APPROVED
2-15-2017
BOARD OF RECREATION
AND PARK COMMISSIONERS

BOARD REPORT NO. 17-037

DATE February 15, 2017 C.D. 10

BOARD OF RECREATION AND PARK COMMISSIONERS

SUBJECT: RANCHO CIENEGA SPORTS COMPLEX (PHASE 1 – PRJ20308) (W.O. #E1907694) BID – FINAL PLANS AND SPECIFICATIONS

AP Diaz		V. Israel	
for R. Barajas	CSD	N. Williams	
H. Fujita			

General Manager

Approved ✓ Disapproved _____ Withdrawn _____

As Amended

RECOMMENDATIONS

1. Approve the final plans and specifications, as documented in the information on file in the Board Office, for the Rancho Cienega Sports Complex Phase I (PRJ20308) (W.O. #E1907694) Project (Project);

2. Approve the reduction in the value of work that the specifications require to be performed by the Prime Contractor from fifty percent (50%) to twenty percent (20%) of the base bid price;

3. Approve the date to be advertised for receipt of bids as April 6, 2017, 3:00 P.M. in the Board Office; and,

4. Approve the solicitation of construction bids by the Department of Recreation and Parks (RAP) through use of the Department of Public Works, Bureau of Engineering (BOE) Pre- Qualified Contractor List.

SUMMARY:

Submitted for the Board's approval are the final plans and specifications for the Rancho Cienega Sports Complex Phase I (PRJ20308) (W.O. #E1907694) project located at 5001 Rodeo Road, Los Angeles, California, 90016. The plans and specifications were prepared by BOE, Architectural Division, in conjunction with the design consultant, Studio Pali Fekete Architects, under the direction of the BOE, Architectural Division.

Park Characteristics:

The Rancho Cienega Park is a 24-acre swath of land utilized by a population of roughly one hundred thousand (100,000) people. The park offers an assortment of amenities that support activities, including basketball, baseball, football, rugby, soccer, tennis, and swimming. Its surrounding catchment area includes a variety of cultural backgrounds: African American - fifty-one percent (51%); American Indian – one percent (1%); Asian American – five percent (5%); Caucasian American – twenty-two percent (22%); Hispanic –seventeen percent (17%); Native Hawaiian/ Pacific Islander - less than one percent (1%); Other – five percent (5%) per 2010 census. People who use the park are primarily from the adjacent or near-by Baldwin Hills, Crenshaw Manor, View Park, Village Green, and Leimert Park neighborhoods.

The park also acts a regional park for the area and is the maintenance collection yard for smaller parks in the area. It also serves as an Emergency Operations Center during catastrophic events. The Jackie Robinson Stadium, located within the park, is also utilized as the home field for the adjacent Dorsey High School football team.

Community Outreach:

The proposed Project was initiated with a community inclusive design competition, to foster a wide variety of ideas from three professional architectural teams. The competition kickoff meeting held on November 21, 2013 provided a platform for community members and stakeholders to relay their concerns to the design teams. Addressing the community and programmatic concerns took precedence at the final community meeting and design presentation which occurred on January 30, 2014.

Three Local Voluntary Oversight Committee (LVNOC) meetings were held to address the requirements of the Proposition K – L.A. for Kids Program (Proposition K) funded line items within the Project scope. A consensus on the scope budget and timeline was reached, and the Project obtained unanimous LVNOC approval on July 9, 2016.

Previously Completed Proposition K Projects:

Over the years, several Proposition K funded projects have been completed at this site. Those completed projects are listed below, with an explanation of whether the proposed Project will impact the completed Proposition K projects. Projects that have been funded by Proposition K are required to be operated and maintained for the useful life of the project and can only be taken out of operation if replaced with an equivalent or better facility that is not funded by Proposition K.

- *Rancho Cienega Child Care Center* (Proposition K Project ID No. C24-1) -- This Project, funded with Proposition K 1st Cycle Competitive funds, was completed and closed out in November of 2003. The childcare center will remain as is. The proposed project will not remove or alter the childcare center.

- *Celes King III Pool Upgrade* (Proposition K Project ID No. C69-2) -- This Project, funded with Proposition K 2nd Cycle Competitive funds, included upgrades to the existing Pool facility, and was completed in October, 2006. The proposed Project scope includes the demolition of the existing pool and construction of a new Celes King III Pool in an alternate location. The new pool will be meet current building and safety code requirements, will be an improvement over the existing pool, and will serve the same or more number of pool users. No Proposition K funds will be used for the new pool.

- *Rancho Cienega Recreation Sports Center Refurbishment* (Proposition K Project ID No. C25-1) -- This Project, funded with Proposition K 1st Cycle Competitive funds, entailed refurbishment of the gym floor and interior infrastructure improvements, and was completed in 2010. The proposed project will demolish the existing 10,800 square foot gym and will replace it with a 24,000-square foot indoor gym. The new gym will meet current building and safety code requirements, RAP's current requirements for a modern gym, and will be an improvement over the existing gym. The new gym will serve the same or more number of users. No additional Proposition K funds will be spent on this portion of the Project.

- *Rancho Cienega Sports Center Outdoor Improvements* (Proposition K Project ID No. S-94) -- This Project was specified in the Proposition K ballot measure, with funds to be used to construct improvements to the athletic fields, bleachers, parking lot, picnic area,and irrigation. The Project was completed in 2011, but some of the allocated funds were not expended. The remaining Proposition K project funds will be utilized for the proposed Sports Complex Project to fund the construction of the parking lot improvements. These additional parking lot improvements are eligible for use of the remaining Proposition K project funds because they do not duplicate improvements that were previously funded with project funds.

Proposed Rancho Cienega Sports Complex

The proposed scope for Phase 1 of the Rancho Cienega Sports Complex Project includes demolition of existing facilities, hazardous materials abatement, grading, pile installation, foundation construction, utility installations, building construction, parking lot grading, and landscape and site improvements. Phase 1 activities would occur in the south central portion of the Project site and include the following elements:

1. Demolition of:
    a. The existing gymnasium
    b. The existing outdoor restroom/staff office/storage building on the Southern portion of the property
    c. Landscape, hardscape and infrastructure to accommodate new design elements

2. Construction of:
    a. New 25,000 square foot (Celes King III) indoor pool and bathhouse facility, including the specified Proposition K Fitness Annex (Proposition K Project ID No. S93).

b. New 24,000-square-foot gymnasium.
c. Two new restrooms & tenant improvements within the existing Tennis Shop.
d. New bleachers, including the specified, Proposition K funded, shade structure, and new security lighting, associated with the Arthur Ashe Tennis Courts (Proposition K Project ID No. C227-8).
e. New bleachers, press box, concession stand and restrooms, and shade structure associated with the existing Jackie Robinson Stadium
f. New site and infrastructure improvements, including the specified, Proposition K funded improvements to the parking lot (Proposition K Project ID No. S94).

The City Engineer's estimate for the project's construction costs is Twenty-Five Million Dollars ($25,000,000.00). Due to the saturated construction market and the subsequent effects on public project competitive bidding, two deductive alternates are included below. These alternates will provide the RAP with the flexibility to deduct portions of the scope of work to meet the funding and allow the successful award of the construction project.

Deductive Alternate No. 1 - Lump Sum price to be subtracted from the Base Bid at the discretion of the Board of Recreation and Park Commissioners (Board) at the time of award for deletion of all work associated with the new bleachers structure, restrooms, and concession building associated with the existing Jackie Robinson Stadium.

Deductive Alternate No. 2 - Lump sum price to be subtracted from the Base Bid at the discretion of the Board at the time of the award for deletion of all work associated with the bleachers and shade structure for the Tennis courts.

Note that if the shade structure is deleted from the tennis court, they will be made a part of the future Phase II construction, in compliance with the Proposition K funding therefore.

This Project is partially funded by the Proposition K. Proposition K has two specified line items which provide partial funding for the Sports Complex, as well as a competitive grant line item. Proposition K will fund the following components of the Phase 1 project scope:

- Rancho Cienega Sports Center (Construct Fitness Annex; Proposition K Project ID No. S93), will partially fund the fitness annex.
- Residual funds from the Rancho Cienega Sports Center specified project (Improvements to athletic fields, bleachers, parking lot, picnic area, irrigation and fencing; Proposition K Project ID No. S94) will partially fund the parking lot, landscape and hardscape improvements.
- Proposition K Competitive Grant funds allocated for Rancho Cienega (Recreation and Parks: Rancho Cienega – 8th Cycle Competitive, security lighting and shade structures for the tennis courts and baseball fields, ID NO. C227-8) will partially fund park security lighting and shade structures for the tennis courts.

The remainder of the project is funded by Capital Improvement Expenditure Program (CIEP), Federal Community Development Block Grant (CDBG), Sites and Facilities, and funds from the

Municipal Improvement Corporation of Los Angeles (MICLA) funds. Funds are available from the following accounts:

FUNDING SOURCE	FUND/DEPT/ ACCT NO
Community Development Block Grant (CDBG), United States Department of Housing and Urban Development (HUD)	424/43/43L505
Proposition K (Sports Complex/Fitness Annex/Lighting)	
Proposition K - K-17 (S93 - PY 17; FY 2013-14)	43K/10/10K213
Proposition K - K-18 (S93 - PY 18; FY 2014-15)	43K/10/10L213
Proposition K - K-18 (S93 - PY 19; FY 2015-16)	43K/10/10MPDB
Proposition K - K-18 Gap Fund (S93 - PY 19; FY 2015-16)	43K/10/10MGGG
Proposition K - K-20 (S93 - PY 20; FY 2016-17)	43K/10/10NPDB
Proposition K - K-18 (S94 - PY 18; FY 2014-15) inflation	43K/10/10LK04
Proposition K - K-17 (8th Cycle) (C227-8 - PY 17; FY 2013-14)	43K/10/10KM20
Proposition K - K-18 (8th Cycle) (C227-8 - PY 18; FY 2014-15)	43K/10/10LM20
Proposition K - K-19 (FY-17-18) (C227-8 - PY 20; FY 2016-17)	43K/10/10NPCE
Proposition K Assessment Gap (FY 16-17)	TBD
Proposition K Recon Report (2015 appropriation)	100/54/00L094
Sites and Facilities (15-16)	209/88/88M211
Sites and Facilities (16-17)	TBD
Municipal Improvement Corporation of Los Angeles (MICLA)	
MICLA (FY 14-15) – (CF-14-0600)	298/88/88LNB1
MICLA (FY 15-16) – (CF-15-0600)	298/50/50LTRC

To ensure the quality of work that meets the construction standards for City pools, all bidders will be required to complete and submit "Pool Contractor's Minimum Qualifications – Experience

with Public Swimming Pools Construction" forms as part of their bids, as instructed in the bid package.

It has been the policy of this Board to require that the prime contractor on construction projects perform a minimum of fifty percent (50%) of the work for the project, as measured by the base bid price. The purpose of the minimum participation level is largely to avoid contractors that serve merely as brokers and would therefore not have significant ability or expertise to keep projects on schedule and properly manage the construction and the work site. However, this project has a great deal of specialty work and therefore, the twenty percent (20%)* minimum participation level may exclude competent general contractors from being able to meet the requirement. It is therefore proposed that the minimum prime participation level be reduced to twenty percent (20%) which should still achieve the goal of avoiding brokers as prime contractors, and at the same time not exclude competent general contractors. This should help attract a broader range of prime contractors, thus creating a more inviting and competitive bidding environment for this project.

*fifty percent (50%)

Pre-Qualified Contractor List

On September 26, 2014, BOE sought the Board of Public Works approval to establish a Pre-Qualified Contractor List (PQCL) to aid in streamlining the bid and award process, which would assist in the award of complicated and time sensitive construction projects. A request for qualifications was issued, with responses due on January 14, 2015. Contractors were selected based on their past performance, public sector experience, history of subcontractor payments, safety record, staff competency, and overall resourcefulness.

The Board of Public Works approved a list of eight (8) Pre-Qualified General Contractors on August 14, 2015. The project management team recommends that RAP use the PQCL due to the complexity and time sensitivity of this Project. If this recommendation is approved, bids for the Project would be solicited only from the eight (8) Pre-Qualified General Contractors (See Attachment).

ENVIRONMENTAL IMPACT STATEMENT

The proposed Project has been previously evaluated and approved in compliance with the California Environmental Quality Act (CEQA). A Final Environmental Impact Report (FEIR) was certified, and a Statement of Overriding Considerations and Mitigation Monitoring and Reporting Plan adopted, on December 14, 2016 (Board Report No. 16-250). A Notice of Determination was filed with the Los Angeles County Clerk on December 15, 2016. The scope of the Project and the environmental setting has not substantially changed since the CEQA approval that would result in additional environmental impacts or an increase in the intensity of the projected impacts to require any new or modified mitigation. Therefore, no additional CEQA documentation is required.

FISCAL IMPACT STATEMENT

The Project will be funded by a combination of the aforementioned funding sources. There is no immediate fiscal impact to RAP's General Fund. However, operations and maintenance costs will be evaluated and included in future RAP budget requests.

The City's Liability under the contract resulting from this bid process shall only extend to the present City appropriation to fund the contract. However, if the City appropriates funds for any succeeding years, the City's liability shall be extended to the extent of such appropriation, subject to the terms and conditions of the contract.

This Report was prepared by Ohaji K. Abdallah, Project Manager, BOE Architectural Division, and reviewed by Neil Drucker, Program Manager, BOE Architectural Division, Mahmood Karimzadeh, Division Manager, BOE Architectural Division; Deborah Weintraub, Chief Deputy City Engineer, BOE; and Cathie Santo Domingo, Superintendent, RAP Planning, Construction and Maintenance Branch.

LIST OF ATTACHMENTS

1) Project Plans and Specifications
2) BOE and Bureau of Contract Administration Joint Board Report No 1, adopted on August 14, 2015, authorizing the Municipal Facilites and Related Projects Pre-Qualfied Contractor List.

BUREAU OF ENGINEERING
DEPARTMENT OF PUBLIC WORKS
CITY OF LOS ANGELES

RANCHO CIENEGA SPORTS COMPLEX

5001 RODEO ROAD, LOS ANGELES, CA 90016

BID SET DOCUMENTS

DECEMBER 23, 2016

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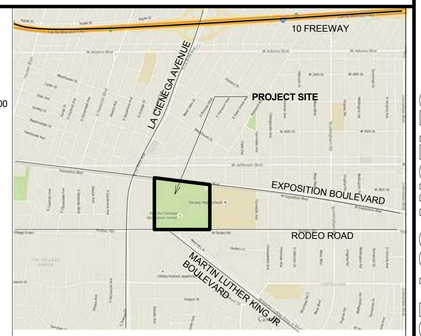

(THOMAS GUIDE PAGE 673, GRID C1,D1)
VICINITY MAP

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NOT TO SCALE

BUREAU OF ENGINEERING
OFFICIAL RECORD

BUREAU OF ENGINEERING
ENGINEERING
CITY OF LOS ANGELES

NO.	REVISIONS:	DATE	BY:

BUILDING NO.

INDEX NO. RP 300094

CITY OF LOS ANGELES
DEPARTMENT OF PUBLIC WORKS

GARY LEE MOORE, PE, ENV SP CITY ENGINEER
ACCEPTED BY:

DEPUTY ENGINEER / PROGRAM MANAGER — DATE
CITY ENGINEER — DATE

VERTICAL CONTROL:
HORIZONTAL CONTROL:

SHEET TITLE: COVER SHEET

PROJECT: RANCHO CIENEGA SPORTS COMPLEX

ADDRESS: 5001 RODEO ROAD
LOS ANGELES, CA 90016

WORK ORDER NO. E1907694

PLAN FILE NO.

DRAWING NO. G-000

SHEET 1 OF SHEETS 442

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REVISION DATES (DESIGN STAGE ONLY)

THE CITY OF LOS ANGELES OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF ELECTRONIC COPIES OF THIS PLAN SHEET.

TEMPLATE SHEET REVISION DATE: 08/2014
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L-5.3	PLANTING PLAN	X
L-5.4	PLANTING PLAN	X
L-5.5	PLANTING PLAN	X
L-5.6	PLANTING PLAN	X
L-5.7	PLANTING PLAN	X
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L-6.4	IRRIGATION PLAN	X
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L-6.6	IRRIGATION PLAN	X
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A-223	ENLARGED PLANS	X
A-224	ENLARGED PLANS	X
A-225	GYM TOILET ENLARGED PLANS AND ELEVATIONS	X
A-226	POOL TOILET ENLARGED PLANS AND ELEVATIONS	X
A-227	STADIUM TOILET ENLARGED PLANS AND ELEVATIONS	X
A-228	VISITING AND PRO SHOP TOILET ENALRGED PLANS AND ELEVATIONS	X
A-300	PEMB SCOPE DIAGRAM	X
A-301	NORTH, SOUTH ELEVATIONS - GYMNASIUM	X
A-302	EAST, WEST ELEVATIONS - GYMNASIUM	X
A-303	NORTH, SOUTH ELEVATIONS - POOL	X
A-304	EAST, WEST ELEVATIONS - POOL	X
A-305	ELEVATIONS - STADIUM OVERLOOK	X
A-306	ELEVATIONS - TENNIS GRANDSTAND	X
A-310	LONGITUDINAL SECTIONS - POOL	X
A-311	LONGITUDINAL SECTIONS - GYM	X
A-312	CROSS SECTIONS THRU GYM	X
A-313	CROSS SECTION THRU POOL	X
A-314	SECTIONS - STADIUM OVERLOOK	X
A-315	SECTIONS - TENNIS GRANDSTAND	X
A-411	WALL SECTIONS - GYM	X
A-412	WALL SECTIONS - GYM	X
A-413	WALL SECTIONS - GYM	X
A-414	WALL SECTIONS - GYM	X
A-415	WALL SECTIONS - POOL	X
A-416	WALL SECTIONS - POOL	X
A-417	WALL SECTIONS - POOL	X
A-418	WALL SECTIONS - POOL	X
A-419	WALL SECTIONS - FRAME	X
A-420	WALL SECTIONS - FRAME	X
A-421	WALL SECTION - STADIUM	X
A-501	PARTITION TYPES	X
A-502	EXTERIOR DETAILS	X
A-503	EXTERIOR DETAILS	X
A-504	EXTERIOR DETAILS	X
A-505	INTERIOR DETAILS	X
A-506	INTERIOR DETAILS	X
A-507	WINDOW DETAILS	X
A-508	ACCESSIBLE PARKING DETAILS	X
A-510	EXTERIOR DOOR DETAILS	X
A-512	STOREFRONT DETAILS	X
A-513	STOREFRONT DETAILS	X
A-520	WATERPROOFING DETAILS	X
A-601	STADIUM STAIR S1 PLANS AND SECTION	X
A-602	STADIUM STAIR S2 PLANS AND SECTION	X
A-603	STADIUM DETAILS	X
A-605	EXTERIOR STAIR G1 AND G2	X
A-606	ELEVATOR PLANS	X
A-607	ELEVATOR DETAILS	X
A-608	ELEVATOR CABINET AND CONTROL DETAILS	X
A-700	INTERIOR ELEVATIONS	X
A-701	INTERIOR ELEVATIONS	X
A-702	INTERIOR ELEVATIONS	X
A-703	INTERIOR ELEVATIONS	X
A-704	INTERIOR ELEVATIONS	X
A-705	INTERIOR ELEVATIONS	X
A-706	INTERIOR ELEVATIONS	X
A-707	INTERIOR ELEVATIONS	X
A-708	INTERIOR ELEVATIONS	X
A-709	INTERIOR ELEVATIONS	X
A-710	INTERIOR ELEVATIONS	X
A-711	INTERIOR ELEVATIONS	X
A-712	INTERIOR ELEVATIONS	X
A-801	DETAILS - BAG CHECK	X
A-802	DETAILS - LOCKER ROOM	X
A-803	DETAILS - GYM CHECK IN	X
A-805	POOL CHECK-IN DETAILS	X
A-810	DOOR DETAILS	X
A-901	FINISH SCHEDULE - GYMNASIUM AND POOL	X
A-902	FINISH SCHEDULE - STADIUM AND TENNIS	X
A-910	DOOR SCHEDULE - GYMNASIUM AND POOL	X
A-911	DOOR SCHEDULE - STADIUM	X
A-920	WINDOW SCHEDULE	X
A-924	WATERPROOFING DETAILS	X
A-925	STOREFRONT ELEVATIONS	X
A-926	STOREFRONT ELEVATIONS	X
STRUCTURAL		
S-001	SYMBOLS, ABREVIATIONS AND SHEET LIST	X
S-002	GENERAL NOTES	X
S-003	GENERAL NOTES	X
S-004	LADBS SOAP	X
S-005	LADBS SOAP	X
S-006	LADBS SOAP	X
S-101	GYMNASIUM FOUNDATION PLAN	X
S-102	SWIMMING POOL FOUNDATION PLAN	X
S-103	STADIUM CONCESSIONS AND TENNIS GRANDSTAND FOUNDATION PLAN	X
S-104	BATHROOM & BRIDGE FOUNDATION PLAN	X
S-105	FOUNDATION SECTIONS- LONGITUDINAL	X
S-106	FOUNDATION SECTIONS - GYM	X
S-107	FOUNDATION SECTIONS - POOL	X
S-108	FOUNDATION SECTIONS - POOL II	X
S-109	FOUNDATION SECTIONS - STADIUM CONCESSIONS AND TENNIS GRANDSTAND	X
S-110	FOUNDATION DETAILED SECTION	X
S-200	OVERALL PLANS	X
S-201	FIRST FLOOR PLAN GYMNASIUM	X
S-201A	SECTIONS - LONGITUDINAL	X
S-202	MEZZANINE FRAMING PLAN - GYMNASIUM	X
S-203	ROOF FRAMING PLAN - GYMNASIUM	X
S-203A	SECTIONS - POOL	X
S-204	FIRST FLOOR PLAN - POOL	X
S-204A	SECTIONS - STADIUM CONCESSIONS AND TENNIS GRANDSTAND	X
S-205	MEZZANINE FRAMING PLAN - POOL	X
S-205A	MECHANICAL MEZZANINE & BRIDGE FRAMING PLAN	X
S-206	ROOF FRAMING PLAN - POOL	X
S-207	FIRST FLOOR AND ROOF FRAMING PLAN - STADIUM CONCESSIONS	X
S-208	MEZZANINE AND ROOF FRAMING PLAN - STADIUM OVERLOOK	X
S-209	FIRST FLOOR AND ROOF FRAMING PLAN - TENNIS GRANDSTAND	X
S-210	BATHROOM AND TENNIS PRO SHOP PLANS	X
S-300	3D MODEL	X
S-301	AXONOMETRIC	X
S-302	BRACE FRAME ELEVATIONS	X
S-303	WALL ELEVATIONS	X
S-304	WALL ELEVATIONS	X
S-305	WALL ELEVATIONS	X
S-306	WALL ELEVATIONS	X
S-307	WALL ELEVATIONS	X
S-310	PRE-MANUFACTURED METAL BUILDING CRITERIA	X
S-400	STEEL COLUMN SCHEDULE	X
S-500	WOOD DETAILS	X
S-501	WOOD DETAILS	X
S-600	FOUNDATION DETAILS	X
S-601	FOUNDATION DETAILS	X
S-610	FOUNDATION DETAILS	X
S-611	FOUNDATION DETAILS	X
S-612	FOUNDATION DETAILS	X
S-620	CONCRETE DETAILS	X
S-621	CONCRETE DETAILS	X
S-630	MASONRY DETAILS	X
S-631	MASONRY DETAILS	X
S-632	MASONRY DETAILS	X
S-700	METAL DECK DETAILS	X
S-710	STEEL DETAILS	X
S-711	STEEL DETAILS	X
S-712	STEEL BRACED FRAME DETAILS	X
S-800	WOOD DETAILS	X
S-801	WOOD DETAILS	X
S-802	WOOD DETAILS	X
POOL		
SP-1	SWIMMING POOL LAYOUT PLAN	X
SP-2	SWIMMING POOL PIPING PLAN	X
SP-3	SWIMMING POOL UNDERWATER LIGHT/TIMING SYSTEM PLAN	X
SP-4	SWIMMING POOL SECTIONS	X
SP-5	DETAILS	X
SP-6	DETAILS	X
SP-7	DETAILS	X
SP-8	DETAILS	X
SP-9	DETAILS	X
SP-10	DETAILS	X
SP-11	DETAILS	X
SP-12	DETAILS	X
SP-13	DETAILS	X
SP-14	DETAILS	X
SP-15	DETAILS	X
MR-1	MECHANICAL ROOM LAYOUT PLAN	X
MR-3	DETAILS	X
MR-4	DETAILS	X
MR-5	DETAILS	X
MR-6	DETAILS	X
MR-7	DETAILS	X
MR-8	DETAILS	X
MECHANICAL		
M-0.00	MECHANICAL NOTES, SYMBOLS, AND ABBREVIATIONS	X
M-0.01	MECHANICAL SCHEDULES	X
M-1.00	MECHANICAL SITE PLAN	X
M-2.01	GYMNASIUM & ANCILLARY BUILDINGS HVAC GROUND FLOOR PLAN	X
M-2.02	GYMNASIUM & ANCILLARY BUILDINGS HVAC MEZZANINE PLAN	X
M-2.03	GYMNASIUM & ANCILLARY BUILDINGS HVAC ROOF PLAN	X
M-2.04	POOL BUILDING & TENNIS BUILDING HVAC GROUND PLAN	X
M-2.05	POOL BUILDING & TENNIS BUILDING HVAC MEZZANINE PLAN	X
M-2.06	POOL BUILDING & TENNIS BUILDING HVAC ROOF PLAN	X
M-3.01	GYMNASIUM & ANCILLARY BUILDINGS PIPING GROUND FLOOR PLAN	X
M-3.02	GYMNASIUM & ANCILLARY BUILDINGS PIPING MEZZANINE PLAN	X
M-3.03	GYMNASIUM & ANCILLARY BUILDINGS PIPING ROOF PLAN	X
M-3.04	POOL BUILDING & TENNIS BUILDING PIPING GROUND FLOOR PLAN	X
M-3.05	POOL BUILDING & TENNIS BUILDING PIPING MEZZANINE FLOOR PLAN	X
M-3.06	POOL BUILDING & TENNIS BUILDING PIPING ROOF PLAN	X
M-3.07	STADIUM BUILDING PIPING PLAN	X
M-5.01	MECHANICAL DETAILS	X
M-5.02	MECHANICAL DETAILS	X
M-5.03	MECHANICAL DETAILS	X
M-7.01	POOL BUILDING HVAC RISER DIAGRAM	X
M-7.02	POOL BUILDING VRF RISER DIAGRAM	X
M-7.03	GYMNASIUM & ANCILLARY BUILDINGS HVAC RISER DIAGRAM	X
M-7.04	GYMNASIUM & ANCILLARY BUILDINGS VRF RISER DIAGRAM	X
PLUMBING		
P0.00	PLUMBING SCHEDULES	X
P-0.01	PLUMBING GENERAL NOTES & SCHEDULES	X
P-1.00	PLUMBING SITE PLAN	X
P-1.01	GYMNASIUM & ANCILLARY BUILDING PLUMBING SERVICES GROUND FLOOR PLAN	X
P-1.02	POOL BUILDING & TENNIS BUILDING PLUMBING SERVICES GROUND FLOOR PLAN	X
P-1.03	POOL BUILDING & TENNIS BUILDING PLUMBING SERVICES MEZZANINE PLAN	X
P-1.04	STADIUM BUILDING PLUMBING SERVICES	X
P-2.01	GYMNASIUM & ANCILLARY BUILDINGS PLUMBING SANITARY GROUND FLOOR PLAN	X
P-2.02	POOL BUILDING & TENNIS BUILDING PLUMBING SANITARY GROUND FLOOR PLAN	X
P-2.02A	GYMNASIUM & ANCILLARY BUILDINGS PLUMBING SANITARY ROOF PLAN	X
P-2.03	POOL BUILDING AND TENNIS BUILDING PLUMBING SANITARY MEZZANINE PLAN	X
P-2.04	STADIUM BUILDING SANITARY	X
P-2.06	POOL BUILDING & TENNIS BUILDING PLUMBING SANITARY ROOF PLAN	X
P-4.00	PLUMBING ENLARGED PLAN	X
P-4.01	PLUMBING ENLARGED PLAN	X
P-5.01	PLUMBING DETAILS	X
P-5.02	PLUMBING DETAILS	X
P-7.01	PLUMBING WASTE & VENT RISER DIAGRAM	X
P-7.02	PLUMBING WASTE & VENT RISER DIAGRAM	X
P-7.03	PLUMBING WASTE & VENT RISER DIAGRAM	X
P-7.04	PLUMBING WASTE & VENT RISER DIAGRAM	X
P-7.05	PLUMBING WASTE & VENT RISER DIAGRAM	X
P-7.06	PLUMBING WASTE & VENT RISER DIAGRAM	X
P-7.07	PLUMBING CW, RW, HW, & HWR RISER DIAGRAM	X
P-7.08	PLUMBING CW, RW, HW, & HWR RISER DIAGRAM	X
P-7.09	PLUMBING CW, RW, HW, & HWR RISER DIAGRAM	X
P-7.10	PLUMBING CW, RW, HW, & HWR RISER DIAGRAM	X
P-7.11	PLUMBING STORM RISER DIAGRAM	X
ELECTRICAL		
E-1	ELECTRICAL LEGEND, LIGHTING FIXTURE SCHEDULE	X
E-2	TITLE 24 CALCULATIONS - OUTDOOR	X
E-3	TITLE 24 CALCULATIONS - OUTDOOR	X
E-4	INDOOR T-24 - STADIUM OVERLOOK	X
E-5	INDOOR T-24 - STADIUM	X
E-6	INDOOR T-24 - POWER	X
E-7	INDOOR T-24 - GYMNASIUM	X
E-8	INDOOR T-24 - GYMNASIUM	X
E-9	INDOOR T-24 - POOL ELECTRICAL POWER DISTRIBUTION	X
E-10	INDOOR T-24 - POOL FACILITY	X
E-11	INDOOR T-24 - POOL FACILITY	X
E-12	INDOOR T-24 - POOL ELECTRICAL POWER DISTRIBUTION	X
E-13	INDOOR T-24 - TENNIS GRANDSTAND	X
E-14	INDOOR T-24 - TENNIS SHOP	X
E-16	ELECTRICAL SITE PLAN	X
E-17	ELECTRICAL SITE PLAN	X
E-18	MAIN SINGLE LINE DIAGRAM	X
E-19	EMERGENCY SINGLE LINE DIAGRAM	X
E-20	ELECTRICAL ELEVATIONS	X
E-21	ELECTRICAL DETAILS	X
E-23	PANEL SCHEDULE	X
E-24	PANEL SCHEDULE 480 VOLT	X
E-25	SINGLE LINE DIAGRAM GYM BUILDING	X
E-26	ENLARGED MAIN ELECTRICAL ROOM #G107 GYMNASIUM	X
E-27	GROUND LEVEL GYM BLDG LIGHTING PLAN	X
E-28	GROUND LEVEL & GYM BLDG LIGHTING PLAN	X
E-29	GYMNASIUM MEZZANINE LEVEL LIGHTING	X
E-30	GYMNASIUM INDOOR WALKING TRACK MEZZANINE LEVEL LIGHTING	X
E-31	GYMNASIUM MEZZANINE LEVEL LIGHITNG	X
E-32	GYM BUILDING ROOF - POWER	X
E-33	GROUND LEVEL GYM BLDG - PHOTOMETRICS	X
E-34	GROUND LEVEL GYM BLDG - PHOTOMETRICS	X
E-34A	GYMNASIUM INDOOR WALKING TRACK MEZZ LEVEL LIGHTING	X
E-35	GYMNASIUM MEZZANINE LEVEL PHOTOMETRICS	X
E-39	POOL BUILDING SINGLE LINE DIAGRAM AND ELEVATIONS	X
E-40	ENLARGED GROUND GYM-POOL ELECTRICAL POWER	X
E-41	GROUND LEVEL & GYM BLDG LIGHTING PLAN	X
E-42	GROUND LEVEL & GYM BLDG POWER PLAN	X
E-43	MEZZANINE LEVEL TENNIS GRANSTAND LIGHTING	X
E-44	MEZZANINE LEVEL TENNIS GRANDSTAND LIGHTING	X
E-45	POOL BUILDING ROOF POWER	X
E-46	GROUND LEVEL & GYM BLDG LIGHTING PLAN	X
E-47	GROUND LEVEL AND GYM BLDG LIGHTING PLAN	X
E-48	MEZZANINE LEVEL TENNIS GRANDSTAND LIGHTING	X
E-52	STADIUM GROUND LEVEL LIGHITNG AND POWER PLANS	X
E-53	STADIUM OVERLOOK LEVEL LIGHTING POWER AND ROOF PLANS	X
E-54	STADIUM GROUND AND OVERLOOK LEVELS PHOTOMETRICS	X
SECURITY		
SD000	SECURITY LEGEND	X
SD400	SECURITY DOOR DETAILS	X
SD410	SECURITY CAMERA DETAILS	X
SD-100	SITE SECURITY PLAN	X
SD-201	GROUND FLOOR SECURITY PLAN - GYMNASIUM	X
SD-202	MEZZANINE FLOOR SECURITY PLAN - GYMNASIUM	X
SD-203	GROUND FLOOR SECURITY PLAN - POOL	X
SD-204	MEZZANINE FLOOR SECURITY PLAN - POOL	X
SD-205	GROUND LEVEL SECURITY PLAN - STADIUM CONCESSIONS	X
SD-206	MEZZANINE FLOOR PLAN - TENNIS GRAND STAND AND STADIUM OVERLOOK	X
SIGNAGE		
SG-101	TABLE OF CONTENTS	X
SG-102	TYPE AND COLOR	X
SG-103	SIGN SUMMARY	X
SG-104	SIGN LOCATION PLAN, GROUND FLOOR PLAN - GYMNASIUM	X
SG-105	SIGN LOCATION PLAN, MEZZANINE FLOOR PLAN - GYMNASIUM	X
SG-106	SIGN LOCATION PLAN, FIRST FLOOR PLAN - POOL	X
SG-107	SIGN LOCATION PLAN, MEZZANINE FLOOR PLAN - POOL	X
SG-108	SIGN LOCATION PLAN, GROUND FLOOR PLAN & ROOF PLAN - STADIUM CONCESSIONS	X
SG-109	SIGN LOCATION PLAN, OVERLOOK FLOOR & ROOF PLAN - STADIUM OVERLOOK	X
SG-110	SIGN LOCATION PLAN, GROUND & MEZZANINE PLAN - TENNIS GRANDSTAND	X
SG-111	SIGN SCHEDULE, GYMNASIUM	X
SG-112	SIGN SCHEDULE, POOL	X
SG-113	SIGN SCHEDULE, STADIUM	X
SG-114	SIGN SCHEDULE, TENNIS	X
SG-115	ELEVATOR DIRECTORY, RESTROOM ID	X
SG-116	RESTROOM ID (TITLE 24), RESTROOM ID (TITLE 24)	X
SG-117	ROOM ID, MAXIMUM OCCUPANCY	X
SG-118	STAIR ID, STAIRWELL ID	X
SG-119	EXIT ROUTE ID, ACCESSIBILITY ENTRY SIGN	X
SG-120	NO SMOKING SIGN	X

BUREAU OF ENGINEERING
OFFICIAL RECORD

BUREAU OF ENGINEERING
ENGINEERING
CITY OF LOS ANGELES

NO.	REVISIONS:	DATE:	BY:

BUILDING NO.

INDEX NO. RP 300094

LEANDER ARMES JOHAN EVANS
C-19741
5/31/2017
DATE
STATE OF CALIFORNIA

BID SET SUBMITTAL

CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS BUREAU OF ENGINEERING

GARY LEE MOORE, PE, ENV SP CITY ENGINEER
DATE:

ARCHITECT: ZOLTAN E. PALI, FAIA
ARCHITECTURAL DIVISION
LIC. NO. C-19741

DESIGNED BY: ZEP
DRAWN BY: AOS
CHECKED BY: SM
APPROVED BY: MAHMOOD KARIMZADEH, A.I.A., PRINCIPAL ARCHITECT

VERTICAL CONTROL:
HORIZONTAL CONTROL:

SHEET TITLE: SHEET INDEX

PROJECT: RANCHO CIENEGA SPORTS COMPLEX

ADDRESS: 5001 RODEO ROAD
LOS ANGELES, CA 90016

WORK ORDER NO.
E1907694

PLAN FILE NO.

DRAWING NO.
G-001

SHEET OF SHEETS

PLOTTED: 12/22/2016 4:42:32 PM

THE CITY OF LOS ANGELES OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF ELECTRONIC COPIES OF THIS PLAN SHEET.

REVISION DATES: (DESIGN STAGE ONLY)

TEMPLATE SHEET REVISION DATE: 08/2014
REVISION DATE: 10/24/2016 5:30 PM FILE: Z:\14-018 RANCHO CIENEGA SPORTS COMPLEX\DRAWINGS\REVIT\LINKS AUTOCAD\BOE_TITLEBLOCK_CD_90PERCENT.DWG

PROJECT SUMMARY

DESCRIPTION:
CITY OF LOS ANGELES DEPARTMENT OF RECREATION AND PARKS REGIONAL PARK RANCHO CIENEGA RECREATION CENTER. EXISTING ATHLETIC FIELDS, TRACK STADIUM, TENNIS COURTS, DAY CARE CENTER TO REMAIN.

NEW INDOOR POOL AND GYMNASIUM TO REPLACE EXISTING. NEW TRACK STADIUM AND TENNIS COURT OVERLOOKS. NEW LANDSCAPING AND SITE FURNITURE FOR PARK GROUNDS.

ADDRESS:
5001 RODEO ROAD
LOS ANGELES, CA 90016

LEGAL DESCRIPTION:
RANCHO CIENEGA OPASO DE LA TIJERA 28.97 MORE OR LESS ACS ON S LINE OF S P R R R/W COM W THEREON 989.21 FT FROM W LINE OF FARMDALE AVE TH W ON SD S LINE... 937.18 FT TO BEG

APN: 5046013900

ZONING DESCRIPTION:
ZONE: OX-1XL (HEIGHT LIMIT 30'-0")
MID CITY RECOVERY REDEVELOPMENT PROJECT AREA
MTA PROJECT AREA
LOS ANGELES STATE ENTERPRISE ZONE

LOT AREA:
1,261,854 SF (29 ACRES)

OCCUPANCY CLASSIFICATION:
STADIUM OVER LOOK: A-5, B (CONCESSIONS)
ASSEMBLY USES INTENDED FOR PARTICIPATION IN OR VIEWING OUTDOOR ACTIVITIES

INDOOR POOL BUILDING: A-4
ASSEMBLY USE INTENDED FOR VIEWING OF INDOOR SPORTING EVENTS AND ACTIVITIES WITH SPECTATOR SEATING

INDOOR GYMNASIUM BUILDING: A-4
ASSEMBLY USE INTENDED FOR VIEWING OF INDOOR SPORTING EVENTS AND ACTIVITIS WITH SPECTATOR SEATING

TENNIS GRAND STAND: A-5, B (TENNIS PRO-SHOP)
ASSEMBLY USES INTENDED FOR PARTICIPATION IN OR VIEWING OUTDOOR ACTIVITIES

ZONING ANALYSIS

RECREATION AND PARK USE, COMPATIBLE WITH THE OPEN SPACE (OS) ZONE
(LOS ANGELES MUNICIPAL CODE CHAPTER 1 ARTICLE 2 SEC. 12.04.05.)
(LOS ANGELES MUNICIPAL CODE CHAPTER 1 ARTICLE 2 SEC. 12.24.U.19.a)

BASEBALL FIELDS	(EXISTING TO REMAIN)
SOCCER FIELDS	(EXISTING TO REMAIN)
SKATE PARK	(EXISTING TO REMAIN)
BASKETBALL COURTS	(EXISTING TO REMAIN)
TRACK STADIUM	(EXISTING TO REMAIN)
CHILDCARE CENTER	(EXISTING TO REMAIN)
TENNIS COURTS	(EXSITING TO REMAIN)
INDOOR POOL	(REPLACE EXISTING)
INDOOR GYMNASIUM	(REPLACE EXISTING)
TENNIS GRANDSTAND	(REPLACE EXISTING)
TENNIS PRO SHOP	(REPLACE EXISTING)
STADIUM PRESS BOX	(REPLACE EXISTING)
STADIUM CONCESSIONS	(REPLACE EXISTING)

ORDINANCE NO. 166168 JULY 2, 1990
APPROVES THE USE OF APPROPRIATE STRUCTURES ON DEPARTMENT OF RECREATION AND PARKS PROPERTIES WITHIN AN OZ ZONE

REPORT OF GENERAL MANAGER NO. 557-94
BOARD OF RECREATION AND PARK COMMISSIONERS
OPEN SPACE ZONE - RECREATION AND PARKS PROPERTY
AMENDS THE APPROVED LIST OF FACILITIES AND BUILDINGS TO BE PLACED ON DEPARTMENT OF RECREATION AND PARKS PROPERTIES WITHIN AN OS ZONE

APPLICABLE CODES

2013	CALIFORNIA BUILDING CODE*
2013	CALIFORNIA GREEN BUILDING CODE*
2013	CALIFORNIA ELECTRICAL CODE*
2013	CALIFORNIA MECHANICAL CODE*
2013	CALIFORNIA PLUMBING CODE*
2000	PLANNING AND ZONING CODE (CHAPTER 1 LOS ANGELES MUNICIPAL CODE)
--	CITY OF LOS ANGELES ELEVATOR CODE (CHAPTER 9, ARTICLE 2 LOS ANGELES MUNICIPAL CODE)

* *WITH LA CITY AMENDMENTS*

OCCUPANCY SUMMARY

OCCUPANCY IN THIS SUMMARY IS GENERALIZED. SEE FIRE/LIFE SAFETY DRAWINGS FOR SPECIFIC OCCUPANCY TYPES AND CALCULATIONS. AREAS ARE CALCULATED TO THE INTERIOR OF EXTERIOR WALLS EXCLUSIVE OF SHAFTS. ALL INTERIOR WALLS AND PARTITIONS ARE INCLUDED IN THE FOLLOWING CALCULATIONS

SEE SHEETS A-001 - A005 FOR CALCULATIONS CHARTS

STADIUM OVERLOOK

LEVEL	AREA	USE	OCCUPANCY
GROUND	778	B	10
UPPER*	2534	A/B	121
		131	**TOTAL**

INDOOR POOL BUILDING

LEVEL	AREA	USE	OCCUPANCY
GROUND*	17867	A/B	782
MEZZANINE**	3603	A/B	290
		1072	**TOTAL**

INDOOR GYMASIUM BUILDING

LEVEL	AREA	USE	OCCUPANCY
GROUND*	14731	A	514
MEZZANINE**	3951	A/B/E	85
		599	**TOTAL**

TENNIS GRANDSTAND

LEVEL	AREA	USE	OCCUPANCY
GROUND*	0	A	440
		440	**TOTAL**

*OCCUPANCY INCLUDES CALCULATION BY SEAT (1004.4 FIXED SEATING) (TABLE 1004.1.2 MAXIMUM FLOOR AREA ALLOWANCE PER OCCUPANT)
**MEZZANINE SQUARE FOOTAGE EXCEPT FOR BUILDING CODE ANALYSIS PER 505.2.3

CODE ANALYSIS

BUILDING AREA CALCULATION GENERAL NOTES:

PER BUILDING AREA CALCUATIONS, MEZZANINE LEVEL IS EXCEPT PER 505.2.3 OPENNESS EXCEPTIONS 2; MEZZANINE HAVING TWO OR MORE MEANS OF EGRESS IS NOT REQUIRED TO BE OPEN TO THE ROOM IN WHICH THE MEZZANINE IS LOCATED IF AT LEAST ONE OF THE MEANS OF EGRESS PROVIDES DIRECT ACCESS TO AN EXIT FROM THE MEZZANINE LEVEL.

BUILDING AREA INCLUDED WITHIN SURROUNDING EXTERIOR WALLS EXCLUSIVE OF VENT SHAFTS AND COURTS.

INDOOR GYMNASIUM AND INDOOR POOL BUILDING

OCCUPANCY: A-3 / A-4
ASSEMBLY USE INTENDED FOR VIEWING OF INDOOR SPORTING EVENTS AND ACTIVITIES WITH SPECTATOR SEATING

GYMNASIUM BUILDING CODE FLOOR AREA: 16,578 SF
POOL BUILDING CODE FLOOR AREA: 20,762 SF

TOTAL BUILDING CODE FLOOR AREA: 37,340 SF

MEZZANINE FLOOR AREA (EXCEPT PER 505.2.3)

GYM MEZZANINE FLOOR AREA: 3951 SF
POOL MEZZANINE FLOOR AREA: 3603 SF

CONSTRUCTION TYPE (TABLE 503): III-B
ALLOWABLE BUILDING HEIGHT AND AREAS FOR TYPE III-B: 2 STORIES 9500 SF

BUILDING AREA MODIFICATION (506.1 EQUATION 5-1):

Aa = { At + [At × If] + [At × Is]}
Aa = { 9500 + [9500 x 0.464] + [9500 x 3]
Aa = [9500 + 4841+ 28500}
Aa = 42370 SF

FRONTAGE INCREASE (506.2):
If = [F/P - 0.25]W/30
If = [660 ft/924 ft - 0.25]30/30
If = 0.464

AUTOMATIC SPRINKLER SYSTEM INCREASE (506.3):
Is = 3 [ONE STORY]

CONSTRUCTION REQUIREMENTS FOR TYPE III-B (TABLE 601):

PRIMARY STRUCTURAL FRAME	-	0
BEARING WALLS, EXTERIOR*	-	2 HR
BEARING WALLS, INTERIOR	-	0
NON-BEARING WALLS, EXTERIOR	-	-
NON-BEARING WALLS, INTERIOR	-	0
FLOOR CONSTRUCTION	-	0
ROOF CONSTRUCTION	-	0

EXTERIOR WALLS ARE OF NONCOMBUSTIBLE MATERIALS AND THE INTERIOR BUILDING ELEMENTS ARE OF ANY MATERIAL PERMITTED BY CODE.

ALL STRUCTURAL WOOD STUDS TO FIRE RETARDENT TREATED WOOD (FRTW).

* Not less than the fire-resistance rating based on fire separation distance (Table 602)
FIRE SEPARATION DISTANCE (Chapter2, Definitions)
3. To an imaginary line between two buildings on the property

FIRE-RESISTANCE RATING REQUIREMENTS FOR EXTERIOR WALLS BASED ON FIRE SEPARATION DISTANCE: (TABLE 602)

FIRE SEPARATION DISTANCE	15'-0"*
TYPE OF CONSTRUCTION	III-B
OCCUPANCY GROUP	A-3, A-4
FIRE-RESISTANCE RATING	2-HR

* From imaginary line between proposed Indoor Gymnasium Building and Stadium Building

TENNIS GRANDSTAND

OCCUPANCY: A-5
ASSEMBLY USES INTENDED FOR PARTICIPATION IN OR VIEWING OUTDOOR ACTIVITIES

BUILDING AREA: 2705 SF

CONSTRUCTION TYPE (TABLE 503): V-B
ALLOWABLE BUILDING HEIGHT AND AREAS FOR TYPE V-B: UL

UNLIMITED AREA PER TABLE 503 - OCCUPANCY GROUP A-5

CONSTRUCTION REQUIREMENTS FOR TYPE V-B (TABLE 601):

PRIMARY STRUCTURAL FRAME	-	0
BEARING WALLS, EXTERIOR	-	0
BEARING WALLS, INTERIOR	-	0
NON-BEARING WALLS, EXTERIOR	-	-
NON-BEARING WALLS, INTERIOR	-	0
FLOOR CONSTRUCTION	-	0
ROOF CONSTRUCTION	-	0

STRUCTURAL ELEMENTS, EXTERIOR WALLS AND INTERIOR WALLS ARE OF ANY MATERIAL PERMITTED BY CODE.

STADIUM OVERLOOK

OCCUPANCY: A-5, B (CONCESSION)
ASSEMBLY USES INTENDED FOR PARTICIPATION IN OR VIEWING OUTDOOR ACTIVITIES

BUILDING AREA: 3874 SF

CONSTRUCTION TYPE (TABLE 503): V-B
ALLOWABLE BUILDING HEIGHT AND AREAS FOR TYPE V-B: UL

UNLIMITED AREA PER TABLE 503 - OCCUPANCY GROUP A-5

UNLIMITED AREA PER 507.4 - OCCUPANCY GROUP B - GROUP B - BUILDING NO MORE THAT TWO STORIES ABOVE GRADE PLANE SHALL NOT BE LIMITED WHERE THE BUILDING IS EQUIPPED THROUGHOUT WITH AN AUTOMATIC SPRINKLER SYSTEM PER SECTION 903.3.1.1

CONSTRUCTION REQUIREMENTS FOR TYPE V-B (TABLE 601):

PRIMARY STRUCTURAL FRAME	-	0
BEARING WALLS, EXTERIOR	-	0
BEARING WALLS, INTERIOR	-	0
NON-BEARING WALLS, EXTERIOR	-	-
NON-BEARING WALLS, INTERIOR	-	0
FLOOR CONSTRUCTION	-	0
ROOF CONSTRUCTION	-	0

STRUCTURAL ELEMENTS, EXTERIOR WALLS AND INTERIOR WALLS ARE OF ANY MATERIAL PERMITTED BY CODE.

DEFERRED SUBMITTALS

THE FOLLOWING ITEMS SHALL BE SUBMITTED AND PERMITTED SEPARATELY AND ARE INCLUDED WITHIN THE CONTRACT DOCUMENTS.

1. PRE-MANUFACTURED BUILDING SYSTEM
2. FREESTANDING BLEACHERS

PARKING SUMMARY

EXISTING PARKING COUNT

NO.	USE.	RATIO	S.F.	REQUIRED
1.	CHILDCARE	1 : 500	6020	12
2.	TENNIS PRO SHOP	1 : 500	960	2
3.	MAINTENANCE ROOM	1 : 500	900	2
4.	GYMNASIUM	1 : 100	10833	108
5.	POOL	1 : 500	13200	26
				TOTAL REQD. 150

PROPOSED PARKING COUNT

NO.	USE.	RATIO	S.F.	REQUIRED	
1.	CHILDCARE	1 : 500	6020	12	
2.	TENNIS PRO SHOP	1 : 500	960	2	
3.	MAINTENANCE ROOM	1 : 500	900	2	
4.	GYMNASIUM	1 : 100	18880	189	
5.	POOL	1 : 100	22413	224	
				TOTAL REQUIRED 429	TOTAL PROVIDED 561*

*136 BICYCLE PARKING (EACH FULL PARKING STALL IS EQUAL TO 4 BICYCLE PARKING) IS ADDED ONTO TOTAL COUNT TO INCREASE COMBINED TOTAL OF PARKING SPACE TO 561.

*(136 BICYCLE PARKING) / 4 = 34 STALLS.
515 STALLS PROVIDED + 34 ADD. STALLS = 549 STALLS TOTAL

BICYCLE PARKING PER TABLE 12.21 A.16(a)(2)

NO.	USE.	RATIO	RATIO	S.F.	SHORT TERM	LONG TERM
1.	GYMNASIUM	1 : 500	1 : 10,000	18880	38	2
2.	POOL	1 : 500	1 : 10,000	22413	45	3
3.	STADIUM SEATING	1 PER 5	1 : 10,000	118 OCC.	24	2
4.	TENNIS BLEACHERS	1 PER 35	1 : 10,000	332 OCC.	10	2
					TOTAL REQUIRED 117	TOTAL REQUIRED 9
			PROVIDED		136*	0

PARKING COUNT PER DRAWINGS

LOT	STANDARD	COMPACT	ACCESSIBILITY	EVSE + ACCESS	EVSE	TOTAL
RODEO	140	5	5	1	21	172
EXPO	68	0	4	1	8	81
NORTH	102	0	0	0	0	102
OVERFLOW	84	0	0	0	0	84
WEST	24	52	0	0	0	76
TOTAL	418	57	9	2	29	515

EXISTING CHILD CARE CENTER (NOT IN SCOPE) - PROVIDED FOR REFERENCE ONLY

OCCUPANCY: E-3, B
BUILDING AREA: 6,020 SF

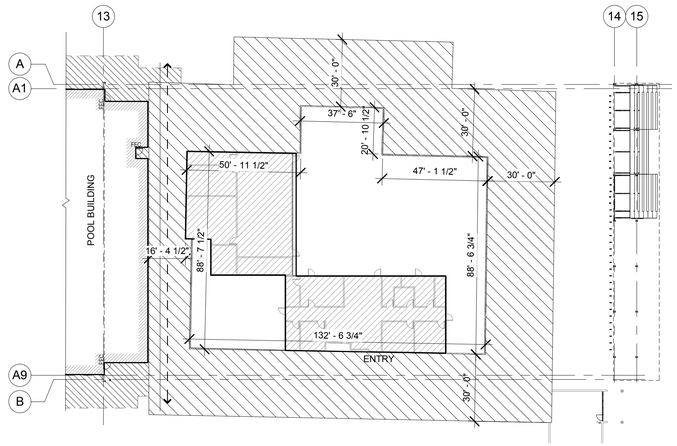
CONSTRUCTION TYPE (TABLE 503): V-N
PERMIT #: 01010-10000-03061
BUILDING SIZE: 135' X 112' (OVERALL IRREGULAR SHAPE)

BUILDING AREA MODIFICATION (506.1 EQUATION 5-1):

Aa = { At + [At × If] + [At × Is]}
Aa = { 9000 + [9000 x 0.568] + [0]
Aa = [9000 + 5112}
Aa = 14112 SF

FRONTAGE INCREASE (506.2):

If = [F/P - 0.25]W/30
If = [398 ft/486 ft - 0.25]30/30
If = 0.568



4 EXISTING CCC AREA CALC
1/32" = 1'-0"

REVISION DATES (DESIGN STAGE ONLY)
A

TEMPLATE SHEET REVISION DATE: 08/2014
REVISION DATE: 10/24/2016 5:30 PM FILE: Z:\14-018 RANCHO CIENEGA SPORTS COMPLEX\DRAWINGS\REVIT\LINKS-AUTOCAD\BOE_TITLEBLOCK_CD_90PERCENT.DWG

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CITY OF LOS ANGELES

NO.	REVISIONS:	DATE:	BY:

BUILDING NO.

RP 300094

INDEX NO.

BUREAU OF ENGINEERING
OFFICIAL RECORD

BID SET SUBMITTAL

CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS

VERTICAL CONTROL:
HORIZONTAL CONTROL:

SHEET TITLE: PROJECT INFORMATION

PROJECT: RANCHO CIENEGA SPORTS COMPLEX

ADDRESS: 5001 RODEO ROAD
LOS ANGELES, CA 90016

WORK ORDER NO.
E1907694

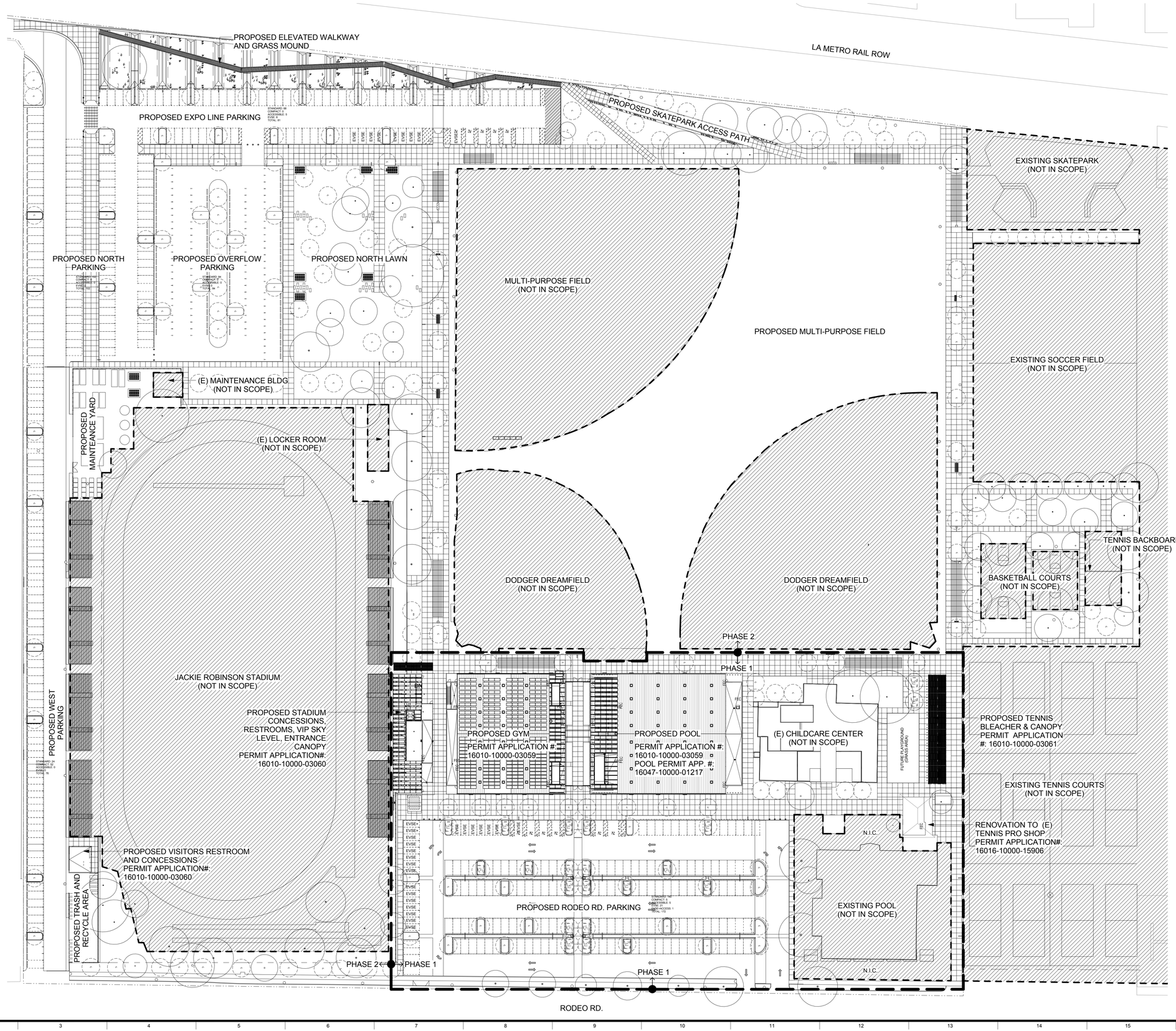
PLAN FILE NO.

DRAWING NO.
G-002

SHEET OF SHEETS

PLOTTED: 12/22/2016 4:30:35 PM

GARY LEE MOORE, PE, ENV SP	CITY ENGINEER
	DATE:
ARCHITECT: ZOLTAN E. PALI, FAIA	LIC. NO. C-19741
ARCHITECTURAL DIVISION	
DESIGNED BY: ZEP	
DRAWN BY: AOS	
CHECKED BY: SM	
APPROVED BY: MAHMOOD KARIMZADEH, A.I.A., PRINCIPAL ARCHITECT	



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CITY OF LOS ANGELES

NO. REVISIONS: DATE: BY:

BUILDING NO.

INDEX NO. RP 300094

EDWARD ARTHUR ZELAN
C-19741
5/31/2017
CIVIL
STATE OF CALIFORNIA

BID SET SUBMITTAL

DEPARTMENT OF PUBLIC WORKS
CITY OF LOS ANGELES

GARY LEE MOORE, PE, ENV SP — CITY ENGINEER — DATE:
ARCHITECTURAL DIVISION — LIC. NO. C-19741
ARCHITECT: ZOLTAN E. PALI, FAIA — DESIGNED BY: ZEP
DRAWN BY: AOS — CHECKED BY: SM
APPROVED BY: MAHMOOD KARIMZADEH, A.I.A., PRINCIPAL ARCHITECT

VERTICAL CONTROL:
HORIZONTAL CONTROL:

SHEET TITLE: SITE OVERVIEW

PROJECT: RANCHO CIENEGA SPORTS COMPLEX
ADDRESS: 5001 RODEO ROAD
LOS ANGELES, CA 90016

BUREAU OF ENGINEERING
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WORK ORDER NO. E1907694
PLAN FILE NO.
DRAWING NO. G-003
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REVISION DATES
(DESIGN STAGE ONLY)

NEW GYMNASIUM BUILDING

- CONSTRUCTION TYPE : III-B
- OCCUPANCY : A-3
- ONE STOREY PLUS ONE MEZZANINE LEVEL
- FULLY SPRINKLERED
- BUILDING CODE FLOOR AREA: **16,578 SF**

NEW STADIUM CONCESSIONS

- CONSTRUCTION TYPE : V-B
- OCCUPANCY : A-5
- ONE STOREY PLUS ONE MEZZANINE LEVEL
- FULLY SPRINKLERED
- BUILDING CODE FLOOR AREA: **3874 SF**

NEW INDOOR POOL BUILDING

- CONSTRUCTION TYPE : III-B
- OCCUPANCY : A-4
- ONE STOREY BUILDING PLUS ONE MEZZANINE LEVEL
- FULLY SPRINKLERED
- BUILDING CODE FLOOR AREA: 20,762 SF

LIFE SAFETY KEYNOTES

1. AREA OF REFUGE
2. ADJACENT CHILDCARE CENTER, BY OTHERS
3. EXISTING CHAINLINK FENCE TO REMAIN
4. PROPOSED PAVED WALKWAY
5. EXISTING CHAINLINK FENCE TO REMAIN
6. IMAGINARY PROPERTY LINE

LIFE SAFETY LEGEND

- BUILDING
- FRONTAGE MINIMUM 15'-0" WIDTH
- EXIT DISCHARGE FROM BUILDING
- EXIT DISCHARGE TO PUBLIC WAY
- IMAGINARY PROPERTY LINE
- ACCESSIBLE PATH OF TRAVEL
- FIRE DEPARTMENT CONNECTION

EGRESS PATH

OF OCCUPANTS → # | IN | X'-X" | X'-X" ← EGRESS WIDTH REQ'D
REQUIRED WIDTH PER OCCUPANT → EGRESS WIDTH PROVIDED

1 A-000 - LIFE SAFETY SITE PLAN
1/16" = 1'-0"

2 A-000 - LIFE SAFETY SITE PLAN - TENNIS GRANDSTAND
1/16" = 1'-0"

NEW TENNIS GRANDSTAND

- CONSTRUCTION TYPE : V-B
- OCCUPANCY : A-5
- ONE STOREY
- 2705 SF

EXISTING CHILD CARE CENTER

(NOT IN SCOPE)

- CONSTRUCTION TYPE : V-N
- OCCUPANCY : B/E3
- ONE STOREY
- NONSPRINKLERED
- 6020 SF

STUCCO COURTYARD FENCED WALL
EXTERIOR FENCED WALL
POOL BUILDING
ENTRY

5 EXISTING C.C.C. ELEVATION
1/16" = 1'-0"

PER TABLE 705.8 THE MAXIMUM AREA OF EXTERIOR WALL OPENING BASED ON FIRE SEPEARTION DISTANCE OF 10' TO LESS THAN 15' - UNPROTECTED, NONSPRINKLERED - IS 15% ALLOWABLE AREA.

BLDG. EXTERIOR - 0% OPEN AREA
EXTERIOR STUCCO FENCE TO COURTYARD
EXT. GATE TO COURTYARD

3 EAST ELEVATION - POOL OPEN AREA
1/16" = 1'-0"

1,870 SF OPEN AREA
296 SF WALL AREA
16% OPEN AREA

40' - 0" TOP OF ROOF
39' - 0" TOP OF FACADE
22' - 9" FACADE MIDPOINT
0' - 0" GROUND LEVEL

PER TABLE 705.8 THE MAXIMUM AREA OF EXTERIOR WALL OPENING BASED ON FIRE SEPEARTION DISTANCE OF 5' TO LESS THAN 10' - UNPROTECTED, SPRINKLERED - IS 25% ALLOWABLE AREA.

4 EAST ELEVATION - STADIUM OVERLOOK OPEN AREA
1/16" = 1'-0"

105 SF OPEN AREA
770 SF WALL AREA
14% OPEN AREA

26' - 6" PRESS BOX FF
0' - 0" GROUND LEVEL
FENCE
FENCE

PER TABLE 705.8 THE MAXIMUM AREA OF EXTERIOR WALL OPENING BASED ON FIRE SEPEARTION DISTANCE OF 5' TO LESS THAN 10' - UNPROTECTED, SPRINKLERED - IS 25% ALLOWABLE AREA.

6 GYM WEST ELEVATION -OPEN AREA
1/16" = 1'-0"

0% OPEN AREA

40' - 0" TOP OF ROOF
0' - 0" GROUND LEVEL

PER TABLE 705.8 THE MAXIMUM AREA OF EXTERIOR WALL OPENING BASED ON FIRE SEPEARTION DISTANCE OF 5' TO LESS THAN 10' - UNPROTECTED, SPRINKLERED - IS 25% ALLOWABLE AREA.

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BUREAU OF ENGINEERING
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CITY OF LOS ANGELES

NO. REVISIONS: DATE: BY:

BUILDING NO.

RP 300094

INDEX NO.

LICENSED ARCHITECT
ZOLTAN E. PALI
C-19741
5/31/2017
RENEWAL
STATE OF CALIFORNIA

BID SET SUBMITTAL

CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS

GARY LEE MOORE, PE, ENV SP CITY ENGINEER
ARCHITECTURAL DIVISION
ARCHITECT: ZOLTAN E. PALI, FAIA LIC. NO. C-19741 DATE:
DESIGNED BY: ZEP
DRAWN BY: AOS
CHECKED BY: SM
APPROVED BY: MAHMOOD KARIMZADEH, A.I.A., PRINCIPAL ARCHITECT

VERTICAL CONTROL:
HORIZONTAL CONTROL:
SHEET TITLE: LIFE SAFETY SITE PLAN
PROJECT: RANCHO CIENEGA SPORTS COMPLEX
ADDRESS: 5001 RODEO ROAD LOS ANGELES, CA 90016

WORK ORDER NO. E1907694
PLAN FILE NO.
DRAWING NO. G-004
SHEET SHEETS OF

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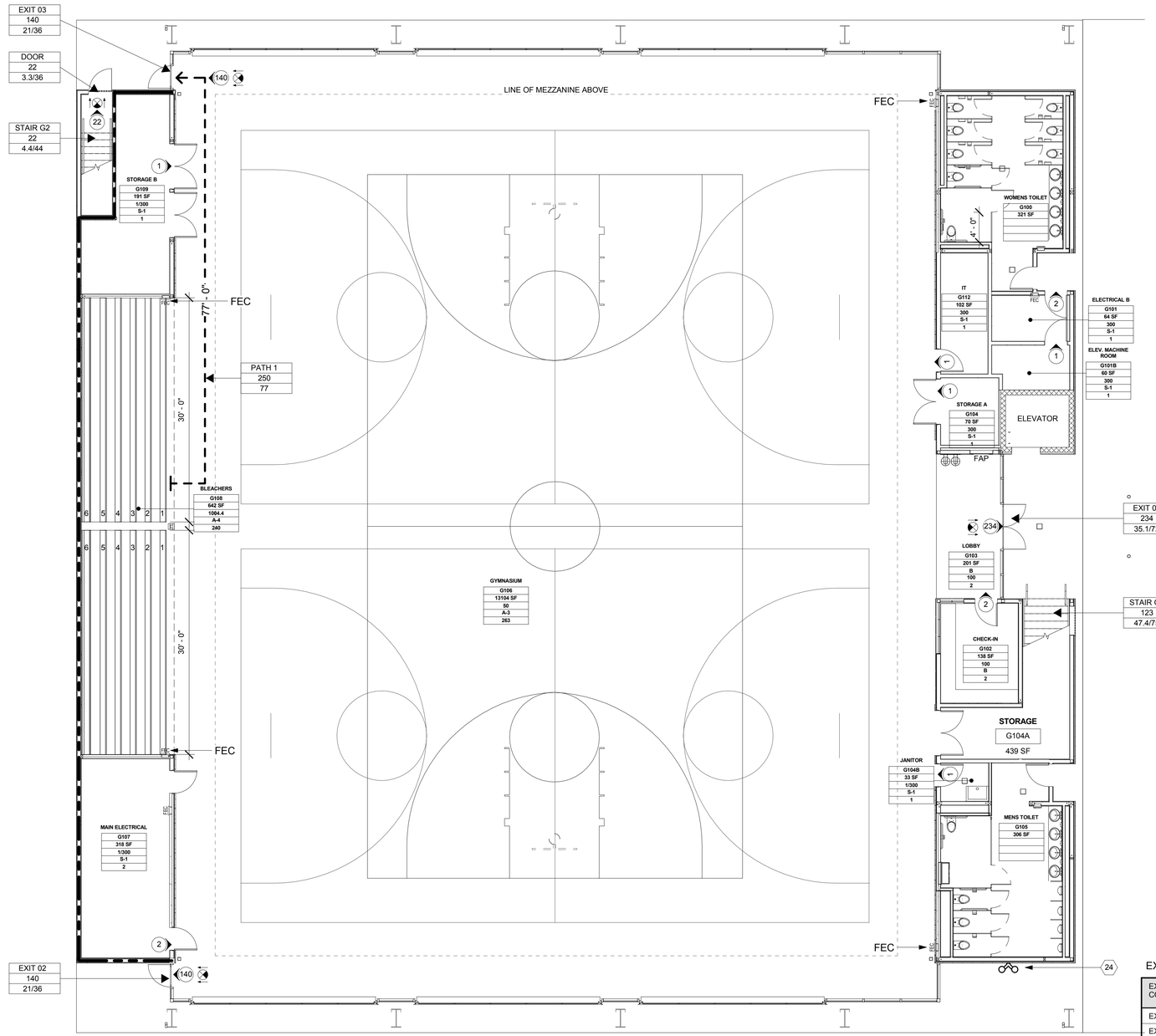


1 GROUND LEVEL PLAN - GYMNASIUM
1/8" = 1'-0"

GENERAL NOTES

1. REFER TO PROJECT NOTES FOR APPLICABLE CODEREQUIREMENTS AND FURTHER INFORMATION.
2. MAXIMUM TRAVEL DISTANCE (FULLY SPRINKLERED BUILDING): "A" OCCUPANCY = 250'.
3. REQUIRED EGRESS WIDTH:
   STAIRS: .2" PER OCCUPANT
   OTHER: .15" PER OCCUPANT
4. EXIT SIGNS SHALL BE LOCATED PER THIS PLAN. ALL EXIT SIGNS SUBJECT TO REVIEW AND APPROVAL OF AUTHORITY HAVING JURISDICTION. GENERAL CONTRACTOR COORDINATE PRE-INSTALLATION FIELD INSPECTION AND WALKTHROUGH PRIOR TO INSTALLATION.
5. PROVIDE EXIT SIGNS AND DIRECTIONAL EXIT SIGNS WITH A MINIMUM 6" HIGH BY 3/4" STROKE BLOCK LETTERS ON A CONTRASTING BACKGROUND AS INDICATED IN BACKGROUND. SPACING BETWEEN SIGNS SHALL NOT EXCEED 100'.
6. ALL EXIT SIGNS SHALL BE INTERNALLY ILLUMINATED EDGE LIT EXIT SIGNS UNLESS OTHERWISE NOTED. ALL SIGNS SHALL BE ILLUMINATED. WHEN THE FACE OF AN EXIT SIGN IS ILLUMINATED FROM AN EXTERNAL SOURCE, IT SHALL HAVE AN INTENSITY NOT LESS THAN 5fc (54LUX) FROM EITHER OF TWO ELECTRIC LAMPS. INTERNALLY ILLUMINATED SIGNSSHALL PROVIDE EQUIVELANT LUMINANCE AND SHALL BE LISTED FOR THE PURPOSE. THE EXIT SIGNS SHALL ALSO BE CONNECTED TO AN EMERGENCY ELECTRICAL SYSTEM PROVIDED FROM STORAGE BATTERIES., UNIT EQUIPMENT, OR AN ON-SITE GENERATOR SET INSTALLED IN ACCORDANCE WITH ELECTRICAL CODE. SIGNS SHALLE BE GREEN IN COLORAND SHALL BE SEALED AT EDGES TO PREVENT UNNECESSARY LIGHT LEAK.
7. CONTRACTOR SHALL BE RESPONSIBLE FOR THE INSTALLATIONOF ALL BRACKETS, HANGARS, AND OTHER MOUNTINGSNECESSARY TO MOUNT EXIT SIGNAGE IN THE INDICATED POSITIONS. CONFIRM WITH ARCHITECT AND CITY OFFICIALSPRIOR TO INSTALLATION.

LIFE SAFETY LEGEND

- BUILDING
- FRONTAGE MINIMUM 15'-0" WIDTH
- LANDSCAPING
- AREA OF EGRESS DISPERSAL
- (#) # OF OCCUPANTS EXITING A SPACE
- ACCESSIBLE PATH OF TRAVEL
- 2 HOUR FIRE RATED WALL
- MAXIMUMTRAVEL DISTANCE
- MAXIMUMTRAVEL DISTANCE
- MAXIMUMTRAVEL DISTANCE

EXIT FACILITY

EXIT FACILITY → DOOR: # ← OCCUPANT LOAD USING EXIT
REQUIRED WIDTH → XX"/XX" ← WIDTH PROVIDED

EXIT PATH → PATH: # ← MAX LENGTH; # ← LENGTH OF PATH

OCCUPIED AREA

ROOM NUMBER → GRANDSTAND: S201
OCCUPANCY LOAD FACTOR → ### SF ← FLOOR AREA
OCCUPANCY CLASSIFICATION → 1/15
A-3
OCCUPANT LOAD ← ###

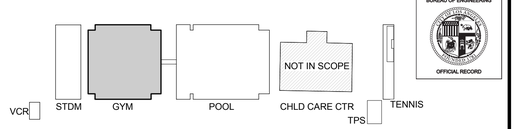
GROUND FLOOR GYMNASIUM

ID	ROOM NAME	OCCUPANCY	FUNCTION PER TABLE 1004.1.2	AREA (SF)	OLF (SF/OCC)	OCCUPANTS
G101	ELECTRICAL B	S-1	STORAGE	72	300	1
G101A	IT	S-1	STORAGE	59	300	1
G101B	ELEV. MACHINE RM	S-1	STORAGE	63	300	1
G102	CHECK IN	B	BUSINESS AREAS	197	100	2
G103	LOBBY	B	BUSINESS AREAS	138	100	2
G104B	JANITOR	S-1	STORAGE	119	300	1
G106	GYMNASIUM	A-3	EXERCISE ROOMS	13,082	50	263
G107	MAIN ELECTRICAL	S-1	STORAGE	318	300	2
G108	BLEACHERS	A-4	ASSEMBLY	642	PER 1004.4	240
G109	STORAGE B	S-1	STORAGE	238	300	1
TOTAL				14,731		514

EXITS

EXIT/EXIT ACCESS COMPONENT	EXIT FUNCTION	STAIR WIDTH (IN)	STAIR FACTOR (IN/OCC)	STAIR CAPACITY (OCC)	REQ. STAIR WIDTH (IN.)	DOOR WIDTH (IN.)	DOOR/RAMP FACTOR (IN/OCC.)	DOOR/RAMP CAPACITY (OCC)	REQUIRED CAPACITY (IN)	GOVERNING CAPACITY	ACTUAL USE
EXIT 01	EXIT	NA		-	-	72	.15	480	60	480	234
EXIT 02	EXIT	NA		-	-	36	.15	240	32	240	140
EXIT 03	EXIT	NA		-	-	36	.15	240	32	240	140
TOTAL						216			188	1440	514

KEY PLAN



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CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS
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NO. REVISIONS: DATE: BY:

BUILDING NO.

INDEX NO. RP 300094

GENERAL ARCHITECT
ZOLTAN E. PALI
C-19741
5/31/2017
RENEW
STATE OF CALIFORNIA

CITY ENGINEER
GARY LEE MOORE, PE, ENV SP
LIC. NO. C-19741
DATE:

ARCHITECTURAL DIVISION
ARCHITECT: ZOLTAN E. PALI, FAIA
DESIGNED BY: ZEP
DRAWN BY: AOS
CHECKED BY: SM
APPROVED BY: MAHMOOD KARIMZADEH, A.I.A., PRINCIPAL ARCHITECT

VERTICAL CONTROL:
HORIZONTAL CONTROL:

SHEET TITLE: GROUND FLOOR EVACUATION PLAN - GYMNASIUM

PROJECT: RANCHO CIENEGA SPORTS COMPLEX
ADDRESS: 5001 RODEO ROAD
LOS ANGELES, CA 90016

WORK ORDER NO. E1907694
PLAN FILE NO.
DRAWING NO. G-005
SHEET SHEETS OF

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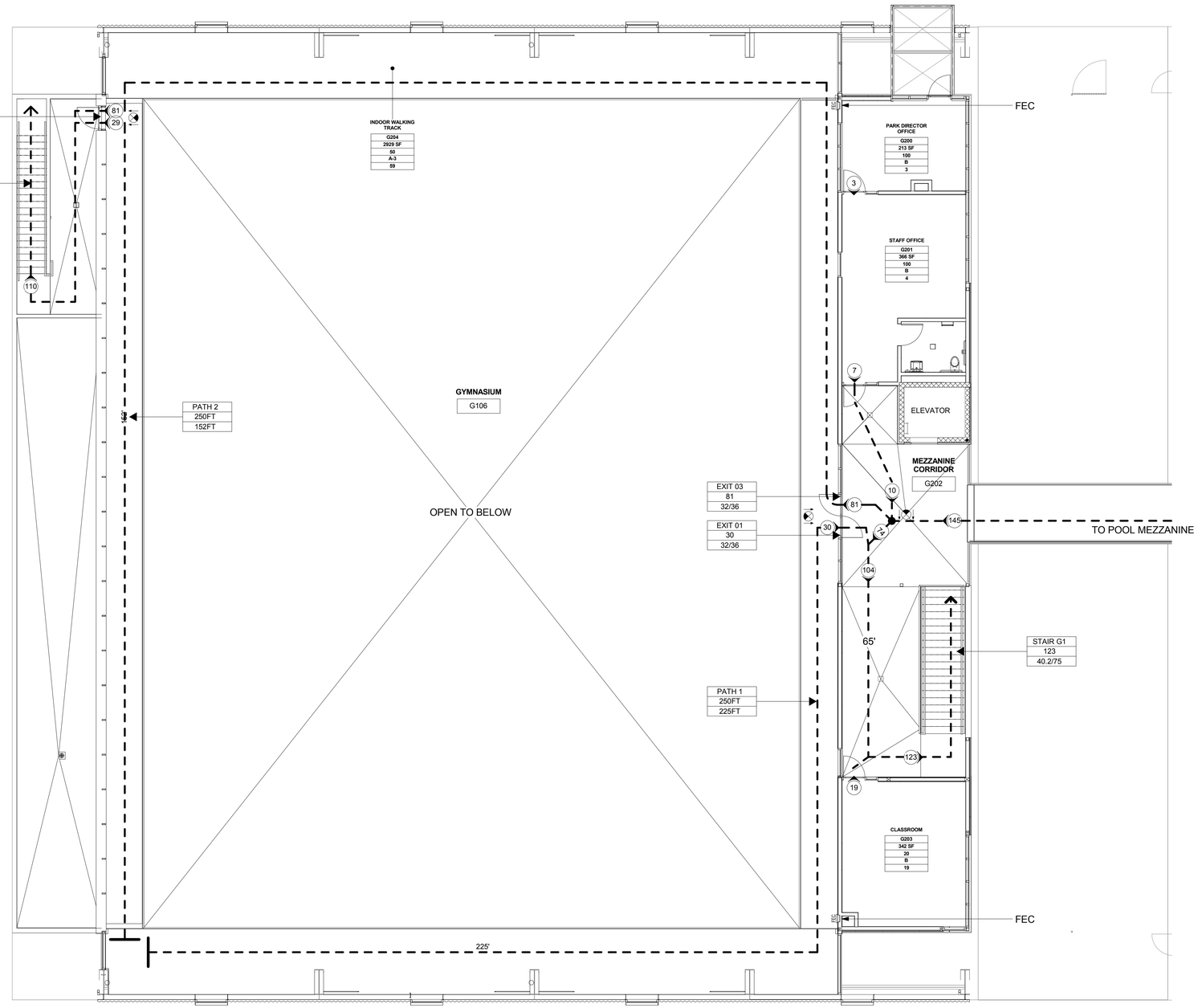


1 MEZZANINE LEVEL PLAN - GYMNASIUM
1/8" = 1'-0"

GENERAL NOTES

1. REFER TO PROJECT NOTES FOR APPLICABLE CODE REQUIREMENTS AND FURTHER INFORMATION.
2. MAXIMUM TRAVEL DISTANCE (FULLY SPRINKLERED BUILDING): "A" OCCUPANCY = 250'.
3. REQUIRED EGRESS WIDTH:
   STAIRS: .2" PER OCCUPANT
   OTHER: .15" PER OCCUPANT
4. EXIT SIGNS SHALL BE LOCATED PER THIS PLAN. ALL EXIT SIGNS SUBJECT TO REVIEW AND APPROVAL OF AUTHORITY HAVING JURISDICTION. GENERAL CONTRACTOR COORDINATE PRE-INSTALLATION FIELD INSPECTION AND WALKTHROUGH PRIOR TO INSTALLATION.
5. PROVIDE EXIT SIGNS AND DIRECTIONAL EXIT SIGNS WITH A MINIMUM 6" HIGH BY 3/4" STROKE BLOCK LETTERS ON A CONTRASTING BACKGROUND AS INDICATED IN BACKGROUND. SPACING BETWEEN SIGNS SHALL NOT EXCEED 100'.
6. ALL EXIT SIGNS SHALL BE INTERNALLY ILLUMINATED EDGE LIT EXIT SIGNS UNLESS OTHERWISE NOTED. ALL SIGNS SHALL BE ILLUMINATED. WHEN THE FACE OF AN EXIT SIGN IS ILLUMINATED FROM AN EXTERNAL SOURCE, IT SHALL HAVE AN INTENSITY NOT LESS THAN 5fc (54LUX) FROM EITHER OF TWO ELECTRIC LAMPS. INTERNALLY ILLUMINATED SIGNS SHALL PROVIDE EQUIVELANT LUMINANCE AND SHALL BE LISTED FOR THE PURPOSE. THE EXIT SIGNS SHALL ALSO BE CONNECTED TO AN EMERGENCY ELECTRICAL SYSTEM PROVIDED FROM STORAGE BATTERIES, UNIT EQUIPMENT, OR AN ON-SITE GENERATOR SET INSTALLED IN ACCORDANCE WITH ELECTRICAL CODE. SIGNS SHALL BE GREEN IN COLOR AND SHALL BE SEALED AT EDGES TO PREVENT UNNECESSARY LIGHT LEAK.
7. CONTRACTOR SHALL BE RESPONSIBLE FOR THE INSTALLATION OF ALL BRACKETS, HANGARS, AND OTHER MOUNTINGS NECESSARY TO MOUNT EXIT SIGNAGE IN THE INDICATED POSITIONS. CONFIRM WITH ARCHITECT AND CITY OFFICIALS PRIOR TO INSTALLATION.

LIFE SAFETY LEGEND

- BUILDING
- FRONTAGE MINIMUM 15'-0" WIDTH
- LANDSCAPING
- AREA OF EGRESS DISPERSAL
- (#) # OF OCCUPANTS EXITING A SPACE
- ACCESSIBLE PATH OF TRAVEL
- 2 HOUR FIRE RATED WALL
- MAXIMUMTRAVEL DISTANCE
- MAXIMUMTRAVEL DISTANCE
- MAXIMUMTRAVEL DISTANCE

BUREAU OF ENGINEERING
OFFICIAL RECORD

EXIT FACILITY

EXIT FACILITY → DOOR / # ← OCCUPANT LOAD USING EXIT
REQUIRED WIDTH → XX"/XX" ← WIDTH PROVIDED

EXIT PATH → PATH / # ← MAX LENGTH / # ← LENGTH OF PATH

OCCUPIED AREA

GRANDSTAND
ROOM NUMBER → S201
SF ← FLOOR AREA
OCCUPANCY LOAD FACTOR → 1/15
OCCUPANCY CLASSIFICATION → A-3
← OCCUPANT LOAD

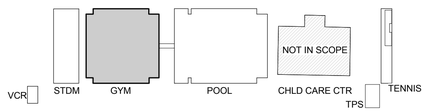
MEZZANINE FLOOR GYMNASIUM

ID	ROOM NAME	OCCUPANCY	FUNCTION PER TABLE 1004.1.2	AREA (SF)	OLF (SF/OCC)	OCCUPANTS
G200	PARK DIRECTOR OFFICE	B	BUSINESS	217	100	3
G201	STAFF OFFICE	B	BUSINESS	449	100	4
G203	CLASSROOM	B	CLASSROOM AREA	353	20	19
G204	INDOOR WALKING TRACK	A-3	EXERCISE ROOMS	2932	50	59
TOTAL				3951		85

EXITS

EXIT/EXIT ACCESS COMPONENT	EXIT FUNCTION	STAIR WIDTH (IN)	STAIR FACTOR (IN/OCC)	STAIR CAPACITY (OCC)	REQ. STAIR WIDTH (IN.)	DOOR WIDTH (IN.)	DOOR/RAMP FACTOR (IN/OCC.)	DOOR/RAMP CAPACITY (OCC)	REQUIRED CAPACITY (IN)	GOVERNING CAPACITY	ACTUAL USE
STAIR G1	EXIT STAIR	70	.3	207	62						123
STAIR G2 / EXIT 02	EXIT STAIR	48	.3	29	44	36	.15	240	32	240	110
EXIT 01	EXIT					36	.15	240	30	240	30
EXIT 03	EXIT					36	.15	240	30	240	81
TOTAL						108			92	720	344

KEY PLAN



BUREAU OF ENGINEERING
ENGINEERING
CITY OF LOS ANGELES

NO. REVISIONS: DATE: BY:

BUILDING NO.

INDEX NO. RP 300094

LICENSED ARCHITECT
ZOLTAN E. PALI
C-19741
5/31/2017
RENEWAL DATE
STATE OF CALIFORNIA

BID SET SUBMITTAL

CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS

CITY ENGINEER: GARY LEE MOORE, PE, ENV SP
DATE:
ARCHITECTURAL DIVISION
ARCHITECT: ZOLTAN E. PALI, FAIA LIC. NO. C-19741
DESIGNED BY: ZEP
DRAWN BY: AOS
CHECKED BY: SM
APPROVED BY: MAHMOOD KARIMZADEH, A.I.A., PRINCIPAL ARCHITECT

VERTICAL CONTROL:
HORIZONTAL CONTROL:

SHEET TITLE: MEZZANINE FLOOR EVACUATION PLAN - GYMNASIUM

PROJECT: RANCHO CIENEGA SPORTS COMPLEX
ADDRESS: 5001 RODEO ROAD
LOS ANGELES, CA 90016

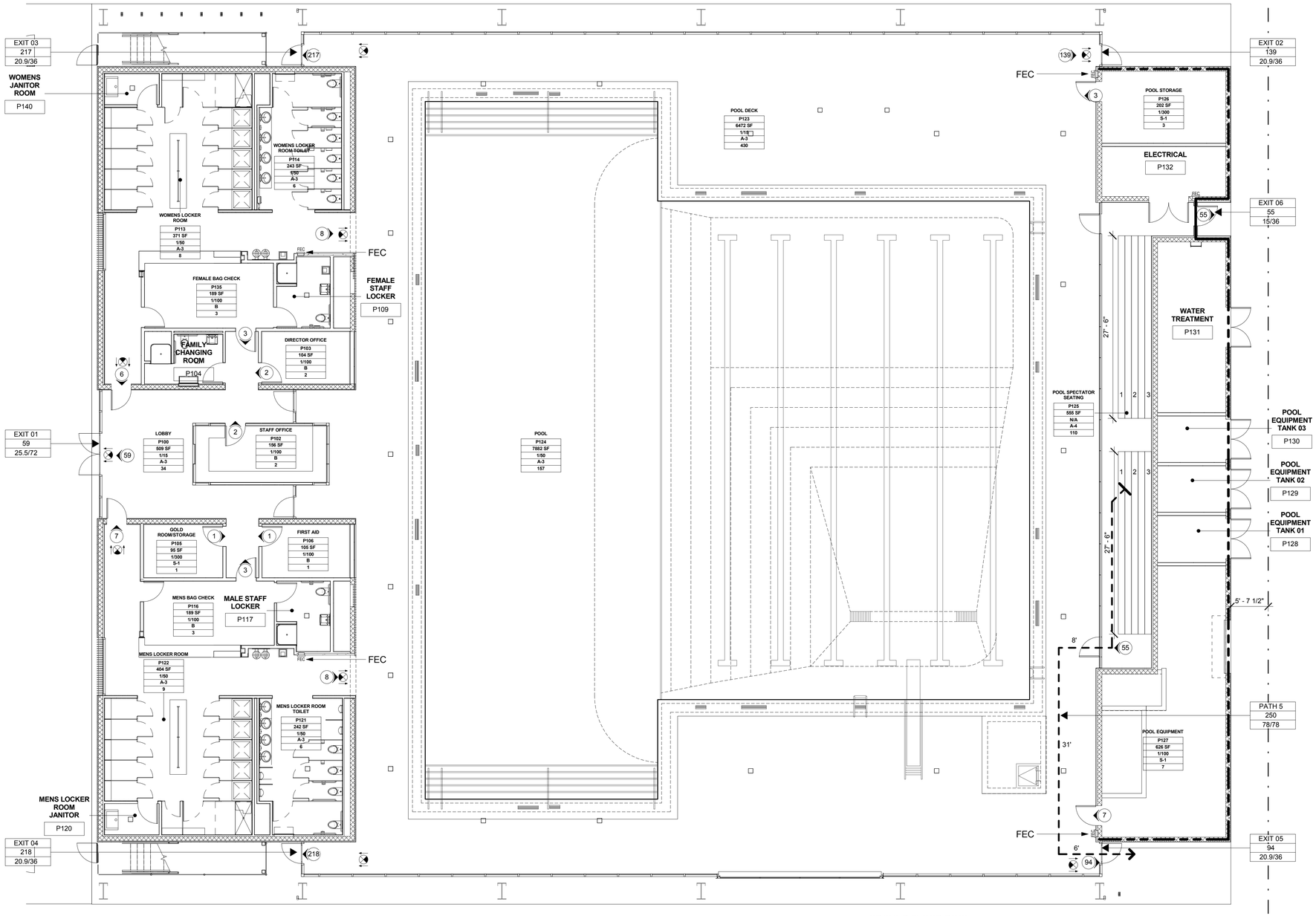
WORK ORDER NO. E1907694
PLAN FILE NO.
DRAWING NO. G-006
SHEET OF SHEETS

PLOTTED: 12/22/2016 4:31:09 PM

REVISION DATES (DESIGN STAGE ONLY)

THE CITY OF LOS ANGELES OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF ELECTRONIC COPIES OF THIS PLAN SHEET.

TEMPLATE SHEET REVISION DATE: 08/2014
REVISION DATE: 10/24/2016 5:30 PM
FILE: Z:\14-018 RANCHO CIENEGA SPORTS COMPLEX\DRAWINGS\REVIT\LINKS-AUTOCAD\BOE_TITLEBLOCK_CD_80PERCENT.DWG



1 GROUND LEVEL PLAN - POOL
1/8" = 1'-0"

GENERAL NOTES

1. REFER TO PROJECT NOTES FOR APPLICABLE CODEREQUIREMENTS AND FURTHER INFORMATION.
2. MAXIMUM TRAVEL DISTANCE (FULLY SPRINKLERED BUILDING): "A" OCCUPANCY = 250'.
3. REQUIRED EGRESS WIDTH:
   STAIRS: .2" PER OCCUPANT
   OTHER: .15" PER OCCUPANT
4. EXIT SIGNS SHALL BE LOCATED PER THIS PLAN. ALL EXIT SIGNS SUBJECT TO REVIEW AND APPROVAL OF AUTHORITY HAVING JURISDICTION. GENERAL CONTRACTOR COORDINATE PRE-INSTALLATION FIELD INSPECTION AND WALKTHROUGH PRIOR TO INSTALLATION.
5. PROVIDE EXIT SIGNS AND DIRECTIONAL EXIT SIGNS WITH A MINIMUM 6" HIGH BY 3/4" STROKE BLOCK LETTERS ON A CONTRASTING BACKGROUND AS INDICATED IN BACKGROUND. SPACING BETWEEN SIGNS SHALL NOT EXCEED 100'.
6. ALL EXIT SIGNS SHALL BE INTERNALLY ILLUMINATED EDGE LIT EXIT SIGNS UNLESS OTHERWISE NOTED. ALL SIGNS SHALL BE ILLUMINATED. WHEN THE FACE OF AN EXIT SIGN IS ILLUMINATED FROM AN EXTERNAL SOURCE, IT SHALL HAVE AN INTENSITY NOT LESS THAN 5fc (54LUX) FROM EITHER OF TWO ELECTRIC LAMPS. INTERNALLY ILLUMINATED SIGNSSHALL PROVIDE EQUIVELANT LUMINANCE AND SHALL BE LISTED FOR THE PURPOSE. THE EXIT SIGNS SHALL ALSO BE CONNECTED TO AN EMERGENCY ELECTRICAL SYSTEM PROVIDED FROM STORAGE BATTERIES,, UNIT EQUIPMENT, OR AN ON-SITE `GENERATOR SET INSTALLED IN ACCORDANCE WITH ELECTRICAL CODE. SIGNS SHALLE BE GREEN IN COLORAND SHALL BE SEALED AT EDGES TO PREVENT UNNECESSARY LIGHT LEAK.
7. CONTRACTOR SHALL BE RESPONSIBLE FOR THE INSTALLATIONOF ALL BRACKETS, HANGARS, AND OTHER MOUNTINGSNECESSARY TO MOUNT EXIT SIGNAGE IN THE INDICATED POSITIONS. CONFIRM WITH ARCHITECT AND CITY OFFICIALBRIOR TO INSTALLATION.

LIFE SAFETY LEGEND

- BUILDING
- FRONTAGE MINIMUM 15'-0" WIDTH
- LANDSCAPING
- AREA OF EGRESS DISPERSAL
- (#) # OF OCCUPANTS EXITING A SPACE
- ACCESSIBLE PATH OF TRAVEL
- 2 HOUR FIRE RATED WALL
- MAXIMUMTRAVEL DISTANCE
- MAXIMUMTRAVEL DISTANCE
- MAXIMUMTRAVEL DISTANCE

EXIT FACILITY

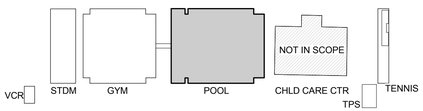
EXIT FACILITY — DOOR / # — OCCUPANT LOAD USING EXIT
REQUIRED WIDTH — XX"/XX" — WIDTH PROVIDED

EXIT PATH — PATH / # — MAX LENGTH / # — LENGTH OF PATH

OCCUPIED AREA

GRANDSTAND
ROOM NUMBER — S201 — FLOOR AREA
SF
OCCUPANCY LOAD FACTOR — 1/15
OCCUPANCY CLASSIFICATION — A-3 — OCCUPANT LOAD
###

KEY PLAN



EXITS

EXIT/EXIT ACCESS COMPONENT	EXIT FUNCTION	STAIR WIDTH (IN)	STAIR FACTOR (IN/OCC)	STAIR CAPACITY (OCC)	REQ. STAIR WIDTH (IN.)	DOOR WIDTH (IN.)	DOOR/RAMP FACTOR (IN/OCC.)	DOOR/RAMP CAPACITY (OCC)	REQUIRED CAPACITY (IN)	GOVERNING CAPACITY	ACTUAL USE
EXIT 01	EXIT	NA	-	-	-	72	.15	480	60	480	59
EXIT 02	EXIT	NA	-	-	-	36	.15	240	32	240	139
EXIT 03	EXIT	NA	-	-	-	36	.15	240	32	240	217
EXIT 04	EXIT	NA	-	-	-	36	.15	240	32	240	218
EXIT 05	EXIT	NA	-	-	-	36	.15	240	32	240	94
EXIT 06	EXIT	NA	-	-	-	36	.15	240	32	240	55
TOTAL						324			284	2160	782

GROUND FLOOR POOL

ID	ROOM NAME	OCCUPANCY	FUNCTION PER TABLE 1004.1.2	AREA (SF)	OLF (SF/OCC)	OCCUPANTS
P100	LOBBY	A-3	LOBBY	509	15	34
P102	STAFF OFFICE	B	BUSINESS AREAS	156	100	2
P103	DIRECTOR OFFICE	B	BUSINESS AREAS	104	100	2
P105	GOLD RM. STORAGE	S-1	STORAGE	95	300	1
P106	FIRST AID	B	BUSINESS AREAS	105	100	1
P116	MENS BAG CHECK	B	BUSINESS AREAS	193	100	3
P122	MENS LOCKER RM	A-3	EXERCISE ROOMS	404	50	9
P121	MENS LOCKER TOILET	S-1	EXERCISE ROOMS	261	50	6
P135	FEMALE BAG CHECK	B	BUSINESS AREAS	192	100	3
P113	WOMENS LOCKER RM	A-3	EXERCISE ROOMS	371	50	8
P114	WOMENS LOCKER TOILET	A-3	EXERCISE ROOMS	265	50	6
P124	POOL	A-3	SWIMMING POOL	7882	50	157
P123	POOL DECK	A-3	DECKS POOL	6456	15	430
P125	POOL SPECTATOR	A-4	FIXED SEATS	555	1 PER 18"	110
P126	POOL STORAGE	S-1	STORAGE	202	300	3
P127	POOL EQUIPMENT	S-1	MECH. EQUIPMENT	626	100	7
TOTAL				17,867		782

BUREAU OF ENGINEERING
OFFICIAL RECORD

ENGINEERING
CITY OF LOS ANGELES

BUREAU OF ENGINEERING

NO.	REVISIONS:	DATE:	BY:

BUILDING NO.

INDEX NO. RP 300094

LICENSED ARCHITECT
JOHN C. PALI
C-19741
5/31/2017
RENEW
STATE OF CALIFORNIA

BID SET SUBMITTAL

DEPARTMENT OF PUBLIC WORKS

CITY OF LOS ANGELES

GARY LEE MOORE, PE, ENV SP — CITY ENGINEER — DATE:
ARCHITECTURAL DIVISION — LIC. NO. C-19741
ARCHITECT: ZOLTAN E. PALI, FAIA — DESIGNED BY: ZEP
DRAWN BY: AOS
CHECKED BY: SM
APPROVED BY: MAHMOOD KARIMZADEH, A.I.A., PRINCIPAL ARCHITECT

VERTICAL CONTROL:
HORIZONTAL CONTROL:
SHEET TITLE: GROUND FLOOR EVACUATION PLAN - POOL
PROJECT: RANCHO CIENEGA SPORTS COMPLEX
ADDRESS: 5001 RODEO ROAD
LOS ANGELES, CA 90016

WORK ORDER NO. E1907694
PLAN FILE NO.
DRAWING NO. G-007
SHEET SHEETS OF

PLOTTED: 12/22/2016 4:31:14 PM

REVISION DATES (DESIGN STAGE ONLY)

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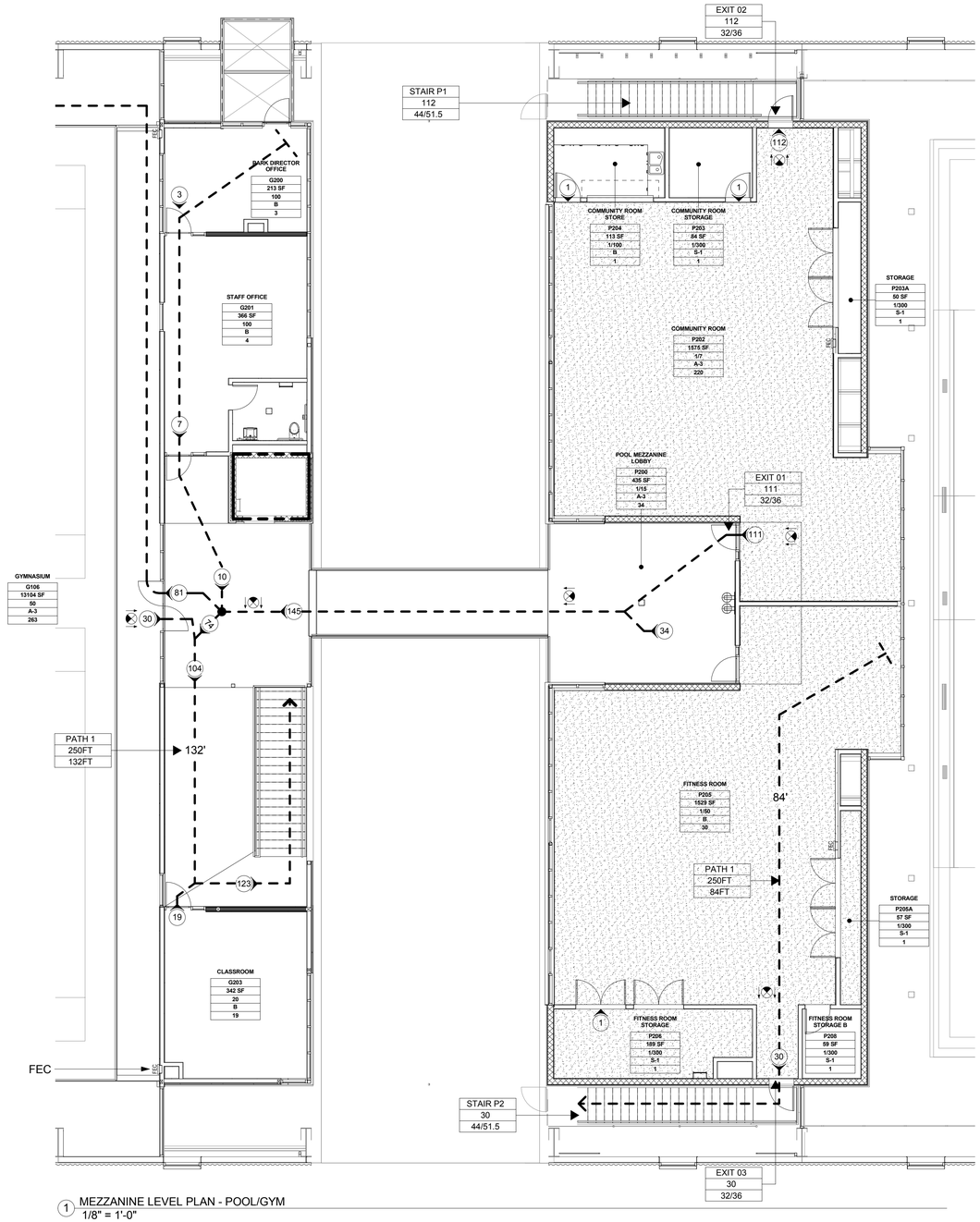

1 MEZZANINE LEVEL PLAN - POOL/GYM
1/8" = 1'-0"

GENERAL NOTES

1. REFER TO PROJECT NOTES FOR APPLICABLE CODEREQUIREMENTS AND FURTHER INFORMATION.
2. MAXIMUM TRAVEL DISTANCE (FULLY SPRINKLERED BUILDING): "A" OCCUPANCY = 250'.
3. REQUIRED EGRESS WIDTH:
   STAIRS: .2" PER OCCUPANT
   OTHER: .15" PER OCCUPANT
4. EXIT SIGNS SHALL BE LOCATED PER THIS PLAN. ALL EXIT SIGNS SUBJECT TO REVIEW AND APPROVAL OF AUTHORITY HAVING JURISDICTION. GENERAL CONTRACTOR COORDINATE PRE-INSTALLATION FIELD INSPECTION AND WALKTHROUGH PRIOR TO INSTALLATION.
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LIFE SAFETY LEGEND

- BUILDING
- FRONTAGE MINIMUM 15'-0" WIDTH
- LANDSCAPING
- AREA OF EGRESS DISPERSAL
- # OF OCCUPANTS EXITING A SPACE
- ACCESSIBLE PATH OF TRAVEL
- 2 HOUR FIRE RATED WALL
- MAXIMUMTRAVEL DISTANCE
- MAXIMUMTRAVEL DISTANCE
- MAXIMUMTRAVEL DISTANCE

BUREAU OF ENGINEERING — OFFICIAL RECORD

MEZZANINE FLOOR POOL

ID	ROOM NAME	OCCUPANCY	FUNCTION PER TABLE 1004.1.2	AREA (SF)	OLF (SF/OCC)	OCCUPANTS
P200	POOL MEZZ. LOBBY	A-3	ASSEMBLY W/O FIXED SEATS	506	15	34
P202	COMMUNITY ROOM	A-3	ASSEMBLY W/O FIXED SEATS	1539	7	220
P203	COMMUNITY RM. STORAGE	S-1	STORAGE	84	300	1
P204	COMMUNITY RM. STORE	B	BUSINESS	113	100	1
P203A	STORAGE	S-1	STORAGE	50	300	1
P205	FITNESS ROOM	B	EXERCISE ROOM	1467	50	30
P205A	STORAGE	S-1	STORAGE	57	300	1
P206	FITNESS ROOM STORAGE	S-1	STORAGE	140	300	1
P208	STORAGE B	S-1	STORAGE	153	300	1
TOTAL				3603		290

EXITS

EXIT/EXIT ACCESS COMPONENT	EXIT FUNCTION	STAIR WIDTH (IN)	STAIR FACTOR (IN/OCC)	STAIR CAPACITY (OCC)	REQ. STAIR WIDTH (IN.)	DOOR WIDTH (IN.)	DOOR/RAMP FACTOR (IN/OCC.)	DOOR/RAMP CAPACITY (OCC)	REQUIRED CAPACITY (IN)	GOVERNING CAPACITY	ACTUAL USE
EXIT 01	EXIT					36	.15	240	32	240	145
STAIR P1 / EXIT 02	EXIT STAIR	51.5	.3	112	34	36	.15	240	32	240	112
STAIR P2 / EXIT 03	EXIT STAIR	51.5	.3	16	34	36	.15	240	32	240	30
TOTAL						144			128	960	290

EXIT FACILITY

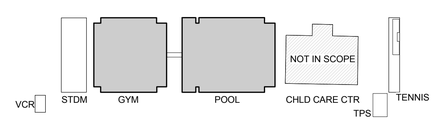
EXIT FACILITY → DOOR / # / XX"/XX" ← OCCUPANT LOAD USING EXIT
REQUIRED WIDTH → ← WIDTH PROVIDED

EXIT PATH → PATH / # / # ← MAX LENGTH / ← LENGTH OF PATH

OCCUPIED AREA

GRANDSTAND
ROOM NUMBER → S201
SF ← FLOOR AREA
OCCUPANCY LOAD FACTOR → 1/15
OCCUPANCY CLASSIFICATION → A-3
← OCCUPANT LOAD

KEY PLAN



BUREAU OF ENGINEERING
ENGINEERING
CITY OF LOS ANGELES

NO.	REVISIONS:	DATE	BY:

BUILDING NO.

INDEX NO. RP 300094

LICENSED ARCHITECT — ZOLTAN E. PALI — C-19741 — 5/31/2017 — STATE OF CALIFORNIA

BID SET SUBMITTAL

BUREAU OF ENGINEERING — DEPARTMENT OF PUBLIC WORKS

CITY OF LOS ANGELES

VERTICAL CONTROL:
HORIZONTAL CONTROL:
SHEET TITLE: MEZZANINE FLOOR EVACUATION PLAN - POOL

PROJECT: RANCHO CIENEGA SPORTS COMPLEX
ADDRESS: 5001 RODEO ROAD
LOS ANGELES, CA 90016

GARY LEE MOORE, PE, ENV SP — CITY ENGINEER — DATE:
ARCHITECTURAL DIVISION
ARCHITECT: ZOLTAN E. PALI, FAIA — LIC. NO. C-19741
DESIGNED BY: ZEP
DRAWN BY: AOS
CHECKED BY: SM
APPROVED BY: MAHMOOD KARIMZADEH, A.I.A., PRINCIPAL ARCHITECT

WORK ORDER NO. E1907694
PLAN FILE NO.
DRAWING NO. G-008
SHEET OF SHEETS

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REVISION DATES (DESIGN STAGE ONLY)

THE CITY OF LOS ANGELES OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF ELECTRONIC COPIES OF THIS PLAN SHEET.

FILE: Z:\14-018 RANCHO CIENEGA SPORTS COMPLEX\DRAWINGS\REVITLINKS-AUTOCAD\BOE_TITLEBLOCK_CD_80PERCENT.DWG

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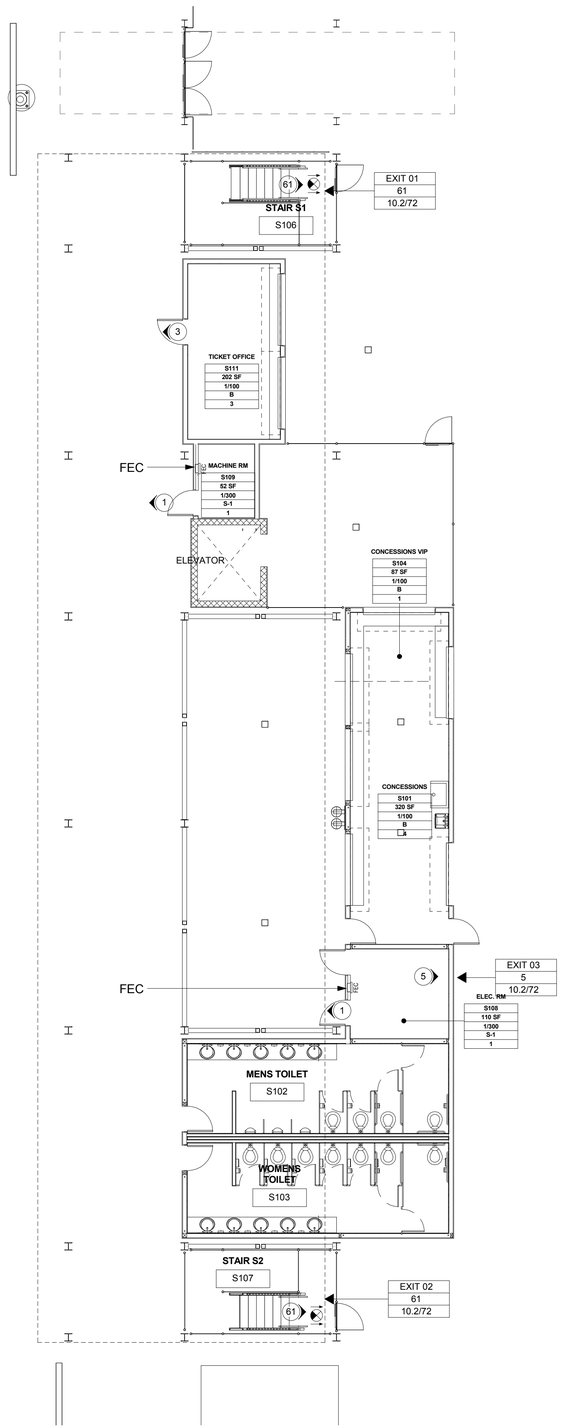
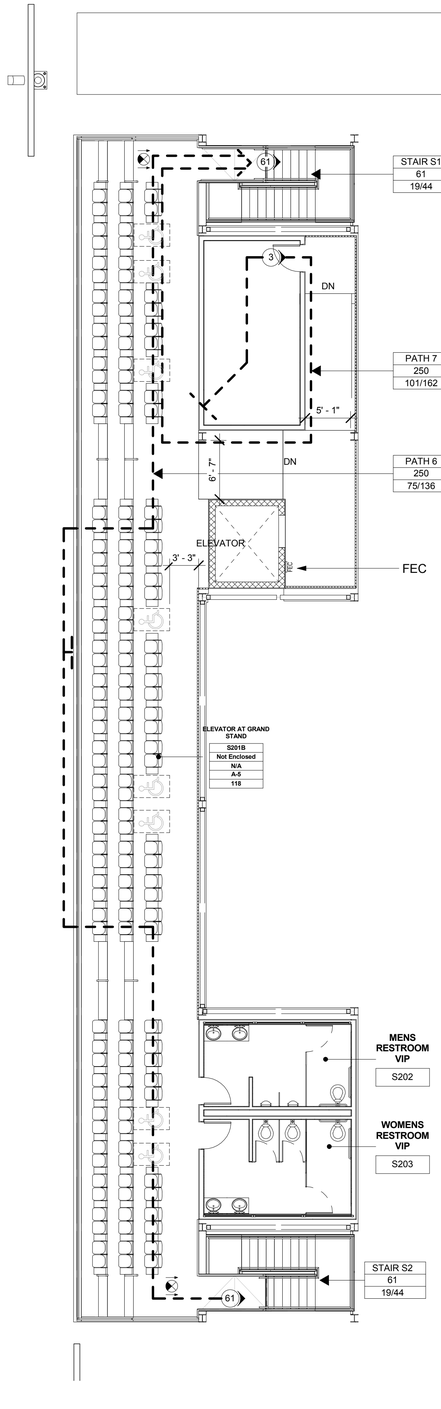


1 GROUND LEVEL PLAN - STADIUM OVERLOOK
1/8" = 1'-0"



2 OVERLOOK LEVEL PLAN - STADIUM OVERLOOK
1/8" = 1'-0"

GENERAL NOTES

1. REFER TO PROJECT NOTES FOR APPLICABLE CODEREQUIREMENTS AND FURTHER INFORMATION.
2. MAXIMUM TRAVEL DISTANCE (FULLY SPRINKLERED BUILDING): "A" OCCUPANCY = 250'.
3. REQUIRED EGRESS WIDTH:
   STAIRS: .2" PER OCCUPANT
   OTHER: .15" PER OCCUPANT
4. EXIT SIGNS SHALL BE LOCATED PER THIS PLAN. ALL EXIT SIGNS SUBJECT TO REVIEW AND APPROVAL OF AUTHORITY HAVING JURISDICTION. GENERAL CONTRACTOR COORDINATE PRE-INSTALLATION FIELD INSPECTION AND WALKTHROUGH PRIOR TO INSTALLATION.
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LIFE SAFETY LEGEND

- BUILDING
- FRONTAGE MINIMUM 15'-0" WIDTH
- LANDSCAPING
- AREA OF EGRESS DISPERSAL
- (#) # OF OCCUPANTS EXITING A SPACE
- ACCESSIBLE PATH OF TRAVEL
- 2 HOUR FIRE RATED WALL
- MAXIMUMTRAVEL DISTANCE
- MAXIMUMTRAVEL DISTANCE
- MAXIMUMTRAVEL DISTANCE

EXIT FACILITY

EXIT FACILITY → DOOR / # ← OCCUPANT LOAD USING EXIT
REQUIRED WIDTH → XX"/XX" ← WIDTH PROVIDED

EXIT PATH → PATH / # ← MAX LENGTH / # ← LENGTH OF PATH

OCCUPIED AREA

GRANDSTAND
ROOM NUMBER → S201
SF ← FLOOR AREA
OCCUPANCY LOAD FACTOR → 1/15
OCCUPANCY CLASSIFICATION → A-3
← OCCUPANT LOAD

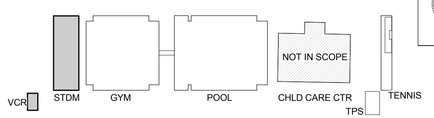
STADIUM OVERLOOK

ID	ROOM NAME	OCCUPANCY	FUNCTION PER TABLE 1004.1.2	AREA (SF)	OLF (SF/OCC)	OCCUPANTS
S100	TICKET OFFICE	B	STORAGE	202	100	3
S100A	MACHINE ROOM	S-1	MECH. EQUIP.	59	300	1
S104	CONCESSIONS VIP	B	BUSINESS	87	100	1
S101	CONCESSIONS	B	BUSINESS	378	100	4
S108	ELEC. ROOM	S-1	STORAGE	52	300	1
S201	PRESS BOX	B	BUSINESS	221	100	3
S201B	GRANDSTAND	A-5	FIXED SEATING	2313	N/A	118
TOTAL				3312		122

EXITS

EXIT/EXIT ACCESS COMPONENT	EXIT FUNCTION	STAIR WIDTH (IN)	STAIR FACTOR (IN/OCC)	STAIR CAPACITY (OCC)	REQ. STAIR WIDTH (IN.)	DOOR WIDTH (IN.)	DOOR/RAMP FACTOR (IN/OCC.)	DOOR/RAMP CAPACITY (OCC)	REQUIRED CAPACITY (IN)	GOVERNING CAPACITY	ACTUAL USE
EXIT 01	EXIT					36	.15	240	32	240	111
STAIR P1 / EXIT 02	EXIT STAIR	51.5	.3	112	34	36	.15	240	32	240	112
EXIT 02	EXIT					36	.15	240	32	240	33
TOTAL						108			96	720	256

KEY PLAN



BUREAU OF ENGINEERING
OFFICIAL RECORD

BID SET SUBMITTAL

CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS
BUREAU OF ENGINEERING

ENGINEERING
CITY OF LOS ANGELES

GARY LEE MOORE, PE, ENV SP CITY ENGINEER
ARCHITECTURAL DIVISION
ARCHITECT: ZOLTAN E. PALI, FAIA LIC. NO. C-19741
DESIGNED BY: ZEP
DRAWN BY: AOS
CHECKED BY: SM
APPROVED BY: MAHMOOD KARIMZADEH, A.I.A., PRINCIPAL ARCHITECT

DATE: BY:
NO. REVISIONS:

BUILDING NO.
INDEX NO. RP 300094

LICENSED ARCHITECT ZOLTAN E. PALI C-19741 5/31/2017 RENEWAL DATE STATE OF CALIFORNIA

VERTICAL CONTROL:
HORIZONTAL CONTROL:
SHEET TITLE: STADIUM OVERLOOK - EVACUATION PLAN
PROJECT: RANCHO CIENEGA SPORTS COMPLEX
ADDRESS: 5001 RODEO ROAD
LOS ANGELES, CA 90016

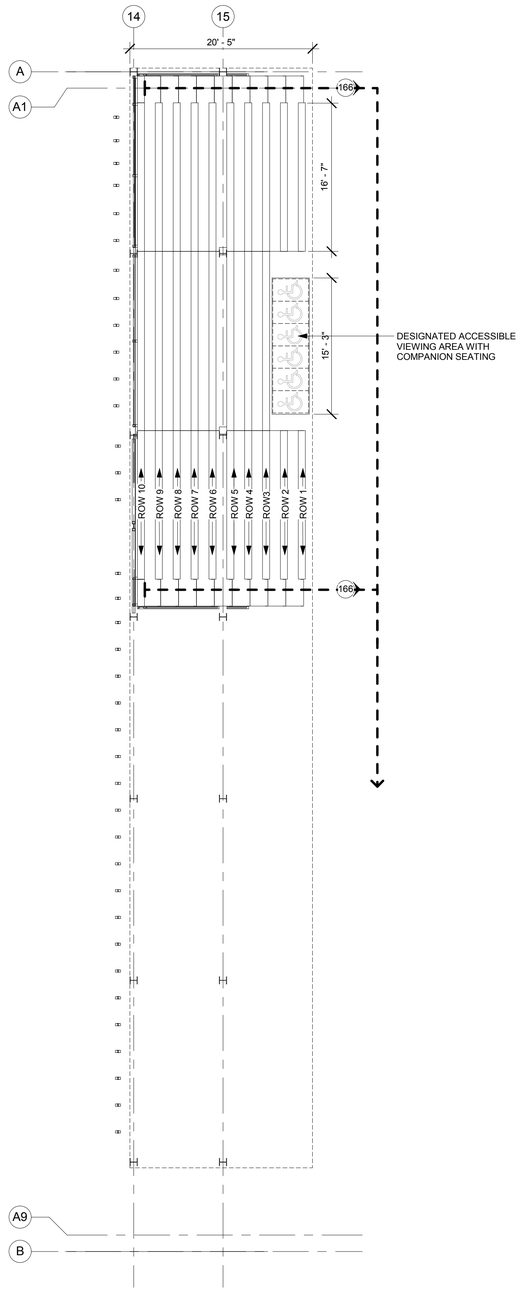
WORK ORDER NO. E1907694
PLAN FILE NO.
DRAWING NO. G-009
SHEET SHEETS OF

PLOTTED: 12/22/2016 4:31:29 PM

REVISION DATES (DESIGN STAGE ONLY)

THE CITY OF LOS ANGELES OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF ELECTRONIC COPIES OF THIS PLAN SHEET.

TEMPLATE SHEET REVISION DATE: 08/2014
REVISION DATE: 10/24/2016 5:30 PM
FILE: Z:\14-018 RANCHO CIENEGA SPORTS COMPLEX\DRAWINGS\REVITLINKS-AUTOCADBOE_TITLEBLOCK_CD_90PERCENT.DWG



1 GROUND LEVEL PLAN TENNIS - GRANDSTAND
1/8" = 1'-0"

GENERAL NOTES

1. REFER TO PROJECT NOTES FOR APPLICABLE CODEREQUIREMENTS AND FURTHER INFORMATION.
2. MAXIMUM TRAVEL DISTANCE (FULLY SPRINKLERED BUILDING): "A" OCCUPANCY = 250'.
3. REQUIRED EGRESS WIDTH:
   STAIRS: .2" PER OCCUPANT
   OTHER: .15" PER OCCUPANT
4. EXIT SIGNS SHALL BE LOCATED PER THIS PLAN. ALL EXIT SIGNS SUBJECT TO REVIEW AND APPROVAL OF AUTHORITY HAVING JURISDICTION. GENERAL CONTRACTOR COORDINATE PRE-INSTALLATION FIELD INSPECTION AND WALKTHROUGH PRIOR TO INSTALLATION.
5. PROVIDE EXIT SIGNS AND DIRECTIONAL EXIT SIGNS WITH A MINIMUM 6" HIGH BY 3/4" STROKE BLOCK LETTERS ON A CONTRASTING BACKGROUND AS INDICATED IN BACKGROUND. SPACING BETWEEN SIGNS SHALL NOT EXCEED 100'.
6. ALL EXIT SIGNS SHALL BE INTERNALLY ILLUMINATED EDGE LIT EXIT SIGNS UNLESS OTHERWISE NOTED. ALL SIGNS SHALL BE ILLUMINATED. WHEN THE FACE OF AN EXIT SIGN IS ILLUMINATED FROM AN EXTERNAL SOURCE, IT SHALL HAVE AN INTENSITY NOT LESS THAN 5fc (54LUX) FROM EITHER OF TWO ELECTRIC LAMPS. INTERNALLY ILLUMINATED SIGNSSHALL PROVIDE EQUIVELANT LUMINANCE AND SHALL BE LISTED FOR THE PURPOSE. THE EXIT SIGNS SHALL ALSO BE CONNECTED TO AN EMERGENCY ELECTRICAL SYSTEM PROVIDED FROM STORAGE BATTERIES., UNIT EQUIPMENT, OR AN ON-SITE 'GENERATOR SET INSTALLED IN ACCORDANCE WITH ELECTRICAL CODE. SIGNS SHALLE BE GREEN IN COLORAND SHALL BE SEALED AT EDGES TO PREVENT UNNECESSARY LIGHT LEAK.
7. CONTRACTOR SHALL BE RESPONSIBLE FOR THE INSTALLATIONOF ALL BRACKETS, HANGARS, AND OTHER MOUNTINGSNECESSARY TO MOUNT EXIT SIGNAGE IN THE INDICATED POSITIONS. CONFIRM WITH ARCHITECT AND CITY OFFICIALSPRIOR TO INSTALLATION.

LIFE SAFETY LEGEND

- BUILDING
- FRONTAGE MINIMUM 15'-0" WIDTH
- LANDSCAPING
- AREA OF EGRESS DISPERSAL
- (#) # OF OCCUPANTS EXITING A SPACE
- ACCESSIBLE PATH OF TRAVEL
- 2 HOUR FIRE RATED WALL
- MAXIMUMTRAVEL DISTANCE
- MAXIMUMTRAVEL DISTANCE
- MAXIMUMTRAVEL DISTANCE

EXIT FACILITY

EXIT FACILITY → DOOR / # / XX"/XX" ← OCCUPANT LOAD USING EXIT; REQUIRED WIDTH → ← WIDTH PROVIDED

EXIT PATH → PATH / # / # ← MAX LENGTH; ← LENGTH OF PATH

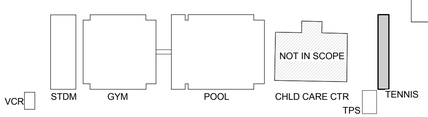
OCCUPIED AREA

GRANDSTAND / 5201 / ### SF / 1/15 / A-3 / ### ← FLOOR AREA; ROOM NUMBER →; OCCUPANCY LOAD FACTOR →; OCCUPANCY CLASSIFICATION → ← OCCUPANT LOAD

TENNIS GRANDSTAND

ID	ROOM NAME	OCCUPANCY	FUNCTION PER TABLE 1004.1.2	AREA (SF)	OLF (SF/OCC)	OCCUPANTS
T100	TENNIS GRANDSTAND	A	ASSEMBLY	1140	PER 1004.4	332
TOTAL				1140		332

KEY PLAN



BUREAU OF ENGINEERING — OFFICIAL RECORD

BID SET SUBMITTAL

CITY OF LOS ANGELES — DEPARTMENT OF PUBLIC WORKS

BUREAU OF ENGINEERING — CITY OF LOS ANGELES

NO. REVISIONS: DATE: BY:

BUILDING NO.

INDEX NO. RP 300094

LICENSED ARCHITECT — ZOLTAN E. PALI — C-19741 — 5/31/2017 — STATE OF CALIFORNIA

CITY ENGINEER

GARY LEE MOORE, PE, ENV SP — CITY ENGINEER — DATE:

ARCHITECTURAL DIVISION — LIC. NO. C-19741

ARCHITECT: ZOLTAN E. PALI, FAIA
DESIGNED BY: ZEP
DRAWN BY: AOS
CHECKED BY: SM
APPROVED BY: MAHMOOD KARIMZADEH, A.I.A., PRINCIPAL ARCHITECT

VERTICAL CONTROL:
HORIZONTAL CONTROL:

SHEET TITLE: TENNIS GRANDSTAND - EVACUATION PLAN

PROJECT: RANCHO CIENEGA SPORTS COMPLEX

ADDRESS: 5001 RODEO ROAD
LOS ANGELES, CA 90016

WORK ORDER NO. E1907694

PLAN FILE NO.

DRAWING NO. G-010

SHEET OF SHEETS

PLOTTED: 12/22/2016 4:31:31 PM

REVISION DATES (DESIGN STAGE ONLY) — A

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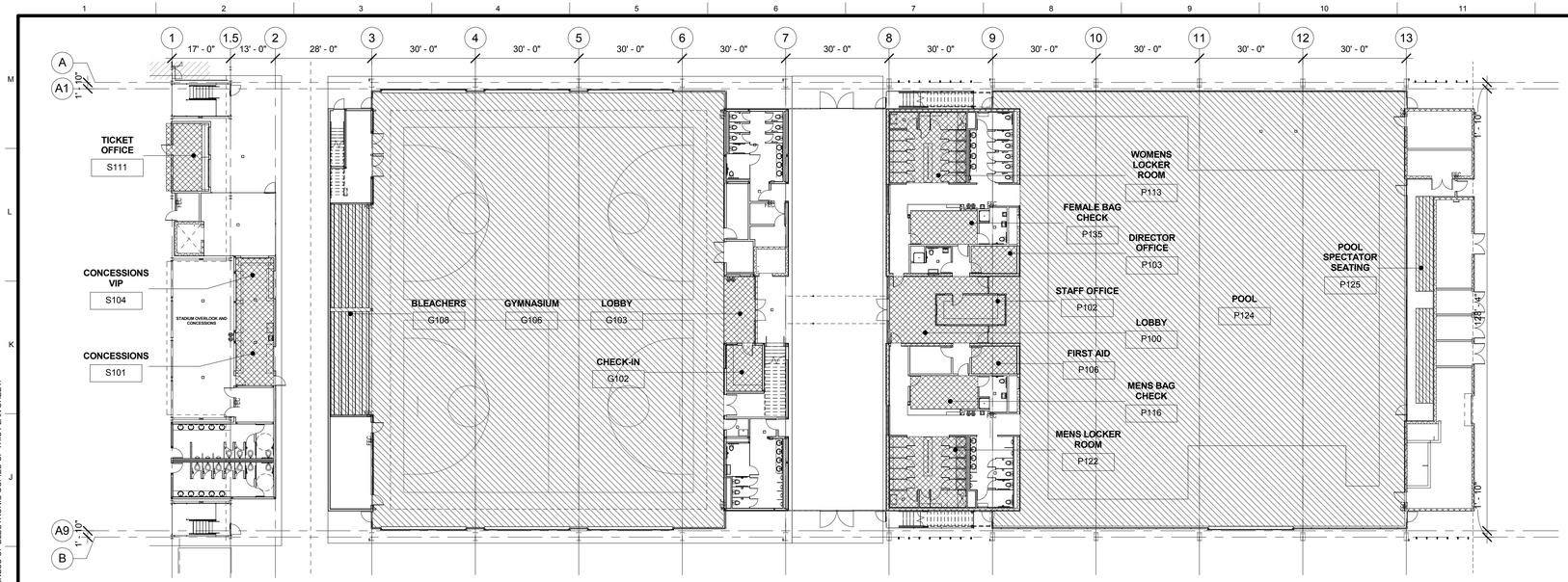
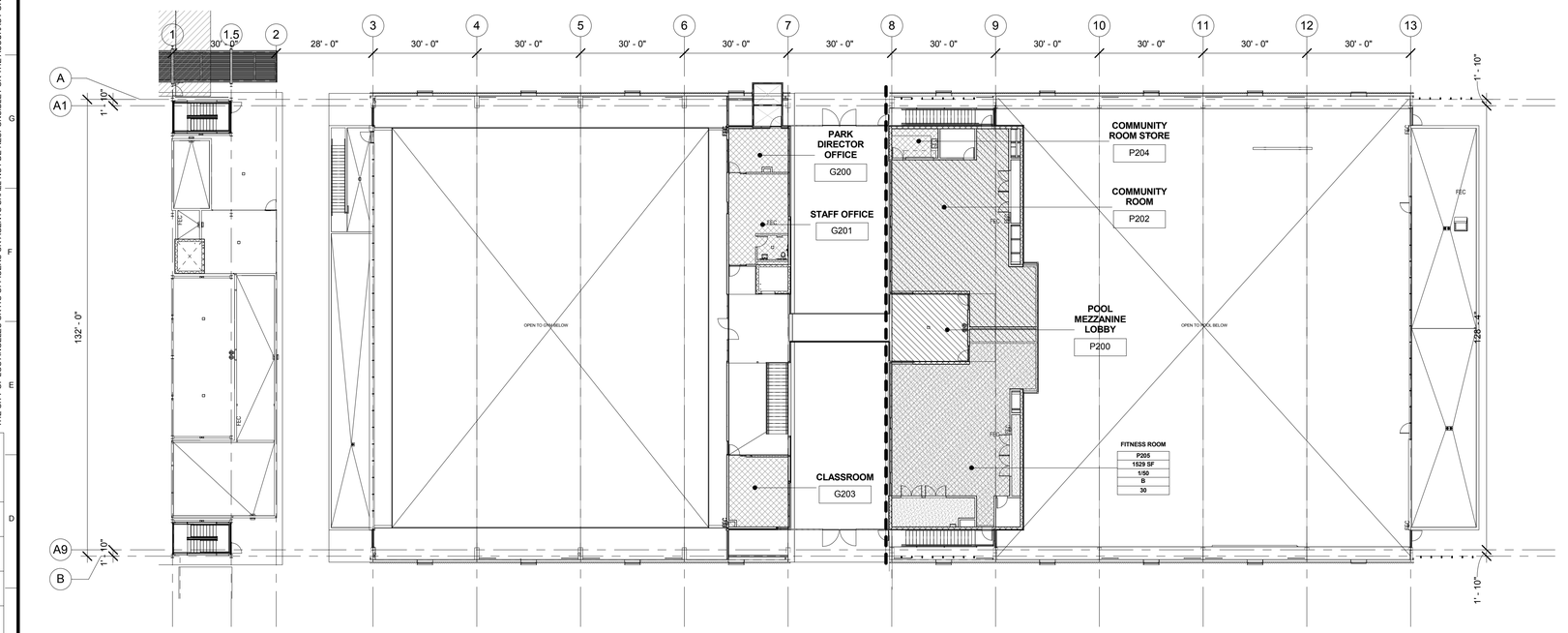


1 GROUND LEVEL PLAN
1" = 20'-0"



2 MEZZANINE LEVEL PLAN
1" = 20'-0"

PLUMBING FIXTURE COUNT CALCULATION

STADIUM OVERLOOK

ID	ROOM NAME	OCC	FUNCTION PER CPC 2013 TABLE-A	AREA (SF)	LOAD FACTOR	OCCUPANTS
S201B	GRANDSTAND	A	FIXED SEATING	N/A	120*	60
	EXISTING BLEACHERS	A	FIXED SEATING	N/A	1 PER 18"	2,124.4
A-OCC TOTAL						2,184.4
S100	TICKET OFFICE	B	STORAGE	202	200	1.01
S101	CONCESSIONS	B	BUSINESS	378	200	1.89
S104	CONCESSIONS VIP	B	BUSINESS	87	200	0.45
S201	PRESS BOX	B	BUSINESS	221	200	1.11
B-OCC TOTAL						4.46

* PER CPC 2013 TABLE-A
AUDITORIUMS, CONVENTION HALLS, DANCE FLOORS, HALLS, LODGE ROOMS, STADIUMS, AND CASINOS, USE 1/2 ONE-HALF THE NUMBERS OFIXED SITTING.

GYMNASIUM FIXTURE

ID	ROOM NAME	OCC.	FUNCTION PER CPC 2013 TABLE-A	AREA (SF)	LOAD FACTOR	OCCUPANTS
G106	GYMNASIUM	A	EXERCISE ROOMS	13,082	30	436.1
G108	BLEACHERS	A	ASSEMBLY	642	1 PER 18"	240.0
G204	INDOOR WALK. TRACK	A	EXERCISE ROOMS	2,932	30	97.7
A-OCC TOTAL						773.8
G103	LOBBY	B	BUSINESS AREAS	196	200	0.9
G102	CHECK IN	B	BUSINESS AREAS	138	200	0.7
G200	PARK DIRECTOR OFFICE	B	BUSINESS	217	200	1.1
G201	STAFF OFFICE	B	BUSINESS	449	200	2.2
G203	CLASSROOM	B	CLASSROOM AREA	353	200	1.7
B-OCC TOTAL						6.6

POOL FIXTURE

ID	ROOM NAME	OCC	FUNCTION PER CPC 2013 TABLE-A	AREA (SF)	LOAD FACTOR	OCCUPANTS
P100	LOBBY	A	LOBBY	509	30	16.9
P113	WOMENS LOCKER RM	A	EXERCISE ROOMS	371	30	12.3
P114	WOMENS LOCKER TOILET	A	EXERCISE ROOMS	265	30	8.8
P124	POOL	A	SWIMMING POOL	7,882	30	262.7
P123	POOL DECK	A	DECKS POOL	6,456	30	215.2
P125	POOL SPECTATOR	A	FIXED SEATS	555	1 PER 18"	200
P122	MENS LOCKER RM	A	EXERCISE ROOMS	404	30	13.4
P200	POOL MEZZ. LOBBY	A	ASSEMBLY W/O FIXED SEATS	506	30	18.6
P202	COMMUNITY ROOM	A	ASSEMBLY W/O FIXED SEATS	1,539	30	51.3
P201	POOL OBSERVATION DECK	A	ASSEMBLY W/O FIXED SEATS	506	15	33.7
A-OCC TOTAL						832.9
P100	LOBBY	B	BUSINESS AREAS	509	200	2.5
P102	STAFF OFFICE	B	BUSINESS AREAS	200	200	1
P103	DIRECTOR OFFICE	B	BUSINESS AREAS	104	200	0.5
P106	FIRST AID	B	BUSINESS AREAS	105	200	0.5
P116	MENS BAG CHECK	B	BUSINESS AREAS	193	200	0.9
P135	FEMALE BAG CHECK	B	BUSINESS AREAS	192	200	0.9
P204	COMMUNITY RM. STORE	B	BUSINESS	113	200	0.5
P205	FITNESS ROOM	B	EXERCISE ROOM	1,467	200	7.3
B-OCC TOTAL						14.1

REQ. FIXTURE COUNT FOR A-OCC.	MEN	WOMEN
TOILET	6	20
URINAL	9	N/A
LAVATORY	8	12
FOUNTAIN	4	
REQ. FIXTURE COUNT FOR B-OCC.		
TOILET	1	1
URINAL	1	N/A
LAVATORY	1	1
DRINKING FOUNTAIN	1	
TOTAL FIXTURE COUNT REQUIRED (OCC. A + OCC. B)		
TOILET	7	21
URINAL	10	N/A
LAVATORY	9	13
DRINKING FOUNTAIN	5	
TOTAL FIXTURE COUNT PROVIDED (OCC. A + OCC. B)		
TOILET	17	30
URINAL	15	N/A
LAVATORY	20	20
DRINKING FOUNTAIN	5	

FIXTURE LOAD FOR A-OCCUPANCY

STADIUM OVERLOOK + GYM + POOL = A-OCC.
(2184.4) + (773.8) + (832.9) = 3791.1 O.L.

3791.1 / 2 = 1896 MEN
3791.1 / 2 = 1896 WOMEN

FIXTURE LOAD FOR B-OCCUPANCY

STADIUM OVERLOOK + GYM + POOL = B-OCC.
(4.4) + (6.6) + (11.6) = 22.6 O.L.

22.6/2 = 12 MEN
22.6/2 = 12 WOMEN

OCCUPANT LOAD LEGEND

A - OCCUPANT LOAD CLASSIFICATION

B - OCCUPANT LOAD CLASSIFICATION

KEY PLAN

BUREAU OF ENGINEERING
OFFICIAL RECORD

ENGINEERING
CITY OF LOS ANGELES

BUREAU OF ENGINEERING

NO.	REVISIONS:	DATE:	BY:

BUILDING NO.

RP 300094

INDEX NO.

LICENSED ARCHITECT
ZOLTAN E. PALI
C-19741
5/31/2017
RENEW
STATE OF CALIFORNIA

BID SET SUBMITTAL

CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS

CITY ENGINEER
DATE:

GARY LEE MOORE, PE, ENV SP

ARCHITECTURAL DIVISION

ARCHITECT: ZOLTAN E. PALI, FAIA
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PROJECT: RANCHO CIENEGA SPORTS COMPLEX

ADDRESS: 5001 RODEO ROAD
LOS ANGELES, CA 90016

WORK ORDER NO.
E1907694

PLAN FILE NO.

DRAWING NO.
G-011

SHEET OF SHEETS

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ABBREVIATIONS

A ABOVE	ABV.	
ABOVE FINISH FLOOR	A.F.F.	
ACOUSTICAL CEILING TILE	A.C.T.	
ACCESS PANEL	ACP	
AGGREGATE	AGG.	
AIR CONDITION	A/C	
ALUMINUM	ALUM.	
ANODIZED	ANOD.	
AMERICAN CONCRETE INSTITUTE	A.C.I.	
AMERICAN INSTITUTE OF STEEL CONSTRUCTION	AISC or A.I.S.C.	
AMERICAN NATIONAL STANDARDS INSTITUTE	ANSI	
AMERICAN SOCIETY OF CIVIL ENGINEERS	ASCE	
AMERICAN SOCIETY OF TESTING AND MATERIALS	ASTM	
AMERICAN WELDING SOCIETY	AWS	
AMOUNT	AMT.	
AND	&	
ANCHOR BOLT	A.B.	
ANGLE	L	
APPROVED	APPD.	
APPROXIMATE	APPROX.	
ARCHITECT or ARCHITECTURAL	ARCH	
ASBESTOS	ASB.	
ASPHALT	ASPH.	
ASPHALTIC CONCRETE	A.C.	
ASPHALT TILE	A.T.	
ASSOCIATE	ASSOC.	
ASSOCIATION	ASSN.	
AT	@	
AUTOMATIC	AUTO	
AVENUE	AVE.	
B BASEMENT	BSMT.	
BEAM	BM	
BETWEEN	BET.	
BLOCK	BLK.	
BLOCKING	BLKG.	
BOARD	BD.	
BOTH WAYS	B.W.	
BOTTOM	BOT.	
BOTTOM OF JOINT	BOJ	
BOTTOM OF MULLION	BOM	
BOULEVARD	BLVD.	
BRACKET	BRKT.	
BRONZE	BRZ.	
BRITISH THERMAL UNITS	BTU	
BUILT-UP	BU	
BUILDING	BLDG.	
C CABINET	CAB.	
CAST IRON	C.I.	
CAST IRON PIPE	C.I.P.	
CATCH BASIN	C.B.	
CEILING	CLG.	
CEMENT	CEM.	
CENTER	CTR.	
CENTERLINE	CL OR ℄	
CENTER TO CENTER	C TO C	
CERAMIC TILE	C.T.	
CHALKBOARD	CK.BD.	
CHANGE	CHG.	
CHANNEL	CHAN. OR ⌴	
CLEAN OUT	C.O.	
CLEAR	CLR.	
COLUMN	COL.	
COMMON	COM.	
COMMUNICATION	COMM.	
COMPANY	CO.	
COMPOSITION	COMPO.	
CONCRETE	CONC.	
CONCRETE BLOCK	CONC. BLK.	
CONCRETE MASONRY UNIT	C.M.U.	
CONNECTION	CONN.	
CONSTRUCT or CONSTRUCTION	CONST.	
CONTINUOUS or CONTINUE	CONT.	
CONTRACT or CONTRACTOR	CONTR.	
CONTROL JOINT	C.J.	
CORNER	COR.	
CORRIDOR	CORR.	
COUNTERSINK	CSK.	
CARPET	CP.	
CERAMIC TILE	CT.	
CUBIC	CU.	
CUBIC FOOT	CU. FT.	
CUBIC FEET PER MINUTE	CFM	
CUBIC INCH	CU. IN.	
CUBIC YARD	CU. YD.	
CURB FACE	C.F.	
D DEGREE	DEG. or °	
DEPARTMENT	DEPT.	
DETAIL	DET.	
DIAGONAL	DIAG.	
DIAMETER	DIA. OR Ø	
DIMENSION	DIM.	
DISPENSER	DISP.	
DISTANCE	DIST.	
DIVISION	DIV.	
DOOR	DR.	
DOUBLE	DBL.	
DOWEL	DWL.	
DOWN	DN.	
DOWNSPOUT	D.S.	
DRAWING	DWG.	
DRINKING FOUNTAIN	DF.	
E EACH	EA.	
EAST	E.	
ELECTRIC OR ELECTRICAL	ELEC.	
ELEVATION	EL.	
ELEVATOR	ELEV.	
ELASTOMERIC MEMBRANE	E.M.	
EMERGENCY	EMER.	
EXPOSED CONSTRUCTION	E.C.	
END VERTICAL CURVE	E.V.C.	
ENAMEL	EN.	
ENGINEER	ENGR., ENG.	
EQUIPMENT	EQUIP.	
EQUAL	EQ.	
ESTIMATE	EST.	
EXCAVATE	EXC.	
EXISTING	EXIST.	
EXPANSION BOLT	E.B.	
EXPANSION JOINT	E.J.	
EXTERIOR	EXT.	
EXTRUDED	EXTR.	
EXTERIOR GRADE	EXT. GR.	
EYE WASH	E.W.	
F FACE OF CONCRETE	F.O.C.	
FACE OF MASONRY	F.O.M.	
FACTORY	FAC.	
FLUOROCARBON RESINOUS COATED	FCRC	
FACE OF STUD	F.O.S.	
FEET/FOOT	FT.	
FIREMAN'S PHONE JACK	F.J.	
FIGURE	FIG.	
FINISH	FIN.	
FINISH FACE	F.F.	
FIRE ALARM PULL	F.P.	
FIRE EXTINGUISHER	F.E.	
FIRE HOSE CABINET	F.H.C.	
FIRE HYDRANT	F.H.	
FLANGE	FLG.	
FLATHEAD WOOD SCREWS	F.H.W.S.	
FLOOR	FL.	
FLOOR DRAIN	F.D.	
FLOW LINE	F.L. or ℄	
FLOOR SINK	F.S.	
FOOTING	FTG.	
FOUNDATION	FND.	
FABRIC WALL COVERING	F.W.C.	
FABRIC WALL PANEL	F.W.P.	
G GALLON	GAL.	
GALVANIZED	GALV.	
GALVANIZED IRON	GI.	
GAGE	GA.	
GLASS	GL.	
GOVERNMENT	GOVT.	
GRAB BAR	G.B.	
GRANITE	GRAN.	
GRADE	GR.	
GRATING	GRTG.	
GYPSUM BOARD	GYP. BD.	
H HANDICAP	H/C	
HANGER	HGR	
HARDBOARD	HBD.	
HARDNER	HARD.	
HARDWARE	HDW.	
HARDWOOD	HWD.	
HEADER	HDR.	
HEXAGONAL	HEX.	
HEIGHT	HT.	
HIGH POINT	H.P.	
HOLLOW CORE	H.C.	
HOLLOW METAL	H.M.	
HORIZ. HOOK	HK.	
HORIZONTAL	HORIZ.	
HOSE BIBB	H.B.	
HOUR	HR.	
I I BEAM	I	
INCH	IN or "	
INFORMATION	INFO	
INSIDE DIAMETER	I.D.	
INSULATION	INSUL.	
INTERIOR	INT.	
INTERIOR GRADE	INT. GR.	
INTERMEDIATE	INTER.	
INVERT	INV.	
J JOINT	JT.	
JOIST	JST.	
K KIP	K	
L LABORATORY	LAB.	
LAMINATE	LAM.	
LANDING	LDG.	
LAVATORY	LAV.	
LEVEL	LEV.	
LIGHT	LT.	
LINOLEUM	LINO.	
LONG	LG.	
LUMBER	LUM.	
M MACHINE	MACH.	
MANHOLE	M.H.	
MANUFACTURER or MANUFACTURING	MFR.	
MINERAL FISSURED TILE	MFT	
MARK	MK.	
MASONRY OPENING	MO	
MATERIAL	MAT.	
MAXIMUM	MAX.	
MECHANICAL	MECH.	
MEDICINE CABINET	MC	
MEMBRANE WATERPROOFING	MWP	
METAL	MTL.	
MEZZANINE	MEZZ.	
MINIMUM	MIN.	
MISCELLANEOUS	MISC.	
MOULDING	MLDG.	
MOUNTED	MTD.	
N NATIONAL	NATL.	
NATIONAL BOARD OF FIRE UNDERWRITERS	NBFU	
NATIONAL ELECTRICAL CODE	NEC	
MANUFACTURERS ASSOC.	NEMA	
NATURAL	NAT.	
NATURAL GRADE	NAT. GR.	
NOMINAL	NOM.	
NORTH	N	
NOT IN CONTRACT	N.I.C.	
NOT TO SCALE	N.T.S.	
NUMBER	NO. or #	
O OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION	O.S.H.A.	
OFFICE	OFF.	
OVER FLOW DRAIN	OFD	
ON CENTER	O.C.	
OPENING	OPNG.	
OPPOSITE	OPP.	
OUTSIDE DIAMETER	O.D.	
OUTSIDE FACE CONCRETE	O.F.C.	
OUTSIDE FACE MASONRY	O.F.M.	
OUTSIDE FACE STUDS	O.F.S.	
OUT TO OUT	O TO O	
P PAIR	PR.	
PAINTED	PTD.	
PARTITION	PART.	
PEDESTAL	PED.	
PENNY	d	
PERFORATED	PERF	
PERPENDICULAR	PERP.	
PICKET FENCE	PF	
PIECE	PC.	
PIPE BOLLARD	P.B.	
PLASTER	PLAS.	
PLASTIC LAMINATE	P-LAM.	
PLATE	PL.	
PANEL	PNL.	
POINT	PT.	
PORTLAND CEMENT CONCRETE	P.C.C.	
POUND	LB. or #	
POWER POLE	P.P.	
PRECAST	PRCST.	
PREFABRICATED	PREFAB.	
PROPERTY	PROP.	
PROPERTY LINE	℄	
PULL CHAIN	P.C.	
POLYVINYL CHORIDE	PVC	
POLYURETHANE ENAMEL	PVE	
PLYWOOD	PLYWD.	
Q QUARRY TILE	QT	
R RADIUS	RAD.	
RISER	R.	
RUBBER BASE	R.B.	
RECTANGLE	RECT.	
REDWOOD	REDWD.	
REFER TO	RE	
REFLECTED CEILING PLAN	R.C.P.	
REFRIGERATOR	REF.	
REINFORCE or REINFORCING	REINF.	
REQUIRED	REQD.	
REVISION	REV.	
RIGHT-OF-WAY	R.O.W.	
ROOF	RF.	
ROOF DRAIN	R.D.	
ROOFING	RFG.	
ROOM	RM.	
ROUGH OPENING	RO.	
ROUND	RD.	
S SANITARY SEWER	SANT. SEW.	
SCHEDULE	SCH	
SECTION	SEC.	
SHEATHING	SHTHG.	
SHEET	SHT.	
SIMILAR	SIM.	
SINGLE	SGL.	
SOLID CORE	S.C.	
SOUTH	S.	
SPECIFICATION	SPEC.	
SPEAKER	SPK	
SQUARE	SQ.	
STAGGERED	STAGG.	
STAINLESS STEEL	SS	
STANDARD	STD.	
STEEL	STL.	
STIFFENER	STIFF.	
STIRRUP	STIR.	
SMOKE DETECTOR	S.D.	
STONE	STN.	
STRAIGHT GRADE	S.G.	
STREET	ST.	
STRUCTURAL	STRUCT'L.	
SUPPORT	SUPT.	
SURFACED 4 SIDES	S4S	
SUSPEND	SUSP.	
SYMBOL	SYM.	
SYMMETRICAL	SYMM.	
T TEMPERATURE	TEMP.	
TERRAZZO	TERR.	
THICK or THICKNESS	THK.	
TELEPHONE	TEL.	
THRESHOLD	THLD	
TONGUE AND GROOVE	T&G	
TOP OF	T.O.	
TOP OF BANK	T.O.B.	
TOP OF CURB	T.O.C.	
TOP OF FINISH	T.O.F.	
TOP OF GRATE	T.G.	
TOP OF JOINT	T.O.J.	
TOP OF MASONRY	T.O.M.	
TOP OF METAL DECK	T.M.D	
TOP OF PARAPET	T.O.P.	
TOP OF STEEL	TOS / T.O.S.	
TOP OF STRUCTURAL SLAB	T.S.S.	
TOP OF WALL	T.O.W.	
TREAD	T.	
TURNBUCKLE	TRNBKL.	
TYPICAL	TYP.	
U UNIFORM BUILDING CODE	U.B.C.	
UNDER CUT	UC	
UNLESS NOTED OTHERWISE	U.N.O.	
V VINYL COMPOSITION TILE	VCT	
VENTILATOR	VENT.	
VERTICAL	VERT.	
VESTIBULE	VEST.	
VEE JOINT	V JT.	
VOLUME	VOL.	
VERIFY IN FIELD	VIF	
VINYL WALL COVERING	VWC	
VINYL	VYN	
W WAREHOUSE	WHSE	
WATER CLOSET	WC	
WATER HEATER	W.H.	
WATERPROOF or WATERPROOFING	WP	
WATER RESISTANT	WR	
WEIGHT	WT.	
WELDED WIRE FABRIC	WWF	
WIDE FLANGE (STEEL)	W	
WEST	W.	
WITH	W/	
WOOD	WD.	
Y YARD	YD.	

MATERIALS SYMBOLS

EARTHWORKS
- EARTH/COMPACT FILL
- POROUS FILL/GRAVEL
- ROCK

CONCRETE
- CAST-IN-PLACE/ PRECAST
- LIGHT WEIGHT
- SAND/MORTAR/ PLASTER/CUT STONE

MASONRY
- EARTH/COMPACT FILL
- COMMON/FACE
- FIRE BRICK
- CONCRETE BLOCK
- GYPSUM BLOCK
- STRUCTURAL FACING TILE

STONE
- BLUESONE/SLATE/ SOAPSTONE/FLAGGING
- RUBBLE
- MARBLE

METAL
- ALUMINUM
- BRASS/BRONZE
- STEEL/ OTHER METALS

WOOD
- FINISH
- ROUGH
- BLOCKING
- HARDBOARD
- PLYWOOD - LARGE SCALE
- PLYWOOD - SMALL SCALE

GLASS
- GLASS
- STRUCTURAL
- GLASS BLOCK

INSULATION
- BAT/LOOSE FILL
- RIGID
- SPRAY/FOAM

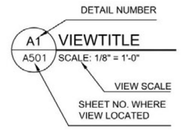
FINISHES PLAN AND SECTION INDICATIONS
- ACOUSTICAL TILE
- CERAMIC TILE - LARGE SCALE
- CERAMIC TILE - SMALL SCALE
- CARPET AND PAD
- GYPSUM WALL BOARD
- METAL LATH AND PLASTER
- PLASTIC
- RESILIENT FLOORING/ PLASTIC LAMINATE
- TERRAZZO

PARTITION INDICATIONS
- WOOD STUD
- METAL STUD
- SPECIAL FINISH FACE

ELEVATION INDICATIONS
- BRICK
- CERAMIC TILE
- CONCRETE/PLASTER
- GLASS
- SHEET METAL
- SHINGLES/SIDING

SYMBOL LEGEND

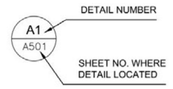
VIEW TITLE MARK



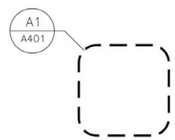
DETAIL TITLE MARK

NUMBER	DETAIL TITLE
SCALE	REFINFO

DETAIL REFERENCE



BLOW-UP DETAIL REFERENCE



COLUMN GRID LINES

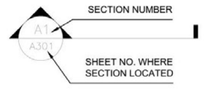
ALONG SIDES OF PLANS

ALONG TOP AND BOTT. OF PLANS

GRAPHIC SCALE

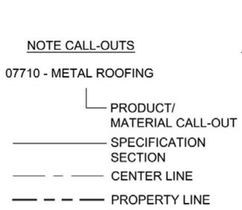
SCALE: 1/4" = 1'-0"

SECTION FLAG



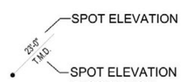
NORTH ELEVATION (FOR REFER. ONLY)

NOTE CALL-OUTS



FIRE EXTINGUISHER CABINET

SPOT ELEVATIONS

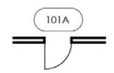


VERTICAL ELEVATION

INTERIOR ELEVATION

EXTERIOR ELEVATION

DOOR IDENTIFICATION



WINDOW IDENTIFICATION

EXIT SIGN

ROOM IDENTIFICATION

REVISION

FIRE ALARM PULL

KEYNOTE

CEILING HEIGHT

BUREAU OF ENGINEERING
ENGINEERING
CITY OF LOS ANGELES

BUILDING NO.

INDEX NO. RP 300094

NO. REVISIONS: DATE: BY:

LICENSED ARCHITECT ZOLTAN E. PALI C-19741 5/31/2017 STATE OF CALIFORNIA

BID SET SUBMITTAL

CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS

GARY LEE MOORE, PE, ENV SP CITY ENGINEER DATE:

ARCHITECTURAL DIVISION LIC. NO. C-19741

ARCHITECT: ZOLTAN E. PALI / FAIA DESIGNED BY: ZEP DRAWN BY: AOS CHECKED BY: SM APPROVED BY: MAHMOOD KARIMZADEH, A.I.A., PRINCIPAL ARCHITECT

VERTICAL CONTROL:
HORIZONTAL CONTROL:

SHEET TITLE: ABBREVIATIONS, MATERIALS SYMBOLS, SYMBOL LEGEND

PROJECT: RANCHO CIENEGA SPORTS COMPLEX

ADDRESS: 5001 RODEO ROAD LOS ANGELES, CA 90016

BUREAU OF ENGINEERING OFFICIAL RECORD

WORK ORDER NO. E1907694

PLAN FILE NO.

DRAWING NO. G-012

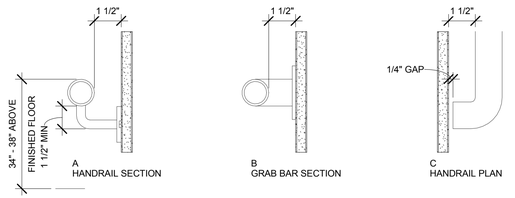
SHEET OF SHEETS

PLOTTED: 12/22/2016 4:31:51 PM

THE CITY OF LOS ANGELES OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF ELECTRONIC COPIES OF THIS PLAN SHEET.

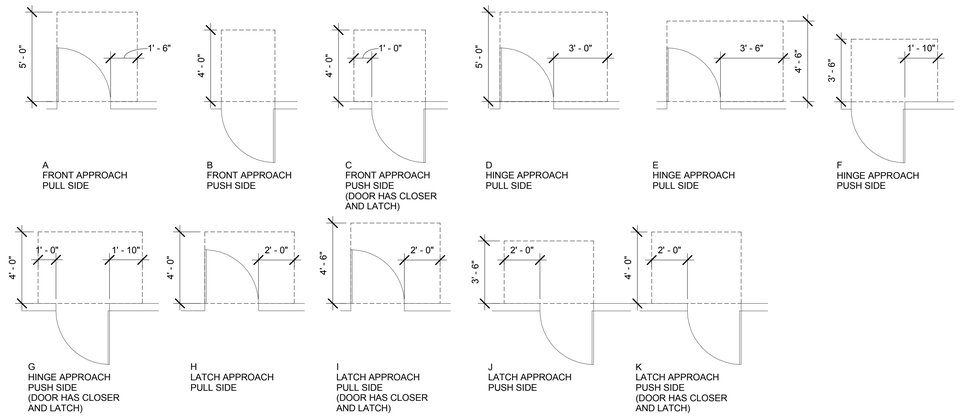
REVISION DATES (DESIGN STAGE ONLY)

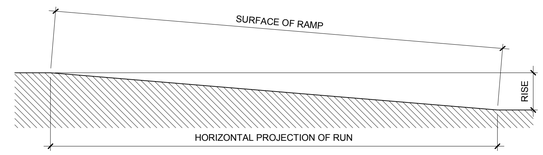
TEMPLATE SHEET REVISION DATE: 08/2014
REVISION DATE: 10/24/2016 5:30 PM FILE: Z:\14-018 RANCHO CIENEGA SPORTS COMPLEX\DRAWINGS\REVIT\LINKS-AUTOCAD\BOE_TITLEBLOCK_CD_90PERCENT.DWG



NOTES

1. HANDRAILS SHALL RETURN TO WALL OR FLOOR AS INDICATED IN DRAWINGS
2. HANDRAILS SHALL BE DESIGNED FOR 20 OR 50 POUNDS / FOOT LATERAL LOAD
3. PROVIDE AND INSTALL STRUCTURAL BACKING IN WALL FOR ALL HANDRAILS AND GRAB BARS
4. PIPE SUPPORT HANDRAIL AND GUARDRAIL CONNECTIONS SHALL HAVE EASED / SMOOTH TRANSITIONS. ELIMINATE ALL SHARP EDGES & PROTRUSIONS
5. HANDRAILS SHALL NOT ROTATE WITHIN THEIR FITTINGS
6. GRIPPING SUFACE SHALL BE UNINTERRUPTED AND THE END OF HANDRAILS SHALL BE EITHER ROUNDED OR RETURN SMOOTHLY TO THE FLOOR, WALL OR POST.
7. HANDRAILS SHALL EXTEND 12" BEYOND THE TOP AND BOTTOM RISER

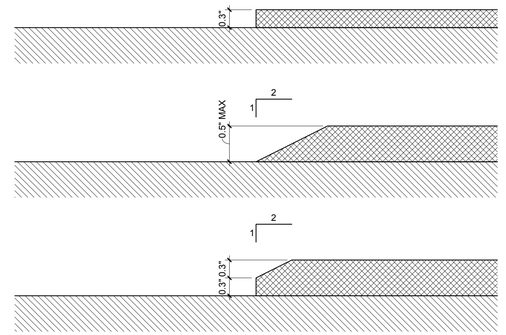




SLOPE	PERCENTAGE	RISE	PROJECTION
1:12	8.33%	30 INCHES	30 FEET
1:16	6.67%	30 INCHES	37.5 FEET
1:18	6.25%	30 INCHES	40 FEET
1:20	5.00%	30 INCHES	50 FEET

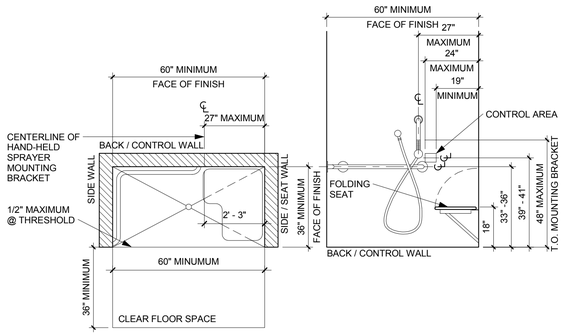
*CHANGES IN LEVEL GREATER THAN 1/2" IN HEIGHT ARE TO BE RAMPED

5 ADA - ACCESSIBLE RAMP LENGTH
1/4" = 1'-0"

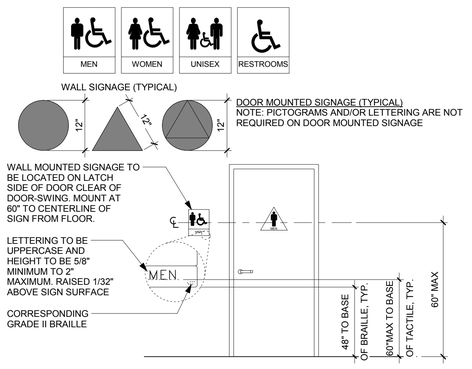


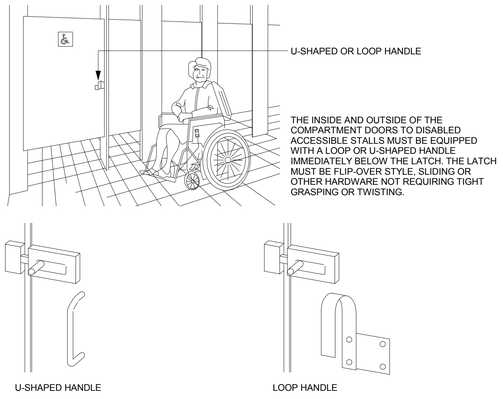
8 ADA - CHANGE IN LEVEL
12" = 1'-0"

1 ADA HANDRAIL
3" = 1'-0"



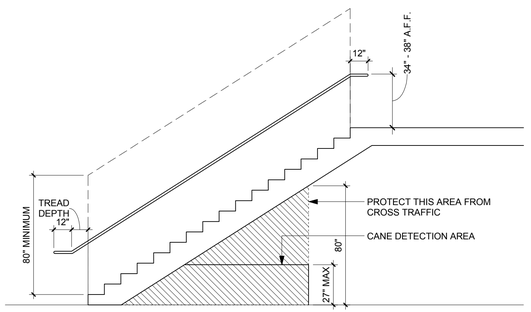
4 CLEAR FLOOR AREA REQUIRED AT DOORS AND GATES
1/4" = 1'-0"



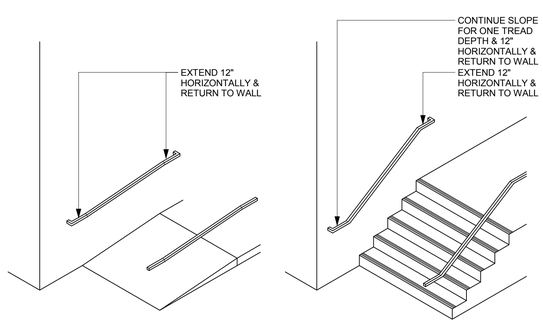


13 ADA - RESTROOM PARTITION HANDLES
12" = 1'-0"

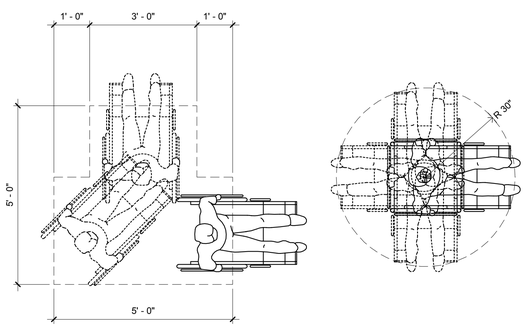
7 ADA - ACCESSIBLE SHOWER STALL
3/8" = 1'-0"



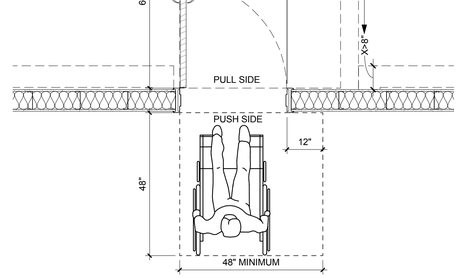
6 ADA - ACCESSIBLE RESTROOM SIGNAGE
1/4" = 1'-0"



*HAND RAILS SHALL OCCUR AT BOTH SIDES OF STAIRS AND RAMPS
**WHERE EXTENSION OF HANDRAIL AT BOTTOM AND TOP OF STAIR OR RAMP CREATES A HAZARD THE EXTENSION MAY BE TURNED 90 DEGREES



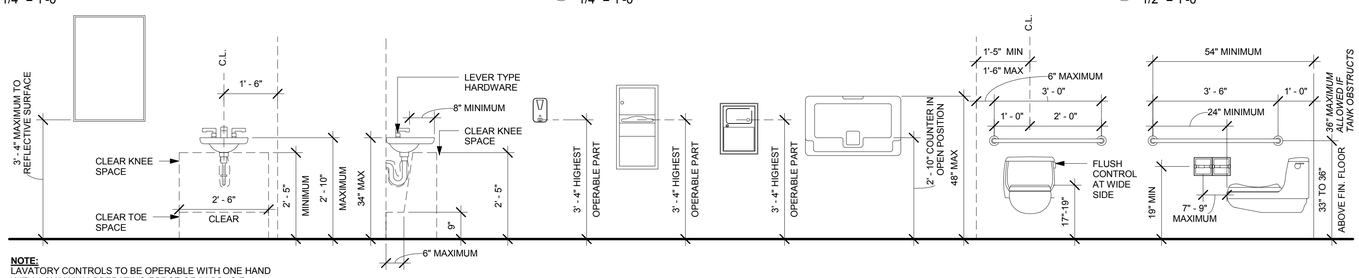
9 ADA - CLEARANCE AT DOORS
1/2" = 1'-0"



12 ADA - OVERHEAD CLEARANCE
1/4" = 1'-0"

11 ADA - HANDRAIL EXTENSIONS AT STAIRS
1/4" = 1'-0"

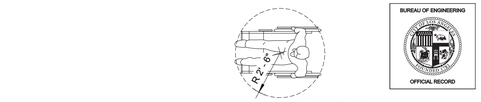
10 ADA - FLOOR AREA CLEARANCES
1/2" = 1'-0"

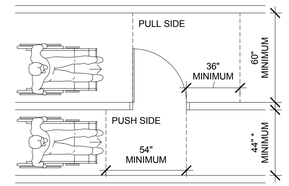


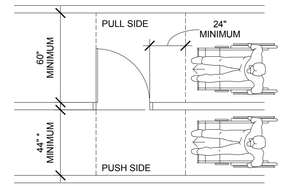
NOTE:
LAVATORY CONTROLS TO BE OPERABLE WITH ONE HAND WITH A MAXIMUM OPERATING FORCE OF 5 LBS / S.F.

HOT WATER SUPPLY AND DRAIN PIPING TO BE INSULATED OR COVERED

3 RESTROOM ACCESSIBILITY
1/2" = 1'-0"







2 ADA WHEELCHAIR MANUEVERING CLEARANCE
1/4" = 1'-0"

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CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS

BUREAU OF ENGINEERING

ENGINEERING
CITY OF LOS ANGELES

BUILDING NO.

INDEX NO. RP 300094

NO. REVISIONS: DATE: BY:

BUREAU OF ENGINEERING
CERTIFIED ARCHITECTURAL EXPERT
C-19741
5/31/2017
RENEWAL DATE
STATE OF CALIFORNIA

CITY ENGINEER
GARY LEE MOORE, PE, ENV SP
ARCHITECTURAL DIVISION
ARCHITECT: ZOLTAN E. PALI, FAIA
LIC. NO. C-19741
DESIGNED BY: ZEP
DRAWN BY: AOS
CHECKED BY: SM
APPROVED BY: MAHMOOD KARIMZADEH, A.I.A., PRINCIPAL ARCHITECT

BUREAU OF ENGINEERING
OFFICIAL RECORD

VERTICAL CONTROL:
HORIZONTAL CONTROL:

SHEET TITLE: ACCESSIBILITY DETAILS

PROJECT: RANCHO CIENEGA SPORTS COMPLEX

ADDRESS: 5001 RODEO ROAD
LOS ANGELES, CA 90016

WORK ORDER NO.
E1907694

PLAN FILE NO.

DRAWING NO.
G-013

SHEET OF SHEETS

PLOTTED: 12/22/2016 4:31:55 PM

REVISION DATES (DESIGN STAGE ONLY)

REVISION DATE: 10/24/2016 5:30 PM FILE: Z:\14-018 RANCHO CIENEGA SPORTS COMPLEX\DRAWINGS\REVITLINKS-AUTOCAD\BOE_TITLEBLOCK_CD_90PERCENT.DWG

TEMPLATE SHEET REVISION DATE: 08/2014

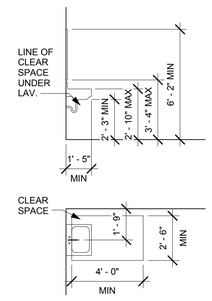
THE CITY OF LOS ANGELES OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF ELECTRONIC COPIES OF THIS PLAN SHEET.

ACCESSIBILITY NOTES CONT.

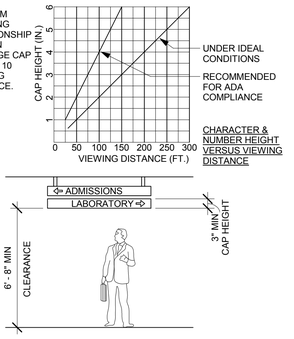
1. SPOUT OUTLETS MAX 36" AFF
2. SPOUT 15" MIN. FROM VERTICAL SUPPORT AND 5: MAX. FROM FRONT EDGE
3. SPOUT SHALL PROVIDE FLOW OF WATER 4" HIGH MIN.
4. SPOUT OUTLETS OF DRINKING FOUNTAINS FOR STANDING PERSONS BETWEEN 38" MIN. - 43" MAX. AFF
5. WALL AND POST MOUNTED CANTILEVERED DRINKING FOUNTAINS POSITIONED TO NOT ENCROACH INTO PEDESTRIAN PATHS
6. TOILET AND BATHING FACILITIES SHALL BE ACCESSIBLE AND CONNECTED BY AN ACCESSIBLE ROUTE TO AN ACCESSIBLE ENTRANCE
7. WHERE SEPERATE TOILET FACILITIES ARE PROVIDED, TOILET FACILITIES SERVING EACH USER GROUP SHALL BE ACCESIBLE
8. WHERE TOILET AND BATHING ROOMS ARE PROVIDED, EACH ROOM SHALL COMPLY WITH 11B-603
9. UNISEX TOILET ROOMSCONTAIN NO MORE THAN 1 LAVATORY, NOT MORE THAN 2 WATER CLOSETS WITHOUT A URINAL OR 1 WATER CLOSET AND 1 URINAL. BATHING ROOMS SHALL CONTAIN 1 SHOWER.
10. DOORS SHALL NOT SWING INTO CLEAR FLOOR SPACE OR CLEARANCE REQUIRED FOR ANY FIXTURE. DOOR CAN ENCROACH INTO TURNING SPACE 12" MAX.
11. SINGLE USER TOILET/BATHING ROOM DOORS PERMITTED TO SWING INTO CLEAR FLOOR SPACE OR CLEARANCE REQUIRED FOR ANY FICTURE ONLY IF 30"X48" MIN. CLEAR FLOOR SPACE IS PROVIDED WITHIN ROOM BEYOND ARC FOR SWING.
12. MIRRORS INSTALL WITHIN BOTTOM EDGE OF REFLECTING SURFACE 40" MAX. AFF (ABOVE LAVS) OR 35" MAX. AFF (NOT ABOVE LAVS)
13. COAT HOOOK LOCATED WITHIN REACH RANGES SPECIFIED IN 11B-308. SHELVES LOCATED 40" MAX AFF. MEDICINE CABINETS 44" MAX AFF
14. BATHROOM ACCESSORIES LOCATED ON AN ACCESSIBLE ROUTE. ALL OPERABLE PARTS 40" MAX AFF
15. SHOWER COMPARTMENTS SHALL COMPLY WITH 11B-608
16. 5% OF TOILET COMPARTMENTS (BUT NO FEWER THAN 1) COMPLY WITH 11B-604.8.1. WHERE 6 OR MORE COMPARTMENTS PROVIDED, EQ. NUMBER COMPLYINGWITH 11B-604.8.2 MUST BE PROVIDED (11B-604.8.1)
17. WHERE WATERCLOSETS ARE PROVIDED, AT LEAST 5% COMPLY WITH 11B-604
18. FLUSH CONTROLS HAND OPERATED OR AUTOMATIC. HAND OPERATED CONTROLS COMPLY WITH SECTION 11B-309.4 LOCATED 44" MAX AFF
19. WHEELCHAIR ACCESSIBLE TOILET COMPARTMENTS SHALL MEET THE REQUIREMENTS OF SECTIONS 11B-604.8.1 AND 11B-604.8.3
20. WHEELCHAIR ACCESSIBLE COMPARTMENT WITH INSWING DOOR, MIN 60"X36" DEEP MANEUVERING SPACE PROVIDED IN FRONT OF CLEAR REQUIRED
21. WHEEL CHAIR ACCESSIBLE COMPARTMENT WITH DOOR LOCATED IN SIDE WALL OR PARTITION, MIN 60" WIDE AND 60" DEEP MANEUVERING SPACE PROVIDED IN FRONT OF WATER CLOSET
22. WHEEL CHAIR ACCESSIBLE COMPARTMENTS WITH END OPENING DOOR LOCATED IN FRONT WALL OR PARTITION, MIN 60" X 48" MANEUVERING SPACE IN FRONT OF WATER CLOSET
23. TOILET COMPARTMENT DOORS AND HARDWARE COMPLY WITH 11B-404. IF APPROACH IS FROM PUSH SIDE, CLEARANCE BETWEEN DOOR SIDE AND OBSTRUCTION SHALL BE 48" MIN
24. DOOR PULL COMPLYING WITH 11B-404.2.7 PLACED ON BOTH SIDES OF DOOR NEAR LATCH
25. AT LEAST 1 SIDE PARTITION SHALL PROVIDE TOE CLEARANCE OF 9" MIN AFF AND 6" DEEP MIN BEYOND THE COMPARTMENT-SIDE FACE OF PARTITION
26. AMBULATORY ACCESSIBLE COMPARTMENTS TO HAVE A DEPTH OF 35" MIN AND 37" MAX
27. WATER CLOSETS AND TOILET COMPARTMENTS FOR CHILDRENS' USE COMPLY WITH 11B-604.9
28. A MINIMUM OF 10% OF THE URINALS MUST BE ACCESSIBLE
29. URINALS STALL TYPE OF WALL HUNG WITH RIM 17" MAX AFF. URINALS 13.5" DEEP MIN.
30. FLUSH CONTROLS HAND OPERATED OR AUTOMATIC. HAND OPERATED MUST COMPLY WITH 11B-309
31. 10% OF LAVATORIES SHALL BE ACCESSIBLE AND NOT LOAGTED IN TOILET COMPARTMENT
32. CLEAR FLOOR SPACE COMPLYING WITH 11B-305 FOR LAVATORIES AND SINKS, POSITIONED FOR FORWARD APPROACH, AND KNEE/TOE CLEARANCE COMPLYING WITH 11B-306
33. ENTRANCES LEADING TO TOILET ROOMS AND BATHING ROOMS COMPLY WITH 11B-603 AND WILL BE IDENTIFIED BY GEOMETRIC SYMBOL COMPLYING WITH 11B-703.7.2.6
34. PUBLIC TELEPHONES PROVIDED IN ACCORDANCE WITH 11B-217
35. ELEVATORS PROVIDED FOR PASSENGERS COMPLY WITH 11B-407

ACCESSIBILITY NOTES

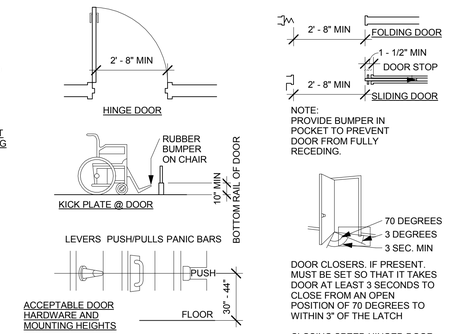
1. CHANGES IN LEVEL GREATER THAN 1/2" IN HEIGHT ARE TO BE RAMPED
2. ABRUPT CHANGES IN LEVEL EXCEEDING 4" IN HEIGHT B/W WALKS, SIDEWALKS, ADACENT SURFACES SHALL BE IDENTIFIED WITH WARNING CURBS AT LEAST 6" IN HEIGHT, OR BY GUARDS/HANDRAILS
3. OBJECTS BETWEEN 27"-80" AFF SHALL NOT PROTRUDE MORE THAN 4" INTO CIRCULATION PATH
4. FREESTANDING OBJECTS ON POSTS/PYLONS LOCATED 27"-80" AFF SHALL OVERHANG CIRCULATION PATHS NO MORE THAN 12"
5. PROTRUDING OBJECTS SHALL NOT REDUCE THE REQUIRED CLEAR WIDTH FOR ACCESIBLE ROUTES
6. LOWEST EDGE OF SIGN/OBSTRUCTION MOUNTED B/W POSTS 12" OR GREATER APART SHALL BE LESS THAN 27" OR GREATER THAN 80" AFF
7. VERTICAL CLEARANCE AT CIRCULATION PATHS SHALL BE AT LEAST 80" AFF (78" ACCEPTABLE AT DOOR CLOSERS AND DOOR STOPS)
8. GUARDRAILS OR BARRIERS W/ LEADING EDGE @ 27" MAX. AFF PROVIDED WHERE VERTICAL CLEARANCE ON CIRCULATION PATH IS LESS THAN 80"
9. DEVICE PROVIDED TO PREVENT HAZARD OR OVERHEAD OBSTRUCTION WHERE GUY SUPPORT IS USED WITHIN WIDTH OF CIRCULATION PATH OR 24" MAX OUTSIDE OF CIRCULATION PATH
10. ELECTRICAL CONTROLS AND SWITCHES INTENDED FOR USE BY OCCUPANTS LOCATED WITHIN ALLOWABLE REACH RANGES
11. ELECTRICAL RECEPTACLE OUTLETS AND COMMUNICATION SYSTEM RECEPTACLES LOCATED WITHIN ALLOWABLE REACH RANGES
12. HIGH UNOBSTRUCTED FORWARD REACH TO BE A MAX. OF 48" AND LOW FORWARD REACH TO BE A MIN. OF 15" AFF
13. HIGH FORWARD REACH TO BE A MAX. OF 48" AT 20" OR LESS REACH DEPTH, AND A MAX. OF 44" AT 20" OR MORE REACH DEPTH. REACH DEPTH TO NOT EXCEED 25"
14. HIGH SIDE REACH TO BE A MAX. OF 48" AND A MIN. OF 15" AFF WHERE UNOBSTRUCTED OR DEPTH OF OBSTRUCTION IS LESS THAN 10"
15. OBSTRUCTIONS FOR HIGH SIDE REACH WILL NOT EXCEED 34" HIGH AND 24" DEEP
16. OPERABLE PARTS SHALL BE OPERABLE WITH ONE HAND AND NOT REQUIRE TIGHT GRASPING, PINCHING OR TWISTING OF WRIST. FORCE REQUIRED TO USE OPERABLE PARTS TO NOT EXCEED 5LB
17. ALL ROUTES SHALL BE ACCESIBLE
18. A MIN. OF ONE ACCESSIBLE ROUTE CONNECTS EACH ACCESSIBLE BUILDING, FACILITY, ELEMENT AND SPACE ON THE SITE
19. A MIN. OF ONE ACCESSIBLE ROUTE CONNECTS EACH STORY OF THE BUILDING
20. ACCESSIBLE MEANS OF VERTICLE EGRESS PROVIDED WITHIN 200' OF TRAVEL OF EACH STAIR ON FLOORS EXCEEDING 10,000SF
21. ACCESSIBLE MEANS OF VERTICLE ACCESS PROVIDED WITHIN 200' OF TRAVEL OF EACH STAIR
22. A MIN. OF ONE ACCESSIBLE ROUTE CONNECTS THE ACCESSIBLE BUILDING ENTRANCE WITH ALL ACCESSIBLE PARTS AND ELEMENTS WITHIN THE BUILDING
23. ACCESSIBLE ROUTES SHALL COINCIDE WITH OR BE LOCATED IN THE SAME AREA AS GENERAL CIRCULATION PATHS
24. CURB RAMPS HAVE DETECTABLE WARNINGS THAT EXTEND 36" IN DIRECTION OF TRAVEL FOR THE FULL WIDTH OF THE RAMP RUN LESS THAN 2" MAX ON EACH SIDE
25. ON PERPINDICULAR CURB RAMPS, DETECTABLE WARNING SHALL BE LOCATED SO EDGE NEAREST CURB IS 6"-8" FROM LINE AT FACE OF CURB MARKING TRANSITION B/W CURB AND GUTTER/STREET/HIGHWAY
26. ISLANDS OR MEDIANS 96" OR LONGER IN DIRECTION OF TRAVEL SHALL HAVE DETECTABLE WARNINGS PER CODE
27. WALKS THAT CROSS OR ADJOIN VEHICULAR TRAFFIC ROUTES SHALL BE SEPERATED BY DETECTABLE WARNINGS, CURBS, RAILINGS OR OTHER ELEMENTS
28. DETECTABLE WARNINGS PROVIDED (SEE NOTE 27 ABOVE) SHALL BE 38" WIDE AND CONTINUOUS AT BOUNDARY B/W PEDESTRIAN AND VEHICULAR AREAS
29. VISUAL CONTRAST DETECTABLE WARNING SURFACES COMPLY WITH 11B-705.1.1.3.1 OR 11B-705.1.1.3.2
30. DETECTABLE WARNING SURFACES SHALL BE YELLOW (APPROXIMATELY FS-33538)
31. DETECABLE WARNING SURFACES PROVIDE 70% MIN. VISUAL CONTRAST WITH ADJACENT WALKING SURFACES
32. ENTRANCES PROVIDED IN ACCORDANCE WITH 11B-206.4. DOORS AND GATES COMPLY WITH 11B-404 AND ARE LOCATED ON ACCESSIBLE ROUTE COMPLYING WITH 11B-402
33. ENTRANCES AND EXTERIOR GROUND FLOOR EXITS COMPLY WITH 11B-402
34. ACCESS FROM PARKING STRUCTURE TO BUILDING COMPLIES WITH 11B-404
35. CONNECTIONS TO OTHER FACILITIES SHALL PROVIDE ACCESSIBLE ROUTE COMPLYING WITH 11B-404
36. ACCESSIBLE ROUTES SHALL CONSIST OF: WALKING SURFACES WITH RUNNING SLOPE NOT STEEPER THAN 1:20, DOORWAYS, RAMPS, CURB RAMPS, ELLEVATORS AND PLATFORM LIFTS
37. RUNNING SLOPES OF WALKING SURFACES NOT STEEPER THAN 1:20. CROSS SLOPE NOT STEEPER THAN 1:48
38. EX. AT TURNS OR PASSING SPACES, CLEAR WIDTH OF WALKING SURFACES IS 36" MIN.
39. CLEAR WIDTH FOR WALKING SURFACES IN CORRIDORS SERVING OCC LOAD OF 10 OR MORE SHALL BE A MIN. OF 44"
40. CLEAR WIDTHS FOR SIDEWALKS AND WALKWAYS SHALL BE A MIN. OF 48"
41. CLEAR WIDTH FOR AISLES SHALL BE A MIN OF 36" IF SERVING ELEMENTS ARE ON ONE SIDE. IF SERVING ELEMENTS ARE ON BOTH SIDES, THE MIN. CLEAR WIDTH SHALL BE 44"
42. CLEAR WIDTH FOR ACCESSIBLE ROUTES TO ACCESSIBLE TOILET COMPARTMENTS SHALL BE 44" EXCEPT FOR DOOR OPENING WIDTHS AND SWINGS
43. DOORS, DOORWAYS AND GATES PROVIDING USER PASSAGE PROVIDED IN ACCORDANCE WITH 11B-206.5
44. DOORS, DOORWAYS AND GATES THAT ARE PART OF AN ACCESSIBLE ROUTE COMPLY WITH 11B-404
45. ACTIVE LEAVES OF DOORS COMPLY WITH 11B-404.2.3
46. DOOR OPENINGS PROVIDE A MIN. CLEAR WIDTH OF 32"
47. MIN. MANEUVERING CLEARNACE AT DOORS AND GATES COMPLY WITH 11B-404.2.4 AND EXTEND FULL WIDTH OF DOORWAY
48. SWING DOORS AND GATES HAVE MANEUVERIGN CLEARANCE COMPLYING WITH 11B-404.2.4.1
49. DOORWAYS MORE THAN 36" WIDE WITHOUT DOORS HAVE MANEUVERING CLEARNACES COMPLING WITH TABLE 11B-404.2.4.2
50. MANEUVERING CLEARNACE FOR FORWARD APPROACH PROVIDED WHEN ANY OBSTRUCTION WITHIN 18" OF LATCH SIDE OF INTERIOR DOOR OR WITHIN 24" OF LATCH SIDE OF EVTERIOR DOORWAY PROJECTS 8" OR MORE BEYOND THE FACE OF THE DOOR
51. THRSHOLDS AT DOORWAYS SHALL BE A MAX. OF 1/2" IN HEIGHT
52. OPERABLE PARTS OF DOORS AND GATES COMPLY WITH 11B-309.4 OPERATION, OPERABLE PARTS 34" - 44" AFF
53. FORCE FOR PUSH/PULL DOORS SHALL BE A MAX. OF 5LB FOR INTERIOR HINGED DOORS, SLIDING/FOLDING DOORS AND EXTERIOR HINGED DOORS. FORCE SHALL BE NTE 15LB FOR REQUIRED FIRE DOORS.
54. SWINGING DOORS SHALL HAVE SMOOTH SURFACE TO PUSH SIDE EXTENDING FULL WIDTH OF DOOR
55. RAMP RUNNING SLOPES SHALL NOT EXCEED 1:12
56. RAMP CROSS SLOPES SHALL NOT EXCEED 1:48
57. FLOOR OF RAMP RUNS COMPLY WITH 11B-302. CHGS IN LEVEL OTHER THAN RUN/CROSS SLOPE NOT PERMITTED
58. CLEAR WIDTH OF RAMP RUNS SHALL BE A MIN. OF 48"
59. RISE FOR ANY RAMP RUN SHALL NOT EXCEED 30"
60. RAMPS HAVE LANDINGS AT TOP AND BOTTOM OF EACH RAMP RUN
61. LANDING CLEARANCE WIDTH SHALL BE AT LEAST AS WIDE AS LARGEST WIDTH OF RAMP RUN
62. TOP LANDING OF RAMPS SHALL BE A MIN. OF 60" WIDE
63. TOP LANDING OF RAMPS SHALL HAVE A MIN. CLEAR LENGTH OF 60"
64. BOTTOM LANDINGS OF RAMPS SHALL EXTEND A MIN. OF 72" IN DIRECTION OF RAMP RUN
65. RAMPS THAT CHANGE DIRECTION BETWEEN RUNS AT LANDINGS HAVE CLEAR LANDINGS OF 60" MIN. BY 72" MIN. IN DIRECTION OF DOWNWARD TRAVEL
66. AT DOORWAYS ADJACENT TO LANDINGS MANEUVERING CLEARANCED CAN OVERLAP REQUIRED LANDING AREA. WHEN OPEN, DOORS SHALL NOT REDUCE REQUIRED RAMP LANDING WIDTH BY MORE THAN 3" OR REDUCE THE MIN. DIMENSION OF RAMP LANDING TO LESS THAN 42"
67. ALL RAMP RUNS HAVE COMPLIANT HANDRAILS
68. EDGE PROTECTION COMPLYING WITH 11-B405.9.2 PROVIDED ON EACH SIDE OF RAMP RUNS AND AT EACH SIDE OF RAMP LANDINGS
69. 2" HIGH MIN. CURB OR BARRIER PROVIDED ALONG LENGTH OF RAMPS
70. LANDINGS SUBJECT TO WET CONDITIONS DESIGNED TO PREVENT WATER ACCUMULATION
71. HANDRAILS CONTINUOUS WITHIN FULL LENGTH OF EACH STAIR AND RAMP RUN
72. TOP OF HANDRAILS SHALL BE 34"-38" (CONSISTENT HEIGHT) ABOVE WALKING SURFACE, NOSING OR RAMP SURFACE
73. A STAIR DEFINED AS A CHANGE IN ELEVATION MUST CONSIST OF 1 OR MORE RISERS
74. STEPS ON ANY FLIGHTS OF STAIRS MUST HAVE UNIFORM RISER HEIGHTS AND TREAD DEPTHS. REFER TO 14/A0.10
75. OPEN RISERS NOT PERMITTED
76. INTERIOR STAIRS HAVE UPPER APPROACH AND LOWER TREAD MARKED BY STRIPE PROVIDING CLEAR VISUAL CONTRAST
77. RADIUS CURVATURE AT LEADING EDGE OF TREAT SHALL BE 1/2" MAX. NOSINGS PROJECTING BEYOND RISERS SHALL HAVE AN UNDERSIDE OF LEADING EDGE CURVED/BEVELED. RISERS CAN SLOPE UNDER TREAD. NOSING PROJECTION 1 1/4" MAX.
78. STAIRS HAVE HANDRAILS COMPLYING W/ SECTION 11B-505.
79. STAIR TREADS/LANDINGS SUBJECT TO WET CONDITIONS DESIGNED TO PREVENT WATER ACCUMULATION
80. PERPINDICULAR RAMP RUNS HAVE RUNNING SLOPE NOT STEEPER THAN 1:12
81. FOR PERPINDICULAR RAMP, CURB RAMP FLARES NOT STEEPER THAN 1:10
82. RUNNING SLOP OF CURB RAMP SEGMENTS IN LINE WITH DIRECTION OF SIDEWALK TRAVEL. RAMP RUNS SHAVE RUNNING SLOPE NOT STEEPER THAN 1:12
83. TURNING PACE 48"X48" MIN. PROVIDED AT BASE OF CURB RAMP. SLOPE OF TURNING SPACE IN ALL DIRECTIONS SHALL BE 1:48" MAX.
84. BELDED TRANSITION RAMPS SHALL HAVE RUNNING SLOPE NOT STEEPER THAN 1:20
85. CURB RAMPS AND FLARED SIDES OF RAMPS LOCATED SO THEY DO NOT PROJECT INTO VEHICULAR TRAFFIC LANES, PARKING SPACES OR PARKING ACCESS AISLES.
86. CLEAR WIDTH OF CURB RAMP RUNS, BLENDED TRANSITIONS AND TURNING SPACES ARE A MIN. OF 48"
87. LANDINGS PROVIDED AT TOP OF CURB RAMP RUNS AND BLENDED TRANSITIONS. LANDING CLEAR LENGTH SHALL BE 48" MIN.
88. GRADE BREAKS AT TOP AND BOTTOM OF CURB RAMP RUNS ARE PERPINDICULAR TO DIRECTION OF RAMP RUNS, NOT PERMITTED ON SURFACE OF RAMP RUNS
89. CROSS SLOPE OF CURB RAMPS HAVE CLEAR SPACE 48" MIN. OUTSIDE ACTIVE TRAFFIC LANES OF ROADWAY
90. COUNTER SLOPES OF ADJOINING GUTTERS AND ROAD SURFACES IMMEDIATELY ADJACENT TO AND WITHIN 24" OF CURB RAMP NOT STEEPER THAN 1:20
91. BASE OF DIAGONAL CURB RAMPS HAVE CLEAR SPACE 48" MIN. OUTSIDE ACTIVE TRAFFIC LANES OF ROADWAY
92. CURB RAMPS AND BLENDED TRANSITIONS SHALL HAVE DETECTABLE WARNINGS COMPLYING WITH 11B-705
93. RAISED ISLANDS IN CROSSING CUT THROUGH LEVEL WITH STREET OR HAVE CURB RAMPS ON BOTH SIDES. CLEAR WIDTH ACCESSIBE ROUTE AT ISLANDS SHALL BE A MIN. OF 60"
94. ACCESS AISLES SHALL NOT OVERLAP THE VEHICULAR WAY. PASSENGER ACCESS AISLES SHALL BE ON PASSENGER SIDE
95. PEDESTRIAN SIGNS IN PARKING FACILITY SHALL COMPLY WITH SECTION 11B-216
96. NO FEWER THAN 2 DRINKING FOUNTAINS PROVIDED, ONE SHALL BE ACCESSIBLE
97. IF MORE THAN MIN. NUMBER OF DRINKING FOUNTAINS IS PROVIDED, HALF OF THE TOTAL NUMBER SHALL BE ACCESSIBLE
98. DRINKING FOUNTAINS SHALL COMPLY WITH 11B-307 AND 11B-602
99. UNITS HSALL HAVE CLEAR FLOOR/GROUND SPACE COMPLYING WITH 11B-305 AND 11B-306
100. WHERE DRINKING FOUNTAIN IS USED BY CHILDREN, PARALLEL APPROACH COMPLYING WITH 11B-305 PERMITTED AT UNITS WHERE SPOUT IS 30" MAX. AFF AND 3.5" FROM FRONT EDGE



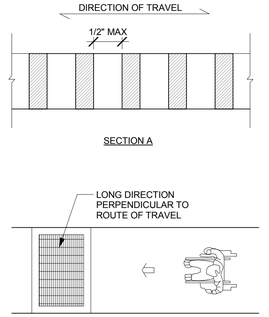
1 ADA - LAVATORY CLEAR SPACE
1/4" = 1'-0"



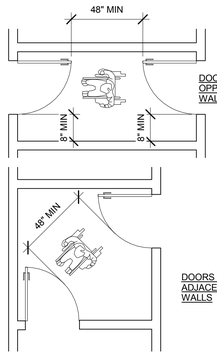
2 ADA - TYPICAL OVER HEAD SIGNAGE
1/4" = 1'-0"



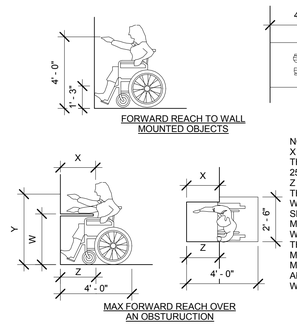
3 ADA - DOORS
1/4" = 1'-0"



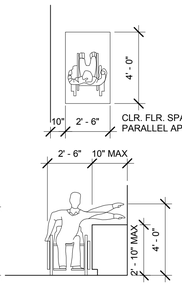
4 ADA - ACCESSIBLE GRATING REQUIREMENTS
1/4" = 1'-0"



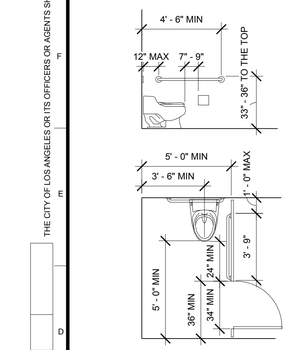
6 ADA - VESTIBULES
1/4" = 1'-0"



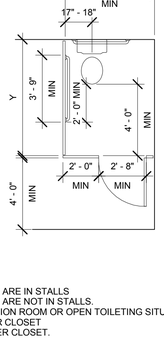
7 ADA - FORWARD REACH RANGE
1/4" = 1'-0"

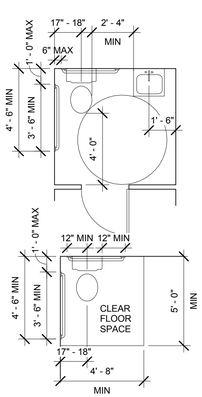


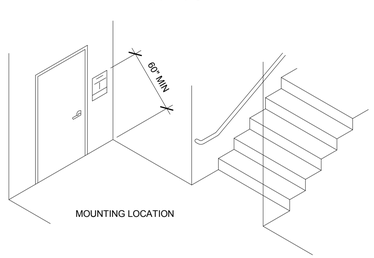
8 ADA - SPACE ALLOWANCE REACH RANGE TO OBJECTS
1/4" = 1'-0"



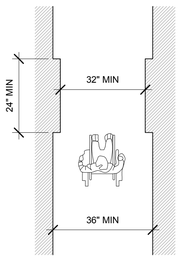
5 ADA - TOILET COMPARTMENT
1/4" = 1'-0"



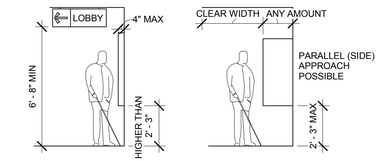




11 ADA - STAIR IDENTIFICATION SIGNAGE
1/4" = 1'-0"

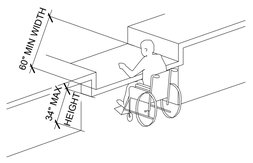


10 ADA - MIN CORRIDOR CLEARANCES
1/4" = 1'-0"

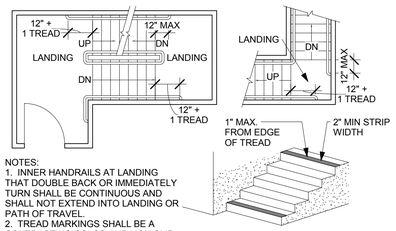


9 ADA - PROTRUDING OBJECTS
1/4" = 1'-0"

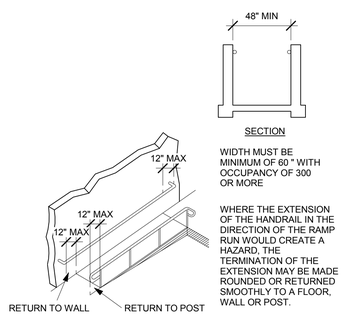
IN RESTAURANTS AND CAFETERIAS, WHERE FOOD OR DRINK IS SERVED AT COUNTERS EXCEEDING 34" IN HEIGHT FOR CONSUMPTION BY CUSTOMERS SEATED ON STOOLS OR STANDING AT THE COUNTER, A PORTION OF THE MAIN COUNTER WHICH IS A MINIMUM OF 60" IN LENGTH SHALL BE PROVIDED WHICH IS A MAXIMUM OF 34" IN HEIGHT, ' AND PROVIDES KNEE CLEARANCE THAT IS AT LEAST 27" HIGH, 19" DEEP, AND 3D" WIDE.



12 ADA - MIN COUNTER ACCESS DIMENSIONS
1/4" = 1'-0"



13 ADA - HANDRAIL EXTENSIONS
1/4" = 1'-0"



14 ADA - HANDRAIL AT RAMPS
1/4" = 1'-0"

ENGINEERING
CITY OF LOS ANGELES
BUREAU OF ENGINEERING

NO.	REVISIONS:	DATE:	BY:

BUILDING NO.

INDEX NO. RP 300094

LICENSED ARCHITECT JOHN ZOLTAN EMEI C-19741 5/31/2017 RENEWAL STATE OF CALIFORNIA

BID SET SUBMITTAL

CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS

GARY LEE MOORE, PE, ENV SP CITY ENGINEER
DATE:
ARCHITECT: ZOLTAN E. PALI, FAIA LIC. NO. C-19741
DESIGNED BY: ZEP DRAWN BY: AOS CHECKED BY: SM APPROVED BY: MAHMOOD KARIMZADEH, A.I.A., PRINCIPAL ARCHITECT

VERTICAL CONTROL:
HORIZONTAL CONTROL:

SHEET TITLE: ADA - ACCESSIBILITY DETAILS

PROJECT: RANCHO CIENEGA SPORTS COMPLEX
ADDRESS: 5001 RODEO ROAD LOS ANGELES, CA 90016

WORK ORDER NO. E1907694
PLAN FILE NO.
DRAWING NO. G-014
SHEET OF SHEETS

BUREAU OF ENGINEERING OFFICIAL RECORD

PLOTTED: 12/22/2016 4:31:59 PM

REVISION DATES (DESIGN STAGE ONLY)

TEMPLATE SHEET REVISION DATE: 08/2014
REVISION DATE : 10/24/2016 5:30 PM FILE: Z:\14-018 RANCHO CIENEGA SPORTS COMPLEX\DRAWINGS\REVIT\LINKS:AUTOCAD\BOE_TITLEBLOCK_CD_90PERCENT.DWG

THE CITY OF LOS ANGELES OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF ELECTRONIC COPIES OF THIS PLAN SHEET.

LA DBS DEPARTMENT OF BUILDING AND SAFETY

2014 Los Angeles Green Building Code

FORM GRN 5

MANDATORY REQUIREMENTS CHECKLIST

NEWLY CONSTRUCTED NON-RESIDENTIAL BUILDINGS

(COMPLETE AND INCORPORATE THIS FORM INTO THE PLANS)

Permit # _____ - _____ - _____ Date: _____

ITEM #	CODE SECTION	REQUIREMENT	REFERENCE SHEET Sheet # or N/A	COMMENTS e.g. note #, detail # or reason for N/A
		PLANNING AND DESIGN		
1	5.106.1	**Storm water pollution prevention**		
2	5.106.4.1.1	**Short-term bicycle parking**		
3	5.106.4.1.2	**Long-term bicycle parking**		
4	5.106.5.2	**Designated parking**	C-100	
5	5.106.5.3	**Electric vehicle charging**	A-101	
6	5.106.8	**Light pollution reduction**		
7	5.106.10	**Grading and paving**	L-1.8	
8	5.106.11	**Hardscape alternatives**	L-1.8	
		ENERGY EFFICIENCY		
9	5.211.1	**Solar ready buildings**	C-	
		WATER EFFICIENCY & CONSERVATION		
10	5.303.1.1	**New buildings in excess of 50,000 sqft**		
11	5.303.1.2	**Excess consumption**		
12	5.303.2	**Water reduction**		
13	5.303.3	**Water conserving plumbing fixtures and fittings**		
14	5.303.3.3	**Showerheads**		
15	5.304.1	**Outdoor water use in landscape areas**		
16	5.304.3	**Irrigation controller and sensor application**		
17	5.304.4	**Outdoor water use meters**	L-6.00	
18	5.304.5	**Exterior faucets**	L-6.10-6.11	
19	5.305.1	**Graywater ready**		
20	5.305.2	**Recycled water supply to fixtures**		
21	5.305.3	**Cooling towers**		
22	5.305.4	**Groundwater discharge**		
		MATERIAL CONSERVATION & RESOURCE EFFICIENCY		
23	5.407.1	**Weather protection**		
24	5.407.2.1	**Sprinklers**		
25	5.407.2.2.1	**Nonabsorbent floor and wall finishes**		
26		**Exterior door protection**		
27	5.407.2.2.2	**Flashing**		
28	5.408.1	**Construction waste diversion**		
29	5.408.3	**Excavated soil and land clearing debris**		
30	5.410.1	**Recycling by occupants**		
31	5.410.2	**Commissioning (> 10,000 sq ft.)**		

LA DBS DEPARTMENT OF BUILDING AND SAFETY

2014 Los Angeles Green Building Code

FORM GRN 5

ITEM #	CODE SECTION	REQUIREMENT	REFERENCE SHEET Sheet # or N/A	COMMENTS e.g. note #, detail # or reason for N/A
32	5.410.2.1	– **Owner's Project Requirements (OPR)**		
33	5.410.2.2	– **Basis of Design (BOD)**		
34	5.410.2.3	– **Commissioning plan**		
35	5.410.2.4	– **Functional performance testing**		
36	5.410.2.5.1	– **Systems manual**		
37	5.410.2.5.2	– **Systems operations training**		
38	5.410.2.6	– **Commissioning report**		
39	5.410.4	**Testing and adjusting (< 10,000 sq ft)**		
40	5.410.4.2	– **Systems**		
41	5.410.4.3	– **Procedures**		
42	5.410.4.3.1	– **HVAC balancing**		
43	5.410.4.4	– **Reporting**		
44	5.410.4.5	– **Operation and maintenance manual**		
45	5.410.4.5.1	– **Inspections and reports**		
		ENVIRONMENTAL QUALITY		
46	5.503.1	**Fireplace and Woodstoves**		
47	5.504.1.3	**Temporary ventilation**		
48	5.504.3	**Covering of duct openings and protection of mechanical equipment during construction**		
49	5.504.4	**Finish material pollutant control**		
50	5.504.4.1	– **Adhesives, sealants, and caulks**		
51	5.504.4.3	– **Paints and coatings**		
52	5.504.4.3.1	– **Aerosol paints and coatings**		
53	5.504.4.3.2	– **Verification**		
54	5.504.4.4	**Carpet systems**		
55	5.504.4.4.1	**Carpet cushion**		
56	5.504.4.5	**Composite wood products**		
57	5.504.4.6	**Resilient flooring systems**		
58	5.504.5.3	**Filters**		
59	5.504.7	**Environmental tobacco smoke (ETS) control**		
60	5.505.1	**Indoor moisture control**		
61	5.506.2	**Carbon dioxide (CO_2) monitoring**		
62	5.507.4.1	**Exterior noise transmission prescriptive method**		
63		– **Exterior noise transmission for roof**		
64		– **Exterior noise transmission for walls**		
65		– **Exterior noise transmission for windows**		
66	5.507.4.2	**Exterior noise transmission performance method**		
67	5.507.4.3	**Interior sound transmission**		
68	5.508.1	**Ozone depletion and greenhouse gas reductions**		
69	5.508.2	**Supermarket refrigerant leak reduction**		

LA DBS DEPARTMENT OF BUILDING AND SAFETY

Basis of Design (BOD) Compliance Form

2014 Los Angeles Green Building Code
and 2013 California Energy Code

FORM GRN 21

COMPLETE AND INCORPORATE THIS FORM INTO THE PLANS

Project Address: 5001 RODEO ROAD, LOS ANGELES, CA 90016 Permit Number: _____ - _____ - _____

ITEM #	BOD ITEMS	PAGE NUMBER IN BOD DOCUMENT
	HVAC SYSTEMS AND CONTROLS	
1	Narrative description of system (i.e. system type(s), location, control type, efficiency features, outdoor air ventilation strategy, indoor air quality features, noise reduction features, environmental benefits, other features)	
2	Description of how the system meets requirements in OPR	
3	Reasons for system selection, as opposed to alternatives (e.g. comfort performance, efficiency, reliability, cost, acoustics, etc.)	
4	Load calculations (i.e. method/software, summer outdoor conditions, winter outdoor conditions, indoor design conditions, assumptions, other)	
5	Sequence of Operations (i.e. operating schedules, setpoints, other)	
	INDOOR LIGHTING SYSTEM	
6	Narrative Description of system (e.g. fixture type(s), lamp & ballast type, control type, etc.)	
7	Description of how the system meets requirements in OPR	
8	Reasons for system selection, as opposed to alternatives (e.g. visual comfort performance, efficiency, reliability, flexibility, simplicity, cost, etc.)	
9	Lighting Design Criteria (i.e. space ID, space type, illumination design target, source of target, light calculation assumptions, other)	
10	Lighting Power Design Target (i.e. space type, Title 24-Energy Code lighting power allowance, lighting power design target, other)	
	WATER HEATING SYSTEM	
11	Narrative description of system (i.e. system type, location, control type, efficiency features, environmental benefits, other)	
12	Description of how the system meets requirements in OPR	
13	Reasons for system selection, as opposed to alternatives (e.g. performance, efficiency, reliability, space constraints, cost, ease of maintenance, other)	
14	Water heating load calculations: sizing calculation method, assumptions, and results	
	LANDSCAPE IRRIGATION SYSTEMS	
15	Narrative description of system (i.e. system type(s), location, control type, performance, efficiency, water savings, other)	
16	Description of how the system meets requirements in OPR	
17	Reasons for system selection, as opposed to alternatives (e.g. performance, efficiency, reliability, flexibility, cost, utility company incentives, other)	
18	Landscape irrigation system calculations: sizing calculation method, assumptions, and results	
	COVERED PROCESSES	
19	Narrative description of system (i.e. system type(s), location, control type, performance, efficiency, savings, other)	
20	Description of how the system meets requirements in OPR	
21	Reasons for system selection, as opposed to alternatives (e.g. performance, efficiency, reliability, flexibility, simplicity, expandability, cost, payback period, utility company incentives, owner preference, etc.)	
22	Sequence of Operation (e.g. operating schedules, setpoints, storage capacity, etc...)	
	RENEWABLE ENERGY SYSTEMS (IF ANY)	
23	Narrative description of system (i.e. system type(s), location, inverter type, control type, performance, efficiency, energy savings, payback period, other)	
24	Description of how the system meets requirements listed in OPR	
25	Reasons for system selection, as opposed to alternatives (e.g. performance, efficiency, reliability, flexibility, simplicity, expandability, cost, payback period, etc.)	
26	Renewable energy system generation calculations: sizing calculation method, assumptions, and results	
	WATER REUSE SYSTEM (IF ANY)	
27	Narrative description of system (i.e. system type(s), location, space requirements, equipment requirements, control type, performance, efficiency, potable water savings, payback period, other)	
28	Description of how the system meets requirements in OPR	
29	Reasons for system selection, as opposed to alternatives (e.g. performance, efficiency, reliability, flexibility, simplicity, cost, payback period, etc.)	
30	Water reuse system calculations: sizing calculation method, assumptions, and results	

Architect/Engineer/Designer Acknowledgement

I hereby acknowledge the Basis of Design (BOD) document has been completed and meets the Owner's Project Requirements (OPR).

	Name	License Number	Signature	Date
Architect of Record				
Mechanical Designer				
Electrical Designer				
Plumbing Designer				
Landscape Architect				
Renewable Energy System Designer				
Others (specify):				

Commissioning Agent Acknowledgement

I have reviewed the Basis of Design (BOD) and verified that it meets the Owner's Project Requirements (OPR):

Name: _____

Company Name (if applicable): _____

Agent's Signature: _____ Date: _____

LA DBS DEPARTMENT OF BUILDING AND SAFETY

STORM WATER POLLUTION CONTROL

(2014 Los Angeles Green Building Code)

FORM GRN 1

Storm Water Pollution Control Requirements for Construction Activities
Minimum Water Quality Protection Requirements for All Construction Projects

The following notes shall be incorporated in the approved set of construction/grading plans and represents the minimum standards of good housekeeping which must be implemented on all construction projects.

Construction means constructing, clearing, grading or excavation that result in soil disturbance. Construction includes structure teardown (demolition). It does not include routine maintenance to maintain original line and grade, hydraulic capacity, or original purpose of facility; emergency construction activities required to immediately protect public health and safety; interior remodeling with no outside exposure of construction material or construction waste to storm water; mechanical permit work; or sign permit work. (Order No. 01-182, NPDES Permit No. CAS004001 – Part 5: Definitions)

1. Eroded sediments and pollutants shall be retained on site and shall not be transported from the site via sheet flow, swales, area drains, natural drainage or wind.
2. Stockpiles of earth and other construction-related materials shall be covered and/or protected from being transported from the site by wind or water.
3. Fuels, oils, solvents and other toxic materials must be stored in accordance with their listing and shall not contaminate the soil nor the surface waters. All approved toxic storage containers are to be protected from the weather. Spills must be cleaned up immediately and disposed of properly and shall not be washed into the drainage system.
4. Non-storm water runoff from equipment and vehicle washing and any other activity shall be contained on the project site.
5. Excess or waste concrete may not be washed into the public way or any drainage system. Provisions shall be made to retain concrete waste on-site until it can be appropriately disposed of or recycled.
6. Trash and construction –related solid wastes must be deposited into a covered receptacle to prevent contamination of storm water and dispersal by wind.
7. Sediments and other materials shall not be tracked from the site by vehicle traffic. The construction entrance roadways must be stabilized so as to inhibit sediments from being deposited into the street/public ways. Accidental depositions must be swept up immediately and may not be washed down by rain or by any other means.
8. Retention basins of sufficient size shall be provided to retain storm water runoff on-site and shall be properly located to collect all tributary site runoff.
9. Where retention of storm water runoff on-site is not feasible due to site constraints, runoff may be conveyed to the street and the storm drain system provided that an approved filtering system is installed and maintained on-site during the construction duration.

LA DBS DEPARTMENT OF BUILDING AND SAFETY

Owner's Project Requirements (OPR) Compliance Form

2014 Los Angeles Green Building Code
and 2013 California Energy Code

FORM GRN 20

COMPLETE AND INCORPORATE THIS FORM INTO THE PLANS

Project Address: _____ Permit Number: _____ - _____ - _____

ITEM #	OPR ITEMS	PAGE NUMBER IN OPR DOCUMENT
	PROJECT PROGRAM	
1	General building information (size, stories, construction type, occupancy type and number)	
2	Intended uses and schedules	
3	Future expandability and flexibility of spaces	
4	Quality and/or durability of materials and desired building lifespan	
5	Budget or operation constraints	
	ENVIRONMENTAL AND SUSTAINABILITY GOALS	
6	Level of compliance with the Los Angeles Green Building Code: Mandatory, Tier 1, or Tier 2	
7	Specific environmental or sustainability goals (e.g. water efficiency, water reuse, CO_2 monitoring, xeriscaping, etc.)	
	ENERGY EFFICIENCY GOALS	
8	Overall efficiency of building: meet California Energy Code or exceed by (%)	
9	Lighting system efficiency: meet California Energy Code or exceed by (%)	
10	HVAC equipment efficiency and characteristics	
11	Other measures affecting energy efficiency desired by owner (e.g. building orientation, shading, envelope and fenestration, roof, renewable power, net-zero energy use, etc.)	
	INDOOR ENVIRONMENTAL QUALITY REQUIREMENTS	
12	Lighting	
13	Temperature and Humidity	
14	Acoustics	
15	Air quality, ventilation, and filtration	
16	Desired adjustability of system controls	
17	Accommodations for after-hours use	
18	Other owner requirements (e.g. natural ventilation, daylight, views, etc.)	

	EQUIPMENT AND SYSTEMS EXPECTATIONS	
19	Level of quality, reliability, equipment type, flexibility, maintenance, and complexity desired	
20	Specific efficiency targets, desired technologies, or preferred manufacturers for building systems, acoustics and vibration	
21	Degree of system integration, automation, and functionality for controls (i.e. load shedding, demand response, energy management)	
	BUILDING OCCUPANT AND O&M PERSONNEL EXPECTATIONS	
22	Description of how the building will be operated and by whom	
23	Level of training and orientation required to understand, operate and use the building systems for building operation and maintenance staff, as well as occupants	
24	Building operation and maintenance staff location and capabilities	
	COMMISSIONING AGENT INFORMATION	
25	**Name of Commissioning Agency:**	
26	**Address of Agency:**	
27	**Contact person(s) Name(s):**	

Owner/Owner Representative Acknowledgement

Owner's Project Requirements (OPR). The expectations and requirements of the building appropriate to its phase shall be documented before the design phase of the project begins. The OPR includes the elements listed above and have been approved by the Owner or Owner Representative.

Name: _____ ☐ Owner ☐ Owner Representative

Company Name (if applicable): _____

Signature: _____ Date: _____

LA DBS DEPARTMENT OF BUILDING AND SAFETY

Commissioning Measures In Construction Documents

2014 Los Angeles Green Building Code
and 2013 California Energy Code

FORM GRN 22

COMPLETE AND INCORPORATE THIS FORM INTO THE PLANS

Project Address: 5001 RODEO ROAD, LOS ANGELES, CA 90016 Permit Number: _____ - _____ - _____

ITEM #	Commissioning Measures Items
1	Measures shown in the specifications and cross referenced
2	List of commissioned equipment and systems
3	Cx roles and responsibilities of all parties
4	Meeting requirements
5	Commissioning schedule management procedures
6	Procedures for addressing outstanding issues or non-compliance
7	Requirements for execution and documentation of installation and equipment start up
8	Specific testing requirements for each system type
9	Submittal review and approval requirements
10	Contents and approval process of the commissioning plan
11	Cx documentation and reporting requirements
12	Facility staff training requirements and verification procedures
13	O & M manual review and approval procedures
14	Systems manual development and approval procedures
15	Definitions

Commissioning Agent Acknowledgment

I have reviewed the applicable construction documents listed above and verified their compliance with the owner's project requirements, basis of design, and commissioning plan.

Name: _____

Company Name (if applicable): _____

Agent's signature: _____ Date: _____

BUREAU OF ENGINEERING OFFICIAL RECORD

ENGINEERING
CITY OF LOS ANGELES
BUREAU OF ENGINEERING

BUILDING NO.

NO. REVISIONS: DATE: BY:

INDEX NO. RP 300094

LICENSED ARCHITECT JOHN ZOLTAN EMEA C-19741 5/31/2017 STATE OF CALIFORNIA

CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS

BID SET SUBMITTAL

CITY ENGINEER DATE:

GARY LEE MOORE, PE, ENV SP

ARCHITECTURAL DIVISION

ARCHITECT: ZOLTAN E. PALI, FAIA LIC. NO. C-19741

DESIGNED BY: ZEP

DRAWN BY: AOS

CHECKED BY: SM

APPROVED BY: MAHMOOD KARIMZADEH, A.I.A., PRINCIPAL ARCHITECT

VERTICAL CONTROL:
HORIZONTAL CONTROL:

SHEET TITLE: GREEN BUILDING FORMS

PROJECT: RANCHO CIENEGA SPORTS COMPLEX

ADDRESS: 5001 RODEO ROAD
LOS ANGELES, CA 90016

WORK ORDER NO. E1907694

PLAN FILE NO.

DRAWING NO. G-015

SHEET OF SHEETS

PLOTTED: 12/22/2016 4:32:00 PM

REVISION DATES (DESIGN STAGE ONLY)

THE CITY OF LOS ANGELES OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF ELECTRONIC COPIES OF THIS PLAN SHEET.

TEMPLATE SHEET REVISION DATE: 08/2014
REVISION DATE: 10/24/2016 5:30 PM FILE: Z:\14-018 RANCHO CIENEGA SPORTS COMPLEX\DRAWINGS\REVITLINKS AUTOCAD\BOE_TITLEBLOCK_CD_90PERCENT.DWG

LA DBS DEPARTMENT OF BUILDING AND SAFETY

Commissioning Plan Compliance Form

2014 Los Angeles Green Building Code
and 2013 California Energy Code

FORM GRN 23

COMPLETE AND INCORPORATE THIS FORM INTO THE PLANS

Project Address: 5001 RODEO ROAD, LOS ANGELES, CA90016 Permit Number: _____ - _____ - _____

ITEM #	COMMISSIONING PLAN ITEMS	PAGE NUMBER IN COMMISSIONING PLAN DOCUMENT
	GENERAL PROJECT INFORMATION	
1	Project name, owner, location, building type and building area	
2	Definitions	
3	Overall project commissioning schedule	
4	Contact information for individual/company providing commissioning services	
	COMMISSIONING GOALS	
5	Meeting the Los Angeles Green Building code and California Energy Code requirements for commissioning	
6	Meeting OPR and BOD requirements	
7	Carrying out requirements for commissioning activities as specified in plans and specifications	
	SYSTEMS TO BE COMMISSIONED	
8	Explanation of the original design intent (refer to OPR and BOD documents)	
9	Requirements for execution and documentation of installation, checkout and start up, including controls point-to-point checks and calibrations	
10	Equipment and systems to be tested*, functions and modes to be tested, conditions under which the test shall be performed, measurable criteria for acceptable performance, and example test forms	
	COMMISSIONING TEAM INFORMATION	
11	List of all team members and contact information (i.e. owner, owner's representative, architect, engineers, designated commissioning representative, and (if available): general contractor, sub-contractors, vendors, and construction manager)	
	COMMISSIONING PROCESS ACTIVITIES, SCHEDULES, AND RESPONSIBILITIES	
12	Prescribed commissioning process steps and activities to be accomplished by the Cx team throughout the design to occupancy	
13	Roles and responsibilities for each member of the Cx team for each phase of the work (including who writes checklists and tests, who reviews and approves test forms, who directs tests, who executes tests, who documents tests results and who approves completed tests)	
14	Required Cx deliverables, reports, forms, and verifications expected at each stage of the commissioning effort	
15	Confirmation, development and approval process for the O&M manual, systems manual and the facility operator and maintenance staff training	

Revised 08-26-2014 Page 1 of 2 www.ladbs.org

**At a minimum, the following systems shall be tested: HVAC & controls, indoor lighting system & controls, water heating system, landscape irrigation systems, covered processes, renewable energy systems, and water reuse systems.*

Owner/Owner Representative Acknowledgement

The commissioning plan includes the items listed above and have been approved by the Owner or Owner Representative:

Name: _____ ☐ Owner ☐ Owner Representative

Company Name (if applicable): _____

Signature: _____ Date: _____

Revised 01-01-2014 2 of 2 www.ladbs.org

GENERAL NOTES - GREEN BUILDING

1. AFTER FUNCTIONAL PERFORMANCE TESTS ARE CONCLUDED FORM GRN 24 SHALL BE COMPLETED AND READILY AVAILABLE TO THE FIELD INSPECTOR PRIOR TO FINAL APPROVAL.
2. ALL OPERATIONAL ASPECTS OF THE BUILDING SHALL BE DOCUMENTED WITHIN A SYSTEM MANUAL. THIS SYSTEMS MANUAL SHALL BE DELIVERED TO THE OWNER OR REPRESENTATIVE.
3. THE TRAINING OF THE APPROPRIATE MAINTENANCE STAFF FOR EACH EQUIPMENT TYPE AND/OR SYSTEM SHALL BE DOCUMENTED IN THE COMMISIONING REPORT.
4. FORM GRN 25 SHALL BE COMPLETED AND READILY AVAILABLE TO THE FIELD INSPECTOR PRIOR TO FINAL APPROVAL.
5. A COMPLETE COMMISIONING REPORT AND FORM GRN 26 SHALL BE PROVIDED TO THE OWNER OR REPRESENTATIVE AND WILL BE READILY AVAILABLE TO THE FIELD INSPECTOR PRIOR TO THE FINAL APPROVAL.
6. A SEPERATE ELECTRICAL PLAN CHECK IS REQUIRED TO VERIFY THE RACEWAY METHOD(S) WIRING SCHEMATIC AND ELECTRICAL CALCULATIONS FOR THE ELECTRICAL CHARGING SYSTEM. THE RACEWAY SHALL NOT BE LESS THAN THE TRADE SIZE 1".
7. THE ELECTRICAL SYSTEM SHALL HAVE SUFFICIENT CAPACITY TO SIMULTANEOUSLY CHARGE ALL ELECTRIC VEHICLES AT THEIR FULL RATED AMPERAGE.
8. THE SERVICE PANEL OR SUBPANEL(S) SHALL HAVE SUFFICIENT CAPACITY TO ACCOMODATE THE REQUIRED NUMBER OF DEDICATED BRANCH CIRCUIT(S) FOR THE FUTURE INSTALLATION OF THE EVSE.
9. THE SERVICE PANEL OR SUBPANEL(S) CIRCUIT DIRECTORY SHALL IDENTIFY THE RESERVED OVERCURRENT PROTECTIVE DEVICE SPACE(S) FOR FUTURE EV CHARGING AS "EV CAPABLE". THE RACEWAY TERMINATION SHALL BE PERMANENTLY AND VISIBLY MARKED AS "EV CAPABLE."
10. SEPERATE SUBMETERS SHALL BE INSTALLED IN ANY BUILDING OR NEW SPACE WITHIN A BUILDING THAT IS PROJECTED TO CONSUME MORE THAN 1,000 GAL/DAY.
11. LOCKS SHALL BE INSTALLED ON ALL PUBLICLY ACCESSIBLE EXTERIOR FAUCETS AND HOSE BIBS.
12. FOR SITES WITH OVER 500 SQUARE FEET OF LANDSCAPE AREA, ALTERNATE WASTE PIPING SHALL BE INSTALLED TO PERMIT DISCHARGE FROM THE CLOTHES WASHER, BATHTUB, SHOWERS AND BATHROOM/RESTROOMS WASH BASINS TO BE USED FOR FUTURE GRAYWATER IRRIGATION SYSTEM.
13. WATER USED IN THE BUILDING FOR WATER CLOSETS, URINALS, FLOOR DRAINS, AND PROCESS COOLING AND HEATING SHALL COME FROM CITY-RECYCLE WATER IF AVAILABLE FOR USE WITHIN 200 FEET OF THE PROPERTY LINE.
14. COOLING TOWERS SHALL HAVE A MINIMUM OF 6 CYCLES OF CONCENTRATION (BLOWDOWN) OR HAVE A MINIMUM OF 50% OF MAKEUP WATER SUPPLY TO COOLING TOWERS COME FROM NON-POTABLE WATER SOURCES.
15. WHERE GROUNDWATER IS BEING EXTRACTED AND DISCHARGED, A SYSTEM FOR ONSITE REUSE OF THE GROUNDWATER SHALL BE DEVELOPED AND CONSTRUCTED IF THE GROUNDWATER WILL BE DISCHARGED TO THE SERVER.
16. THE VOC CONTENT VERIFICATION CHECKLIST: FORM GRN 2, SHALL BE COMPLETED AND VERIFIED PRIOR TO FINAL INSPECTION APPROVAL. THE MANUFACTURER'S SPECIFICATIONS SHOWING VOC CONTENT FOR ALL APPLICABLE PRODUCTS SHALL BE READILY AVAILABLE AT THE JOB SITE AND BE PROVIDED TO THE FIELD INSPECTOR FOR VERIFICATION.
17. ALL NEW CARPET INSTALLED IN THE BUILDING INTERIOR SHALL MEET THE TESTING AND PRODUCT REQUIREMENTS OF ONE OF THE FOLLOWING:
    i. CARPET AND RUG INSTITUTES GREEN LABEL PLUS PROGRAM
    ii. CALIFORNIA DEPARTMENT OF PUBLIC HEALTH'S SPECIFICATIONS 01350.
    iii. NSF/ANSI 140 AT THE GOLD LEVEL OR HIGHER
    iv. SCIENTIFIC CERTIFICATIONS SYSTEMS SUSTAINABLE CHOICE
    v. COMPLIANT WITH THE COLLABORATIVE FOR HIGH PERFORMANCE SCHOOLS CALIFORNIA (CA-CHPS) CRITERIA INTERPRETATION FOR EQ 7.0 AND 7.1 AND LISTED IN THE CHPS HIGH PERFORMANCE PRODUCT DATABASE.
18. ALL NEW CARPET CUSHION INSTALLED IN THE BUILDING INTERIOR SHALL MEET THE REQUIREMENTS OF THE CARPET AND RUG INSTITUTE GREEN LABEL PROGRAM.
19. NEW HARDWOOD PLYWOOD, PARTICLE BOARD, AND MEDIUM DENSITY FIBERBOARD COMPOSITE WOOD PRODUCTS USED IN THE INTERIOR OR EXTERIOR OF THE BUILDING SHALL MEET THE FORMALDEHYDE LIMITS LISTED IN TABLE 5.504.4.5.
20. THE FORMALDEHYDE EMISSIONS VERIFICATION CHECKLIST, FORM GRN 3, SHALL BE COMPLETED PRIOR TO FINAL INSPECTIONS APPROVAL. THE MANUFACTURER'S SPECIFICATIONS SHOWING FORMALDEHYDE CONTENT FOR ALL APPLICABLE WOOD PRODUCTS SHALL BE READILY AVAILABLE AT THE JOB SITE AND BE PROVIDED TO THE FIELD INSPECTOR FOR VERIFICATION.
21. 80% OF THE TOTAL AREA RECEIVING RESILIENT FLOORING SHALL COMPLY WITH ONE OR MORE OF THE FOLLOWING:
    i. CERTIFIED AS A CHPS LOW-EMITTING MATERIAL IN THE CHPS HIGH PERFORMANCE PRODUCTS DATABASE
    ii. CERTIFIED UNDER UL GREENGUARD GOLD
    iii. CERTIFIED UNDER THE RESILIENT FLOOR COVERING INSTITUTE (RFCI) FLOOR SCORE PROGRAM
    iv. MEET THE CALIFORNIA DEPARTMENT OF PUBLIC HEALTH'S SPECIFICATION 01350
22. AN AIR FILTER WITH A MINIMUM EFFICIANCY REPORTING VALUE (MERV) OF 8 OR HIGHER SHALL BE INSTALLED IN THE MECHANICAL SYSTEM FOR OUTSIDE AND RETURN AIR PRIOR TO OCCUPANCY.
23. MECHANICALLY VENTILATED BUILDINGS WITHIN 1,000 FEET OF FREEWAY SHALL PROVIDE REGULARLY OCCUPIED AREAS OF THE BUILDING WITH A MERV 13 FILTER FOR OUTSIDE AND RETURN AIR. FILTERS SHALL BE INSTALLED PRIOR TO OCCUPANCY AND RECOMMENDATIONS FOR MAINTENANCE WITH FILTERS OF THE SAME VALUE SHALL BE INCLUDED IN THE OPERATION AND MAINTENANCE MANUAL.
24. DESIGNATED OUTDOOR SMOKING AREA SHALL BE AT LEAST 25 FEET FROM AN OUTDOOR AIR INTAKE OR OPERABLE WINDOWS.
25. THE BUILDING SHALL MEET OR EXCEED THE PROVISIONS FOR MECHANICAL VENTILATION OF SECTION 1203 OF THE LOS ANGELES BUILDING CODE.
26. BUILDINGS THAT USE DEMAND CONTROL VENTILATION SHALL HAVE CO2 SENSORS AND VENTILATION CONTROLS INSTALLED IN ACCORDANCE WITH THE REQUIREMENTS OF THE CURRENT EDITION OF THE CALIFORNIA ENERGY CODE, CCR, TITLE 24, PART 6, SECTION 121(c).
27. THE BUILDING IS NOT EXPOSED TO A NOISE LEVEL OF 65dB L-1-HOUR DURING ANY HOUR OF OPERATION, CLEARLY STATE THIS ON THE PLANS.

BUREAU OF ENGINEERING OFFICIAL RECORD

BID SET SUBMITTAL

CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS BUREAU OF ENGINEERING

ENGINEERING CITY OF LOS ANGELES

NO.	REVISIONS:	DATE:	BY:

BUILDING NO.

INDEX NO. RP 300094

LICENSED ARCHITECT GARY LEE MOORE C-19741 5/31/2017 STATE OF CALIFORNIA

CITY ENGINEER: GARY LEE MOORE, PE, ENV SP DATE:

ARCHITECTURAL DIVISION

ARCHITECT: ZOLTAN E. PALI, FAIA LIC. NO. C-19741

DESIGNED BY: ZEP

DRAWN BY: AOS

CHECKED BY: SM

APPROVED BY: MAHMOOD KARIMZADEH, A.I.A., PRINCIPAL ARCHITECT

VERTICAL CONTROL:
HORIZONTAL CONTROL:

SHEET TITLE: GREEN BUILDING FORMS CONT.

PROJECT: RANCHO CIENEGA SPORTS COMPLEX

ADDRESS: 5001 RODEO ROAD
LOS ANGELES, CA 90016

WORK ORDER NO. E1907694

PLAN FILE NO.

DRAWING NO. G-016

SHEET OF SHEETS

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REVISION DATES (DESIGN STAGE ONLY)

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BOARD OF BUILDING AND SAFETY COMMISSIONERS
VAN AMBATIELOS, PRESIDENT
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CITY OF LOS ANGELES
CALIFORNIA

ERIC GARCETTI
MAYOR

DEPARTMENT OF BUILDING AND SAFETY
201 NORTH FIGUEROA STREET
LOS ANGELES, CA 90012

RAYMOND S. CHAN, C.E., S.E.
GENERAL MANAGER

FRANK BUSH
EXECUTIVE OFFICER

SOILS REPORT APPROVAL LETTER

July 28, 2015

LOG # 89073
SOILS/GEOLOGY FILE - 2
LIQ

City of Los Angeles
Dept. of Recreation and Parks (RAP)
5001 Rodeo Road
Los Angeles, CA 90016

TRACT: Rancho Cienega O'Paso De La Tijera (D C C 2253 C F 900 PAT 1-259)
LOT(S): PT Tomas A Sanchez 3317.5 Acres (Arb 16)
LOCATION: 5001 W. Rodeo Road

CURRENT REFERENCE REPORT/LETTER(S)	REPORT No.	DATE(S) OF DOCUMENT	PREPARED BY
Soils Report	15-002	05/27/2015	LADPW - GEO
Soils Report	104828-2000	04/28/2015	Willdan Geotechnical
Laboratory Test Report	140-6036	05/15/2015	LA Dept. of General Services, Standards Division

The Grading Division of the Department of Building and Safety has reviewed the referenced report(s) providing recommendations for the proposed construction of the Rancho Cienega Sports Complex consisting of a 30,000 sq. ft sports complex that will include a gym, pool, bathhouse, offices, community room and fitness annex. Other site improvements include parking, a multipurpose field, park infrastructure, and landscaping. The childcare center will remain in place.

The earth materials consist of alluvium (Qa) in the northeast portion of the site and marshlands (Qc) in the southwest portion. Groundwater was encountered at a depth of 6.5 feet.

The consultants recommend to support the proposed structures (sports complex, mezzanine, pool, pool deck, and metal wall panels) on driven-pile foundations (low displacement steel piles) bearing into the native dense to very dense granular soils, in order to mitigate the effects of static and dynamic settlement. The piles will have a minimum length of 42.5 feet. The consultants recommend to support accessory structures that are relatively small and lightly loaded on a structural mat foundation underlain with a minimum of 3 feet of compacted fill.

Engineering analyses provided by LADPW - GEO is based on field and laboratory testing performed by Willdan Geotechnical, and on exploratory drilling by the City of Los Angeles, Department of General Services, Standard Division. LADPW - GEO is accepting responsibility for use of the data

in accordance to Code section 91.7008.5 of LABC.

The site is located in a designated liquefaction hazard zone as shown on the "Seismic Hazard Zones" map issued by the State of California. The Liquefaction study included as a part of the report/s demonstrates that the site soils are subject to liquefaction. The earthquake induced total and differential settlements are calculated to be 1.75 and 1 inches, respectively. To mitigate the earthquake induced settlements it is proposed to use a pile foundation system. The requirements of the 2014 City of Los Angeles Building Code, have been satisfied.

The referenced reports are acceptable, provided the following conditions are complied with during site development:

(Note: Numbers in parenthesis ( ) refer to applicable sections of the 2014 City of LA Building Code. P/BC numbers refer the applicable Information Bulletin. Information Bulletins can be accessed on the internet at LADBS.ORG.)

1. The soils engineer shall review and approve the detailed plans prior to issuance of any permit. This approval shall be by signature on the plans which clearly indicates that the soils engineer has reviewed the plans prepared by the design engineer and that the plans included the recommendations contained in the soils report. (7006.1)
2. All recommendations of the report(s) which are in addition to or more restrictive than the conditions contained herein shall be incorporated into the plans.
3. A copy of the subject and appropriate referenced reports and this approval letter shall be attached to the District Office and field set of plans. Submit one copy of the above reports to the Building Department Plan Checker prior to issuance of the permit. (7006.1)
4. A grading permit shall be obtained for all structural fill and retaining wall backfill. (106.1.2)
5. All man-made fill shall be compacted to a minimum 90 percent of the maximum dry density of the fill material per the latest version of ASTM D 1557. Where cohesionless soil having less than 15 percent finer than 0.005 millimeters is used for fill, it shall be compacted to a minimum of 95 percent relative compaction based on maximum dry density (D1556). Placement of gravel in lieu of compacted fill is allowed only if complying with Section 91.7011.3 of the Code. (7011.3)
6. If import soils are used, no footings shall be poured until the soils engineer has submitted a compaction report containing in-place shear test data and settlement data to the Grading Division of the Department, and obtained approval. (7008.2)
7. Compacted fill shall extend beyond the footings a minimum distance equal to the depth of the fill below the bottom of footings or a minimum of three feet, whichever is greater. (7011.3)
8. Footings supported on approved compacted fill or expansive soil shall be reinforced with a minimum of four (4) ½-inch diameter (#4) deformed reinforcing bars. Two (2) bars shall be placed near the bottom and two (2) bars placed near the top.

9. The foundation/slab design shall satisfy all requirements of the Information Bulletin P/BC 2014-116 "Foundation Design for Expansive Soils" (1803.5.3).
10. Existing uncertified fill shall not be used for support of footings, concrete slabs or new fill. (1809.2)
11. Drainage in conformance with the provisions of the Code shall be maintained during and subsequent to construction. (7013.12)
12. Controlled Low Strength Material, CLSM (slurry) proposed to be used for non-structural backfill shall satisfy the requirements specified in P/BC 2014-121.
13. The applicant is advised that the approval of this report does not waive the requirements for excavations contained in the State Construction Safety Orders enforced by the State Division of Industrial Safety. (3301.1)
14. Temporary excavations that remove lateral support to the public way, adjacent property, or adjacent structures shall be supported by shoring, as recommended. Note: Lateral support shall be considered to be removed when the excavation extends below a plane projected downward at an angle of 45 degrees from the bottom of a footing of an existing structure, from the edge of the public way or an adjacent property. (3307.3.1)
15. Prior to the issuance of any permit which authorizes an excavation where the excavation is to be of a greater depth than are the walls or foundation of any adjoining building or structure and located closer to the property line than the depth of the excavation, the owner of the subject site shall provide the Department with evidence that the adjacent property owner has been given a 30-day written notice of such intent to make an excavation. (3307.1)
16. The soils engineer shall review and approve the shoring plans prior to issuance of the permit. (3307.3.2)
17. Prior to the issuance of the permits, the soils engineer and/or the structural designer shall evaluate the surcharge loads used in the report calculations for the design of the retaining walls and shoring. If the surcharge loads used in the calculations do not conform to the actual surcharge loads, the soil engineer shall submit a supplementary report with revised recommendations to the Department for approval.
18. Unsurcharged temporary vertical excavations shall not exceed 4 feet. Unsurcharged excavations greater than 4 feet to a maximum of 7 feet shall be trimmed back at a gradient not exceeding 1.5:1 (H:V), as recommended. Temporary excavations for the pool that are expected to be about 15 feet deep, shall be trimmed back at a gradient not exceeding 2:1 (H:V), as recommended.
19. Shoring shall be designed for the lateral earth pressures specified in the section titled "Temporary Shoring" starting on page 9 of the 05/27/2015 report; all surcharge loads shall be included into the design. Total lateral load on shoring piles shall de determined by multiplying the recommended EFP by the pile spacing.
20. Shoring shall be designed for a maximum lateral deflection of 1 inch, provided there are no

structures within a 1:1 plane projected up from the base of the excavation. Where a structure is within a 1:1 plane projected up from the base of the excavation, shoring shall be designed for a maximum lateral deflection of ½ inch, or to a lower deflection determined by the consultant that does not present any potential hazard to the adjacent structure.

21. A shoring monitoring program shall be implemented to the satisfaction of the soils engineer.
22. All foundations shall derive entire support from native undisturbed soils, as recommended and approved by the geologist and soils engineer by inspection, with the exception of accessory structures that are relatively small and lightly loaded that will be supported in properly compacted fill, as recommended.
23. Pile caisson and/or isolated foundation ties are required by Code Sections 1809.13 and/or 1810.3.13. Exceptions and modification to this requirement are provided in Information Bulletin P/BC 2014-030.
24. Driven criteria and driving pile capacities shall be verified by the provisions of Code Sections 1810.3.1.4 and 1810.3.3.1.1.
25. Prior to installation of any production pile, a supplemental report shall be submitted to the Department for review and approval containing the results of the pile indicator program recommended by the consultants on page 14 of the report dated 05/27/2015.
26. At least two pile load tests for each pile type will be performed, as recommended on page 14 of the report dated 05/27/2015, or a minimum of 1% of the production piles, whichever is greater.
27. Indicator piles shall be cut-off a minimum of 3 feet below the bottom of slabs or pavements and capped with properly compacted fill. A Modification Request and Affidavit to allow the piles to remain shall be submitted to the Department for review and approval.
28. The piles shall be embedded a minimum of 5 feet into the dense to very dense granular soils, which result in a minimum pile length of about 42.5 feet, as recommended on page 13 of the report dated 05/27/2015.
29. For piles installed using vibrating/driving equipment in the vicinity of existing structures, the following conditions shall be complied with:
    a. Ground vibrations shall be monitored during pile installation adjacent to the pile driving operation as recommended on page 15 of the report dated 05/27/2015.
    b. Peak particle velocities (PPV) for any single axis shall be limited to ½ inch/second.
    c. A settlement monitoring program shall be implemented until completion of pile installation, as recommended.
    d. In the event any PPV is measured above the specified threshold (½ inch/second) or any settlement is measured/detected, pile driving shall be stopped and corrective actions shall be submitted to the Department for review before resuming pile driving.

30. Existing uncertified fill shall not be used for lateral support of deep foundation. (1810.2.1)
31. Special provisions such as flexible or swing joints shall be made for buried utilities and drain lines to allow for differential vertical displacement, as recommended on page 17 of the 05/27/2015 report.
32. Slab on uncertified fill shall be designed as a structural slab. (7011.3)
33. The seismic design shall be based on a Site Class D as recommended. All other seismic design parameters shall be reviewed by LADBS building plan check.
34. The pool shall be designed to resist uplift hydrostatic pressures that would develop due to the historic high groundwater level conditions or the current groundwater level, whichever is higher, as recommended starting on page 16 of the 05/27/2015 report. The below-grade pool walls shall be designed to resist the hydrostatic pressure that would develop.
35. The pool shall be designed for expansive soil conditions in accordance with Information Bulletin P/BC 2014-014.
36. Pool deck drainage shall be collected and conducted to an approved location via a non-erosive device. (7013.10)
37. All roof and pad drainage shall be conducted to the street in an acceptable manner. (7013.10)
38. In the event an on-site infiltration system is recommended, then provide a plan(s) drawn to scale and suitable for reproduction and archiving purposes that clearly shows all property lines, proposed and existing grades and structures, and the location of the proposed infiltration system. The plan shall be provided on the soils consultant's stationary or shall be signed and stamped by the soils engineer.
39. All concentrated drainage shall be conducted in an approved device and disposed of in a manner approved by the LADBS. (7013.10)
40. The area shall be de-watered under the direction of the consultants prior to beginning excavations below the groundwater table. Note, that a permit from the State of California Regional Water Quality Control Board and Department of Public Works shall be obtained to discharge the water into a storm drain.
    201 N. Figueroa Street 3rd Floor, LA (213) 482-7045
    320 W. 4th Street, Suite 200 (213) 576-6600 (LARWQB)
41. The soils engineer shall inspect all excavations to determine that conditions anticipated in the report have been encountered and to provide recommendations for the correction of hazards found during grading. (7008 & 1705.6)
42. All pile driving shall be performed under the inspection and approval of the soils engineer. Such supervision does not waive the required inspection by the City Building Inspector. The soils engineer shall verify for every pile; embedment into the competent bearing material and allowable load against that used in foundation design consistent with the provisions of the

Code. A log of the pile driving shall be kept and a copy submitted to the Grading Division of the Department along with a written certification that the work supervised meets the conditions of the report. (1704.8, 1803.5.5)

43. Prior to the pouring of concrete, a representative of the consulting soils engineer shall inspect and approve the footing excavations, and shall post a notice on the job site for the LADBS Building Inspector and the Contractor stating that the work so inspected meets the conditions of the report, but that no concrete shall be poured until the City Building Inspector has also inspected and approved the footing excavations. A written certification to this effect shall be filed with the Grading Division of the Department upon completion of the work. (108.9 & 7008.2)
44. Prior to excavation, an initial inspection shall be called with LADBS Inspector at which time sequence of construction, shoring, pile installation, protection fences and dust and traffic control will be scheduled. (108.9.1)
45. Installation of shoring, slot cutting excavations and/or pile installation shall be performed under the inspection and approval of the soils engineer and deputy grading inspector. (1705.6)
46. Prior to the placing of compacted fill, a representative of the soils engineer shall inspect and approve the bottom excavations, and shall post a notice on the job site for the City Grading Inspector and the Contractor stating that the soil inspected meets the conditions of the report, but that no fill shall be placed until the LADBS Grading Inspector has also inspected and approved the bottom excavations. A written certification to this effect shall be included in the final compaction report filed with the Grading Division of the Department. All fill shall be placed under the inspection and approval of the soils engineer. A compaction report together with the approved soil report and Department approval letter shall be submitted to the Grading Division of the Department upon completion of the compaction. In addition, an Engineer's Certificate of Compliance with the legal description as indicated in the grading permit and the permit number shall be included. (7011.3)
47. No footing/slab shall be poured until the compaction report is submitted and approved by the Grading Division of the Department.

GLEN RAAD
Geotechnical Engineer I

GR/gr
Log No. 89073
213-482-0480

cc: LADPW - GEO, Applicant, Project Consultant
Willdan Geotechnical, Project Consultant
LA Dept. of General Services, Standards Division, Project Consultant
LA District Office

BUREAU OF ENGINEERING
OFFICIAL RECORD

BID SET SUBMITTAL

CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS

BUREAU OF ENGINEERING

ENGINEERING
CITY OF LOS ANGELES

NO. REVISIONS: DATE: BY:

BUILDING NO.

INDEX NO. RP 300094

LICENSED ARCHITECT JOHN CHARLES MOORE C-19741 5/31/2017 STATE OF CALIFORNIA

CITY ENGINEER
DATE:

GARY LEE MOORE, PE, ENV SP
ARCHITECTURAL DIVISION
LIC. NO. C-19741

ARCHITECT: ZOLTAN E. PALI, FAIA
DESIGNED BY: ZEP
DRAWN BY: AOS
CHECKED BY: SM
APPROVED BY: MAHMOOD KARIMZADEH, A.I.A., PRINCIPAL ARCHITECT

VERTICAL CONTROL:
HORIZONTAL CONTROL:

SHEET TITLE: SOILS APPROVAL LETTER

PROJECT: RANCHO CIENEGA SPORTS COMPLEX

ADDRESS: 5001 RODEO ROAD
LOS ANGELES, CA 90016

WORK ORDER NO. E1907694

PLAN FILE NO.

DRAWING NO. G-017

SHEET OF SHEETS

REVISION DATES (DESIGN STAGE ONLY)

THE CITY OF LOS ANGELES OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF ELECTRONIC COPIES OF THIS PLAN SHEET.

TEMPLATE SHEET REVISION DATE: 08/2014
REVISION DATE: 10/24/2016 5:30 PM FILE: Z:\14-018 RANCHO CIENEGA SPORTS COMPLEX\DRAWINGS\REVITLINKS AUTOCAD\BOE_TITLEBLOCK_CD_90PERCENT.DWG

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BUILDING ENERGY ANALYSIS REPORT

PROJECT:

Rancho Cienega Sports Complex
5001 Rodeo Rd
Los Angeles, CA 90016

Project Designer:

,

Report Prepared by:

Buro Happold

,

Job Number:

034494

Date:

02/08/2016

The EnergyPro computer program has been used to perform the calculations summarized in this compliance report. This program has approval and is authorized by the California Energy Commission for use with both the Residential and Nonresidential 2013 Building Energy Efficiency Standards.

This program developed by EnergySoft, LLC – www.energysoft.com.

EnergyPro 6, by EnergySoft *User Number: 7351* *ID: 034494*

A. PROJECT GENERAL INFORMATION

1.	Project Location (city)	Los Angeles	8.	Standards Version	Compliance2015
2.	CA Zip Code	90016	9.	Compliance Software (version)	EnergyPro 6.8
3.	Climate Zone	8	10.	Building Orientation (deg)	(N) 0 deg
4.	Total Conditioned Floor Area in Scope	41,210 ft²	11.	Permitted Scope of Work	NewComplete
5.	Total Unconditioned Floor Area	1,442 ft²	12.	Building Type(s)	Nonresidential
6.	Total # of Stories (Habitable Above Grade)	1	13	Gas Type	NaturalGas
7.	Total # of dwelling units	0			

B. COMPLIANCE RESULTS FOR PERFORMANCE COMPONENTS (Annual TDV Energy Use, kBtu/ft ²-yr) **§ 140.1**

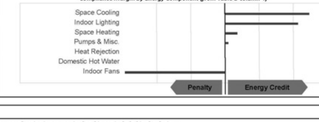
BUILDING COMPLIES

1. Energy Component	2. Standard Design (TDV)	3. Proposed Design (TDV)	4. Compliance Margin (TDV)	5. Percent Better than Standard
Space Heating	3.8	0.8	3.0	78.9%
Space Cooling	80.3	61.8	21.5	25.8%
Indoor Fans	41.0	66.6	-25.6	-62.4%
Heat Rejection	--	--	--	--
Pumps & Misc.	0.7	--	0.7	--
Domestic Hot Water	11.0	11.0	--	0.0%
Indoor Lighting	85.8	67.2	18.6	21.7%
COMPLIANCE TOTAL	**225.6**	**207.4**	**18.2**	**8.1%**
Receptacle	67.3	67.3	0.0	0.0%
Process	20.3	20.3	0.0	0.0%
Other Ltg	--	--	--	--
TOTAL	**313.2**	**295.0**	**18.2**	**5.8%**

C. PRIORITY PLAN CHECK/ INSPECTION ITEMS (in order of highest to lowest TDV energy savings)

1st	Space Cooling: Check envelope and mechanical	
2nd	Indoor Lighting: Check lighting	
3rd	Space Heating: Check envelope and mechanical	
4th	Pumps & Misc.: Check mechanical	
5th	Heat Rejection: Check envelope and mechanical	
6th	Domestic Hot Water: Check mechanical	
7th	Indoor Fans: Check envelope and mechanical	

Compliance Margin By Energy Component (from Table B column 4)



D. EXCEPTIONAL CONDITIONS

The building does not include service water heating. Verify that service water heating is not required and is not included in the design.

E. HERS VERIFICATION

This Section Does Not Apply

F. ADDITIONAL REMARKS

None
Provided

G. COMPLIANCE PATH & CERTIFICATE OF COMPLIANCE SUMMARY

Identify which building components use the performance or prescriptive path for compliance. "NA"= not in project
For components that utilize the performance path, indicate the sheet number that includes mandatory notes on plans.

Building Component		Compliance Path	Compliance Forms *(required for submittal)*	Location of Mandatory Notes on Plans
Envelope	☒	Performance	NRCC-PRF-ENV-DETAILS (section of the NRCC-PRF-01-E)	
	☐	Prescriptive	NRCC-ENV-01 / 02 / 03 / 04 / 05 / 06-E	
	☐	NA		
Mechanical	☒	Performance	NRCC-PRF-MCH-DETAILS (section of the NRCC-PRF-01-E)	
	☐	Prescriptive	NRCC-MCH-01 / 02 / 03 / 04 / 05 / 06 / 07-E	
	☐	NA		
Domestic Hot Water	☐	Performance	NRCC-PRF-PLB-DETAILS (section of the NRCC-PRF-01-E)	
	☐	Prescriptive	NRCC-PLB-01-E	
	☒	NA		
Lighting (Indoor Conditioned)	☒	Performance	NRCC-PRF-LTI-DETAILS (section of the NRCC-PRF-01-E)	
	☐	Prescriptive	NRCC-LTI-01 / 02 / 03 / 04 / 05-E	
	☐	NA		
Covered Process: Commercial Kitchens	☐	Performance	S2 (section of the NRCC-PRF-01-E)	
	☐	Prescriptive	NRCC-PRC-01/ 03-E	
	☒	NA		
Covered Process: Computer Rooms	☐	Performance	S3 (section of the NRCC-PRF-01-E)	
	☐	Prescriptive	NRCC-PRC-01/ 04-E	
	☒	NA		
Covered Process: Laboratory Exhaust	☐	Performance	S4 (section of the NRCC-PRF-01-E)	
	☐	Prescriptive	NRCC-PRC-01/ 09-E	
	☒	NA		

G. COMPLIANCE PATH & CERTIFICATE OF COMPLIANCE SUMMARY

The following building components are only eligible for prescriptive compliance. Indicate which are relevant to the project.				*The following building components may have mandatory requirements per Part 6. Indicate which are relevant to the project.*			
Yes	NA	Prescriptive Requirement	Compliance Forms	Yes	NA	Mandatory Requirement	Compliance Forms
☒	☐	Lighting (Indoor Unconditioned) §140.6	NRCC-LTI-01 / 02 / 03 / 04 / 05-E	☐ ☐	☒ ☒	Commissioning: §120.8 Simple Systems Complex Systems	NRCC-CXR-01 / 02 / 03 / 05-E NRCC-CXR-01 / 02 / 04 / 05-E
☐	☒	Lighting (Outdoor) §140.7	NRCC-LTO-01 / 02 / 03-E	☐	☒	Electrical: §130.5	NRCC-ELC-01-E
☐	☒	Lighting (Sign) §140.8	NRCC-LTS-01-E	☐	☒	Solar Ready: §110.10	NRCC-SRA-01 / 02-E
☐	☒	Solar Thermal Water Heating: §140.5	NRCC-STH-01-E	☐ ☐ ☐ ☒ ☒ ☐	☒ ☒ ☒ ☐ ☐ ☒	Covered Process: §120.6 Parking Garage Commercial Refrigeration Warehouse Refrigeration Compressed Air Process Boilers	NRCC-PRC-01-E NRCC-PRC-02-E NRCC-PRC-05-E NRCC-PRC-06/07/08-E NRCC-PRC-10-E NRCC-PRC-11-E

H. CERTIFICATE OF INSTALLATION, CERTIFICATE OF ACCEPTANCE & CERTIFICATE OF VERIFICATION SUMMARY (NRCI/NRCA/NRCV) –
Documentation Author to indicate which Certificates must be submitted for the features to be recognized for compliance
(Retain copies and verify forms are completed and signed to post in field for Field Inspector to verify).
See Tables G. and H. in MCH and LTI Details Sections for Acceptance Tests and forms by equipment.

Building Component	Compliance Forms *(required for submittal)*	Confirmed Pass	Confirmed Fail
Envelope	☒ NRCI-ENV-01-E - For all buildings	☐	☐
	☒ NRCA-ENV-02-F- NFRC label verification for fenestration	☐	☐
Mechanical	☒ NRCI-MCH-01-E - For all buildings with Mechanical Systems	☐	☐
	☒ NRCA-MCH-02-A- Outdoor Air	☐	☐
	☒ NRCA-MCH-03-A – Constant Volume Single Zone HVAC	☐	☐
	☐ NRCA-MCH-04-H- Air Distribution Duct Leakage	☐	☐
	☒ NRCA-MCH-05-A- Air Economizer Controls	☐	☐
	☒ NRCA-MCH-06-A- Demand Control Ventilation	☐	☐
	☒ NRCA-MCH-07-A – Supply Fan Variable Flow Controls	☐	☐
	☐ NRCA-MCH-08-A- Valve Leakage Test	☐	☐
	☐ NRCA-MCH-09-A – Supply Water Temp Reset Controls	☐	☐
	☐ NRCA-MCH-10-A- Hydronic System Variable Flow Controls	☐	☐
	☐ NRCA-MCH-11-A – Auto Demand Shed Controls	☐	☐
	☒ NRCA-MCH-12-A- Packaged Direct Expansion Units	☐	☐
	☐ NRCA-MCH-13-A- Air Handling Units and Zone Terminal Units	☐	☐
	☐ NRCA-MCH-14-A- Distributed Energy Storage	☐	☐
	☐ NRCA-MCH-15-A – Thermal Energy Storage	☐	☐
	☐ NRCA-MCH-16-A- Supply Air Temp Reset Controls	☐	☐
	☐ NRCA-MCH-17-A – Condensate Water Temp Reset Controls	☐	☐
	☐ NRCA-MCH-18-A- Energy Management Controls Systems	☐	☐
	☐ NRCV-MCH-04-H- Duct Leakage Test	☐	☐

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(Retain copies and verify forms are completed and signed to post in field for Field Inspector to verify).
See Tables G. and H. in MCH and LTI Details Sections for Acceptance Tests and forms by equipment.

Building Component	Compliance Forms *(required for submittal)*	Confirmed Pass	Confirmed Fail
Plumbing	☐ NRCI-PLB-01-E - For all buildings with Plumbing Systems	☐	☐
	☐ NRCI-PLB-02-E - required on central systems in high-rise residential, hotel/motel application.	☐	☐
	☐ NRCI-PLB-03-E - Single dwelling unit systems in high-rise residential, hotel/motel application.	☐	☐
	☐ NRCI-PLB-21-E - HERS verified central systems in high-rise residential, hotel/motel application.	☐	☐
	☐ NRCI-PLB-22-E - HERS verified single dwelling unit systems in high-rise residential, hotel/motel application.	☐	☐
	☐ NRCV-PLB-21-H- HERS verified central systems in high-rise residential, hotel/motel application.	☐	☐
	☐ NRCV-PLB-22-H - HERS verified single dwelling unit systems in high-rise residential, hotel/motel application.	☐	☐
	☐ NRCI-STH-01-E - Any solar water heating	☐	☐
Indoor Lighting	☒ NRCI-LTI-01-E - For all buildings	☐	☐
	☐ NRCI-LTI-02-E - Lighting control system, or for an Energy Management Control System (EMCS)	☐	☐
	☐ NRCI-LTI-03-E - Line-voltage track lighting integral current limiter, or for a supplementary overcurrent protection panel used to energize only line-voltage track lighting	☐	☐
	☐ NRCI-LTI-04-E - Two interlocked systems serving an auditorium, a convention center, a conference room, or a theater	☐	☐
	☐ NRCI-LTI-05-E - Lighting Control Credit Power Adjustment Factor (PAF)	☐	☐
	☐ NRCI-LTI-06-E - Additional wattage installed in a video conferencing studio	☐	☐
	☐ NRCA-LTI-03-A - Occupancy sensors and automatic time switch controls.	☐	☐
	☐ NRCA-LTI-03-A - Automatic daylighting controls	☐	☐
	☐ NRCA-LTI-04-A - Demand responsive lighting controls	☐	☐
Outdoor Lighting	☐ NRCI-LTO-01-E – Outdoor Lighting	☐	☐
	☐ NRCI-LTO-02-E- EMCS Lighting Control System	☐	☐
	☐ NRCA-LTO-02-A - Outdoor Lighting Control	☐	☐
Sign Lighting	☐ NRCI-LTS-01-E – Sign Lighting	☐	☐
Electrical	☐ NRCI-ELC-01-E - Electrical Power Distribution	☐	☐
Photovoltaic	☐ NRCI-SPV-01-E Photovoltaic Systems	☐	☐

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See Tables G. and H. in MCH and LTI Details Sections for Acceptance Tests and forms by equipment.

Building Component	Compliance Forms *(required for submittal)*	Confirmed Pass	Confirmed Fail
Covered Process	☐ NRCI-PRC-01-E Refrigerated Warehouse	☐	☐
	☐ NRCA-PRC-01-F- Compressed Air Systems	☐	☐
	☐ NRCA-PRC-02-F- Kitchen Exhaust	☐	☐
	☐ NRCA-PRC-03-F- Garage Exhaust	☐	☐
	☐ NRCA-PRC-04-F- Refrigerated Warehouse- Evaporator Fan Motor Controls	☐	☐
	☐ NRCA-PRC-05-F- Refrigerated Warehouse- Evaporative Condenser Controls	☐	☐
	☐ NRCA-PRC-06-F- Refrigerated Warehouse- Air Cooled Condenser Controls	☐	☐
	☐ NRCA-PRC-07F- Refrigerated Warehouse- Variable Speed Compressor	☐	☐
	☐ NRCA-PRC-08-F- Electrical Resistance Underslab Heating System	☐	☐

I. ENVELOPE GENERAL INFORMATION (See NRCC-PRF-ENV-DETAILS for more information)

						Confirmed	
1.	Total Conditioned Floor Area	41,210 ft²	5.	Number of Floors Above Grade	1	HVAC	IAQ
2.	Total Unconditioned Floor Area	1,442 ft²	6.	Number of Floors Below Grade	0		
3.	Addition Conditioned Floor Area	0 ft²					
4.	Addition Unconditioned Floor Area	0 ft²					

7. Opaque Surfaces & Orientation	8. Total Gross Surface Area	9. Total Fenestration Area	10. Window to Wall Ratio	Confirmed HVAC	Confirmed IAQ
North Wall	10,590 ft²	2,580 ft²	24.4%	☐	☐
East Wall	7,000 ft²	2,010 ft²	28.7%	☐	☐
South Wall	9,857 ft²	2,634 ft²	26.7%	☐	☐
West Wall	11,972 ft²	2,798 ft²	23.0%	☐	☐
Total	**39,419 ft²**	**9,983 ft²**	**25.3%**	☐	☐
Roof	32,683 ft²	0 ft²	00.0%	☐	☐

THE CITY OF LOS ANGELES OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF ELECTRONIC COPIES OF THIS PLAN SHEET.

TEMPLATE SHEET REVISION DATE: 082014
REVISION DATE: 10/24/2016 5:30 PM FILE: Z:\14-018 RANCHO CIENEGA SPORTS COMPLEX\DRAWINGS\REVITLINKS-AUTOCAD\BOE_TITLEBLOCK_CD_90PERCENT.DWG

REVISION DATES (DESIGN STAGE ONLY)

BUREAU OF ENGINEERING
OFFICIAL RECORD

BUREAU OF ENGINEERING
ENGINEERING
CITY OF LOS ANGELES

NO. REVISIONS: DATE: BY:

BUILDING NO.

INDEX NO. RP 300094

EDWARD ARMEN MAHMOOD KARIMZADEH
C-19741
5/31/2017
STATE OF CALIFORNIA

CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS
BID SET SUBMITTAL

VERTICAL CONTROL:
HORIZONTAL CONTROL:

CITY ENGINEER
DATE:

GARY LEE MOORE, PE, ENV SP

ARCHITECTURAL DIVISION
LIC. NO. C-19741 DATE: 12/31/2017

ARCHITECT: ZOLTAN E. PALI, FAIA
DESIGNED BY: ZEP
DRAWN BY: AOS
CHECKED BY: SM
APPROVED BY: MAHMOOD KARIMZADEH, A.I.A., PRINCIPAL ARCHITECT

SHEET TITLE: TITLE 24 COMPLIANCE FORMS

PROJECT: RANCHO CIENEGA SPORTS COMPLEX
ADDRESS: 5001 RODEO ROAD
LOS ANGELES, CA 90016

WORK ORDER NO. E1907694
PLAN FILE NO.
DRAWING NO. G-018
SHEET OF SHEETS

PLOTTED: 12/22/2016 4:32:03 PM

NOTICE TO CONTRACTORS

1. SPECIFICATIONS: ALL WORK SHALL CONFORM TO THE PROJECT SPECIFICATIONS. WORK NOT COVERED BY THE PROJECT SPECIFICATIONS SHALL CONFORM TO THE LATEST EDITION AND SUPPLEMENTS OF "THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION" PARTS 2 THROUGH 6 (GREEN BOOK) AND THE CORRESPONDING "ADDITIONS AND AMENDMENTS TO THE LATEST EDITION OF THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION" (BROWN BOOK). ALL SHEETS SHALL CONFORM TO THEIR RESPECTIVE PLANS AND THE PROJECT SPECIFICATION BOOK. ANY CONFLICTS SHALL BE BROUGHT TO THE CITY'S PROJECT MANAGER'S ATTENTION IMMEDIATELY.
2. THIS IMPROVEMENT CONSISTS OF WORK CALLED FOR ONLY IN THIS DOCUMENT.
3. IN ADDITION TO OTHER SUBMITTALS REQUIRED BY THE OFFICE OF CONTRACT COMPLIANCE, PRIOR TO THE START OF WORK AND NO LATER THAN 10 CALENDAR DAYS AFTER ISSUANCE OF THE NOTICE TO PROCEED, THE CONTRACTOR SHALL SUBMIT TO THE ENGINEER THE LABOR COSTS BY TRADE. THESE COSTS SHALL INCLUDE ACTUAL DOCUMENTED PAYROLL COSTS INCLUDING WAGES, PAYROLL TAXES AS ESTABLISHED BY LAW (i.e. FICA, FEDERAL AND STATE UNEMPLOYMENT TAXES), FRINGE BENEFITS AS ESTABLISHED BY NEGOTIATED LABOR AGREEMENTS, AND ANY INSURANCE COSTS (SUCH AS WORKMAN'S COMPENSATION, PUBLIC LIABILITY AND PROPERTY DAMAGE INSURANCE) WHICH ARE ASSESSED AGAINST LABOR COSTS. THE CONTRACTOR SHALL ALSO SUBMIT A LIST OF ALL EQUIPMENT PLANNED FOR THIS CONTRACT AND INDICATE THE OWNERSHIP THEREOF.
4. INSPECTION: ALL WORK AND MATERIALS ARE SUBJECT TO INSPECTION PURSUANT TO SECTION 2-11 OF THE STANDARD SPECIFICATIONS. CALL (213) 485-5080 FOR INSPECTION BEFORE NOON OF THE WORKING DAY BEFORE INSPECTION IS REQUIRED.

   CONTINUOUS INSPECTIONS ARE REQUIRED FOR CONCRETE OVER 2500 PSI. CONTINUOUS INSPECTIONS BY SOILS ENGINEER ARE REQUIRED FOR EXCAVATION.
5. THE CONTRACTOR, IN CONFORMANCE WITH LOS ANGELES CITY ORDINANCE NO. 150,478 SHALL POTHOLE EXISTING SUBSURFACE INSTALLATIONS CARRYING UNSTABLE SUBSTANCES TO DETERMINE THEIR LOCATIONS AND ELEVATIONS BEFORE COMMENCING EXCAVATION.
6. UNDERGROUND SERVICE ALERT: BEFORE COMMENCING ANY EXCAVATION, THE CONTRACTOR SHALL OBTAIN AN UNDERGROUND SERVICE ALERT (USA) INQUIRY I.D. NUMBER BY CALLING (800) 227-2600. TWO WORKING DAYS SHALL BE ALLOWED AFTER THE I.D. NUMBER IS OBTAINED AND BEFORE THE CONTRACTOR STARTS THE EXCAVATION WORK SO THAT UTILITY OWNERS CAN BE NOTIFIED. IF THE UTILITY OWNER IS THE CITY OF LOS ANGELES, A CONFIRMATION NUMBER INDICATING THE CITY HAS BEEN NOTIFIED SHALL BE OBTAINED BY USA AND/OR THE CONTRACTOR FROM THE APPROPRIATE CITY DEPARTMENT. THE I.D. NUMBER TOGETHER WITH THE DATE ACQUIRED SHALL BE REPORTED TO THE BUREAU OF CONTRACT ADMINISTRATION WHEN CALLING FOR INSPECTION. I.D. NUMBERS WILL NOT BE GIVEN MORE THAN 10 DAYS BEFORE STARTING EXCAVATION WORK.
7. NOTIFICATION: AT LEAST TEN (10) DAYS BEFORE THE START OF CONSTRUCTION, THE CONTRACTOR SHALL NOTIFY, IN WRITING, ABUTTING PROPERTY OCCUPANTS OF THE PROPOSED CONSTRUCTION START DATE. A COPY OF SAID WRITTEN NOTIFICATION SHALL BE PROVIDED TO THE INSPECTOR FOR APPROVAL BEFORE THEY ARE DISTRIBUTED TO THE OCCUPANTS OF THE ABUTTING PROPERTY.
8. ADVANCE CONSTRUCTION NOTICE SIGNS: IN ADDITION TO SIGNS REQUIRED BY THE PROVISIONS OF THE WORK AREA TRAFFIC CONTROL HANDBOOK (WATCH), LATEST EDITION, AND THE CALIFORNIA MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (MUTCD), LATEST EDITION, FURNISH AND PLACE SIGNS FOR GIVING ADVANCE NOTICE TO MOTORISTS OF TRAFFIC DISRUPTION AS PART OF THIS PROJECT IN ACCORDANCE WITH STANDARD PLANS S-791-1. TIME AND INFORMATION TYPE CONSTRUCTION NOTICE SIGNS (TWO EACH) PER STANDARD PLAN S-791-1 ARE REQUIRED. THE INSPECTOR WILL DETERMINE APPROPRIATE LOCATION(S). THE TIME FOR THE TIME SIGN AND THE TELEPHONE NUMBER FOR THE INFORMATION SIGN WILL BE FURNISHED BY THE ENGINEER AT THE TIME OF CONSTRUCTION. TWO TYPE IV CREDIT SIGNS PER STANDARD PLAN S-792-0 ARE REQUIRED. THE INSPECTOR WILL DETERMINE THE APPROPRIATE LOCATION(S) FOR EACH SEQUENCE OF CONSTRUCTION AND FINAL LOCATION ONCE CONSTRUCTION IS COMPLETED.
9. THE CONTRACTOR SHALL NOT SHUT OFF WATER SERVICE AT THE CURB AT ANY TIME PER CITY OF LOS ANGELES RULES GOVERNING WATER AND ELECTRIC, RULE 16-W, SECTION A.3. SHOULD THE CONTRACTOR REQUIRE THE WATER SERVICE TO BE SHUT OFF TO THE PRIVATE PROPERTY, ARRANGEMENTS SHALL BE MADE SOLELY BY THE CONTRACTOR WITH THE PROPERTY OWNER AND THE CONTRACTOR SHALL PROVIDE THE PROPERTY OWNER WITH AT LEAST 48 HOURS PRIOR NOTICE.
10. SURVEY MONUMENT PRESERVATION IS REQUIRED AND SHALL INCLUDE SUBMITTAL OF PRE AND POST CONSTRUCTION SURVEY MONUMENT TIES TO THE ENGINEER, AS NOTED BY SECTION 2-9.3 OF THE "BROWN BOOK".
11. STRIP AND REMOVE ALL VEGETATION TO A DEPTH OF 6 INCHES AND ALL EXISTING STORMWATER MANAGEMENT RELATED ITEMS WITHIN THE PROJECT LIMITS.
12. TRAFFIC LANE REQUIREMENTS:

    THE CONTRACTOR SHALL COMPLY WITH THE LATEST VERSION OF THE WORK AREA TRAFFIC CONTROL HANDBOOK "WATCH MANUAL" ADOPTED BY THE BOARD OF PUBLIC WORKS FOR ALL TRAFFIC CONTROL AND THE CALIFORNIA MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (MUTCD), LATEST EDITION.

    AT LEAST 6 WEEKS PRIOR TO THE BEGINNING OF CONSTRUCTION WITHIN THE STREET, THE CONTRACTOR SHALL PREPARE AND SUBMIT THE TRAFFIC MITIGATION PLANS TO THE ENGINEER FOR THE LOS ANGELES DEPARTMENT OF TRANSPORTATION (LADOT) REVIEW AND APPROVAL. THE TRAFFIC MITIGATION PLANS SHALL BE PREPARED AND STAMPED BY A TRAFFIC ENGINEER LICENSED BY THE STATE OF CALIFORNIA.
13. TRAFFIC SIGNAL NOTES
    A. TRAFFIC CONTROL SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE WORK AREA TRAFFIC CONTROL HANDBOOK (WATCH) ADOPTED BY THE BOARD OF PUBLIC WORKS OF THE CITY OF LOS ANGELES AND THE CALIFORNIA MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (MUTCD), LATEST EDITION.
    B. THE CONTRACTOR SHALL MAINTAIN ALL EXISTING LADOT TRAFFIC SIGNS. CONTACT THE LADOT SIGN FOREMAN, AT TELEPHONE (323-957-6843), THREE (3) WORKING DAYS PRIOR TO CONSTRUCTION FOR REMOVAL OR REINSTALLATION OF SIGNS. ANY SIGNS LOST OR DAMAGED BY THE CONTRACTOR SHALL BE REPLACED AT CONTRACTOR'S EXPENSE.
    C. IN THE EVENT THAT CONDUIT OR TRAFFIC SIGNAL PULL BOXES INTERFERE WITH PROPOSED CONSTRUCTION, THE CONTRACTOR WILL BE AUTHORIZED BY THE PROJECT ENGINEER TO RELOCATE OR REPLACE THE CONDUIT AND/OR THE PULL BOXES AND WILL BE PAID IN ACCORDANCE WITH SECTION 01254 - CHANGE ORDERS OF THE GENERAL REQUIREMENTS. ALL WORK MUST BE PERFORMED BY A LICENSED CONTRACTOR EXPERIENCED IN TRAFFIC SIGNAL CONSTRUCTION.
    D. IN THE EVENT OF DAMAGE TO EXISTING TRAFFIC SIGNAL EQUIPMENT, CONDUIT AND DETECTOR LOOPS, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE LADOT TRAFFIC SIGNAL SUPERINTENDENT, TELEPHONE (213) 972-4990, AND SHALL BE RESPONSIBLE FOR REPAIR OR REPLACEMENT AT NO COST TO THE CITY. REPAIRED OR REPLACED EQUIPMENT/CONDUIT SHALL BE INSPECTED BY THE TRAFFIC SIGNAL INSPECTOR BEFORE SIGNAL CIRCUITS ARE ENERGIZED.
    E. IF THE METHOD OF CONSTRUCTION INTERFERES WITH ADEQUATE VISIBILITY OF THE VEHICLE AND/OR THE PEDESTRIAN SIGNAL HEADS AT THEIR EXISTING LOCATIONS, THE CONTRACTOR SHALL PREPARE TEMPORARY AND RESTORATION SIGNAL PLANS IN SUPPORT OF THE TRAFFIC CONTROL PLAN. NECESSARY SIGNAL PLANS SHALL BE PREPARED BY A REGISTERED CIVIL/TRAFFIC ENGINEER AND SUBMITTED TO LADOT FOR APPROVAL PRIOR TO START OF CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVAL AND INSTALLATION OF TEMPORARY, AS WELL AS PERMANENT TRAFFIC SIGNAL EQUIPMENT AND THE ENTIRE COST THEREOF SHALL BE BORNE BY THE CONTRACTOR.
14. TRAFFIC CONTROL NOTES
    A. TRAFFIC LANE REQUIREMENTS:

    MAINTAIN ONE LANE OF TRAFFIC IN EACH DIRECTION AT ALL TIMES□OTHERWISE, MAINTAIN ONE LANE OF TRAFFIC WITH FLAG CONTROL FROM 9AM TO 4PM WEEKDAYS. MAINTAIN LOCAL AND EMERGENCY ACCESS AT ALL TIMES. FOLLOW THE 2012 "WATCH" MANUAL AND THE CALIFORNIA MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (MUTCD), LATEST EDITION. IN THE EVENT THAT THE ROAD NEEDS TO BE CLOSED, TRAFFIC MITIGATION PLANS SHALL BE PREPARED IN ACCORDANCE WITH NOTE 12 ON THIS SHEET.

    THE CONTRACTOR SHALL NOTIFY LADOT'S SPECIAL TRAFFIC CONTROL DIVISION AT (213) 485-2298, FOUR (4) WORK DAYS PRIOR TO THE START OF CONSTRUCTION FOR THE POSTING OF TEMPORARY "TOW AWAY NO STOPPING" SIGNS AS NEEDED.

    B. TRAFFIC CONTROL DEVICE MAINTENANCE:

    THE CONTRACTOR SHALL MAKE ARRANGEMENTS FOR THE RESTORATION OF ALL OBLITERATED STRIPING AND PAVEMENT MARKINGS AND FOR THE REINSTALLATION OF ALL OTHER MISSING OR DAMAGED TRAFFIC CONTROL DEVICES (I.E., SIGNS, CURB MARKINGS, STAMPED CROSSWALKS, PARKING METERS, ETC.). WHEN NECESSARY, ADDITIONAL RELATED TRAFFIC CONTROL DEVICES, INCLUDING, BUT NOT LIMITED TO, DETOUR/CONSTRUCTION WORKSITE TRAFFIC CONTROL DEVICES SHALL BE INSTALLED IN SUPPORT OF THE PROJECT. THE CONTRACTOR WILL BE REQUIRED TO PHYSICALLY INSTALL THESE TRAFFIC CONTROL DEVICES TO THE FULL SATISFACTION OF LADOT, BUT THE CITY MAY CHOOSE TO INSTALL NONE, SOME, OR ALL OF THE SAID TRAFFIC CONTROL DEVICES. THE ENTIRE COST THEREOF SHALL BE BORNE BY THE CONTRACTOR (UNLESS PAYMENT BY THE CITY IS PRE-APPROVED BY A CITY AGENCY). ALL STRIPING AND PAVEMENT MARKINGS SHALL BE INSTALLED UTILIZING THERMOPLASTIC MATERIALS PER LADOT SPECIFICATIONS. THE CONTRACTOR SHALL CONTACT LADOT'S WESTERN DISTRICT OFFICE AT (310) 575-8138 FIVE (5) MAINTENANCE.

    FOR QUESTIONS REGARDING TRAFFIC LANE REQUIREMENTS, PLEASE CALL THE CENTRAL DISTRICT OFFICE, LADOT AT (213) 972-4990.
15. STREET IMPROVEMENTS:
    A. PAVING OF ROADWAY AREAS SHALL BE WITHHELD UNTIL THE STORM DRAIN WORK HAS BEEN APPROVED BY UNDERGROUND FINAL INSPECTION.
    B. DRIVEWAYS SHALL BE CONSTRUCTED PER STANDARD PLAN S-440-4, UNLESS OTHERWISE SHOWN ON THE PLAN.
    C. ALL DRIVEWAYS SHALL BE CONSTRUCTED ON BASE MATERIAL OF THE SAME KIND AND THICKNESS AS THAT PLACED UNDER THE CONCRETE SIDEWALK.
    D. CURB RAMPS SHALL BE CONSTRUCTED PER STANDARD PLAN PWC 111-5, AS SHOWN ON THE PLAN.
    E. CONSTRUCTION STAKES FOR CURB AND LONGITUDINAL GUTTER, WITH GRADE LESS THAN 0.50 %, SHALL BE SET 12.5 FEET ON THE CENTER.
16. STORM WATER POLLUTION CONTROL: THE CONTRACTOR SHALL COMPLY WITH THE PROVISIONS IN PROJECT SPECIFICATIONS.
17. ELEVATIONS SHOWN ON THESE PLANS ARE REFERENCED FROM NGVD 1929 DATUM.
18. CONTRACTORS ARE REQUIRED TO EXAMINE AND JUDGE, AS THEIR OWN RESPONSIBILITY, THE LOCATION, PHYSICAL CONDITIONS, AND SURROUNDINGS OF PROPOSED WORK.
19. THE LOCATION OF THE EXISTING UTILITIES AND SUBSTRUCTURES SHOWN HEREON HAVE BEEN TAKEN FROM RECORDS. THE ENGINEER DOES NOT WARRANT THE COMPLETENESS OR CORRECTNESS OF THE LOCATIONS. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO LOCATE ALL UNDERGROUND FACILITIES, BEFORE COMMENCING WORK, AND PROTECT THEM FROM DAMAGE. SHOULD UTILITIES BE ENCOUNTERED THAT ARE NOT INDICATED, NOTIFY THE ENGINEER IMMEDIATELY. MARK HIGH VOLTAGE ELECTRICAL SERVICES WITH PROPER WARNING SIGNS AND BARRICADES.
20. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL PERMITS AND INSPECTIONS REQUIRED BY THE DEPARTMENT OF BUILDING AND SAFETY AND THE PROJECT SPECIFICATIONS.
21. THE CONTRACTOR SHALL BE RESPONSIBLE FOR BARRICADING ITS WORK AREA TO PREVENT VEHICLES FROM PARKING IN THE PROPOSED LINE OF OPERATIONS. ANY DAMAGE TO PARKED VEHICLES CAUSED BY THE CONSTRUCTION OPERATIONS SHALL BE THE CONTRACTOR'S LIABILITY.
22. THE LOCATIONS OF IRRIGATION PIPING, WIRING AND EQUIPMENT ARE UNKNOWN. THE CONTRACTOR SHALL MAINTAIN A TEMPORARY SYSTEM AND REPLACE ANY IRRIGATION FACILITIES DAMAGED BY CONSTRUCTION TO PRE-CONSTRUCTION CONDITIONS.
23. ANY STREET, CURB, GUTTER, DRAIN OR PAVED AREA WHICH ARE DAMAGED OR REMOVED DURING CONSTRUCTION OF THIS PROJECT SHALL BE RETURNED TO ITS ORIGINAL CONDITION.
24. A GEOTECHNICAL ENGINEERING REPORT BY THE CITY'S GEOTECHNICAL ENGINEERING GROUP (W.O. #E1907694, GEO FILE #15-002), DATED MAY 27, 2015, HAS BEEN INCORPORATED INTO THE PROJECT PLANS & SPECIFICATIONS AS A GEOTECHNICAL DATA REPORT. THE CONTRACTOR SHALL COMPLY WITH THE RECOMMENDATIONS PRESENTED IN THE REPORT.
25. PROVIDE FIRE DEPARTMENT ACCESS DURING CONSTRUCTION - THERE SHALL BE NO BLOCKAGE OF EXISTING HYDRANTS. IF EXISTING HYDRANTS ARE TO BE REMOVED OR ARE INACCESSIBLE CHECK WITH FIRE DEPARTMENT FOR INTERIM REQUIREMENTS.
26. CONTRACTOR SHALL PROVIDE ALL REQUIRED NOISE AND VIBRATION ABATEMENT TO MEET ALL STATE AND LOCAL ORDINANCES AND CODES.
27. ALL EXCAVATIONS SHALL BE KEPT FREE OF WATER. DEWATERING EFFLUENT SHALL BE DISCHARGED TO THE CITY SEWER SYSTEM OR THE ADJACENT STORM DRAIN. CONTRACTOR SHALL OBTAIN A PERMIT FOR THE DISCHARGE FROM THE CITY OF LOS ANGELES, BUREAU OF SANITATION (BOS) OR THE RWQCB AS NECESSARY. WATER SHALL BE TREATED PER BOS (OR RWQCB). REQUIREMENTS PRIOR TO DISCHARGING TO THE SEWER OR STORM DRAIN. DISCHARGE FLOWS TO THE SEWER SYSTEM MAY BE RESTRICTED DUE TO THE LIMITED CAPACITY.
28. SEWER CONSTRUCTION NOTES: ALL SEWER MAINTENANCE HOLES SHOWN HEREON TO BE ADJUSTED TO GRADE SHALL BE ADJUSTED TO FINISHED GRADE IN ACCORDANCE WITH STANDARD PLAN S-137-1.
29. STORM DRAIN CONSTRUCTION NOTES:
    A. ALL STORM DRAIN MAINTENANCE HOLES SHOWN HEREON TO BE ADJUSTED TO GRADE SHALL BE ADJUSTED TO FINISHED GRADE IN ACCORDANCE WITH STANDARD PLAN S-137-1.
    B. PROTECTION BARS SHALL BE INSTALLED ON ALL SIDE OPENING CATCH BASINS UNLESS INDICATED OTHERWISE ON PLAN.
    C. PER BUREAU OF ENGINEERING SPECIAL ORDER NO. 007-0701, DATED JULY 16, 2001, THE LATEST APWA STANDARD PLANS FOR PUBLIC WORKS CONSTRUCTION - SOUTHERN CALIFORNIA CHAPTER, SHALL BE UTILIZED IN LIEU OF OLDER/RETIRED BUREAU OF ENGINEERING STANDARD PLANS FOR STORM DRAIN CONSTRUCTION.
    D. TRENCH BACKFILL FOR ALL STORM DRAINS CONSTRUCTED IN DRAINAGE EASEMENTS SHALL BE MECHANICALLY COMPACTED TO A RELATIVE DENSITY OF 90%.
31. REMOVALS:
    A. REMOVE ALL EXISTING IMPROVEMENTS THAT INTERFERE WITH THE CONSTRUCTION OF THIS PROJECT.
    B. ALL UTILITIES SHALL BE REMOVED OR RELOCATED BY OTHERS.
32. CASE 1 BEDDING PER STANDARD PLAN S-251-1 SHALL BE PLACED IN ALL TRENCHES, EXCEPT WHERE INDICATED IN SCHEDULE OF REPAIRS.
33. SHORING SHALL COMPLY WITH THE CALIFORNIA ADMINISTRATIVE CODE, TITLE 8□CONSTRUCTION SAFETY ORDERS, "INJURY AND ILLNESS PREVENTION - SAFETY MEASURES" OF THE GENERAL CONDITIONS AND "EXCAVATION SHORING, FORMS, & FALSE WORK" OF THE GENERAL REQUIREMENTS. SHORING PLANS SHALL BE SUBMITTED TO THE PROJECT ENGINEER FOR REVIEW AND APPROVAL. SHORING PLANS SHALL BE DESIGNED IN ACCORDANCE WITH RECOMMENDATIONS OF THE PROJECT GEOTECHNICAL ENGINEERING REPORT.
34. FOR TRENCHES OR EXCAVATIONS 5 FEET OR MORE IN DEPTH INTO WHICH A PERSON IS REQUIRED TO DESCEND, THE CONTRACTOR SHALL OBTAIN NECESSARY PERMITS FROM THE STATE OF CALIFORNIA DIVISION OF INDUSTRIAL SAFETY PRIOR TO THE ISSUANCE OF A BUILDING OR GRADING PERMIT.
35. THE CONTRACTOR SHALL PROTECT ALL EXISTING UTILITIES AND SUPPORT WATER CONDUITS AT TRENCH CROSSINGS IN ACCORDANCE WITH DEPARTMENT OF WATER AND POWER STANDARD DRAWINGS B1453-1A, A3615-A, A3716, AND A9219. THE CONTRACTOR SHALL SUPPORT POWER CONDUITS IN ACCORDANCE WITH DEPARTMENT OF WATER AND POWER STANDARD DRAWINGS 1-222 AND 1-224.
36. LAY DOWN AREA:
    A. ALL REPAIRS TO CONSTRUCTION LAYDOWN AREAS AND TEMPORARY IMPROVEMENTS SHALL BE INSPECTED AND APPROVED BY THE INSPECTOR AND/OR AN AUTHORIZED REPRESENTATIVE OF THE PROPERTY OWNER PER REQUEST.
    B. THE CONTRACTOR SHALL REMOVE, RE-GRADE AND, WHEN NECESSARY, BACKFILL TO RESTORE THE CONSTRUCTION LAYDOWN ACCESS AND TEMPORARY IMPROVEMENTS TO ITS ORIGINAL/FORMER CONDITION AT THE COMPLETION OF THE WORK.
    C. THE CONTRACTOR SHALL BACKFILL EXCAVATED AREAS WITH ENGINEERED FILL UP TO THE ORIGINAL GRADE, UNLESS OTHERWISE SPECIFIED OR INDICATED ON THESE PLANS. BACKFILL PIPE TRENCH ACCESSES ONLY AFTER PIPING HAS BEEN INSPECTED.
    D. THE LAYDOWN AREA MAY BE MOVED THROUGHOUT CONSTRUCTION TO FACILITATE CONSTRUCTION AT NO ADDITIONAL COST TO THE CITY.
37. GRADING NOTES:
    A. REGISTERED DEPUTY GRADING INSPECTOR IS REQUIRED ON GRADING EARTHWORK WHERE SITE EXCEEDS 60,000 SF.
    B. ALL GRADING SLOPES SHALL BE PLANTED AND SPRINKLERED PER THE PLANS AND SPECIFICATIONS.
    C. STANDARD 12 INCH HIGH BERM IS REQUIRED AT TOP OF ALL GRADE SLOPES.
    D. NO FILL TO BE PLACED, UNTIL THE CITY GRADING INSPECTOR HAS INSPECTED AND APPROVED THE BOTTOM EXCAVATION.
    E. MAN-MADE FILL SHALL BE COMPACTED TO A MINIMUM RELATIVE COMPACTION OF 90% MAXIMUM DRY DENSITY WITHIN 40 FEET BELOW FINISH GRADE AND 93% OF MAXIMUM DRY DENSITY DEEPER THAN 40 FEET BELOW FINISH GRADE, UNLESS A LOWER RELATIVE COMPACTION (NOT LESS THAN 90% OF MAXIMUM DRY DENSITY) IS JUSTIFIED BY THE SOILS ENGINEER, UNLESS A HIGHER RELATIVE COMPACTION PERCENTAGE IS NOTED ELSEWHERE IN THE CONTRACT DOCUMENTS.
    F. TEMPORARY EROSION CONTROL TO BE INSTALLED BETWEEN OCTOBER 1 AND APRIL 15. OBTAIN GRADING INSPECTOR'S AND DEPARTMENT OF PUBLIC WORKS APPROVAL OF PROPOSED PROCEDURES.
    G. CONTRACTOR SHALL COMPLY WITH THE GRADING REQUIREMENTS AND CONDITIONS DEFINED IN THE PROJECT SPECIFIC GRADING PERMIT ISSUED BY LOS ANGELES DEPARTMENT OF BUILDING AND SAFETY INCLUDED IN THE PROJECT SPECIFICATIONS.
38. CONTINUOUS INSPECTION BY THE SOILS ENGINEER/GEOLOGIST IS REQUIRED FOR REMOVAL AND RECOMPACTION. IT IS ALSO REQUIRED FOR THE EXCAVATION FOR SHORING.
39. THE CONSTRUCTION SHALL NOT RESTRICT A FIVE-FOOT CLEAR AND UNOBSTRUCTED ACCESS TO ANY WATER OR POWER DISTRIBUTION FACILITIES (POWER POLES, PULL-BOXES, TRANSFORMERS, VAULTS, PUMPS, VALVES, METERS, APPURTENANCES, ETC.) OR TO THE LOCATION OF THE HOOKUP. THE CONSTRUCTION SHALL NOT BE WITHIN TEN FEET OF ANY POWER LINES-WHETHER OR NOT THEY ARE LOCATED ON THE PROPERTY. FAILURE TO COMPLY MAY CAUSE CONSTRUCTION DELAYS AND/OR ADDITIONAL EXPENSES.
40. RETAINING WALLS LOCATED CLOSER TO THE PROPERTY LINE THAN THE HEIGHT OF THE WALL SHALL BE BACKFILLED NOT LATER THAN 10 DAYS AFTER CONSTRUCTION OF THE WALL AND NECESSARY STRUCTURAL SUPPORTING MEMBERS UNLESS RECOMMENDED OTHERWISE BY RESPONSIBLE ENGINEER.
41. COMPLY WITH NOTIFICATION OF ADJOINING PROPERTY BY GIVING A 30-DAY WRITTEN NOTICE (BY CERTIFIED MAIL AND RETURN RECEIPT) PER LADBS P/BC 2014-060 TO ADJACENT PROPERTY OWNERS, OF INTENT TO EXCAVATE WHERE EXCAVATION IS DEEPER THAN THE FOUNDATION OF ADJOINING BUILDING OR LOCATION CLOSER TO PROPERTY LINE THAN THE DEPTH OF EXCAVATION.
37. GEOTECHNICAL NOTES:
    A. ALL EARTHWORK SHALL BE PERFORMED IN ACCORDANCE WITH THE GEOTECHNICAL RECOMMENDATIONS PRESENTED IN THE PROJECT'S GEOTECHNICAL REPORT AND THE LADBS GRADING DIVISION REQUIREMENTS. FURTHERMORE, ALL EARTHWORK SHOULD BE PERFORMED UNDER THE OBSERVATION AND TESTING OF THE GEOTECH OR THEIR REPRESENTATIVE.
    B. DEMOLITION MATERIALS SHOULD BE REMOVED FROM THE CONSTRUCTION AREA AND HAULED TO A PROPER DISPOSAL AREA. IF DESIRED, EXISTING PAVEMENT MATERIALS MAY BE CRUSHED TO MEET CRUSHED MISCELLANEOUS BASE SPECIFICATIONS. ALL DEPRESSIONS CREATED AS A RESULT OF THE DEMOLITION AND/OR SITE PREPARATION SHALL BE PROPERLY BACKFILLED WITH COMPACTED FILL.
    C. ANY UTILITIES, WHETHER ACTIVE OR INACTIVE SHALL BE IDENTIFIED AND, IF REQUIRED, PROPERLY ABANDONED OR RELOCATED. ANY DEPRESSIONS RESULTING FROM REMOVAL OF ANY EXISTING FOUNDATIONS OR UTILITY LINES SHALL BE PROPERLY BACKFILLED AND COMPACTED IN ACCORDANCE WITH THE RECOMMENDATIONS OF THE FOLLOWING SECTIONS.
    D. FOR PILE-SUPPORTED STRUCTURES, OVER-EXCAVATION AND RECOMPACTION IS NOT REQUIRED□HOWEVER, THE SOIL BENEATH PILE CAPS SHALL BE SCARIFIED 6 INCHES, MOISTURE CONDITIONED, AND COMPACTED TO AT LEAST 90 PERCENT RELATIVE COMPACTION (RC).
    E. OVER-EXCAVATION IS REQUIRED BENEATH STRUCTURAL MAT FOUNDATIONS, NEW PAVEMENTS, SITE WALLS, AND EXTERIOR CONCRETE SLABS. FOLLOWING OVER-EXCAVATION IN THESE AREAS, THE EXPOSED SUBGRADE (I.E. EXCAVATION BOTTOM) SHALL BE SCARIFIED 6 INCHES, MOISTURE CONDITIONED AND COMPACTED TO AT LEAST 90 PERCENT RC.
    F. THE EXISTING SOIL IN THE UPPER 3½ FEET BENEATH STRUCTURAL MAT FOUNDATIONS SHALL BE REMOVED. THE EXCAVATION SHOULD EXTEND 3 FEET LATERALLY BEYOND THE EDGES OF THE FOOTING OR THICKENED EDGE. THE EXCAVATION BOTTOM SHALL BE APPROVED BY A REPRESENTATIVE OF THE GEOTECH AND THE LADBS GRADING INSPECTOR PRIOR TO FILL PLACEMENT. THE OVER-EXCAVATION AND COMPACTED FILL PLACEMENT SHALL RESULT IN A MINIMUM OF 3 FEET OF COMPACTED FILL BENEATH THE THICKENED EDGE OF THE MAT. THE THREE FOOT ZONE OF COMPACTED FILL INCLUDES THE SCARIFIED AND RECOMPACTED PORTION (APPROXIMATELY 6 INCHES) ALONG THE BOTTOM OF THE EXCAVATION.
    G. THE SOIL BENEATH NEW PAVEMENTS AND SITE WALLS UP TO 8-FEET HIGH SHALL BE EXCAVATED TO A DEPTH OF 18 INCHES BELOW EXISTING GRADE OR DESIGN SUBGRADE ELEVATION, WHICHEVER IS DEEPER. THE EXCAVATION SHALL EXTEND LATERALLY BEYOND THE EDGES OF THE SLAB OR FOOTINGS A MINIMUM DISTANCE OF 2 FEET. FOR NEW SITE WALLS, THE OVER-EXCAVATION AND RECOMPACTION SHALL RESULT IN AT LEAST 1 FOOT OF COMPACTED FILL BENEATH THE FOOTINGS. FOR NEW PAVEMENTS, THE OVER-EXCAVATION AND RECOMPACTION SHALL RESULT IN AT LEAST 1 FOOT OF COMPACTED SUBGRADE BENEATH THE PAVEMENT SECTION, WHICH INCLUDES THE AGGREGATE BASE AND ASPHALT.
    H. THE SOIL BENEATH NEW FLATWORK (I.E. EXTERIOR CONCRETE SLABS) SHOULD BE OVER EXCAVATED TO A DEPTH OF 12 INCHES BELOW SUBGRADE ELEVATION. THE EXCAVATION SHOULD EXTEND LATERALLY BEYOND THE EDGES OF THE SLAB A MINIMUM DISTANCE OF 12 INCHES.
    I. UNSURCHARGED, TEMPORARY VERTICAL EXCAVATIONS SHALL NOT EXCEED 4 FEET. UNSURCHARGED EXCAVATIONS GREATER THAN 4 FEET AND TO A MAXIMUM OF 7 FEET SHALL BE SLOPED AT A 1-1/2:1 (H:V) OR FLATTER INCLINATION FROM THE GROUND SURFACE TO THE BOTTOM OF THE EXCAVATION. TEMPORARY SLOPES FOR THE POOL, WHICH ARE EXPECTED TO EXTEND TO ABOUT 15 FEET DEEP, SHALL BE SLOPED BACK NO STEEPER THAN 2:1 (H:V). IF DEEPER EXCAVATIONS ARE PROPOSED, THEY SHALL BE REVIEWED BY THE GEOTECH AND SUPPLEMENTAL RECOMMENDATIONS MAY BE REQUIRED.
    J. CANTILEVER OR BRACED SHORING MAY BE CONSIDERED AT THIS SITE AS AN ALTERNATIVE TO TEMPORARY EXCAVATIONS. REFER TO SECTION 6.2.4 OF GEOTECHNICAL ENGINEERING REPORT DATED MAY 27, 2015 FOR TEMPORARY SHORING RECOMMENDATIONS.
    K. DEWATERING WILL BE REQUIRED FOR CONSTRUCTION OF THE POOL, AND IT MAY BE REQUIRED TO FACILITATE INSTALLATION OF UTILITIES DEPENDING ON THEIR DEPTHS. THE PREPARATION OF A CONCEPTUAL DEWATERING PLAN FOR THE POOL SHALL BE PREPARED BY THE CONTRACTOR AND REVIEWED BY THE GEOTECH.

BUREAU OF ENGINEERING
OFFICIAL RECORD

PLANS PREPARED BY:
TETRA TECH, INC.
3475 E. Foothill Blvd.
Pasadena, CA 91107
Phone: (626) 351-4664 Fax: (626) 351-5291

BID SUBMITTAL - DATED DEC. 15, 2016

CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS

ENGINEERING
CITY OF LOS ANGELES

BUREAU OF ENGINEERING

NO.	REVISIONS:	DATE:	BY:

BUILDING NO. XX/XX

INDEX NO. - RP 300094

REGISTERED PROFESSIONAL ENGINEER
No. 67032
REN: 6/30/18
CIVIL
STATE OF CALIFORNIA

CITY OF LOS ANGELES
DEPARTMENT OF PUBLIC WORKS
BUREAU OF ENGINEERING

GARY LEE MOORE, PE, ENV SP CITY ENGINEER
DATE:
LIC. NO. 67032
ARCHITECTURAL DIVISION
ENGINEER: JOSEPH E. DIETZ
DESIGNED BY: JS
DRAWN BY: JS
CHECKED BY: JD
APPROVED BY:

VERTICAL CONTROL:
HORIZONTAL CONTROL:

SHEET TITLE: GENERAL CIVIL NOTES
PROJECT: RANCHO CIENEGA SPORTS COMPLEX
ADDRESS: 5001 RODEO ROAD
LOS ANGELES, CA 90016

WORK ORDER NO. E1907694
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REVISION DATE: 12/7/2016 5:18 PM FILE P: 85842.135-85842-15002 CAD SHEETFILES C-001 □CIVIL GENERAL NOTES.DWG

37. GEOTECHNICAL NOTES (CONTINUED):

L. FILL MATERIALS MAY CONSIST OF THE ONSITE SANDY SILT OR SILTY SAND SOILS OR APPROVED IMPORT SOIL. THE ONSITE COMPRESSIBLE SILTS AND CLAYS ARE NOT ACCEPTABLE FOR REUSE AS FILL MATERIAL. IMPORT SOIL SHALL BE PREDOMINANTLY GRANLAR (MINIMUM 80% PASSING NUMBER 4 SIEVE AND 35% OR LESS PASSING THE NUMBER 200 SIEVE), NON-EXPANSIVE (EI LESS THAN 40), AND SHALL BE FREE OF ORGANIC OR INORGANIC DEBRIS, CONTAMINATION AND MATERIALS WITH ANY DIMENSION LARGER THAN 3 INCHES. PROPOSED IMPORT SOIL SHALL BE REVIEWED BY THE GEOTECH FOR APPROVAL PRIOR TO DELIVERY TO THE JOB SITE. THE GEOTECH SHALL BE NOTIFIED A MINIMUM OF THREE WORKING DAYS PRIOR TO SCHEDULED IMPORTING OF SOIL TO THE PROJECT SITE.

M. FILL MATERIAL SHALL BE PLACED IN LOOSE LIFTS NOT EXCEEDING 8 INCHES IN THICKNESS, MOISTURE-CONDITIONED TO WITHIN 3 PERCENT ABOVE THE OPTIMUM MOISTURE CONTENT AND MECHANICALLY COMPACTED. CLAYEY SOILS (SOILS WITH 15% OR MORE FINER THAN 0.005MM) PLACED BENEATH STRUCTURAL MAT FOUNDATIONS SHALL BE COMPACTED TO A MINIMUM OF 90 PERCENT RC, AS DETERMINED BY ASTM TEST METHOD D1557. NON CLAYEY SOILS (LESS THAN 15% FINER THAN 0.005MM) PLACED IN BUILDING AREAS SHALL BE COMPACTED TO A MINIMUM OF 95 PERCENT RC.

N. ALL SECONDARY FILL PLACED IN NON-STRUCTURAL AREAS SHALL BE MOISTURE-CONDITIONED TO WITHIN 3 PERCENT ABOVE THE OPTIMUM MOISTURE CONTENT AND COMPACTED TO A MINIMUM OF 90 PERCENT RC, AS DETERMINED BY ASTM TEST METHOD D1557. AGGREGATE BASE SHALL BE MOISTURE CONDITIONED TO WITHIN 3 PERCENT ABOVE OPTIMUM AND COMPACTED TO A MINIMUM OF 95 PERCENT RC.

O. FILL PLACEMENT AND COMPACTION SHALL BE OBSERVED AND TESTED BY A CERTIFIED COMPACTION TESTING AGENCY WORKING UNDER THE DIRECT SUPERVISION OF THE GEOTECH. COMPACTED FILL SOILS SHALL BE KEPT MOIST, (AT OR SLIGHTLY ABOVE THE SPECIFIED MOISTURE CONTENT AT THE TIME OF COMPACTION) BUT NOT FLOODED, UNTIL COVERED WITH SUBSEQUENT CONSTRUCTION. IF COMPACTED FILL SOILS BECOME SOFTENED OR DISTURBED, THEY SHALL BE REPLACED OR RECOMPACTED AT THE DISCRETION OF THE GEOTECHNICAL ENGINEER BEFORE ADDITIONAL FILL OR CONSTRUCTION IS PLACED. CERTIFICATION AND INSPECTION APPROVALS FOR COMPROMISED SOILS ARE VOID AND INVALID.

P. TRENCH EXCAVATIONS FOR UTILITY PIPES SHALL BE BACKFILLED UNDER THE OBSERVATION OF A REPRESENTATIVE OF THE GEOTECH. AFTER UTILITY PIPES HAVE BEEN LAID, PROPERLY BEDDED, AND COVERED PER THE PROJECT SPECIFICATIONS, THEY SHALL BE BACKFILLED TO THE GROUND SURFACE OR DESIGN SUBGRADE WITH CONTROLLED BACKFILL. CONTROLLED BACKFILL SHALL BE MOISTURE CONDITIONED, PLACED AND COMPACTED IN ACCORDANCE WITH THE RECOMMENDATIONS PRESENTED ABOVE (SECTION 6.2.6). DENSIFICATION BY FLOODING OR JETTING IS NOT ALLOWED.

Q. UPON SUCCESSFUL COMPLETION OF FILL PLACEMENT AND COMPACTION, THE GEOTECH WILL ISSUE A COMPACTION CERTIFICATION FOR THE FILL. UNLESS APPROVED BY THE BUILDING INSPECTOR DURING CONSTRUCTION, THE CONTRACTOR SHALL NOT POUR FOOTINGS UNTIL AN APPROVAL LETTER IS ISSUED BY THE DEPARTMENT OF BUILDING AND SAFETY, GRADING DIVISION FOR THE COMPACTION CERTIFICATION. THE CONTRACTOR MAY EXCAVATE IN COMPACTED FILL FOR FOUNDATION ELEMENTS BEFORE THE FILL CERTIFICATION APPROVAL LETTER IS ISSUED, BUT DOES SO AT HIS/HER OWN RISK.

R. THE SPORTS COMPLEX, MEZZANINE, POOL, POOL DECK, AND METAL WALL PANELS SHALL BE SUPPORTED ON DEEP FOUNDATIONS. REFER TO SECTION 6.3 OF GEOTECHNICAL ENGINEERING REPORT DATED MAY 27, 2015 FOR DEEP FOUNDATION RECOMMENDATIONS.

S. ALL GRADING, EXCAVATION, AND CONSTRUCTION OF FOUNDATIONS SHOULD BE PERFORMED UNDER THE OBSERVATION AND TESTING OF THE GEOTECHNICAL ENGINEER DURING THE FOLLOWING STAGES:

- DEMOLITION;
- PILE INDICATOR PROGRAM;
- PILE LOAD TESTING;
- COMPLETION OF SITE CLEARING;
- SITE AND POOL EXCAVATION;
- INSTALLATION OF SHORING;
- PRODUCTION PILE INSTALLATION;
- SUBGRADE PREPARATION;
- FILL PLACEMENT;
- CONSTRUCTION OF STRUCTURAL MAT FOUNDATIONS FOR ACCESSORY STRUCTURES;
- EXCAVATION AND BACKFILLING OF ALL UTILITY TRENCHES; AND
- WHEN ANY UNUSUAL OR UNEXPECTED GEOTECHNICAL CONDITIONS ARE ENCOUNTERED.

38. DEMOLITION NOTES:

A. LOCATIONS OF EXISTING UTILITIES ARE APPROXIMATE AND BASED ON RECORD DRAWINGS. ACTUAL CONDITIONS MAY VARY. LOCATIONS OF EXISTING DOMESTIC WATER LINES, IRRIGATION LINES, SEWER LINES, ELECTRICAL LINES, GAS LINES, TELCOM LINES, CTV LINES, AND STORM DRAIN LINES WITHIN THE SITE ARE UNKNOWN.

B. EXISTING IRRIGATION SYSTEM MAINLINES TO BE PROTECTED IN PLACE. VALVE BOXES TO BE RELOCATED AS NECESSARY FOR THE PROPOSED IMPROVEMENTS. SEE IRRIGATION PLANS FOR IRRIGATION DEMOLITION NOTES.

C. DOMESTIC WATER SYSTEM TO BE REPLACED UNLESS NOTED OTHERWISE. SYSTEM TO BE DISCONNECTED FROM THE DOMESTIC SUPPLY. SURFACE FEATURES TO BE REMOVED. PIPELINE AND VALVES TO BE ABANDONED IN PLACE UNLESS UNLESS THERE IS A CONFLICT WITH THE PROPOSED IMPROVEMENTS OR PROPOSED CHANGES IN GRADE.

D. EXISTING ON-SITE STORM DRAIN SYSTEM TO BE REPLACED. CONTRACTOR TO VERIFY THE EXISTENCE OF ANY LATERAL CONNECTIONS TO THE SITE'S EXISTING STORM DRAIN SYSTEM FROM OFF-SITE, THE JACKIE ROBINSON STADIUM, THE CHILD CARE CENTER, AND THE EXISTING POOL BUILDING. THE CONTRACTOR SHALL NOTIFY THE ENGINEER OF ANY POTENTIAL CONFLICTS. ALL EXISTING LATERALS AFFECTED BY THE PROPOSED IMPROVEMENTS SHALL BE REDIRECTED TO A DOWNSTREAM DRAINAGE STRUCTURE APPROVED BY THE ENGINEER.

E. REFER TO THE ELECTRICAL PLANS FOR ELECTRICAL DEMOLITION NOTES.

F. EXISTING UNDERGROUND UTILITIES MUST BE PROTECTED IN PLACE UNLESS NOTED OTHERWISE PER PLAN.

G. REMOVE ALL PAVEMENT STRIPING WITHIN PROJECT LIMITS.

H. REFER TO PROJECT SPECIFICATIONS FOR DEMOLITION REQUIREMENTS.

I. TREES TO BE REMOVED SHALL BE TAGGED BY CONTRACTOR PRIOR TO DEMOLITION. CONTRACTOR SHALL REMOVE TREES AFTER APPROVAL FROM THE CITY OF LOS ANGELES DEPARTMENT OF RECREATION AND PARKS.

J. CONTRACTOR SHOULD BE PREPARED TO HANDLE OVERSIZED CONCRETE MATERIAL AND BE ABLE TO BREAK SAID MATERIAL INTO SMALLER PIECES AS MAY BE NECESSARY TO REMOVE AND PROPERLY DISPOSE OF OFFSITE AT NO ADDITIONAL COST TO THE CITY.

K. BUILDINGS DEMOLITION SHALL INCLUDE THE REMOVAL OF ALL SURFACE AND BELOW GRADE IMPROVEMENTS.

STANDARD PLANS FOR THIS PROJECT

WITH EXCEPTION TO THE APWA PWC STANDARD PLANS, A COPY OF THE LISTED STANDARD PLANS HAVE BEEN INCLUDED AS AN ATTACHMENT IN THE SPECIFICATIONS.

APWA STANDARD PLANS FOR PUBLIC WORKS CONSTRUCTION (PWC) - SOUTHERN CALIFORNIA CHAPTER

NUMBER	ITEM
151-2	PARKWAY DRAIN
152-2	RECTANGULAR FRAME AND COVER
208-2	BREAKING INTO EXISTING MANHOLE
324-2	MANHOLE SHAFT - WITH ECCENTRIC REDUCER
331-3	JUNCTION STRUCTURE - PIPE TO PIPE □INLET ID □ 24" (600 MM) OR OD □ ½ MAIN LINE ID□
332-2	JUNCTION STRUCTURE - PIPE TO PIPE □INLET ID □ 24" (600 MM)□
335-2	PIPE CONNECTIONS TO EXISTING STORM DRAINS
381-2	ABANDONMENT SEALS FOR MANHOLES AND INLETS
622-3	CONCRETE BLOCK SLOUGH WALL
630-4	24" (610 MM) MANHOLE FRAME AND COVER
635-3	STEEL STEP

CITY OF LOS ANGELES - BUREAU OF ENGINEERING STANDARD PLAN

NUMBER	ITEM
S-137-1	ADJUSTING SEWER MAINTENANCE HOLES TO GRADE
S-164-0	TERMINAL CLEANOUT STRUCTURE "Y"
S-241-0	REINFORCED CONCRETE PIPE
S-251-1	PIPE LAYING IN TRENCHES
S-381-0	MANHOLE "EZ"
S-410-2	TYPES OF CURB AND GUTTER
S-430-1	JOINTS IN CONCRETE PAVEMENT
S-440-4	DRIVEWAYS
S-442-3	CURB RAMPS
S-444-0	SIDEWALKS
S-463-2	PEDESTRIAN PIPE GUARDRAILS & HANDRAILS
S-525-0	CONCRETE STAIRWAY
S-601-3	HANDHOLES, MAINTENANCE HOLE COVERS AND FRAMES, DETECTABLE WARNING SURFACE, TREE WELL COVERS, PAVERS AND SIMILAR INSTALLATIONS
S-691-0	CHAIN LINK FENCE AND GATES
S-791-1	ADVANCE CONSTRUCTION NOTICE SIGNS
S-792-0	BUILDING CREDIT SIGNS

EARTHWORK QUANTITIES

	CUT (RAW)	FILL (RAW)	(IMPORT) /EXPORT
PHASES 1 & 2	9128 CY	2305 CY	6823 CY

EARTHWORK QUANTITIES SHOWN ON THIS PLAN ARE APPROXIMATE ESTIMATES SHOWN FOR AGENCY APPROVAL PURPOSES ONLY, AND ARE BASED UPON THE PLAN ELEVATIONS SHOWN AND ON THE GROUND ELEVATIONS WHICH EXISTED AT THE TIME OF THE TOPOGRAPHIC SURVEY .

THE CITY OF LOS ANGELES OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF ELECTRONIC COPIES OF THIS PLAN SHEET.

TEMPLATE SHEET REVISION DATE: 08/2014
REVISION DATE: 12/13/2016 2:38 PM
FILE: P: 85842.135-85842-150/02 CAD SHEETFILES C-002: CIVIL GENERAL NOTES.DWG

REVISION DATES (DESIGN STAGE ONLY)

BUREAU OF ENGINEERING
OFFICIAL RECORD

PLANS PREPARED BY:
TETRA TECH, INC.
3475 E. Foothill Blvd.
Pasadena, CA 91107
Phone: (626) 351-4664 Fax: (626) 351-5291

BID SUBMITTAL - DATED DEC. 15, 2016

CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS BUREAU OF ENGINEERING

ENGINEERING
CITY OF LOS ANGELES

NO.	REVISIONS:	DATE:	BY:

BUILDING NO. XX/XX

INDEX NO. - RP 300094

REGISTERED PROFESSIONAL ENGINEER
E. DIETZ
No. 67032
EXP: 9/30/18
STATE OF CALIFORNIA

GARY LEE MOORE, PE, ENV SP CITY ENGINEER
ARCHITECTURAL DIVISION LIC. NO. 67032
ENGINEER: JOSEPH E. DIETZ DATE:
DESIGNED BY: JS
DRAWN BY: JS
CHECKED BY: JD
APPROVED BY:

VERTICAL CONTROL:
HORIZONTAL CONTROL:

SHEET TITLE: GENERAL CIVIL NOTES
PROJECT: RANCHO CIENEGA SPORTS COMPLEX
ADDRESS: 5001 RODEO ROAD LOS ANGELES, CA 90016

WORK ORDER NO. E1907694
PLAN FILE NO.
DRAWING NO. C-002
SHEET OF SHEETS

PLOTTED: 12/13/2016 2:53 PM

MATCH LINE - SEE SHEET C-104

MATCH LINE - SEE SHEET C-102

(E) JACKIE ROBINSON STADIUM
(TO REMAIN)

(P) LIMITS OF WORK

(P) PHASING LIMITS

PHASE 2

PHASE 1

CONSTRUCTION FENCE
FOR PHASE 2

102" TILE
95" LINER

GENERAL NOTES

1. SEE DEMOLITION NOTES, SHEET C-002.
2. CONSTRUCTION FENCE AND PHASING LIMITS SHOWN OFFSET FROM PROPERTY LINE FOR CLARITY.
3. REMOVALS SHOWN NORTH OF PHASING LINE TO OCCUR DURING PHASE 2 UNLESS NOTED OTHERWISE ON THE PLANS.
4. ADJUST CONSTRUCTION FENCE AS NECESSARY DURING SIDEWALK REPLACEMENT.
5. SEE LANDSCAPE PLANS FOR TREE REMOVAL AND PROTECTION.

LEGEND:

(E) = EXISTING
(P) = PROPOSED

- SS — (E) SANITARY SEWER
- G — (E) GAS
- UE — (E) ELECTRICAL
- W — (E) WATER
- OE — (E) OVERHEAD ELECTRICAL
- SD — (E) STORM DRAIN
- UT — (E) UNDERGROUND TELECOM
- UTV — (E) UNDERGROUND TV/CABLE
- (E) LIGHT POLE
- (E) ELECTRICAL PULLBOX
- (E) UNKNOWN PULLBOX
- (E) WATER VALVE
- (E) TV/CABLE PULLBOX
- (E) TELECOM MANHOLE
- (E) TRAFFIC SIGNAL PULLBOX
- (E) SEWER CLEAN OUT
- (E) IRRIGATION CONTROL VALVE
- (E) WATER METER
- (E) STORM DRAIN INLET
- (E) SEWER MANHOLE
- (E) GAS VALVE
- (E) UTILITY POLE
- (E) DRINKING FOUNTAIN

BUREAU OF ENGINEERING
OFFICIAL RECORD

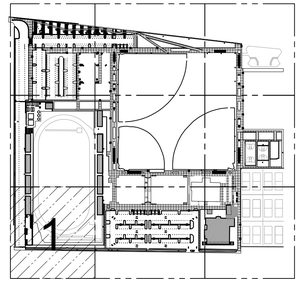
DEMOLITION NOTES:

- CONSTRUCT
- REMOVE
- EXISTING-PROTECT IN PLACE
- REMOVE & CONSTRUCT
- WORK BY OTHERS

1. CONC. CURB
2. TYPE C INTEGRAL CURB & GUTTER
10. CONC. DRIVEWAY
12. CONC. WALK
13. CURB RAMP
14. ASPHALT CONC. PAVEMENT
20. TREE
42 RELOCATE OR ADJUST ELECTROLIER TO GRADE
46. WATER METER
47. SIGN
48. LIGHT POLE
49. ELECTRICAL PULLBOX
50. UNKNOWN PULL BOX
51. TELECOM MANHOLE
52. WATER VALVE
53. GAS LINE
54. WATER LINE
55. TRAFFIC SIGNAL PULLBOX
56. GAS VALVE
57. UTILITY POLE
58. TV/CABLE PULLBOX
59. ELECTRICAL LINE
60. CHAIN LINK FENCE
61. OVERHEAD ELECTRICAL
62. UNDERGROUND TELECOM
63. CAR CHARGING STATION
64. TRAFFIC SIGNAL
65. UNDERGROUND TELECOM
66. UNDERGROUND TV/CABLE
78. GRATED CATCH BASIN
84. REINFORCED CONCRETE BOX
85. STORM DRAIN MANHOLE
88. SIDE OPENING CATCH BASIN
100. STORM DRAIN LINE
101. TRENCH DRAIN
131. SEWER PIPE
136. SEWER MANHOLE
140. TERMINAL CLEANOUT STRUCTURE
147. IRRIGATION CONTROL VALVE
148. UNKNOWN MANHOLE
149. DRINKING FOUNTAIN
150. TRANSFORMER
151. SPRINKLER
152. BUILDING
153. BLOCK WALL
154. BACK FLOW PREVENTOR
155. ELEC. ENCLOSURE
156. ELEC. VAULT
157. UNKNOWN SURFACE UTILITY
158. GUY WIRE
159. STORAGE CONTAINER
160. SPORT POLE
161. FLAG POLE
162. SCOREBOARD
163. WROUGHT IRON FENCE
164. UNKNOWN VAULT
165. BOLLARD
166. GATE
167. BLEACHER
168. BENCH
169. PLANTER
170. PLAYGROUND
171. CONC. ABUTMENT
172. POST
173. BLEACHER: REMOVE, REPAIR, AND SALVAGE

LEGEND (CONTINUED):

- REMOVE EXISTING AC PAVEMENT AND BASE MATERIAL
- REMOVE EXISTING CONCRETE
- REMOVE EXISTING GRASS AND IRRIGATION SYSTEM
- REMOVE EXISTING BASEBALL INFIELD (SOIL, FENCE, BACKSTOP AND ACCESSORIES)
- LIMITS OF WORK
- SAWCUT
- PROPERTY LINE
- EASEMENT BOUNDARY LINE
- PHASING LIMITS
- TEMPORARY CONSTRUCTION FENCE



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SCALE: 20

PLANS PREPARED BY:
TETRA TECH, INC.
3475 E. Foothill Blvd.
Pasadena, CA 91107
Phone: (626) 351-4664 Fax: (626) 351-5291

BID SUBMITTAL - DATED DEC. 15, 2016

CITY OF LOS ANGELES
DEPARTMENT OF PUBLIC WORKS
BUREAU OF ENGINEERING
CITY OF LOS ANGELES

GARY LEE MOORE, PE, ENV SP CITY ENGINEER
ARCHITECTURAL DIVISION
ENGINEER: JOSEPH E. DIETZ LIC. NO. 67032 DATE:
DESIGNED BY: JS
DRAWN BY: JS
CHECKED BY: JD
APPROVED BY:

NO.	REVISIONS:	DATE	BY:

BUILDING NO. XX/XX
INDEX NO. - RP 300094

REGISTERED PROFESSIONAL ENGINEER JOSEPH E. DIETZ No. 67032 CIVIL STATE OF CALIFORNIA EXP: 6/30/18

SHEET TITLE: DEMOLITION PLAN
PROJECT: RANCHO CIENEGA SPORTS COMPLEX
ADDRESS: 5001 RODEO ROAD LOS ANGELES, CA 90016

VERTICAL CONTROL:
HORIZONTAL CONTROL:

WORK ORDER NO. E1907694
PLAN FILE NO.
DRAWING NO. C-101
SHEET OF SHEETS

PLOTTED: 12/13/2016 2:57 PM

REVISION DATES: (DESIGN & STAGE ONLY)

TEMPLATE SHEET REVISION DATE: 08/2014
REVISION DATE: 12/7/2016 5:39 PM FILE: P:\85842\135-85842-15002\CAD\SHEETFILES\C-101_DEMOLITION PLAN.DWG

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MATCH LINE - SEE SHEET C-105

MATCH LINE - SEE SHEET C-101

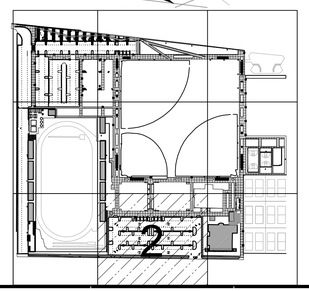
MATCH LINE - SEE SHEET C-103

PHASE 2
PHASE 1

CONSTRUCTION FENCE, PHASE 2

RODEO ROAD

CONSTRUCTION FENCE, PHASE 1



LEGEND:

(E) = EXISTING
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- SS — (E) SANITARY SEWER
- G — (E) GAS
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- (E) TELECOM MANHOLE
- (E) TRAFFIC SIGNAL PULLBOX
- (E) SEWER CLEAN OUT
- (E) IRRIGATION CONTROL VALVE
- (E) WATER METER
- (E) STORM DRAIN INLET
- (E) SEWER MANHOLE
- (E) GAS VALVE
- (E) UTILITY POLE
- (E) DRINKING FOUNTAIN

DEMOLITION NOTES:

- CONSTRUCT
- REMOVE & CONSTRUCT
- REMOVE
- WORK BY OTHERS
- EXISTING-PROTECT IN PLACE

1. CONC. CURB
2. TYPE C INTEGRAL CURB & GUTTER
10. CONC. DRIVEWAY
12. CONC. WALK
13. CURB RAMP
14. ASPHALT CONC. PAVEMENT
20. TREE
42 RELOCATE OR ADJUST ELECTROLIER TO GRADE
46. WATER METER
47. SIGN. SALVAGE AND RETURN TO CITY.
48. LIGHT POLE
49. ELECTRICAL PULLBOX
50. UNKNOWN PULL BOX
51. TELECOM MANHOLE
52. WATER VALVE
53. GAS LINE
54. WATER LINE
55. TRAFFIC SIGNAL PULLBOX
56. GAS VALVE
57. UTILITY POLE
58. TV/CABLE PULLBOX
59. ELECTRICAL LINE
60. CHAIN LINK FENCE
61. OVERHEAD ELECTRICAL
62. UNDERGROUND TELECOM
63. CAR CHARGING STATION. REMOVE AND SALVAGE.
64. TRAFFIC SIGNAL
65. UNDERGROUND TELECOM
66. UNDERGROUND TV/CABLE
78. GRATED CATCH BASIN
84. REINFORCED CONCRETE BOX
85. STORM DRAIN MANHOLE
88. SIDE OPENING CATCH BASIN
100. STORM DRAIN LINE
101. TRENCH DRAIN
131. SEWER PIPE
136. SEWER MANHOLE
140. TERMINAL CLEANOUT STRUCTURE
147. IRRIGATION CONTROL VALVE
148. UNKNOWN MANHOLE
149. DRINKING FOUNTAIN
150. TRANSFORMER
151. SPRINKLER
152. BUILDING
153. BLOCK WALL
154. BACK FLOW PREVENTOR
155. ELEC. ENCLOSURE
156. ELEC. VAULT
157. UNKNOWN SURFACE UTILITY
158. GUY WIRE
159. STORAGE CONTAINER
160. SPORT POLE
161. FLAG POLE
162. SCOREBOARD
163. WROUGHT IRON FENCE
164. UNKNOWN VAULT
165. BOLLARD
166. GATE
167. BLEACHER
168. BENCH
169. PLANTER
170. PLAYGROUND
171. CONC. ABUTMENT
172. POST
173. BLEACHERS. REMOVE REPAIR, AND SALVAGE

LEGEND (CONTINUED):

- REMOVE EXISTING AC PAVEMENT AND BASE MATERIAL
- REMOVE EXISTING CONCRETE
- REMOVE EXISTING GRASS AND IRRIGATION SYSTEM
- REMOVE EXISTING BASEBALL INFIELD (SOIL, FENCE, BACKSTOP AND ACCESSORIES)
- LIMITS OF WORK
- SAWCUT
- PROPERTY LINE
- EASEMENT BOUNDARY LINE
- PHASING LIMITS
- TEMPORARY CONSTRUCTION FENCE

GENERAL NOTES

1. SEE DEMOLITION NOTES, SHEET C-002.
2. CONSTRUCTION FENCE AND PHASING LIMITS SHOWN OFFSET FROM PROPERTY LINE FOR CLARITY.
3. REMOVALS SHOWN NORTH OF PHASING LINE TO OCCUR DURING PHASE 2 UNLESS NOTED OTHERWISE ON THE PLANS.
4. ADJUST CONSTRUCTION FENCE AS NECESSARY DURING SIDEWALK REPLACEMENT.
5. SEE LANDSCAPE PLANS FOR TREE REMOVAL AND PROTECTION.

0 10 20 40
SCALE: 20

BUREAU OF ENGINEERING
OFFICIAL RECORD

PLANS PREPARED BY:
TETRA TECH, INC.
3475 E. Foothill Blvd.
Pasadena, CA 91107
Phone: (626) 351-4664 Fax: (626) 351-5291

ENGINEERING
CITY OF LOS ANGELES

BUILDING NO. XX/XX
DATE: BY:
NO. REVISIONS:
INDEX NO. -
RP 300094

REGISTERED PROFESSIONAL ENGINEER
GARY LEE MOORE
No. 67032
EXP: 9/30/18
STATE OF CALIFORNIA

BUREAU OF ENGINEERING
DEPARTMENT OF PUBLIC WORKS
CITY OF LOS ANGELES

BID SUBMITTAL - DATED DEC. 15, 2016

GARY LEE MOORE, PE, ENV SP CITY ENGINEER
DATE:
ARCHITECTURAL DIVISION
LIC. NO. 67032
ENGINEER: JOSEPH E. DIETZ
DESIGNED BY:
DRAWN BY:
CHECKED BY:
APPROVED BY:

VERTICAL CONTROL:
HORIZONTAL CONTROL:

SHEET TITLE: DEMOLITION PLAN
PROJECT: RANCHO CIENEGA SPORTS COMPLEX
ADDRESS: 5001 RODEO ROAD
LOS ANGELES, CA 90016

WORK ORDER NO. E1907694
PLAN FILE NO.
DRAWING NO. C-102
SHEET OF SHEETS

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TEMPLATE SHEET REVISION DATE: 08/2014

REVISION DATES
(DESIGN STAGE ONLY)

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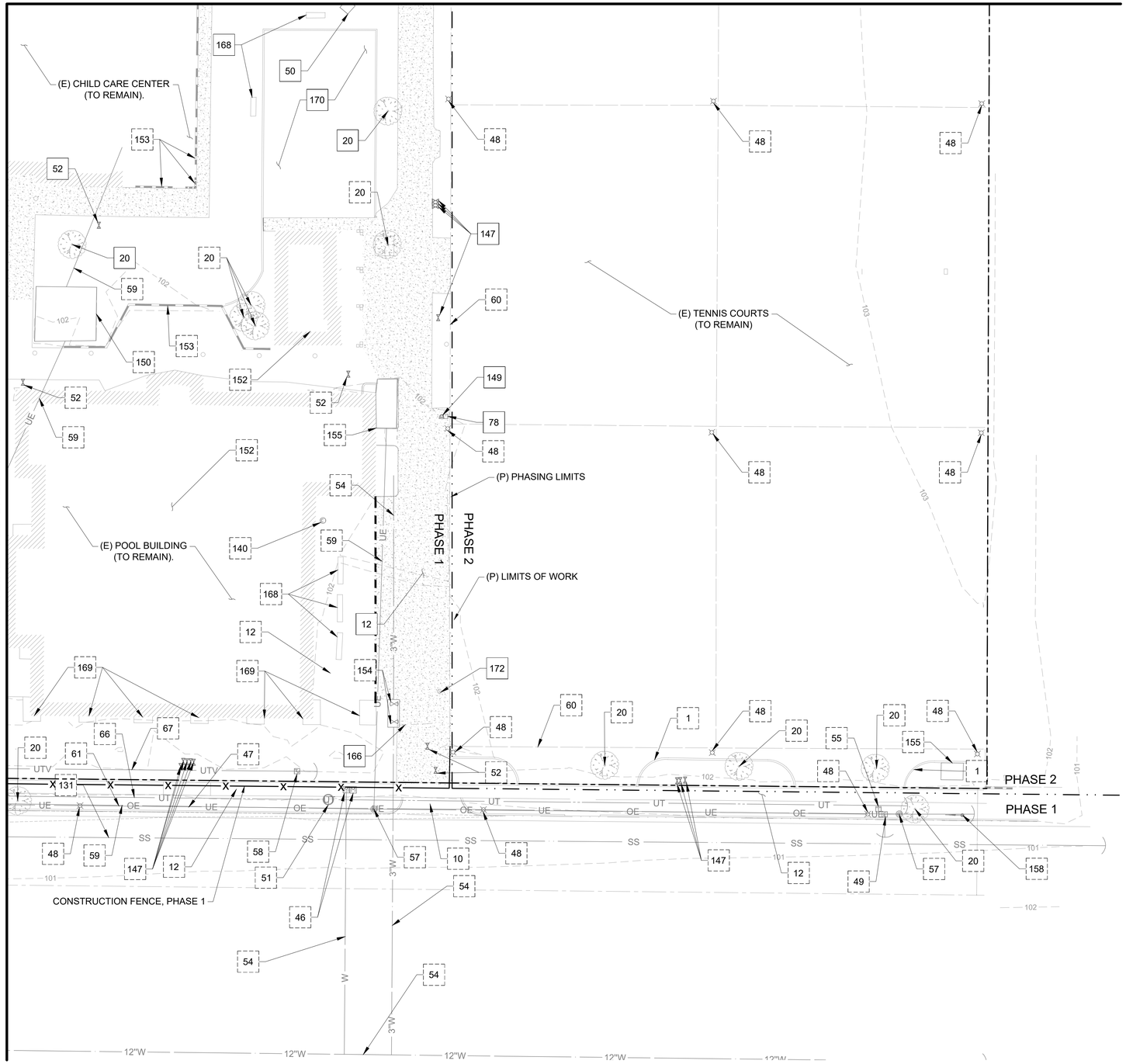

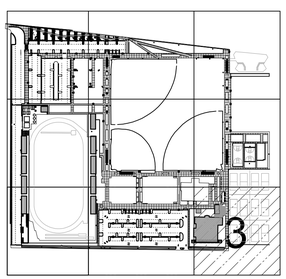

GENERAL NOTES

1. SEE DEMOLITION NOTES, SHEET C-002.
2. CONSTRUCTION FENCE AND PHASING LIMITS SHOWN OFFSET FROM PROPERTY LINE FOR CLARITY.
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4. ADJUST CONSTRUCTION FENCE AS NECESSARY DURING SIDEWALK REPLACEMENT.
5. SEE LANDSCAPE PLANS FOR TREE REMOVAL AND PROTECTION.

BUREAU OF ENGINEERING — OFFICIAL RECORD

LEGEND:

(E) = EXISTING
(P) = PROPOSED

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- G — (E) GAS
- UE — (E) ELECTRICAL
- W — (E) WATER
- OE — (E) OVERHEAD ELECTRICAL
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- UT — (E) UNDERGROUND TELECOM
- UTV — (E) UNDERGROUND TV/CABLE
- (E) LIGHT POLE
- (E) ELECTRICAL PULLBOX
- (E) UNKNOWN PULLBOX
- (E) WATER VALVE
- (E) TV/CABLE PULLBOX
- (E) TELECOM MANHOLE
- (E) TRAFFIC SIGNAL PULLBOX
- (E) SEWER CLEAN OUT
- (E) IRRIGATION CONTROL VALVE
- (E) WATER METER
- (E) STORM DRAIN INLET
- (E) SEWER MANHOLE
- (E) GAS VALVE
- (E) UTILITY POLE
- (E) DRINKING FOUNTAIN

DEMOLITION NOTES:

CONSTRUCT — REMOVE & CONSTRUCT
REMOVE — WORK BY OTHERS
EXISTING-PROTECT IN PLACE

1. CONC. CURB
2. TYPE C INTEGRAL CURB & GUTTER
10. CONC. DRIVEWAY
12. CONC. WALK
13. CURB RAMP
14. ASPHALT CONC. PAVEMENT
20. TREE
42. RELOCATE OR ADJUST ELECTROLIER TO GRADE
46. WATER METER
47. SIGN
48. LIGHT POLE
49. ELECTRICAL PULLBOX
50. UNKNOWN PULL BOX
51. TELECOM MANHOLE
52. WATER VALVE
53. GAS LINE
54. WATER LINE
55. TRAFFIC SIGNAL PULLBOX
56. GAS VALVE
57. UTILITY POLE
58. TV/CABLE PULLBOX
59. ELECTRICAL LINE
60. CHAIN LINK FENCE
61. OVERHEAD ELECTRICAL
62. UNDERGROUND TELECOM
63. CAR CHARGING STATION
64. TRAFFIC SIGNAL
65. UNDERGROUND TELECOM
66. UNDERGROUND TV/CABLE
78. GRATED CATCH BASIN
84. REINFORCED CONCRETE BOX
85. STORM DRAIN MANHOLE
100. STORM DRAIN LINE
101. TRENCH DRAIN
131. SEWER PIPE
136. SEWER MANHOLE
140. TERMINAL CLEANOUT STRUCTURE
147. IRRIGATION CONTROL VALVE
148. UNKNOWN MANHOLE
149. DRINKING FOUNTAIN
150. TRANSFORMER
151. SPRINKLER
152. BUILDING
153. BLOCK WALL
154. BACK FLOW PREVENTOR
155. ELEC. ENCLOSURE
156. ELEC. VAULT
157. UNKNOWN SURFACE UTILITY
158. GUY WIRE
159. STORAGE CONTAINER
160. SPORT POLE
161. FLAG POLE
162. SCOREBOARD
163. WROUGHT IRON FENCE
164. UNKNOWN VAULT
165. BOLLARD
166. GATE
167. BLEACHER
168. BENCH
169. PLANTER
170. PLAYGROUND
171. CONC. ABUTMENT
172. POST
173. BLEACHER: REMOVE, REPAIR AND SALVAGE

LEGEND (CONTINUED):

- REMOVE EXISTING AC PAVEMENT AND BASE MATERIAL
- REMOVE EXISTING GRASS AND IRRIGATION SYSTEM
- REMOVE EXISTING CONCRETE
- REMOVE EXISTING BASEBALL INFIELD (SOIL, FENCE, BACKSTOP AND ACCESSORIES)
- LIMITS OF WORK
- SAWCUT
- PROPERTY LINE
- EASEMENT BOUNDARY LINE
- PHASING LIMITS
- TEMPORARY CONSTRUCTION FENCE

0 10 20 40
SCALE: 20

PLANS PREPARED BY:
TETRA TECH, INC.
3475 E. Foothill Blvd.
Pasadena, CA 91107
Phone: (626) 351-4664 Fax: (626) 351-5291

BID SUBMITTAL - DATED DEC. 15, 2016

CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS
BUREAU OF ENGINEERING
ENGINEERING — CITY OF LOS ANGELES

NO. REVISIONS: DATE: BY:

BUILDING NO. XX/XX
INDEX NO. -

GARY LEE MOORE PE ENV SP — CITY ENGINEER
ARCHITECTURAL DIVISION
ENGINEER: JOSEPH E. DIETZ — LIC. NO. 67032
DESIGNED BY: DATE:
DRAWN BY:
CHECKED BY:
APPROVED BY:

VERTICAL CONTROL:
HORIZONTAL CONTROL:

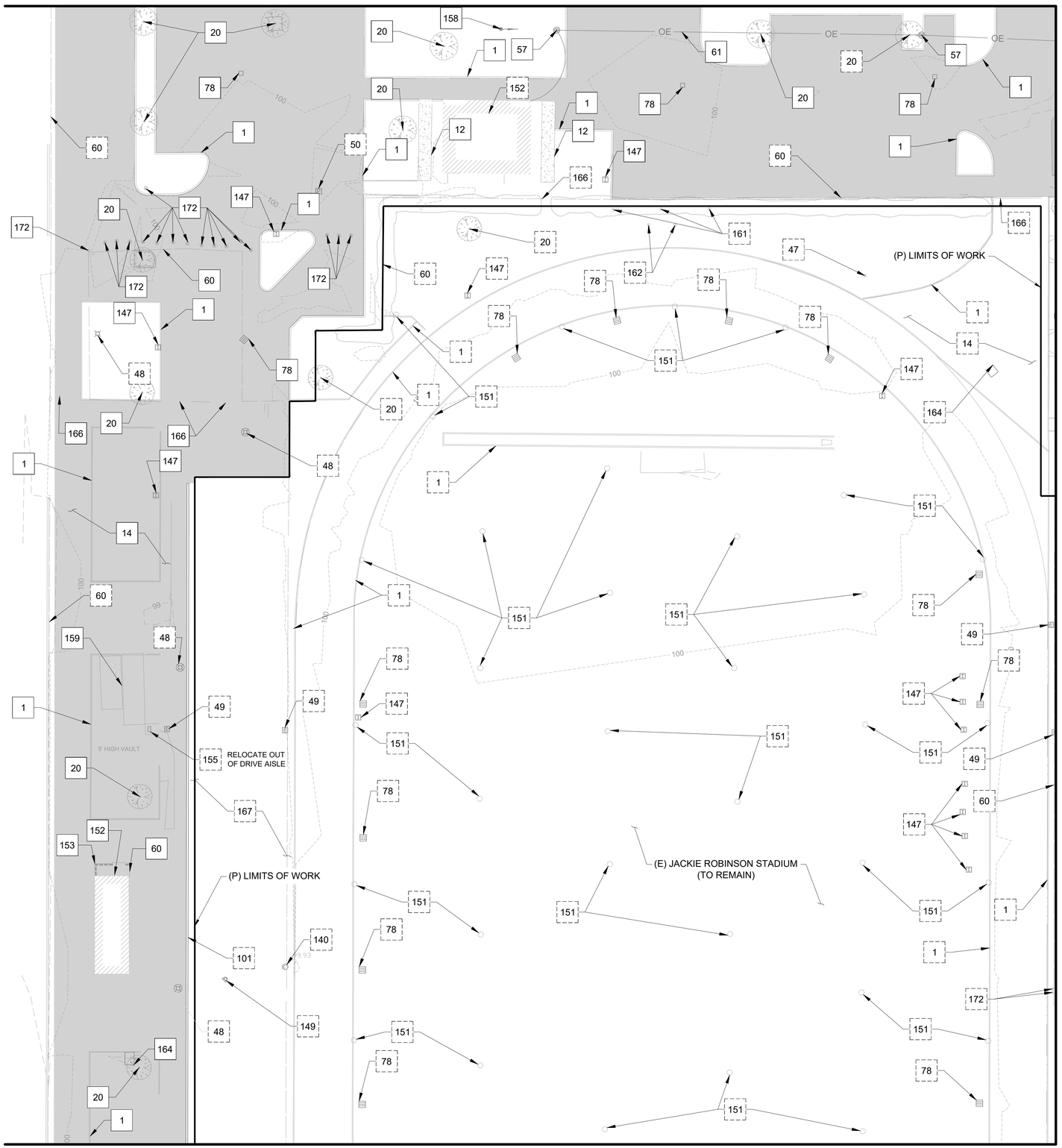
SHEET TITLE: DEMOLITION PLAN
PROJECT: RANCHO CIENEGA SPORTS COMPLEX
ADDRESS: 5001 RODEO ROAD LOS ANGELES, CA 90016

WORK ORDER NO. E1907694
PLAN FILE NO.
DRAWING NO. C-103
SHEET OF SHEETS

RP 300094

TEMPLATE SHEET REVISION DATE: 08/2014
REVISION DATES: (DESIGN STAGE ONLY)

MATCH LINE - SEE SHEET C-107



MATCH LINE - SEE SHEET C-105

MATCH LINE - SEE SHEET C-101

LEGEND:

(E) = EXISTING
(P) = PROPOSED

- SS — (E) SANITARY SEWER
- G — (E) GAS
- UE — (E) ELECTRICAL
- W — (E) WATER
- OE — (E) OVERHEAD ELECTRICAL
- SD — (E) STORM DRAIN
- UT — (E) UNDERGROUND TELECOM
- UTV — (E) UNDERGROUND TV/CABLE
- (E) LIGHT POLE
- (E) ELECTRICAL PULLBOX
- (E) UNKNOWN PULLBOX
- (E) WATER VALVE
- (E) TV/CABLE PULLBOX
- (E) TELECOM MANHOLE
- (E) TRAFFIC SIGNAL PULLBOX
- (E) SEWER CLEAN OUT
- (E) IRRIGATION CONTROL VALVE
- (E) WATER METER
- (E) STORM DRAIN INLET
- (E) SEWER MANHOLE
- (E) GAS VALVE
- (E) UTILITY POLE
- (E) DRINKING FOUNTAIN

DEMOLITION NOTES:

- CONSTRUCT
- REMOVE
- EXISTING-PROTECT IN PLACE
- REMOVE & CONSTRUCT
- WORK BY OTHERS

1. CONC. CURB
2. TYPE C INTEGRAL CURB & GUTTER
10. CONC. DRIVEWAY
12. CONC. WALK
13. CURB RAMP
14. ASPHALT CONC. PAVEMENT
20. TREE
42. RELOCATE OR ADJUST ELECTROLIER TO GRADE
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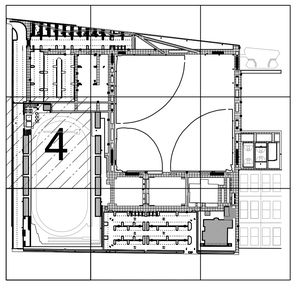
163. WROUGHT IRON FENCE
164. UNKNOWN VAULT
165. BOLLARD
166. GATE
167. BLEACHER
168. BENCH
169. PLANTER
170. PLAYGROUND
171. CONC. ABUTMENT
172. POST
173. BLEACHERS: REMOVE, REPAIR AND SALVAGE

LEGEND (CONTINUED):

- REMOVE EXISTING AC PAVEMENT AND BASE MATERIAL
- REMOVE EXISTING CONCRETE
- REMOVE EXISTING GRASS AND IRRIGATION SYSTEM
- REMOVE EXISTING BASEBALL INFIELD (SOIL, FENCE, BACKSTOP AND ACCESSORIES)
- LIMITS OF WORK
- SAWCUT
- PROPERTY LINE
- EASEMENT BOUNDARY LINE
- PHASING LIMITS
- TEMPORARY CONSTRUCTION FENCE



GENERAL NOTES

1. SEE DEMOLITION NOTES, SHEET C-002.
2. CONSTRUCTION FENCE AND PHASING LIMITS SHOWN OFFSET FROM PROPERTY LINE FOR CLARITY.
3. REMOVALS SHOWN NORTH OF PHASING LINE TO OCCUR DURING PHASE 2 UNLESS NOTED OTHERWISE ON THE PLANS.
4. ADJUST CONSTRUCTION FENCE AS NECESSARY DURING SIDEWALK REPLACEMENT.
5. SEE LANDSCAPE PLANS FOR TREE REMOVAL AND PROTECTION.

0 10 20 40
SCALE: 20

BUREAU OF ENGINEERING
OFFICIAL RECORD

PLANS PREPARED BY:
TETRA TECH, INC.
3475 E. Foothill Blvd.
Pasadena, CA 91107
Phone: (626) 351-4664 Fax: (626) 351-5291

BID SUBMITTAL - DATED DEC. 15, 2016

CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS
BUREAU OF ENGINEERING
CITY OF LOS ANGELES

VERTICAL CONTROL:
HORIZONTAL CONTROL:
SHEET TITLE: DEMOLITION PLAN
PROJECT: RANCHO CIENEGA SPORTS COMPLEX
ADDRESS: 5001 RODEO ROAD LOS ANGELES, CA 90016

GARY LEE MOORE, PE, ENV SP CITY ENGINEER
ARCHITECTURAL DIVISION LIC. NO. 67032
ENGINEER: JOSEPH E. DIETZ
DESIGNED BY:
DRAWN BY:
CHECKED BY:
APPROVED BY:
DATE:

NO. REVISIONS: DATE: BY:

BUILDING NO. XX/XX
INDEX NO. - RP 300094

REGISTERED PROFESSIONAL ENGINEER JOSEPH E. DIETZ No. 67032 EXP. 9-30-18 CIVIL STATE OF CALIFORNIA

WORK ORDER NO. E1907694
PLAN FILE NO.
DRAWING NO. C-104
SHEET OF SHEETS

THE CITY OF LOS ANGELES OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF ELECTRONIC COPIES OF THIS PLAN SHEET.

TEMPLATE SHEET REVISION DATE: 08/2014

REVISION DATES
(DESIGN STAGE ONLY)

MATCH LINE - SEE SHEET C-108

MATCH LINE - SEE SHEET C-104

MATCH LINE - SEE SHEET C-106

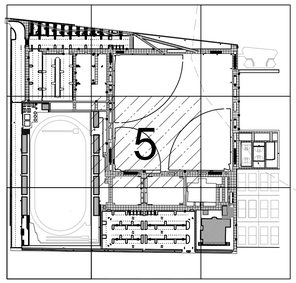
MATCH LINE - SEE SHEET C-102

GENERAL NOTES

1. SEE DEMOLITION NOTES, SHEET C-002.
2. CONSTRUCTION FENCE AND PHASING LIMITS SHOWN OFFSET FROM PROPERTY LINE FOR CLARITY.
3. REMOVALS SHOWN NORTH OF PHASING LINE TO OCCUR DURING PHASE 2 UNLESS NOTED OTHERWISE ON THE PLANS.
4. ADJUST CONSTRUCTION FENCE AS NECESSARY DURING SIDEWALK REPLACEMENT.
5. SEE LANDSCAPE PLANS FOR TREE REMOVAL AND PROTECTION.

LEGEND (CONTINUED):

- REMOVE EXISTING AC PAVEMENT AND BASE MATERIAL
- REMOVE EXISTING CONCRETE
- LIMITS OF WORK
- SAWCUT
- PROPERTY LINE
- EASEMENT BOUNDARY LINE
- REMOVE EXISTING GRASS AND IRRIGATION SYSTEM
- REMOVE EXISTING BASEBALL INFIELD (SOIL, FENCE, BACKSTOP AND ACCESSORIES)
- PHASING LIMITS
- TEMPORARY CONSTRUCTION FENCE



LEGEND:

(E) = EXISTING
(P) = PROPOSED

- SS — (E) SANITARY SEWER
- G — (E) GAS
- UE — (E) ELECTRICAL
- W — (E) WATER
- OE — (E) OVERHEAD ELECTRICAL
- SD — (E) STORM DRAIN
- UT — (E) UNDERGROUND TELECOM
- UTV — (E) UNDERGROUND TV/CABLE
- (E) LIGHT POLE
- (E) ELECTRICAL PULLBOX
- (E) UNKNOWN PULLBOX
- (E) WATER VALVE
- (E) TV/CABLE PULLBOX
- (E) TELECOM MANHOLE
- (E) TRAFFIC SIGNAL PULLBOX
- (E) SEWER CLEAN OUT
- (E) IRRIGATION CONTROL VALVE
- (E) WATER METER
- (E) STORM DRAIN INLET
- (E) SEWER MANHOLE
- (E) GAS VALVE
- (E) UTILITY POLE
- (E) DRINKING FOUNTAIN

DEMOLITION NOTES:

- CONSTRUCT
- REMOVE
- REMOVE & CONSTRUCT
- WORK BY OTHERS
- EXISTING-PROTECT IN PLACE

1. CONC. CURB
2. TYPE C INTEGRAL CURB & GUTTER
10. CONC. DRIVEWAY
12. CONC. WALK
13. CURB RAMP
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151. SPRINKLER
152. BUILDING
153. BLOCK WALL
154. BACK FLOW PREVENTOR
155. ELEC. ENCLOSURE
156. ELEC. VAULT
157. UNKNOWN SURFACE UTILITY
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159. STORAGE CONTAINER
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161. FLAG POLE
162. SCOREBOARD
163. WROUGHT IRON FENCE
164. UNKNOWN VAULT
165. BOLLARD
166. GATE
167. BLEACHER
168. BENCH
169. PLANTER
170. PLAYGROUND
171. CONC. ABUTMENT
172. POST
173. BLEACHERS: REMOVE, REPAIR AND SALVAGE.

(P) LIMITS OF WORK
(E) BASEBALL FIELDS (TO REMAIN)
(P) PHASING LIMITS
CONSTRUCTION FENCE, PHASES 1 & 2
(E) CHILD CARE CENTER (TO REMAIN)
PHASE 2
PHASE 1

SCALE: 20

PLANS PREPARED BY:
TETRA TECH, INC.
3475 E. Foothill Blvd.
Pasadena, CA 91107
Phone: (626) 351-4664 Fax: (626) 351-5291

BUREAU OF ENGINEERING OFFICIAL RECORD

BID SUBMITTAL - DATED DEC. 15, 2016
CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS BUREAU OF ENGINEERING

ENGINEERING
CITY OF LOS ANGELES

NO. REVISIONS: DATE: BY:

BUILDING NO. XX/XX

INDEX NO. - RP 300094

REGISTERED PROFESSIONAL ENGINEER JOSEPH E. DIETZ No. 67032 RENEWAL 12/31/2018 STATE OF CALIFORNIA

GARY LEE MOORE, PE, ENV SP CITY ENGINEER
LIC. NO. 67032
ARCHITECTURAL DIVISION
ENGINEER: JOSEPH E. DIETZ
DESIGNED BY:
DRAWN BY:
CHECKED BY:
APPROVED BY:
DATE:

VERTICAL CONTROL:
HORIZONTAL CONTROL:

SHEET TITLE: DEMOLITION PLAN

PROJECT: RANCHO CIENEGA SPORTS COMPLEX

ADDRESS: 5001 RODEO ROAD LOS ANGELES, CA 90016

WORK ORDER NO. E1907694
PLAN FILE NO.
DRAWING NO. C-105
SHEET OF SHEETS

THE CITY OF LOS ANGELES OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF ELECTRONIC COPIES OF THIS PLAN SHEET.

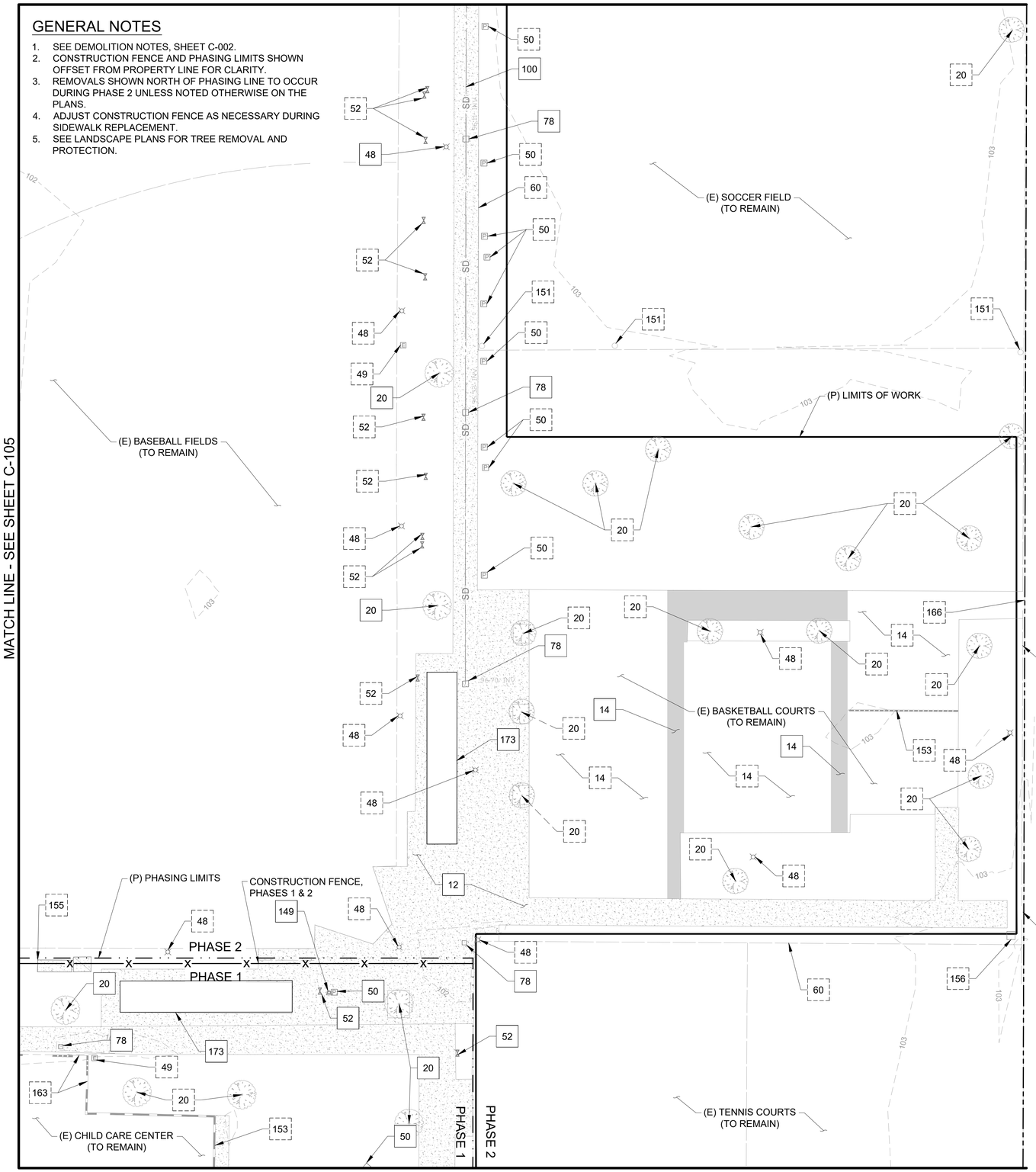
TEMPLATE SHEET REVISION DATE: 08/2014

REVISION DATES (DESIGN STAGE ONLY)

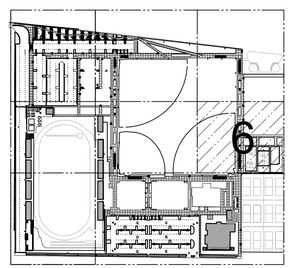
MATCH LINE - SEE SHEET C-109

GENERAL NOTES

1. SEE DEMOLITION NOTES, SHEET C-002.
2. CONSTRUCTION FENCE AND PHASING LIMITS SHOWN OFFSET FROM PROPERTY LINE FOR CLARITY.
3. REMOVALS SHOWN NORTH OF PHASING LINE TO OCCUR DURING PHASE 2 UNLESS NOTED OTHERWISE ON THE PLANS.
4. ADJUST CONSTRUCTION FENCE AS NECESSARY DURING SIDEWALK REPLACEMENT.
5. SEE LANDSCAPE PLANS FOR TREE REMOVAL AND PROTECTION.



MATCH LINE - SEE SHEET C-103



SCALE: 20

LEGEND (CONTINUED):

- REMOVE EXISTING AC PAVEMENT AND BASE MATERIAL
- REMOVE EXISTING CONCRETE
- REMOVE EXISTING GRASS AND IRRIGATION SYSTEM
- REMOVE EXISTING BASEBALL INFIELD (SOIL, FENCE, BACKSTOP AND ACCESSORIES)
- LIMITS OF WORK
- SAWCUT
- PROPERTY LINE
- EASEMENT BOUNDARY LINE
- PHASING LIMITS
- —X—X— TEMPORARY CONSTRUCTION FENCE

LEGEND:

(E) = EXISTING
(P) = PROPOSED

- (E) SANITARY SEWER
- (E) GAS
- (E) ELECTRICAL
- (E) WATER
- (E) OVERHEAD ELECTRICAL
- (E) STORM DRAIN
- (E) UNDERGROUND TELECOM
- (E) UNDERGROUND TV/CABLE
- (E) LIGHT POLE
- (E) ELECTRICAL PULLBOX
- (E) UNKNOWN PULLBOX
- (E) WATER VALVE
- (E) TV/CABLE PULLBOX
- (E) TELECOM MANHOLE
- (E) TRAFFIC SIGNAL PULLBOX
- (E) SEWER CLEAN OUT
- (E) IRRIGATION CONTROL VALVE
- (E) WATER METER
- (E) STORM DRAIN INLET
- (E) SEWER MANHOLE
- (E) GAS VALVE
- (E) UTILITY POLE
- (E) DRINKING FOUNTAIN

BUREAU OF ENGINEERING OFFICIAL RECORD

DEMOLITION NOTES:

CONSTRUCT — REMOVE & CONSTRUCT
REMOVE — WORK BY OTHERS
EXISTING-PROTECT IN PLACE

1. CONC. CURB
2. TYPE C INTEGRAL CURB & GUTTER
10. CONC. DRIVEWAY
12. CONC. WALK
13. CURB RAMP
14. ASPHALT CONC. PAVEMENT
20. TREE
42 RELOCATE OR ADJUST ELECTROLIER TO GRADE
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49. ELECTRICAL PULLBOX
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PLANS PREPARED BY:
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Phone: (626) 351-4664 Fax: (626) 351-5291

BID SUBMITTAL - DATED DEC. 15, 2016

CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS BUREAU OF ENGINEERING

ENGINEERING
CITY OF LOS ANGELES

BUILDING NO. XX/XX

NO. REVISIONS: — DATE: BY:

INDEX NO. - RP 300094

REGISTERED PROFESSIONAL ENGINEER — CHRISTOPHER E. DIETZ — No. 67032 — EXP: 6-30-18 — STATE OF CALIFORNIA

GARY LEE MOORE, PE, ENV SP — CITY ENGINEER
ARCHITECTURAL DIVISION — LIC. NO. 67032
ENGINEER: JOSEPH E. DIETZ
DESIGNED BY: JS
DRAWN BY: JS
CHECKED BY: JD
APPROVED BY:
DATE:

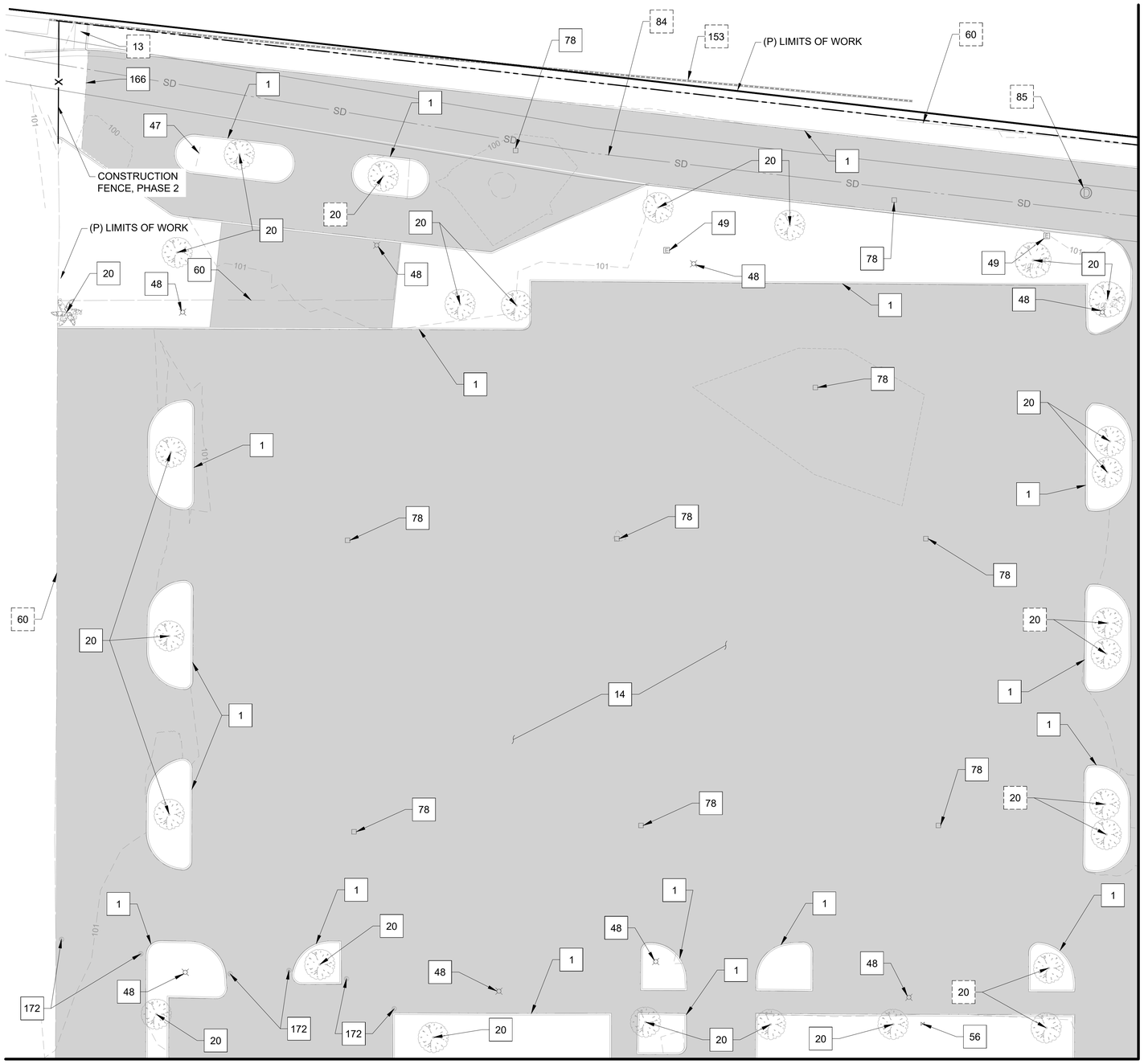
VERTICAL CONTROL:
HORIZONTAL CONTROL:
SHEET TITLE: DEMOLITION PLAN
PROJECT: RANCHO CIENEGA SPORTS COMPLEX
ADDRESS: 5001 RODEO ROAD LOS ANGELES, CA 90016

WORK ORDER NO. E1907694
PLAN FILE NO.
DRAWING NO. C-106
SHEET OF SHEETS

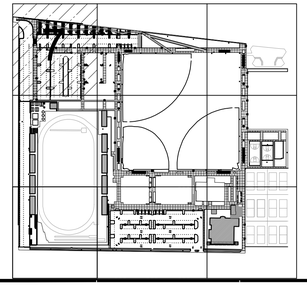
THE CITY OF LOS ANGELES OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF ELECTRONIC COPIES OF THIS PLAN SHEET.

TEMPLATE SHEET REVISION DATE: 08/2014

REVISION DATES: (DESIGN STAGE ONLY)



MATCH LINE - SEE SHEET C-104



LEGEND (CONTINUED):

- REMOVE EXISTING AC PAVEMENT AND BASE MATERIAL
- REMOVE EXISTING CONCRETE
- REMOVE EXISTING GRASS AND IRRIGATION SYSTEM
- REMOVE EXISTING BASEBALL INFIELD (SOIL, FENCE, BACKSTOP AND ACCESSORIES)
- LIMITS OF WORK
- SAWCUT
- PROPERTY LINE
- EASEMENT BOUNDARY LINE
- PHASING LIMITS
- TEMPORARY CONSTRUCTION FENCE

0 10 20 40
SCALE: 20

LEGEND:

(E) = EXISTING
(P) = PROPOSED

- (E) SANITARY SEWER
- (E) GAS
- (E) ELECTRICAL
- (E) WATER
- (E) OVERHEAD ELECTRICAL
- (E) STORM DRAIN
- (E) UNDERGROUND TELECOM
- (E) UNDERGROUND TV/CABLE
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- (E) STORM DRAIN INLET
- (E) SEWER MANHOLE
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- (E) DRINKING FOUNTAIN

DEMOLITION NOTES:

- CONSTRUCT
- REMOVE & CONSTRUCT
- REMOVE
- WORK BY OTHERS
- EXISTING-PROTECT IN PLACE

1. CONC. CURB
2. TYPE C INTEGRAL CURB & GUTTER
10. CONC. DRIVEWAY
12. CONC. WALK
13. CURB RAMP
14. ASPHALT CONC. PAVEMENT
20. TREE
42 RELOCATE OR ADJUST ELECTROLIER TO GRADE
46. WATER METER
47. SALVAGE SIGN AND RETURN TO CITY.
48. LIGHT POLE
49. ELECTRICAL PULLBOX
50. UNKNOWN PULL BOX
51. TELECOM MANHOLE
52. WATER VALVE
53. GAS LINE
54. WATER LINE
55. TRAFFIC SIGNAL PULLBOX
56. GAS VALVE
57. UTILITY POLE
58. TV/CABLE PULLBOX
59. ELECTRICAL LINE
60. CHAIN LINK FENCE
61. OVERHEAD ELECTRICAL
62. UNDERGROUND TELECOM
63. CAR CHARGING STATION
64. TRAFFIC SIGNAL
65. UNDERGROUND TELECOM
66. UNDERGROUND TV/CABLE
78. GRATED CATCH BASIN
84. REINFORCED CONCRETE BOX
85. STORM DRAIN MANHOLE
88. SIDE OPENING CATCH BASIN
100. STORM DRAIN LINE
101. TRENCH DRAIN
131. SEWER PIPE
136. SEWER MANHOLE
140. TERMINAL CLEANOUT STRUCTURE
147. IRRIGATION CONTROL VALVE
148. UNKNOWN MANHOLE
149. DRINKING FOUNTAIN
150. TRANSFORMER
151. SPRINKLER
152. BUILDING
153. BLOCK WALL
154. BACK FLOW PREVENTOR
155. ELEC. ENCLOSURE
156. ELEC. VAULT
157. UNKNOWN SURFACE UTILITY
158. GUY WIRE
159. STORAGE CONTAINER
160. SPORT POLE
161. FLAG POLE
162. SCOREBOARD
163. WROUGHT IRON FENCE
164. UNKNOWN VAULT
165. BOLLARD
166. GATE
167. BLEACHER
168. BENCH
169. PLANTER
170. PLAYGROUND
171. CONC. ABUTMENT
172. POST
173. BLEACHERS: REMOVE, REPAIR AND SALVAGE

GENERAL NOTES

1. SEE DEMOLITION NOTES, SHEET C-002.
2. CONSTRUCTION FENCE AND PHASING LIMITS SHOWN OFFSET FROM PROPERTY LINE FOR CLARITY.
3. REMOVALS SHOWN NORTH OF PHASING LINE TO OCCUR DURING PHASE 2 UNLESS NOTED OTHERWISE ON THE PLANS.
4. ADJUST CONSTRUCTION FENCE AS NECESSARY DURING SIDEWALK REPLACEMENT.
5. SEE LANDSCAPE PLANS FOR TREE REMOVAL AND PROTECTION.

BUREAU OF ENGINEERING
OFFICIAL RECORD

PLANS PREPARED BY:
TETRA TECH, INC.
3475 E. Foothill Blvd.
Pasadena, CA 91107
Phone: (626) 351-4664 Fax: (626) 351-5291

BID SUBMITTAL - DATED DEC, 15, 2016

CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS
BUREAU OF ENGINEERING
ENGINEERING
CITY OF LOS ANGELES

NO. REVISIONS: DATE: BY:

BUILDING NO. XX/XX

INDEX NO. - RP 300094

REGISTERED PROFESSIONAL ENGINEER JOSEPH E. DIETZ No. 67032 EXP: 6-30-18 STATE OF CALIFORNIA

GARY LEE MOORE, PE, ENV SP CITY ENGINEER
ARCHITECTURAL DIVISION LIC. NO. 67032
ENGINEER: JOSEPH E. DIETZ
DESIGNED BY: JS
DRAWN BY: JS
CHECKED BY: JD
APPROVED BY:
DATE:

VERTICAL CONTROL:
HORIZONTAL CONTROL:
SHEET TITLE: DEMOLITION PLAN
PROJECT: RANCHO CIENEGA SPORTS COMPLEX
ADDRESS: 5001 RODEO ROAD LOS ANGELES, CA 90016

WORK ORDER NO. E1907694
PLAN FILE NO.
DRAWING NO. C-107
SHEET OF SHEETS

THE CITY OF LOS ANGELES OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF ELECTRONIC COPIES OF THIS PLAN SHEET.

TEMPLATE SHEET REVISION DATE: 08/2014

REVISION DATES: (DESIGN STAGE ONLY)

THE CITY OF LOS ANGELES OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF ELECTRONIC COPIES OF THIS PLAN SHEET.

MATCH LINE - SEE SHEET C-107

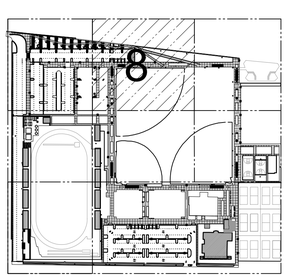
MATCH LINE - SEE SHEET C-109

(P) LIMITS OF WORK

(E) BASEBALL FIELDS (TO REMAIN)

RC BOX

MATCH LINE - SEE SHEET C-105



LEGEND:

(E) = EXISTING
(P) = PROPOSED

- SS — (E) SANITARY SEWER
- G — (E) GAS
- UE — (E) ELECTRICAL
- W — (E) WATER
- OE — (E) OVERHEAD ELECTRICAL
- SD — (E) STORM DRAIN
- UT — (E) UNDERGROUND TELECOM
- UTV — (E) UNDERGROUND TV/CABLE
- (E) LIGHT POLE
- (E) ELECTRICAL PULLBOX
- (E) UNKNOWN PULLBOX
- (E) WATER VALVE
- (E) TV/CABLE PULLBOX
- (E) TELECOM MANHOLE
- (E) TRAFFIC SIGNAL PULLBOX
- (E) SEWER CLEAN OUT
- (E) IRRIGATION CONTROL VALVE
- (E) WATER METER
- (E) STORM DRAIN INLET
- (E) SEWER MANHOLE
- (E) GAS VALVE
- (E) UTILITY POLE
- (E) DRINKING FOUNTAIN

DEMOLITION NOTES:

- CONSTRUCT
- REMOVE & CONSTRUCT
- REMOVE
- WORK BY OTHERS
- EXISTING-PROTECT IN PLACE

1. CONC. CURB
2. TYPE C INTEGRAL CURB & GUTTER
10. CONC. DRIVEWAY
12. CONC. WALK
13. CURB RAMP
14. ASPHALT CONC. PAVEMENT
20. TREE
42 RELOCATE OR ADJUST ELECTROLIER TO GRADE
46. WATER METER
47. SIGN
48. LIGHT POLE
49. ELECTRICAL PULLBOX
50. UNKNOWN PULL BOX
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150. TRANSFORMER
151. SPRINKLER
152. BUILDING
153. BLOCK WALL
154. BACK FLOW PREVENTOR
155. ELEC. ENCLOSURE
156. ELEC. VAULT
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158. GUY WIRE
159. STORAGE CONTAINER
160. SPORT POLE
161. FLAG POLE
162. SCOREBOARD
163. WROUGHT IRON FENCE
164. UNKNOWN VAULT
165. BOLLARD
166. GATE
167. BLEACHER
168. BENCH
169. PLANTER
170. PLAYGROUND
171. CONC. ABUTMENT
172. POST
173. BLEACHERS: REMOVE, REPAIR AND SALVAGE

LEGEND (CONTINUED):

- REMOVE EXISTING AC PAVEMENT AND BASE MATERIAL
- REMOVE EXISTING CONCRETE
- REMOVE EXISTING GRASS AND IRRIGATION SYSTEM
- REMOVE EXISTING BASEBALL INFIELD (SOIL, FENCE, BACKSTOP AND ACCESSORIES)
- LIMITS OF WORK
- SAWCUT
- PROPERTY LINE
- EASEMENT BOUNDARY LINE
- PHASING LIMITS
- TEMPORARY CONSTRUCTION FENCE

GENERAL NOTES

1. SEE DEMOLITION NOTES, SHEET C-002.
2. CONSTRUCTION FENCE AND PHASING LIMITS SHOWN OFFSET FROM PROPERTY LINE FOR CLARITY.
3. REMOVALS SHOWN NORTH OF PHASING LINE TO OCCUR DURING PHASE 2 UNLESS NOTED OTHERWISE ON THE PLANS.
4. ADJUST CONSTRUCTION FENCE AS NECESSARY DURING SIDEWALK REPLACEMENT.
5. SEE LANDSCAPE PLANS FOR TREE REMOVAL AND PROTECTION.

BUREAU OF ENGINEERING OFFICIAL RECORD

0 10 20 40
SCALE: 20

PLANS PREPARED BY:
TETRA TECH, INC.
3475 E. Foothill Blvd.
Pasadena, CA 91107
Phone: (626) 351-4664 Fax: (626) 351-5291

BID SUBMITTAL - DATED DEC. 15, 2016

CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS
BUREAU OF ENGINEERING
ENGINEERING
CITY OF LOS ANGELES

BUILDING NO. XX/XX
INDEX NO. - RP 300094

NO. REVISIONS: DATE: BY:

GARY LEE MOORE, PE, ENV SP CITY ENGINEER
ARCHITECTURAL DIVISION
ENGINEER: JOSEPH E. DIETZ LIC. NO. 67032 DATE:
DESIGNED BY: JS
DRAWN BY: JS
CHECKED BY: JD
APPROVED BY:

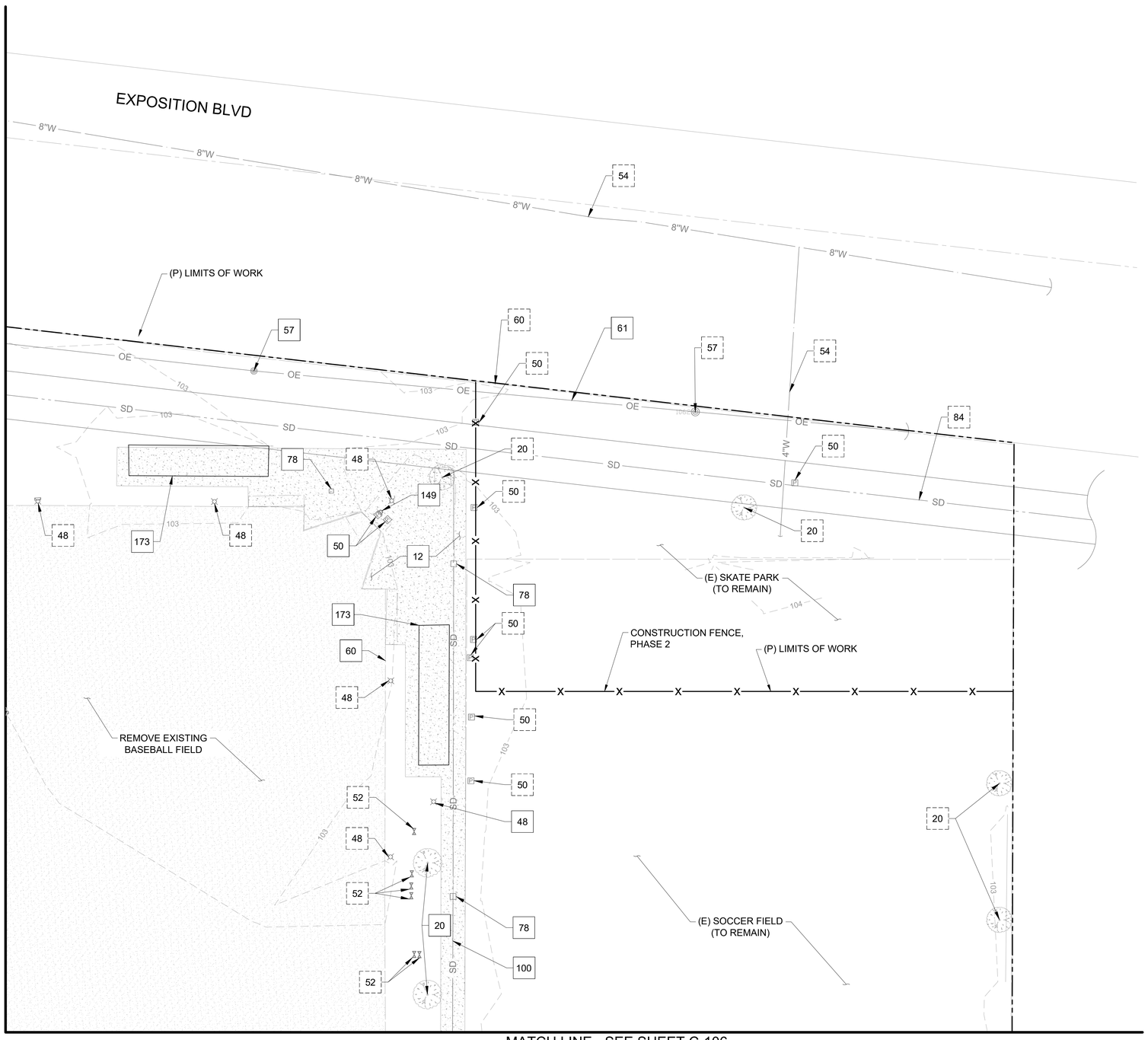
REGISTERED PROFESSIONAL ENGINEER JOSEPH E. DIETZ No. 67032 CIVIL STATE OF CALIFORNIA

VERTICAL CONTROL:
HORIZONTAL CONTROL:
SHEET TITLE: DEMOLITION PLAN
PROJECT: RANCHO CIENEGA SPORTS COMPLEX
ADDRESS: 5001 RODEO ROAD LOS ANGELES, CA 90016

WORK ORDER NO. E1907694
PLAN FILE NO.
DRAWING NO. C-108
SHEET OF SHEETS

TEMPLATE SHEET REVISION DATE: 08/2014

REVISION DATES (DESIGN STAGE ONLY)



LEGEND:

(E) = EXISTING
(P) = PROPOSED

- (E) SANITARY SEWER
- (E) GAS
- (E) ELECTRICAL
- (E) WATER
- (E) OVERHEAD ELECTRICAL
- (E) STORM DRAIN
- (E) UNDERGROUND TELECOM
- (E) UNDERGROUND TV/CABLE
- (E) LIGHT POLE
- (E) ELECTRICAL PULLBOX
- (E) UNKNOWN PULLBOX
- (E) WATER VALVE
- (E) TV/CABLE PULLBOX
- (E) TELECOM MANHOLE
- (E) TRAFFIC SIGNAL PULLBOX
- (E) SEWER CLEAN OUT
- (E) IRRIGATION CONTROL VALVE
- (E) WATER METER
- (E) STORM DRAIN INLET
- (E) SEWER MANHOLE
- (E) GAS VALVE
- (E) UTILITY POLE
- (E) DRINKING FOUNTAIN

DEMOLITION NOTES:

- CONSTRUCT
- REMOVE & CONSTRUCT
- REMOVE
- WORK BY OTHERS
- EXISTING-PROTECT IN PLACE

1. CONC. CURB
2. TYPE C INTEGRAL CURB & GUTTER
10. CONC. DRIVEWAY
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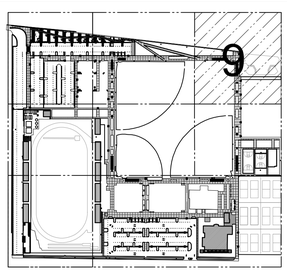
168. BENCH
169. PLANTER
170. PLAYGROUND
171. CONC. ABUTMENT
172. POST
173. BLEACHERS: REMOVE, REPAIR AND SALVAGE



LEGEND (CONTINUED):

- REMOVE EXISTING AC PAVEMENT AND BASE MATERIAL
- REMOVE EXISTING CONCRETE
- REMOVE EXISTING GRASS AND IRRIGATION SYSTEM
- REMOVE EXISTING BASEBALL INFIELD (SOIL, FENCE, BACKSTOP AND ACCESSORIES)
- LIMITS OF WORK
- SAWCUT
- PROPERTY LINE
- EASEMENT BOUNDARY LINE
- PHASING LIMITS
- TEMPORARY CONSTRUCTION FENCE

GENERAL NOTES

1. SEE DEMOLITION NOTES, SHEET C-002.
2. CONSTRUCTION FENCE AND PHASING LIMITS SHOWN OFFSET FROM PROPERTY LINE FOR CLARITY.
3. REMOVALS SHOWN NORTH OF PHASING LINE TO OCCUR DURING PHASE 2 UNLESS NOTED OTHERWISE ON THE PLANS.
4. ADJUST CONSTRUCTION FENCE AS NECESSARY DURING SIDEWALK REPLACEMENT.
5. SEE LANDSCAPE PLANS FOR TREE REMOVAL AND PROTECTION.

0 10 20 40
SCALE: 20

BUREAU OF ENGINEERING
OFFICIAL RECORD

PLANS PREPARED BY:
TETRA TECH, INC.
3475 E. Foothill Blvd.
Pasadena, CA 91107
Phone: (626) 351-4664 Fax: (626) 351-5291

BID SUBMITTAL - DATED DEC. 15, 2016
BUREAU OF ENGINEERING
DEPARTMENT OF PUBLIC WORKS
CITY OF LOS ANGELES

ENGINEERING
CITY OF LOS ANGELES

NO. REVISIONS: DATE: BY:

BUILDING NO. XX/XX
INDEX NO. - RP 300094

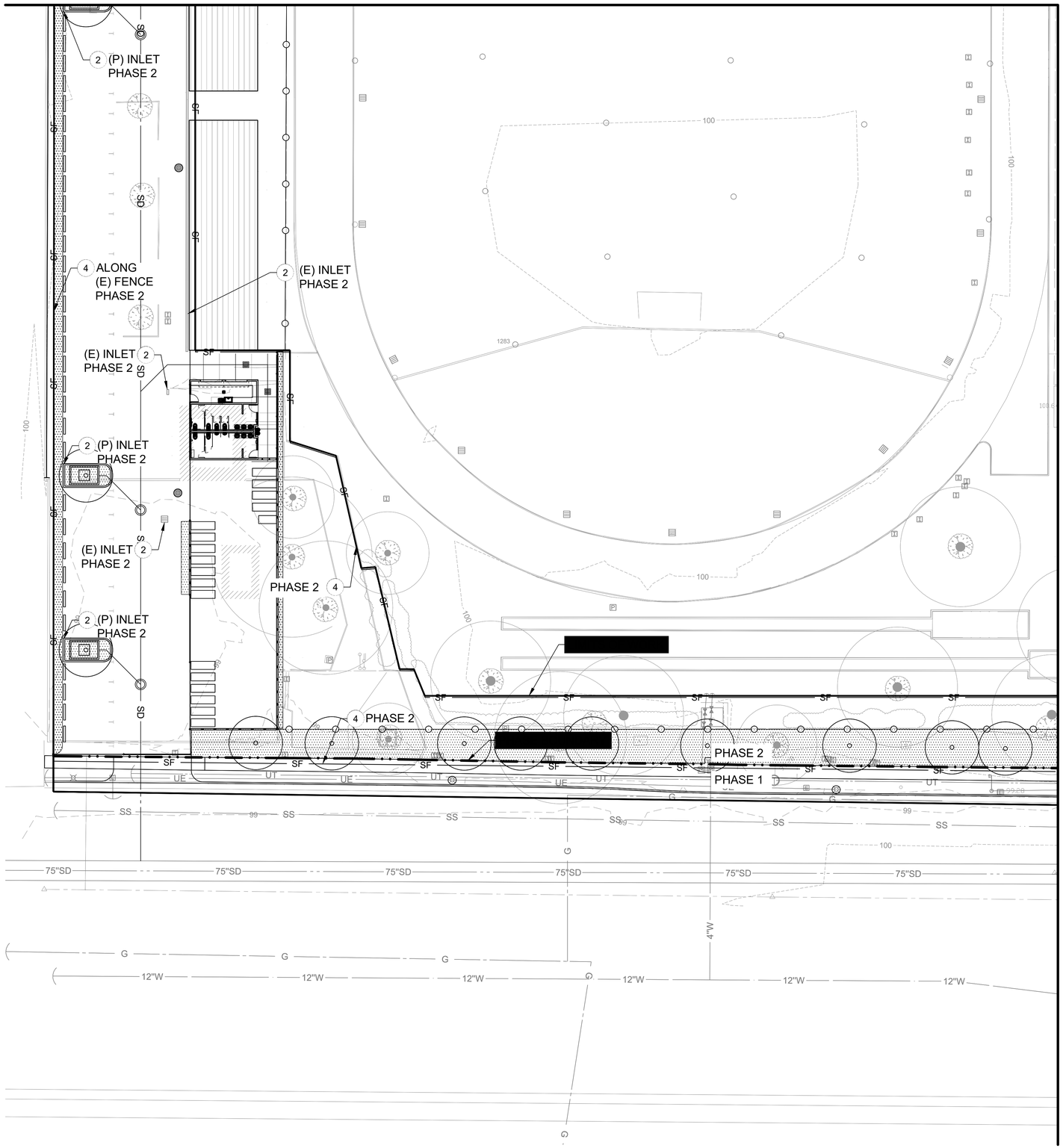
GARY LEE MOORE, PE, ENV SP CITY ENGINEER
ARCHITECTURAL DIVISION
ENGINEER: JOSEPH E. DIETZ LIC. NO. 67032 DATE:
DESIGNED BY: JS
DRAWN BY: JS
CHECKED BY: JD
APPROVED BY:

VERTICAL CONTROL:
HORIZONTAL CONTROL:
SHEET TITLE: DEMOLITION PLAN
PROJECT: RANCHO CIENEGA SPORTS COMPLEX
ADDRESS: 5001 RODEO ROAD LOS ANGELES, CA 90016

WORK ORDER NO. E1907694
PLAN FILE NO.
DRAWING NO. C-109
SHEET OF SHEETS

REVISION DATES (DESIGN STAGE ONLY)
TEMPLATE SHEET REVISION DATE: 05/2014

THE CITY OF LOS ANGELES OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF ELECTRONIC COPIES OF THIS PLAN SHEET.



MATCH LINE - SEE SHEET C-202

EROSION CONTROL NOTES

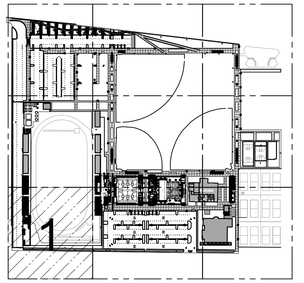
1. STABILIZED CONSTRUCTION ENTRANCE PER CASQA TC-1 AND DETAIL 1, SHEET C-210
2. INLET PROTECTION PER CASQA SE-10 AND DETAIL 2, SHEET C-210
3. GRAVEL BAG METHOD. PROTECT PROPOSED BIOFILTRATION PLANTER OR BASIN
4. SILT FENCE PER CASQA SE-1 AND DETAIL 3, SHEET C-210, LOCATE INSIDE CONSTRUCTION FENCE
5. SOIL STABILIZATION PER CASQA EC-5

LEGEND

- TC-1 STABILIZED CONSTRUCTION ENTRANCE
- EC-5 SOIL STABILIZATION, APPLY ENVIROTAC II, SOILTAC OR APPROVED EQUAL ON DISTURBED SOIL AS INDICATED. APPLY AT A RATE RECOMMENDED BY THE MANUFACTURER SUITABLE FOR PROTECTION AND TO BE PLANTED AT A LATER DATE.
- BIOFILTRATION BASIN OR PLANTER.
- GRAVEL BAG
- SF — SILT FENCE
- DIRECTION OF FLOW
- PHASE BOUNDARY
- A — PROPOSED AREA FOR VEHICLE CLEANING AND MAINTENANCE PER TC-3, (SWPPP)
- B — PROPOSED LOCATION FOR MATERIAL DELIVERY & STORAGE AREA (SWPPP)
- C — PROPOSED LOCATION FOR TEMPORARY TRASH ENCLOSURE (SWPPP)
- D — PROPOSED LOCATION FOR CONCRETE WASHOUT AREA PER WM-8 (SWPPP)
- E — PROPOSED LOCATION FOR VEHICLE AND EQUIPMENT FUELING AREA PER NS-9 (SWPPP)

NOTE

1. REFER TO PROJECT STORM WATER POLLUTION PREVENTION PLAN (SWPPP) AND THE BEST MANAGEMENT PRACTICES FOR ADDITIONAL INFORMATION.
2. SILT FENCE TO BE LOCATED AT BACK OF WALK ALONG RODEO ROAD. SILT FENCE SHOWN OFFSET FROM BACK OF WALK FOR CLARITY.
3. RELOCATE STORAGE AND MAINTENANCE AREAS AS NECESSARY DURING PARKING LOT DEMO/CONSTRUCTION.



0 10 20 40
SCALE: 20

BUREAU OF ENGINEERING
OFFICIAL RECORD

PLANS PREPARED BY:
TETRA TECH, INC.
3475 E. Foothill Blvd.
Pasadena, CA 91107
Phone: (626) 351-4664 Fax: (626) 351-5291

BID SUBMITTAL - DATED DEC. 15, 2016

CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS
BUREAU OF ENGINEERING
ENGINEERING
CITY OF LOS ANGELES

GARY LEE MOORE, PE, ENV SP CITY ENGINEER
ENGINEER: JOSEPH E. DIETZ — LIC. NO. 67032 — DATE:
ARCHITECTURAL DIVISION
DESIGNED BY: JS
DRAWN BY: JS
CHECKED BY: JD
APPROVED BY:

NO. REVISIONS: — DATE: — BY:

BUILDING NO. XX/XX
RP 300094
INDEX NO. -

REGISTERED PROFESSIONAL ENGINEER — JOSEPH E. DIETZ — No. 67032 — EXP. 9/30/18 — CIVIL — STATE OF CALIFORNIA

VERTICAL CONTROL:
HORIZONTAL CONTROL:

SHEET TITLE: EROSION CONTROL PLAN
PROJECT: RANCHO CIENEGA SPORTS COMPLEX
ADDRESS: 5001 RODEO ROAD LOS ANGELES, CA 90016

WORK ORDER NO. E1907694
PLAN FILE NO.
DRAWING NO. C-201
SHEET OF SHEETS

REVISION DATES: (DESIGN STAGE ONLY)

THE CITY OF LOS ANGELES OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF ELECTRONIC COPIES OF THIS PLAN SHEET.

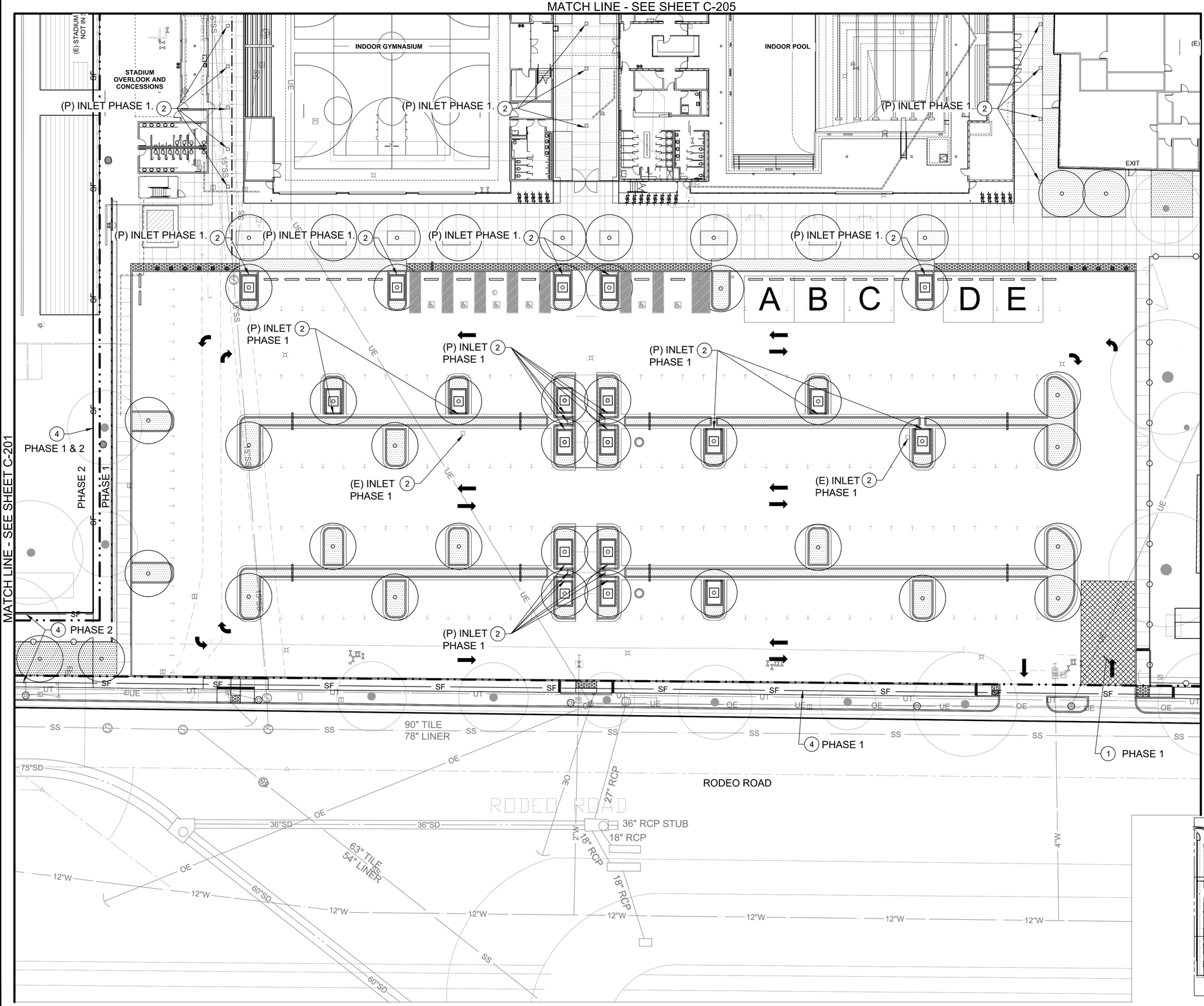
TEMPLATE SHEET REVISION DATE: 08/2014
REVISION DATE: 12/8/2016 4:54 PM
FILE: P- 85842-135-85842-15002.CAD\SHEETFILES\C-201 EROSION CONTROL PLAN.DWG

PLOTTED: 12/13/2016 3:45 PM

MATCH LINE - SEE SHEET C-205

MATCH LINE - SEE SHEET C-201

MATCH LINE - SEE SHEET C-203



EROSION CONTROL NOTES

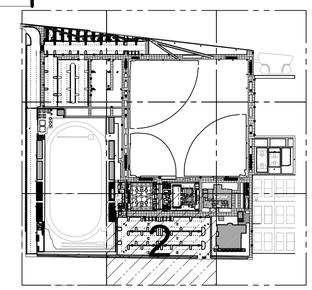
1. STABILIZED CONSTRUCTION ENTRANCE PER CASQA TC-1 AND DETAIL 1, SHEET C-210
2. INLET PROTECTION PER CASQA SE-10 AND DETAIL 2, SHEET C-210
3. GRAVEL BAG METHOD. PROTECT PROPOSED BIOFILTRATION PLANTER OR BASIN
4. SILT FENCE PER CASQA SE-1 AND DETAIL 3, SHEET C-210, LOCATE INSIDE CONSTRUCTION FENCE
5. SOIL STABILIZATION PER CASQA EC-5

LEGEND

- TC-1 STABILIZED CONSTRUCTION ENTRANCE
- EC-5 SOIL STABILIZATION, APPLY ENVIROTAC II, SOILTAC OR APPROVED EQUAL ON DISTURBED SOIL AS INDICATED. APPLY AT A RATE RECOMMENDED BY THE MANUFACTURER SUITABLE FOR PROTECTION AND TO BE PLANTED AT A LATER DATE.
- BIOFILTRATION BASIN OR PLANTER.
- GRAVEL BAG
- SF — SILT FENCE
- DIRECTION OF FLOW
- PHASE BOUNDARY
- A — PROPOSED AREA FOR VEHICLE CLEANING AND MAINTENANCE PER TC-3, (SWPPP)
- B — PROPOSED LOCATION FOR MATERIAL DELIVERY & STORAGE AREA (SWPPP)
- C — PROPOSED LOCATION FOR TEMPORARY TRASH ENCLOSURE (SWPPP)
- D — PROPOSED LOCATION FOR CONCRETE WASHOUT AREA PER WM-8 (SWPPP)
- E — PROPOSED LOCATION FOR VEHICLE AND EQUIPMENT FUELING AREA PER NS-9 (SWPPP)

NOTE

1. REFER TO PROJECT STORM WATER POLLUTION PREVENTION PLAN (SWPPP) AND THE BEST MANAGEMENT PRACTICES FOR ADDITIONAL INFORMATION.
2. SILT FENCE TO BE LOCATED AT BACK OF WALK ALONG RODEO ROAD. SILT FENCE SHOWN OFFSET FROM BACK OF WALK FOR CLARITY.
3. RELOCATE STORAGE AND MAINTENANCE AREAS AS NECESSARY DURING PARKING LOT DEMO/CONSTRUCTION.



0 10 20 40
SCALE: 20

BUREAU OF ENGINEERING
OFFICIAL RECORD

BID SUBMITTAL - DATED DEC. 15, 2016

CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS

BUREAU OF ENGINEERING

ENGINEERING
CITY OF LOS ANGELES

BUILDING NO. XX/XX

INDEX NO. - RP 300094

NO. REVISIONS: DATE: BY:

REGISTERED PROFESSIONAL ENGINEER
JEFFREY E. DIETZ
No. 67032
Exp. 9-30-18
CIVIL
STATE OF CALIFORNIA

CITY ENGINEER
DATE:
VERTICAL CONTROL:
HORIZONTAL CONTROL:

GARY LEE MOORE, PE, ENV SP CITY ENGINEER
LIC. NO. 67032
ARCHITECTURAL DIVISION
ENGINEER: JOSEPH E. DIETZ
DESIGNED BY: JS
DRAWN BY: JS
CHECKED BY: JD
APPROVED BY:

SHEET TITLE: EROSION CONTROL PLAN
PROJECT: RANCHO CIENEGA SPORTS COMPLEX
ADDRESS: 5001 RODEO ROAD LOS ANGELES, CA 90016

PLANS PREPARED BY:
TETRA TECH, INC.
3475 E. Foothill Blvd.
Pasadena, CA 91107
Phone: (626) 351-4664 Fax: (626) 351-5291

WORK ORDER NO. E1907694
PLAN FILE NO.
DRAWING NO. C-202
SHEET OF SHEETS

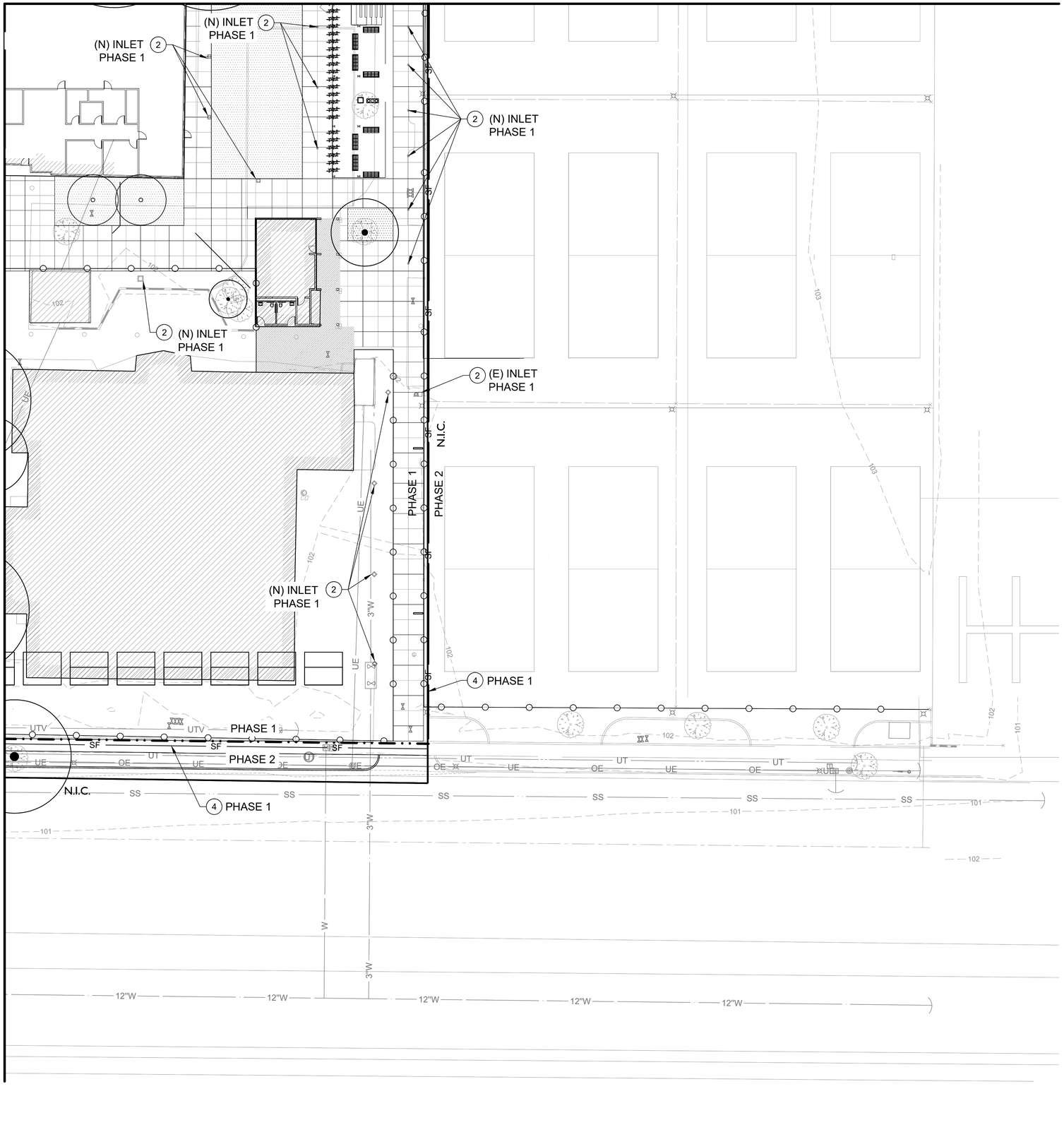
REVISION DATES (DESIGN STAGE ONLY)

THE CITY OF LOS ANGELES OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF ELECTRONIC COPIES OF THIS PLAN SHEET.

TEMPLATE SHEET REVISION DATE: 08/2014
REVISION DATE: 12/8/2016 5:34 PM
FILE: P: 85942-135-85842-15002 CAD SHEETFILES C-202 EROSION CONTROL PLAN.DWG

PLOTTED: 12/13/2016 3:48 PM

THE CITY OF LOS ANGELES OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF ELECTRONIC COPIES OF THIS PLAN SHEET.



EROSION CONTROL NOTES

1. STABILIZED CONSTRUCTION ENTRANCE PER CASQA TC-1 AND DETAIL 1, SHEET C-210
2. INLET PROTECTION PER CASQA SE-10 AND DETAIL 2, SHEET C-210
3. GRAVEL BAG METHOD. PROTECT PROPOSED BIOFILTRATION PLANTER OR BASIN
4. SILT FENCE PER CASQA SE-1 AND DETAIL 3, SHEET C-210, LOCATE INSIDE CONSTRUCTION FENCE
5. SOIL STABILIZATION PER CASQA EC-5

LEGEND

- TC-1 STABILIZED CONSTRUCTION ENTRANCE
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- BIOFILTRATION BASIN OR PLANTER.
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- SF — SILT FENCE
- DIRECTION OF FLOW
- PHASE BOUNDARY
- A — PROPOSED AREA FOR VEHICLE CLEANING AND MAINTENANCE PER TC-3, (SWPPP)
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- D — PROPOSED LOCATION FOR CONCRETE WASHOUT AREA PER WM-8 (SWPPP)
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NOTE

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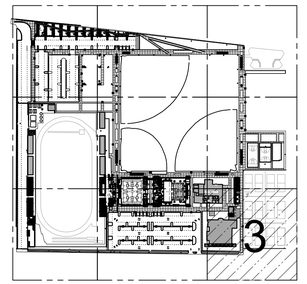
3. RELOCATE STORAGE AND MAINTENANCE AREAS AS NECESSARY DURING PARKING LOT DEMO/CONSTRUCTION.



SCALE: 20

BUREAU OF ENGINEERING
OFFICIAL RECORD

PLANS PREPARED BY:
TETRA TECH, INC.
3475 E. Foothill Blvd.
Pasadena, CA 91107
Phone: (626) 351-4664 Fax: (626) 351-5291

BID SUBMITTAL - DATED DEC. 15, 2016

BUREAU OF ENGINEERING

ENGINEERING
CITY OF LOS ANGELES

NO.	REVISIONS:	DATE:	BY:

BUILDING NO. XX/XX

INDEX NO. - RP 300094

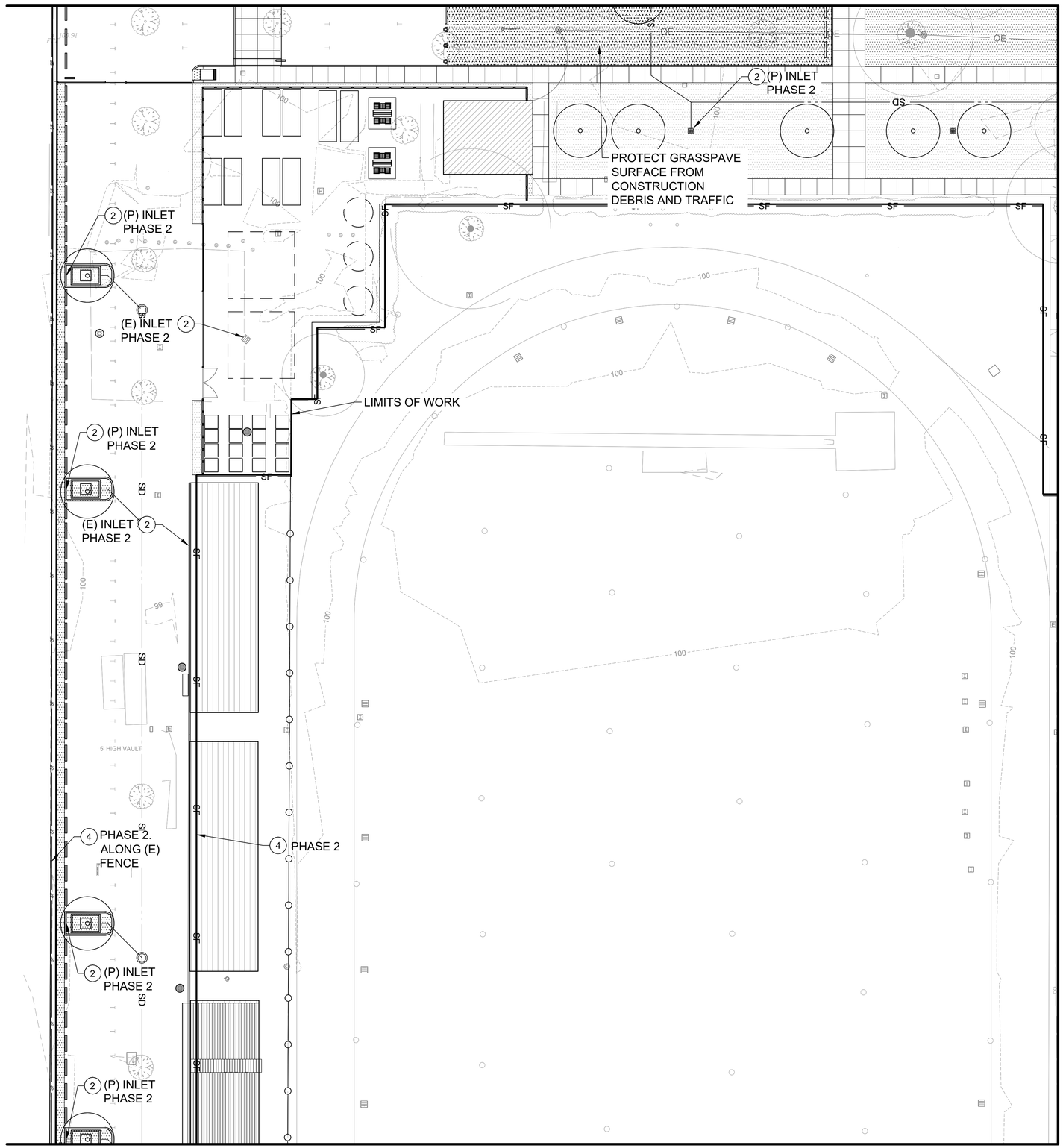
GARY LEE MOORE, PE, ENV SP CITY ENGINEER
ARCHITECTURAL DIVISION
ENGINEER: JOSEPH E. DIETZ LIC. NO. 67032
DESIGNED BY: JS
DRAWN BY: JS
CHECKED BY: JD
APPROVED BY:
DATE:

CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS
VERTICAL CONTROL:
HORIZONTAL CONTROL:
SHEET TITLE: EROSION CONTROL PLAN
PROJECT: RANCHO CIENEGA SPORTS COMPLEX
ADDRESS: 5001 RODEO ROAD LOS ANGELES, CA 90016

WORK ORDER NO. E1907694
PLAN FILE NO.
DRAWING NO. C-203
SHEET OF SHEETS

REVISION DATES (DESIGN STAGE ONLY)

TEMPLATE SHEET REVISION DATE: 08/2014
REVISION DATE: 12/9/2016 5:51 PM FILE: P: 85842-135-85842-15002 CAD SHEETFILES C-203 EROSION CONTROL PLAN.DWG
PLOTTED: 12/13/2016 3:52 PM



EROSION CONTROL NOTES

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5. SOIL STABILIZATION PER CASQA EC-5

LEGEND

- TC-1 STABILIZED CONSTRUCTION ENTRANCE
- EC-5 SOIL STABILIZATION, APPLY ENVIROTAC II, SOILTAC OR APPROVED EQUAL ON DISTURBED SOIL AS INDICATED. APPLY AT A RATE RECOMMENDED BY THE MANUFACTURER SUITABLE FOR PROTECTION AND TO BE PLANTED AT A LATER DATE.
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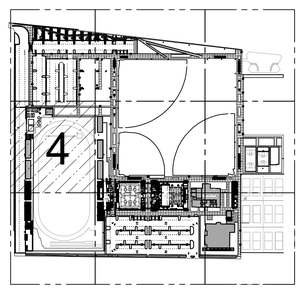

SCALE: 20

BUREAU OF ENGINEERING OFFICIAL RECORD

PLANS PREPARED BY:
TETRA TECH, INC.
3475 E. Foothill Blvd.
Pasadena, CA 91107
Phone: (626) 351-4664 Fax: (626) 351-5291

VERTICAL CONTROL:
HORIZONTAL CONTROL:

SHEET TITLE: EROSION CONTROL PLAN

PROJECT: RANCHO CIENEGA SPORTS COMPLEX

ADDRESS: 5001 RODEO ROAD LOS ANGELES, CA 90016

WORK ORDER NO. E1907694
PLAN FILE NO.
DRAWING NO. C-204
SHEET OF SHEETS

GARY LEE MOORE, PE, ENV SP CITY ENGINEER
ARCHITECTURAL DIVISION
ENGINEER: JOSEPH E. DIETZ LIC. NO. 67032 DATE:
DESIGNED BY: JS
DRAWN BY: JS
CHECKED BY: JD
APPROVED BY:

BUILDING NO. XX/XX
INDEX NO. - RP 300094

NO. REVISIONS: DATE: BY:

BUREAU OF ENGINEERING
CITY OF LOS ANGELES
ENGINEERING

BID SUBMITTAL - DATED DEC. 15, 2016

CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS

REVISION DATES (DESIGN STAGE ONLY)

THE CITY OF LOS ANGELES OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF ELECTRONIC COPIES OF THIS PLAN SHEET.

TEMPLATE SHEET REVISION DATE: 08/2014
REVISION DATE: 12/8/2016 5:56 PM FILE: P:\8842\135-8842-15002\CAD SHEETFILES C-204\ EROSION CONTROL PLAN.DWG

PLOTTED: 12/13/2016 3:55 PM

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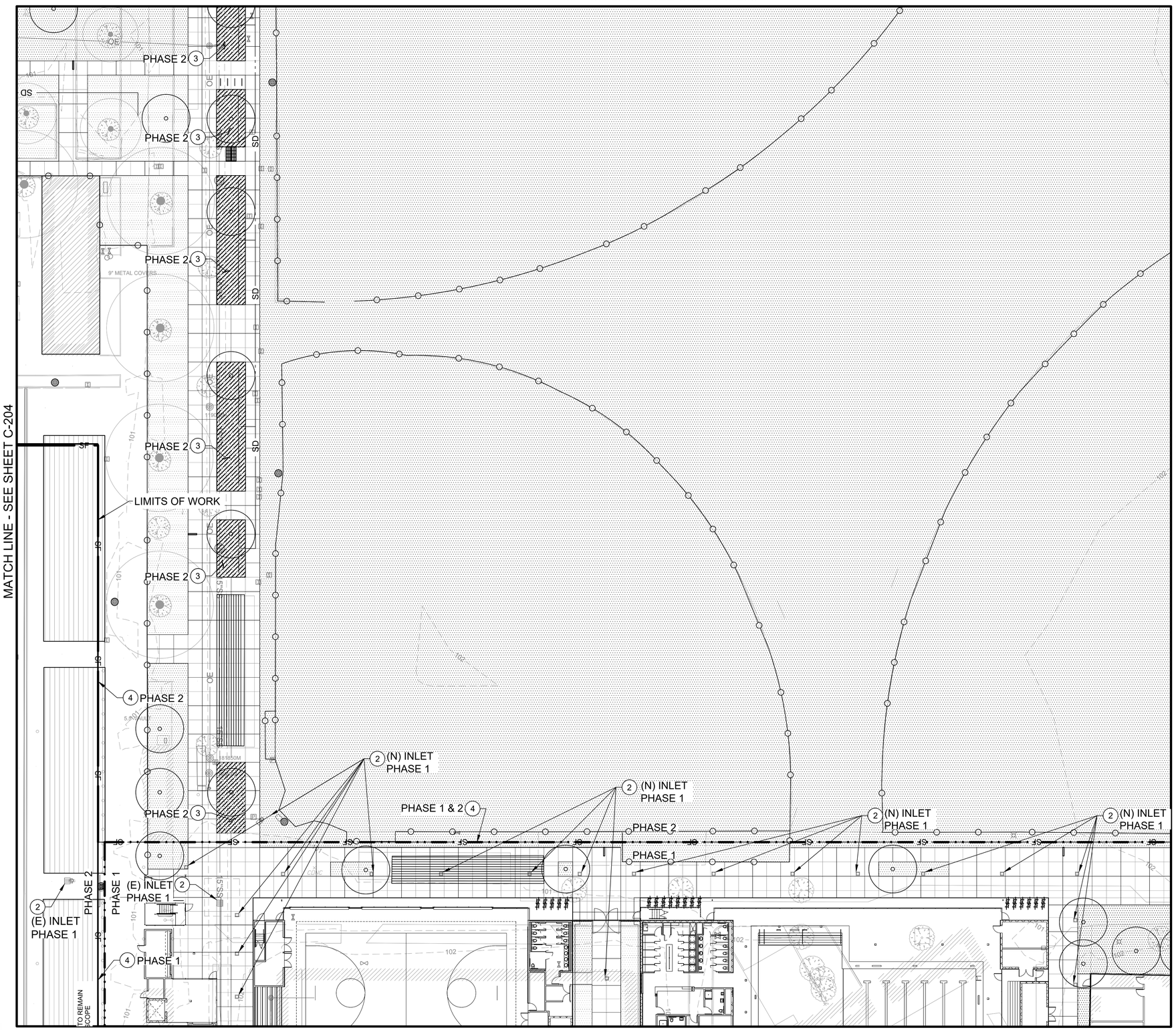
MATCH LINE - SEE SHEET C-204

MATCH LINE - SEE SHEET C-206

MATCH LINE - SEE SHEET C-202



EROSION CONTROL NOTES

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5. SOIL STABILIZATION PER CASQA EC-5

LEGEND

- TC-1 STABILIZED CONSTRUCTION ENTRANCE
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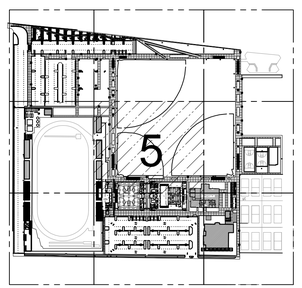

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SCALE: 20

BUREAU OF ENGINEERING
OFFICIAL RECORD

BID SUBMITTAL - DATED DEC. 15, 2016

CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS
BUREAU OF ENGINEERING

ENGINEERING
CITY OF LOS ANGELES

NO.	REVISIONS:	DATE:	BY:

BUILDING NO. XX/XX

RP 300094

INDEX NO. -

REGISTERED PROFESSIONAL ENGINEER
JOSEPH E. DIETZ
No. 67032
Exp. 9-30-18
CIVIL
STATE OF CALIFORNIA

GARY LEE MOORE, PE, ENV SP CITY ENGINEER
ARCHITECTURAL DIVISION LIC. NO. 67032
ENGINEER: JOSEPH E. DIETZ DATE:
DESIGNED BY: JS
DRAWN BY: JS
CHECKED BY: JD
APPROVED BY:

CITY OF LOS ANGELES
VERTICAL CONTROL:
HORIZONTAL CONTROL:

SHEET TITLE: EROSION CONTROL PLAN

PROJECT: RANCHO CIENEGA SPORTS COMPLEX

ADDRESS: 5001 RODEO ROAD
LOS ANGELES, CA 90016

PLANS PREPARED BY:
TETRA TECH, INC.
3475 E. Foothill Blvd.
Pasadena, CA 91107
Phone: (626) 351-4664 Fax: (626) 351-5291

WORK ORDER NO. E1907694
PLAN FILE NO.
DRAWING NO. C-205
SHEET OF SHEETS

PLOTTED: 12/13/2016 3:58 PM

THE CITY OF LOS ANGELES OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF ELECTRONIC COPIES OF THIS PLAN SHEET.

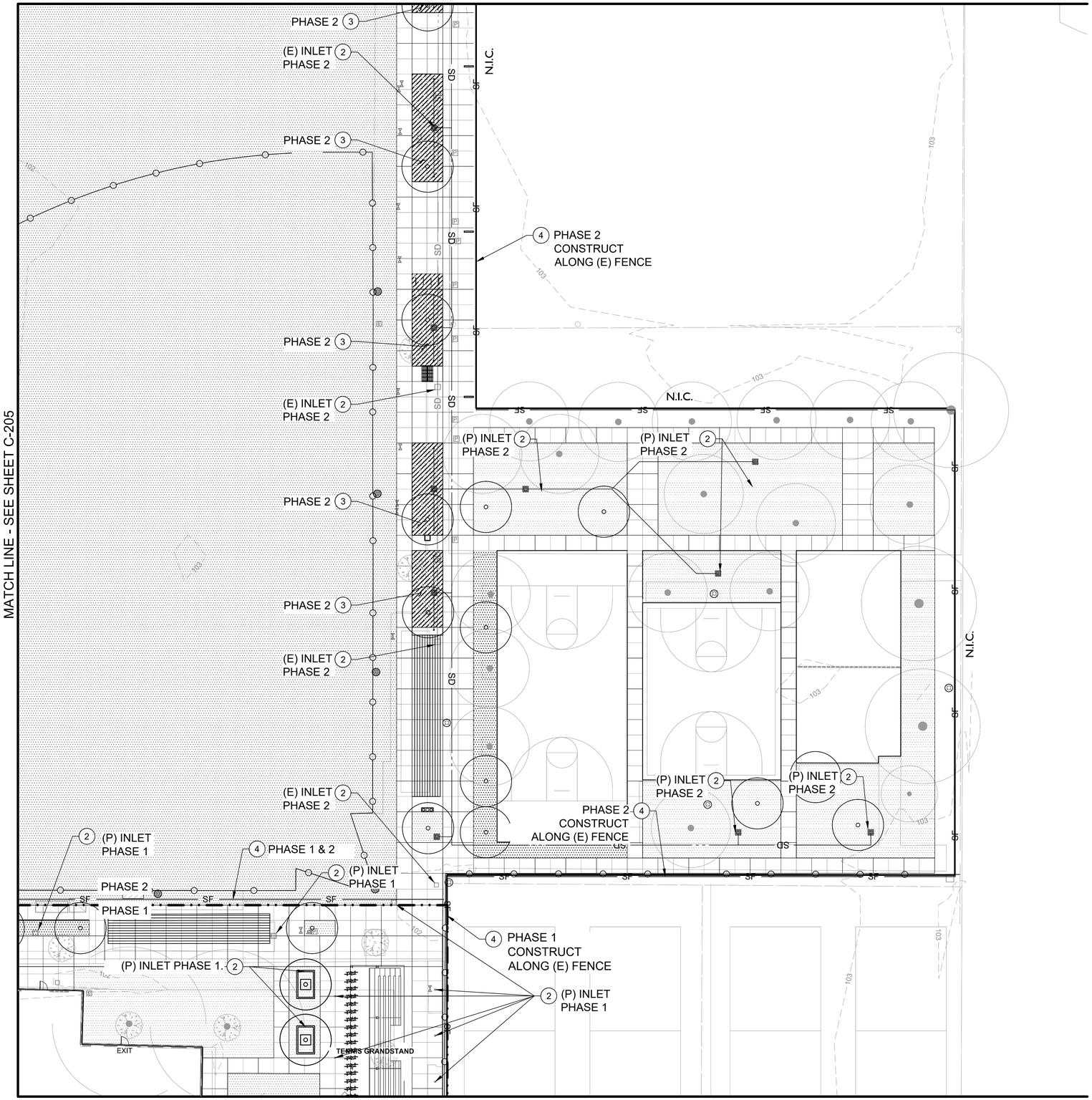
REVISION DATES (DESIGN STAGE ONLY)

TEMPLATE SHEET REVISION DATE: 09/2014
REVISION DATE: 12/8/2016 6:13 PM FILE: P: 8/8942.135-8/8942-1/00/2/CAD SHEETFILES/C-205 EROSION CONTROL PLAN.DWG

MATCH LINE - SEE SHEET C-209

MATCH LINE - SEE SHEET C-205

MATCH LINE - SEE SHEET C-203



EROSION CONTROL NOTES

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2. INLET PROTECTION PER CASQA SE-10 AND DETAIL 2, SHEET C-210
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4. SILT FENCE PER CASQA SE-1 AND DETAIL 3, SHEET C-210, LOCATE INSIDE CONSTRUCTION FENCE
5. SOIL STABILIZATION PER CASQA EC-5

LEGEND

- TC-1 STABILIZED CONSTRUCTION ENTRANCE
- EC-5 SOIL STABILIZATION, APPLY ENVIROTAC II, SOILTAC OR APPROVED EQUAL ON DISTURBED SOIL AS INDICATED. APPLY AT A RATE RECOMMENDED BY THE MANUFACTURER SUITABLE FOR PROTECTION AND TO BE PLANTED AT A LATER DATE.
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NOTE

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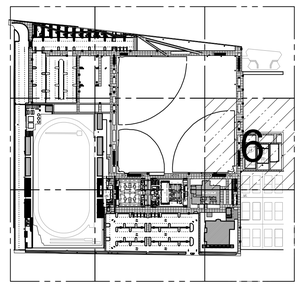

SCALE: 20

BUREAU OF ENGINEERING OFFICIAL RECORD

BUREAU OF ENGINEERING OFFICIAL RECORD

PLANS PREPARED BY:
TETRA TECH, INC.
3475 E. Foothill Blvd.
Pasadena, CA 91107
Phone: (626) 351-4664 Fax: (626) 351-5291

BID SUBMITTAL - DATED DEC. 15, 2016

BUREAU OF ENGINEERING

CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS

ENGINEERING
CITY OF LOS ANGELES

BUILDING NO. XX/XX

RP 300094

INDEX NO. -

NO	REVISIONS:	DATE:	BY:

GARY LEE MOORE, PE, ENV SP CITY ENGINEER
ARCHITECTURAL DIVISION
LIC. NO. 67032
ENGINEER: JOSEPH E. DIETZ
DESIGNED BY: JS
DRAWN BY: JS
CHECKED BY: JD
APPROVED BY:
DATE:

VERTICAL CONTROL:
HORIZONTAL CONTROL:

SHEET TITLE: EROSION CONTROL PLAN

PROJECT: RANCHO CIENEGA SPORTS COMPLEX

ADDRESS: 5001 RODEO ROAD
LOS ANGELES, CA 90016

WORK ORDER NO. E1907694

PLAN FILE NO.

DRAWING NO. C-206

SHEET OF SHEETS

PLOTTED: 12/13/2016 4:01 PM

REVISION DATES (DESIGN STAGE ONLY)

TEMPLATE SHEET REVISION DATE: 08/2014
REVISION DATE: 12/8/2016 6:38 PM FILE: P-83842-133-85842-15002 CAD SHEETFILES C-206 EROSION CONTROL PLAN.DWG

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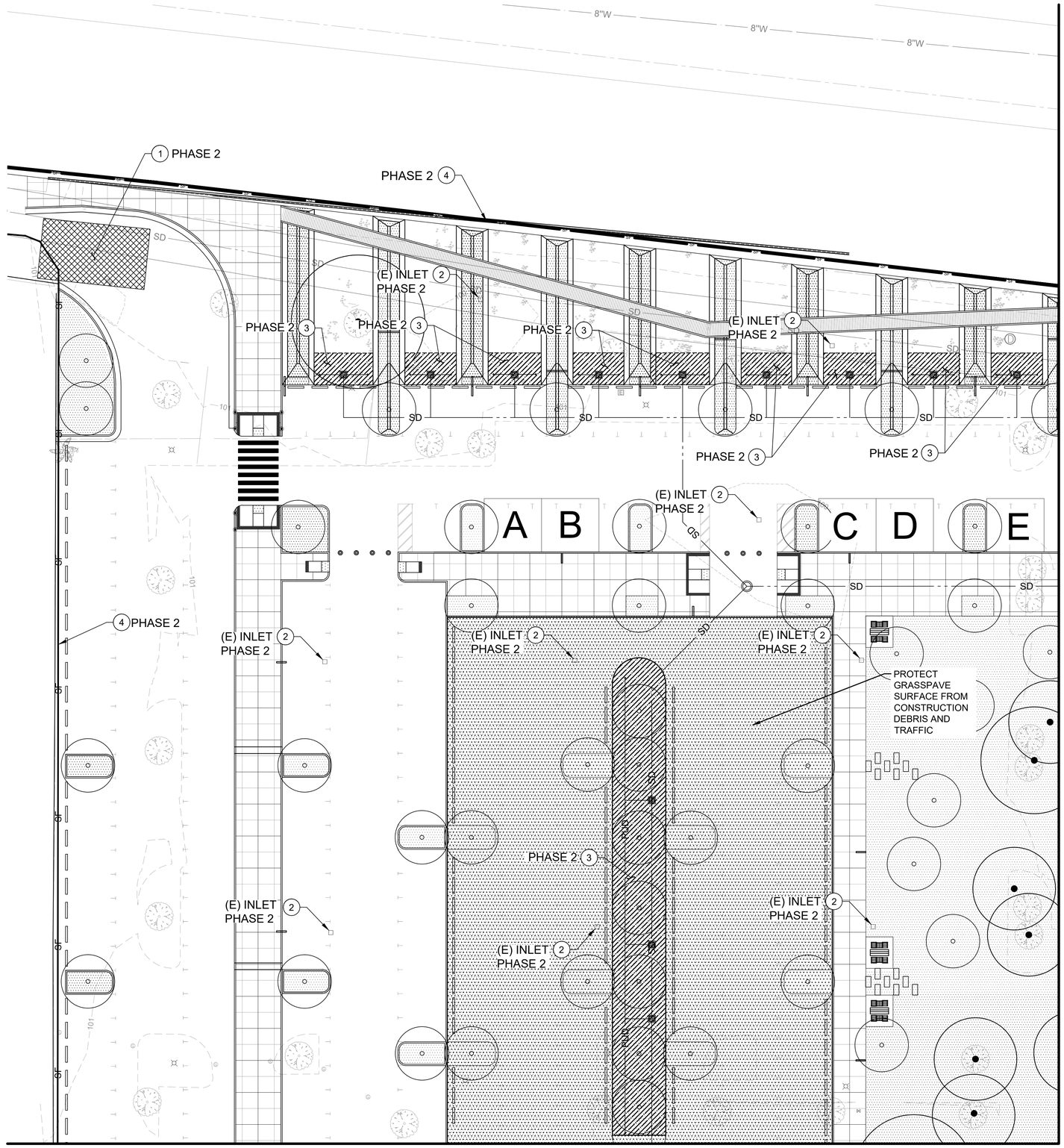

EROSION CONTROL NOTES

1. STABILIZED CONSTRUCTION ENTRANCE PER CASQA TC-1 AND DETAIL 1, SHEET C-210
2. INLET PROTECTION PER CASQA SE-10 AND DETAIL 2, SHEET C-210
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5. SOIL STABILIZATION PER CASQA EC-5

LEGEND

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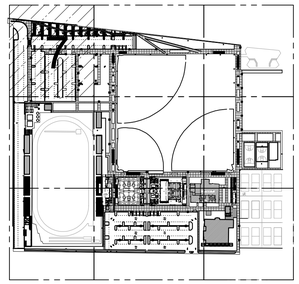

0 10 20 40
SCALE: 20

BUREAU OF ENGINEERING
OFFICIAL RECORD

BID SUBMITTAL - DATED DEC. 15, 2016

CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS

BUREAU OF ENGINEERING

ENGINEERING
CITY OF LOS ANGELES

NO	REVISIONS:	DATE:	BY:

BUILDING NO. XX/XX

INDEX NO. - RP 300094

PROFESSIONAL ENGINEER JOSEPH E. DIETZ No. 67032 REGISTERED CIVIL ENGINEER STATE OF CALIFORNIA

GARY LEE MOORE, PE, ENV SP CITY ENGINEER DATE:
ARCHITECTURAL DIVISION LIC. NO. 67032
ENGINEER: JOSEPH E. DIETZ
DESIGNED BY: JS
DRAWN BY: JS
CHECKED BY: JD
APPROVED BY:

CITY OF LOS ANGELES
VERTICAL CONTROL:
HORIZONTAL CONTROL:

SHEET TITLE: EROSION CONTROL PLAN
PROJECT: RANCHO CIENEGA SPORTS COMPLEX
ADDRESS: 5001 RODEO ROAD LOS ANGELES, CA 90016

WORK ORDER NO. E1907694
PLAN FILE NO.
DRAWING NO. C-207
SHEET OF SHEETS

PLANS PREPARED BY:
TETRA TECH, INC.
3475 E. Foothill Blvd.
Pasadena, CA 91107
Phone: (626) 351-4664 Fax: (626) 351-5291

PLOTTED: 12/13/2016 4:04 PM

REVISION DATES (DESIGN STAGE ONLY)
TEMPLATE SHEET REVISION DATE: 08/2014
REVISION DATE: 12/9/2016 6:17 PM FILE: P: 85842-135-85842-15002\CAD SHEETFILES\C-207 EROSION CONTROL PLAN.DWG

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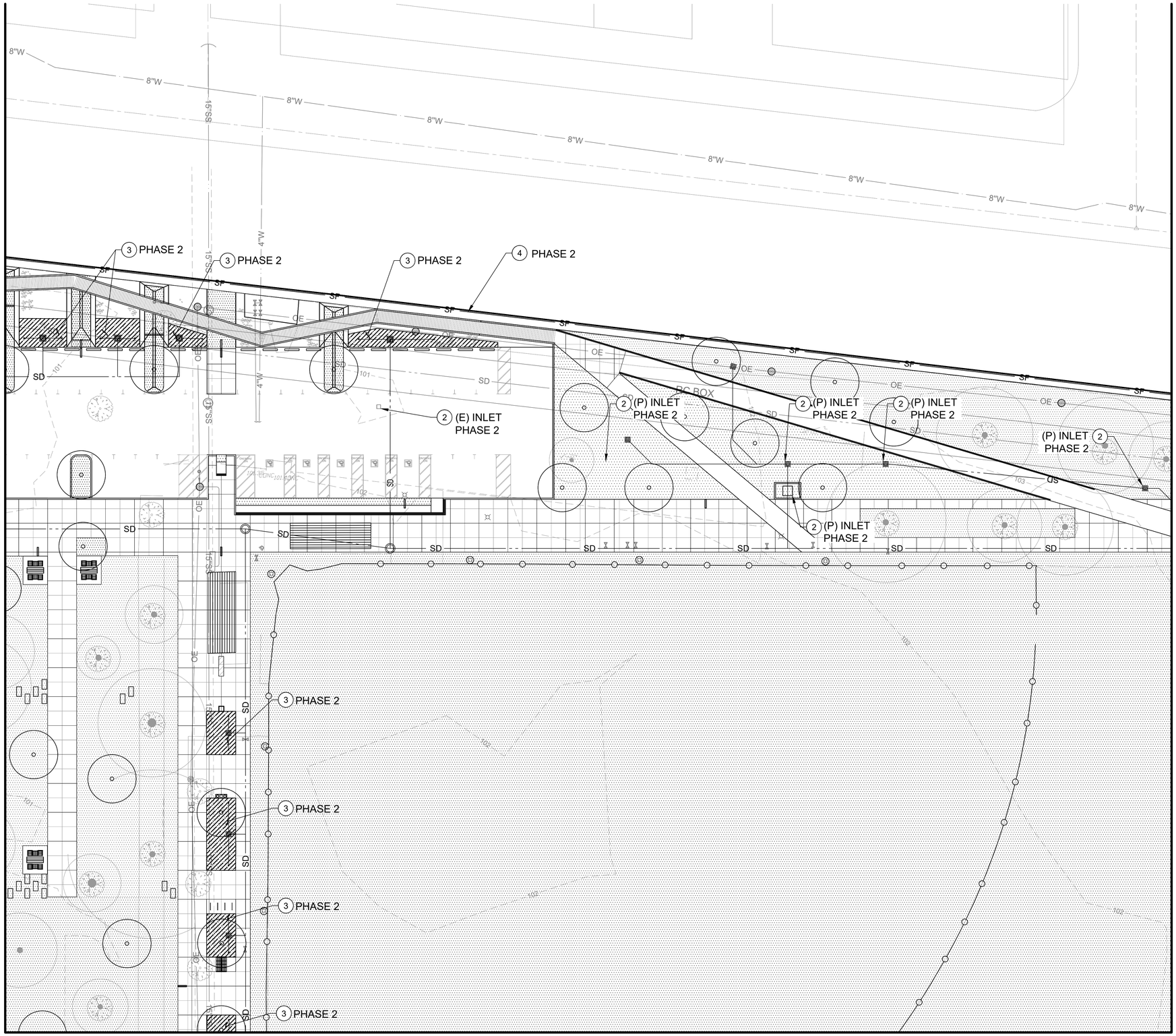
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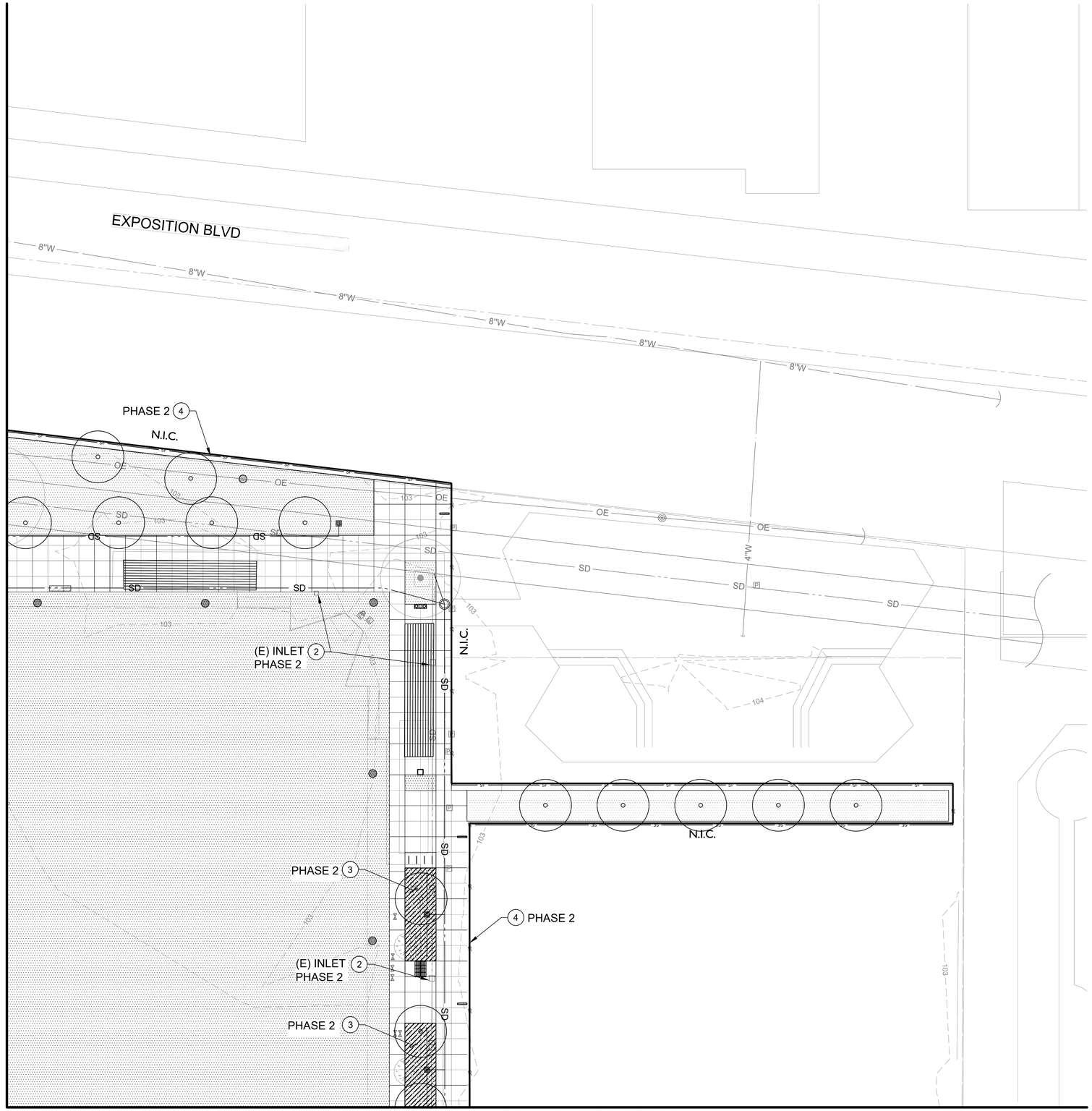

EROSION CONTROL NOTES

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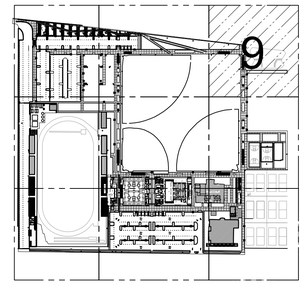


SCALE: 20

PLANS PREPARED BY:
TETRA TECH, INC.
3475 E. Foothill Blvd.
Pasadena, CA 91107
Phone: (626) 351-4664 Fax: (626) 351-5291

BID SUBMITTAL - DATED DEC. 15, 2016

CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS BUREAU OF ENGINEERING

ENGINEERING
CITY OF LOS ANGELES

NO.	REVISIONS:	DATE:	BY:

BUILDING NO. XX/XX

INDEX NO. - RP 300094

GARY LEE MOORE, PE, ENV SP CITY ENGINEER
ARCHITECTURAL DIVISION
ENGINEER: JOSEPH E. DIETZ LIC. NO. 67032 DATE:
DESIGNED BY: JS
DRAWN BY: JS
CHECKED BY: JD
APPROVED BY:

BUREAU OF ENGINEERING OFFICIAL RECORD

VERTICAL CONTROL:
HORIZONTAL CONTROL:

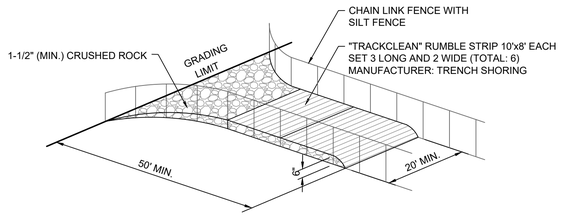
SHEET TITLE: EROSION CONTROL PLAN
PROJECT: RANCHO CIENEGA SPORTS COMPLEX
ADDRESS: 5001 RODEO ROAD LOS ANGELES, CA 90016

WORK ORDER NO. E1907694
PLAN FILE NO.
DRAWING NO. C-209
SHEET OF SHEETS

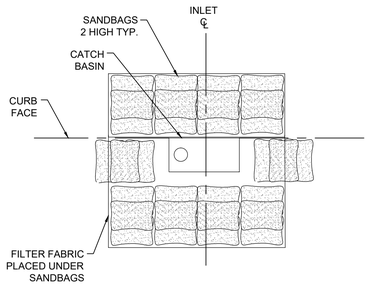
REVISION DATES: (DESIGN STAGE ONLY)

THE CITY OF LOS ANGELES OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF ELECTRONIC COPIES OF THIS PLAN SHEET.

TEMPLATE SHEET REVISION DATE: 08/2014
REVISION DATE: 12/8/2016 5:05 PM FILE: P: \8582\135-65842-15002.CAD\SHEETFILES\C-209; EROSION CONTROL PLAN.DWG
PLOTTED: 12/13/2016 4:11 PM



1 CASQA TC-1 STABILIZATION ENTRANCE
SCALE: NTS



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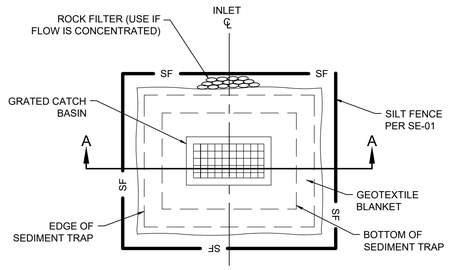

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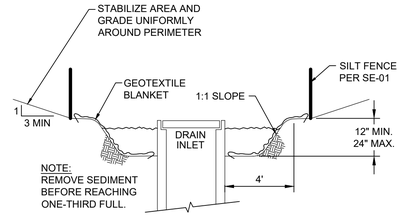
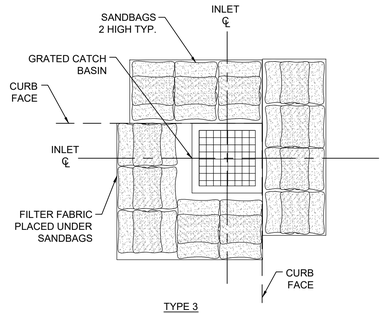


SECTION A-A

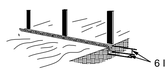


TYPE 3

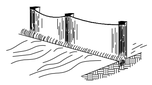
2 CASQA SE-10 INLET PROTECTION
SCALE: NTS

NOTE:
SAND AND GRAVEL BAGS TO BE CONSTRUCTED OF BURLAP.

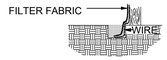
1. SET 2"x2" POSTS AND SPACE AT 6' - 8' ON CENTER. EXCAVATE A 6"x6" TRENCH UPSLOPE FROM AND ALONG THE LINE OF POSTS.



2. ATTACH THE FILTER FABRIC AND EXTEND IT INTO THE TRENCH.



3. BACKFILL AND COMPACT THE NATIVE SOIL.



3 CASQA SE-1 SILT FENCE DETAIL
SCALE: NTS

NOTE:
1. HEIGHT OF FABRIC SHALL BE 36" MIN.
2. MINIMUM TENSILE STRENGTH OF FABRIC: 100 LBS
ASTM D4632
ASTM D4491

STORMWATER POLLUTION PREVENTION PLAN NOTES

ALL ACTIVITIES SHALL BE IN COMPLIANCE WITH ALL APPLICABLE REGULATIONS INCLUDING:

THE CALIFORNIA CONSTRUCTION GENERAL PERMIT FOR DISCHARGES OF STORM WATER ASSOCIATED WITH CONSTRUCTION AND LAND DISTURBANCE ACTIVITIES, ORDER NO. 2009-0009-DWQ, NPDES NO. CAS000002 (AS AMENDED BY 2010-0014-DWQ AND 2012-006-DWQ)

STATE OF CALIFORNIA, CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD, LOS ANGELES REGION, ORDER NO. R4-2012-0175 (AS AMENDED BY STATE WATER BOARD ORDER WQ 2015-0075), NPDES PERMIT NO. CAS004001, WASTE DISCHARGE REQUIREMENTS FOR MUNICIPAL SEPARATE STORM SEWER SYSTEM (MS4) DISCHARGES WITHIN THE COASTAL WATERSHEDS OF LOS ANGELES COUNTY, EXCEPT THOSE DISCHARGES ORIGINATING FROM THE CITY OF LONG BEACH MS4.

1. AS PER STATE REGULATIONS ONLY A QUALIFIED SWPPP DEVELOPER (QSD) SHALL PREPARE, REVISE, AMEND AND MAINTAIN THE PROJECT'S SWPPP WHERE MORE THAN ONE ACRE IS DISTURBED.
2. AS PER STATE REGULATIONS ONLY A QUALIFIED SWPPP PRACTITIONER (QSP) SHALL IMPLEMENT, MONITOR AND MAINTAIN THE BMPS IDENTIFIED IN THE PROJECT SWPPP. INCLUDED IN THESE ACTIVITIES IS COMPLETION OF THE REQUIRED DOCUMENTATION MAINTAINED ON SITE.
3. ALL BMP CORRECTIONS SHALL BE COMPLETED WITHIN 72 HOURS (OR SOONER IF THERE'S A PREDICTED STORM:) OF INSPECTOR'S NOTIFICATION TO CONTRACTOR. NOTE: NOTIFICATION IS BY ANY METHOD INCLUDING VERBAL, WRITTEN, EMAIL, ETCETERA.
□BMP CORRECTIONS SHALL BE COMPLETED BEFORE THE PREDICTED STORM.
4. SOIL DISTURBANCE SHALL BE MINIMIZED AS MUCH AND/OR AS LONG AS POSSIBLE.
5. SOIL AND/OR SEDIMENT EROSION SHALL BE MINIMIZED THROUGH THE IMPLEMENTATION OF BEST MANAGEMENT PRACTICES (BMPS). EROSION CONTROLS ARE THE HIGHEST BMP PRIORITY AND SHALL NOT BE REDUCED BECAUSE OF ENHANCED SEDIMENT CONTROLS.
6. SOIL AND ALL OTHER MATERIALS SHALL NOT LEAVE THE SITE EITHER THROUGH STORM WATER RUNOFF, NON-STORM WATER RUNOFF, EQUIPMENT TRACKING OR TRANSPORT OR BY WIND.
7. SITE EXIT(S) FROM UNSTABILIZED AREAS SHALL BE STABILIZED WITH A GRAVEL PAD OF AT LEAST 1-1/2" ROCK, AT LEAST 6" DEEP, WITH ADEQUATE LENGTH (GENERALLY 50FT) AND WIDTH TO ACCOMMODATE ALL CONSTRUCTION TRAFFIC EXITING THE SITE. THE STABILIZED EXIT SHALL BE CONSTRUCTED SUCH THAT IT CAN NOT BE CIRCUMVENTED BY EXITING VEHICLES. THE STABILIZED EXIT SHALL BE DEEMED INADEQUATE AND IN NEED OF IMPROVEMENT WHEN TRACKING IS PRESENT. REGULAR MAINTENANCE SHALL BE COMPLETED TO KEEP GRAVEL VOIDS OPEN AND SHAKER-PLATES CLEAN.
8. NON-STORM WATER DISCHARGES ARE NOT PERMITTED.
9. ALL SPILLS SHALL BE CLEANED IMMEDIATELY. A SPILL RESPONSE KIT WITH ABSORBENT MATERIALS (INCLUDING BOOMS, PILLOWS AND GRANULES), A SCOOP OR SHOVEL AND A COVERED CONTAINER WITH SECURABLE COVER SHALL BE KEPT ON-SITE DURING THE ENTIRE PROJECT. WORKERS SHALL BE TRAINED IN ITS LOCATION AND CORRECT CLEAN-UP PROCEDURES. ALL POWERED EQUIPMENT SHALL BE KEPT OVER IMPERVIOUS CONTAINMENT DURING NON-WORK HOURS.
10. BULK STORAGE, GREATER-THAN-OR-EQUAL-TO 50 GALLONS, OF ANY LIQUID, OTHER THAN CLEAN WATER, SHALL NOT BE ALLOWED ON THE PROJECT SITE. EQUIPMENT FUELING SHALL OCCUR THROUGH A WET-HOSE OPERATION FROM PERIODIC SERVICE TRUCK VISITS.
11. WET OR UNCURED PORTLAND CEMENT CONCRETE (PCC) SHALL ONLY BE PLACED IN A DESIGNATED PCC WASHOUT CONTAINER. THE PCC WASHOUT CONTAINER SHALL BE ABOVE-GROUND AND LIQUID-TIGHT. PCC WASHOUT WASTEWATER SHALL BE REMOVED AND PROPERLY DISPOSED OF PRIOR TO MOVING THE PCC WASHOUT CONTAINER. ALL PCC DELIVERY TRUCKS, FINISHING TOOLS, BOOTS, ON-SITE MIXERS, GROUTS, MORTAR AND OTHER CEMENTITIOUS-BASED MATERIALS SHALL ONLY CLEANED OVER THE PCC WASHOUT. THE PCC WASHOUT SHALL HAVE A 6" DEEP GRAVEL BED PLACED WHERE TRUCK TRAFFIC WILL DRIVE ADJACENT TO IT WHEN THE QUANTITY OF WASHOUT CREATES MUD. ADDITIONAL PCC WASHOUT SHALL BE ADDED WHEN THERE WILL BE MORE THAN TWO PCC DELIVERY TRUCKS WASHING OUT AT ANY ONE TIME. PLASTIC SHALL BE PLACED UNDER ANY MIXING OR PUMPING OPERATIONS WHERE MATERIAL MAY SPILL.
12. STOCKPILES OF SOIL::SAND::BEDDING::WOOD CHIPS::MULCH::SOIL AMENDMENTS::FERTILIZERS::DEMOLITION WASTES INCLUDING AC, PCC, MASONRY, LUMBER, STEEL, GLASS, PLASTICS, VEGETATION, ETCETERA SHALL BE PLACED UPON A BARRIER SUCH AS PLASTIC SHEETING OR AN IMPERVIOUS SURFACE AND COMPLETELY COVERED WITH PLASTIC SHEETING. THE PLASTIC SHEETING SHALL BE SECURELY ANCHORED AND WILL RESIST WIND OR OTHER NATURAL FORCES WHICH MAY TRY TO REMOVE IT. ALL STOCKPILES SHALL BE INSPECTED EACH WORKING DAY AND AS-NEEDED DURING NON-WORK HOURS.
13. CONSTRUCTION WASTE, SHIPPING AND/OR PACKAGING MATERIALS, SURPLUS SUPPLIES, LITTER AND CONSTRUCTION DEBRIS SHALL BE PLACED IN DESIGNATED WASTE OR RECYCLING CONTAINERS AT THE END OF THE DAY IT'S GENERATED. WASTE CONTAINERS SHALL BE COVERED DURING NON-WORK HOURS OR WHEN THERE'S A PREDICTION OF RAIN OR WIND.
14. HAZARDOUS MATERIALS SHALL BE KEPT IN THEIR ORIGINAL CONTAINERS, CLOSED AND CAPPED. ALL CONTAINERS SHALL BE KEPT IN SECONDARY CONTAINMENT, UNDER-COVER IN A SECURED FACILITY.
15. TEMPORARY TOILETS SHALL BE PLACED UPON A LEVEL SURFACE, NO CLOSER THAN 75 FEET UPSTREAM OF A STORM DRAIN INLET OR DRAINAGE CHANNEL AND UTILIZE SECONDARY CONTAINMENT. TEMPORARY TOILETS SHALL BE REGULARLY SERVICED.
16. ALL DISTURBED AREAS NOT STABILIZED BY PROJECT IMPROVEMENTS SHALL BE STABILIZED BY THE CONTRACTOR AT THE END PROJECT. STABILIZATION SHALL USE MATERIALS DESCRIBED IN CASQA'S BMP FACT SHEET EC-5, "SOIL BINDERS" WITH A LONG-LIVED APPLICATION. THE MATERIAL SELECTED SHALL BE APPROPRIATE FOR THE SOIL TYPE AND CONDITIONS OF THE SITE.
17. THE FOLLOWING CALIFORNIA STORMWATER QUALITY ASSOCIATION (CASQA) CONSTRUCTION BMP FACT SHEETS FOR CONTROLLING: EROSION, SEDIMENT, TRACKING, WIND EROSION, NON-STORMWATER MANAGEMENT AND WASTE MANAGEMENT & MATERIALS POLLUTION WHEN APPLICABLE SHALL BE IMPLEMENTED ON THIS PROJECT:

EROSION CONTROL

EC1 - SCHEDULING
EC2 - PRESERVATION OF EXISTING VEGETATION
EC3 - HYDRAULIC MULCH
EC4 - HYDROSEEDING
EC5 - SOIL BINDERS
EC6 - STRAW MULCH
EC7 - GEOTEXTILES AND MATS
EC8 - WOOD MULCHING
EC9 - EARTH DIKES AND DRAINAGE SWALES
EC10 - VELOCITY DISSIPATION DEVICES
EC11 - SLOPE DRAINS
EC12 - STREAMBANK
EC13 - RESERVED (FORMERLY PAM)
EC14 - COMPOST BLANKET
EC15 - SOIL PREPARATION/ROUGHENING
EC16 - NON-VEGETATIVE STABILIZATION

TEMPORARY SEDIMENT CONTROL

SE1 - SILT FENCE
SE2 - SEDIMENT BASIN
SE3 - SEDIMENT TRAP
SE4 - CHECK DAMS
SE5 - FIBER ROLLS
SE6 - GRAVEL BAG BERM
SE7 - STREET SWEEPING AND VACUUMING
SE8 - SANDBAG BARRIER
SE9 - STRAW BALE BARRIER
SE10 - STORM DRAIN INLET PROTECTION
SE11 - ACTIVE TREATMENT SYSTEMS
SE12 - TEMPORARY SILT DIKE
SE13 - COMPOST SOCKS AND BERMS
SE14 - BIOFILTER BAGS

WIND EROSION CONTROL

WE1 - WIND EROSION CONTROL

NON-STORMWATER MANAGEMENT

NS1 - WATER CONSERVATION PRACTICES
NS2 - DEWATERING OPERATIONS
NS3 - PAVING AND GRINDING OPERATIONS
NS4 - TEMPORARY STREAM CROSSING
NS5 - CLEAR WATER DIVERSION
NS6 - ILLICIT CONNECTION / DISCHARGE
NS7 - POTABLE WATER / IRRIGATION
NS8 - VEHICLE AND EQUIPMENT CLEANING
NS9 - VEHICLE AND EQUIPMENT FUELING
NS10 - VEHICLE AND EQUIPMENT MAINTENANCE
NS11 - PILE DRIVING OPERATIONS
NS12 - CONCRETE CURING
NS13 - CONCRETE FINISHING
NS14 - MATERIAL AND EQUIPMENT USE
NS15 - DEMOLITION ADJACENT TO WATER
NS16 - TEMPORARY BATCH PLANTS

WASTE MANAGEMENT & MATERIAL POLLUTION CONTROL

WM1 - MATERIAL DELIVERY AND STORAGE
WM2 - MATERIAL USE
WM3 - STOCKPILE MANAGEMENT
WM4 - SPILL PREVENTION AND CONTROL
WM5 - SOLID WASTE MANAGEMENT
WM6 - HAZARDOUS WASTE MANAGEMENT
WM7 - CONTAMINATION SOIL MANAGEMENT
WM8 - CONCRETE WASTE MANAGEMENT
WM9 - SANITARY / SEPTIC WASTE MANAGEMENT
WM10 - LIQUID WASTE MANAGEMENT

EQUIPMENT TRACKING CONTROL

TC1 - STABILIZED CONSTRUCTION ENTRANCE/EXIT
TC2 - STABILIZED CONSTRUCTION ROADWAY
TC3 - ENTRANCE / OUTLET TIRE WASH

THE CONTRACTOR SHALL MONITOR AND DOCUMENT THE WEATHER DAILY THROUGH THE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION (NOAA) WEBSITE AT: HTTP://FORECAST.WEATHER.GOV.

EROSION CONTROL BMPS ARE THE PRIMARY MEANS TO PREVENT CONTAMINATION. INADEQUATE EROSION CONTROL BMPS SHALL NOT BE JUSTIFIED BY ADDITIONAL SEDIMENT CONTROL BMPS.

EVERY EFFORT SHALL BE MADE TO AVOID THE EXPOSURE OF CONSTRUCTION MATERIALS TO RAINFALL AND RUNOFF.

INADEQUATE POLLUTION PREVENTION BMPS SHALL NOT BE JUSTIFIED BY INCREASED TREATMENT BMPS.

BUREAU OF ENGINEERING
OFFICIAL RECORD

PLANS PREPARED BY:
TETRA TECH, INC.
3475 E. Foothill Blvd.
Pasadena, CA 91107
Phone: (626) 351-4664 Fax: (626) 351-5291

BID SUBMITTAL - DATED DEC. 15, 2016

CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS
BUREAU OF ENGINEERING
CITY OF LOS ANGELES

NO.	REVISIONS:	DATE:	BY:

BUILDING NO. XX/XX
INDEX NO. -
RP 300094

REGISTERED PROFESSIONAL ENGINEER JOSEPH E. DIETZ No. 67032 EXP: 6/30/18 STATE OF CALIFORNIA

GARY LEE MOORE, PE, ENV SP CITY ENGINEER
ARCHITECTURAL DIVISION
ENGINEER: JOSEPH E. DIETZ LIC. NO. 67032
DESIGNED BY: JS
DRAWN BY: JS
CHECKED BY: JD
APPROVED BY:
DATE:

VERTICAL CONTROL:
HORIZONTAL CONTROL:

SHEET TITLE: EROSION CONTROL NOTES
PROJECT: RANCHO CIENEGA SPORTS COMPLEX
ADDRESS: 5001 RODEO ROAD LOS ANGELES, CA 90016

WORK ORDER NO. E1907694
PLAN FILE NO.
DRAWING NO. C-210
SHEET OF SHEETS

PLOTTED: 12/13/2016 5:01 PM

REVISION DATES (DESIGN STAGE ONLY)

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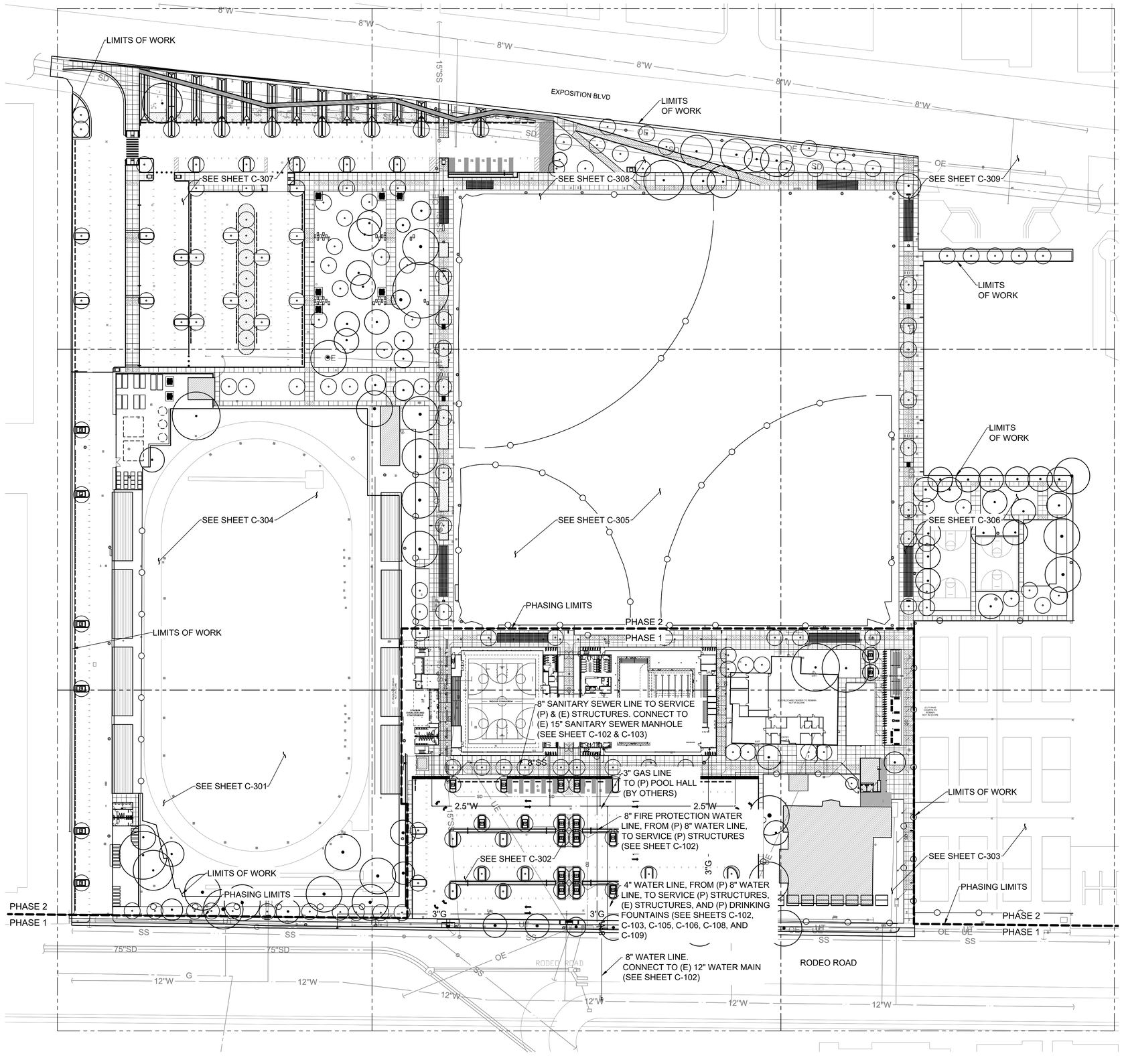
TEMPLATE SHEET REVISION DATE: 09/2014
REVISION DATE: 12/7/2016 6:09 PM
FILE: P: 8/8942-135-8/8942-15002/CAD SHEETFILES C-210 EROSION CONTROL DETAILS.DWG



LEGEND:

(E) =	EXISTING
(P) =	PROPOSED
SS	(E) SANITARY SEWER
G	(E) GAS
UE	(E) ELECTRICAL
W	(E) WATER
OE	(E) OVERHEAD ELECTRICAL
SD	(E) STORM DRAIN
UT	(E) UNDERGROUND TELECOM
UTV	(E) UNDERGROUND TELEVISION
SS	(P) SANITARY SEWER
G	(P) GAS
W	(P) WATER

GENERAL NOTES

1. DO NOT SCALE FROM DRAWINGS. ANY INCONSISTENCIES OR UNFORESEEN CONDITIONS TO BE REVIEWED BY THE ARCHITECT PRIOR TO PROCEEDING WITH CONSTRUCTION
2. EXISTING UTILITIES HAVE BEEN PRODUCED OFF OF AS-BUITLS AND FIELD DATA. THEIR LOCATIONS ARE TO BE CONSIDERED REFERENCE ONLY. CONTRACTOR TO VERIFY LOCATIONS IN FIELD.
3. PROPOSED STORM DRAIN SYSTEM NOT SHOWN FOR CLARITY. SEE SHEETS C-301 - 309.
4. SEE SHEETS C-301 - C-309 FOR DETAILED CONSTRUCTION NOTES FOR THE PROPOSED UTILITIES.

THE CITY OF LOS ANGELES OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF ELECTRONIC COPIES OF THIS PLAN SHEET.

TEMPLATE SHEET REVISION DATE: 08/2014
REVISION DATE: 12/10/2016 12:03 PM FILE: P:\85842\135-85842-15002\CAD\SHEETFILES\C-300_UTILITYPLAN.DWG
REVISION DATES: [DESIGN STAGE ONLY]

BID SUBMITTAL - DATED DEC. 15, 2016

BUREAU OF ENGINEERING
DEPARTMENT OF PUBLIC WORKS
CITY OF LOS ANGELES

ENGINEERING
CITY OF LOS ANGELES

BUILDING NO. XX/XX

INDEX NO. -

RP 300094

NO.	REVISIONS:	DATE	BY:
1			
2			
3			
4			
5			

REGISTERED PROFESSIONAL ENGINEER
JOSEPH E. DIETZ
No. 67032
EXP: 6-30-18
STATE OF CALIFORNIA

GARY LEE MOORE, PE, ENV SP CITY ENGINEER
ARCHITECTURAL DIVISION
ENGINEER: JOSEPH E. DIETZ LIC. NO. 67032 DATE:
DESIGNED BY: JS
DRAWN BY: JS
CHECKED BY: JD
APPROVED BY:

VERTICAL CONTROL:
HORIZONTAL CONTROL:
SHEET TITLE: OVERALL UTILITY PLAN
PROJECT: RANCHO CIENEGA SPORTS COMPLEX
ADDRESS: 5001 RODEO ROAD LOS ANGELES, CA 90016

PLANS PREPARED BY:
TETRA TECH, INC.
3475 E. Foothill Blvd.
Pasadena, CA 91107
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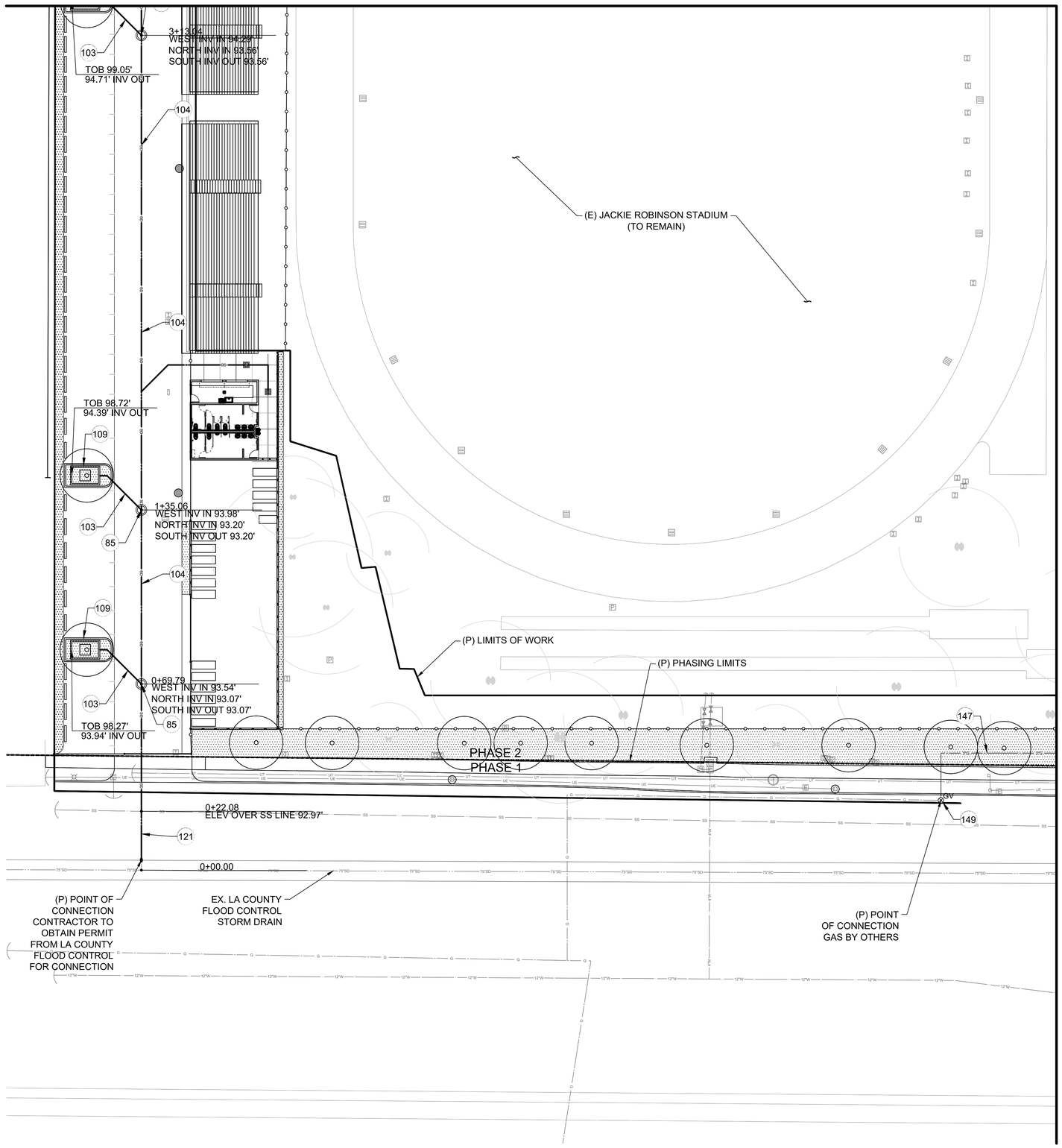
BUREAU OF ENGINEERING OFFICIAL RECORD

WORK ORDER NO. E1907694
PLAN FILE NO.
DRAWING NO. C-300
SHEET OF SHEETS

PLOTTED: 12/13/2016 4:24 PM

THE CITY OF LOS ANGELES OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF ELECTRONIC COPIES OF THIS PLAN SHEET.

MATCH LINE - SEE SHEET C-304



MATCH LINE - SEE SHEET C-302

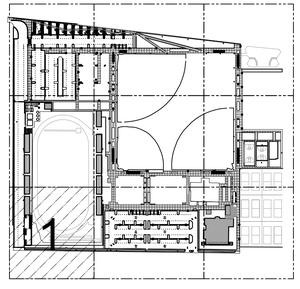
LEGEND

(E) = EXISTING
(P) = PROPOSED

- (E) SANITARY SEWER
- (E) GAS
- (E) ELECTRICAL
- (E) WATER
- (E) OVERHEAD ELECTRICAL
- (E) STORM DRAIN
- (E) UNDERGROUND TELECOM
- (E) UNDERGROUND TELEVISION
- (P) SANITARY SEWER
- (P) GAS
- (P) WATER
- (P) STORM DRAIN
- (P) PVC UNDERDRAIN
- (E) LIGHT POLE
- (E) ELECTRICAL PULLBOX
- (E) UNKNOWN PULLBOX
- (E) WATER VALVE
- (E) TV/CABLE PULLBOX
- (E) TELECOM MANHOLE
- (E) TELECOM PULLBOX
- (E) SEWER CLEAN OUT
- (E) IRRIGATION CONTROL BOX
- (E) WATER METER
- (E) STORM DRAIN INLET
- (E) SEWER MANHOLE
- (E) GAS VALVE
- (E) POWER POLE
- (E) DRINKING FOUNTAIN
- (P) LIGHT
- (P) DRINKING FOUNTAIN
- (P) SEWER CLEANOUT
- (P) GAS VALVE
- (P) STORM DRAIN CATCH BASIN INLET
- (P) STORM DRAIN MANHOLE
- (P) WATER METER
- (P) BACKFLOW PREVENTER
- (P) GAS METER
- (P) GATE VALVE
- (P) WATER VALVE
- (P) POST INDICATOR VALVE

CONSTRUCTION NOTES

85. STORM DRAIN MANHOLE PER STD. S-381-0
103. 12" DIA. HDPE STORM DRAIN PIPE
104. 18" DIA. HDPE STORM DRAIN PIPE
109. BIOFILTRATION PLANTER BOX TYPE 1 PER DETAIL 5, SHEET C-504
121. 18" DIARCP STORM DRAIN PIPE
147. GAS LINE
149. GAS VALVE
150. GATE VALVE



GENERAL NOTES

1. KEYNOTES ARE SPECIFIC TO THE DRAWING SECTION IN WHICH THEY RESIDE.
2. ALL DIMENSIONS ARE TO FACE OF FINISH UNLESS OTHERWISE NOTED.
3. DO NOT SCALE FROM DRAWINGS. ANY INCONSISTENCIES OR UNFORESEEN CONDITIONS TO BE REVIEWED BY THE ARCHITECT PRIOR TO PROCEEDING WITH CONSTRUCTION
4. GRID REFERENCES AND DIMENSIONS ARE INDICATED FOR REFERENCE ONLY
5. EXISTING UTILITIES HAVE BEEN PRODUCED OFF OF AS-BUILTS AND FIELD DATA. THEIR LOCATIONS ARE TO BE CONSIDERED REFERENCE ONLY. CONTRACTOR TO VERIFY LOCATIONS IN FIELD.

0 10 20 40
SCALE: 20

BUREAU OF ENGINEERING
OFFICIAL RECORD

BID SUBMITTAL - DATED DEC. 15, 2016

CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS
BUREAU OF ENGINEERING
CITY OF LOS ANGELES ENGINEERING

NO.	REVISIONS:	DATE	BY:
1			
2			
3			
4			
5			

BUILDING NO. XX/XX
INDEX NO. - RP 300094

REGISTERED PROFESSIONAL ENGINEER
JOSEPH E. DIETZ
No. 67032
EXP: 9-30-18
STATE OF CALIFORNIA
CIVIL

GARY LEE MOORE, PE, ENV SP CITY ENGINEER
ARCHITECTURAL DIVISION
LIC. NO. 67032 DATE:
ENGINEER: JOSEPH E. DIETZ
DESIGNED BY: JS
DRAWN BY: JS
CHECKED BY: JD
APPROVED BY:

VERTICAL CONTROL:
HORIZONTAL CONTROL:
SHEET TITLE: UTILITY PLAN
PROJECT: RANCHO CIENEGA SPORTS COMPLEX
ADDRESS: 5001 RODEO ROAD LOS ANGELES, CA 90016

PLANS PREPARED BY:
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3475 E. Foothill Blvd.
Pasadena, CA 91107
Phone: (626) 351-4664 Fax: (626) 351-5291

WORK ORDER NO. E1907694
PLAN FILE NO.
DRAWING NO. C-301
SHEET OF SHEETS

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REVISION DATES: (DESIGN STAGE ONLY)

TEMPLATE SHEET REVISION DATE: 08/2014
REVISION DATE: 12/13/2016 1:40 PM FILE: P-985942(13S-85842-15002)\CAD\SHEETFILES\C-301_UTILITYPLAN.DWG

THE CITY OF LOS ANGELES OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF ELECTRONIC COPIES OF THIS PLAN SHEET.

MATCH LINE - SEE SHEET C-305

MATCH LINE - SEE SHEET C-301

MATCH LINE - SEE SHEET C-303

PHASE 2
PHASE 1

SEE PLUMBING PLANS FOR (P) WATER, GAS & SEWER AT (P) STRUCTURES

SEE PLUMBING PLANS FOR (P) SEWER AT (P) STRUCTURE

SEE PLUMBING PLANS FOR (P) WATER & SEWER AT (P) STRUCTURE

CO ELEV 89.98'
BEND ELEV 89.93'
CO ELEV 90.03'
CO ELEV 90.12'
CO ELEV 90.25'
MH ELEV 89.90'
MH ELEV 90.23'

(P) LIMITS OF WORK
(P) PHASING LIMITS

RODEO ROAD

90" TILE
78" LINER

63" TILE
54" LINER

36" RCP STUB
18" RCP
27" RCP

(P) POINT OF CONNECTION

LEGEND

(E) = EXISTING
(P) = PROPOSED

SS	(E) SANITARY SEWER
G	(E) GAS
UE	(E) ELECTRICAL
W	(E) WATER
OE	(E) OVERHEAD ELECTRICAL
SD	(E) STORM DRAIN
UT	(E) UNDERGROUND TELECOM
UTV	(E) UNDERGROUND TELEVISION
SS	(P) SANITARY SEWER
G	(P) GAS
W	(P) WATER
SD	(P) STORM DRAIN
PUD	(P) PVC UNDERDRAIN

(E) LIGHT POLE	(P) LIGHT
(E) ELECTRICAL PULLBOX	(P) DRINKING FOUNTAIN
(E) UNKNOWN PULLBOX	(P) SEWER CLEANOUT
(E) WATER VALVE	(P) GAS VALVE
(E) TV/CABLE PULLBOX	(P) STORM DRAIN CATCH BASIN INLET
(E) TELECOM MANHOLE	(P) STORM DRAIN MANHOLE
(E) TELECOM PULLBOX	(P) WATER METER
(E) SEWER CLEAN OUT	(P) BACKFLOW PREVENTER
(E) IRRIGATION CONTROL BOX	(P) GAS METER
(E) WATER METER	(P) GATE VALVE
(E) STORM DRAIN INLET	(P) WATER VALVE
(E) SEWER MANHOLE	(P) POST INDICATOR VALVE
(E) GAS VALVE	
(E) POWER POLE	
(E) DRINKING FOUNTAIN	

CONSTRUCTION NOTES

120. "NO DUMPING" STENCIL PER DETAIL 2, SHEET C-504
131. SANITARY SEWER PIPE
132. SANITARY SEWER MANHOLE PER STD. S-140-0
140. TERMINAL CLEANOUT STRUCTURE "Y" (TCS"Y")
146. WATER VALVE
147. GAS LINE
148. WATER LINE
149. GAS VALVE
150. GATE VALVE
151. BACK FLOW PREVENTER METER WITH METER AND SERVICE VALVE
152. POST INDICATOR VALVE
153. HOT TAP EXISTING WATER MAIN

GENERAL NOTES

1. KEYNOTES ARE SPECIFIC TO THE DRAWING SECTION IN WHICH THEY RESIDE.
2. ALL DIMENSIONS ARE TO FACE OF FINISH UNLESS OTHERWISE NOTED.
3. DO NOT SCALE FROM DRAWINGS. ANY INCONSISTENCIES OR UNFORESEEN CONDITIONS TO BE REVIEWED BY THE ARCHITECT PRIOR TO PROCEEDING WITH CONSTRUCTION
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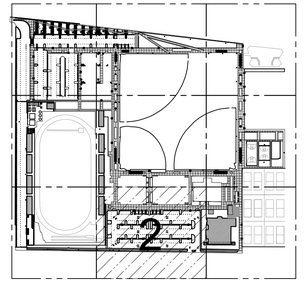

SCALE: 20

BUREAU OF ENGINEERING
OFFICIAL RECORD

BID SUBMITTAL - DATED DEC. 15, 2016

BUREAU OF ENGINEERING
DEPARTMENT OF PUBLIC WORKS
CITY OF LOS ANGELES

ENGINEERING
CITY OF LOS ANGELES

NO.	REVISIONS:	DATE	BY:

BUILDING NO. XX/XX

RP 300094

INDEX NO. -

REGISTERED PROFESSIONAL ENGINEER
CHRISTOPHER E. DIETZ
No. 67032
EXP: 6-30-18
CIVIL
STATE OF CALIFORNIA

CITY ENGINEER	DATE:
GARY LEE MOORE, PE, ENV SP	
ARCHITECTURAL DIVISION	LIC. NO. 67032
ENGINEER: JOSEPH E. DIETZ	
DESIGNED BY:	
DRAWN BY:	
CHECKED BY:	
APPROVED BY:	

PLANS PREPARED BY:
TETRA TECH, INC.
3475 E. Foothill Blvd.
Pasadena, CA 91107
Phone: (626) 351-4664 Fax: (626) 351-5291

VERTICAL CONTROL:
HORIZONTAL CONTROL:
SHEET TITLE: UTILITY PLAN
PROJECT: RANCHO CIENEGA SPORTS COMPLEX
ADDRESS: 5001 RODEO ROAD LOS ANGELES, CA 90016

WORK ORDER NO. E1907694
PLAN FILE NO.
DRAWING NO. C-302
SHEET OF SHEETS

REVISION DATES: (RESERVED FOR STAMP ONLY)

TEMPLATE SHEET REVISION DATE: 08/2014
REVISION DATE: 12/13/2016 12:42 PM
FILE: P:\85842\135-85842-15002\CAD\SHEETFILES\C-302_UTILITYPLAN.DWG

PLOTTED: 12/13/2016 4:30 PM

MATCH LINE - SEE SHEET C-306

MATCH LINE - SEE SHEET C-302

CHILDCARE CENTER TO REMAIN
NOT IN SCOPE

(E) CHILD CARE CENTER
(TO REMAIN). CONNECT (E) WATER AND
SEWER TO (P) WATER AND SEWER

ENTRY

CO ELEV 90.55

CO 4"SS

131 2.5"W

CO ELEV 90.66'

(E) TENNIS
COURTS TO
REMAIN
NOT IN SCOPE

(E) TENNIS COURTS
(TO REMAIN)

SEE PLUMBING PLANS FOR (P) WATER AND
SEWER AT (P) STRUCTURES

(P) PHASING LIMITS

PHASE 1

PHASE 2

(P) LIMITS OF WORK

UE

UTV

UT

OE

SS

W

3"W

12"W

LEGEND

(E) = EXISTING
(P) = PROPOSED

- SS — (E) SANITARY SEWER
- G — (E) GAS
- UE — (E) ELECTRICAL
- W — (E) WATER
- OE — (E) OVERHEAD ELECTRICAL
- SD — (E) STORM DRAIN
- UT — (E) UNDERGROUND TELECOM
- UTV — (E) UNDERGROUND TELEVISION
- SS — (P) SANITARY SEWER
- G — (P) GAS
- W — (P) WATER
- SD — (P) STORM DRAIN
- PUD — (P) PVC UNDERDRAIN

- (E) LIGHT POLE
- (E) ELECTRICAL PULLBOX
- (E) UNKNOWN PULLBOX
- (E) WATER VALVE
- (E) TV/CABLE PULLBOX
- (E) TELECOM MANHOLE
- (E) TELECOM PULLBOX
- (E) SEWER CLEAN OUT
- (E) IRRIGATION CONTROL BOX
- (E) WATER METER
- (E) STORM DRAIN INLET
- (E) SEWER MANHOLE
- (E) GAS VALVE
- (E) POWER POLE
- (E) DRINKING FOUNTAIN
- (P) LIGHT
- (P) DRINKING FOUNTAIN
- CO (P) SEWER CLEANOUT
- GV (P) GAS VALVE
- (P) STORM DRAIN CATCH BASIN INLET
- (P) STORM DRAIN MANHOLE
- WM (P) WATER METER
- BFP (P) BACKFLOW PREVENTER
- GM (P) GAS METER
- GV (P) GATE VALVE
- WV (P) WATER VALVE
- PIV (P) POST INDICATOR VALVE

CONSTRUCTION NOTES

120. "NO DUMPING" STENCIL PER DETAIL 2, SHEET C-504
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132. SANITARY SEWER MANHOLE PER STD. S-140-0
140. TERMINAL CLEANOUT STRUCTURE "Y" (TCS"Y")
146. WATER VALVE
147. GAS LINE
148. WATER LINE
149. GAS VALVE
150. GATE VALVE
151. BACK FLOW PREVENTER METER WITH METER AND SERVICE VALVE
152. POST INDICATOR VALVE
153. HOT TAP EXISTING WATER MAIN

GENERAL NOTES

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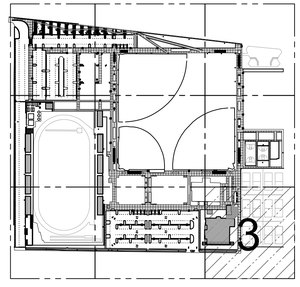

0 10 20 40
SCALE: 20

BUREAU OF ENGINEERING
OFFICIAL RECORD

90% CONSTRUCTION DOCUMENTS - NOT FOR CONSTRUCTION

CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS
BUREAU OF ENGINEERING

ENGINEERING
CITY OF LOS ANGELES

NO.	REVISIONS:	DATE	BY:
1			
2			
3			
4			
5			

BUILDING NO. XX/XX

INDEX NO. - RP 300094

REGISTERED PROFESSIONAL ENGINEER
No. 67032
CIVIL
STATE OF CALIFORNIA

GARY LEE MOORE, PE, ENV SP CITY ENGINEER
ARCHITECTURAL DIVISION
ENGINEER: JOSEPH E. DIETZ LIC. NO. 67032
DESIGNED BY:
DRAWN BY:
CHECKED BY:
APPROVED BY:
DATE:

VERTICAL CONTROL:
HORIZONTAL CONTROL:
SHEET TITLE: UTILITY PLAN
PROJECT: RANCHO CIENEGA SPORTS COMPLEX
ADDRESS: 5001 RODEO ROAD
LOS ANGELES, CA 90016

PLANS PREPARED BY:
TETRA TECH, INC.
3475 E. Foothill Blvd.
Pasadena, CA 91107
Phone: (626) 351-4664 Fax: (626) 351-5291

WORK ORDER NO. E1907694
PLAN FILE NO.
DRAWING NO. C-303
SHEET OF SHEETS

PLOTTED: 12/13/2016 4:34 PM

REVISION DATES:
[RESERVED FOR CITY STAFF USE ONLY]

REVISION DATE: 12/13/2016 2:09 PM FILE: P-858421\35-85842-15002\CAD\SHEETFILES\C-303_UTILITYPLAN.DWG
TEMPLATE SHEET REVISION DATE: 08/2014

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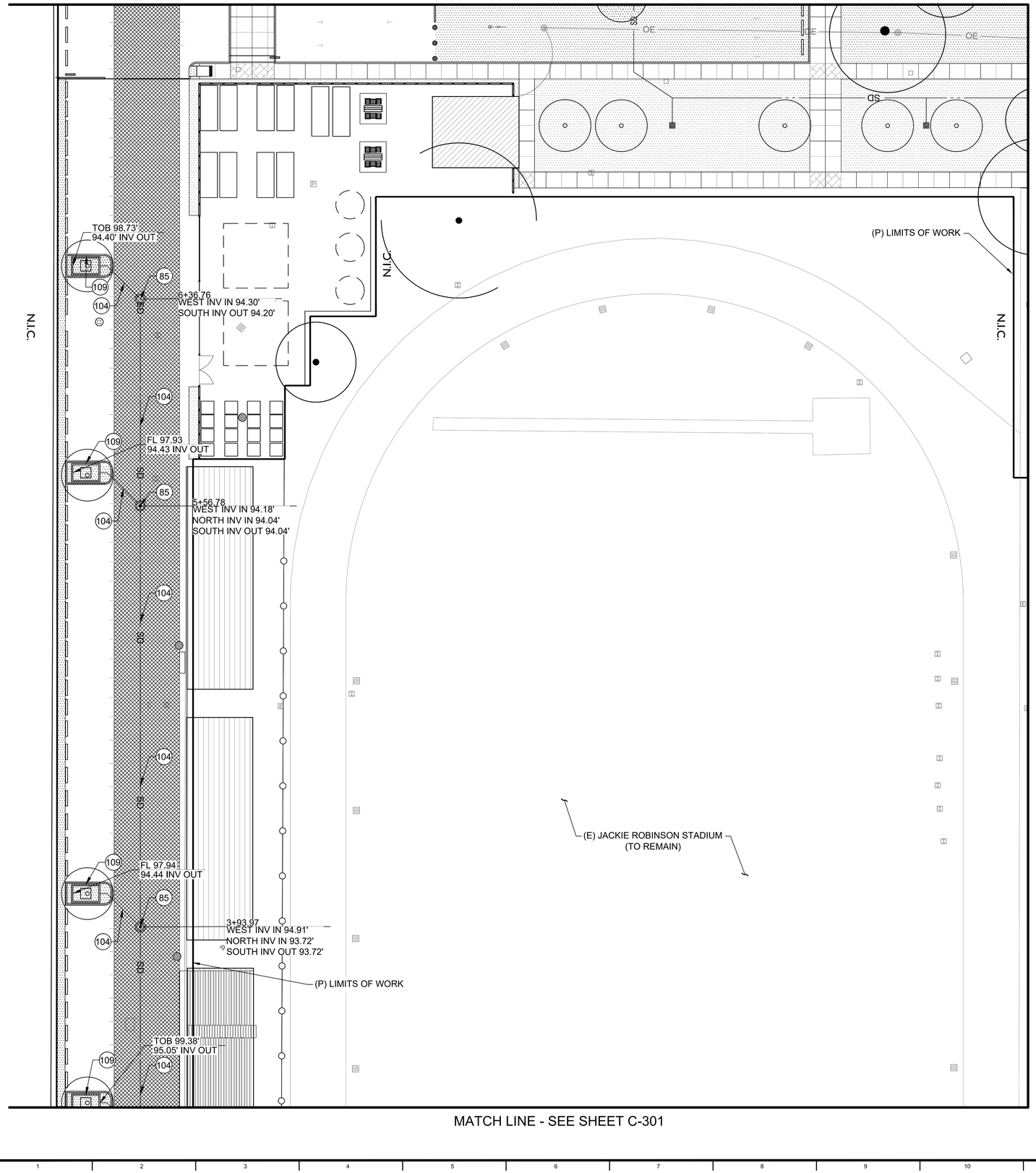
MATCH LINE - SEE SHEET C-307



MATCH LINE - SEE SHEET C-305

MATCH LINE - SEE SHEET C-301

LEGEND

(E) = EXISTING
(P) = PROPOSED

- SS — (E) SANITARY SEWER
- G — (E) GAS
- UE — (E) ELECTRICAL
- W — (E) WATER
- OE — (E) OVERHEAD ELECTRICAL
- SD — (E) STORM DRAIN
- UT — (E) UNDERGROUND TELECOM
- UTV — (E) UNDERGROUND TELEVISION
- SS — (P) SANITARY SEWER
- G — (P) GAS
- W — (P) WATER
- SD — (P) STORM DRAIN
- PUD — (P) PVC UNDERDRAIN

- (E) LIGHT POLE
- (E) ELECTRICAL PULLBOX
- (E) UNKNOWN PULLBOX
- (E) WATER VALVE
- (E) TV/CABLE PULLBOX
- (E) TELECOM MANHOLE
- (E) TELECOM PULLBOX
- (E) SEWER CLEAN OUT
- (E) IRRIGATION CONTROL BOX
- (E) WATER METER
- (E) STORM DRAIN INLET
- (E) SEWER MANHOLE
- (E) GAS VALVE
- (E) POWER POLE
- (E) DRINKING FOUNTAIN
- (P) LIGHT
- (P) DRINKING FOUNTAIN
- (P) SEWER CLEANOUT
- (P) GAS VALVE
- (P) STORM DRAIN CATCH BASIN INLET
- (P) STORM DRAIN MANHOLE
- (P) WATER METER
- (P) BACKFLOW PREVENTER
- (P) GAS METER
- (P) GATE VALVE
- (P) WATER VALVE
- (P) POST INDICATOR VALVE

CONSTRUCTION NOTES

85. STORM DRAIN MANHOLE PER STD. S-381-0
104. 18" DIA. HDPE STORM DRAIN PIPE
109. BIOFILTRATION PLANTER BOX TYPE 1 PER DETAIL 5, SHEET C-504

GENERAL NOTES

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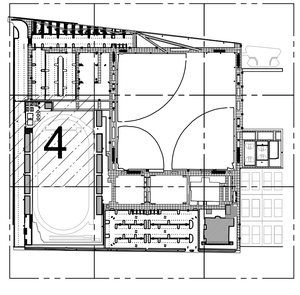

BUREAU OF ENGINEERING
OFFICIAL RECORD

0 10 20 40
SCALE: 20

PLANS PREPARED BY:
TETRA TECH, INC.
3475 E. Foothill Blvd.
Pasadena, CA 91107
Phone: (626) 351-4664 Fax: (626) 351-5291

BID SUBMITTAL - DATED DEC. 15, 2016

BUREAU OF ENGINEERING
DEPARTMENT OF PUBLIC WORKS
CITY OF LOS ANGELES

ENGINEERING
CITY OF LOS ANGELES

BUILDING NO. XX/XX
INDEX NO. - RP 300094

NO. REVISIONS: DATE: BY:

REGISTERED PROFESSIONAL ENGINEER JOSEPH E. DIETZ No. 67032 CIVIL STATE OF CALIFORNIA

GARY LEE MOORE, PE, ENV SP CITY ENGINEER DATE:
LIC. NO. 67032 ARCHITECTURAL DIVISION
ENGINEER: JOSEPH E. DIETZ
DESIGNED BY:
DRAWN BY:
CHECKED BY:
APPROVED BY:

VERTICAL CONTROL:
HORIZONTAL CONTROL:
SHEET TITLE: UTILITY PLAN
PROJECT: RANCHO CIENEGA SPORTS COMPLEX
ADDRESS: 5001 RODEO ROAD LOS ANGELES, CA 90016

WORK ORDER NO. E1907694
PLAN FILE NO.
DRAWING NO. C-304
SHEET OF SHEETS

PLOTTED: 12/13/2016 4:40 PM

REVISION DATES: (DESIGN STAGE ONLY)

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TEMPLATE SHEET REVISION DATE: 08/2014
REVISION DATE: 12/9/2016 4:32 PM FILE: P-98542(135-85842-15002)\CAD\SHEETFILES\C-304_UTILITYPLAN.DWG

MATCH LINE - SEE SHEET C-108

MATCH LINE - SEE SHEET C-104

MATCH LINE - SEE SHEET C-106

MATCH LINE - SEE SHEET C-102

TG 101.40'
96.20' INV IN
94.20' INV OUT

2+16.65
INV IN 93.75'

TG 100.69'
95.49' INV IN
93.49' INV OUT

2+55.65
INV IN 93.95'

TG 100.09'
94.89' INV IN
92.89' INV OUT

3+06.65
INV IN 94.21'

TG 100.35'
95.15' INV IN
93.15' INV OUT

3+84.65
INV IN 94.60'

TG 100.38'
95.18' INV IN
93.18' INV OUT

4+35.65
INV IN 94.85'

(P) LIMITS OF WORK

(E) BASEBALL FIELDS
(TO REMAIN)

(P) PHASING LIMITS

(P) GYMNASIUM

(P) MULTIUSE BUILDING

PHASE 1

PHASE 2

TO REMAIN
OUT OF SCOPE

LEGEND

(E) = EXISTING
(P) = PROPOSED

- SS — (E) SANITARY SEWER
- G — (E) GAS
- UE — (E) ELECTRICAL
- W — (E) WATER
- OE — (E) OVERHEAD ELECTRICAL
- SD — (E) STORM DRAIN
- UT — (E) UNDERGROUND TELECOM
- UTV — (E) UNDERGROUND TELEVISION
- SS — (P) SANITARY SEWER
- G — (P) GAS
- W — (P) WATER
- SD — (P) STORM DRAIN
- PUD — (P) PVC UNDERDRAIN

- (E) LIGHT POLE
- (E) ELECTRICAL PULLBOX
- (E) UNKNOWN PULLBOX
- (E) WATER VALVE
- (E) TV/CABLE PULLBOX
- (E) TELECOM MANHOLE
- (E) TELECOM PULLBOX
- (E) SEWER CLEAN OUT
- (E) IRRIGATION CONTROL BOX
- (E) WATER METER
- (E) STORM DRAIN INLET
- (E) SEWER MANHOLE
- (E) GAS VALVE
- (E) POWER POLE
- (E) DRINKING FOUNTAIN
- (P) LIGHT
- (P) DRINKING FOUNTAIN
- CO (P) SEWER CLEANOUT
- GV (P) GAS VALVE
- (P) STORM DRAIN CATCH BASIN INLET
- (P) STORM DRAIN MANHOLE
- WM (P) WATER METER
- BFP (P) BACKFLOW PREVENTER
- GM (P) GAS METER
- GV (P) GATE VALVE
- WV (P) WATER VALVE
- PIV (P) POST INDICATOR VALVE

CONSTRUCTION NOTES

100. 6" DIA. HDPE STORM DRAIN PIPE
102. 10" DIA. HDPE STORM DRAIN PIPE
112. BIOFILTRATION PLANTER PER DETAIL 9, SHEET C-504
113. PRECAST GRATED CATCH BASIN WITH ATRIUM GRATE INNER OPENING DIM. PER PLAN
114. 6" DIA. PERFORATED PVC UNDERDRAIN PIPE
117. UNDERDRAIN CLEANOUT PER DETAIL 1, SHEET C-504
146. WATER VALVE
148. WATER LINE

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BUREAU OF ENGINEERING
OFFICIAL RECORD

5

0 10 40
SCALE: 20

PLANS PREPARED BY:
TETRA TECH, INC.
3475 E. Foothill Blvd.
Pasadena, CA 91107
Phone: (626) 351-4664 Fax: (626) 351-5291

BID SUBMITTAL - DATED DEC. 15, 2016

CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS

BUREAU OF ENGINEERING
CITY OF LOS ANGELES

BUILDING NO. XX/XX

INDEX NO. - RP 300094

NO.	REVISIONS:	DATE:	BY:

REGISTERED PROFESSIONAL ENGINEER
No. 67032
CIVIL
STATE OF CALIFORNIA

GARY LEE MOORE, PE, ENV SP CITY ENGINEER
ARCHITECTURAL DIVISION LIC. NO. 67032 DATE:
ENGINEER: JOSEPH E. DIETZ
DESIGNED BY:
DRAWN BY:
CHECKED BY:
APPROVED BY:

VERTICAL CONTROL:
HORIZONTAL CONTROL:
SHEET TITLE: UTILITY PLAN
PROJECT: RANCHO CIENEGA SPORTS COMPLEX
ADDRESS: 5001 RODEO ROAD LOS ANGELES, CA 90016

WORK ORDER NO. E1907694
PLAN FILE NO.
DRAWING NO. C-105
SHEET OF SHEETS

PLOTTED: 12/13/2016 4:46 PM

REVISION DATES: (DESIGN STAGE ONLY)

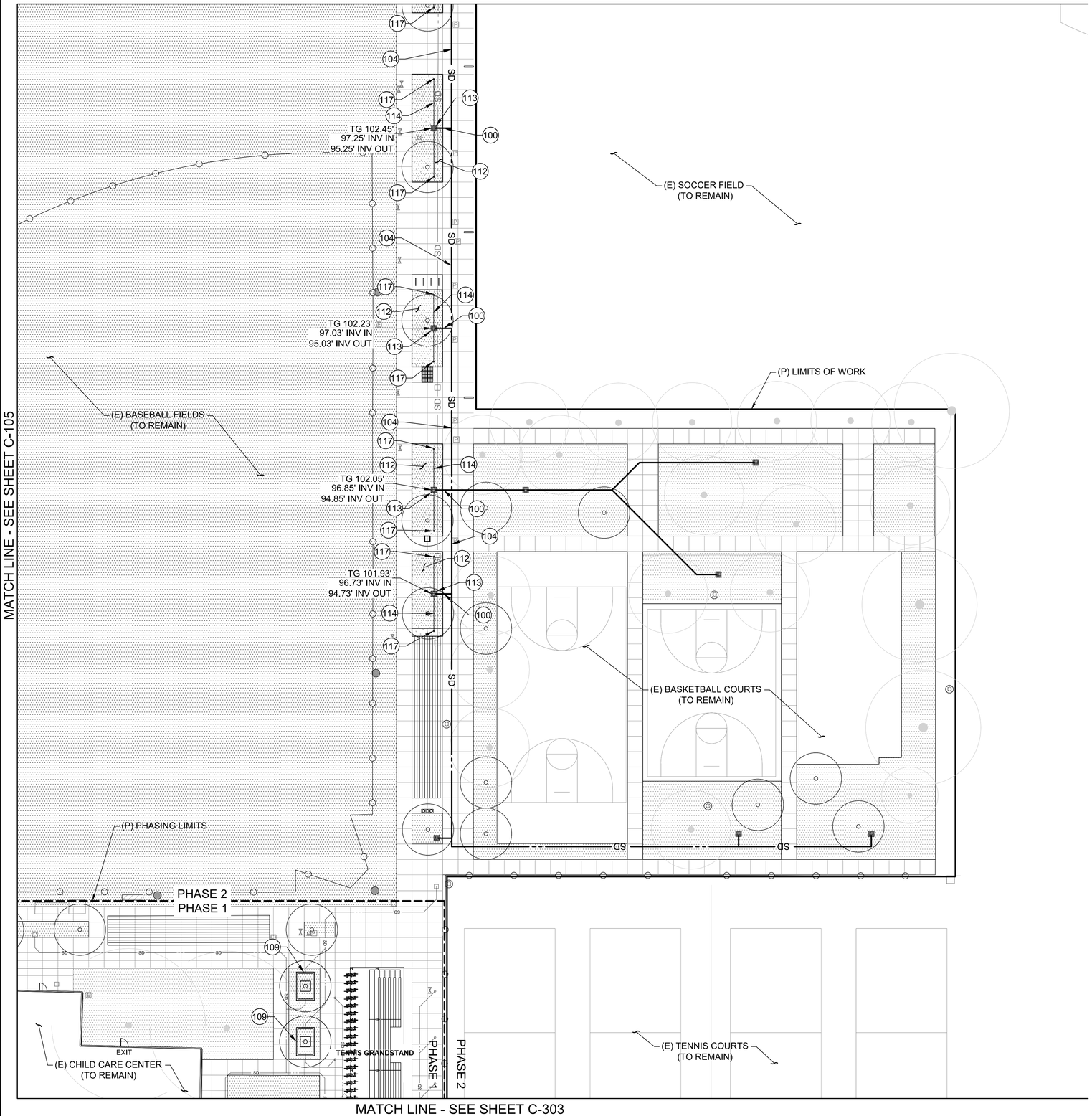
TEMPLATE SHEET REVISION DATE: 08/2014
REVISION DATE: 12/10/2016 11:52 AM FILE: P-8584213\8-8584\2-1502\CAD\SHEETFILES\C-305_UTILITYPLAN.DWG

THE CITY OF LOS ANGELES OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF ELECTRONIC COPIES OF THIS PLAN SHEET.

MATCH LINE - SEE SHEET C-309

MATCH LINE - SEE SHEET C-105

MATCH LINE - SEE SHEET C-303



LEGEND

(E) = EXISTING
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- SS — (E) SANITARY SEWER
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- SD — (P) STORM DRAIN
- PUD — (P) PVC UNDERDRAIN

- (E) LIGHT POLE
- (E) ELECTRICAL PULLBOX
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- (E) WATER VALVE
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- (E) TELECOM MANHOLE
- (E) TELECOM PULLBOX
- (E) SEWER CLEAN OUT
- (E) IRRIGATION CONTROL BOX
- (E) WATER METER
- (E) STORM DRAIN INLET
- (E) SEWER MANHOLE
- (E) GAS VALVE
- (E) POWER POLE
- (E) DRINKING FOUNTAIN
- (P) LIGHT
- (P) DRINKING FOUNTAIN
- (P) SEWER CLEANOUT
- (P) GAS VALVE
- (P) STORM DRAIN CATCH BASIN INLET
- (P) STORM DRAIN MANHOLE
- (P) WATER METER
- (P) BACKFLOW PREVENTER
- (P) GAS METER
- (P) GATE VALVE
- (P) WATER VALVE
- (P) POST INDICATOR VALVE

CONSTRUCTION NOTES

100. 6" DIA. HDPE STORM DRAIN PIPE
104. 18" DIA. HDPE STORM DRAIN PIPE
112. BIOFILTRATION PLANTER PER DETAIL 9, SHEET C-504
113. PRECAST GRATED CATCH BASIN WITH ATRIUM GRATE INNER OPENING DIM. PER PLAN
114. 6" DIA. PERFORATED PVC UNDERDRAIN PIPE
117. UNDERDRAIN CLEANOUT PER DETAIL 1, SHEET C-504

GENERAL NOTES

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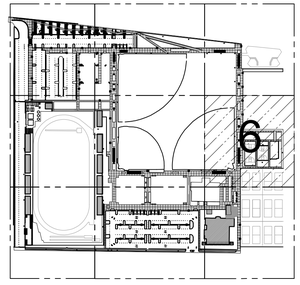


0 10 20 40
SCALE: 20

BUREAU OF ENGINEERING
OFFICIAL RECORD

PLANS PREPARED BY:
TETRA TECH, INC.
3475 E. Foothill Blvd.
Pasadena, CA 91107
Phone: (626) 351-4664 Fax: (626) 351-5291

BID SUBMITTAL - DATED DEC. 15, 2016

CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS BUREAU OF ENGINEERING

ENGINEERING
CITY OF LOS ANGELES

NO.	REVISIONS:	DATE:	BY:
1			
2			
3			
4			
5			

BUILDING NO.
XX/XX

RP 300094
INDEX NO. -

REGISTERED PROFESSIONAL ENGINEER
JOSEPH E. DIETZ
No. 67032
EXP: 6-30-18
CIVIL
STATE OF CALIFORNIA

GARY LEE MOORE, PE, ENV SP CITY ENGINEER
ARCHITECTURAL DIVISION
ENGINEER: JOSEPH E. DIETZ LIC. NO. 67032
DESIGNED BY: JS
DRAWN BY: JS
CHECKED BY: JD
APPROVED BY:
DATE:

VERTICAL CONTROL:
HORIZONTAL CONTROL:
SHEET TITLE: UTILITY PLAN
PROJECT: RANCHO CIENEGA SPORTS COMPLEX
ADDRESS: 5001 RODEO ROAD
LOS ANGELES, CA 90016

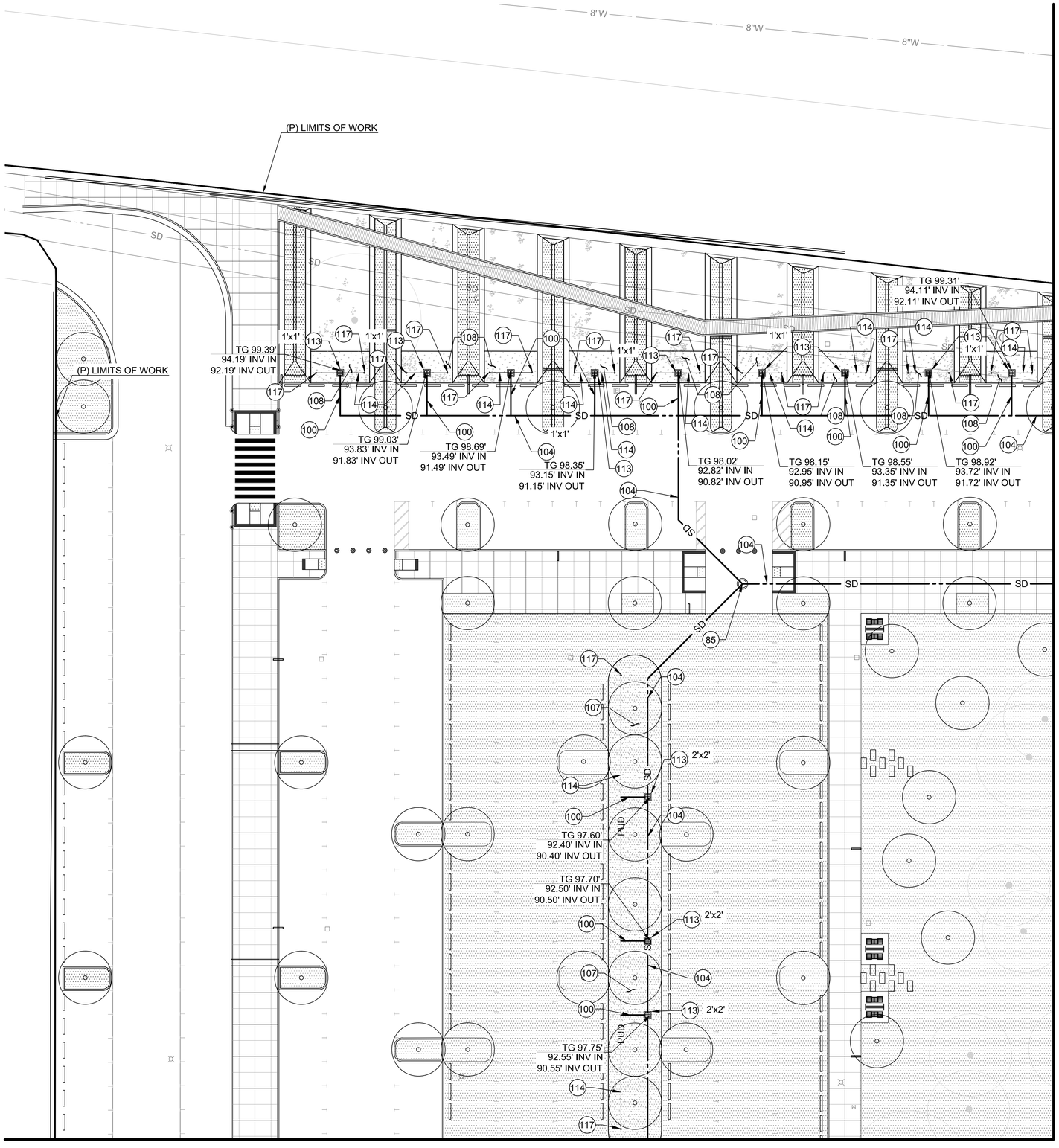
WORK ORDER NO.
E1907694
PLAN FILE NO.
DRAWING NO.
C-306
SHEET OF SHEETS

PLOTTED: 12/13/2016 4:49 PM

REVISION DATES:
(REVISION STAGE ONLY)

TEMPLATE SHEET REVISION DATE: 08/2014
REVISION DATE: 12/10/2016 11:59 AM
FILE: P:\88\42135-88\42-15\002\CAD\SHEETFILES\C-306_UTILITYPLAN.DWG

THE CITY OF LOS ANGELES OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF ELECTRONIC COPIES OF THIS PLAN SHEET.



MATCH LINE - SEE SHEET C-308

LEGEND

(E) = EXISTING
(P) = PROPOSED

- SS — (E) SANITARY SEWER
- G — (E) GAS
- UE — (E) ELECTRICAL
- W — (E) WATER
- OE — (E) OVERHEAD ELECTRICAL
- SD — (E) STORM DRAIN
- UT — (E) UNDERGROUND TELECOM
- UTV — (E) UNDERGROUND TELEVISION
- SS — (P) SANITARY SEWER
- G — (P) GAS
- W — (P) WATER
- SD — (P) STORM DRAIN
- PUD — (P) PVC UNDERDRAIN

- (E) LIGHT POLE
- (E) ELECTRICAL PULLBOX
- (E) UNKNOWN PULLBOX
- (E) WATER VALVE
- (E) TV/CABLE PULLBOX
- (E) TELECOM MANHOLE
- (E) TELECOM PULLBOX
- (E) SEWER CLEAN OUT
- (E) IRRIGATION CONTROL BOX
- (E) WATER METER
- (E) STORM DRAIN INLET
- (E) SEWER MANHOLE
- (E) GAS VALVE
- (E) POWER POLE
- (E) DRINKING FOUNTAIN
- (P) LIGHT
- (P) DRINKING FOUNTAIN
- (P) SEWER CLEANOUT
- (P) GAS VALVE
- (P) STORM DRAIN CATCH BASIN INLET
- (P) STORM DRAIN MANHOLE
- (P) WATER METER
- (P) BACKFLOW PREVENTER
- (P) GAS METER
- (P) GATE VALVE
- (P) WATER VALVE
- (P) POST INDICATOR VALVE

CONSTRUCTION NOTES

85. STORM DRAIN MANHOLE PER STD. S-381-0
100. 6" DIA. HDPE STORM DRAIN PIPE
104. 18" DIA. HDPE STORM DRAIN PIPE
107. BIOFILTRATION BASIN TYPE 1 PER DETAIL 7, SHEET C-504
108. BIOFILTRATION BASIN TYPE 2 PER DETAIL 8, SHEET C-504
113. PRECAST GRATED CATCH BASIN WITH ATRIUM GRATE INNER OPENING DIM. PER PLAN
114. 6" DIA. PERFORATED PVC UNDERDRAIN PIPE
117. UNDERDRAIN CLEANOUT PER DETAIL 1, SHEET C-504

GENERAL NOTES

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2. ALL DIMENSIONS ARE TO FACE OF FINISH UNLESS OTHERWISE NOTED.
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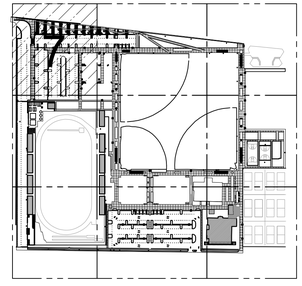

SCALE: 20

BUREAU OF ENGINEERING
OFFICIAL RECORD

PLANS PREPARED BY:
TETRA TECH, INC.
3475 E. Foothill Blvd.
Pasadena, CA 91107
Phone: (626) 351-4664 Fax: (626) 351-5291

BID SUBMITTAL - DATED DEC. 15, 2016

CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS
BUREAU OF ENGINEERING

ENGINEERING
CITY OF LOS ANGELES

BUILDING NO. XX/XX
INDEX NO. -
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NO. | REVISIONS: | DATE: | BY:

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CIVIL
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DATE:
LIC. NO. 67032
ARCHITECTURAL DIVISION
ENGINEER: JOSEPH E. DIETZ
DESIGNED BY: JS
DRAWN BY: JS
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APPROVED BY:

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HORIZONTAL CONTROL:
SHEET TITLE: UTILITY PLAN
PROJECT: RANCHO CIENEGA SPORTS COMPLEX
ADDRESS: 5001 RODEO ROAD
LOS ANGELES, CA 90016

WORK ORDER NO. E1907694
PLAN FILE NO.
DRAWING NO. C-307
SHEET OF SHEETS

PLOTTED: 12/13/2016 4:53 PM

REVISION DATES
(RESIDENT STAFF USE ONLY)

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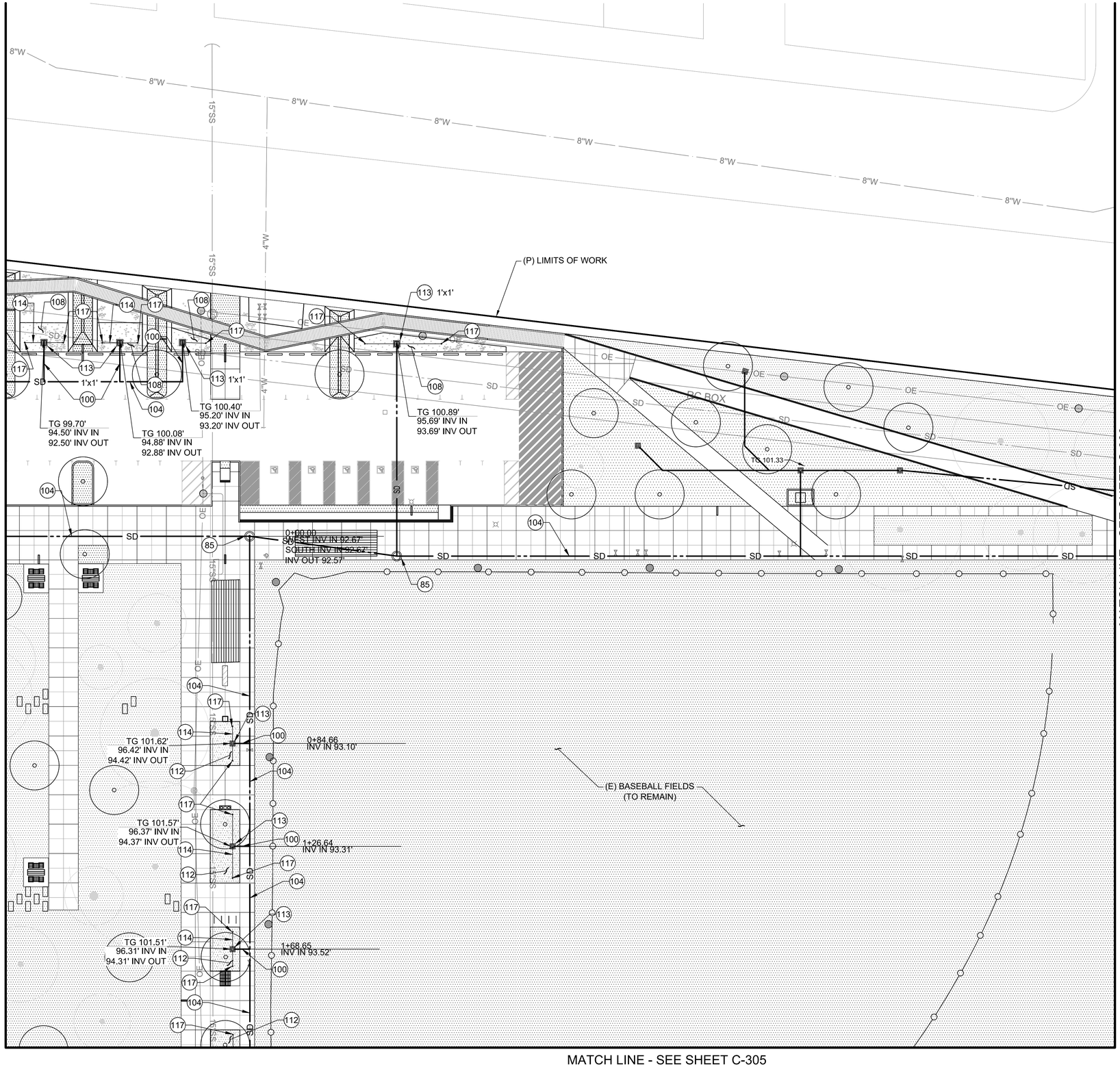
TEMPLATE SHEET REVISION DATE: 08/2014
REVISION DATE: 12/9/2016 4:39 PM FILE: P-8594[2135-8594]2-15002\CAD\SHEETFILES\C-307_UTILITYPLAN.DWG



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- (E) GAS
- (E) ELECTRICAL
- (E) WATER
- (E) OVERHEAD ELECTRICAL
- (E) STORM DRAIN
- (E) UNDERGROUND TELECOM
- (E) UNDERGROUND TELEVISION
- (P) SANITARY SEWER
- (P) GAS
- (P) WATER
- (P) STORM DRAIN
- (P) PVC UNDERDRAIN

- (E) LIGHT POLE
- (E) ELECTRICAL PULLBOX
- (E) UNKNOWN PULLBOX
- (E) WATER VALVE
- (E) TV/CABLE PULLBOX
- (E) TELECOM MANHOLE
- (E) TELECOM PULLBOX
- (E) SEWER CLEAN OUT
- (E) IRRIGATION CONTROL BOX
- (E) WATER METER
- (E) STORM DRAIN INLET
- (E) SEWER MANHOLE
- (E) GAS VALVE
- (E) POWER POLE
- (E) DRINKING FOUNTAIN
- (P) LIGHT
- (P) DRINKING FOUNTAIN
- (P) SEWER CLEANOUT
- (P) GAS VALVE
- (P) STORM DRAIN CATCH BASIN INLET
- (P) STORM DRAIN MANHOLE
- (P) WATER METER
- (P) BACKFLOW PREVENTER
- (P) GAS METER
- (P) GATE VALVE
- (P) WATER VALVE
- (P) POST INDICATOR VALVE

CONSTRUCTION NOTES

85. STORM DRAIN MANHOLE PER STD. S-381-0
100. 6" DIA. HDPE STORM DRAIN PIPE
104. 18" DIA. HDPE STORM DRAIN PIPE
108. BIOFILTRATION BASIN TYPE 2 PER DETAIL 8, SHEET C-504
112. BIOFILTRATION PLANTER PER DETAIL 9, SHEET C-504
113. PRECAST GRATED CATCH BASIN WITH ATRIUM GRATE INNER OPENING DIM. PER PLAN
114. 6" DIA. PERFORATED PVC UNDERDRAIN PIPE
117. UNDERDRAIN CLEANOUT PER DETAIL 1, SHEET C-504

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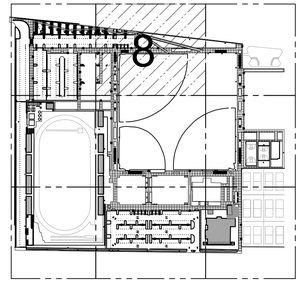

0 10 20 40
SCALE: 20

PLANS PREPARED BY:
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DEPARTMENT OF PUBLIC WORKS
CITY OF LOS ANGELES

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CITY OF LOS ANGELES

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JOSEPH E. DIETZ
No. 67032
EXP. 6-30-18
CIVIL
STATE OF CALIFORNIA

GARY LEE MOORE, PE, ENV SP CITY ENGINEER
LIC. NO. 67032
DATE:

ARCHITECTURAL DIVISION
ENGINEER: JOSEPH E. DIETZ
DESIGNED BY: JS
DRAWN BY: JS
CHECKED BY: JD
APPROVED BY:

VERTICAL CONTROL:
HORIZONTAL CONTROL:

SHEET TITLE: UTILITY PLAN

PROJECT: RANCHO CIENEGA SPORTS COMPLEX

ADDRESS: 5001 RODEO ROAD
LOS ANGELES, CA 90016

WORK ORDER NO.
E1907694
PLAN FILE NO.

DRAWING NO.
C-308
SHEET OF SHEETS

PLOTTED: 12/13/2016 4:56 PM

REVISION DATES
(REVISION STAGE ONLY)

TEMPLATE SHEET REVISION DATE: 08/2014
REVISION DATE: 12/9/2016 4:38 PM
FILE: P-85842\135-85842-15002\CAD\SHEETFILES\C-308_UTILITYPLAN.DWG

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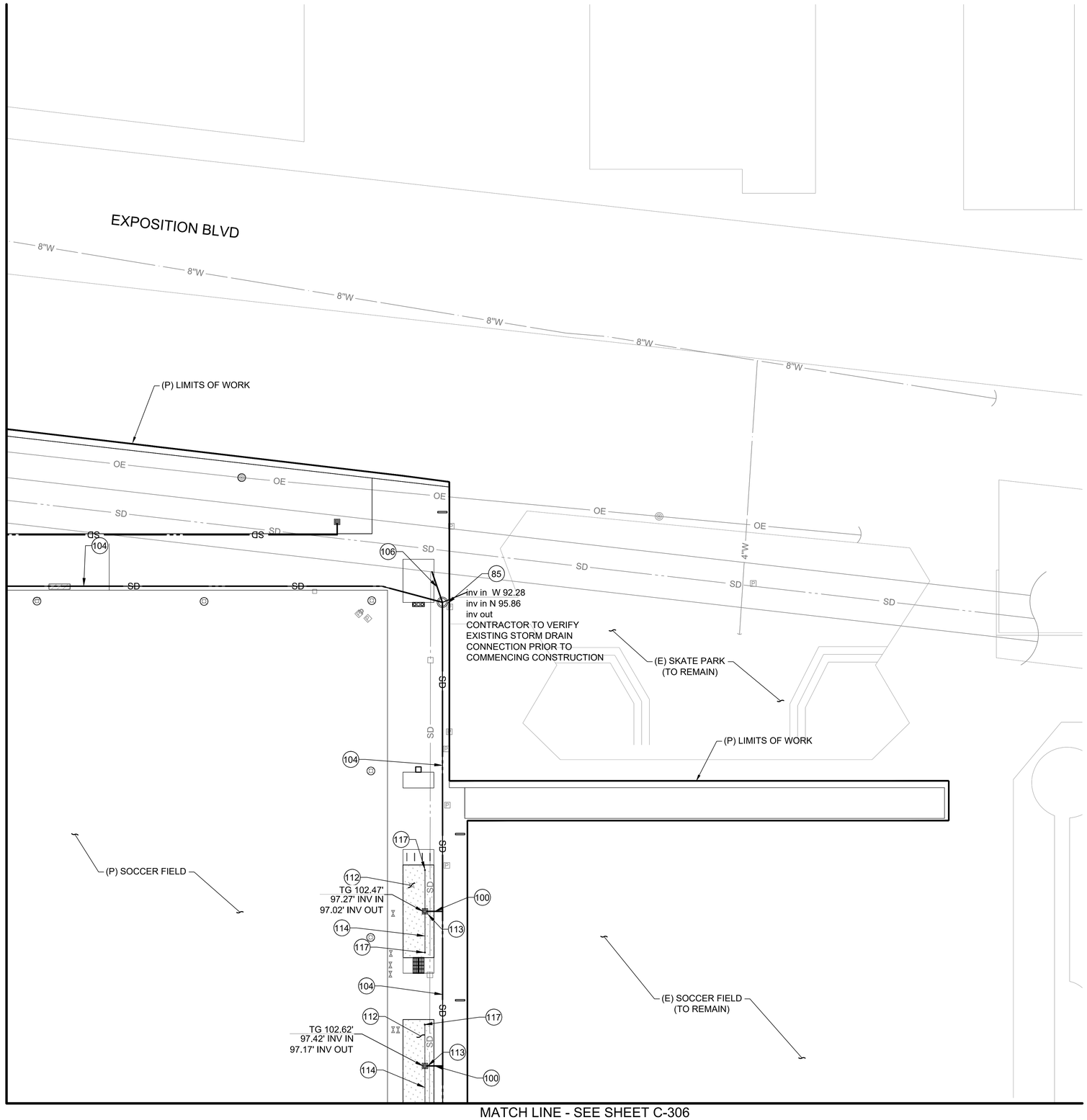

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- UTV — (E) UNDERGROUND TELEVISION
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- (E) IRRIGATION CONTROL BOX
- (E) WATER METER
- (E) STORM DRAIN INLET
- (E) SEWER MANHOLE
- (E) GAS VALVE
- (E) POWER POLE
- (E) DRINKING FOUNTAIN
- (P) LIGHT
- (P) DRINKING FOUNTAIN
- CO (P) SEWER CLEANOUT
- GV (P) GAS VALVE
- (P) STORM DRAIN CATCH BASIN INLET
- (P) STORM DRAIN MANHOLE
- WM (P) WATER METER
- BFP (P) BACKFLOW PREVENTER
- GM (P) GAS METER
- GV (P) GATE VALVE
- WV (P) WATER VALVE
- PIV (P) POST INDICATOR VALVE

CONSTRUCTION NOTES

85. STORM DRAIN MANHOLE PER STD. S-381-0
100. 6" DIA. HDPE STORM DRAIN PIPE
104. 18" DIA. HDPE STORM DRAIN PIPE
106. CONNECT TO EXISTING STORM LINE PER SPPWC STD. 335-2
112. BIOFILTRATION PLANTER PER DETAIL 9, SHEET C-504
113. PRECAST GRATED CATCH BASIN WITH ATRIUM GRATE INNER OPENING DIM. PER PLAN
114. 6" DIA. PERFORATED PVC UNDERDRAIN PIPE

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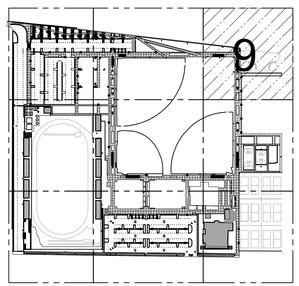

SCALE: 20

PLANS PREPARED BY:
TETRA TECH, INC.
3475 E. Foothill Blvd.
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Phone: (626) 351-4664 Fax: (626) 351-5291

BID SUBMITTAL - DATED DEC. 15, 2016

CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS
BUREAU OF ENGINEERING
ENGINEERING
CITY OF LOS ANGELES

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BUILDING NO. XX/XX
RP 300094
INDEX NO. -

REGISTERED PROFESSIONAL ENGINEER
JOSEPH E. DIETZ
No. 67032
EXP: 6-30-18
STATE OF CALIFORNIA

GARY LEE MOORE, PE, ENV SP CITY ENGINEER
DATE:
ARCHITECTURAL DIVISION
LIC. NO. 67032
ENGINEER: JOSEPH E. DIETZ
DESIGNED BY: JS
DRAWN BY: JS
CHECKED BY: JD
APPROVED BY:

VERTICAL CONTROL:
HORIZONTAL CONTROL:
SHEET TITLE: UTILITY PLAN
PROJECT: RANCHO CIENEGA SPORTS COMPLEX
ADDRESS: 5001 RODEO ROAD LOS ANGELES, CA 90016

BUREAU OF ENGINEERING OFFICIAL RECORD

WORK ORDER NO. E1907694
PLAN FILE NO.
DRAWING NO. C-309
SHEET OF SHEETS

PLOTTED: 12/13/2016 5:00 PM

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REVISION DATES (DESIGN STAGES ONLY)

TEMPLATE SHEET REVISION DATE: 08/2014
REVISION DATE: 12/13/2016 1:52 PM
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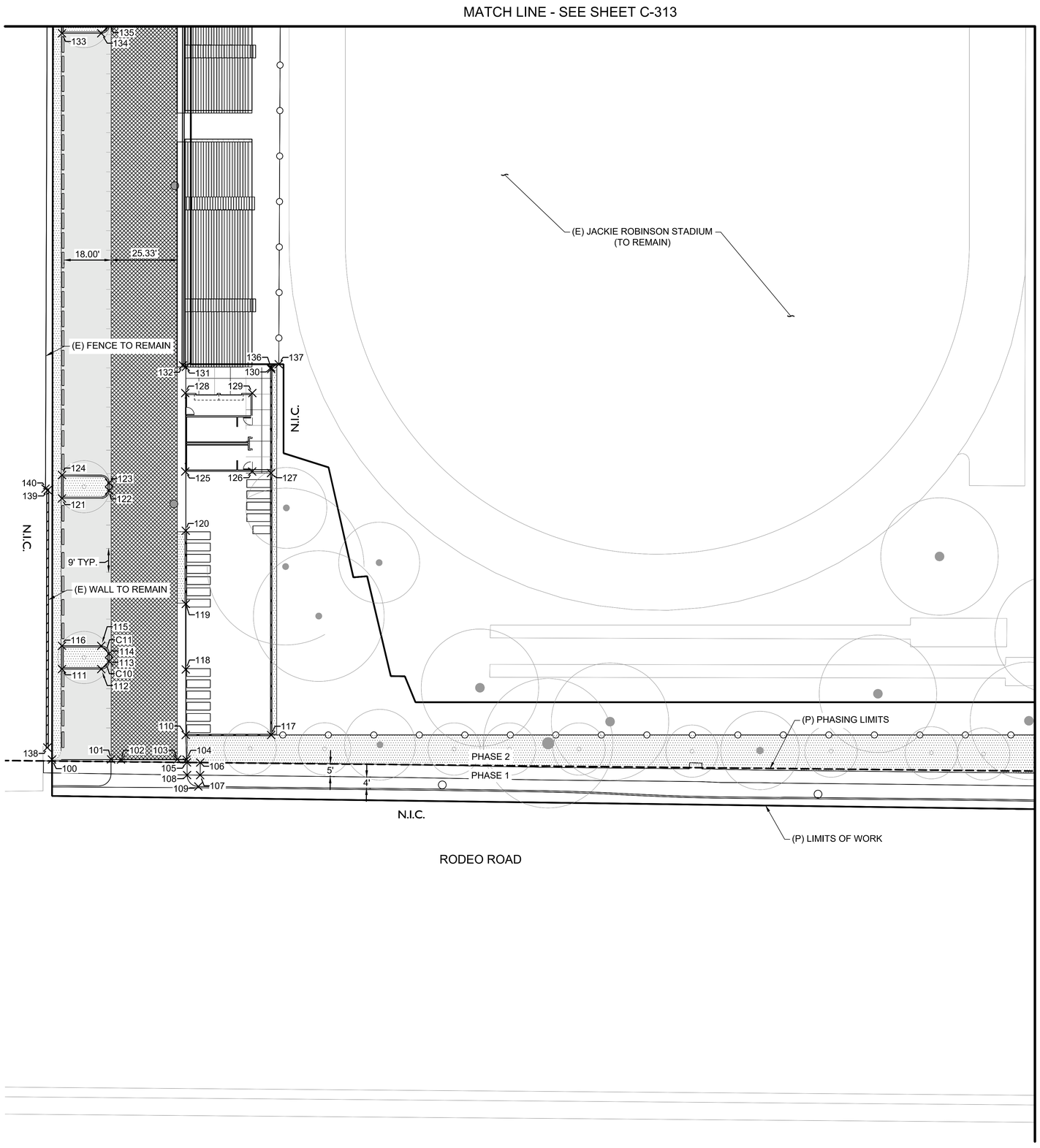


LEGEND

(E) = EXISTING

(P) = PROPOSED

- PROPOSED AC PAVEMENT
- PROPOSED COLORED AC PAVEMENT
- PROPOSED LANDSCAPE AREA
- PROPOSED SIDEWALK

NOTES

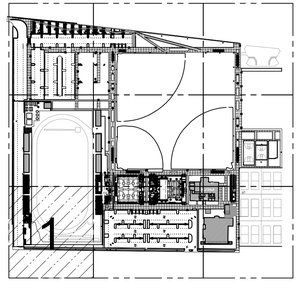
1. DIMENSIONS ARE FROM FACE OF CURB
2. FOR POINT DATA TABLE, SEE SHEETS C-319, C-320, AND C-321.
3. FOR CURVE DATA TABLE, SEE SHEET C-321
4. HORIZONTAL CONTROL FOR PROPOSED POTABLE WATER, SANITARY SEWER, STORM DRAIN, AND GAS IMPROVEMENTS ARE PER UTILITY PLANS
5. SITE FURNISHINGS ARE PER LANDSCAPE PLANS

HORIZONTAL AND VERTICAL CONTROL

BASIS OF BEARINGS:
NAD '83 COORDINATES ON FD L&T AT RIMPAU BLVD. AND EXPOSITION BLVD. AND FD L&T AT VINELAND AVE. AND EXPOSITION BLVD. (PER FB 40580-15)

BENCHMARK:
CITY OF LOS ANGELES BM 13-02050
WIRE SPIKE 3.5FT N OF N CURB JEFFERSON BLVD□5FT E OF HARCOURT AVE N W COR C B
DATUM = NGVD 1929
ADJ. = 1985
ELEVATION (FT): 98.117

CITY OF LOS ANGELES BM 13-00630
WIRE SPK IN W CURB RODEO LANE□5FT S OF BC CURB RET S OF SERVICE ROAD S OF & PARALLEL TO RODEO ROAD
DATUM = NGVD 1929
ADJ. = 1985
ELEVATION (FT): 102.654



SCALE: 20

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OFFICIAL RECORD

PLANS PREPARED BY:
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3475 E. Foothill Blvd.
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CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS

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INDEX NO. - RP 300094

GARY LEE MOORE, PE, ENV SP CITY ENGINEER
LIC. NO. 67032 DATE:

ARCHITECTURAL DIVISION
ENGINEER: JOSEPH E. DIETZ
DESIGNED BY: JS
DRAWN BY: JS
CHECKED BY: JD
APPROVED BY:

PROJECT: RANCHO CIENEGA SPORTS COMPLEX
ADDRESS: 5001 RODEO ROAD LOS ANGELES, CA 90016

SHEET TITLE: HORIZONTAL CONTROL PLAN

VERTICAL CONTROL:
HORIZONTAL CONTROL:

WORK ORDER NO. E1907694
PLAN FILE NO.
DRAWING NO. C-310
SHEET OF SHEETS

REVISION DATES (DESIGN STAGE ONLY)

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TEMPLATE SHEET REVISION DATE: 08/2014
REVISION DATE: 12/7/2016 6:19 PM FILE: \\WRS3185FS1\PROJECTS\85842135-85842-15002\CAD\SHEETFILES\C-310_HORIZ CONTROL PLAN.DWG

PLOTTED: 12/13/2016 4:49 PM

MATCH LINE - SEE SHEET C-314

MATCH LINE - SEE SHEET C-310

MATCH LINE - SEE SHEET C-312

(P) LIMITS OF WORK

15.24'

(P) GYMNASIUM

(P) INDOOR POOL

8' 12' 8'

PHASE 2

PHASE 1

(P) PHASING LIMITS

29.00'

25.34'

25.34'

25.34'

26.31'

9'

9' TYP.

6" TYP.

26.00'

6'

18.00'

28.43'

6'

1' GUTTER TYP.

24.83'

27.72'

20.62'

18.15'

20.08'

5'

6'

N.I.C.

RODEO ROAD

LEGEND

(E) = EXISTING

(P) = PROPOSED

PROPOSED AC PAVEMENT

PROPOSED COLORED AC PAVEMENT

PROPOSED LANDSCAPE AREA

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DATUM = NGVD 1929
ADJ. = 1985
ELEVATION (FT): 98.117

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ADJ. = 1985
ELEVATION (FT): 102.654

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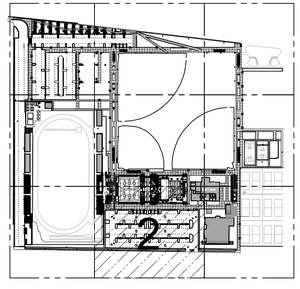

0 10 20 40
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PLANS PREPARED BY:

CITY OF LOS ANGELES
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BUREAU OF ENGINEERING

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HORIZONTAL CONTROL:

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PLOTTED: 12/13/2016 4:49 PM

REVISION DATES (DESIGN STAGE ONLY)

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REVISION DATE: 12/7/2016 6:21 PM
FILE: \\WRS316FS1\PROJECTS\85842\135-85842-15002\CAD\SHEETFILES\C-311_HORIZ CONTROL PLAN.DWG

MATCH LINE - SEE SHEET C-315

CHILDCARE CENTER TO REMAIN
NOT IN SCOPE

ENTRY

12' TYP

(E) TENNIS COURTS TO REMAIN
NOT IN SCOPE

308 312 314 315 318 319
309 313 316 317 321 322
310 311 18.00' 320 323 324
307
306
305
304 303

(E) TENNIS COURTS
(TO REMAIN)

N.I.C.

(P) PHASING LIMITS

12' TYP

PHASE 1

PHASE 2

(P) LIMITS OF WORK

302
300 301

PHASE 2
PHASE 1

5'
6'

N.I.C.

MATCH LINE - SEE SHEET C-311

LEGEND

(E) = EXISTING

(P) = PROPOSED

PROPOSED AC PAVEMENT

PROPOSED COLORED AC PAVEMENT

PROPOSED LANDSCAPE AREA

PROPOSED SIDEWALK

NOTES

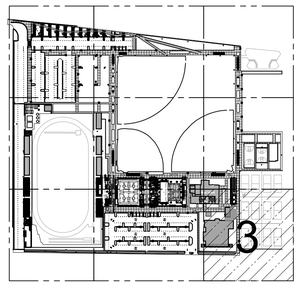
1. DIMENSIONS ARE FROM FACE OF CURB
2. FOR POINT DATA TABLE, SEE SHEETS C-319, C-320, AND C-321.
3. FOR CURVE DATA TABLE, SEE SHEET C-321
4. HORIZONTAL CONTROL FOR PROPOSED POTABLE WATER, SANITARY SEWER, STORM DRAIN, AND GAS IMPROVEMENTS ARE PER UTILITY PLANS
5. SITE FURNISHINGS ARE PER LANDSCAPE PLANS

HORIZONTAL AND VERTICAL CONTROL

BASIS OF BEARINGS:
NAD '83 COORDINATES ON FD L&T AT RIMPAU BLVD. AND EXPOSITION BLVD. AND FD L&T AT VINELAND AVE. AND EXPOSITION BLVD. (PER FB 40580-15)

BENCHMARK:
CITY OF LOS ANGELES BM 13-02050
WIRE SPIKE 3.5FT N OF N CURB JEFFERSON BLVD□5FT E OF HARCOURT AVE N W COR C B
DATUM = NGVD 1929
ADJ. = 1985
ELEVATION (FT): 98.117

CITY OF LOS ANGELES BM 13-00630
WIRE SPK IN W CURB RODEO LANE□5FT S OF BC CURB RET S OF SERVICE ROAD S OF & PARALLEL TO RODEO ROAD
DATUM = NGVD 1929
ADJ. = 1985
ELEVATION (FT): 102.654



BUREAU OF ENGINEERING
OFFICIAL RECORD

0 10 20 40
SCALE: 20

PLANS PREPARED BY:
TETRA TECH, INC.
3475 E. Foothill Blvd.
Pasadena, CA 91107
Phone: (626) 351-4664 Fax: (626) 351-5291

BID SUBMITTAL - DATED DEC. 15, 2016

BUREAU OF ENGINEERING
DEPARTMENT OF PUBLIC WORKS
CITY OF LOS ANGELES

VERTICAL CONTROL:
HORIZONTAL CONTROL:

SHEET TITLE: HORIZONTAL CONTROL PLAN

PROJECT: RANCHO CIENEGA SPORTS COMPLEX

ADDRESS: 5001 RODEO ROAD
LOS ANGELES, CA 90016

WORK ORDER NO.
E1907694

PLAN FILE NO.

DRAWING NO.
C-312

SHEET OF SHEETS

GARY LEE MOORE, PE, ENV SP CITY ENGINEER

CITY ENGINEER
LIC. NO. 67032
DATE:

ENGINEER: JOSEPH E. DIETZ
DESIGNED BY:
DRAWN BY:
CHECKED BY:
APPROVED BY:

REVISIONS: NO. DATE BY

BUILDING NO. XX/XX

INDEX NO. - RP 300094

REGISTERED PROFESSIONAL ENGINEER
JOSEPH E. DIETZ
No. 67032
EXP: 6/30/18
CIVIL
STATE OF CALIFORNIA

ENGINEERING
CITY OF LOS ANGELES

REVISION DATES (DESIGN STAGE ONLY)

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REVISION DATE: 12/7/2016 6:20 PM FILE: \\WRS319FS1\PROJECTS\85842\135-85842-15002\CAD\SHEETFILES\C-312_HORIZ CONTROL PLAN.DWG

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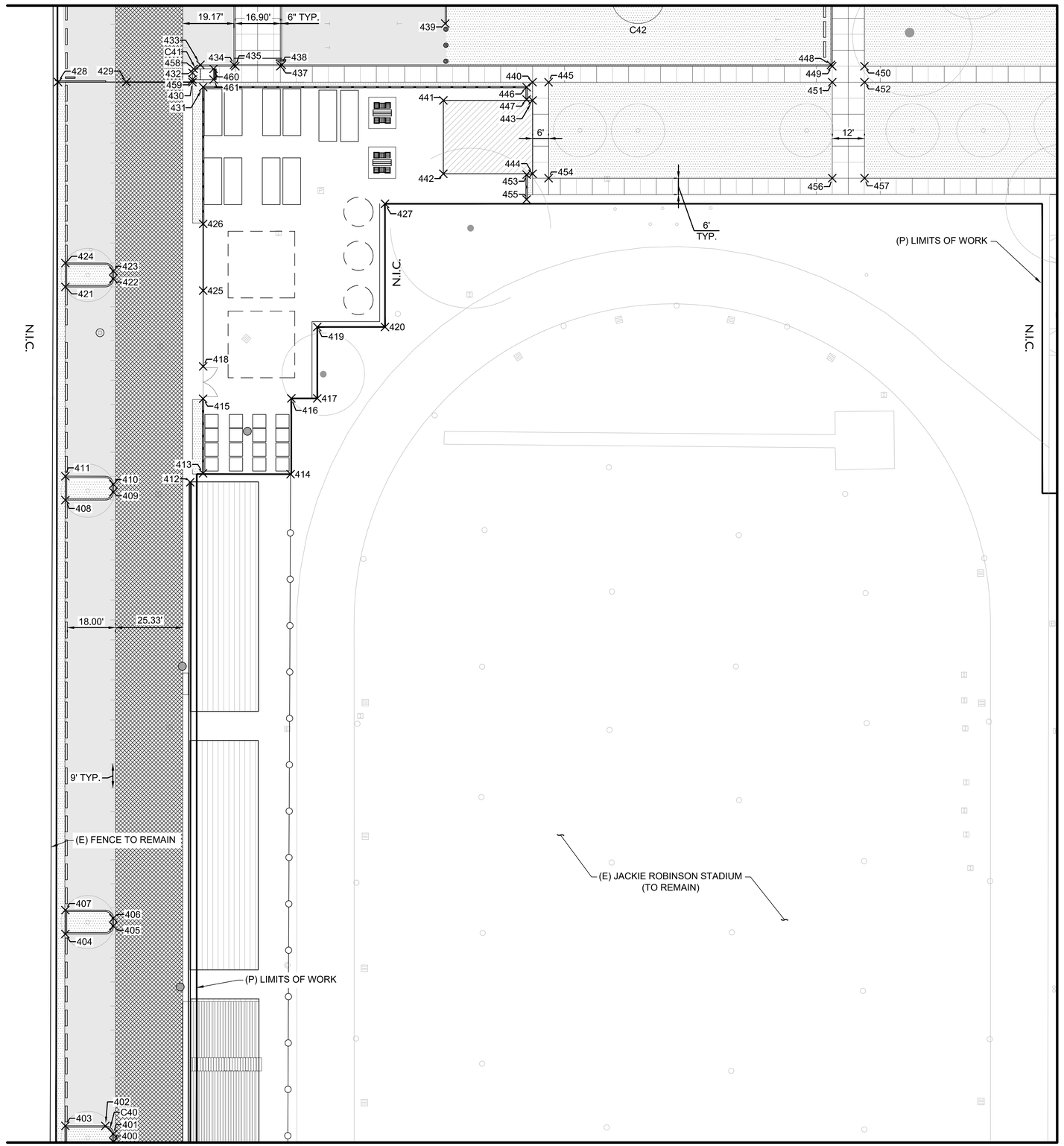

LEGEND

(E) = EXISTING

(P) = PROPOSED

- PROPOSED AC PAVEMENT
- PROPOSED COLORED AC PAVEMENT
- PROPOSED LANDSCAPE AREA
- PROPOSED SIDEWALK

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HORIZONTAL AND VERTICAL CONTROL

BASIS OF BEARINGS:
NAD '83 COORDINATES ON FD L&T AT RIMPAU BLVD. AND EXPOSITION BLVD. AND FD L&T AT VINELAND AVE. AND EXPOSITION BLVD. (PER FB 40580-15)

BENCHMARK:
CITY OF LOS ANGELES BM 13-02050
WIRE SPIKE 3.5FT N OF N CURB JEFFERSON BLVD□5FT E OF HARCOURT AVE N W COR C B
DATUM = NGVD 1929
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CITY OF LOS ANGELES BM 13-00630
WIRE SPK IN W CURB RODEO LANE□5FT S OF BC CURB RET S OF SERVICE ROAD S OF & PARALLEL TO RODEO ROAD
DATUM = NGVD 1929
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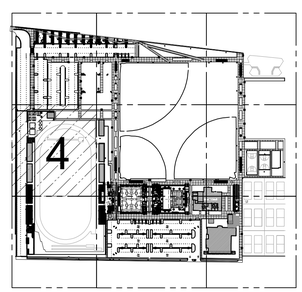

SCALE: 20

BUREAU OF ENGINEERING
OFFICIAL RECORD

PLANS PREPARED BY:
TETRA TECH, INC.
3475 E. Foothill Blvd.
Pasadena, CA 91107
Phone: (626) 351-4664 Fax: (626) 351-5291

BID SUBMITTAL - DATED DEC. 15, 2016

CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS BUREAU OF ENGINEERING

ENGINEERING
CITY OF LOS ANGELES

NO.	REVISIONS:	DATE:	BY:

BUILDING NO. XX/XX

INDEX NO. - RP 300094

PROFESSIONAL ENGINEER
JOSEPH E. DIETZ
No. 67032
REGISTERED
STATE OF CALIFORNIA

GARY LEE MOORE, PE, ENV SP CITY ENGINEER DATE:
ARCHITECTURAL DIVISION LIC. NO. 67032
ENGINEER: JOSEPH E. DIETZ
DESIGNED BY:
DRAWN BY:
CHECKED BY:
APPROVED BY:

VERTICAL CONTROL:
HORIZONTAL CONTROL:

SHEET TITLE: HORIZONTAL CONTROL PLAN
PROJECT: RANCHO CIENEGA SPORTS COMPLEX
ADDRESS: 5001 RODEO ROAD LOS ANGELES, CA 90016

WORK ORDER NO. E1907694
PLAN FILE NO.
DRAWING NO. C-313
SHEET OF SHEETS

PLOTTED: 12/13/2016 4:51 PM

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REVISION DATES (DESIGN STAGE ONLY)

TEMPLATE SHEET REVISION DATE: 08/2014
REVISION DATE: 12/7/2016 6:31 PM FILE: \\WRS318FS1\PROJECTS\85942\135-85942-15002\CAD\SHEETFILES\C-313_HORIZ CONTROL PLAN.DWG

MATCH LINE - SEE SHEET C-317

MATCH LINE - SEE SHEET C-313

MATCH LINE - SEE SHEET C-315

MATCH LINE - SEE SHEET C-311

(P) LIMITS OF WORK

(E) BASEBALL FIELDS
(TO REMAIN)

(P) PHASING LIMITS

PHASE 1

PHASE 2

(P) GYMNASIUM

(P) INDOOR POOL

12' 12' 6'

21.00'

15.00'

7' 12' 7'

LEGEND

(E) = EXISTING

(P) = PROPOSED

PROPOSED AC PAVEMENT

PROPOSED COLORED AC PAVEMENT

PROPOSED LANDSCAPE AREA

PROPOSED SIDEWALK

NOTES

1. DIMENSIONS ARE FROM FACE OF CURB
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HORIZONTAL AND VERTICAL CONTROL

BASIS OF BEARINGS:
NAD '83 COORDINATES ON FD L&T AT RIMPAU BLVD. AND EXPOSITION BLVD. AND FD L&T AT VINELAND AVE. AND EXPOSITION BLVD. (PER FB 40580-15)

BENCHMARK:
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DATUM = NGVD 1929
ADJ. = 1985
ELEVATION (FT): 102.654

BUREAU OF ENGINEERING
OFFICIAL RECORD

SCALE: 20

PLANS PREPARED BY:
TETRA TECH, INC.
3475 E. Foothill Blvd.
Pasadena, CA 91107
Phone: (626) 351-4664 Fax: (626) 351-5291

BID SUBMITTAL - DATED DEC. 15, 2016

CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS BUREAU OF ENGINEERING

ENGINEERING
CITY OF LOS ANGELES

NO.	REVISIONS:	DATE:	BY:

BUILDING NO. XX/XX

INDEX NO. -

RP 300094

JOSEPH E. DIETZ
No. 67032
EXP: 9/30/18
REGISTERED PROFESSIONAL ENGINEER
STATE OF CALIFORNIA

GARY LEE MOORE, PE, ENV SP CITY ENGINEER
LIC. NO. 67032 DATE:
ARCHITECTURAL DIVISION
ENGINEER: JOSEPH E. DIETZ
DESIGNED BY:
DRAWN BY:
CHECKED BY:
APPROVED BY:

VERTICAL CONTROL:
HORIZONTAL CONTROL:

SHEET TITLE: HORIZONTAL CONTROL PLAN

PROJECT: RANCHO CIENEGA SPORTS COMPLEX

ADDRESS: 5001 RODEO ROAD
LOS ANGELES, CA 90016

WORK ORDER NO.
E1907694

PLAN FILE NO.

DRAWING NO.
C-314

SHEET OF SHEETS

PLOTTED: 12/13/2016 4:52 PM

REVISION DATES
(DESIGN STAGE ONLY)

TEMPLATE SHEET REVISION DATE: 08/2014
REVISION DATE: 12/7/2016 6:25 PM FILE: \\WRS318FS1\PROJECTS\85842\135-85842-15002\CAD\SHEETFILES\C-314_HORIZ CONTROL PLAN.DWG

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MATCH LINE - SEE SHEET C-318

MATCH LINE - SEE SHEET C-314

MATCH LINE - SEE SHEET C-312

(E) SOCCER FIELD
(TO REMAIN)

(E) BASEBALL FIELDS
(TO REMAIN)

(P) LIMITS OF WORK

N.I.C.

(E) BASKETBALL COURTS
(TO REMAIN)

(P) PHASING LIMITS

PHASE 1

PHASE 2

(E) CHILD CARE CENTER
(TO REMAIN)

(E) TENNIS COURTS
(TO REMAIN)

6' 12' 12'

12' TYP.

6' TYP.

24.00'

12'

651 680 650 679 649 678 648 677 647 676 646 667 675 668 669 670 671 672 673 674 645 666 663 662 661 660 659 658 644 665 652 653 654 655 656 657 641 642 639 640 643 664 637 638 635 636 630 631 622 623 626 627 620 621 624 625 628 629 632 633 619 634 618 602 603 614 616 615 617 601 604 610 611 612 613 600 681 605 608 609 606 607

LEGEND

(E) = EXISTING

(P) = PROPOSED

PROPOSED AC PAVEMENT

PROPOSED COLORED AC PAVEMENT

PROPOSED LANDSCAPE AREA

PROPOSED SIDEWALK

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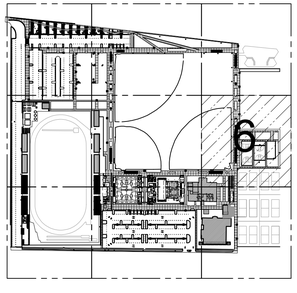

0 10 20 40
SCALE: 20

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OFFICIAL RECORD

PLANS PREPARED BY:
TETRA TECH, INC.
3475 E. Foothill Blvd.
Pasadena, CA 91107
Phone: (626) 351-4664 Fax: (626) 351-5291

BID SUBMITTAL - DATED DEC. 15, 2016

CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS BUREAU OF ENGINEERING

ENGINEERING
CITY OF LOS ANGELES

NO.	REVISIONS:	DATE:	BY:

BUILDING NO. XX/XX

INDEX NO. - RP 300094

REGISTERED PROFESSIONAL ENGINEER JOSEPH E. DIETZ No. 67032 EXP: 6/30/18 STATE OF CALIFORNIA

GARY LEE MOORE, PE, ENV SP CITY ENGINEER DATE:
LIC. NO. 67032
ARCHITECTURAL DIVISION
ENGINEER: JOSEPH E. DIETZ
DESIGNED BY: JS
DRAWN BY: JS
CHECKED BY: JD
APPROVED BY:

SHEET TITLE: HORIZONTAL CONTROL PLAN
PROJECT: RANCHO CIENEGA SPORTS COMPLEX
ADDRESS: 5001 RODEO ROAD LOS ANGELES, CA 90016

VERTICAL CONTROL:
HORIZONTAL CONTROL:

WORK ORDER NO. E1907694
PLAN FILE NO.
DRAWING NO. C-315
SHEET OF SHEETS

PLOTTED: 12/13/2016 4:52 PM

REVISION DATES (DESIGN STAGE ONLY)

TEMPLATE SHEET REVISION DATE: 08/2014
REVISION DATE: 12/7/2016 6:26 PM FILE: \\WRS\1\BFS1\PROJECTS\85842\135-85842-15002\CAD\SHEETFILES\C-315_HORIZ CONTROL PLAN.DWG

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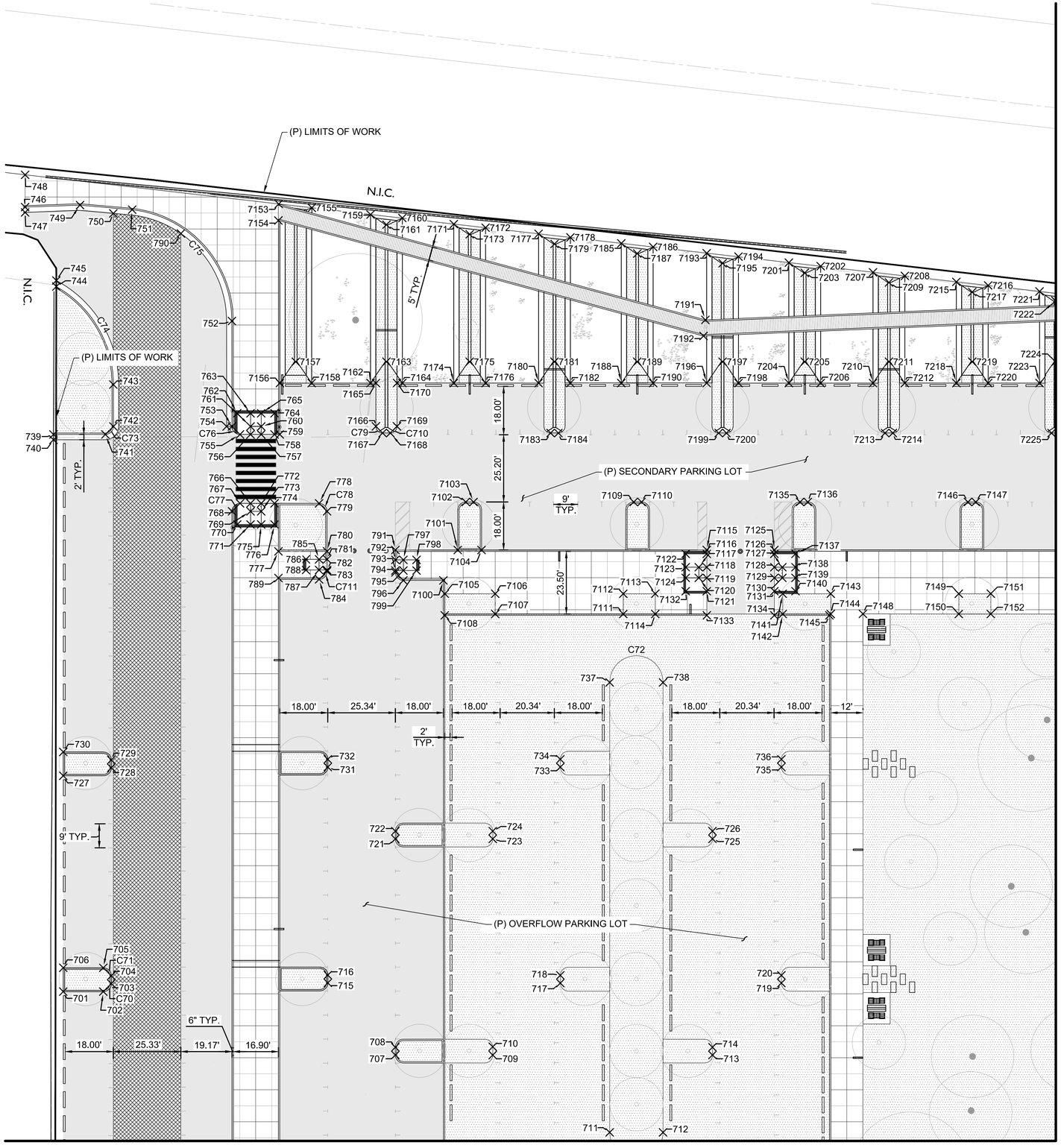

MATCH LINE - SEE SHEET C-317

LEGEND

(E) = EXISTING

(P) = PROPOSED

- PROPOSED AC PAVEMENT
- PROPOSED COLORED AC PAVEMENT
- PROPOSED LANDSCAPE AREA
- PROPOSED SIDEWALK

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ELEVATION (FT): 98.117

CITY OF LOS ANGELES BM 13-00630
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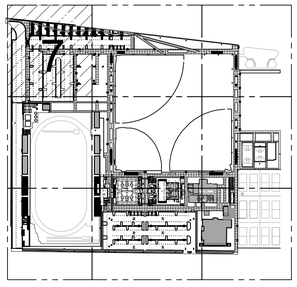

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0 10 20 40
SCALE: 20

PLANS PREPARED BY:
TETRA TECH, INC.
3475 E. Foothill Blvd.
Pasadena, CA 91107
Phone: (626) 351-4664 Fax: (626) 351-5291

BID SUBMITTAL - DATED DEC. 15, 2016

CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS BUREAU OF ENGINEERING

ENGINEERING
CITY OF LOS ANGELES

NO.	REVISIONS:	DATE:	BY:

BUILDING NO. XX/XX

INDEX NO. - RP 300094

PROFESSIONAL ENGINEER JOSEPH E. DIETZ No. 67032 REGISTERED CIVIL ENGINEER STATE OF CALIFORNIA

GARY LEE MOORE, PE, ENV SP CITY ENGINEER
ENGINEER: JOSEPH E. DIETZ LIC. NO. 67032 DATE:
ARCHITECTURAL DIVISION
DESIGNED BY: JS
DRAWN BY: JS
CHECKED BY: JD
APPROVED BY:

VERTICAL CONTROL:
HORIZONTAL CONTROL:

SHEET TITLE: HORIZONTAL CONTROL PLAN

PROJECT: RANCHO CIENEGA SPORTS COMPLEX

ADDRESS: 5001 RODEO ROAD LOS ANGELES, CA 90016

WORK ORDER NO. E1907694
PLAN FILE NO.
DRAWING NO. C-316
SHEET OF SHEETS

PLOTTED: 12/13/2016 5:04 PM

REVISION DATES (DESIGN STAGE ONLY)

TEMPLATE SHEET REVISION DATE: 08/2014
REVISION DATE: 12/7/2016 6:27 PM FILE: \\WRS318FS1\PROJECTS\85842135-85842-15002\CAD\SHEETFILES\C-316_HORIZ CONTROL PLAN.DWG

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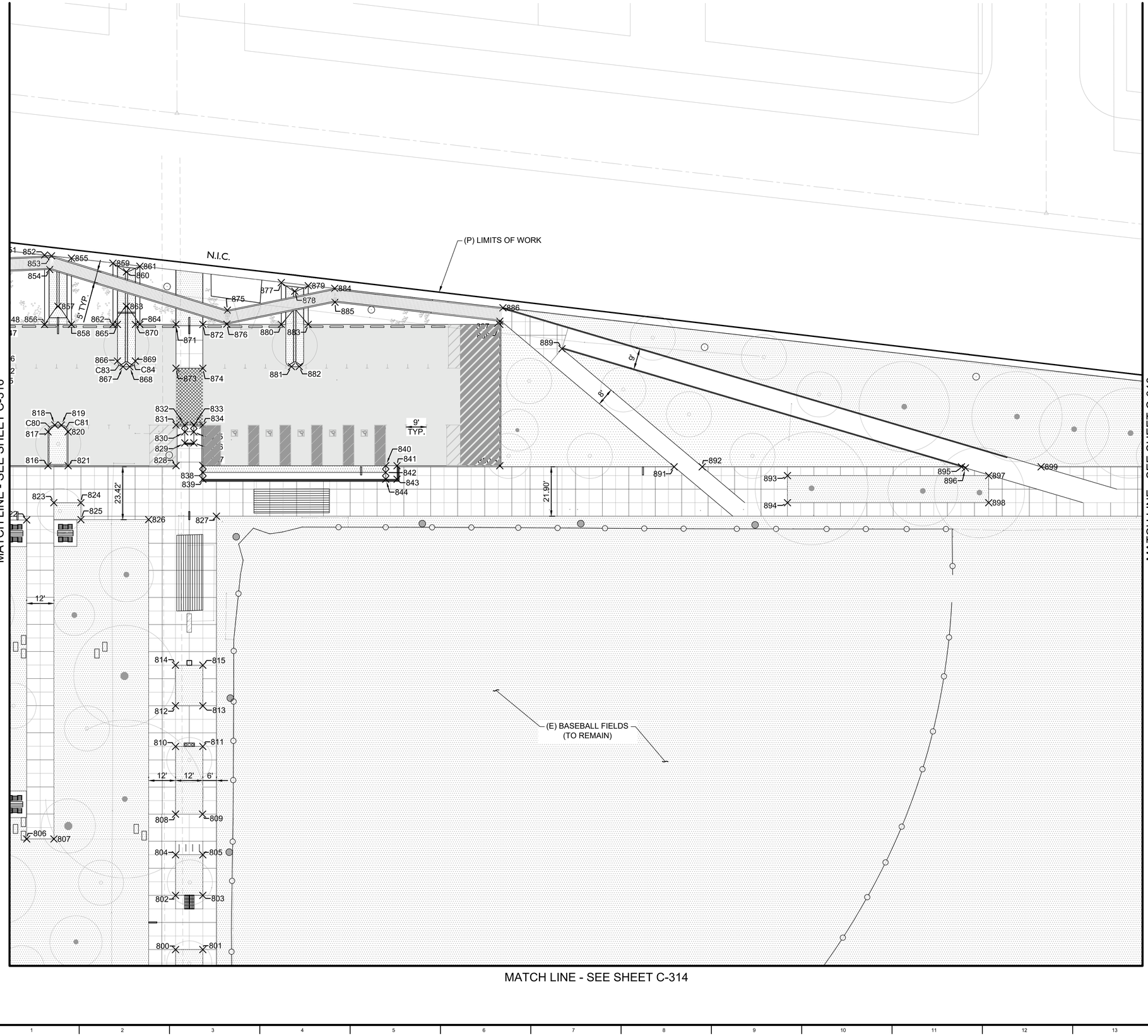

LEGEND

(E) = EXISTING

(P) = PROPOSED

- PROPOSED AC PAVEMENT
- PROPOSED COLORED AC PAVEMENT
- PROPOSED LANDSCAPE AREA
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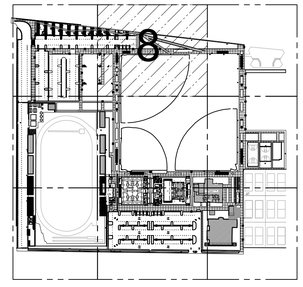

0 10 20 40
SCALE: 20

BUREAU OF ENGINEERING
OFFICIAL RECORD

BID SUBMITTAL - DATED DEC. 15, 2016

CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS BUREAU OF ENGINEERING

ENGINEERING
CITY OF LOS ANGELES

NO.	REVISIONS:	DATE:	BY:

BUILDING NO. XX/XX

INDEX NO. - RP 300094

JOSEPH E. DIETZ No. 67032 REGISTERED PROFESSIONAL ENGINEER STATE OF CALIFORNIA

GARY LEE MOORE, PE, ENV SP CITY ENGINEER
ARCHITECTURAL DIVISION LIC. NO. 67032 DATE:
ENGINEER: JOSEPH E. DIETZ
DESIGNED BY: JS
DRAWN BY: JS
CHECKED BY: JD
APPROVED BY:

VERTICAL CONTROL:
HORIZONTAL CONTROL:

SHEET TITLE: HORIZONTAL CONTROL PLAN
PROJECT: RANCHO CIENEGA SPORTS COMPLEX
ADDRESS: 5001 RODEO ROAD LOS ANGELES, CA 90016

WORK ORDER NO. E1907694
PLAN FILE NO.
DRAWING NO. C-317
SHEET OF SHEETS

PLANS PREPARED BY:
TETRA TECH, INC.
3475 E. Foothill Blvd.
Pasadena, CA 91107
Phone: (626) 351-4664 Fax: (626) 351-5291

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TEMPLATE SHEET REVISION DATE: 08/2014
REVISION DATE: 12/7/2016 8:33 PM FILE: \\WRS318FS1\PROJECTS\85842133-85842-15002\CAD\SHEETFILES\C-317_HORIZ CONTROL PLAN.DWG

PLOTTED: 12/13/2016 5:05 PM

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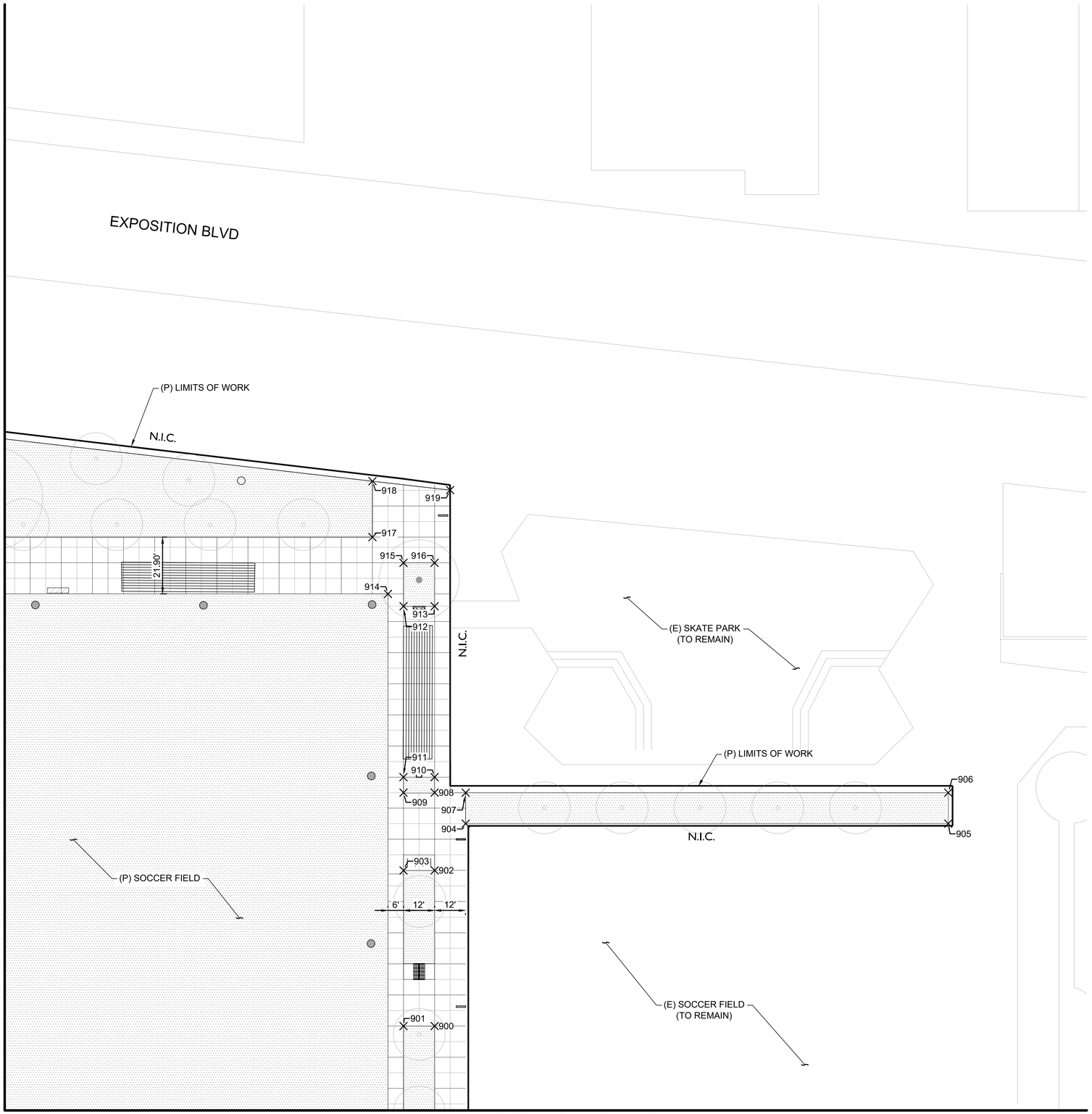


LEGEND

(E) = EXISTING

(P) = PROPOSED

- PROPOSED AC PAVEMENT
- PROPOSED COLORED AC PAVEMENT
- PROPOSED LANDSCAPE AREA
- PROPOSED SIDEWALK

NOTES

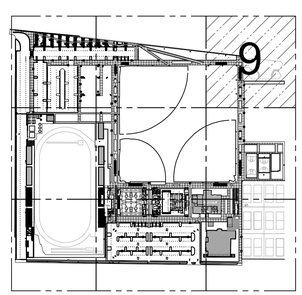
1. DIMENSIONS ARE FROM FACE OF CURB
2. FOR POINT DATA TABLE, SEE SHEETS C-319, C-320, AND C-321.
3. FOR CURVE DATA TABLE, SEE SHEET C-321
4. HORIZONTAL CONTROL FOR PROPOSED POTABLE WATER, SANITARY SEWER, STORM DRAIN, AND GAS IMPROVEMENTS ARE PER UTILITY PLANS
5. SITE FURNISHINGS ARE PER LANDSCAPE PLANS

HORIZONTAL AND VERTICAL CONTROL

BASIS OF BEARINGS:
NAD '83 COORDINATES ON FD L&T AT RIMPAU BLVD. AND EXPOSITION BLVD. AND FD L&T AT VINELAND AVE. AND EXPOSITION BLVD. (PER FB 40580-15)

BENCHMARK:
CITY OF LOS ANGELES BM 13-02050
WIRE SPIKE 3.5FT N OF N CURB JEFFERSON BLVD□5FT E OF HARCOURT AVE N W COR C B
DATUM = NGVD 1929
ADJ. = 1985
ELEVATION (FT): 98.117

CITY OF LOS ANGELES BM 13-00630
WIRE SPK IN W CURB RODEO LANE□5FT S OF BC CURB RET S OF SERVICE ROAD S OF & PARALLEL TO RODEO ROAD
DATUM = NGVD 1929
ADJ. = 1985
ELEVATION (FT): 102.654



0 10 20 40
SCALE: 20

BID SUBMITTAL - DATED DEC. 15, 2016

BUREAU OF ENGINEERING

ENGINEERING
CITY OF LOS ANGELES

NO.	REVISIONS:	DATE:	BY:

BUILDING NO. XX/XX

INDEX NO. - RP 300094

PROFESSIONAL ENGINEER
JOSEPH E. DIETZ
No. 67032
EXP: 6/30/18
STATE OF CALIFORNIA

CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS

GARY LEE MOORE, PE, ENV SP CITY ENGINEER DATE:
ARCHITECTURAL DIVISION LIC. NO. 67032
ENGINEER: JOSEPH E. DIETZ
DESIGNED BY: JS
DRAWN BY: JS
CHECKED BY: JD
APPROVED BY:

VERTICAL CONTROL:
HORIZONTAL CONTROL:

SHEET TITLE: HORIZONTAL CONTROL PLAN
PROJECT: RANCHO CIENEGA SPORTS COMPLEX
ADDRESS: 5001 RODEO ROAD LOS ANGELES, CA 90016

PLANS PREPARED BY:
TETRA TECH, INC.
3475 E. Foothill Blvd.
Pasadena, CA 91107
Phone: (626) 351-4664 Fax: (626) 351-5291

WORK ORDER NO. E1907694
PLAN FILE NO.
DRAWING NO. C-318
SHEET OF SHEETS

PLOTTED: 12/13/2016 5:05 PM

REVISION DATES: (DESIGN STAGE ONLY)

TEMPLATE SHEET REVISION DATE: 08/2014
REVISION DATE: 12/7/2016 6:32 PM FILE: \\WRS318FS1\PROJECTS\85942\135-85842-15002\CAD\SHEETFILES\C-318_HORIZ CONTROL PLAN.DWG

POINT TABLE			
#	NORTHING	EASTING	DESC
100	1830452.51	6454542.77	FNCE
101	1830452.58	6454565.37	CACP
102	1830452.51	6454569.16	GATE
103	1830452.58	6454590.71	CACP
104	1830452.51	6454594.20	GATE
105	1830451.41	6454594.43	SWLK
106	1830451.37	6454599.49	EX SWLK
107	1830446.55	6454599.45	EX SWLK
108	1830446.60	6454594.45	SWLK
109	1830442.21	6454598.74	DW
110	1830461.93	6454593.92	FNCE
111	1830487.10	6454546.62	CURB
112	1830487.10	6454561.62	CURB
113	1830490.10	6454564.62	CURB
114	1830493.02	6454564.62	CURB
115	1830496.02	6454561.62	CURB
116	1830496.03	6454546.62	CURB
117	1830461.93	6454626.62	FNCE
118	1830486.99	6454593.95	GATE
119	1830512.05	6454593.95	GATE
120	1830540.05	6454593.95	FNCE
121	1830552.42	6454546.62	CURB
122	1830555.42	6454564.62	CURB
123	1830558.33	6454564.62	CURB
124	1830561.35	6454546.62	CURB
125	1830562.70	6454593.74	BLDG
126	1830562.70	6454619.33	BLDG
127	1830562.10	6454626.55	SWLK
128	1830592.70	6454593.74	BLDG
129	1830592.70	6454619.41	BLDG
130	1830601.91	6454626.62	FNCE
131	1830602.70	6454593.95	SWLK
132	1830603.30	6454592.83	GD
133	1830730.35	6454546.62	CURB
134	1830730.35	6454561.62	CURB
135	1830733.35	6454564.62	CURB
136	1830602.49	6454626.55	SWLK
137	1830603.75	6454629.52	FNCE
138	1830457.11	6454540.98	WALL
139	1830555.57	6454541.16	WALL
140	1830556.15	6454540.31	FNCE
200	1830461.93	6454960.71	FENCE
201	1830446.90	6454962.82	SWLK
202	1830446.84	6454968.82	SWLK
203	1830447.34	6454969.32	CURB
204	1830441.42	6455012.08	RAMP
205	1830435.44	6455006.03	RAMP
206	1830435.33	6455012.02	RAMP
207	1830435.28	6455016.09	RAMP
208	1830435.26	6455022.13	RAMP
209	1830441.38	6455016.14	RAMP
210	1830487.26	6454969.34	CURB
211	1830487.26	6454984.34	CURB
212	1830490.26	6454987.35	CURB
213	1830493.18	6454987.34	CURB
214	1830496.18	6454984.35	CURB
215	1830496.19	6454969.35	CURB

POINT TABLE			
#	NORTHING	EASTING	DESC
216	1830474.71	6455015.88	CURB
217	1830471.70	6455018.93	CURB
218	1830471.70	6455021.79	CURB
219	1830474.71	6455024.79	CURB
220	1830489.70	6455024.81	CURB
221	1830488.58	6455078.73	CURB
222	1830472.21	6455081.73	CURB
223	1830472.21	6455084.64	CURB
224	1830488.58	6455087.66	CURB
225	1830489.71	6455148.28	CURB
226	1830490.21	6455148.78	CURB
227	1830489.72	6455151.29	CURB
228	1830490.20	6455151.78	CURB
229	1830474.70	6455151.28	CURB
230	1830471.70	6455154.25	CURB
231	1830471.70	6455160.78	CURB
232	1830490.20	6455159.78	CURB
233	1830490.20	6455170.96	CURB
234	1830471.72	6455169.97	CURB
235	1830471.72	6455176.44	CURB
236	1830474.72	6455179.44	CURB
237	1830489.66	6455179.44	CURB
238	1830489.71	6455182.44	CURB
239	1830488.59	6455216.01	CURB
240	1830472.22	6455219.01	CURB
241	1830472.22	6455221.93	CURB
242	1830488.59	6455224.94	CURB
243	1830488.62	6455306.01	CURB
244	1830471.70	6455309.22	CURB
245	1830471.70	6455311.93	CURB
246	1830488.62	6455314.94	SWLK
247	1830443.67	6455343.81	CURB
248	1830443.17	6455343.80	RAMP
249	1830443.26	6455334.02	RAMP
250	1830438.76	6455333.98	RAMP
251	1830438.67	6455343.70	RAMP
252	1830438.49	6455363.92	CURB
253	1830438.50	6455376.16	CACP
254	1830438.30	6455382.07	CURB
255	1830438.02	6455402.07	RAMP
256	1830443.02	6455402.16	RAMP
257	1830458.02	6455402.66	RAMP
258	1830442.52	6455408.26	RAMP
259	1830444.24	6455408.41	FNCE
260	1830442.52	6455418.07	RAMP
261	1830438.02	6455408.26	RAMP
262	1830438.02	6455418.07	RAMP
263	1830489.76	6455363.92	CURB
264	1830475.43	6455363.92	CURB
265	1830472.43	6455366.92	CURB
266	1830472.43	6455368.21	CURB
267	1830483.72	6455376.16	CURB
268	1830489.78	6455376.16	CACP
269	1830493.74	6455376.16	CACP
270	1830489.73	6455402.16	CACP
271	1830493.74	6455402.16	CACP
272	1830499.72	6455376.16	CURB

POINT TABLE			
#	NORTHING	EASTING	DESC
273	1830511.04	6455368.16	CURB
274	1830511.04	6455366.92	CURB
275	1830508.04	6455363.92	CURB
276	1830493.71	6455363.92	CURB
277	1830494.83	6455269.94	CURB
278	1830493.71	6455002.36	CACP
279	1830489.73	6455002.35	CACP
280	1830447.02	6455002.35	CACP
281	1830446.88	6455014.30	CACP
282	1830445.46	6455160.86	CACP
283	1830445.37	6455169.86	CACP
284	1830511.20	6455266.94	CURB
285	1830511.20	6455264.03	CURB
286	1830494.83	6455261.01	CURB
287	1830493.71	6455182.44	CURB
288	1830493.70	6455179.44	CURB
289	1830508.71	6455179.44	CURB
290	1830511.71	6455176.44	CURB
291	1830511.71	6455169.96	CURB
292	1830493.70	6455170.46	CURB
293	1830493.70	6455160.28	CURB
294	1830511.70	6455160.79	CURB
295	1830511.70	6455154.30	CURB
296	1830508.70	6455151.28	CURB
297	1830493.72	6455151.28	CURB
298	1830493.70	6455148.28	CURB
299	1830494.83	6455114.73	CURB
2100	1830511.20	6455111.73	CURB
2101	1830511.20	6455108.81	CURB
2102	1830494.83	6455105.80	CURB
2103	1830494.83	6455060.73	CURB
2104	1830511.20	6455057.73	CURB
2105	1830511.20	6455054.81	CURB
2106	1830494.83	6455051.80	CURB
2107	1830493.70	6455018.88	CURB
2108	1830490.70	6455015.88	CURB
2109	1830552.59	6454969.40	CURB
2110	1830555.06	6454987.37	CACP
2111	1830555.59	6454987.42	CURB
2112	1830558.51	6454987.42	CURB
2113	1830559.04	6454987.37	CACP
2114	1830561.52	6454969.41	CACP
2115	1830559.04	6455002.35	CACP
2116	1830555.05	6455002.35	CACP
2117	1830537.05	6455018.88	CURB
2118	1830537.05	6455021.79	CURB
2119	1830555.06	6455024.81	CURB
2120	1830553.93	6455078.73	CURB
2121	1830537.56	6455081.73	CURB
2122	1830537.56	6455084.64	CURB
2123	1830553.93	6455087.66	CURB
2124	1830555.06	6455148.28	CURB
2125	1830555.03	6455151.28	CURB
2126	1830540.05	6455151.28	CURB
2127	1830537.05	6455154.30	CURB
2128	1830537.05	6455160.78	CURB
2129	1830537.05	6455169.87	CURB

POINT TABLE			
#	NORTHING	EASTING	DESC
2130	1830537.05	6455176.34	CURB
2131	1830540.05	6455179.34	CURB
2132	1830555.04	6455179.34	CURB
2133	1830555.04	6455182.35	CURB
2134	1830553.92	6455215.91	CURB
2135	1830555.05	6455218.88	CURB
2136	1830537.55	6455218.91	CURB
2137	1830537.55	6455221.83	CURB
2138	1830555.05	6455221.88	CURB
2139	1830553.93	6455224.84	CURB
2140	1830553.95	6455305.91	CURB
2141	1830555.08	6455308.88	CURB
2142	1830537.04	6455308.91	CURB
2143	1830537.04	6455311.83	CURB
2144	1830555.08	6455311.88	CURB
2145	1830553.96	6455314.84	CURB
2146	1830555.10	6455363.92	CURB
2147	1830540.76	6455363.92	CURB
2148	1830537.76	6455366.92	CURB
2149	1830537.76	6455368.21	CURB
2150	1830549.06	6455376.16	CURB
2151	1830555.08	6455376.16	CACP
2152	1830559.04	6455376.16	CACP
2153	1830555.04	6455402.16	CACP
2154	1830559.06	6455402.16	CACP
2155	1830565.06	6455376.16	CURB
2156	1830576.37	6455368.16	CURB
2157	1830576.37	6455366.92	CURB
2158	1830573.37	6455363.92	CURB
2159	1830559.04	6455363.92	CURB
2160	1830559.04	6455311.88	CURB
2161	1830559.04	6455308.88	CURB
2162	1830560.16	6455269.84	CURB
2163	1830576.54	6455266.84	CURB
2164	1830576.54	6455263.88	CURB
2165	1830560.16	6455260.92	CURB
2166	1830559.04	6455182.32	CURB
2167	1830559.04	6455179.34	CURB
2168	1830574.04	6455179.34	CURB
2169	1830577.04	6455176.34	CURB
2170	1830577.04	6455169.86	CURB
2171	1830577.05	6455160.79	CURB
2172	1830577.05	6455154.18	CURB
2173	1830574.05	6455151.28	CURB
2174	1830559.07	6455151.28	CURB
2175	1830559.05	6455148.28	CURB
2176	1830560.17	6455114.72	CURB
2177	1830576.55	6455111.72	CURB
2178	1830576.55	6455108.81	CURB
2179	1830560.17	6455105.80	CURB
2180	1830560.17	6455060.73	CURB
2181	1830576.55	6455057.72	CURB
2182	1830576.55	6455054.81	CURB
2183	1830560.17	6455051.80	CURB
2184	1830559.05	6455018.87	CURB
2185	1830556.05	6455015.87	CURB
2186	1830621.71	6454969.46	CURB

POINT TABLE			
#	NORTHING	EASTING	DESC
2187	1830651.19	6454962.82	SWLK
2188	1830653.23	6454960.71	FNCE
2189	1830651.19	6454972.69	SWLK
2190	1830650.15	6454973.88	CONC
2191	1830632.18	6454973.88	CONC
2192	1830632.18	6454989.26	CONC
2193	1830650.15	6454989.26	CONC
2194	1830621.68	6455002.37	CACP
2195	1830621.68	6455014.37	CACP
2196	1830621.68	6455015.83	SWLK
2197	1830627.19	6455015.83	SWLK
2198	1830651.19	6454990.31	SWLK
2199	1830664.02	6454990.31	SWLK
2200	1830664.02	6455002.30	SWLK
2201	1830650.47	6455004.13	SWLK
2202	1830660.54	6455017.52	SWLK
2203	1830651.22	6455017.52	SWLK
2204	1830604.92	6455018.66	CURB
2205	1830604.92	6455021.01	CURB
2206	1830621.68	6455023.94	CURB
2207	1830621.68	6455079.70	CURB
2208	1830604.92	6455082.53	CURB
2209	1830604.92	6455084.88	CURB
2210	1830621.68	6455087.80	CURB
2211	1830627.19	6455087.78	SWLK
2212	1830621.68	6455151.14	CURB
2213	1830604.92	6455153.96	CURB
2214	1830604.92	6455156.31	CURB
2215	1830622.18	6455159.24	CURB
2216	1830622.18	6455160.86	SWLK
2217	1830602.37	6455160.86	CACP
2218	1830602.37	6455169.86	CACP
2219	1830622.18	6455169.86	SWLK
2220	1830622.18	6455171.24	CURB
2221	1830604.92	6455174.20	CURB
2222	1830604.92	6455176.55	CURB
2223	1830621.68	6455179.37	CURB
2224	1830621.68	6455219.36	CURB
2225	1830604.92	6455222.19	CURB
2226	1830604.92	6455224.54	CURB
2227	1830621.68	6455227.46	CURB
2228	1830627.19	6455219.36	SWLK
2229	1830621.68	6455307.38	CURB
2230	1830604.92	6455310.21	CURB
2231	1830604.92	6455312.56	CURB
2232	1830621.68	6455315.49	CURB
2233	1830627.19	6455315.49	SWLK
2234	1830621.68	6455363.93	CACP
2235	1830621.68	6455376.15	CACP
2236	1830621.68	6455402.16	CURB
2237	1830627.19	6455408.27	SWLK
2238	1830628.18	6455408.27	FNCE
2253	1830728.63	6455159.24	SWLK
2254	1830728.63	6455171.24	SWLK
2255	1830709.30	6455171.24	SWLK
2256	1830709.30	6455159.24	SWLK
2257	1830687.14	6455159.24	SWLK

POINT TABLE			
#	NORTHING	EASTING	DESC
2258	1830682.18	6455159.24	SWLK
2259	1830651.19	6455154.10	SWLK
2260	1830660.81	6455151.22	FNCE
2261	1830660.80	6455159.59	GATE
2262	1830660.80	6455170.50	GATE
2263	1830660.80	6455179.23	FNCE
2264	1830651.19	6455176.77	SWLK
2265	1830651.19	6455350.02	SWLK
2266	1830660.54	6455350.02	BLDG
2267	1830697.90	6455362.12	SWLK
2268	1830692.01	6455362.11	SWLK
2269	1830645.18	6455362.02	SWLK
2270	1830665.57	6455398.02	SWLK
2271	1830645.18	6455398.02	SWLK
2272	1830665.32	6455409.01	SWLK
2273	1830645.18	6455409.01	SWLK
2274	1830665.05	6455426.88	SWLK
2275	1830645.19	6455426.88	SWLK
2276	1830633.19	6455014.30	SWLK
2277	1830639.19	6455014.30	SWLK
2278	1830639.19	6455026.14	SWLK
2279	1830633.19	6455026.14	SWLK
2280	1830633.19	6455049.89	SWLK
2281	1830639.19	6455049.89	SWLK
2282	1830639.19	6455061.73	SWLK
2283	1830633.19	6455061.73	SWLK
2284	1830633.19	6455079.58	SWLK
2285	1830639.19	6455079.58	SWLK
2286	1830639.19	6455091.42	SWLK
2287	1830633.19	6455091.42	SWLK
2288	1830633.19	6455103.33	SWLK
2289	1830639.19	6455103.33	SWLK
2290	1830639.18	6455115.20	SWLK
2291	1830633.18	6455115.21	SWLK
2292	1830633.19	6455151.14	SWLK
2293	1830639.19	6455151.14	SWLK
2294	1830639.18	6455159.24	SWLK
2295	1830633.18	6455159.24	SWLK
2296	1830633.19	6455171.24	SWLK
2297	1830639.19	6455171.24	SWLK
2298	1830639.18	6455179.37	SWLK
2299	1830633.18	6455179.37	SWLK
2300	1830633.19	6455214.64	SWLK
2301	1830639.19	6455214.64	SWLK
2302	1830639.18	6455226.35	SWLK
2303	1830633.18	6455226.35	SWLK
2304	1830633.19	6455261.48	SWLK
2305	1830639.19	6455261.48	SWLK
2306	1830639.18	6455273.19	SWLK
2307	1830633.18	6455273.19	SWLK
2308	1830633.19	6455308.38	SWLK
2309	1830639.19	6455308.38	SWLK
2310	1830639.18	6455320.09	SWLK
2311	1830633.18	6455320.09	SWLK

LEGEND

BLDG	BUILDING
CACP	COLORED AC PAVEMENT
CONC	CONCRETE
CURB	TOP OF CURB
FNCE	FENCE POST
GATE	GATE POST
GD	GRATE DRAIN
GTTR	GUTTER
PLNT	PLANTER
RAMP	ADA SIDEWALK RAMP
SWLK	SIDEWALK
WALL	EXISTING WALL

THE CITY OF LOS ANGELES OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF ELECTRONIC COPIES OF THIS PLAN SHEET.

TEMPLATE SHEET REVISION DATE: 08/2014
REVISION DATE: 12/7/2016 6:35 PM
FILE: \\WR5316FS1\PROJECTS\85942135-85942-15002\CAD\SHEETTITLES\C-319_HORIZ CONTROL TABLES.DWG

REVISION DATES (DESIGN STAGE ONLY)

BUREAU OF ENGINEERING
OFFICIAL RECORD

PLANS PREPARED BY:
TETRA TECH, INC.
3475 E. Foothill Blvd.
Pasadena, CA 91107
Phone: (626) 351-4664 Fax: (626) 351-5291

BID SUBMITTAL - DATED DEC. 15, 2016

CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS

BUREAU OF ENGINEERING

ENGINEERING
CITY OF LOS ANGELES

NO.	REVISIONS:	DATE:	BY:

BUILDING NO. XX/XX

INDEX NO. - RP 300094

REGISTERED PROFESSIONAL ENGINEER JOSEPH E. DIETZ No. 67032 EXP: 9/30/18 STATE OF CALIFORNIA

GARY LEE MOORE, PE, ENV SP CITY ENGINEER
ARCHITECTURAL DIVISION LIC. NO. 67032
ENGINEER: JOSEPH E. DIETZ
DESIGNED BY: JS
DRAWN BY: JS
CHECKED BY: JD
APPROVED BY:
DATE:

VERTICAL CONTROL:
HORIZONTAL CONTROL:

SHEET TITLE: HORIZONTAL CONTROL TABLES
PROJECT: RANCHO CIENEGA SPORTS COMPLEX
ADDRESS: 5001 RODEO ROAD LOS ANGELES, CA 90016

WORK ORDER NO. E1907694
PLAN FILE NO.
DRAWING NO. C-319
SHEET OF SHEETS

PLOTTED: 12/13/2016 5:06 PM

POINT TABLE			
#	NORTHING	EASTING	DESC
300	1830441.15	6455584.30	SWLK
301	1830441.19	6455596.30	SWLK
302	1830454.65	6455596.44	EX FNCE
303	1830596.10	6455584.34	SWLK
304	1830596.09	6455568.80	EX SWLK
305	1830605.25	6455568.76	EX SWLK
306	1830605.17	6455563.31	EX SWLK
307	1830627.19	6455530.84	EX BLDG
308	1830664.62	6455450.26	SWLK
309	1830645.19	6455450.26	SWLK
310	1830627.66	6455440.30	SWLK
311	1830627.66	6455464.56	SWLK
312	1830663.75	6455501.49	SWLK
313	1830645.19	6455501.46	SWLK
314	1830663.78	6455512.30	SWLK
315	1830663.78	6455548.30	SWLK
316	1830647.90	6455530.92	EX BLDG
317	1830647.88	6455563.28	EX SWLK
318	1830663.78	6455560.30	SWLK
319	1830663.78	6455584.30	SWLK
320	1830628.18	6455530.85	FNCE
321	1830652.18	6455566.30	SWLK
322	1830652.18	6455584.30	SWLK
323	1830639.19	6455566.30	SWLK
324	1830639.19	6455584.30	SWLK
400	1830733.35	6454564.62	CURB
401	1830736.26	6454564.62	CURB
402	1830739.26	6454561.62	CURB
403	1830739.28	6454546.62	CURB
404	1830811.28	6454546.62	CURB
405	1830814.28	6454564.62	CURB
406	1830817.19	6454564.62	CURB
407	1830820.21	6454546.62	CURB
408	1830974.09	6454546.62	CURB
409	1830977.09	6454564.62	CURB
410	1830980.00	6454564.62	CURB
411	1830983.02	6454546.62	CURB
412	1830980.75	6454593.47	GD
413	1830984.10	6454598.29	FNCE
414	1830983.79	6454631.11	CONC
415	1831012.10	6454598.29	GATE
416	1831012.23	6454631.39	CONC
417	1831012.23	6454641.13	CONC
418	1831024.21	6454598.33	GATE
419	1831039.02	6454641.13	CONC
420	1831039.02	6454666.53	CONC
421	1831054.06	6454546.62	CURB
422	1831057.06	6454564.62	CURB
423	1831059.98	6454564.62	CURB
424	1831062.99	6454546.62	SWLK
425	1831052.64	6454598.33	GATE
426	1831077.70	6454598.33	GATE
427	1831085.26	6454666.53	CONC
428	1831130.90	6454543.84	FNCE
429	1831130.89	6454569.49	GATE
430	1831130.85	6454594.30	SWLK
431	1831129.02	6454598.33	FNCE

POINT TABLE			
#	NORTHING	EASTING	DESC
432	1831134.35	6454594.30	SWLK
433	1831137.35	6454597.30	SWLK
434	1831137.35	6454609.87	CURB
435	1831136.85	6454610.37	SWLK
437	1831136.85	6454627.27	SWLK
438	1831137.35	6454627.77	CURB
439	1831152.84	6454689.11	CURB
440	1831130.85	6454721.89	SWLK
441	1831124.02	6454688.41	CONC
442	1831096.49	6454688.42	CONC
443	1831124.02	6454721.89	CONC
444	1831096.50	6454721.90	CONC
445	1831130.85	6454727.90	SWLK
446	1831129.02	6454719.65	FNCE
447	1831124.36	6454719.65	FNCE
448	1831137.35	6454833.80	CURB
449	1831136.85	6454834.30	SWLK
450	1831136.85	6454846.40	SWLK
451	1831130.85	6454834.30	SWLK
452	1831130.85	6454846.40	SWLK
453	1831096.17	6454719.65	FNCE
454	1831094.85	6454727.90	SWLK
455	1831086.84	6454719.65	FNCE
456	1831094.84	6454834.30	SWLK
457	1831094.84	6454846.40	SWLK
458	1831135.85	6454594.70	RAMP
459	1831131.85	6454594.30	RAMP
460	1831135.85	6454602.22	RAMP
461	1831131.85	6454602.22	RAMP
500	1830786.97	6455004.08	SWLK
501	1830786.97	6454957.77	SWLK
502	1830798.79	6454957.77	SWLK
503	1830798.79	6454990.30	SWLK
504	1830813.86	6455002.30	SWLK
505	1830813.86	6455014.30	SWLK
506	1830807.78	6455020.30	SWLK
507	1830801.76	6455049.89	SWLK
508	1830801.78	6455067.70	SWLK
509	1830801.76	6455145.14	SWLK
510	1830801.72	6455151.10	SWLK
511	1830786.79	6455017.48	SWLK
512	1830795.79	6455049.89	SWLK
513	1830795.77	6455067.68	SWLK
514	1830795.81	6455145.14	SWLK
515	1830795.77	6455151.10	SWLK
516	1830807.78	6455171.24	SWLK
517	1830801.78	6455171.24	SWLK
518	1830786.79	6455154.10	SWLK
519	1830786.80	6455176.77	SWLK
520	1830777.13	6455151.22	FNCE
521	1830777.14	6455159.58	GATE
522	1830777.14	6455170.51	GATE
523	1830777.13	6455179.23	FNCE
524	1830775.72	6455154.10	FNCE
525	1830775.72	6455152.10	SWLK
526	1830775.55	6455176.77	SWLK
527	1830775.55	6455178.52	SWLK

POINT TABLE			
#	NORTHING	EASTING	DESC
528	1830755.52	6455159.24	SWLK
529	1830750.52	6455159.24	SWLK
530	1830807.78	6455242.30	SWLK
531	1830801.71	6455241.73	SWLK
532	1830801.78	6455279.03	SWLK
533	1830801.78	6455308.38	SWLK
534	1830795.78	6455279.06	SWLK
535	1830795.78	6455308.38	SWLK
536	1830786.80	6455350.02	SWLK
537	1830783.78	6455362.30	SWLK
538	1830801.77	6455416.30	SWLK
539	1830795.77	6455416.30	SWLK
540	1830783.78	6455422.30	SWLK
541	1830754.92	6455362.24	SWLK
542	1830748.92	6455362.22	SWLK
543	1830796.45	6454973.48	FNCE
544	1830798.79	6454973.47	SWLK
545	1830843.44	6455002.29	SWLK
546	1830843.44	6455014.30	SWLK
547	1830884.85	6454973.29	SWLK
548	1830884.85	6454990.30	SWLK
549	1830896.85	6454973.29	SWLK
550	1830896.84	6454990.33	SWLK
551	1830920.85	6455002.28	SWLK
552	1830920.85	6455014.30	SWLK
553	1830944.85	6455002.27	SWLK
554	1830944.85	6455014.30	SWLK
555	1830956.85	6455002.27	SWLK
556	1830956.85	6455014.36	SWLK
557	1831010.90	6455002.31	SWLK
558	1831010.85	6455014.31	SWLK
559	1831034.85	6455002.25	SWLK
560	1831034.85	6455014.30	SWLK
561	1831088.84	6455002.24	SWLK
562	1831088.84	6455014.30	SWLK
563	1831059.66	6454973.24	FNCE
564	1831059.66	6454953.48	FNCE
565	1831088.84	6454990.33	SWLK
566	1831088.68	6454953.35	FNCE
567	1831094.84	6454936.30	SWLK
568	1831094.84	6454948.30	SWLK
569	1831094.85	6454990.33	SWLK
570	1831100.85	6455002.23	SWLK
571	1831100.85	6455014.30	SWLK
572	1831130.80	6454936.29	SWLK
573	1831130.85	6454948.31	SWLK
574	1831130.85	6454990.33	SWLK
575	1831124.82	6455002.26	SWLK
576	1831124.85	6455014.29	SWLK
577	1831136.85	6454990.30	SWLK
578	1831136.83	6455002.23	SWLK
579	1831136.83	6455014.31	SWLK
580	1830775.09	6455422.30	SWLK
600	1830774.37	6455452.30	SWLK
601	1830783.78	6455452.30	SWLK
602	1830801.79	6455458.30	SWLK
603	1830795.78	6455458.30	SWLK

POINT TABLE			
#	NORTHING	EASTING	DESC
604	1830783.78	6455530.30	SWLK
605	1830748.18	6455530.30	SWLK
606	1830742.10	6455512.30	SWLK
607	1830741.99	6455548.30	SWLK
608	1830748.18	6455536.30	SWLK
609	1830748.18	6455548.43	SWLK
610	1830783.78	6455536.30	SWLK
611	1830783.78	6455548.43	SWLK
612	1830783.78	6455560.30	SWLK
613	1830783.78	6455584.30	SWLK
614	1830801.79	6455542.30	SWLK
615	1830795.78	6455542.30	SWLK
616	1830801.79	6455554.30	SWLK
617	1830795.79	6455554.30	SWLK
618	1830807.78	6455578.30	SWLK
619	1830820.18	6455596.30	SWLK
620	1830832.19	6455584.30	SWLK
621	1830832.19	6455596.30	SWLK
622	1830844.19	6455584.30	SWLK
623	1830844.19	6455596.29	SWLK
624	1830826.18	6455608.30	SWLK
625	1830826.18	6455668.30	SWLK
626	1830832.35	6455617.45	PLNT
627	1830832.35	6455668.30	PLNT
628	1830826.18	6455674.30	SWLK
629	1830826.18	6455728.30	SWLK
630	1830856.66	6455674.30	PLNT
631	1830856.66	6455728.30	PLNT
632	1830826.18	6455734.30	SWLK
633	1830826.18	6455788.33	SWLK
634	1830820.18	6455788.30	SWLK
635	1830863.25	6455734.30	PLNT
636	1830863.23	6455766.36	PLNT
637	1830865.86	6455766.35	PLNT
638	1830865.89	6455775.08	PLNT
639	1830925.84	6455674.30	PLNT
640	1830925.84	6455728.30	PLNT
641	1830946.18	6455608.30	SWLK
642	1830946.18	6455775.08	PLNT
643	1830916.18	6455584.30	SWLK
644	1830946.18	6455584.30	SWLK
645	1830952.18	6455584.30	SWLK
646	1830988.18	6455584.30	SWLK
647	1831018.35	6455584.28	SWLK
648	1831048.18	6455584.32	SWLK
649	1831090.17	6455584.30	SWLK
650	1831132.18	6455584.30	SWLK
651	1831156.17	6455584.30	SWLK
652	1830946.17	6455617.44	SWLK
653	1830946.18	6455668.30	SWLK
654	1830946.18	6455674.30	SWLK
655	1830946.18	6455728.30	SWLK
656	1830946.18	6455734.30	SWLK
657	1830946.18	6455788.30	SWLK
658	1830952.18	6455788.30	SWLK
659	1830952.18	6455764.30	SWLK
660	1830952.18	6455752.30	SWLK

POINT TABLE			
#	NORTHING	EASTING	DESC
661	1830952.18	6455680.30	SWLK
662	1830952.18	6455668.30	SWLK
663	1830952.18	6455608.30	SWLK
664	1830916.18	6455596.30	SWLK
665	1830946.18	6455596.30	SWLK
666	1830952.18	6455596.30	SWLK
667	1830988.19	6455596.27	SWLK
668	1830988.18	6455608.30	SWLK
669	1830988.18	6455668.30	SWLK
670	1830988.18	6455680.30	SWLK
671	1830988.18	6455752.30	SWLK
672	1830988.18	6455764.30	SWLK
673	1830988.18	6455788.17	SWLK
674	1830994.18	6455788.17	SWLK
675	1830994.18	6455608.30	SWLK
676	1831018.18	6455596.30	SWLK
677	1831048.18	6455596.23	SWLK
678	1831090.17	6455596.30	SWLK
679	1831132.21	6455596.34	SWLK
680	1831156.18	6455596.29	SWLK
681	1830748.17	6455502.55	SWLK
701	1831215.65	6454546.62	CURB
702	1831215.65	6454561.62	CURB
703	1831218.65	6454564.62	CURB
704	1831221.56	6454564.62	CURB
705	1831224.56	6454561.62	CURB
706	1831224.58	6454546.62	CURB
707	1831191.86	6454671.10	CURB
708	1831194.78	6454671.10	CURB
709	1831191.86	6454707.61	PLNT
710	1831194.95	6454707.61	PLNT
711	1831162.85	6454751.44	PLNT
712	1831162.85	6454771.44	PLNT
713	1831191.86	6454789.97	PLNT
714	1831194.78	6454789.97	PLNT
715	1831218.92	6454645.77	CURB
716	1831221.83	6454645.77	CURB
717	1831218.85	6454732.94	PLNT
718	1831221.76	6454732.94	PLNT
719	1831218.85	6454815.80	PLNT
720	1831221.76	6454815.80	PLNT
721	1831272.90	6454671.11	CURB
722	1831275.82	6454671.11	CURB
723	1831272.90	6454707.61	PLNT
724	1831275.82	6454707.61	PLNT
725	1831272.90	6454789.97	PLNT
726	1831275.82	6454789.97	PLNT
727	1831296.58	6454546.62	CURB
728	1831299.58	6454564.62	CURB
729	1831302.49	6454564.62	CURB
730	1831305.51	6454546.63	CURB
731	1831299.85	6454645.77	CURB
732	1831302.76	6454645.77	CURB
733	1831299.85	6454732.94	PLNT
734	1831302.76	6454732.94	PLNT
735	1831299.85	6454815.80	PLNT
736	1831302.76	6454815.80	PLNT

POINT TABLE			
#	NORTHING	EASTING	DESC
737	1831331.58	6454751.44	PLNT
738	1831331.58	6454771.44	PLNT
739	1831424.58	6454542.95	CURB
740	1831422.58	6454542.95	GTTR
741	1831424.58	6454562.39	CURB
742	1831427.58	6454565.39	CURB
743	1831443.26	6454565.37	CURB
744	1831480.03	6454544.01	CURB
745	1831482.31	6454544.01	GTTR
746	1831509.84	6454532.32	CURB
747	1831507.83	6454532.32	GTTR
748	1831521.93	6454532.32	SWLK
749	1831510.58	6454552.90	CURB
750	1831507.47	6454565.37	CACP
751	1831508.85	6454572.43	CURB
752	1831467.11	6454609.83	CURB
753	1831427.58	6454609.85	CURB
754	1831427.58	6454607.85	GTTR
755	1831424.58	6454612.86	RAMP
756	1831424.58	6454616.82	RAMP
757	1831424.58	6454620.82	RAMP
758	1831424.58	6454625.82	RAMP
759	1831424.58	6454627.79	CURB
760	1831427.58	6454620.82	RAMP
761	1831427.58	6454616.82	RAMP
762	1831432.49	6454611.82	RAMP
763	1831432.49	6454616.82	RAMP
764	1831432.49	6454625.82	RAMP
765	1831432.49	6454620.82	RAMP
766	1831398.73	6454616.82	RAMP
767	1831398.73	6454612.87	RAMP
768	1831395.73	6454609.87	CURB
769	1831395.73	6454616.82	RAMP
770	1831390.82	6454611.82	RAMP
771	1831390.82	6454616.82	RAMP
772	1831398.73	6454620.82	RAMP
773	1831395.73	6454620.82	RAMP
774	1831398.73	6454625.82	RAMP
775	1831390.82	6454620.82	RAMP
776	1831390.82	6454625.82	RAMP
777	1831380.74	6454627.27	CURB
778	1831398.73	6454642.50	CURB
779	1831395.73	6454645.50	CURB
780	1831380.74	6454645.50	CURB
781	1831377.74	6454645.50	RAMP
782	1831373.74	6454645.50	RAMP
783	1831373.24	6454645.50	SWLK
784	1831370.24	6454642.50	CURB
785	1831377.74	6454642.50	RAMP
786	1831377.74	6454637.59	RAMP
787	1831373.74	6454642.50	RAMP
788	1831373.74	6454637.59	RAMP
789	1831370.74	6454627.27	CURB
790	1831499.92	6454590.70	CACP
791	1831381.24	6454671.11	CURB
792	1831377.54	6454671.11	RAMP
793	1831373.54	6454671.11	RAMP

LEGEND

BLDG	BUILDING
CACP	COLORED AC PAVEMENT
CONC	CONCRETE
CURB	TOP OF CURB
FNCE	FENCE POST
GATE	GATE POST
GD	GRATE DRAIN
GTTR	GUTTER
PLNT	PLANTER
RAMP	ADA SIDEWALK RAMP
SWLK	SIDEWALK
WALL	EXISTING WALL

BID SUBMITTAL - DATED DEC. 15, 2016

BUREAU OF ENGINEERING

DEPARTMENT OF PUBLIC WORKS

CITY OF LOS ANGELES

ENGINEERING
CITY OF LOS ANGELES

BUILDING NO. XX/XX

INDEX NO. - RP 300094

NO.	REVISIONS:	DATE:	BY:

GARY LEE MOORE, PE, ENV SP CITY ENGINEER

ENGINEER: JOSEPH E. DIETZ — LIC. NO. 67032 — ARCHITECTURAL DIVISION — DATE:

DESIGNED BY: JS

DRAWN BY: JS

CHECKED BY: JD

APPROVED BY:

PROFESSIONAL ENGINEER — JOSEPH E. DIETZ — No. 67032 — EXP: 6/30/18 — STATE OF CALIFORNIA — REGISTERED

VERTICAL CONTROL:

HORIZONTAL CONTROL:

SHEET TITLE: HORIZONTAL CONTROL TABLES

PROJECT: RANCHO CIENEGA SPORTS COMPLEX

ADDRESS: 5001 RODEO ROAD LOS ANGELES, CA 90016

PLANS PREPARED BY:
TETRA TECH, INC.
3475 E. Foothill Blvd.
Pasadena, CA 91107
Phone: (626) 351-4664 Fax: (626) 351-5291

BUREAU OF ENGINEERING — OFFICIAL RECORD

WORK ORDER NO. E1907694

PLAN FILE NO.

DRAWING NO. C-320

SHEET OF SHEETS

PLOTTED: 12/13/2016 5:06 PM

REVISION DATES: (DESIGN STAGE ONLY)

THE CITY OF LOS ANGELES OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF ELECTRONIC COPIES OF THIS PLAN SHEET.

TEMPLATE SHEET REVISION DATE: 08/2014
REVISION DATE: 12/7/2016 6:36 PM
FILE: \\WRS318FS1\PROJECTS\85942\135-85842-15002\CAD\SHEETFILES\C-320_HORIZ CONTROL TABLES.DWG

POINT TABLE			
#	NORTHING	EASTING	DESC
794	1831372.85	6454671.11	SWLK
795	1831373.54	6454674.11	RAMP
796	1831369.85	6454674.11	CURB
797	1831377.54	6454674.11	RAMP
798	1831377.54	6454679.03	CURB
799	1831373.54	6454679.03	RAMP
7100	1831369.85	6454689.11	CURB
7101	1831381.24	6454694.48	CURB
7102	1831399.25	6454697.50	CURB
7103	1831399.25	6454700.41	CURB
7104	1831381.25	6454703.41	CURB
7105	1831364.85	6454689.64	SWLK
7106	1831364.85	6454708.53	SWLK
7107	1831357.24	6454708.53	SWLK
7108	1831356.74	6454689.61	CURB
7109	1831399.24	6454760.45	CURB
7110	1831399.24	6454763.36	CURB
7111	1831357.24	6454756.53	SWLK
7112	1831364.83	6454756.53	SWLK
7113	1831364.85	6454768.53	SWLK
7114	1831357.24	6454768.53	SWLK
7115	1831381.24	6454787.84	CURB
7116	1831379.79	6454787.84	RAMP
7117	1831374.79	6454784.84	RAMP
7118	1831374.79	6454787.84	RAMP
7119	1831370.79	6454787.84	RAMP
7120	1831370.79	6454784.84	RAMP
7121	1831365.79	6454787.84	RAMP
7122	1831379.79	6454779.92	RAMP
7123	1831374.79	6454779.92	RAMP
7124	1831370.79	6454779.92	RAMP
7125	1831381.24	6454813.17	CURB
7126	1831379.79	6454813.17	RAMP
7127	1831374.79	6454816.17	RAMP
7128	1831374.79	6454813.17	RAMP
7129	1831370.79	6454813.17	RAMP
7130	1831370.79	6454816.17	RAMP
7131	1831365.79	6454813.17	RAMP
7132	1831365.79	6454779.92	RAMP
7133	1831356.74	6454787.84	CURB
7134	1831356.74	6454813.17	CURB
7135	1831399.24	6454822.79	CURB
7136	1831399.24	6454825.71	CURB
7137	1831379.79	6454821.09	RAMP

POINT TABLE			
#	NORTHING	EASTING	DESC
7138	1831374.79	6454821.09	RAMP
7139	1831370.79	6454821.09	RAMP
7140	1831365.79	6454821.09	RAMP
7141	1831364.84	6454816.30	SWLK
7142	1831357.23	6454816.30	SWLK
7143	1831364.85	6454834.30	SWLK
7144	1831357.24	6454834.30	SWLK
7145	1831356.74	6454833.80	CURB
7146	1831399.25	6454885.73	CURB
7147	1831399.25	6454888.64	CURB
7148	1831357.29	6454846.35	SWLK
7149	1831364.85	6454882.30	SWLK
7150	1831357.25	6454882.30	SWLK
7151	1831364.86	6454894.30	SWLK
7152	1831357.24	6454894.30	SWLK
7153	1831510.98	6454627.37	CURB
7154	1831504.80	6454627.24	CURB
7155	1831509.57	6454639.79	PLNT
7157	1831451.83	6454633.76	PLNT
7158	1831443.83	6454639.72	PLNT
7159	1831507.04	6454661.79	PLNT
7160	1831505.74	6454673.72	PLNT
7161	1831503.22	6454667.76	PLNT
7162	1831443.83	6454661.80	PLNT
7163	1831451.83	6454667.76	PLNT
7164	1831443.88	6454673.72	PLNT
7165	1831443.83	6454663.79	PLNT
7166	1831427.61	6454663.79	PLNT
7167	1831425.11	6454666.29	PLNT
7168	1831425.11	6454669.21	PLNT
7169	1831427.60	6454671.71	PLNT
7170	1831443.88	6454671.72	PLNT
7171	1831503.45	6454692.99	PLNT
7172	1831502.11	6454704.92	PLNT
7173	1831499.63	6454698.95	PLNT
7174	1831443.83	6454692.99	PLNT
7175	1831451.83	6454698.96	PLNT
7176	1831443.83	6454704.92	PLNT
7177	1831499.79	6454724.78	PLNT
7178	1831498.48	6454736.71	PLNT
7179	1831495.99	6454730.75	PLNT
7180	1831443.83	6454724.78	PLNT
7181	1831451.83	6454730.75	PLNT
7182	1831443.85	6454736.71	PLNT

POINT TABLE			
#	NORTHING	EASTING	DESC
7183	1831425.11	6454729.28	PLNT
7184	1831425.11	6454732.20	PLNT
7185	1831496.23	6454755.79	PLNT
7186	1831494.89	6454767.72	PLNT
7187	1831492.40	6454761.76	PLNT
7188	1831443.83	6454755.79	PLNT
7189	1831451.83	6454761.76	PLNT
7190	1831443.83	6454767.72	PLNT
7191	1831467.53	6454787.29	CURB
7192	1831461.49	6454786.61	CURB
7193	1831492.55	6454787.78	PLNT
7194	1831491.26	6454799.71	PLNT
7195	1831488.78	6454793.75	PLNT
7196	1831443.83	6454787.78	PLNT
7197	1831451.82	6454793.75	PLNT
7198	1831443.83	6454799.72	PLNT
7199	1831425.10	6454792.28	PLNT
7200	1831425.10	6454795.20	PLNT
7201	1831489.00	6454818.59	PLNT
7202	1831487.67	6454830.52	PLNT
7203	1831485.18	6454824.56	PLNT
7204	1831443.83	6454818.59	PLNT
7205	1831451.83	6454824.56	PLNT
7206	1831443.83	6454830.52	PLNT
7207	1831485.38	6454850.14	PLNT
7208	1831484.04	6454862.07	PLNT
7209	1831481.55	6454856.11	PLNT
7210	1831443.83	6454850.14	PLNT
7211	1831451.83	6454856.11	PLNT
7212	1831443.83	6454862.07	PLNT
7213	1831425.10	6454854.64	PLNT
7214	1831425.10	6454857.56	PLNT
7215	1831481.78	6454881.38	PLNT
7216	1831480.45	6454893.31	PLNT
7217	1831477.96	6454887.34	PLNT
7218	1831443.83	6454881.38	PLNT
7219	1831451.83	6454887.34	PLNT
7220	1831443.83	6454893.31	PLNT
7221	1831478.19	6454912.56	PLNT
7222	1831474.71	6454918.52	PLNT
7223	1831443.83	6454912.56	PLNT
7224	1831451.83	6454918.52	PLNT
7225	1831425.10	6454917.06	PLNT

POINT TABLE			
#	NORTHING	EASTING	DESC
800	1831166.85	6455002.22	SWLK
801	1831166.85	6455014.30	SWLK
802	1831190.85	6455002.22	SWLK
803	1831190.85	6455014.30	SWLK
804	1831208.85	6455002.22	SWLK
805	1831208.85	6455014.30	SWLK
806	1831215.85	6454936.31	SWLK
807	1831215.85	6454948.36	SWLK
808	1831226.85	6455002.21	SWLK
809	1831226.85	6455014.17	SWLK
810	1831256.85	6455002.20	SWLK
811	1831256.85	6455014.30	SWLK
812	1831274.87	6455002.19	SWLK
813	1831274.85	6455014.30	SWLK
814	1831292.85	6455002.19	SWLK
815	1831292.85	6455014.30	SWLK
816	1831381.25	6454945.71	CURB
817	1831396.26	6454945.73	CURB
818	1831399.26	6454948.73	CURB
819	1831399.25	6454951.64	CURB
820	1831396.25	6454954.64	CURB
821	1831381.25	6454954.64	CURB
822	1831357.19	6454936.28	SWLK
823	1831364.82	6454948.30	SWLK
824	1831364.85	6454960.30	SWLK
825	1831357.33	6454960.30	SWLK
826	1831357.37	6454990.30	SWLK
827	1831358.85	6455020.30	SWLK
828	1831381.25	6455002.42	CURB
829	1831391.33	6455006.30	RAMP
830	1831396.24	6455006.30	RAMP
831	1831399.24	6455002.41	CURB
832	1831399.24	6455006.30	RAMP
833	1831399.24	6455010.30	RAMP
834	1831399.24	6455014.30	CURB
835	1831396.24	6455010.30	RAMP
836	1831391.33	6455010.30	RAMP
837	1831381.24	6455014.30	RAMP
838	1831378.24	6455014.30	RAMP
839	1831375.24	6455014.30	RAMP
840	1831381.24	6455095.30	RAMP
841	1831381.24	6455100.30	RAMP
842	1831378.24	6455095.30	RAMP

POINT TABLE			
#	NORTHING	EASTING	DESC
843	1831375.24	6455100.30	RAMP
844	1831375.24	6455095.30	RAMP
845	1831425.11	6454919.98	PLNT
846	1831427.60	6454922.48	PLNT
847	1831443.82	6454922.50	PLNT
848	1831443.80	6454924.49	PLNT
849	1831451.83	6454918.52	PLNT
850	1831474.71	6454918.52	PLNT
851	1831476.82	6454924.49	PLNT
852	1831474.56	6454944.19	PLNT
853	1831474.20	6454947.29	CURB
854	1831468.17	6454946.51	CURB
855	1831473.19	6454956.12	PLNT
856	1831443.81	6454944.18	PLNT
857	1831451.83	6454950.16	PLNT
858	1831443.82	6454956.13	PLNT
859	1831470.97	6454974.49	PLNT
860	1831467.11	6454980.46	PLNT
861	1831469.60	6454986.43	PLNT
862	1831443.83	6454974.49	PLNT
863	1831451.83	6454980.45	PLNT
864	1831443.81	6454986.42	PLNT
865	1831443.81	6454976.50	PLNT
866	1831427.61	6454976.50	PLNT
867	1831425.11	6454979.00	PLNT
868	1831425.11	6454981.91	PLNT
869	1831427.60	6454984.41	PLNT
870	1831443.81	6454984.43	PLNT
871	1831443.83	6455002.41	SWLK
872	1831443.83	6455014.31	SWLK
873	1831424.44	6455002.41	SWLK
874	1831424.41	6455014.30	SWLK
875	1831450.14	6455025.19	CURB
876	1831443.95	6455024.92	CURB
877	1831462.35	6455049.04	PLNT
878	1831458.49	6455055.01	PLNT
879	1831460.98	6455060.97	PLNT
880	1831443.84	6455049.04	PLNT
881	1831425.12	6455053.55	PLNT
882	1831425.17	6455056.99	PLNT
883	1831443.84	6455060.97	PLNT
884	1831459.79	6455072.70	PLNT
885	1831453.67	6455072.83	RAMP

POINT TABLE			
#	NORTHING	EASTING	DESC
886	1831451.21	6455147.22	CURB
887	1831445.28	6455145.80	CURB
888	1831443.83	6455145.80	PLNT
889	1831433.05	6455173.35	CURB
890	1831381.24	6455145.80	CURB
891	1831380.74	6455223.02	SWLK
892	1831380.74	6455235.43	SWLK
893	1831376.85	6455273.20	SWLK
894	1831364.85	6455273.20	SWLK
895	1831380.74	6455350.26	SWLK
896	1831380.23	6455351.98	CURB
897	1831376.85	6455362.29	SWLK
898	1831364.85	6455362.32	SWLK
899	1831380.74	6455385.53	SWLK
900	1831192.18	6455596.30	SWLK
901	1831192.18	6455584.30	SWLK
902	1831252.23	6455596.31	SWLK
903	1831252.18	6455584.30	SWLK
904	1831270.24	6455608.28	SWLK
905	1831270.24	6455794.42	PLNT
906	1831282.17	6455794.42	PLNT
907	1831282.17	6455608.28	SWLK
908	1831282.23	6455596.30	SWLK
909	1831282.18	6455584.30	SWLK
910	1831288.18	6455596.28	SWLK
911	1831288.18	6455584.28	SWLK
912	1831354.09	6455584.30	SWLK
913	1831354.07	6455596.30	SWLK
914	1831358.85	6455578.30	SWLK
915	1831370.86	6455584.29	SWLK
916	1831370.86	6455596.29	SWLK
917	1831380.75	6455572.31	SWLK
918	1831402.34	6455572.31	SWLK
919	1831398.89	6455602.29	SWLK

CURVE TABLE			
#	LENGTH	RADIUS	DELTA
C10	4.24'	3.00'	90°00'00"
C11	4.24'	3.00'	89°56'41"
C20	4.25'	3.00'	90°07'23"
C21	4.24'	3.00'	89°52'38"
C22	4.28'	3.01'	90°54'18"
C23	4.28'	3.01'	90°54'18"
C24	4.24'	3.00'	90°00'00"
C25	0.71'	0.50'	90°00'00"
C26	0.69'	0.50'	88°11'24"
C27	4.24'	3.00'	89°59'56"
C28	4.24'	3.00'	90°00'00"
C29	13.81'	12.00'	70°13'58"
C40	4.24'	3.00'	89°56'41"
C41	4.24'	3.00'	90°00'00"
C42	20.00'	10.00'	180°00'00"
C70	4.23'	3.00'	89°44'45"
C71	4.23'	3.00'	89°41'24"
C72	20.00'	10.00'	180°00'00"
C73	4.24'	3.00'	90°00'00"
C74	42.52'	41.95'	60°53'49"
C75	56.04'	42.00'	83°41'45"
C76	4.25'	3.01'	89°36'50"
C77	4.24'	3.00'	90°00'00"
C78	4.24'	3.00'	89°59'56"
C79	3.54'	2.50'	90°00'00"
C80	4.24'	3.00'	89°59'51"
C81	4.24'	3.00'	89°59'51"
C82	3.53'	2.50'	89°56'41"
C83	3.54'	2.50'	89°59'59"
C84	3.53'	2.50'	89°56'41"
C710	3.53'	2.50'	89°56'33"
C711	4.24'	3.00'	89°59'59"

LEGEND

BLDG	BUILDING
CACP	COLORED AC PAVEMENT
CONC	CONCRETE
CURB	TOP OF CURB
FNCE	FENCE POST
GATE	GATE POST
GD	GRATE DRAIN
GTTR	GUTTER
PLNT	PLANTER
RAMP	ADA SIDEWALK RAMP
SWLK	SIDEWALK
WALL	EXISTING WALL

THE CITY OF LOS ANGELES OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF ELECTRONIC COPIES OF THIS PLAN SHEET.

REVISION DATES: (DESIGN STAGE ONLY)

TEMPLATE SHEET REVISION DATE: 08/2014
REVISION DATE: 12/7/2016 6:36 PM
FILE: \\WRS318FS1\PROJECTS\85942\135-85942-1500\CAD\SHEETFILES\C-321_HORIZ CONTROL TABLES.DWG

BID SUBMITTAL - DATED DEC. 15, 2016

BUREAU OF ENGINEERING

ENGINEERING
CITY OF LOS ANGELES

NO.	REVISIONS:	DATE:	BY:

BUILDING NO. XX/XX

INDEX NO. - RP 300094

PROFESSIONAL ENGINEER — JOSEPH E. DIETZ — No. 67032 — REGISTERED — STATE OF CALIFORNIA — CIVIL

GARY LEE MOORE, PE, ENV SP — CITY ENGINEER — DATE:

ENGINEER: JOSEPH E. DIETZ — ARCHITECTURAL DIVISION — LIC. NO. 67032

DESIGNED BY: JS
DRAWN BY: JS
CHECKED BY: JD
APPROVED BY:

CITY OF LOS ANGELES — DEPARTMENT OF PUBLIC WORKS — BUREAU OF ENGINEERING

VERTICAL CONTROL:
HORIZONTAL CONTROL:

SHEET TITLE: HORIZONTAL CONTROL TABLES

PROJECT: RANCHO CIENEGA SPORTS COMPLEX

ADDRESS: 5001 RODEO ROAD
LOS ANGELES, CA 90016

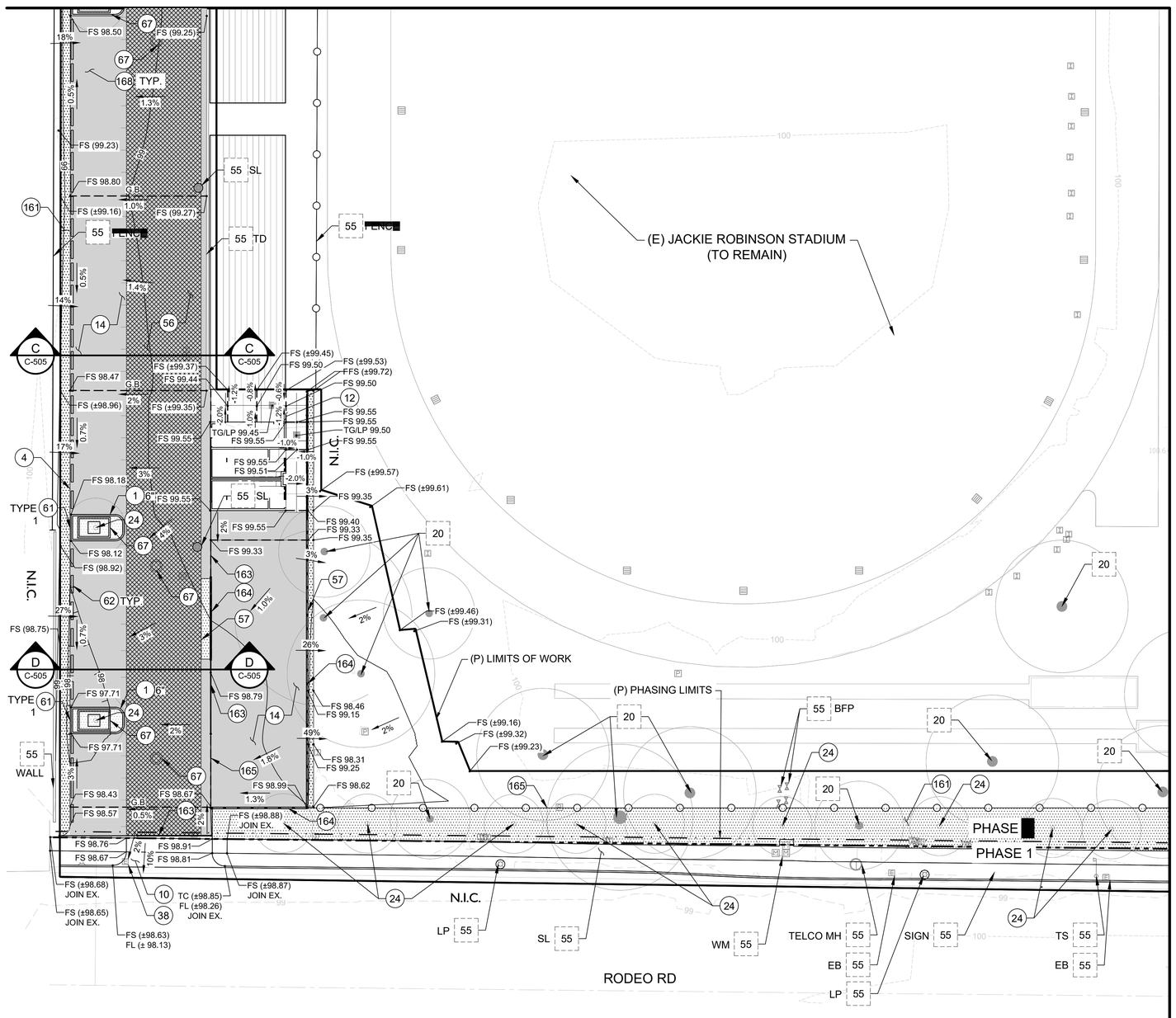
PLANS PREPARED BY:
TETRA TECH, INC.
3475 E. Foothill Blvd.
Pasadena, CA 91107
Phone: (626) 351-4664 Fax: (626) 351-5291

BUREAU OF ENGINEERING — OFFICIAL RECORD

WORK ORDER NO. E1907694
PLAN FILE NO.
DRAWING NO. C-321
SHEET OF SHEETS

PLOTTED: 12/13/2016 5:07 PM

MATCH LINE - SEE SHEET C-404



MATCH LINE - SEE SHEET C-402

ABBREVIATIONS:

BFP	BACKFLOW PREVENTER
BLDG	BUILDING
CATV PB	CATV PULLBOX
C&G	CURB & GUTTER
SS CO	SANITARY SEWER CLEANOUT
DW	DRIVEWAY
EB	ELECTRICAL PULLBOX
ELEC PANEL	ELECTRICAL PANEL
ELEC VLT	ELECTRICAL VLT
FL	FLOW LINE
FS	FINISHED SURFACE
GB	GRADE BREAK
GV	GAS VALVE
LP	LIGHT POLE
PP	POWER POLE
SD CB	STORM DRAIN CATCH BASIN
SD MH	STORM DRAIN MANHOLE
SL	STADIUM LIGHT
SS MH	SANITARY SEWER MANHOLE
SWLK	SIDEWALK
TB	TRAFFIC SIGNAL PULLBOX
TC	TOP OF CURB
TD	TRENCH DRAIN
TG	TOP OF GRATE
TS	TRAFFIC SIGNAL
TELCO MH	TELECOMMUNICATIONS MANHOLE
WV	WATER VALVE
WM	WATER METER

CONSTRUCTION NOTES:

CONSTRUCT — REMOVE & CONSTRUCT

REMOVE — WORK BY OTHERS

EXISTING-PROTECT IN PLACE

1. CONCRETE CURB PER STD S-410-2
4. CONCRETE GUTTER PER DETAIL 7, SHEET C-501
10. CONCRETE DRIVEWAY PER STD S-440-4
12. CONCRETE WALK PER LANDSCAPE PLANS
14. ASPHALT CONCRETE PAVEMENT PER DETAIL 1, SHEET C-501
20. EXISTING TREE PER LANDSCAPE PLANS
24. PLANT TREE PER LANDSCAPE PLANS
38. RELOCATE AND/OR ADJUST STREET LIGHTING PULL BOX TO GRADE
55. PROTECT IN PLACE
56. COLORED ASPHALT CONCRETE PAVEMENT PER DETAIL 3, SHEET C-501
57. REDWOOD HEADER PER DETAIL 2, SHEET C-501
61. BIOFILTRATION PLANTER BOX CURB OPENING PER DETAIL 1, SHEET C-502
62. CONCRETE WHEEL STOP PER DETAIL 2, SHEET C-502
67. STORM DRAINAGE STRUCTURE PER UTILITY PLANS
161. LANDSCAPING PER LANDSCAPE PLANS
163. GATE PER LANDSCAPE PLANS
164. GREEN SCREEN FENCE PER LANDSCAPE PLANS
165. CHAIN LINK FENCE PER LANDSCAPE PLANS
168. STANDARD PARKING STALL PER DETAIL 8, SHEET C-503

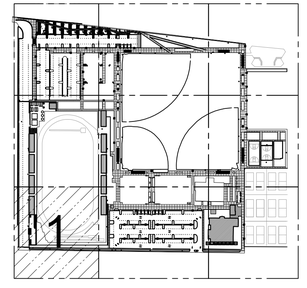
GRADING NOTES:

1. SEE LANDSCAPE PLANS FOR CONCRETE WALKWAY JOINTS, COLOR, AND FINISH.
2. SITE FURNISHINGS PER LANDSCAPE PLANS.
3. STORM DRAINAGE SYSTEM PER UTILITY PLANS
4. SEE LANDSCAPE PLANS FOR PROTECTION/RELOCATION OF EXISTING IRRIGATION VALVE BOXES

BUREAU OF ENGINEERING — OFFICIAL RECORD

LEGEND:

- AC PAVEMENT PER DETAIL 1, SHEET C-501
- CONCRETE WALK PER LANDSCAPE PLANS
- H-20 RATED CONCRETE WALK PER DETAIL 5, SHEET C-501
- LANDSCAPED AREA PER LANDSCAPE PLANS
- PLASTIC CELLULAR GRIDS WITH GRASS PER LANDSCAPE PLANS
- COLORED AC PAVEMENT PER DETAIL 3, SHEET C-501
- PHASING LIMITS
- SAWCUT
- PROPERTY LINE
- GB GRADE BREAK



0 10 20 40
SCALE: 20

PLANS PREPARED BY:
TETRA TECH, INC.
3475 E. Foothill Blvd.
Pasadena, CA 91107
Phone: (626) 351-4664 Fax: (626) 351-5291

BID SUBMITTAL - DATED DEC. 15, 2016

CITY OF LOS ANGELES — DEPARTMENT OF PUBLIC WORKS — BUREAU OF ENGINEERING

CITY ENGINEER: GARY LEE MOORE, PE, ENV SP
ENGINEER: JOSEPH E. DIETZ — LIC. NO. 67032 — ARCHITECTURAL DIVISION
DESIGNED BY: JS
DRAWN BY: JS
CHECKED BY: JD
APPROVED BY:
DATE:

REVISIONS: NO. | DATE | BY

BUILDING NO. XX/XX
INDEX NO. - RP 300094

MEGH STREED CHAWLA — No. 67032 — EXP: 12-31-18 — PROFESSIONAL ENGINEER — STATE OF CALIFORNIA

WORK ORDER NO. E1907694
PLAN FILE NO.
DRAWING NO. C-401
SHEET OF SHEETS

VERTICAL CONTROL:
HORIZONTAL CONTROL:
SHEET TITLE: PRECISE GRADING PLAN
PROJECT: RANCHO CIENEGA SPORTS COMPLEX
ADDRESS: 5001 RODEO ROAD LOS ANGELES, CA 90016

PLOTTED: 12/13/2016 3:49 PM

REVISION DATES (DESIGN STAGE ONLY)

TEMPLATE SHEET REVISION DATE: 08/2014
REVISION DATE: 12/12/2016 3:45 PM FILE: P:\85842\135-85842-15002\CAD\SHEETFILES\C-401_PRECISE GRADING PLAN.DWG

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MATCH LINE - SEE SHEET C-405

MATCH LINE - SEE SHEET C-401

MATCH LINE - SEE SHEET C-403

PROPOSED STADIUM OVERLOOK PER ARCHITECTURAL PLANS FF: 101.13

PROPOSED GYMNASIUM PER ARCHITECTURAL PLANS FF: 101.13

PROPOSED POOL BUILDING PER ARCHITECTURAL PLANS FF: 101.13

EX. CHILD CARE CENTER TO REMAIN

PHASE 1

PHASE 2

RODEO ROAD

N.I.C.

CONSTRUCTION NOTES:

- CONSTRUCT
- REMOVE & CONSTRUCT
- REMOVE
- WORK BY OTHERS
- EXISTING-PROTECT IN PLACE

1. CONCRETE CURB PER STD S-410-2
2. TYPE C INTEGRAL CURB AND GUTTER PER STD S-410-2
8. H-20 RATED CONCRETE WALK PER DETAIL 5, SHEET C-501
12. CONCRETE WALK PER LANDSCAPE PLANS
13. CURB RAMP PER STD S-442-3.
14. ASPHALT CONCRETE PAVEMENT PER DETAIL 1, SHEET C-501
17. ADJUST MANHOLE TO GRADE PER STD S-137-1
20. EXISTING TREE PER LANDSCAPE PLANS
24. PLANT TREE PER LANDSCAPE PLANS
38. RELOCATE AND/OR ADJUST STREET LIGHTING PULL BOX TO GRADE
46. RELOCATE AND/OR ADJUST WATER METER TO GRADE
49. RELOCATE AND/OR ADJUST GAS VALVE BOX TO GRADE
55. PROTECT IN PLACE
56. COLORED ASPHALT CONCRETE PAVEMENT PER DETAIL 3, SHEET C-501
60. CURB OPENING THROUGH PLANTER PER DETAIL 9, SHEET C-501
61. BIOFILTRATION PLANTER BOX CURB OPENING PER DETAIL 1, SHEET C-502
62. CONCRETE WHEEL STOP PER DETAIL 2, SHEET C-502
63. 0" CURB & DETECTABLE WARNING SURFACE PER DETAIL 3, SHEET C-502
64. CONCRETE STAIRWAY PER STD S-525-0
65. STAIRWAY HANDRAILS PER STD S-463-2
67. STORM DRAINAGE STRUCTURE PER UTILITY PLANS
68. LIGHT POLE FOUNDATION PER DETAIL 4, SHEET C-502
156. SITE FURNISHING PER LANDSCAPE PLANS
159. BOLLARD PER LANDSCAPE PLANS
161. LANDSCAPING PER LANDSCAPE PLANS
164. GREEN SCREEN FENCE PER LANDSCAPE PLANS
165. CHAIN LINK FENCE PER LANDSCAPE PLANS
167. TRANSFORMER PAD PER ELECTRICAL PLAN
168. STANDARD PARKING STALL PER DETAIL 8, SHEET C-503
169. ACCESSIBLE PARKING STALL PER DETAIL 4, SHEET C-503
170. PAVEMENT MARKING TYPE I PER DETAIL 9, SHEET C-503
171. PAVEMENT MARKING TYPE IV PER DETAIL 10, SHEET C-503

GRADING NOTES:

1. SEE LANDSCAPE PLANS FOR CONCRETE WALKWAY JOINTS, COLOR, AND FINISH.
2. SITE FURNISHINGS PER LANDSCAPE PLANS.
3. STORM DRAINAGE SYSTEM PER UTILITY PLANS
4. SEE LANDSCAPE PLANS FOR PROTECTION/RELOCATION OF EXISTING IRRIGATION VALVE BOXES

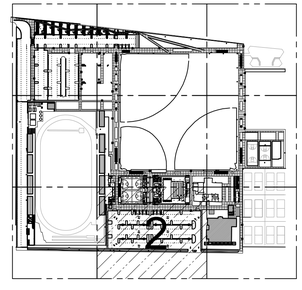
LEGEND:

- AC PAVEMENT PER DETAIL 1, SHEET C-501
- CONCRETE WALK PER LANDSCAPE PLANS
- H-20 RATED CONCRETE WALK PER DETAIL 5, SHEET C-501
- LANDSCAPED AREA PER LANDSCAPE PLANS
- PLASTIC CELLULAR GRIDS WITH GRASS PER LANDSCAPE PLANS
- COLORED AC PAVEMENT PER DETAIL 3, SHEET C-501
- PHASING LIMITS
- SAWCUT
- PROPERTY LINE
- GB GRADE BREAK

ABBREVIATIONS :

BFP	BACKFLOW PREVENTER
BLDG	BUILDING
CATV PB	CATV PULLBOX
C&G	CURB & GUTTER
SS CO	SANITARY SEWER CLEANOUT
DW	DRIVEWAY
EB	ELECTRICAL PULLBOX
ELEC PANEL	ELECTRICAL PANEL
ELEC VLT	ELECTRICAL VLT
FL	FLOW LINE
FS	FINISHED SURFACE
GB	GRADE BREAK
GV	GAS VALVE
LP	LIGHT POLE
PP	POWER POLE
SD CB	STORM DRAIN CATCH BASIN
SD MH	STORM DRAIN MANHOLE
SL	STADIUM LIGHT
SS MH	SANITARY SEWER MANHOLE
SWLK	SIDEWALK
TB	TRAFFIC SIGNAL PULLBOX
TC	TOP OF CURB
TD	TRENCH DRAIN
TG	TOP OF GRATE
TS	TRAFFIC SIGNAL
TELCO MH	TELECOMMUNICATIONS MANHOLE
WV	WATER VALVE
WM	WATER METER

BUREAU OF ENGINEERING OFFICIAL RECORD



SCALE: 20

PLANS PREPARED BY:
TETRA TECH, INC.
3475 E. Foothill Blvd.
Pasadena, CA 91107
Phone: (626) 351-4664 Fax: (626) 351-5291

BID SUBMITTAL - DATED DEC. 15, 2016

CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS BUREAU OF ENGINEERING

ENGINEERING
CITY OF LOS ANGELES

BUILDING NO. XX/XX

INDEX NO. - RP 300094

NO.	REVISIONS:	DATE:	BY:

GARY LEE MOORE, PE, ENV SP CITY ENGINEER
LIC. NO. 67032
ENGINEER: JOSEPH E. DIETZ
DESIGNED BY:
DRAWN BY:
CHECKED BY:
APPROVED BY:

ENGINEER: DATE:

VERTICAL CONTROL:
HORIZONTAL CONTROL:

SHEET TITLE: PRECISE GRADING PLAN

PROJECT: RANCHO CIENEGA SPORTS COMPLEX

ADDRESS: 5001 RODEO ROAD LOS ANGELES, CA 90016

WORK ORDER NO. E1907694

PLAN FILE NO.

DRAWING NO. C-402

SHEET OF SHEETS

PLOTTED: 12/13/2016 3:52 PM

REVISION DATES (DESIGN STAGE ONLY)

TEMPLATE SHEET REVISION DATE: 08/2014
REVISION DATE: 12/8/2016 10:45 AM FILE: P:\85842\138-85842-15002\CAD\SHEETFILES\C-402_PRECISE GRADING PLAN.DWG

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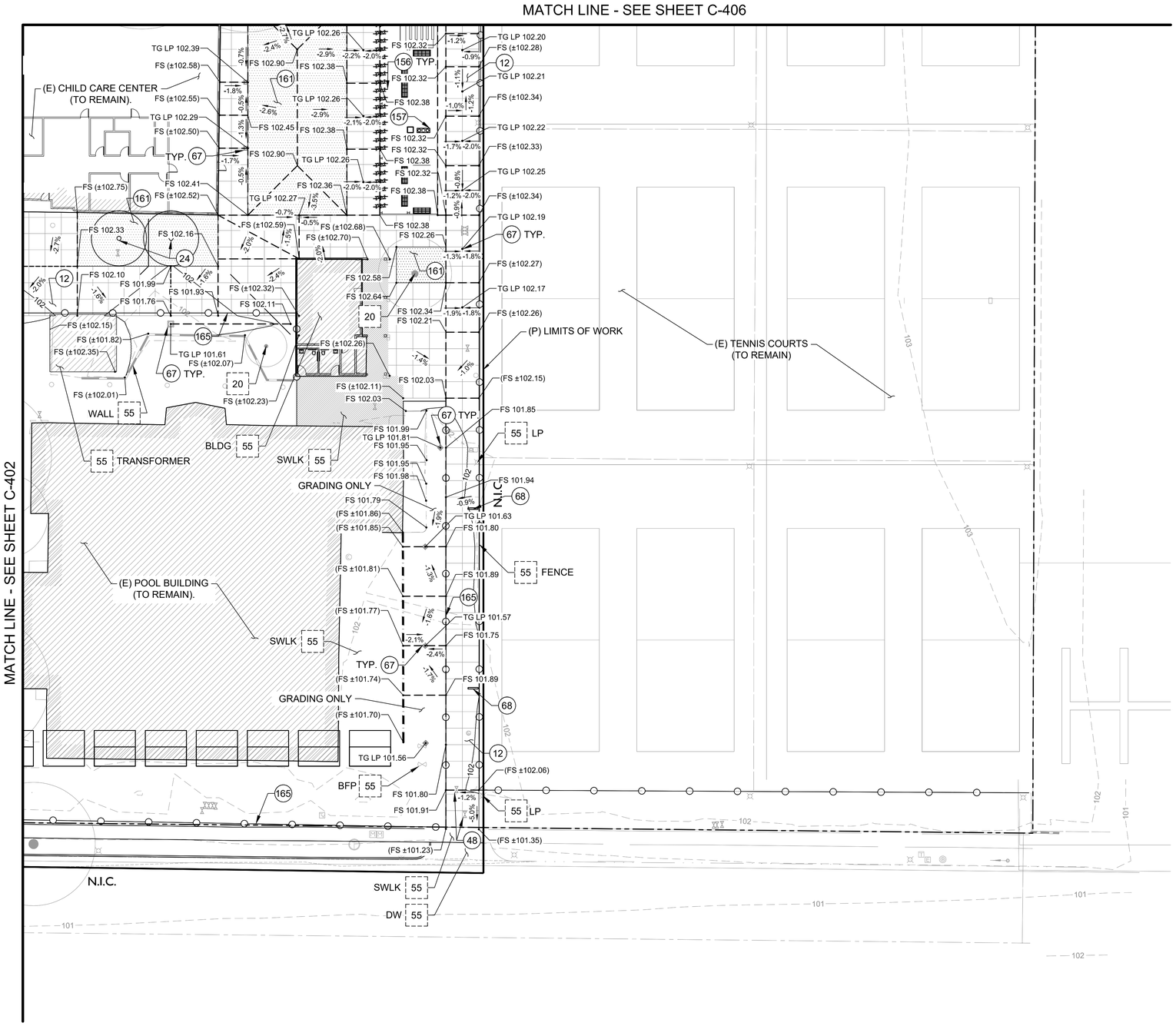

CONSTRUCTION NOTES:

CONSTRUCT — REMOVE & CONSTRUCT

REMOVE — WORK BY OTHERS

EXISTING-PROTECT IN PLACE

12. CONCRETE WALK PER LANDSCAPE PLANS
20. EXISTING TREE PER LANDSCAPE PLANS
24. PLANT TREE PER LANDSCAPE PLANS
48. RELOCATE AND/OR ADJUST WATER VALVE BOX TO GRADE
55. PROTECT IN PLACE
67. STORM DRAINAGE STRUCTURE PER UTILITY PLANS
68. LIGHT POLE FOUNDATION PER DETAIL 4, SHEET C-502
156. SITE FURNISHING PER LANDSCAPE PLANS
157. DRINKING FOUNTAIN PER LANDSCAPE PLANS
161. LANDSCAPING PER LANDSCAPE PLANS
165. CHAIN LINK FENCE PER LANDSCAPE PLANS

GRADING NOTES:

1. SEE LANDSCAPE PLANS FOR CONCRETE WALKWAY JOINTS, COLOR, AND FINISH.
2. SITE FURNISHINGS PER LANDSCAPE PLANS.
3. STORM DRAINAGE SYSTEM PER UTILITY PLANS
4. SEE LANDSCAPE PLANS FOR PROTECTION/RELOCATION OF EXISTING IRRIGATION VALVE BOXES

ABBREVIATIONS :

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LEGEND:

- AC PAVEMENT PER DETAIL 1, SHEET C-501
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- COLORED AC PAVEMENT PER DETAIL 3, SHEET C-501
- PHASING LIMITS
- SAWCUT
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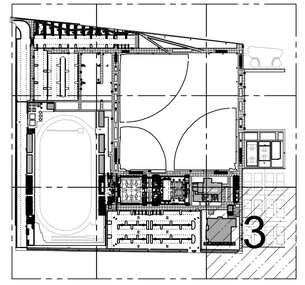

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SCALE: 20

PLANS PREPARED BY:
TETRA TECH, INC.
3475 E. Foothill Blvd.
Pasadena, CA 91107
Phone: (626) 351-4664 Fax: (626) 351-5291

BID SUBMITTAL - DATED DEC. 15, 2016
CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS
BUREAU OF ENGINEERING
CITY OF LOS ANGELES ENGINEERING

NO.	REVISIONS:	DATE:	BY:

BUILDING NO. XX/XX
INDEX NO. -
RP 300094

REGISTERED PROFESSIONAL ENGINEER — CHRISTOPHER E. DIETZ — No. 67032 — EXP: 3/31/18 — STATE OF CALIFORNIA

CITY ENGINEER
GARY LEE MOORE, PE, ENV SP
ARCHITECTURAL DIVISION
LIC. NO. 67032
DATE:
ENGINEER: JOSEPH E. DIETZ
DESIGNED BY:
DRAWN BY:
CHECKED BY:
APPROVED BY:

VERTICAL CONTROL:
HORIZONTAL CONTROL:
SHEET TITLE: PRECISE GRADING PLAN
PROJECT: RANCHO CIENEGA SPORTS COMPLEX
ADDRESS: 5001 RODEO ROAD LOS ANGELES, CA 90016

WORK ORDER NO. E1907694
PLAN FILE NO.
DRAWING NO. C-403
SHEET OF SHEETS

REVISION DATES (DESIGN STAGE ONLY)

THE CITY OF LOS ANGELES OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF ELECTRONIC COPIES OF THIS PLAN SHEET.

TEMPLATE SHEET REVISION DATE: 08/2014
REVISION DATE: 12/12/2016 5:37 PM FILE: P:\8942\135-8942-15002\CAD\SHEETFILES\C-403_PRECISE GRADING PLAN.DWG
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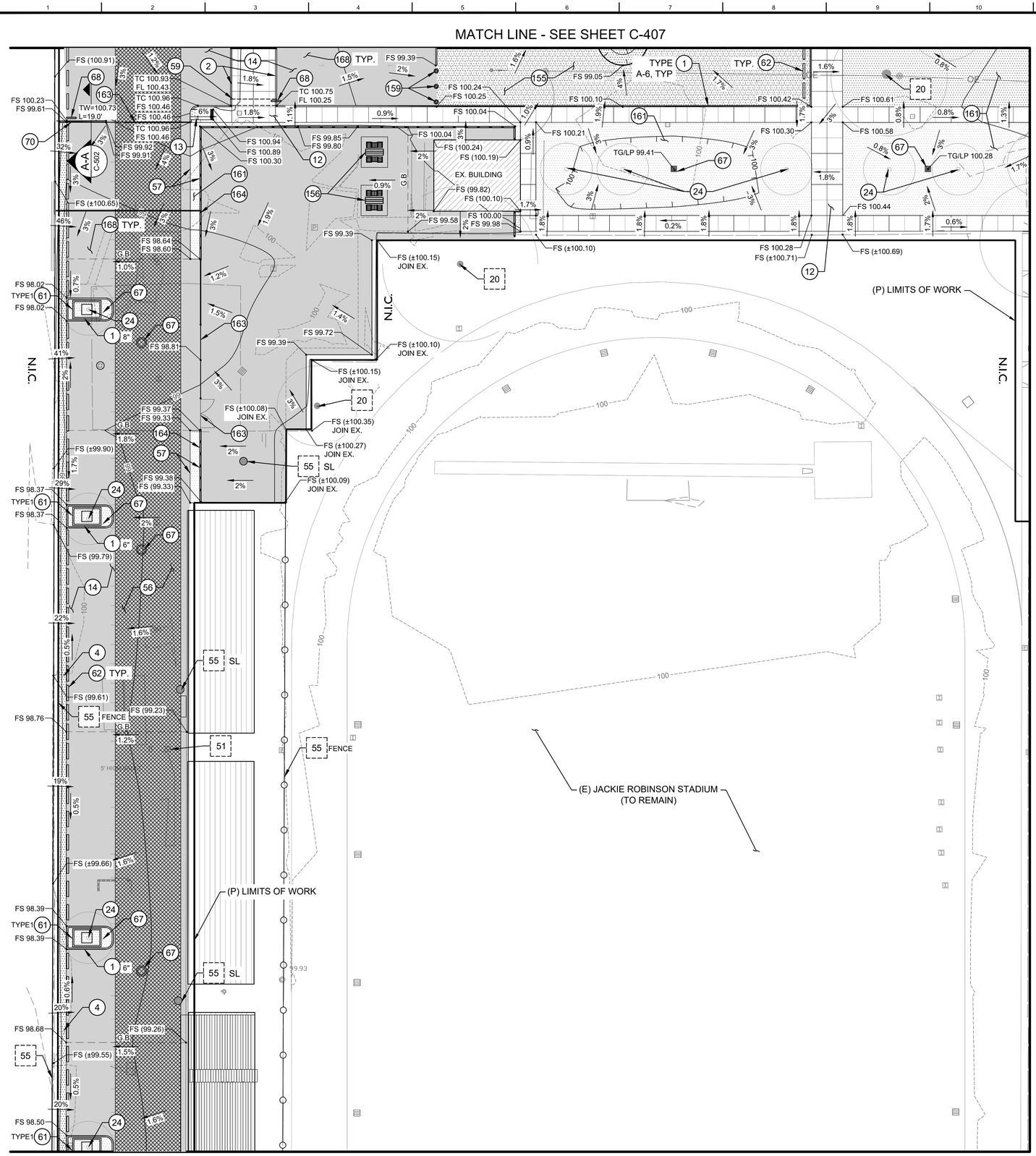

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LEGEND:

- AC PAVEMENT PER DETAIL 1, SHEET C-501
- CONCRETE WALK PER LANDSCAPE PLANS
- H-20 RATED CONCRETE WALK PER DETAIL 5, SHEET C-501
- LANDSCAPED AREA PER LANDSCAPE PLANS
- PLASTIC CELLULAR GRIDS WITH GRASS PER LANDSCAPE PLANS
- COLORED AC PAVEMENT PER DETAIL 3, SHEET C-501
- PHASING LIMITS
- SAWCUT
- PROPERTY LINE
- GRADE BREAK

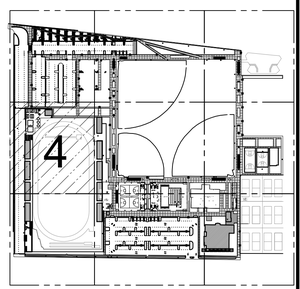
CONSTRUCTION NOTES:

- CONSTRUCT
- REMOVE & CONSTRUCT
- REMOVE
- WORK BY OTHERS
- EXISTING-PROTECT IN PLACE

1. CONCRETE CURB PER STD S-410-2
2. TYPE C INTEGRAL CURB AND GUTTER PER STD S-410-2
4. CONCRETE GUTTER PER DETAIL 7, SHEET C-501
12. CONCRETE WALK PER LANDSCAPE PLANS
13. CURB RAMP PER STD S-442-3.
14. ASPHALT CONCRETE PAVEMENT PER DETAIL 1, SHEET C-501
17. ADJUST MANHOLE TO GRADE PER STD S-137-1
20. EXISTING TREE PER LANDSCAPE PLANS
24. PLANT TREE PER LANDSCAPE PLANS
51. RELOCATE AND/OR ADJUST ELECTRICAL PULL BOX TO GRADE
55. PROTECT IN PLACE
56. COLORED ASPHALT CONCRETE PAVEMENT PER DETAIL 3, SHEET C-501
57. REDWOOD HEADER PER DETAIL 2, SHEET C-501
59. PARKWAY DRAIN PER SPPWC STD PLAN 151-2
61. BIOFILTRATION PLANTER BOX CURB OPENING PER DETAIL 1, SHEET C-502
62. CONCRETE WHEEL STOP PER DETAIL 2, SHEET C-502
66. BIOFILTRATION AREA PER UTILITY PLANS
67. STORM DRAINAGE STRUCTURE PER UTILITY PLANS
68. LIGHT POLE FOUNDATION PER DETAIL 4, SHEET C-502
70. RETAINING WALL PER DETAIL 5, SHEET C-502
155. PLASTIC CELLULAR GRIDS WITH GRASS PER LANDSCAPE PLANS
156. SITE FURNISHING PER LANDSCAPE PLANS
159. BOLLARD PER LANDSCAPE PLANS
161. LANDSCAPING PER LANDSCAPE PLANS
163. GATE PER LANDSCAPE PLANS
164. GREEN SCREEN FENCE PER LANDSCAPE PLANS
165. CHAIN LINK FENCE PER LANDSCAPE PLANS
166. PAVEMENT MARKING PER LANDSCAPE PLANS
168. STANDARD PARKING STALL PER DETAIL 8, SHEET C-503

GRADING NOTES:

1. SEE LANDSCAPE PLANS FOR CONCRETE WALKWAY JOINTS, COLOR, AND FINISH.
2. SITE FURNISHINGS PER LANDSCAPE PLANS.
3. STORM DRAINAGE SYSTEM PER UTILITY PLANS
4. SEE LANDSCAPE PLANS FOR PROTECTION/RELOCATION OF EXISTING IRRIGATION VALVE BOXES



SCALE: 20

BUREAU OF ENGINEERING
OFFICIAL RECORD

PLANS PREPARED BY:
TETRA TECH, INC.
3475 E. Foothill Blvd.
Pasadena, CA 91107
Phone: (626) 351-4664 Fax: (626) 351-5291

BID SUBMITTAL - DATED DEC. 15, 2016

CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS BUREAU OF ENGINEERING

ENGINEERING
CITY OF LOS ANGELES

BUILDING NO. XXXX

INDEX NO. - RP 300094

NO.	REVISIONS:	DATE:	BY:

GARY LEE MOORE, PE, ENV SP CITY ENGINEER
ARCHITECTURAL DIVISION LIC. NO. 67032
ENGINEER: JOSEPH E. DIETZ
DESIGNED BY:
DRAWN BY:
CHECKED BY:
APPROVED BY:

REGISTERED PROFESSIONAL ENGINEER JOSEPH E. DIETZ No. 67032 Exp. 9-30-18 CIVIL STATE OF CALIFORNIA

CITY OF LOS ANGELES
VERTICAL CONTROL:
HORIZONTAL CONTROL:
SHEET TITLE: PRECISE GRADING PLAN
PROJECT: RANCHO CIENEGA SPORTS COMPLEX
ADDRESS: 5001 RODEO ROAD LOS ANGELES, CA 90016

WORK ORDER NO. E1907694
PLAN FILE NO.
DRAWING NO. C-404
SHEET OF SHEETS

PLOTTED: 12/13/2016 4:00 PM

REVISION DATES (DESIGN STAGE ONLY)

TEMPLATE SHEET REVISION DATE: 08/2014
REVISION DATE: 12/13/2016 3:18 PM
FILE: P:\85842\135-85842-15002\CAD\SHEETFILES\C-404_PRECISE GRADING PLAN.DWG

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MATCH LINE - SEE SHEET C-408

MATCH LINE - SEE SHEET C-404

MATCH LINE - SEE SHEET C-406

MATCH LINE - SEE SHEET C-402

EX. BUILDING

TYP. (161) FENCE 55

(P) LIMITS OF WORK

TYP. (161) LIMIT OF WORK, PHASE 1

PHASE 1

PHASE 2

55 FENCE

FENCE 55

(E) BASEBALL FIELDS (TO REMAIN)

(P) PHASING LIMITS

PROPOSED STADIUM OVERLOOK PER ARCHITECTURAL PLANS FF: 101.13

PROPOSED GYMNASIUM PER ARCHITECTURAL PLANS FF: 101.13

PROPOSED POOL BUILDING PER ARCHITECTURAL PLANS FF: 101.13

(E) CHILD CARE CENTER (TO REMAIN)

SCALE: 20

LEGEND:

- AC PAVEMENT PER DETAIL 1, SHEET C-501
- CONCRETE WALK PER LANDSCAPE PLANS
- H-20 RATED CONCRETE WALK PER DETAIL 5, SHEET C-501
- LANDSCAPED AREA PER LANDSCAPE PLANS
- PLASTIC CELLULAR GRIDS WITH GRASS PER LANDSCAPE PLANS
- COLORED AC PAVEMENT PER DETAIL 3, SHEET C-501
- PHASING LIMITS
- SAWCUT
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ABBREVIATIONS:

BFP	BACKFLOW PREVENTER
BLDG	BUILDING
CATV PB	CATV PULLBOX
C&G	CURB & GUTTER
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DW	DRIVEWAY
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FL	FLOW LINE
FS	FINISHED SURFACE
GB	GRADE BREAK
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TD	TRENCH DRAIN
TG	TOP OF GRATE
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CONSTRUCTION NOTES:

- CONSTRUCT
- REMOVE
- EXISTING-PROTECT IN PLACE
- REMOVE & CONSTRUCT
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8. H-20 RATED CONCRETE WALK PER DETAIL 5, SHEET C-501
12. CONCRETE WALK PER LANDSCAPE PLANS
20. EXISTING TREE PER LANDSCAPE PLANS
24. PLANT TREE PER LANDSCAPE PLANS
50. RELOCATE LIGHTING PANEL PER ELECTRICAL PLANS
55. PROTECT IN PLACE
66. BIOFILTRATION AREA PER UTILITY PLANS
67. STORM DRAINAGE STRUCTURE PER UTILITY PLANS
68. LIGHT POLE FOUNDATION PER DETAIL 4, SHEET C-502
69. REINSTALL SALVAGED BLEACHER PER LANDSCAPE PLANS
156. SITE FURNISHING PER LANDSCAPE PLANS
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GRADING NOTES:

1. SEE LANDSCAPE PLANS FOR CONCRETE WALKWAY JOINTS, COLOR, AND FINISH.
2. SITE FURNISHINGS PER LANDSCAPE PLANS.
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BUREAU OF ENGINEERING OFFICIAL RECORD

BID SUBMITTAL - DATED DEC. 15, 2016

CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS BUREAU OF ENGINEERING

ENGINEERING CITY OF LOS ANGELES

NO.	REVISIONS:	DATE	BY

BUILDING NO. XX/XX

INDEX NO. - RP 300094

GARY LEE MOORE, PE, ENV SP CITY ENGINEER
LIC. NO. 67032
DATE:

ARCHITECTURAL DIVISION
ENGINEER: JOSEPH E. DIETZ
DESIGNED BY:
DRAWN BY:
CHECKED BY:
APPROVED BY:

PROFESSIONAL CIVIL ENGINEER JOSEPH E. DIETZ No. 67032 EXP: 9/30/18 STATE OF CALIFORNIA

VERTICAL CONTROL:
HORIZONTAL CONTROL:

SHEET TITLE: PRECISE GRADING PLAN

PROJECT: RANCHO CIENEGA SPORTS COMPLEX

ADDRESS: 5001 RODEO ROAD LOS ANGELES, CA 90016

PLANS PREPARED BY:
TETRA TECH, INC.
3475 E. Foothill Blvd.
Pasadena, CA 91107
Phone: (626) 351-4664 Fax: (626) 351-5291

WORK ORDER NO. E1907694
PLAN FILE NO.
DRAWING NO. C-405
SHEET OF SHEETS

PLOTTED: 12/13/2016 4:03 PM

REVISION DATES: (DESIGN STAGE ONLY)

REVISION DATE: 12/13/2016 9:16 AM FILE: P:\85842\135-85842-15002\CAD\SHEETFILES\C-405_PRECISE GRADING PLAN.DWG

TEMPLATE SHEET REVISION DATE: 08/2014

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MATCH LINE - SEE SHEET C-409

MATCH LINE - SEE SHEET C-405

MATCH LINE - SEE SHEET C-403

(E) BASEBALL FIELDS (TO REMAIN)

(E) SOCCER FIELD (TO REMAIN)

(E) BASKETBALL COURTS (TO REMAIN)

(E) TENNIS COURTS (TO REMAIN)

(E) CHILD CARE CENTER (TO REMAIN)

(P) LIMITS OF WORK

(P) PHASING LIMITS

PHASE 1

PHASE 2

FENCE

ELEC PANEL

SL

LP

TYP.

N.I.C.

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GRADING NOTES:

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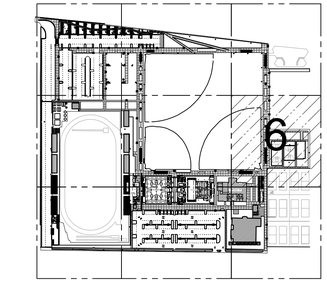

0 10 20 40
SCALE: 20

BUREAU OF ENGINEERING OFFICIAL RECORD

PLANS PREPARED BY:
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CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS
BUREAU OF ENGINEERING

ENGINEERING
CITY OF LOS ANGELES

BUILDING NO. XX/XX

INDEX NO. - RP 300094

NO.	REVISIONS:	DATE:	BY:

GARY LEE MOORE, PE, ENV SP CITY ENGINEER
ARCHITECTURAL DIVISION LIC. NO. 67032 DATE:
ENGINEER: JOSEPH E. DIETZ
DESIGNED BY: JS
DRAWN BY: JS
CHECKED BY: JD
APPROVED BY:

VERTICAL CONTROL:
HORIZONTAL CONTROL:
SHEET TITLE: PRECISE GRADING PLAN
PROJECT: RANCHO CIENEGA SPORTS COMPLEX
ADDRESS: 5001 RODEO ROAD LOS ANGELES, CA 90016

WORK ORDER NO. E1907694
PLAN FILE NO.
DRAWING NO. C-406
SHEET OF SHEETS

REVISION DATES (DESIGN STAGE ONLY)

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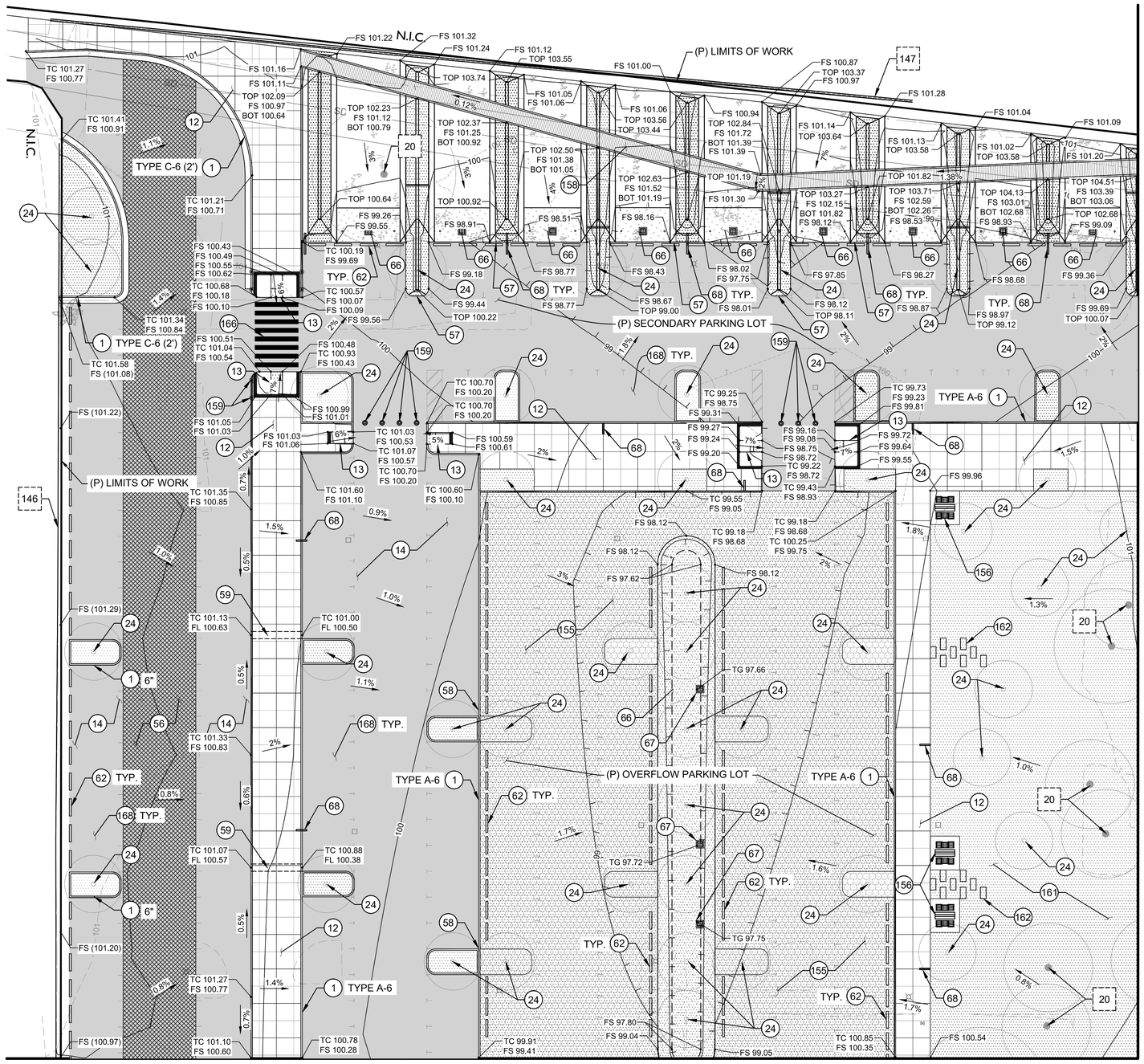
REVISION DATE: 12/13/2016 1:34 PM FILE: P:\8842\135-8842-15002\CAD\SHEETFILES\C-406_PRECISE GRADING PLAN.DWG

PLOTTED: 12/13/2016 4:06 PM



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PP	POWER POLE
SD CB	STORM DRAIN CATCH BASIN
SD MH	STORM DRAIN MANHOLE
SL	STADIUM LIGHT
SS MH	SANITARY SEWER MANHOLE
SWLK	SIDEWALK
TB	TRAFFIC SIGNAL PULLBOX
TC	TOP OF CURB
TD	TRENCH DRAIN
TG	TOP OF GRATE
TS	TRAFFIC SIGNAL
TELCO MH	TELECOMMUNICATIONS MANHOLE
WV	WATER VALVE
WM	WATER METER

CONSTRUCTION NOTES:

CONSTRUCT — REMOVE & CONSTRUCT

REMOVE — WORK BY OTHERS

EXISTING-PROTECT IN PLACE

1. CONCRETE CURB PER STD S-410-2
2. TYPE C INTEGRAL CURB AND GUTTER PER STD S-410-2
12. CONCRETE WALK PER LANDSCAPE PLANS
13. CURB RAMP PER STD S-442-3.
14. ASPHALT CONCRETE PAVEMENT PER DETAIL 1, SHEET C-501
20. EXISTING TREE PER LANDSCAPE PLANS
24. PLANT TREE PER LANDSCAPE PLANS
48. RELOCATE AND/OR ADJUST WATER VALVE BOX TO GRADE
55. PROTECT IN PLACE
56. COLORED ASPHALT CONCRETE PAVEMENT PER DETAIL 3, SHEET C-501
57. REDWOOD HEADER PER DETAIL 2, SHEET C-501
58. CURB OPENING PER DETAIL 8, SHEET C-501
59. PARKWAY DRAIN PER SPPWC STD PLAN 151-2
62. CONCRETE WHEEL STOP PER DETAIL 2, SHEET C-502
66. BIOFILTRATION AREA PER UTILITY PLANS
68. LIGHT POLE FOUNDATION PER DETAIL 4, SHEET C-502
155. PLASTIC CELLULAR GRIDS WITH GRASS PER LANDSCAPE PLANS
156. SITE FURNISHING PER LANDSCAPE PLANS
157. DRINKING FOUNTAIN PER LANDSCAPE PLANS
158. BOARDWALK PER LANDSCAPE PLANS
159. BOLLARD PER LANDSCAPE PLANS
161. LANDSCAPING PER LANDSCAPE PLANS
162. CONCRETE PAVERS PER LANDSCAPE PLANS
166. PAVEMENT MARKING PER LANDSCAPE PLANS
168. STANDARD PARKING STALL PER DETAIL 8, SHEET C-503
172. 4" WHITE LINE DIAGONALS AT 45° AT 3'-0" MAX. CENTERS.

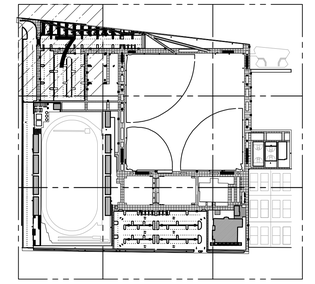
GRADING NOTES:

1. SEE LANDSCAPE PLANS FOR CONCRETE WALKWAY JOINTS, COLOR, AND FINISH.
2. SITE FURNISHINGS PER LANDSCAPE PLANS.
3. STORM DRAINAGE SYSTEM PER UTILITY PLANS
4. SEE LANDSCAPE PLANS FOR PROTECTION/RELOCATION OF EXISTING IRRIGATION VALVE BOXES

LEGEND:

- AC PAVEMENT PER DETAIL 1, SHEET C-501
- CONCRETE WALK PER LANDSCAPE PLANS
- H-20 RATED CONCRETE WALK PER DETAIL 5, SHEET C-501
- LANDSCAPED AREA PER LANDSCAPE PLANS
- PLASTIC CELLULAR GRIDS WITH GRASS PER LANDSCAPE PLANS
- COLORED AC PAVEMENT PER DETAIL 3, SHEET C-501
- PHASING LIMITS
- SAWCUT
- PROPERTY LINE
- GB GRADE BREAK

BUREAU OF ENGINEERING OFFICIAL RECORD



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SCALE: 20

PLANS PREPARED BY:
TETRA TECH, INC.
3475 E. Foothill Blvd.
Pasadena, CA 91107
Phone: (626) 351-4664 Fax: (626) 351-5291

BID SUBMITTAL - DATED DEC. 15, 2016

CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS BUREAU OF ENGINEERING

ENGINEERING
CITY OF LOS ANGELES

BUILDING NO. XX/XX

INDEX NO. -

RP 300094

REGISTERED PROFESSIONAL ENGINEER — No. 67032 — CIVIL — STATE OF CALIFORNIA

NO.	REVISIONS:	DATE:	BY:
1			
2			
3			
4			

VERTICAL CONTROL:
HORIZONTAL CONTROL:
SHEET TITLE: PRECISE GRADING PLAN
PROJECT: RANCHO CIENEGA SPORTS COMPLEX
ADDRESS: 5001 RODEO ROAD LOS ANGELES, CA 90016

GARY LEE MOORE, PE, ENV SP CITY ENGINEER — DATE:
LIC. NO. 67032
ARCHITECTURAL DIVISION
ENGINEER: JOSEPH E. DIETZ
DESIGNED BY: JS
DRAWN BY: JS
CHECKED BY: JD
APPROVED BY:

WORK ORDER NO. E1907694
PLAN FILE NO.
DRAWING NO. C-407
SHEET SHEETS OF

REVISION DATES (DESIGN STAGE ONLY)

THE CITY OF LOS ANGELES OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF ELECTRONIC COPIES OF THIS PLAN SHEET.

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REVISION DATE: 12/13/2016 12:38 PM FILE: P:\88420135-88942-15002\CAD\SHEETFILES\C-407_PRECISE GRADING PLAN.DWG
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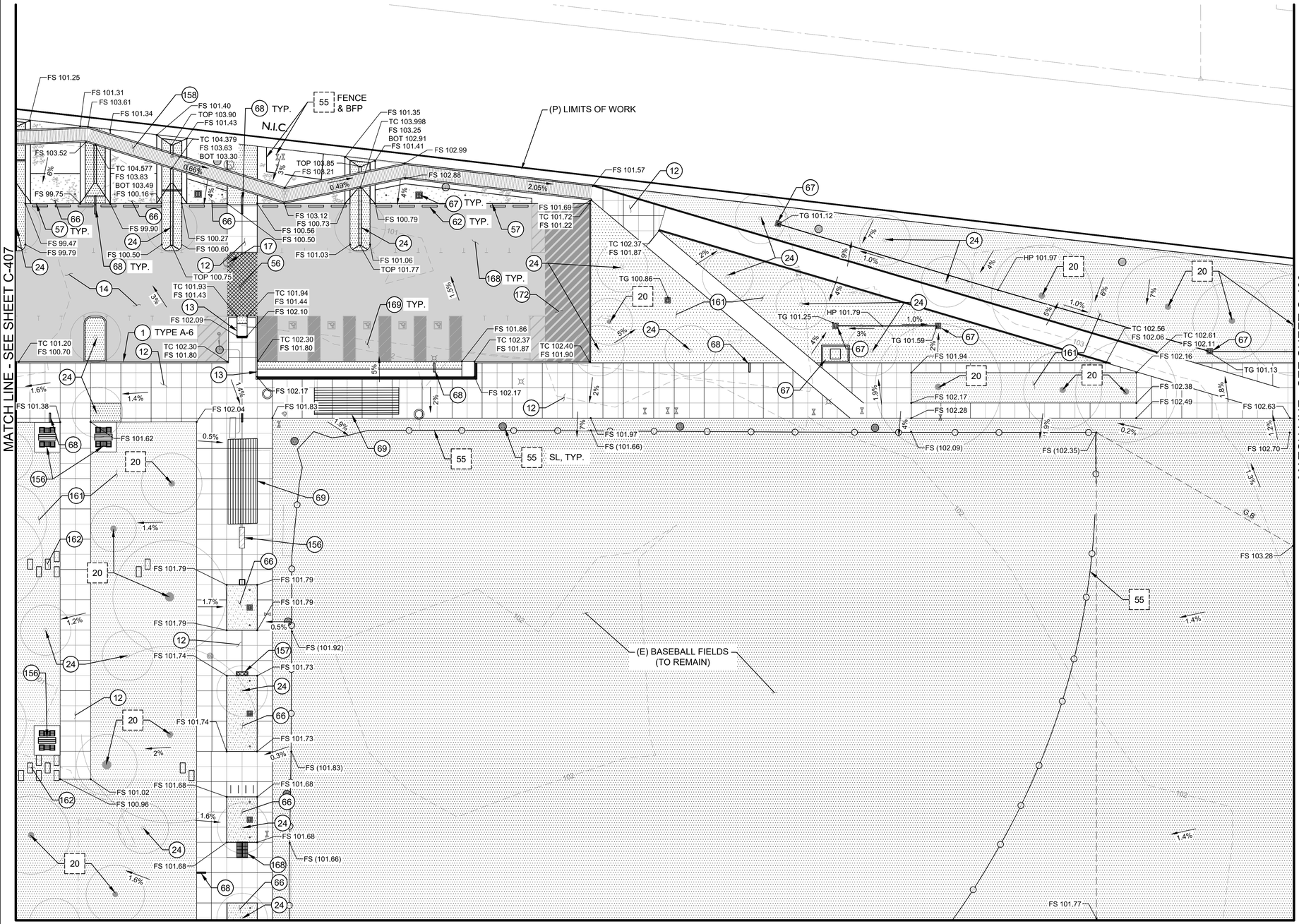

MATCH LINE - SEE SHEET C-405

ABBREVIATIONS:

BFP	BACKFLOW PREVENTER
BLDG	BUILDING
CATV PB	CATV PULLBOX
C&G	CURB & GUTTER
SS CO	SANITARY SEWER CLEANOUT
DW	DRIVEWAY
EB	ELECTRICAL PULLBOX
ELEC PANEL	ELECTRICAL PANEL
ELEC VLT	ELECTRICAL VLT
FL	FLOW LINE
FS	FINISHED SURFACE
GB	GRADE BREAK
GV	GAS VALVE
LP	LIGHT POLE
PP	POWER POLE
SD CB	STORM DRAIN CATCH BASIN
SD MH	STORM DRAIN MANHOLE
SL	STADIUM LIGHT
SS MH	SANITARY SEWER MANHOLE
SWLK	SIDEWALK
TB	TRAFFIC SIGNAL PULLBOX
TC	TOP OF CURB
TD	TRENCH DRAIN
TG	TOP OF GRATE
TS	TRAFFIC SIGNAL
TELCO MH	TELECOMMUNICATIONS MANHOLE
WV	WATER VALVE
WM	WATER METER

CONSTRUCTION NOTES:

CONSTRUCT — REMOVE & CONSTRUCT

REMOVE — WORK BY OTHERS

EXISTING-PROTECT IN PLACE

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2. TYPE C INTEGRAL CURB AND GUTTER PER STD S-410-2
12. CONCRETE WALK PER LANDSCAPE PLANS
13. CURB RAMP PER STD S-442-3.
14. ASPHALT CONCRETE PAVEMENT PER DETAIL 1, SHEET C-501
17. ADJUST MANHOLE TO GRADE PER STD S-137-1
20. EXISTING TREE PER LANDSCAPE PLANS
24. PLANT TREE PER LANDSCAPE PLANS
48. RELOCATE AND/OR ADJUST WATER VALVE BOX TO GRADE
55. PROTECT IN PLACE
56. COLORED ASPHALT CONCRETE PAVEMENT PER DETAIL 3, SHEET C-501
57. REDWOOD HEADER PER DETAIL 2, SHEET C-501
62. CONCRETE WHEEL STOP PER DETAIL 2, SHEET C-502
66. BIOFILTRATION AREA PER UTILITY PLANS
67. STORM DRAINAGE STRUCTURE PER UTILITY PLANS
68. LIGHT POLE FOUNDATION PER DETAIL 4, SHEET C-502
69. REINSTALL SALVAGED BLEACHER PER LANDSCAPE PLANS
156. SITE FURNISHING PER LANDSCAPE PLANS
157. DRINKING FOUNTAIN PER LANDSCAPE PLANS
158. BOARDWALK PER LANDSCAPE PLANS
161. LANDSCAPING PER LANDSCAPE PLANS
162. CONCRETE PAVERS PER LANDSCAPE PLANS
166. PAVEMENT MARKING PER LANDSCAPE PLANS
168. STANDARD PARKING STALL PER DETAIL 8, SHEET C-503
169. ACCESSIBLE PARKING STALL PER DETAIL 4, SHEET C-503
172. 4" WHITE LINE DIAGONALS AT 45° AT 3'-0" MAX. CENTERS.

LEGEND:

- AC PAVEMENT PER DETAIL 1, SHEET C-501
- CONCRETE WALK PER LANDSCAPE PLANS
- H-20 RATED CONCRETE WALK PER DETAIL 5, SHEET C-501
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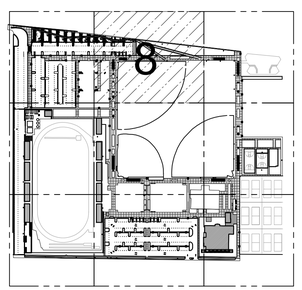
- PLASTIC CELLULAR GRIDS WITH GRASS PER LANDSCAPE PLANS
- COLORED AC PAVEMENT PER DETAIL 3, SHEET C-501
- PHASING LIMITS
- SAWCUT
- PROPERTY LINE
- GB GRADE BREAK
- SWALE FLOW LINE

GRADING NOTES:

1. SEE LANDSCAPE PLANS FOR CONCRETE WALKWAY JOINTS, COLOR, AND FINISH.
2. SITE FURNISHINGS PER LANDSCAPE PLANS.
3. STORM DRAINAGE SYSTEM PER UTILITY PLANS
4. SEE LANDSCAPE PLANS FOR PROTECTION/RELOCATION OF EXISTING IRRIGATION VALVE BOXES



0 10 20 40
SCALE: 20

BUREAU OF ENGINEERING
OFFICIAL RECORD

PLANS PREPARED BY:
TETRA TECH, INC.
3475 E. Foothill Blvd.
Pasadena, CA 91107
Phone: (626) 351-4664 Fax: (626) 351-5291

BID SUBMITTAL - DATED DEC. 15, 2016

CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS
BUREAU OF ENGINEERING

ENGINEERING
CITY OF LOS ANGELES

BUILDING NO. XX/XX
INDEX NO. -
RP 300094

REVISIONS: NO. | DATE: | BY:

GARY LEE MOORE, PE, ENV SP CITY ENGINEER
DATE:
LIC. NO. 67032
ARCHITECTURAL DIVISION
ENGINEER: JOSEPH E. DIETZ
DESIGNED BY: JS
DRAWN BY: JS
CHECKED BY: JD
APPROVED BY:

VERTICAL CONTROL:
HORIZONTAL CONTROL:
SHEET TITLE: PRECISE GRADING PLAN
PROJECT: RANCHO CIENEGA SPORTS COMPLEX
ADDRESS: 5001 RODEO ROAD LOS ANGELES, CA 90016

WORK ORDER NO. E1907694
PLAN FILE NO.
DRAWING NO. C-408
SHEET OF SHEETS

REVISION DATES (DESIGN STAGE ONLY)

TEMPLATE SHEET REVISION DATE: 05/2014
REVISION DATE: 12/13/2016 1:00 PM
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THE CITY OF LOS ANGELES OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF ELECTRONIC COPIES OF THIS PLAN SHEET.

LEGEND:

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- CONCRETE WALK PER LANDSCAPE PLANS
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CONSTRUCTION NOTES:

- CONSTRUCT
- REMOVE & CONSTRUCT
- REMOVE
- WORK BY OTHERS (NOT IN CONTRACT)
- EXISTING-PROTECT IN PLACE

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17. ADJUST MANHOLE TO GRADE PER STD S-137-1
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161. LANDSCAPING PER LANDSCAPE PLANS

GRADING NOTES:

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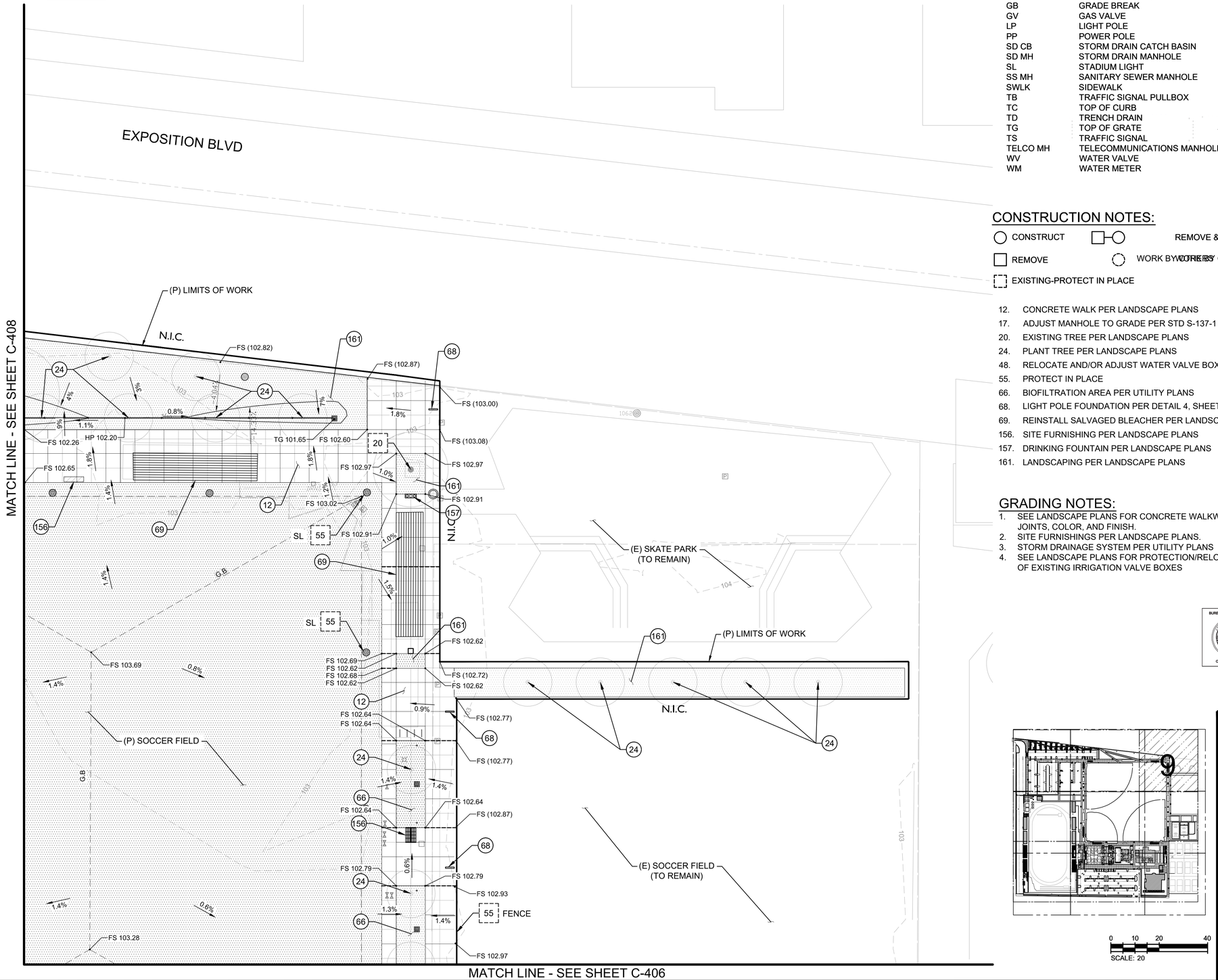
3. STORM DRAINAGE SYSTEM PER UTILITY PLANS
4. SEE LANDSCAPE PLANS FOR PROTECTION/RELOCATION OF EXISTING IRRIGATION VALVE BOXES



SCALE: 20

PLANS PREPARED BY:
TETRA TECH, INC.
3475 E. Foothill Blvd.
Pasadena, CA 91107
Phone: (626) 351-4664 Fax: (626) 351-5291

BID SUBMITTAL - DATED DEC. 15, 2016

CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS

BUREAU OF ENGINEERING

ENGINEERING
CITY OF LOS ANGELES

NO.	REVISIONS:	DATE:	BY:

BUILDING NO. XX/XX

INDEX NO. - RP 300094

GARY LEE MOORE, PE, ENV SP CITY ENGINEER
ARCHITECTURAL DIVISION LIC. NO. 67032
ENGINEER: JOSEPH E. DIETZ
DESIGNED BY: JS
DRAWN BY: JS
CHECKED BY: JD
APPROVED BY:

REGISTERED PROFESSIONAL ENGINEER JOSEPH E. DIETZ No. 67032 CIVIL STATE OF CALIFORNIA

VERTICAL CONTROL:
HORIZONTAL CONTROL:

SHEET TITLE: PRECISE GRADING PLAN

PROJECT: RANCHO CIENEGA SPORTS COMPLEX

ADDRESS: 5001 RODEO ROAD
LOS ANGELES, CA 90016

WORK ORDER NO. E1907694
PLAN FILE NO.
DRAWING NO. C-409
SHEET OF SHEETS

OFFICIAL RECORD

REVISION DATES (DESIGN STAGE ONLY)

THE CITY OF LOS ANGELES OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF ELECTRONIC COPIES OF THIS PLAN SHEET.

TEMPLATE SHEET REVISION DATE: 05/2014
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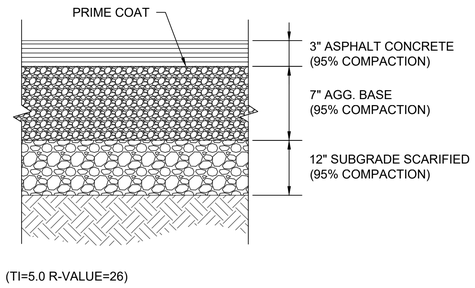

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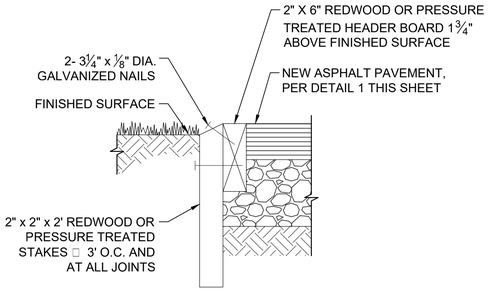
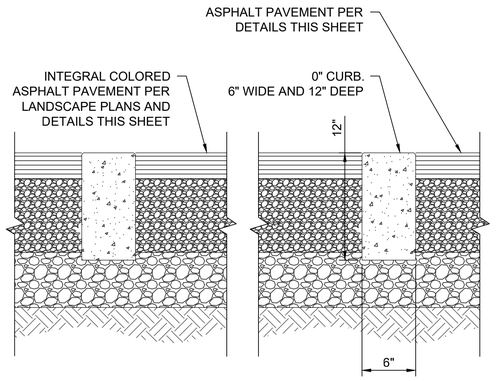
1 ASPHALT CONCRETE PAVEMENT

NTS REFERENCE SHEET C-XXX



2 HEADER BOARD

NTS REFERENCE SHEET C-XXX



3 INTEGRAL COLORED AC PAVEMENT

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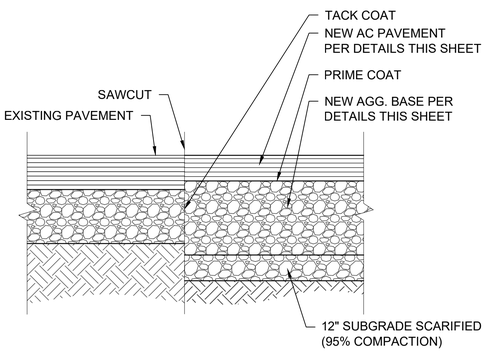

4 JUNCTURE NEW PVMT. & EX. PVMT.

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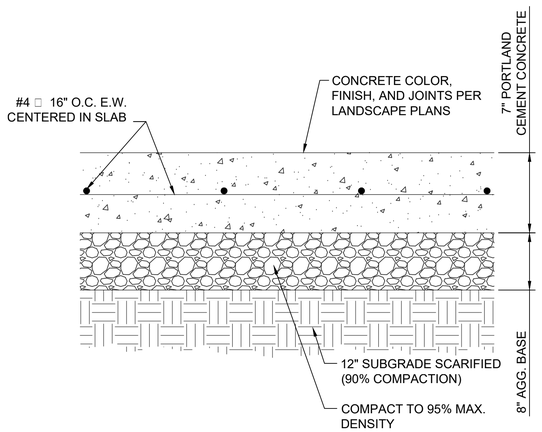

5 H-20 RATED CONCRETE WALK

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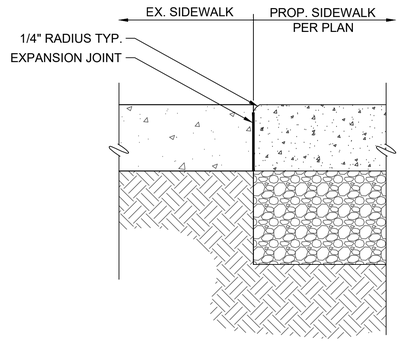

6 JUNCTURE OF NEW WALK & EX. WALK

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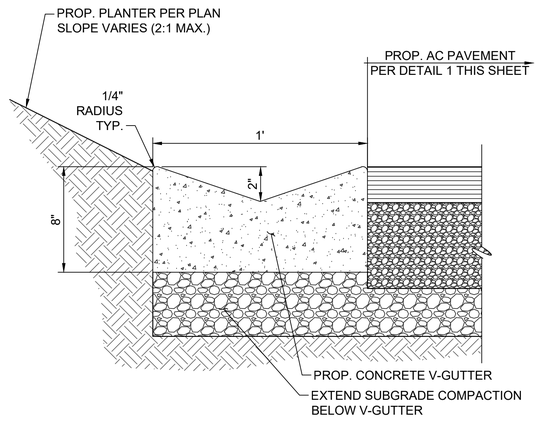
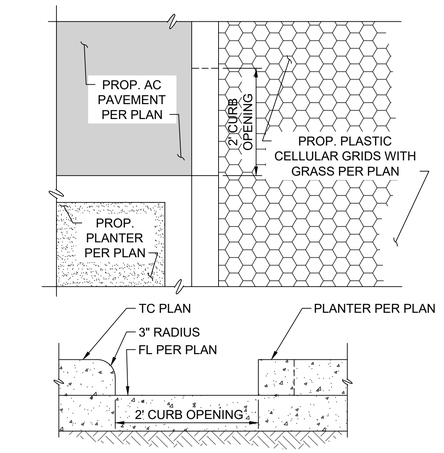


7 CONCRETE V-GUTTER

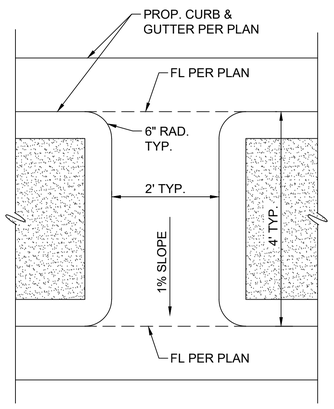
NTS REFERENCE SHEET C-XXX



SECTION

8 CURB OPENING

NTS REFERENCE SHEET C-XXX



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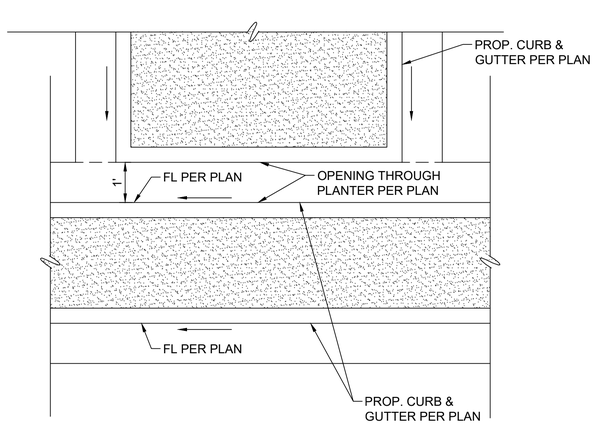
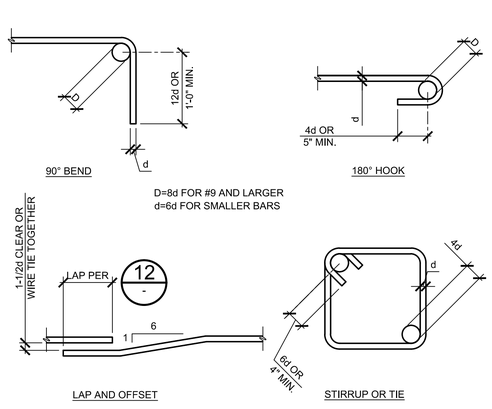


TYPE 2

9 CURB OPENING THROUGH PLANTER

NTS REFERENCE SHEET C-XXX



10 TYPICAL BAR BENDS

NTS REFERENCE SHEET C-XXX

REINFORCING LAP SPLICE SCHEDULE

BAR	f'c=2500	f'c=3000	f'c=4000	f'c=5000
	L (inches)	L (inches)	L (inches)	L (inches)
3	24	22	19	17
4	32	29	25	23
5	39	36	31	28
6	47	43	37	34
7	69	63	54	49
8	78	72	62	56
9	88	81	70	63

"L"

NOTES:

1. LAPS SHOWN IN THIS TABLE ARE CLASS B, CATEGORY 3 TYPE SPLICES. LAP LENGTH IS BASED UPON SMALLER OF TWO BARS BEING SPLICED WHEN NOT THE SAME SIZE.
2. INCREASE LAP LENGTHS BY A FACTOR OF 1.3 FOR HORIZONTAL REINFORCEMENT SO PLACED THAT MORE THAN 12 INCHES OF CONCRETE IS CAST IN THE MEMBER BELOW THIS REINFORCEMENT.

11 LAP SPLICE SCHEDULE

NTS REFERENCE SHEET C-XXX

BUREAU OF ENGINEERING
OFFICIAL RECORD

PLANS PREPARED BY:
TETRA TECH, INC.
3475 E. Foothill Blvd.
Pasadena, CA 91107
Phone: (626) 351-4664 Fax: (626) 351-5291

BID SUBMITTAL - DATED DEC. 15, 2016

CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS
BUREAU OF ENGINEERING

ENGINEERING
CITY OF LOS ANGELES

BUILDING NO. XX/XX

INDEX NO. - RP 300094

NO. | REVISIONS: | DATE: | BY:

GARY LEE MOORE, PE, ENV SP CITY ENGINEER
ARCHITECTURAL DIVISION
ENGINEER: JOSEPH E. DIETZ LIC. NO. 67032 DATE:
DESIGNED BY: JS
DRAWN BY: JS
CHECKED BY: JD
APPROVED BY:

PROFESSIONAL ENGINEER
JOSEPH E. DIETZ
No. 67032
EXP: 6/30/18
REGISTERED
STATE OF CALIFORNIA

VERTICAL CONTROL:
HORIZONTAL CONTROL:
SHEET TITLE: CIVIL DETAILS
PROJECT: RANCHO CIENEGA SPORTS COMPLEX
ADDRESS: 5001 RODEO ROAD
LOS ANGELES, CA 90016

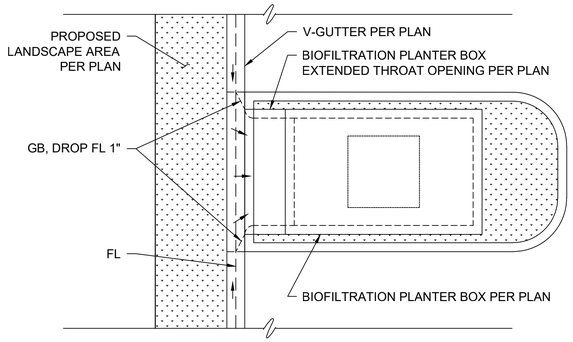
WORK ORDER NO. E1907694
PLAN FILE NO.
DRAWING NO. C-501
SHEET OF SHEETS

PLOTTED: 12/13/2016 4:22 PM

THE CITY OF LOS ANGELES OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF ELECTRONIC COPIES OF THIS PLAN SHEET.

TEMPLATE SHEET REVISION DATE: 08/2014
REVISION DATE: 12/9/2016 12:39 PM FILE: P: 86942-135-85842-15002 CAD SHEETFILES C-501 CIVIL DETAILS.DWG

REVISION DATES: (DESIGN STAGE ONLY)



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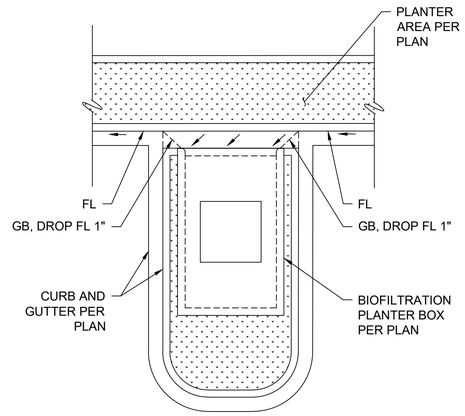

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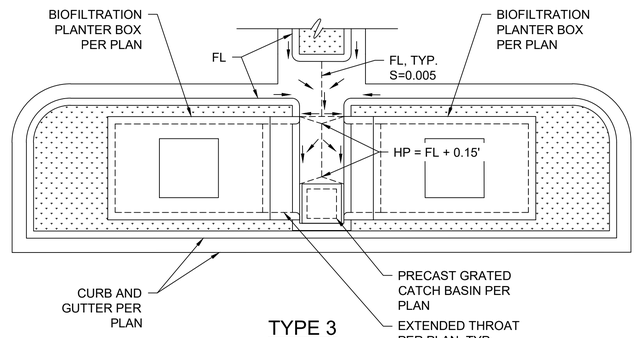
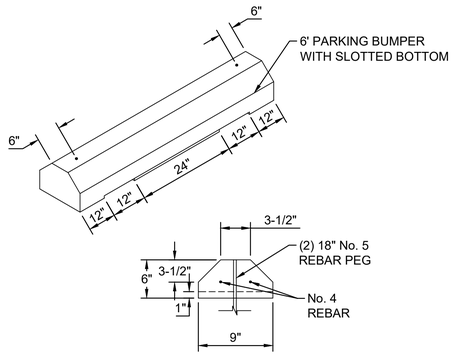


TYPE 3

1 BIOFILTRATION PLANTER BOX CURB OPENING

NTS REFERENCE SHEET C-XXX



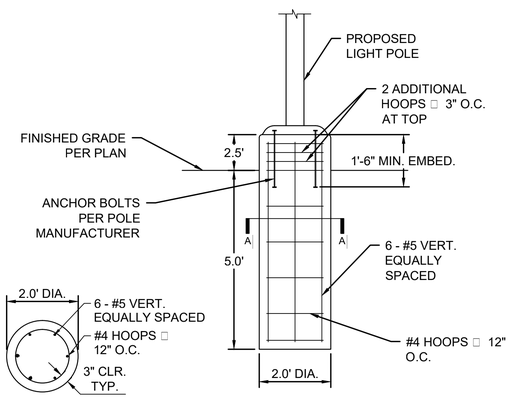
NOTES:
1. WHEEL STOP SHALL BE PREFABRICATED P.C. CONCRETE - 4000 PSI
2. REINFORCEMENT SHALL BE ASTM A-615 GRADE 60

2 CONCRETE WHEEL STOP

NTS REFERENCE SHEET C-XXX

3 0" CURB & DETECTABLE WARNING SURFACE

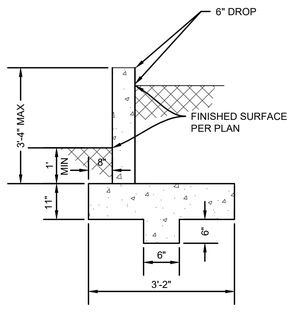
NTS REFERENCE SHEET C-XXX



SECTION A-A

4 LIGHT POLE FOUNDATION

NTS REFERENCE SHEET C-XXX



TYPICAL SECTION A-A

NOTE:
SEE SPPWC 616-2 TYPE 7B FOR STANDARD WALL DETAILS AND REINFORCING BAR SPACING

5 RETAINING WALL

NTS REFERENCE SHEET C-XXX

BID SUBMITTAL - DATED DEC. 15, 2016

BUREAU OF ENGINEERING

ENGINEERING
CITY OF LOS ANGELES

NO.	REVISIONS:	DATE:	BY:

BUILDING NO. XX/XX

INDEX NO. - RP 300094

PROFESSIONAL ENGINEER JOSEPH E. DIETZ No. 67032 REGISTERED STATE OF CALIFORNIA

CITY ENGINEER
GARY LEE MOORE, PE, ENV SP
ARCHITECTURAL DIVISION
LIC. NO. 67032
ENGINEER: JOSEPH E. DIETZ
DESIGNED BY: JS
DRAWN BY: JS
CHECKED BY: JD
APPROVED BY:
DATE:

CITY OF LOS ANGELES
DEPARTMENT OF PUBLIC WORKS
VERTICAL CONTROL:
HORIZONTAL CONTROL:
SHEET TITLE: CIVIL DETAILS
PROJECT: RANCHO CIENEGA SPORTS COMPLEX
ADDRESS: 5001 RODEO ROAD LOS ANGELES, CA 90016

PLANS PREPARED BY:
TETRA TECH, INC.
3475 E. Foothill Blvd.
Pasadena, CA 91107
Phone: (626) 351-4664 Fax: (626) 351-5291

BUREAU OF ENGINEERING OFFICIAL RECORD

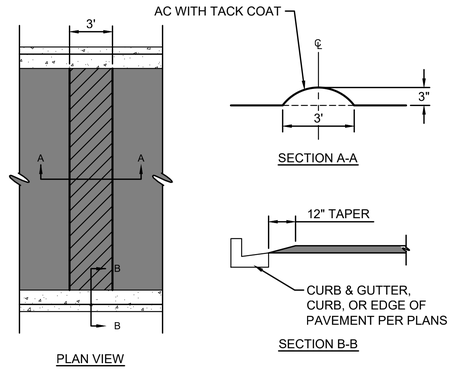
WORK ORDER NO. E1907694
PLAN FILE NO.
DRAWING NO. C-502
SHEET OF SHEETS

PLOTTED: 12/13/2016 4:22 PM

THE CITY OF LOS ANGELES OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF ELECTRONIC COPIES OF THIS PLAN SHEET.

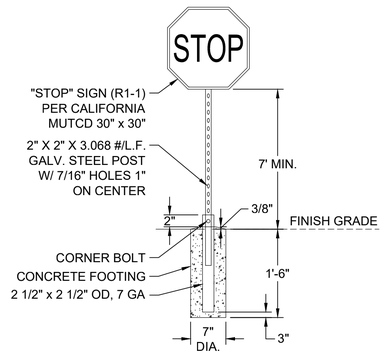
REVISION DATES (DESIGN STAGE ONLY)

TEMPLATE SHEET REVISION DATE: 08/2014
REVISION DATE: 12/13/2016 3:18 PM
FILE: P- 85842-135-85842-15002 CAD SHEETFILES C-502 CIVIL DETAILS.DWG



1 SPEED BUMP

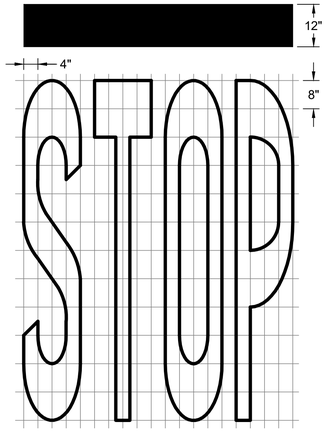
NTS REFERENCE SHEET C-XXX



NOTE:
BORDER SHALL BE REFLECTIVE WHITE.

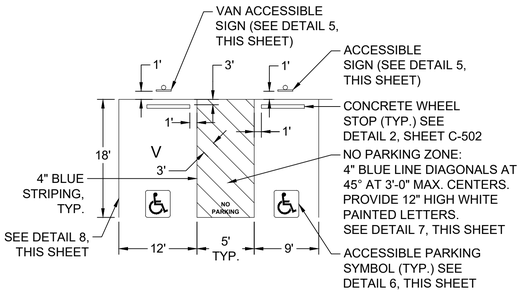
2 STOP SIGN

NTS REFERENCE SHEET C-XXX



3 PAVEMENT MARKING - STOP

NTS REFERENCE SHEET C-XXX

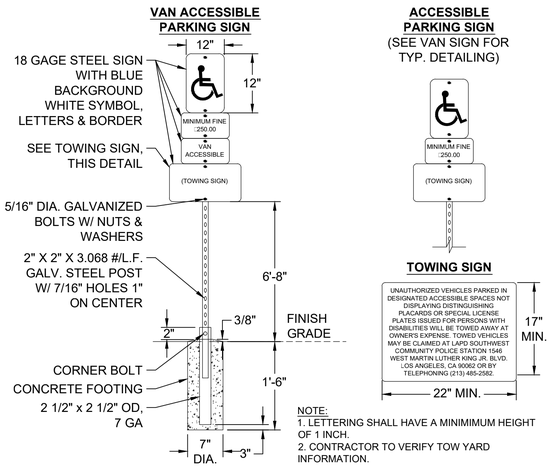


NOTES:
1. "V" INDICATES 'VAN-ACCESSIBLE' PARKING SPACE

(PER LABC CH 11B AND FIGURE 11B-18A)

4 ACCESSIBLE PARKING SPACE

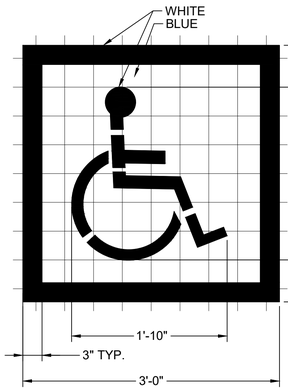
NTS REFERENCE SHEET C-XXX



NOTE:
1. LETTERING SHALL HAVE A MINIMUM HEIGHT OF 1 INCH.
2. CONTRACTOR TO VERIFY TOW YARD INFORMATION.

5 ACCESSIBLE PARKING SIGNS

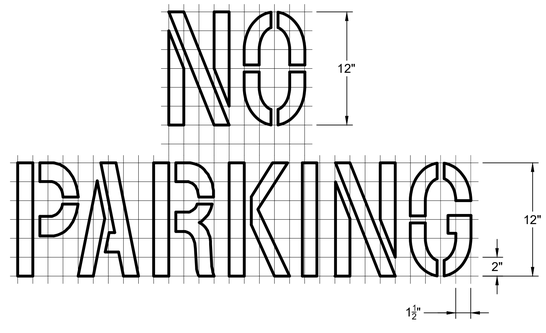
NTS REFERENCE SHEET C-XXX



NOTES:
1. ALL STRIPES TO BE 3" WIDE. ROYAL BLUE BACKGROUND.
2. PROVIDE 2 COATS OF PAINT. DRY BETWEEN COATS.
3. LOCATE SYMBOL AT CENTER OF STALL WHERE SHOWN ON DETAIL.
4. ACCESSIBLE SYMBOL TO COMPLY WITH CURRENT REQUIREMENTS OF TITLE 24, STATE CODE.

6 ACCESSIBLE PARKING SYMBOL

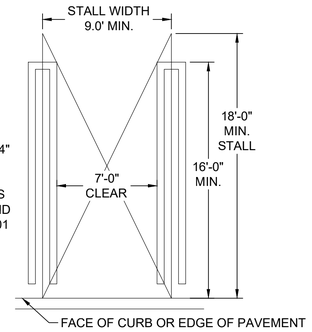
NTS REFERENCE SHEET C-XXX



NOTE:
THE WORDS, "NO PARKING", SHALL BE PAINTED IN WHITE LETTERS NO LESS THAN 1'-0" HIGH ON A CONTRASTING BACKGROUND AND LOCATED SO THAT IT IS VISIBLE TO TRAFFIC ENFORCEMENT OFFICIALS.

7 NO PARKING DETAIL

NTS REFERENCE SHEET C-XXX

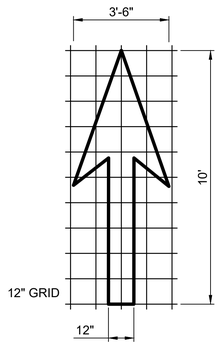


NOTE:
1. 4" WHITE STRIPING USED THROUGHOUT, EXCEPT AT ACCESSIBLE SPACES WHERE 4" BLUE STRIPING IS USED.

2. STRIPING PER LOS ANGELES DEPARTMENT OF BUILDING AND SAFETY DOC. NO. P/ZC 2002-001

8 STANDARD PARKING STALLS

NTS REFERENCE SHEET C-XXX

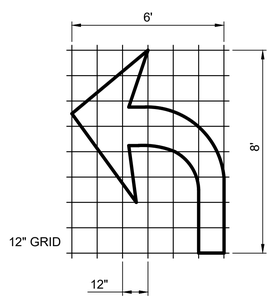


TYPE I ARROW

CALTRANS STANDARD PLAN A24A,
TYPE I 10'-0" ARROW

9 PAVEMENT MARKING TYPE I

NTS REFERENCE SHEET C-XXX



TYPE IV ARROW

CALTRANS STANDARD PLAN A24A,
TYPE IV L & R ARROW (L SHOWN)

10 PAVEMENT MARKING TYPE IV

NTS REFERENCE SHEET C-XXX

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REVISION DATES
(DESIGN STAGE ONLY)

TEMPLATE SHEET REVISION DATE: 08/2014
REVISION DATE: 12/9/2016 10:53 AM FILE: P- 85842-135-45842-15002 CAD SHEETFILES C-503 CIVIL DETAILS.DWG

BUREAU OF ENGINEERING
CITY OF LOS ANGELES

BID SUBMITTAL - DATED DEC. 15, 2016

DEPARTMENT OF PUBLIC WORKS

ENGINEERING
CITY OF LOS ANGELES

BUILDING NO. XX/XX

INDEX NO. - RP 300094

NO.	REVISIONS:	DATE:	BY:

GARY LEE MOORE, PE, ENV SP CITY ENGINEER
LIC. NO. 67032
ARCHITECTURAL DIVISION
ENGINEER: JOSEPH E. DIETZ
DESIGNED BY: JS
DRAWN BY: JS
CHECKED BY: JD
APPROVED BY:

REGISTERED PROFESSIONAL ENGINEER
JOSEPH E. DIETZ
No. 67032
EXP: 9/30/18
STATE OF CALIFORNIA

VERTICAL CONTROL:
HORIZONTAL CONTROL:

SHEET TITLE: CIVIL DETAILS

PROJECT: RANCHO CIENEGA SPORTS COMPLEX

ADDRESS: 5001 RODEO ROAD
LOS ANGELES, CA 90016

BUREAU OF ENGINEERING
OFFICIAL RECORD

PLANS PREPARED BY:
TETRA TECH, INC.
3475 E. Foothill Blvd.
Pasadena, CA 91107
Phone: (626) 351-4664 Fax: (626) 351-5291

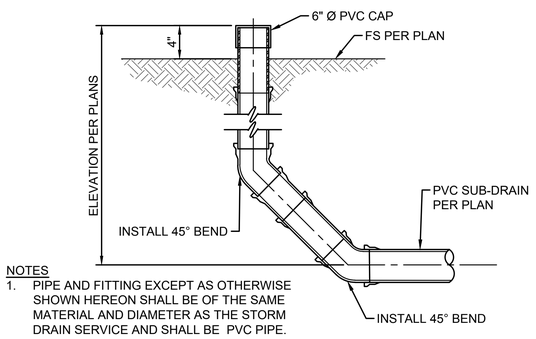
WORK ORDER NO.
E1907694

PLAN FILE NO.

DRAWING NO.
C-503

SHEET OF SHEETS

PLOTTED: 12/13/2016 4:23 PM



NOTES
1. PIPE AND FITTING EXCEPT AS OTHERWISE SHOWN HEREON SHALL BE OF THE SAME MATERIAL AND DIAMETER AS THE STORM DRAIN SERVICE AND SHALL BE PVC PIPE.

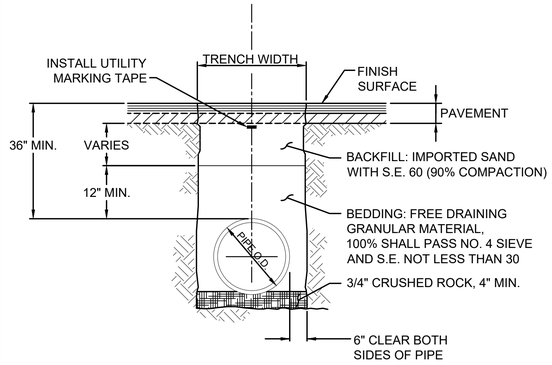
1 UNDERDRAIN CLEANOUT

NTS REFERENCE SHEET C-XXX

NOTE:
STENCIL OR PLACARD SHALL BE PLACED ON TOP OF CURB OR INLET.

2 "NO DUMPING" STENCIL

NTS REFERENCE SHEET C-XXX

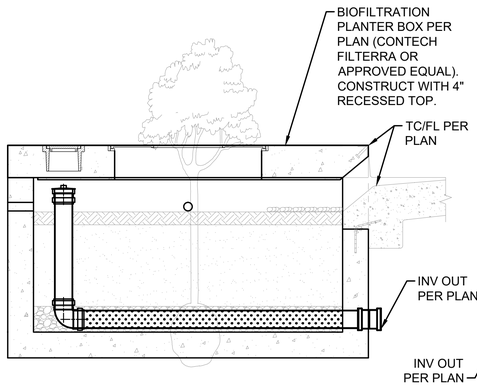


3 STORM DRAIN TRENCH DETAIL

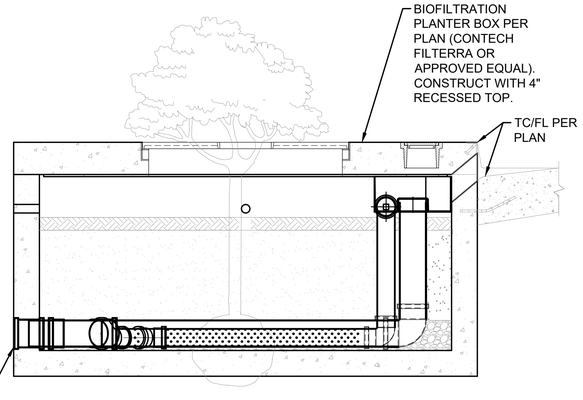
NTS REFERENCE SHEET C-XXX

4 SHALLOW STORM DRAIN DETAIL

NTS REFERENCE SHEET C-XXX



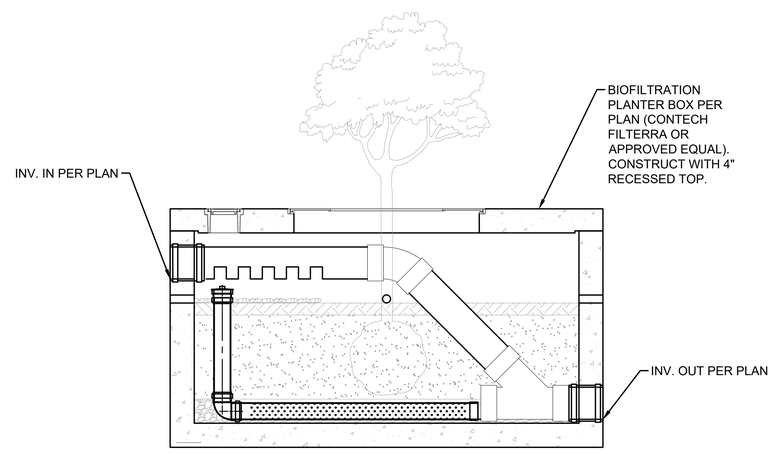
STANDARD OFFLINE



INTERNAL BYPASS

5 BIOFILTRATION PLANTER BOX - TYPE 1

NTS REFERENCE SHEET C-XXX



6 BIOFILTRATION PLANTER BOX - TYPE 2

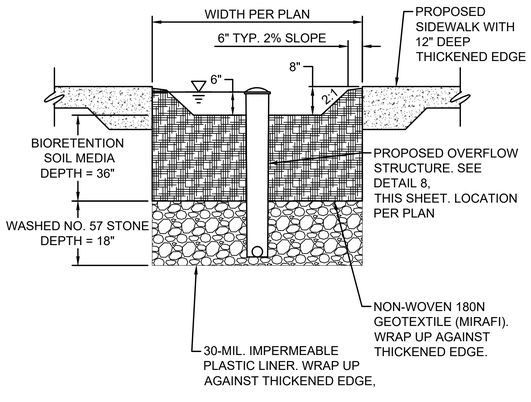
NTS REFERENCE SHEET C-XXX

7 BIOFILTRATION BASIN - TYPE 1

NTS REFERENCE SHEET C-XXX

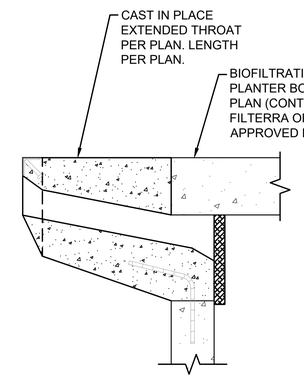
8 BIOFILTRATION BASIN - TYPE 2

NTS REFERENCE SHEET C-XXX



9 BIOFILTRATION SIDEWALK PLANTER

NTS REFERENCE SHEET C-XXX



10 EXTENDED THROAT

NTS REFERENCE SHEET C-XXX

BUREAU OF ENGINEERING
OFFICIAL RECORD

PLANS PREPARED BY:
TETRA TECH, INC.
3475 E. Foothill Blvd.
Pasadena, CA 91107
Phone: (626) 351-4664 Fax: (626) 351-5291

BID SUBMITTAL - DATED DEC. 15, 2016

CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS BUREAU OF ENGINEERING

ENGINEERING
CITY OF LOS ANGELES

NO.	REVISIONS:	DATE:	BY:

BUILDING NO. XX/XX

INDEX NO. - RP 300094

GARY LEE MOORE, PE, ENV SP CITY ENGINEER
ARCHITECTURAL DIVISION
ENGINEER: JOSEPH E. DIETZ LIC. NO. 67032
DESIGNED BY: JS
DRAWN BY: JS
CHECKED BY: JD
APPROVED BY:
DATE:

REGISTERED PROFESSIONAL ENGINEER JOSEPH E. DIETZ No. 67032 EXP: 9/30/18 STATE OF CALIFORNIA

VERTICAL CONTROL:
HORIZONTAL CONTROL:

SHEET TITLE: CIVIL DETAILS

PROJECT: RANCHO CIENEGA SPORTS COMPLEX

ADDRESS: 5001 RODEO ROAD
LOS ANGELES, CA 90016

WORK ORDER NO. E1907694

PLAN FILE NO.

DRAWING NO. C-504

SHEET OF SHEETS

PLOTTED: 12/13/2016 4:32 PM

REVISION DATES (DESIGN STAGE ONLY)

TEMPLATE SHEET REVISION DATE: 08/2014
REVISION DATE: 12/12/2016 10:14 AM FILE: 3WRS318FS1 PROJECTS 85842-135-85842-15002 CAD SHEETFILES C-504 -CIVIL DETAILS.DWG

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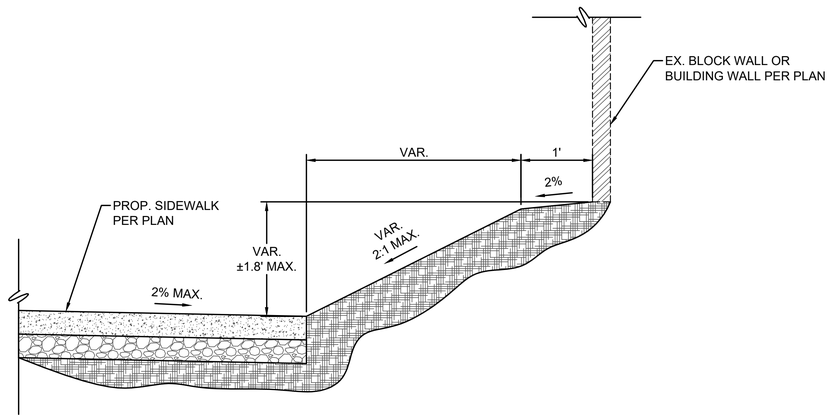
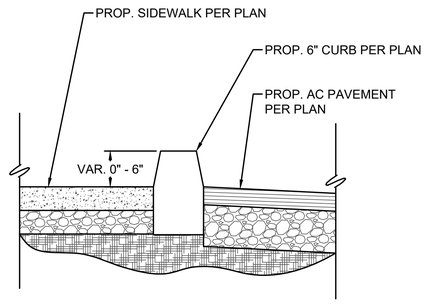
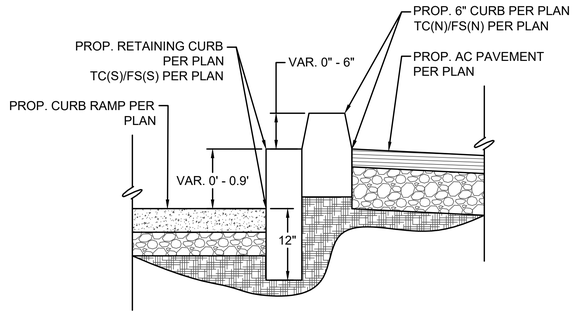


1 SECTION A-A

NTS REFERENCE SHEET C-402



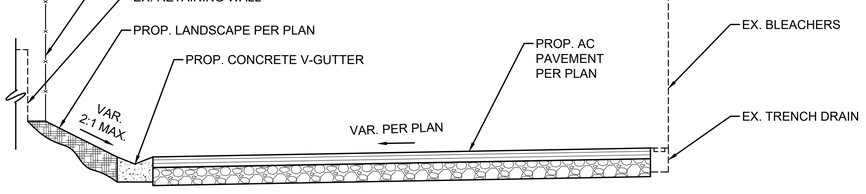
TYP. SIDEWALK SECTION



SIDEWALK SECTION AT CURB RAMP

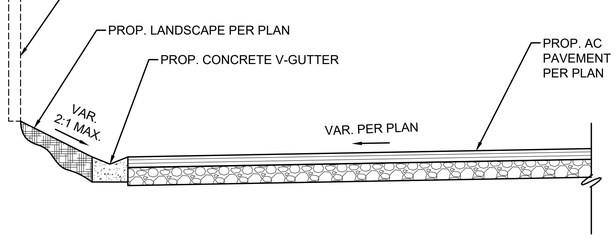
2 SECTION B-B

NTS REFERENCE SHEET C-402



3 SECTION C-C

NTS REFERENCE SHEET C-401



4 SECTION D-D

NTS REFERENCE SHEET C-401

THE CITY OF LOS ANGELES OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF ELECTRONIC COPIES OF THIS PLAN SHEET.

REVISION DATES
(DESIGN STAGE ONLY)

BID SUBMITTAL - DATED DEC. 15, 2016

CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS

BUREAU OF ENGINEERING

ENGINEERING
CITY OF LOS ANGELES

NO.	REVISIONS:	DATE:	BY:

BUILDING NO. XX/XX

INDEX NO. - RP 300094

REGISTERED PROFESSIONAL ENGINEER
JOSEPH E. DIETZ
No. 67032
EXP: 9/30/18
STATE OF CALIFORNIA

GARY LEE MOORE, PE, ENV SP CITY ENGINEER
ARCHITECTURAL DIVISION
ENGINEER: JOSEPH E. DIETZ LIC. NO. 67032 DATE:
DESIGNED BY: JS
DRAWN BY: JS
CHECKED BY: JD
APPROVED BY:

VERTICAL CONTROL:
HORIZONTAL CONTROL:

SHEET TITLE: CIVIL DETAILS

PROJECT: RANCHO CIENEGA SPORTS COMPLEX

ADDRESS: 5001 RODEO ROAD
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BUREAU OF ENGINEERING
OFFICIAL RECORD

WORK ORDER NO.
E1907694

PLAN FILE NO.

DRAWING NO.
C-505

SHEET OF SHEETS

PLOTTED: 12/13/2016 4:33 PM

TEMPLATE SHEET REVISION DATE: 08/2014
REVISION DATE: 12/9/2016 3:34 PM FILE: JWRS316PS1:PROJECTS:85842-135-85842-15002:CAD:SHEETFILES:C-505::CIVIL DETAILS.DWG

GENERAL NOTES

1. ALL WORK SHALL CONFORM TO THE LATEST EDITION AND SUPPLEMENTS OF THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION ADOPTED BY THE BOARD OF PUBLIC WORKS OF THE CITY OF LOS ANGELES AS MODIFIED BY THE CORRESPONDING ISSUE OF STANDARD PLAN S-610 AND TO THE SPECIAL PROVISIONS.
2. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE DEPARTMENT OF PUBLIC WORKS STANDARD PLANS, UNLESS OTHERWISE SUPPLEMENTED OR MODIFIED.
STANDARD PLANS FOR THIS PROJECT

ALL WORK AND MATERIALS ARE SUBJECT TO INSPECTIONS AND APPROVAL. IN ADDITION TO INSPECTIONS REQUIRED BY THE STANDARD PLANS, AND SPECIFICATIONS, THE FOLLOWING INSPECTIONS ARE REQUIRED:
TAGGING OF PLANT MATERIAL 15 GALLON AND LARGER AT THEIR SOURCE.
APPROVAL OF ALL PLANT MATERIAL AT THE SITE PRIOR TO PLANTING OPERATIONS.
CONFIRMATION AND APPROVAL OF PLANT MATERIAL LOCATION AND SPACING PRIOR TO PLANTING.
PRE-MAINTENANCE FINAL LANDSCAPE INSPECTION.
POST-MATERIAL FINAL LANDSCAPE INSPECTION.

THE CONTRACTOR SHALL SUBMIT FIVE (5) COPIES OF COMPLETE SUBMITTAL LITERATURE AND/OR INFORMATION REGARDING ALL MATERIALS AND EQUIPMENT WITHIN 30 CALENDAR DAYS OF THE AWARD OF THIS CONTRACT. SUBMITTAL SHALL INCLUDE MANUFACTURER'S NAME, ADDRESS, PHONE NUMBER, AND SPECIFIC TRADE NAMES AND/OR NECESSARY DESCRIPTIVE LITERATURE. CLEARLY MARK OR UNDERLINE PROPOSED ITEMS. DELIVER SUBMITTAL FOR APPROVAL TO THE PROJECT ENGINEER.
5. CITY LANDSCAPE ARCHITECT
A MEMBER OF THE CITY'S LANDSCAPE ARCHITECTURAL SECTION CAN BE REACHED AT (213)-4854716.
6. UNDERGROUND SERVICE ALERT
THE CONTRACTOR SHALL NOTIFY THE UNDERGROUND SERVICE ALERT BY PHONE (DIAL 8-1-1) TWO FULL WORKING DAYS PRIOR TO ANY EXCAVATION WORK.

THE CONTRACTOR SHALL PROVIDE A SET OF AS-BUILT DRAWINGS TO THE PROJECT ENGINEER/LANDSCAPE ARCHITECT AT THE START OF THE PLANT ESTABLISHMENT PERIOD. THE AS-BUILT DRAWINGS SHALL BE MAINTAINED DAILY THROUGHOUT THE CONSTRUCTION PERIOD AND SHALL BE AVAILABLE AT ALL JOB MEETINGS. THE AS-BUILT DRAWINGS SHALL BE SUBMITTED ON A FULL SIZE SET OF PLANS WITH ALL VALVE LOCATIONS, PIPING, SLEEVES, ELECTRICAL WIRING, AND ANY DEVIATIONS FROM THE ORIGINAL PLAN CONFIGURATION, CLEARLY IDENTIFIED AND DIMENSIONED. THE PLANT ESTABLISHMENT PERIOD WILL NOT BEGIN UNTIL AS-BUILT DRAWINGS ARE SUBMITTED AND APPROVED.

8. PERMITS AND INSPECTIONS
THE CONTRACTOR SHALL ARRANGE AND PAY FOR ALL REQUIRED PERMITS AND INSPECTIONS.
THE FOLLOWING CONSTRUCTION PERMITS AND FEES HAVE BEEN OBTAINED AND PAID FOR BY THE CITY:
1. NEW BUILDING PERMITS
2. G PERMIT / GRADING PERMIT
3. HAUL ROUTE APPROVAL FROM BUILDING AND SAFETY (WITH RESTRICTIONS)
9. ALL LANDSCAPE AND IRRIGATION WORK SHALL BE PERFORMED BY A LICENSED LANDSCAPE CONTRACTOR.
10. THE CONTRACTOR SHALL ARRANGE AND PAY FOR THE INSTALLATION AND CONSTRUCTION OPERATING COSTS OF THE FOLLOWING SERVICES:
1. EXISTING WATER SERVICE - SEE PLAN FOR LOCATION
11. THE CONTRACTOR SHALL OBTAIN BUILDING AND SAFETY FINAL INSPECTION APPROVAL AND SIGN-OFF AT THE BOTTOM OF ITS JOB CARD.
12. THE CONTRACTOR SHALL PROVIDE PRELIMINARY AND FINAL LIEN RELEASES FROM ALL SUB-CONTRACTORS PRIOR TO FINAL PAYMENT.
13. GEOTECHNICAL SERVICES CAN BE REACHED AT (714) 634-3318. THE CONTRACTOR SHALL CONTACT GEOTECHNICAL SERVICES FOR THE FOLLOWING CERTIFICATIONS:
1. WALL FOOTINGS COMPACTION TESTS.
2. FILL CERTIFICATIONS AND INSPECTIONS.
3. APPROVAL & CERTIFICATION OF IMPORT SOIL AND SOURCE.
14. THE CONTRACTOR SHALL CONTACT THE BUILDING AND SAFETY GRADING INSPECTOR BEFORE ANY GRADING BEGINS, FOR BOTTOM INSPECTION, AND BEFORE ANY FILL IS PLACED. FILL MAY NOT BE PLACED WITHOUT APPROVAL OF THE GRADING INSPECTOR.
15. IN THE EVENT EXCAVATIONS REVEAL UNFAVORABLE CONDITIONS, CONTACT GEOTECHNICAL SERVICES.
16. CONTRACTOR SHALL BE RESPONSIBLE FOR MAKING HIMSELF FAMILIAR WITH ALL UNDERGROUND AND OVERHEAD UTILITIES, PIPES AND STRUCTURES. CONTRACTOR SHALL TAKE SOLE RESPONSIBILITY FOR COST INCURRED DUE TO DAMAGE AND REPLACEMENT OF SAID UTILITIES.
17. STREETS, SIDEWALKS AND ADJACENT PROPERTY SHALL BE PROTECTED THROUGHOUT THE WORK AS REQUIRED BY LOCAL CODES AND REGULATIONS AND APPROVED BY THE PROJECT ENGINEER.
18. REFER TO CITY STANDARD PLANS AND SPECIFICATIONS WHERE APPLICABLE.
19. ALL WORK AND PORTIONS OF THE PROJECT SHALL COMPLY WITH ALL APPLICABLE CODES.
20. CONTRACTOR IS RESPONSIBLE FOR REPLACEMENT OF ANY EXISTING MATERIALS THAT ARE DAMAGED DURING CONSTRUCTION.
21. ALL LIMITS OF WORK, PROPERTY LINES AND LOT LINES SHALL BE VERIFIED PRIOR TO COMMENCING WORK.
22. CONTRACTOR SHALL NOTIFY PROJECT ENGINEER (15) DAYS PRIOR TO COMMENCEMENT OF WORK TO COORDINATE PROJECT OBSERVATION SCHEDULES.
23. ALL MATERIALS AND EQUIPMENT SHALL CONFORM TO PLANS, "OR EQUAL" EQUIPMENT MAY BE SUBMITTED FOR APPROVAL AFTER CONTRACTOR SELECTION. IF "OR EQUAL" EQUIPMENT IS APPROVED, APPROPRIATE CREDITS WILL BE REVIEWED.
24. CONTRACTOR SHALL NOT WILLFULLY PROCEED WITH DEMOLITION/CONSTRUCTION AS SHOWN WHEN IT IS OBVIOUS THAT UNKNOWN CONDITIONS, OBJECTS OR GRADE CHANGES EXIST THAT MAY NOT HAVE BEEN KNOWN DURING THE PREPARATION OF THIS PLAN. SUCH CONDITIONS, OBJECTS, OR GRADE CHANGES SHALL BE IMMEDIATELY BROUGHT TO THE ATTENTION OF THE CITY ENGINEER. THE CONTRACTOR SHALL ASSUME FULL RESPONSIBILITY FOR ALL NECESSARY REVISIONS DUE TO FAILURE TO GIVE SUCH NOTIFICATION.
25. CONTRACTOR SHALL CARRY ALL WORKMAN'S COMPENSATION, PUBLIC LIABILITY AND PROPERTY DAMAGE INSURANCE AS REQUIRED BY THE CITY.
26. CONTRACTOR AGREES THAT HE SHALL ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR THE JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THIS PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY□THAT THIS REQUIREMENT SHALL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS□AND THAT THE CONTRACTOR SHALL DEFEND, AT HIS COST, INDEMNIFY AND HOLD THE CITY AND LANDSCAPE ARCHITECT HARMLESS AND FREE FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXCEPTING FOR LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF THE CITY OR THE LANDSCAPE ARCHITECT.
27. CONTRACTOR SHALL BE RESPONSIBLE FOR ANY COORDINATION WITH SUBCONTRACTORS AS REQUIRED TO ACCOMPLISH ALL OPERATIONS.
28. THE CONTRACTOR SHALL AT ALL TIMES PROTECT HIS WORK FROM DAMAGE AND THEFT AND REPLACE ALL DAMAGED OR STOLEN PARTS AT HIS/HER EXPENSE UNTIL THE WORK IS ACCEPTED, IN WRITING BY THE CITY.
29. THE CONTRACTOR SHALL KEEP THE PREMISES CLEAN AND FREE OF EXCESS EQUIPMENT, MATERIAL AND RUBBISH INCIDENTAL TO HIS WORK.
30. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THAT ALL UTILITIES, SLEEVES, ETC., HAVE BEEN PLACED AND TESTED PRIOR TO PLACING ANY CONCRETE, ASPHALT, OR OTHER PAVING MATERIALS.
31. ALL PROPOSED GRADES ARE TO MEET AND BLEND IN WITH EXISTING GRADING AT PROJECT LIMIT & EXISTING HARDSCAPE, PRECISE ELEVATIONS INDICATED ON PLANS TO BE VERIFIED IN FIELD TO AS BUILT CONDITIONS.
32. CONTRACTOR SHALL PROVIDE AND SET UP ALL BARRICADES, FENCES, OR WARNING SIGNS NECESSARY TO SECURE THE WORK AREA FROM ACCESS BY NON-AUTHORIZED PEDESTRIANS AND VEHICLES.

GRADING NOTES

1. Form B-164 is a part of the plans

2. The stamped set of plans shall be on the job site at all times

3. Not less than one field density test will be made for each 2 feet vertical lift or fill nor less than 1 such test for each 500 cubic yards of material placed

4. No fill to be placed until the stripping of vegetation, removal of unsuitable soils and installation of subdrains (if any) has been inspected and approved by the soils engineer

5. No rock or similar material greater than 6" in diameter shall be placed in the fill unless recommendations for such placement have been submitted by the soils engineer in advanced and approved by the building official.

6. The compation report must include the test results for compaction within 12" of the slope surface. A minimum of one test per 1,000 sq. ft. of slope surface shall be taken. The vertiacl interval between test locations shall not exceed 10 ft.

7. All fill that was placed without inspection shall be removed, inspected & recompacted.

8. All non-conforming slopes must be made to conform prior to final inspection.

9. No work whatsoever shall be started in or about a grading project without first notifying the Grading Inspector.

10. All debis and foriegn material shall be removed from the site.

11. Protective measures shall be taken by the contractor and the owner to protect adjacent property and public ways during grading operations.

12. Dust shall be controlled by watering.

13. The Soils Report for this project and all addendums thereto are a part of these plans.

14. All grading shall be in accordance with the plans and specifications, the applicable portion of the Los Angeles City Building Code and the requirements of the governing authorities

15. The governmental agencies having jurisdiction over the project shall be notified by the contractor that Grading is to commence and make all necessary arrangements for their inspection.

16. The soils engineer shall be notified to inspect the site before clearing is to commence.

17. During construction, the drainage of the lot must be maintained. When utility trenches are dug, care must be taken to prevent the soil from the trenches from being placed in such a manner as to block the drainage to to cause rain water to be impounded. If a trench is to be placed in a slope then the trench shall not serve as a drain for the tributary above.

18. All graded slopes shall be planted and sprinklered.

19. All footing excavations shall be examined by the soils engineer before the forms are set.

20. It is important that the drainage system be properly maintained.

21. A standard 12" high berm shall be constructed at the top of all graded slopes.

22. Dust control and sanitary facilities are required.

23. Approval from the department of Public Works shall be obtained for any excavation that would remove the lateral support of a public way.

24. The applicant is advised that the approval of this report does not waive the requirements for excavations contained in the state construction safety orders enforced by the State Division of Industrial Safety.

25. Prior to the pouring of concrete, the structural engineer shall inspect and approve the footing excavtions and rebar placement. He shall post a notice on the job site for the City building inspector and contractor, stating that the work so inspected meets the conditions of the report, but that no concrete shall be poured until the City building inspector has also inspected and approved the footing excavtions. A written certification to this effect shall be filed with the Department upon the completion of the work.

ABBREVIATIONS

ADJ.	ADJACENT
ARCH.	ARCHITECT / ARCHITECTURAL
CP	CENTER POINT OF CIRCLE
C.J.	CONTROL JOINT
C	CENTER LINE
CIP	CAST IN PLACE
CONC.	CONCRETE
DET.	DETAIL
DIA.	DIAMETER
DWG.	DRAWING
E	EAST
(E)	EXISTING
E.DIR.	EACH DIRECTION
E.J.	EXPANSION JOINT
ELECT.	ELECTRICAL
EQ.	EQUAL
E.W.	EACH WAY
F.F. F.F.E.	FINISHED FLOOR ELEVATION
F.G.	FINISHED GRADE
F.O.W.	FACE OF WALL
FT.	FOOT
GA.	GAUGE
GAL.	GALLON
GALV.	GALVANIZED
G.R.A.	GARDEN ROOF LANDSCAPE ASSEMBLY
GSL	GRAVEL STOP LENGTH
HC	HANDICAP (HANDICAPPED)
H.P.	HIGH POINT
I.D.	INSIDE DIAMETER
INV.	INVERT (TRENCH DRAIN INVERT ELEVATION)
LAND. ARCH.	LANDSCAPE ARCHITECT
L.P.	LOW POINT
LY. S.	LAYER OF RIGID INSULATION (STYROFOAM FILL)
LY. GRA.	LAYER OF GARDEN ROOF ASSEMBLY (DRAIN MAT)
MANUF.	MANUFACTURER
MAX.	MAXIMUM
MFR'S	MANUFACTURER'S
MIN.	MINIMUM
N	NORTH
NAS	NO ADDITIONAL STYROFOAM
N.I.C.	NOT IN CONTRACT
O.C.	ON CENTER
O.D.	OUTSIDE DIAMETER
PA	PLANTING AREA
PERF.	PERFORATED
PIP	POURED IN PLACE
P.O.T.	POINT OF TANGENCY
PREFAB	PRE-FABRICATED
PT	PAVING TYPE
R	RADIUS
REC.	RECOMMENDATION
REINF.	REINFORCED
REQ'D	REQUIRED
RET.	RETAINING
R.O.W.	RIGHT OF WAY
S	SOUTH
SHT.	SHEET
SQ.	SQUARE
SPEC. SPECS	SPECIFICATIONS
STL.	STEEL
S.S.	STAINLESS STEEL
SSD	SEE STRUCTURAL DRAWINGS
TE	TOP OF STEEL EDGE
TR	TOP OF RIGID ROOT BARRIER PANEL
TW	TOP OF WALL
TYP.	TYPICAL
U.O.N.	UNLESS OTHERWISE NOTED
W	WEST

AREA CALCULATIONS

LANDSCAPE AREA= 455,000 SQ. FEET(NEW PLANTING)
HARDSCAPE AREA= 342,000 SQ. FEET(NEW PAVING)

VICINITY MAP

NOT TO SCALE

BUREAU OF ENGINEERING
OFFICIAL RECORD

SHEET INDEX

GENERAL SHEETS

REFERENCE	SHEET NAME
L-0.0	NOTES & SHEET INDEX
L-0.1	LEGENDS
L-0.2	LEGENDS
L-0.3	KEY PLAN
L-0.4	TREE PRESERVATION & REMOVAL PLAN

LAYOUT PLANS

REFERENCE	SHEET NAME
L-1.1	LAYOUT PLAN
L-1.2	LAYOUT PLAN
L-1.3	LAYOUT PLAN
L-1.4	LAYOUT PLAN
L-1.5	LAYOUT PLAN
L-1.6	LAYOUT PLAN
L-1.7	LAYOUT PLAN
L-1.8	LAYOUT PLAN
L-1.9	LAYOUT PLAN

MATERIALS PLANS

REFERENCE	SHEET NAME
L-2.1	MATERIALS PLAN
L-2.2	MATERIALS PLAN
L-2.3	MATERIALS PLAN
L-2.4	MATERIALS PLAN
L-2.5	MATERIALS PLAN
L-2.6	MATERIALS PLAN
L-2.7	MATERIALS PLAN
L-2.8	MATERIALS PLAN
L-2.9	MATERIALS PLAN

ENLARGEMENTS PLANS

REFERENCE	SHEET NAME
L-3.0	PERMATRAK NOTES
L-3.1	ENLARGEMENTS PLAN
L-3.2	PERMATRAK PLAN & SECTION
L-3.3	PERMATRAK DETAILS

DETAILS

REFERENCE	SHEET NAME
L-4.1	PAVING DETAILS
L-4.2	FENCING AND GATE
L-4.3	SITE FURNISHING
L-4.4	SITE FURNISHING
L-4.5	SITE FURNISHING
L-4.6	PLANTING DETAILS

PLANTING PLANS

REFERENCE	SHEET NAME
L-5.0	PLANTING LEGEND
L-5.1	PLANTING PLAN
L-5.2	PLANTING PLAN
L-5.3	PLANTING PLAN
L-5.4	PLANTING PLAN
L-5.5	PLANTING PLAN
L-5.6	PLANTING PLAN
L-5.7	PLANTING PLAN
L-5.8	PLANTING PLAN
L-5.9	PLANTING PLAN

IRRIGATION PLANS

REFERENCE	SHEET NAME
LI-6.0	IRRIGATION LEGEND
LI-6.1	IRRIGATION PLAN
LI-6.2	IRRIGATION PLAN
LI-6.3	IRRIGATION PLAN
LI-6.4	IRRIGATION PLAN
LI-6.5	IRRIGATION PLAN
LI-6.6	IRRIGATION PLAN
LI-6.7	IRRIGATION PLAN
LI-6.8	IRRIGATION PLAN
LI-6.9	IRRIGATION PLAN
LI-6.10	IRRIGATION DETAILS
LI-6.11	IRRIGATION DETAILS

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REVISION DATES (DESIGN STAGE ONLY)

12/9/2016 4:35:28 PM

CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS BUREAU OF ENGINEERING

BID SUBMITTAL - NOT FOR CONSTRUCTION

ENGINEERING CITY OF LOS ANGELES

BUILDING NO.

INDEX NO. - RP 300094

NO.	REVISIONS:	DATE:	BY:

LICENSED LANDSCAPE ARCHITECT ZACK D FREEDMAN PLA 5582 Signature 05/31/18 Renewal Date 12/26/18 Date STATE OF CALIFORNIA

GARY LEE MOORE, PE, ENV SP CITY ENGINEER
DATE:
ARCHITECTURAL DIVISION LIC. NO. LA-5582
ARCHITECT: ZACK FREEDMAN, PLA
DESIGNED BY: HOOD DESIGN STUDIO
DRAWN BY: YDI
CHECKED BY: ADS
APPROVED BY: MAHMOOD KARIMZADEH, A.I.A., PRINCIPAL ARCHITECT

VERTICAL CONTROL:
HORIZONTAL CONTROL:

SHEET TITLE: NOTES AND SHEET INDEX

PROJECT: RANCHO CIENEGA SPORTS COMPLEX

ADDRESS: 5001 RODEO ROAD LOS ANGELES, CA 90016

WORK ORDER NO. E1907694

PLAN FILE NO.

DRAWING NO. L-0.0

SHEET OF SHEETS

PLOTTED: 12/9/2016 4:35 PM

PAVING SCHEDULE (P)

KEY	SYMBOL	DESCRIPTION	COLOR/FINISH	MATERIAL/MODEL	MANUFACTURER/ SUPPLIER	SIZE	QUANTITY	DETAIL(S)	SPEC SECTION	COMMENTS
PT-1		CIP CONCRETE	OUTBACK /SANDBLASTED	STANDARD CIP W/ INTEGRAL COLOR 677	TBD/ DAVIS COLORS		150,500 SF	03/ L-4.1		-
PT-2		CIP CONCRETE	OUTBACK /SANDBLASTED	STANDARD CIP W/ INTEGRAL COLOR 677	TBD/ DAVIS COLORS	5'X5' CONTROL JOINTS	2,300 SF	03/ L-4.1		-
PT-3		CIP CONCRETE	SANGRIA /SANDBLASTED	STANDARD CIP W/ INTEGRAL COLOR 1117	TBD/ DAVIS COLORS		22,700 SF	03/ L-4.1		-
PT-4		PLASTIC CELLULAR GRIDS WITH GRASS	STANDARD	STABILIGRID H/2.0	ECOTERR	12" X 12" X 2"	28,000 SF	01/ L-4.1		-
PT-5		GRAVEL	MARINER'S GOLD	N/A	DECORATIVE STONE SOLUTIONS	2" - 4"	13,150 SF			
PT-6		COLORED ASPHALT	FAWN	STANDARD ASPHALT WITH STREETBONDSR COATING	TBD/STREETBOND	---	53,200 SF			
PT-7		PRECAST CONCRETE PAVERS	NATURAL/TUDOR FINISH	PREST PAVER	HANOVER	11 15/16" X 11 15/16" X 2"	252 SF	04/ L-4.1		–
PT-8		BOARDWALK	CEMENT GRAY	CONCRETE	PERMATRAK	---	3,280 SF	SHEETS L-3.1, L-3.2, L-3.3		–
PT-10		GRANITE CURB	GRANITE	GRANITE	WILLIAMS STONE CO., INC.	8W" X 18H"	1,500 LF	04/L-3.3 (PT-9) 02/L-4.1 (PT-10)		

SITE FURNISHING SCHEDULE (SF)

KEY	SYMBOL	DESCRIPTION	COLOR/FINISH	MATERIAL/MODEL	MANUFACTURER/ SUPPLIER	SIZE	QUANTITY	DETAIL(S)	SPEC SECTION	COMMENTS
SF-1		WASTE & RECYCLE BIN	GALVANIZED METAL	BIGBELLY HIGH CAPACITY	BIGBELLY	25" X 26"	6	05/ L-4.5		
SF-2		BIKE RACKS	ALUMINUM TEXTURE	OLYMPIA	FORMS + SURFACES	7' X 3" X 35.6"	25	01/ L-4.4		
SF-3		DRINKING FOUNTAIN	STAINLESS STEEL	GRQ44 W/ PUSH BUTTON JUG FILLER	MURDOCK	49 "	4	04/ L-4.5		
SF-4		CONCRETE PICNIC TABLE	NATURAL	TBD	TBD	10'	8	03/ L-4.3		
SF-5		PRECAST CONCRETE PICNIC BENCH	NATURAL	TBD	TBD	10'	7	02-03/ L-4.4		REFER TO ISLAND WIDE STANDARD
SF-6		BOLLARD	NATURAL	LITE CRETE/ QR-9B	QUICK CRETE PRODUCTS CORP	30" X 9"	6	03/ L-4.5		REFER TO ISLAND WIDE STANDARD
SF-7		OPERABLE BOLLARD	NATURAL	LITE CRETE/ QR-9B-R	QUICK CRETE PRODUCTS CORP	30" X 9"	18	02/ L-4.5		

LIGHTING SCHEDULE (SF)

KEY	SYMBOL	DESCRIPTION	COLOR/FINISH	MATERIAL/MODEL	MANUFACTURER/ SUPPLIER	SIZE	QUANTITY	DETAIL(S)	SPEC SECTION	COMMENTS
SL		SITE LIGHT	15 RTS - 15' ROUND TAPERED STEEL/SG-SILVER GREY	VAREDO 650 S	HESS	15'	59	01/ L-4.5		

FENCE AND WALL SCHEDULE (VARIES)

KEY	SYMBOL	DESCRIPTION	COLOR/FINISH	MATERIAL/MODEL	MANUFACTURER/ SUPPLIER	SIZE	QUANTITY	DETAIL(S)	SPEC SECTION	COMMENTS
GS		GREEN SCREEN	SILVER	FREESTANDING TRELLIS WALL	GREENSCREEN	STANDARD 4' X 6'	660 LF	04/L-4.6		
RG		ROLLER GATE	CAL GREY	V WHEEL ROLLER GATE	AMETCO GATE SYSTEMS		5	03/L-4.6		
G		GATE	STEEL/CAL GREY	SWING GATE	AMETCO GATE SYSTEMS		3	05/L-4.6		
CF		CHAINLINK FENCE	GALVANIZED STEEL	I-1130 ROUND END POSTS WITH TOP RAIL AND WITHOUT BARBED WIRE	MASTER HALO		340 LF	06/L-4.6		
F		FENCE	CAL GRAY	STEEL/GROTTO	AMETCO ARCHITECTURAL PRODUCTS		82 LF			
PF		PLANTER FENCE					1,483 LF	01/L-4.6		
FB		FENCE UNDER BOARDWALK					850 LF	02/L-4.6		

PRESERVING SITE FURNISHING SCHEDULE (PSF)

SYMBOL	DESCRIPTION	QUANTITY	DETAIL(S)	SPEC SECTION	COMMENTS
	SITE LIGHT	17			
	FIELD LIGHT	32			
	BLEACHER	8			

LANDSCAPE LIMIT OF WORK

THE CITY OF LOS ANGELES OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF ELECTRONIC COPIES OF THIS PLAN SHEET.

REVISION DATES (DESIGN STAGE ONLY)

BUREAU OF ENGINEERING
CITY OF LOS ANGELES
ENGINEERING

NO. REVISIONS: DATE: BY:

BUILDING NO.

INDEX NO. -

RP 300094

LICENSED LANDSCAPE ARCHITECT
ZACK B FREEDMAN 5582
Signature
Renewal Date 12/20/2016
Date
STATE OF CALIFORNIA

BID SUBMITTAL - NOT FOR CONSTRUCTION

CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS

GARY LEE MOORE, PE, ENV SP CITY ENGINEER
ARCHITECTURAL DIVISION
LIC. NO. LA-5582
ARCHITECT: ZACK FREEDMAN, PLA
DESIGNED BY: HOOD DESIGN STUDIO
DRAWN BY: YDI
CHECKED BY: ADS
APPROVED BY: MAHMOOD KARIMZADEH, A.I.A., PRINCIPAL ARCHITECT
DATE:

VERTICAL CONTROL:
HORIZONTAL CONTROL:

SHEET TITLE: LEGENDS

PROJECT: RANCHO CIENEGA SPORTS COMPLEX

ADDRESS: 5001 RODEO ROAD LOS ANGELES, CA 90016

BUREAU OF ENGINEERING
OFFICIAL RECORD

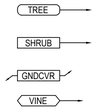
WORK ORDER NO. E1907694
PLAN FILE NO.
DRAWING NO. L-0.1
SHEET OF SHEETS

PLOTTED: 12/12/2016 12:46 PM

TREE LEGEND

SYMBOL	QTY.	SIZE	SPACING	LATIN NAME/COMMON NAME	WUCOLS	REMARKS
	TREES					
	41	48" BOX	as shown	Arbutus 'Marina' / Marina Strawberry Tree	Low	
	7	48" BOX	as shown	Fraxinus velutina / Velvet Ash	Moderate	
	13	48" BOX	as shown	Geijera parviflora / Australian Willow	Low	
	42	48" BOX	as shown	Parkinsonia aculeata / Mexican Palo Verde	Low	
	20	48" BOX	as shown	Pinus torreyana / Torrey Pine	Low	
	9	60" BOX	as shown	Pinus torreyana / Torrey Pine	Low	
	17	48" BOX	as shown	Platanus mexicana 'Alamo' / Alamo Sycamore	Moderate	
	14	48" BOX	as shown	Quercus engelmannii / Engelmann Oak	Very Low	
	7	48" BOX	as shown	Quercus tomentella / Island Oak	Low	
	4	48" BOX	as shown	Tipuana tipu / Tipa	Low	
	88	N/A	as shown	Existing Tree	N/A	Protect in place

PLANT CALLOUT KEY:



PHASE I - MOHAVE PALETTE

TREE LEGEND

SYMBOL	QTY.	SIZE	SPACING	LATIN NAME/COMMON NAME	WUCOLS	REMARKS
	TREES					
	1	48" BOX	as shown	Arbutus 'Marina' / Marina Strawberry Tree	Low	
	2	48" BOX	as shown	Geijera parviflora / Australian Willow	Low	
	51	48" BOX	as shown	Acacia stenophylla / Shoestring Acacia	Low	
	6	48" BOX	as shown	Pinus torreyana / Torrey Pine	Low	

SHRUB/GC/VINE LEGEND

SYMBOL	QTY.	SIZE	SPACING	LATIN NAME/COMMON NAME	WUCOLS	REMARKS
	SHRUBS					
	8	1 Gal	36" O.C.	Achillea 'Island Pink'	Low	Full Can
	11	5 Gal	60" O.C.	Agave attenuata 'Nova'	Low	Full Can
	83	5 Gal	54" O.C.	Agave 'Blue Flame'	Low	Full Can
	68	5 Gal	30" O.C.	Agave 'Blue Glow'	Low	Full Can
	46	5 Gal	60" O.C.	Agave geminiflora	Low	Full Can
	10	5 Gal	48" O.C.	Baccharis pilularis 'Pigeon Point'	Low	
	44	24" Box	72" O.C.	Dasylirion longissimum	Low	
	94	5 Gal	60" O.C.	Echinocactus grusonii	Low	Full Can
	11	5 Gal	36" O.C.	Encelia californica	Low	
	18	1 Gal	48" O.C.	Eriogonum fasciculatum 'Dana Point'	Low	Full Can
	204	5 Gal	36" O.C.	Hesperaloe parviflora	Very Low	
	11	1 Gal	36" O.C.	Muhlenbergia capillaris	Moderate	
	8	1 Gal	36" O.C.	Muhlenbergia dubia	Low	
	64	1 Gal	36" O.C.	Sedum nussbaumerianum	Low	
	17	1 Gal	24" O.C.	Solidago californica	Low	Full Can
	435	1 Gal	24" O.C.	Verbena lilacina 'De La Mina'	Low	Full Can
	8	1 Gal	36" O.C.	Viquiera lacanata	Low	Full Can

SHRUB/GC/VINE LEGEND

SYMBOL	QTY.	SIZE	SPACING	LATIN NAME/COMMON NAME	WUCOLS	REMARKS
	SHRUBS					
	96	1 Gal	36" O.C.	Achillea 'Island Pink'	Low	Full Can
	11	5 Gal	60" O.C.	Agave attenuata 'Nova'	Low	Full Can
	78	5 Gal	48" O.C.	Agave 'Blue Flame'	Low	Full Can
	60	5 Gal	30" O.C.	Agave 'Blue Glow'	Low	Full Can
	42	5 Gal	48" O.C.	Agave geminiflora	Low	Full Can
	117	5 Gal	48" O.C.	Baccharis pilularis 'Pigeon Point'	Low	
	243	5 Gal	48" O.C.	Ceanothus maritimus 'Frosty Dawn'	Low	
	78	5 Gal	60" O.C.	Ceanothus 'Joyce Coulter'	Low	
	62	5 Gal	48" O.C.	Ceanothus 'Yankee Point'	Low	
	44	15 Gal	72" O.C.	Dasylirion longissimum	Low	
	90	5 Gal	48" O.C.	Echinocactus grusonii	Low	
	176	1 Gal	36" O.C.	Encelia californica	Low	Full Can
	53	1 Gal	48" O.C.	Eriogonum cinereum	Very Low	Full Can
	75	1 Gal	48" O.C.	Eriogonum giganteum	Low	Full Can
	219	1 Gal	48" O.C.	Eriogonum fasciculatum 'Dana Point'	Low	Full Can
	204	5 Gal	36" O.C.	Hesperaloe parviflora	Very Low	
	175	1 Gal	36" O.C.	Juncus acutus	Low	
	338	1 Gal	24" O.C.	Juncus patens	Low	
	413	1 Gal	36" O.C.	Leymus condensatus 'Canyon Prince'	Low	
	180	1 Gal	36" O.C.	Muhlenbergia capillaris	Moderate	
	95	1 Gal	36" O.C.	Muhlenbergia dubia	Low	
	273	1 Gal	48" O.C.	Muhlenbergia rigens	Low	
	214	1 Gal	36" O.C.	Salvia chaemaedryoides	Low	Full Can
	164	1 Gal	36" O.C.	Salvia 'Pozo Blue'	Low	Full Can
	65	1 Gal	48" O.C.	Salvia leucophylla 'Point Sal'	Low	Full Can
	64	1 Gal	24" O.C.	Sedum nussbaumerianum	Low	
	220	1 Gal	24" O.C.	Solidago californica	Low	Full Can
	321	1 Gal	24" O.C.	Sporobolis airoides	Low	Full Can
	435	1 Gal	24" O.C.	Verbena lilacina 'De La Mina'	Low	Full Can
	179	1 Gal	36" O.C.	Viguiera lacanata	Low	Full Can
	GROUNDCOVERS					
	5,260 SF	Plugs	12" O.C.	Carex divulsa	Low	
	16,843 SF	Plugs	12" O.C.	Carex flacca	Low	
	590 SF	Plugs	12" O.C.	Carex praegracilis	Moderate	
	179,760 SF	Seed	As Shown	City of LA Sports Field Mix	High	Bermuda/Dwarf Kikuyu Blend
	190,160 SF	N/A	N/A	(E) Grass Fields	N/A	
	VINES					
	15	5 Gal	8' O.C.	Macfadyena unguis-cati	Low	
	14	5 Gal	8' O.C.	Mascagnia lilacina	Low	
	66	5 Gal	24" O.C.	Mascagnia macroptera	Low	
	26	5 Gal	24" O.C.	Pyrostegia venusta	Low	

BUREAU OF ENGINEERING
OFFICIAL RECORD

BID SUBMITTAL - NOT FOR CONSTRUCTION

CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS BUREAU OF ENGINEERING

ENGINEERING
CITY OF LOS ANGELES

BUILDING NO.

INDEX NO. -

RP 300094

LICENSED LANDSCAPE ARCHITECT
ZACK D FREEDMAN
Signature
05/31/18
Renewal Date
12/09/18
Date
STATE OF CALIFORNIA

NO.	REVISIONS:	DATE:	BY:

GARY LEE MOORE, PE, ENV SP CITY ENGINEER
ARCHITECTURAL DIVISION
LIC. NO. LA-5582
ARCHITECT: ZACK FREEDMAN, PLA
DESIGNED BY: HOOD DESIGN STUDIO
DRAWN BY: YDI
CHECKED BY: ADS
APPROVED BY: MAHMOOD KARIMZADEH, A.I.A., PRINCIPAL ARCHITECT

DATE:

VERTICAL CONTROL:
HORIZONTAL CONTROL:

SHEET TITLE: LEGENDS
PROJECT: RANCHO CIENEGA SPORTS COMPLEX
ADDRESS: 5001 RODEO ROAD
LOS ANGELES, CA 90016

WORK ORDER NO. E1907694
PLAN FILE NO.
DRAWING NO. L-0.2
SHEET OF SHEETS

PLOTTED: 12/9/2016 4:35 PM

THE CITY OF LOS ANGELES OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF ELECTRONIC COPIES OF THIS PLAN SHEET.

REVISION DATES (DESIGN STAGE ONLY)

12/9/2016 4:35:33 PM

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EXPOSITION BLVD.

MATCHLINE

MATCHLINE

SHEETS: L-1.1
L-2.1
L-5.1
LI-6.1

SHEETS: L-1.2
L-2.2
L-5.2
LI-6.2

SHEETS: L-1.3
L-2.3
L-5.3
L-6.3

MATCHLINE

MATCHLINE

MATCHLINE

SHEETS: L-1.4
L-2.4
L-5.4
LI-6.4

SHEETS: L-1.5
L-2.5
L-5.5
LI-6.5

SHEETS: L-1.6
L-2.6
L-5.6
L-6.6

MATCHLINE

MATCHLINE

MATCHLINE

MATCHLINE

MATCHLINE

MATCHLINE

SHEETS: L-1.7
L-2.7
L-5.7
L-6.7

SHEETS: L-1.8
L-2.8
L-5.8
L-6.8

SHEETS: L-1.9
L-2.9
L-5.9
L-6.9

RODEO ROAD

RODEO ROAD

BUREAU OF ENGINEERING
OFFICIAL RECORD

01 KEY PLAN
1/60"=1'-0"

GRAPHIC SCALE
60 30 0 30 60 120
1" = 60'-0"

BID SUBMITTAL - NOT FOR CONSTRUCTION

CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS

BUREAU OF ENGINEERING

ENGINEERING
CITY OF LOS ANGELES

BUILDING NO.

INDEX NO. - RP 300094

NO. | REVISIONS: | DATE: | BY:

LICENSED LANDSCAPE ARCHITECT
ZACH FREEDMAN
No. 5582
Signature
05/31/18
Renewal Date
12/09/16
Date
STATE OF CALIFORNIA

GARY LEE MOORE, PE, ENV SP CITY ENGINEER DATE:
ARCHITECTURAL DIVISION
ARCHITECT: ZACK FREEDMAN, PLA LIC. NO. LA-5582
DESIGNED BY: HOOD DESIGN STUDIO
DRAWN BY: YDI
CHECKED BY: ADS
APPROVED BY: MAHMOOD KARIMZADEH, A.I.A., PRINCIPAL ARCHITECT

VERTICAL CONTROL:
HORIZONTAL CONTROL:

SHEET TITLE: KEY PLAN

PROJECT: RANCHO CIENEGA SPORTS COMPLEX

ADDRESS: 5001 RODEO ROAD
LOS ANGELES, CA 90016

WORK ORDER NO. E1907694

PLAN FILE NO.

DRAWING NO. L-0.3

SHEET OF SHEETS

PLOTTED: 12/9/2016 4:35 PM

REVISION DATES (DESIGN STAGE ONLY)

12/9/2016 4:35:37 PM

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PROPERTY LINE

W EXPOSITION BLVD

(E) SKATE PARK TO REMAIN

(E) SOCCER FIELD TO REMAIN

(E) BUILDING TO REMAIN

(E) BALL FIELDS TO REMAIN

(E) JACKIE ROBINSON STADIUM TO REMAIN

(E) BUILDING TO BE DEMOLISHED

(E) CHILDCARE CENTER TO REMAIN

(E) BUILDING TO BE DEMOLISHED

(E) BUILDING TO BE DEMOLISHED

(E) BUILDING TO BE DEMOLISHED IN PHASE 2

PROPERTY LINE

RODEO RD

EXISTING TREE LEGEND

SYMBOL	LATIN NAME/COMMON NAME	EXISTING	REMOVE	REMAIN
	Arbutus marina / Marina Strawberry Tree	5	1	4
	Callistemon sp./ Bottlebrush	1	0	1
	Chorisia speciosa / Silk Floss Tree	6	4	2
	Erythrina spp. / Coral Tree	3	3	0
	Eucalyptus spp.	4	4	0
	Eucalyptus citriodora / Lemon Eucalyptus	5	5	0
	Ficus nitidia / Iron Laurel Fig	13	7	6
	Liquidambar styraciflua / Sweetgum	16	3	13
	Magnolia grandiflora / Southern Magnolia	85	58	27
	Melaleuca spp.	1	1	0
	Pinus canariensis / Canary Island Pine	4	0	4
	Pistache chinensis / Chinese Pistachio	4	4	0
	Podocarpus spp.	1	0	1
	Prunus cerasifera / Plum	2	1	1
	Prunus ilicifolia / Catalina Cherry	3	3	0
	Pyrus spp.	1	1	0
	Quercus spp.	7	5	2
	Quercus alba / Eastern White Oak	2	2	0
	Schinus spp. / Pepper Tree	5	4	1
	Sequoia sempervirons / Coast Redwood	6	0	6
	Tipuana tipu / Tipa	3	1	2
	Ulmus parvifolia / Chinese elm	3	3	0
	Washingtonia robusta/ Mexican fan palm	1	1	0
	Additional species	6	0	6
	TOTAL	187	111	76

TREE TO BE PROTECTED IN PLACE

TREE TO BE REMOVED

TREE PROTECTION NOTES:

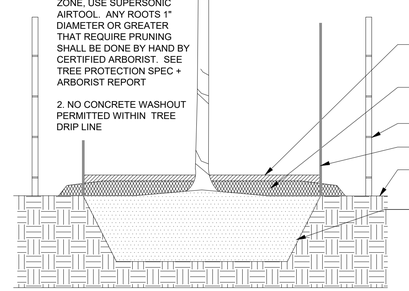
1. NO EQUIPMENT IS TO BE OPERATED OR PARKED UNDER A TREE, NOR IS ANY MATERIAL TO BE STORED WITHIN THE DRIPLINE OF A TREE OR LEANED AGAINST A TREE TRUNK. DO NOT PILE OR COMPACT SOIL WITHIN A DRIPLINE.
2. IN AREAS OF CONSTRUCTION, PROTECT SOIL SURFACE FROM TRAFFIC COMPACTION WITH 3" OF MULCH OR OVERLAPPING 3/4" PLYWOOD SHEETS.
3. NO SURFACE IRRIGATION SHALL BE INSTALLED WITHIN THE DRIPLINE OF A TREE.
4. ALL WORK SHALL BE IN ACCORDANCE WITH THE CITY OF LOS ANGELES DRP TREE PRESERVATION POLICY.
5. NO CHEMICAL HERBICIDES ARE TO BE USED WITHIN 100 FT. OF A TREE'S DRIPLINE.
6. DO NOT NAIL GRADE STAKES OR ANYTHING ELSE TO TREES.
7. ENCROACHMENT FROM PAVING OR STRUCTURES WITHIN THE DRIPLINE OF A TREE SHALL BE PERMITTED ONLY WITH WRITTEN AUTHORIZATION FROM THE DEPARTMENT'S ARBORIST. NO ENCROACHMENT WITHIN 10' OF A TREE TRUNK WILL BE PERMITTED UNDER ANY CIRCUMSTANCES.
8. DO NOT STRIP TOPSOIL AROUND TREES. ANY VEGETATION TO BE REMOVED SHOULD BE REMOVED BY CUTTING AT GROUND LEVEL RATHER THAN PULLING OUT BY EQUIPMENT.
9. USE A PNEUMATIC DRILL TO EXCAVATE UNDER WOODY ROOTS LARGER THAN 2" IN DIAMETER. DO NOT CUT ANY ROOT LARGER THAN 2" DIAMETER. IF ROOTS MUST BE SEVERED, CUTS ARE TO BE MADE BY AN ARBORIST AND SOIL BACKFILLED IMMEDIATELY.

BUREAU OF ENGINEERING
OFFICIAL RECORD

NOTE:

1. FOR EXCAVATION IN ROOT ZONE, USE SUPERSONIC AIRTOOL. ANY ROOTS 1" DIAMETER OR GREATER THAT REQUIRE PRUNING SHALL BE DONE BY HAND BY CERTIFIED ARBORIST. SEE TREE PROTECTION SPEC + ARBORIST REPORT

2. NO CONCRETE WASHOUT PERMITTED WITHIN TREE DRIP LINE



2 TREE PRESERVATION AND REMOVAL PLAN
SCALE: 1" = 50'-0"

1 TREE PRESERVATION DETAIL
SCALE: 1" = 50'-0"

DESIGN DATES (DESIGN STAGE ONLY)

BID SUBMITTAL - NOT FOR CONSTRUCTION

CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS BUREAU OF ENGINEERING

ENGINEERING
CITY OF LOS ANGELES

BUILDING NO. XX/XX

INDEX NO. -

RP 300094

NO. | REVISIONS: | DATE: | BY:

LICENSED LANDSCAPE ARCHITECT ZACK D FREEDMAN 5582
Signature
05/31/18
Renewal Date
12/09/16
Date
STATE OF CALIFORNIA

GARY LEE MOORE, PE, ENV SP CITY ENGINEER | DATE:
ARCHITECTURAL DIVISION
ARCHITECT: ZACK FREEDMAN, PLA | LIC. NO. LA-5582
DESIGNED BY: HOOD DESIGN
DRAWN BY:
CHECKED BY:
APPROVED BY: MAHMOOD KARMZADEH A.I.A., PRINCIPAL ARCHITECT

VERTICAL CONTROL:
HORIZONTAL CONTROL:

SHEET TITLE: TREE PRESERVATION AND REMOVAL PLAN

PROJECT: RANCHO CIENEGA SPORTS COMPLEX

ADDRESS: 5001 RODEO ROAD
LOS ANGELES, CA 90016

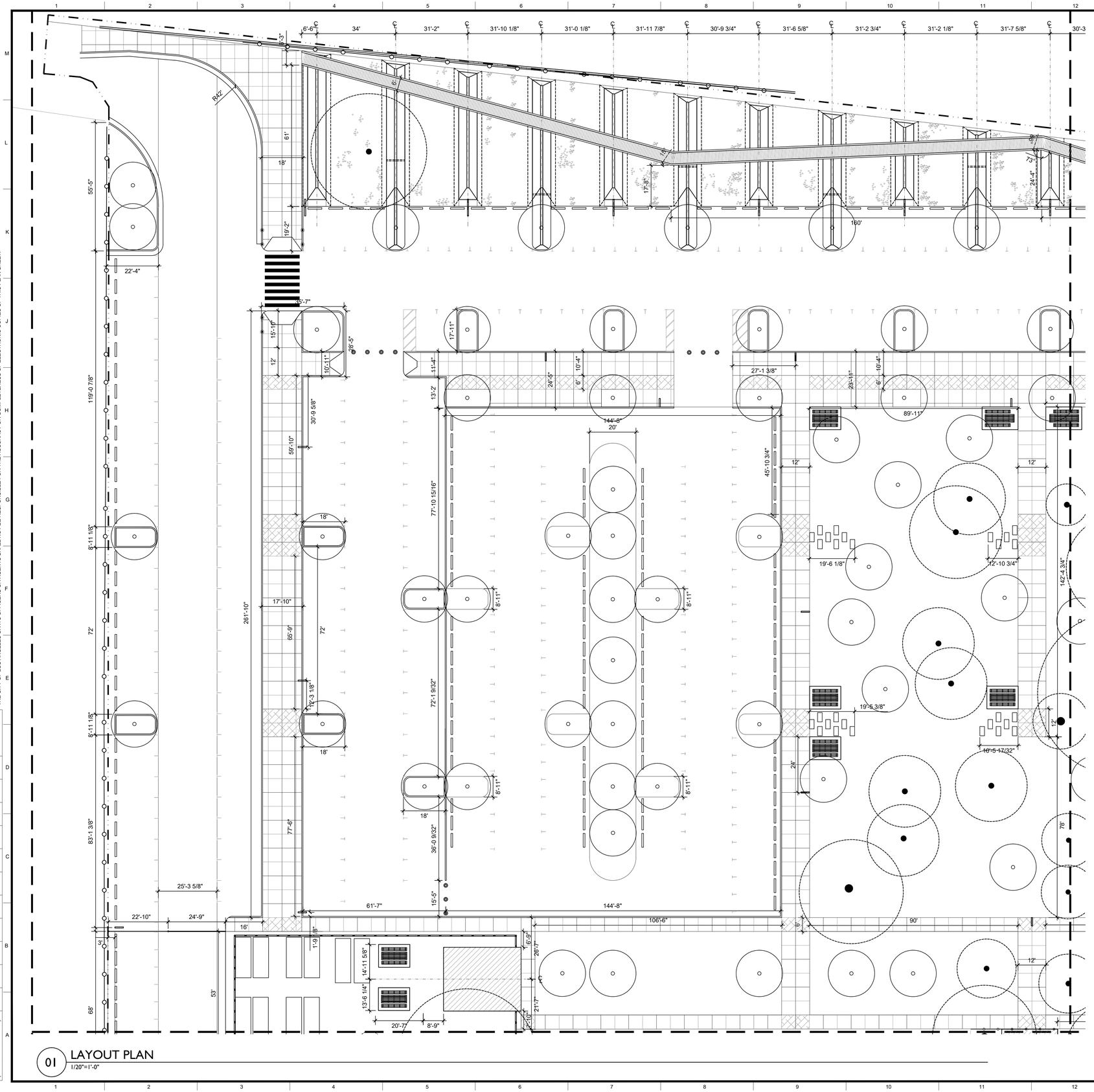
WORK ORDER NO. E1907694

PLAN FILE NO.

DRAWING NO. L-0.4

SHEET OF SHEETS

PLOTTED: 12/9/2016 12:08 PM



SITE FURNISHING SCHEDULE

KEY	SYMBOL	ITEM	DET'L / SH #	QTY.
SF-1		RECYCLING & WASTE BINS	05/ L-4.5	6
SF-2		BIKE RACKS	01/ L-4.4	83
SF-3		DRINKING FOUNTAIN	04/ L-4.5	4
SF-4		CONC. TABLE CAST-IN-PLACE CONC. BENCHES	03/ L-4.3	8
SF-5		DOUBLE BENCH	02-03/ L-4.4	7
SF-6		BOLLARD	03/ L-4.5	6
SF-7		OPERABLE BOLLARD	02/ L-4.5	15

LIGHTING SCHEDULE

KEY	SYMBOL	ITEM	DET'L / SH #	QTY.
SL		SITE LIGHT	01/ L-4.5	57

FENCE & WALL SCHEDULE

KEY	SYMBOL	ITEM	DET'L / SH #	QTY.
GS		GREEN SCREEN	04/ L-4.6	660 LF
RG		ROLLER GATE	03/ L-4.6	5
G		GATE	05/ L-4.6	3
CF		CHAINLINK FENCE	06/ L-4.6	340 LF
F		FENCE	05/ L-4.6	82 LF
PF		PLANTER FENCE	01/ L-4.6	1,483 LF
FB		FENCE UNDER BOARDWALK	02/ L-4.6	850 LF

PRESERVING SITE FURNISHING SCHEDULE

SYMBOL	ITEM	QTY.
	SITE LIGHT	17
	FIELD LIGHT	32
	(E) BLEACHER	8

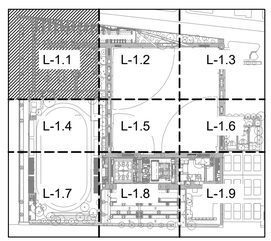
LANDSCAPE LIMIT OF WORK

LANDSCAPE LAYOUT NOTES

1. FOR OVERALL HORIZONTAL LAYOUT AND POINT OF ORIGIN REFER TO CIVIL.

2. ALL LANDSCAPE IMPROVEMENT LAYOUT IS MEASURED FROM FRONT OF CURB UNLESS OTHERWISE SHOWN ON DRAWING.

BUREAU OF ENGINEERING OFFICIAL RECORD



GRAPHIC SCALE

20 10 0 10 20 40

1" = 20'-0"

01 LAYOUT PLAN
1/20"=1'-0"

REVISION DATES (DESIGN STAGE ONLY)

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CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS BUREAU OF ENGINEERING

ENGINEERING CITY OF LOS ANGELES

BUILDING NO.

NO. REVISIONS: DATE: BY:

INDEX NO. - RP 300094

LICENSED LANDSCAPE ARCHITECT ZACK FREEDMAN
Signature 05/31/18
Renewal Date 12/26/18
Date
STATE OF CALIFORNIA

GARY LEE MOORE, PE, ENV SP CITY ENGINEER DATE:
ARCHITECTURAL DIVISION
ARCHITECT: ZACK FREEDMAN, PLA LIC. NO. LA-5582
DESIGNED BY: HOOD DESIGN STUDIO
DRAWN BY: YDI
CHECKED BY: ADS
APPROVED BY: MAHMOOD KARIMZADEH, A.I.A., PRINCIPAL ARCHITECT

VERTICAL CONTROL:
HORIZONTAL CONTROL:

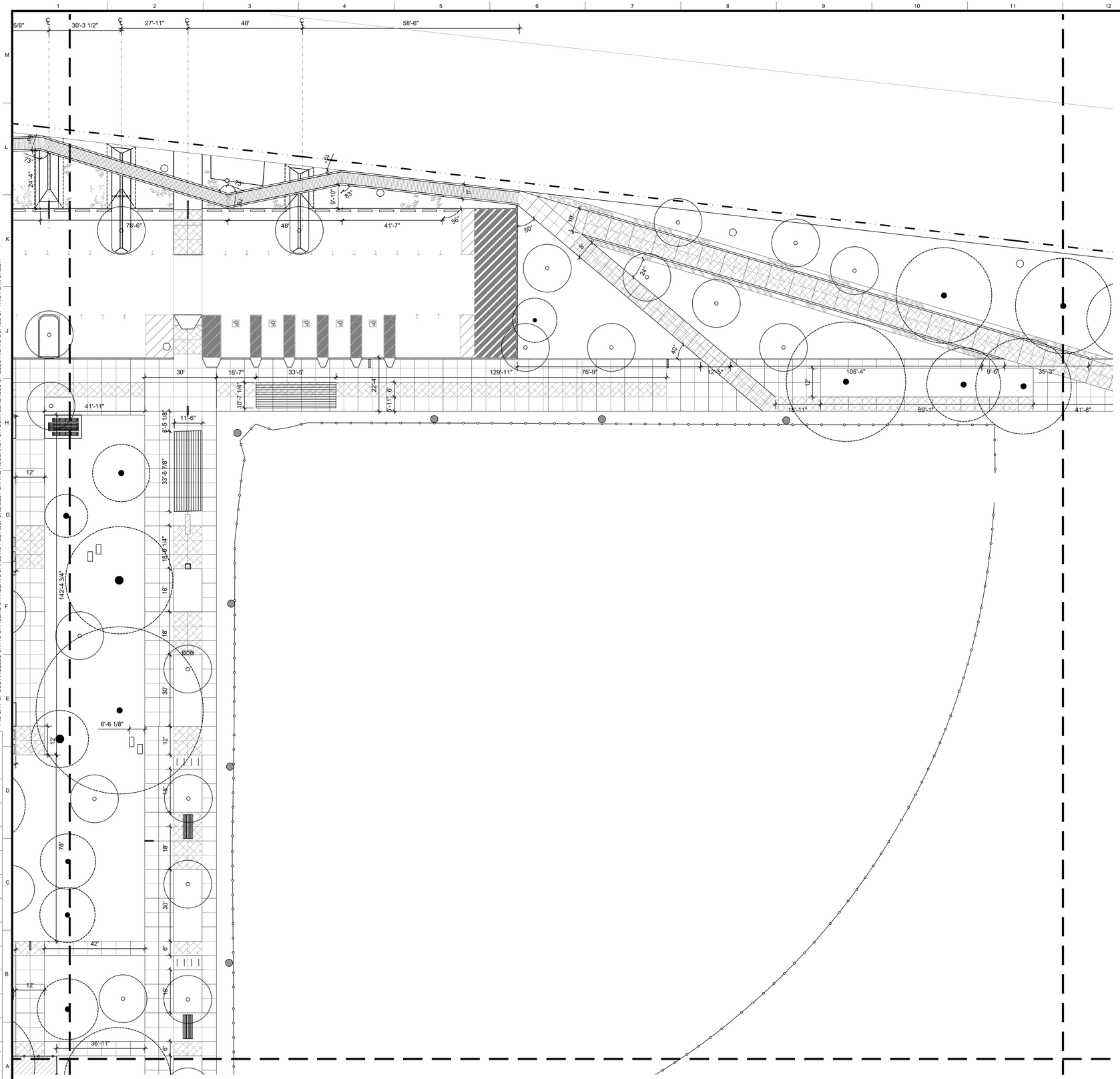
SHEET TITLE: LAYOUT PLAN

PROJECT: RANCHO CIENEGA SPORTS COMPLEX

ADDRESS: 5001 RODEO ROAD
LOS ANGELES, CA 90016

WORK ORDER NO. E1907694
PLAN FILE NO.
DRAWING NO. L-1.1
SHEET OF SHEETS

PLOTTED: 12/11/2016 12:14 PM



01 LAYOUT PLAN
1/20"=1'-0"

SITE FURNISHING SCHEDULE

KEY	SYMBOL	ITEM	DET'L / SH #	QTY.
SF-1		RECYCLING & WASTE BINS	05/ L-4.5	6
SF-2		BIKE RACKS	01/ L-4.4	83
SF-3		DRINKING FOUNTAIN	04/ L-4.5	4
SF-4		CONC. TABLE CAST-IN-PLACE CONC. BENCHES	03/ L-4.3	8
SF-5		DOUBLE BENCH	02-03/ L-4.4	7
SF-6		BOLLARD	03/ L-4.5	6
SF-7		OPERABLE BOLLARD	02/ L-4.5	15

LIGHTING SCHEDULE

KEY	SYMBOL	ITEM	DET'L / SH #	QTY.
SL		SITE LIGHT	01/ L-4.5	57

FENCE & WALL SCHEDULE

KEY	SYMBOL	ITEM	DET'L / SH #	QTY.
GS		GREEN SCREEN	04/ L-4.6	660 LF
RG		ROLLER GATE	03/ L-4.6	5
G		GATE	05/ L-4.6	3
CF		CHAINLINK FENCE	06/ L-4.6	340 LF
F		FENCE	05/ L-4.6	82 LF
PF		PLANTER FENCE	01/ L-4.6	1,483 LF
FB		FENCE UNDER BOARDWALK	02/ L-4.6	850 LF

PRESERVING SITE FURNISHING SCHEDULE

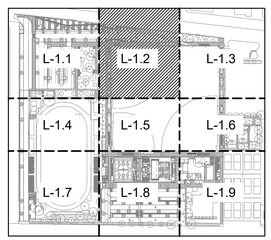
SYMBOL	ITEM	QTY.
	SITE LIGHT	17
	FIELD LIGHT	32
	(E) BLEACHER	8

LANDSCAPE LIMIT OF WORK

LANDSCAPE LAYOUT NOTES

1. FOR OVERALL HORIZONTAL LAYOUT AND POINT OF ORIGIN REFER TO CIVIL.

2. ALL LANDSCAPE IMPROVEMENT LAYOUT IS MEASURED FROM FRONT OF CURB UNLESS OTHERWISE SHOWN ON DRAWING.



BUREAU OF ENGINEERING
OFFICIAL RECORD

GRAPHIC SCALE
20 10 0 10 20 40
1" = 20'-0"

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REVISION DATES (DESIGN STAGE ONLY)

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CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS BUREAU OF ENGINEERING

ENGINEERING
CITY OF LOS ANGELES

BUILDING NO.

NO. REVISIONS: DATE: BY:

INDEX NO. - RP 300094

LICENSED LANDSCAPE ARCHITECT
ZACK FREEDMAN
Signature
05/31/18
Renewal Date
12/26/16
Date
STATE OF CALIFORNIA

GARY LEE MOORE, PE, ENV SP CITY ENGINEER
ARCHITECTURAL DIVISION
ARCHITECT: ZACK FREEDMAN, PLA LIC. NO. LA-6582 DATE:
DESIGNED BY: HOOD DESIGN STUDIO
DRAWN BY: YDI
CHECKED BY: ADS
APPROVED BY: MAHMOOD KARIMZADEH, A.I.A., PRINCIPAL ARCHITECT

VERTICAL CONTROL:
HORIZONTAL CONTROL:

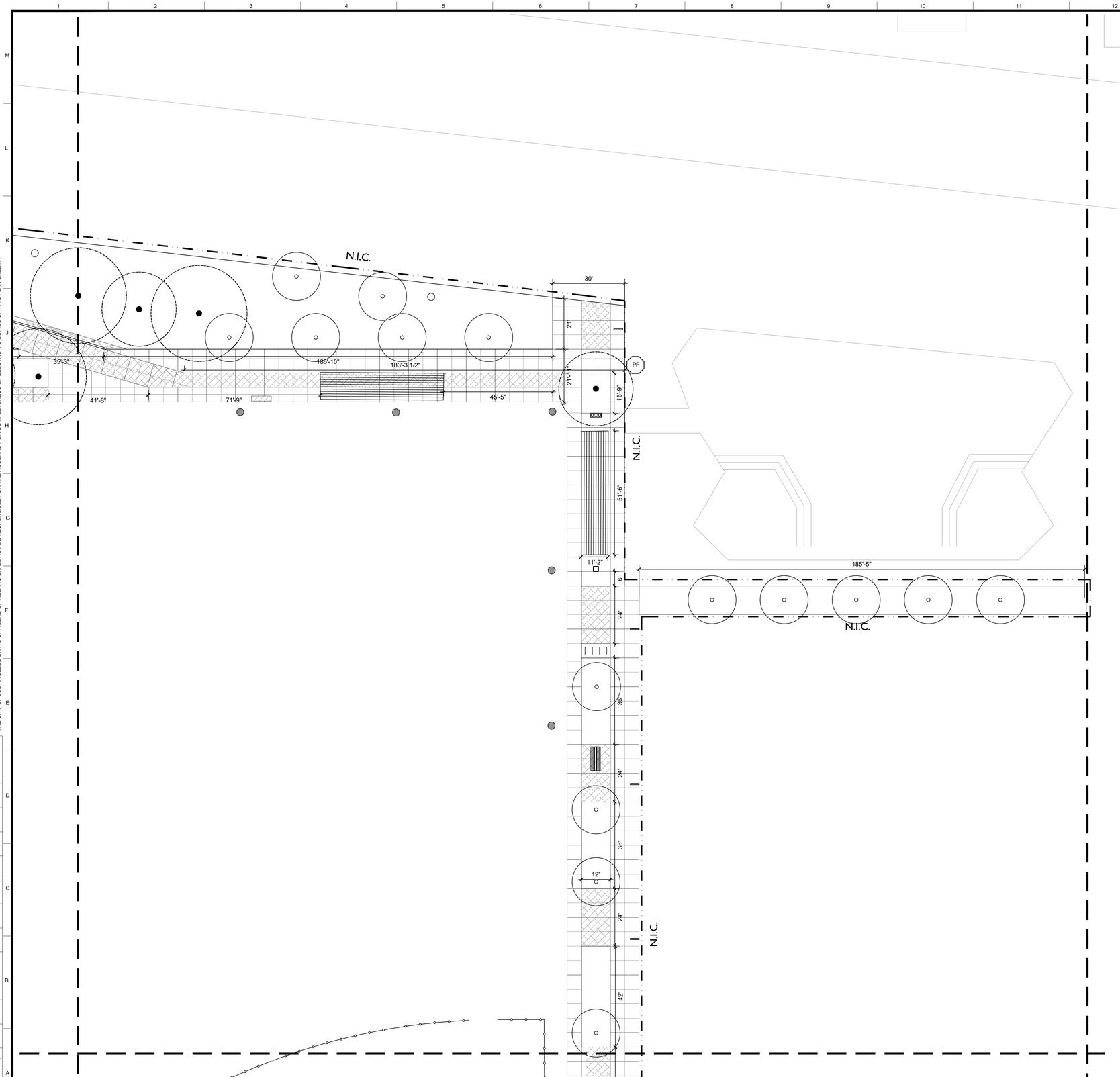
SHEET TITLE: MATERIALS PLAN

PROJECT: RANCHO CIENEGA SPORTS COMPLEX

ADDRESS: 5001 RODEO ROAD LOS ANGELES, CA 90016

WORK ORDER NO. E1907694
PLAN FILE NO.
DRAWING NO. L-1.2
SHEET OF SHEETS

PLOTTED: 12/11/2016 12:15 PM



01 LAYOUT PLAN
1/20"=1'-0"

SITE FURNISHING SCHEDULE

KEY	SYMBOL	ITEM	DET'L / SH #	QTY.
SF-1		RECYCLING & WASTE BINS	05/ L-4.5	6
SF-2		BIKE RACKS	01/ L-4.4	83
SF-3		DRINKING FOUNTAIN	04/ L-4.5	4
SF-4		CONC. TABLE CAST-IN-PLACE CONC. BENCHES	03/ L-4.3	8
SF-5		DOUBLE BENCH	02-03/ L-4.4	7
SF-6		BOLLARD	03/ L-4.5	6
SF-7		OPERABLE BOLLARD	02/ L-4.5	15

LIGHTING SCHEDULE

KEY	SYMBOL	ITEM	DET'L / SH #	QTY.
SL		SITE LIGHT	01/ L-4.5	57

FENCE & WALL SCHEDULE

KEY	SYMBOL	ITEM	DET'L / SH #	QTY.
GS		GREEN SCREEN	04/ L-4.6	660 LF
RG		ROLLER GATE	03/ L-4.6	5
G		GATE	05/ L-4.6	3
CF		CHAINLINK FENCE	06/ L-4.6	340 LF
F		FENCE	05/ L-4.6	82 LF
PF		PLANTER FENCE	01/ L-4.6	1,483 LF
FB		FENCE UNDER BOARDWALK	02/ L-4.6	850 LF

PRESERVING SITE FURNISHING SCHEDULE

SYMBOL	ITEM	QTY.
	SITE LIGHT	17
	FIELD LIGHT	32
	(E) BLEACHER	8

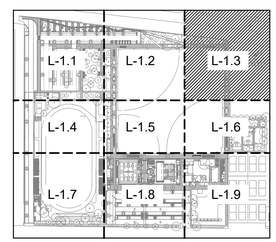
LANDSCAPE LIMIT OF WORK

LANDSCAPE LAYOUT NOTES

1. FOR OVERALL HORIZONTAL LAYOUT AND POINT OF ORIGIN REFER TO CIVIL.

2. ALL LANDSCAPE IMPROVEMENT LAYOUT IS MEASURED FROM FRONT OF CURB UNLESS OTHERWISE SHOWN ON DRAWING.

BUREAU OF ENGINEERING OFFICIAL RECORD



GRAPHIC SCALE
20 10 0 10 20 40
1" = 20'-0"

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REVISION DATES (DESIGN STAGE ONLY)

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CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS BUREAU OF ENGINEERING

ENGINEERING CITY OF LOS ANGELES

BUILDING NO.

INDEX NO. - RP 300094

NO. | REVISIONS: | DATE: | BY:

LICENSED LANDSCAPE ARCHITECT ZACK FREEDMAN 5582 Signature 05/31/18 Renewal Date 12/26/18 Date STATE OF CALIFORNIA

GARY LEE MOORE, PE, ENV SP CITY ENGINEER
ARCHITECTURAL DIVISION
ARCHITECT: ZACK FREEDMAN, PLA LIC. NO. LA-5582 DATE:
DESIGNED BY: HOOD DESIGN STUDIO
DRAWN BY:
CHECKED BY:
APPROVED BY: MAHMOOD KARIMZADEH, A.I.A., PRINCIPAL ARCHITECT

VERTICAL CONTROL:
HORIZONTAL CONTROL:

SHEET TITLE: LAYOUT PLAN

PROJECT: RANCHO CIENEGA SPORTS COMPLEX

ADDRESS: 5001 RODEO ROAD LOS ANGELES, CA 90016

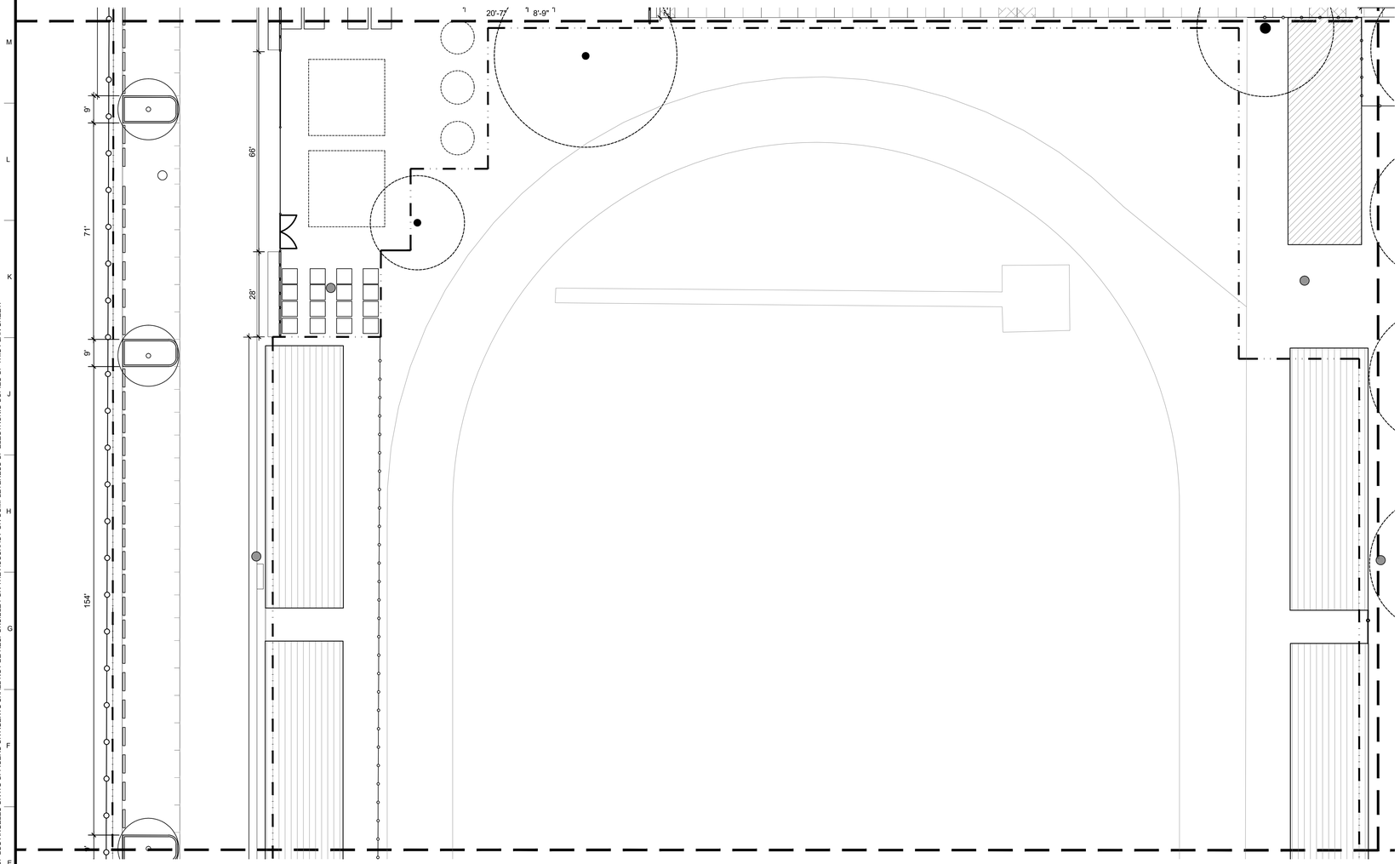
WORK ORDER NO. E1907694

PLAN FILE NO.

DRAWING NO. L-1.3

SHEET OF SHEETS

PLOTTED: 12/11/2016 12:17 PM



01 LAYOUT PLAN
1/20"=1'-0"

SITE FURNISHING SCHEDULE

KEY	SYMBOL	ITEM	DET'L / SH #	QTY.
SF-1		RECYCLING & WASTE BINS	05/ L-4.5	6
SF-2		BIKE RACKS	01/ L-4.4	83
SF-3		DRINKING FOUNTAIN	04/ L-4.5	4
SF-4		CONC. TABLE CAST-IN-PLACE CONC. BENCHES	03/ L-4.3	8
SF-5		DOUBLE BENCH	02-03/ L-4.4	7
SF-6		BOLLARD	03/ L-4.5	6
SF-7		OPERABLE BOLLARD	02/ L-4.5	15

LIGHTING SCHEDULE

KEY	SYMBOL	ITEM	DET'L / SH #	QTY.
SL		SITE LIGHT	01/ L-4.5	57

FENCE & WALL SCHEDULE

KEY	SYMBOL	ITEM	DET'L / SH #	QTY.
GS		GREEN SCREEN	04/ L-4.6	660 LF
RG		ROLLER GATE	03/ L-4.6	5
G		GATE	05/ L-4.6	3
CF		CHAINLINK FENCE	06/ L-4.6	340 LF
F		FENCE	05/ L-4.6	82 LF
PF		PLANTER FENCE	01/ L-4.6	1,483 LF
FB		FENCE UNDER BOARDWALK	02/ L-4.6	850 LF

PRESERVING SITE FURNISHING SCHEDULE

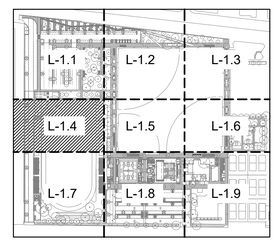
SYMBOL	ITEM	QTY.
	SITE LIGHT	17
	FIELD LIGHT	32
	(E) BLEACHER	8

LANDSCAPE LIMIT OF WORK

LANDSCAPE LAYOUT NOTES

1. FOR OVERALL HORIZONTAL LAYOUT AND POINT OF ORIGIN REFER TO CIVIL.

2. ALL LANDSCAPE IMPROVEMENT LAYOUT IS MEASURED FROM FRONT OF CURB UNLESS OTHERWISE SHOWN ON DRAWING.



BUREAU OF ENGINEERING
OFFICIAL RECORD

GRAPHIC SCALE
20 10 0 10 20 40
1" = 20'-0"

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REVISION DATES (DESIGN STAGE ONLY)

CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS BUREAU OF ENGINEERING

BID SUBMITTAL - NOT FOR CONSTRUCTION

ENGINEERING
CITY OF LOS ANGELES

BUILDING NO.

INDEX NO. - RP 300094

NO. | REVISIONS: | DATE: | BY:

LICENSED LANDSCAPE ARCHITECT
AGNES FREEDMAN GRIMM
Signature
05/31/18
Renewal Date
12/26/18
Date
STATE OF CALIFORNIA

GARY LEE MOORE, PE, ENV SP CITY ENGINEER
ARCHITECTURAL DIVISION
ARCHITECT: ZACK FREEDMAN, PLA LIC. NO. LA-5582 DATE:
DESIGNED BY: HOOD DESIGN STUDIO
DRAWN BY: YDI
CHECKED BY: ADS
APPROVED BY: MAHMOOD KARIMZADEH, A.I.A., PRINCIPAL ARCHITECT

VERTICAL CONTROL:
HORIZONTAL CONTROL:

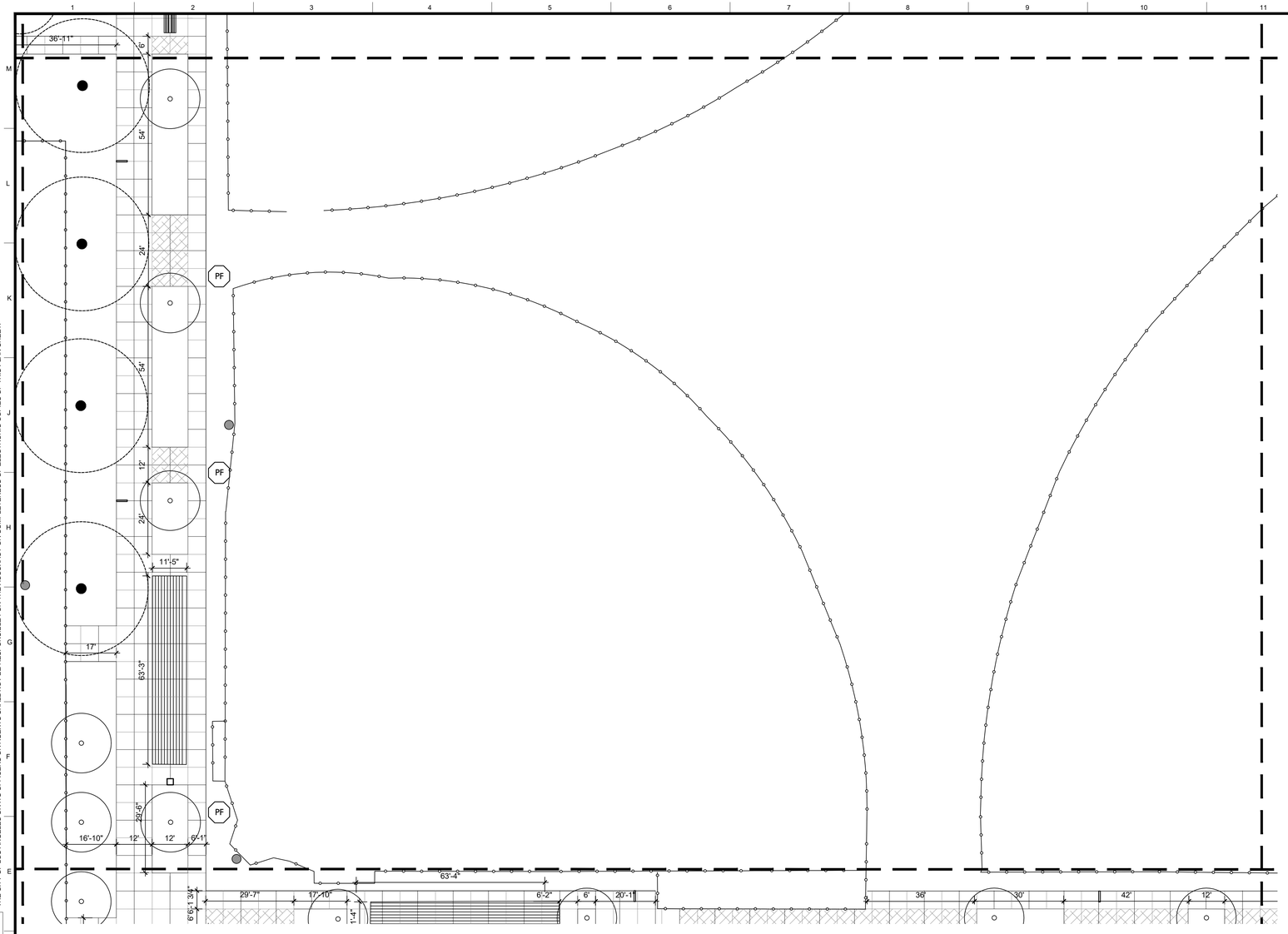
SHEET TITLE: LAYOUT PLAN

PROJECT: RANCHO CIENEGA SPORTS COMPLEX

ADDRESS: 5001 RODEO ROAD
LOS ANGELES, CA 90016

WORK ORDER NO. E1907694
PLAN FILE NO.
DRAWING NO. L-1.4
SHEET OF SHEETS

PLOTTED: 12/11/2016 12:18 PM



01 LAYOUT PLAN
1/20"=1'-0"

SITE FURNISHING SCHEDULE

KEY	SYMBOL	ITEM	DET'L / SH #	QTY.
SF-1		RECYCLING & WASTE BINS	05/ L-4.5	6
SF-2		BIKE RACKS	01/ L-4.4	83
SF-3		DRINKING FOUNTAIN	04/ L-4.5	4
SF-4		CONC. TABLE CAST-IN-PLACE CONC. BENCHES	03/ L-4.3	8
SF-5		DOUBLE BENCH	02-03/ L-4.4	7
SF-6		BOLLARD	03/ L-4.5	6
SF-7		OPERABLE BOLLARD	02/ L-4.5	15

LIGHTING SCHEDULE

KEY	SYMBOL	ITEM	DET'L / SH #	QTY.
SL		SITE LIGHT	01/ L-4.5	57

FENCE & WALL SCHEDULE

KEY	SYMBOL	ITEM	DET'L / SH #	QTY.
GS		GREEN SCREEN	04/ L-4.6	660 LF
RG		ROLLER GATE	03/ L-4.6	5
G		GATE	05/ L-4.6	3
CF		CHAINLINK FENCE	06/ L-4.6	340 LF
F		FENCE	05/ L-4.6	82 LF
PF		PLANTER FENCE	01/ L-4.6	1,483 LF
FB		FENCE UNDER BOARDWALK	02/ L-4.6	850 LF

PRESERVING SITE FURNISHING SCHEDULE

SYMBOL	ITEM	QTY.
	SITE LIGHT	17
	FIELD LIGHT	32
	(E) BLEACHER	8
	LANDSCAPE LIMIT OF WORK	

LANDSCAPE LAYOUT NOTES

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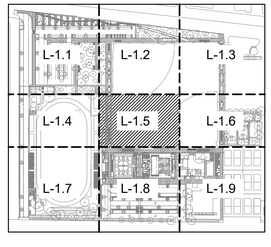

BUREAU OF ENGINEERING OFFICIAL RECORD

GRAPHIC SCALE
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ENGINEERING CITY OF LOS ANGELES

NO. | REVISIONS: | DATE: | BY:

BUILDING NO.

INDEX NO. - RP 300094

LICENSED LANDSCAPE ARCHITECT GARY LEE FREEDMAN
Signature 05/31/18
Renewal Date 12/26/18
Date
STATE OF CALIFORNIA

GARY LEE MOORE, PE, ENV SP CITY ENGINEER
ARCHITECTURAL DIVISION LIC. NO. LA-5582 DATE:
ARCHITECT: ZACK FREEDMAN, PLA
DESIGNED BY: HOOD DESIGN STUDIO
DRAWN BY: YDI
CHECKED BY: ADS
APPROVED BY: MAHMOOD KARIMZADEH, A.I.A., PRINCIPAL ARCHITECT

VERTICAL CONTROL:
HORIZONTAL CONTROL:

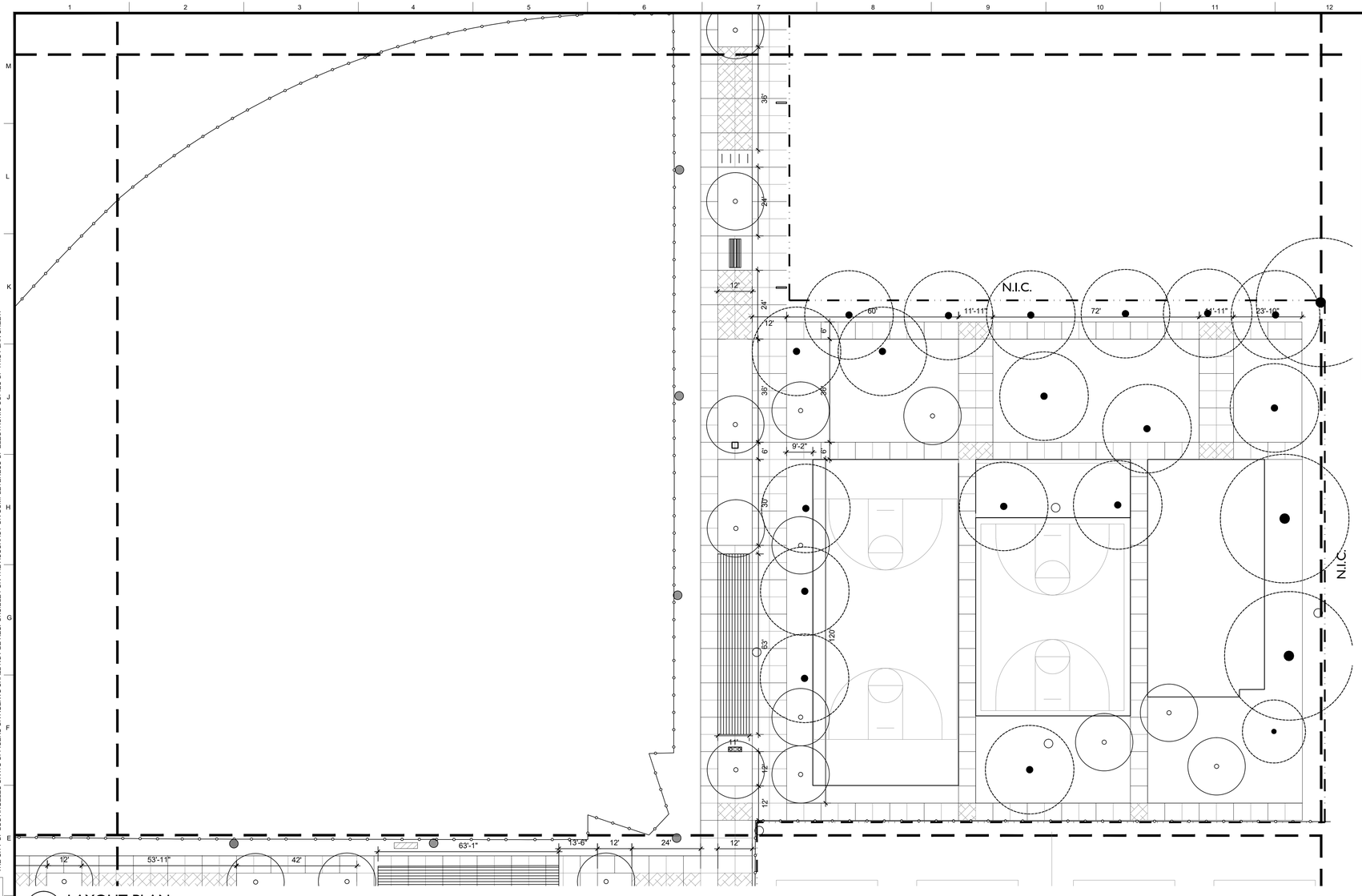
SHEET TITLE: LAYOUT PLAN

PROJECT: RANCHO CIENEGA SPORTS COMPLEX

ADDRESS: 5001 RODEO ROAD LOS ANGELES, CA 90016

WORK ORDER NO. E1907694
PLAN FILE NO.
DRAWING NO. L-1.5
SHEET OF SHEETS

PLOTTED: 12/11/2016 12:19 PM



01 LAYOUT PLAN
1/20"=1'-0"

SITE FURNISHING SCHEDULE

KEY	SYMBOL	ITEM	DET'L / SH #	QTY.
SF-1		RECYCLING & WASTE BINS	05/ L-4.5	6
SF-2		BIKE RACKS	01/ L-4.4	83
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SF-4		CONC. TABLE CAST-IN-PLACE CONC. BENCHES	03/ L-4.3	8
SF-5		DOUBLE BENCH	02-03/ L-4.4	7
SF-6		BOLLARD	03/ L-4.5	6
SF-7		OPERABLE BOLLARD	02/ L-4.5	15

LIGHTING SCHEDULE

KEY	SYMBOL	ITEM	DET'L / SH #	QTY.
SL		SITE LIGHT	01/ L-4.5	57

FENCE & WALL SCHEDULE

KEY	SYMBOL	ITEM	DET'L / SH #	QTY.
GS		GREEN SCREEN	04/ L-4.6	660 LF
RG		ROLLER GATE	03/ L-4.6	5
G		GATE	05/ L-4.6	3
CF		CHAINLINK FENCE	06/ L-4.6	340 LF
F		FENCE	05/ L-4.6	82 LF
PF		PLANTER FENCE	01/ L-4.6	1,483 LF
FB		FENCE UNDER BOARDWALK	02/ L-4.6	850 LF

PRESERVING SITE FURNISHING SCHEDULE

SYMBOL	ITEM	QTY.
	SITE LIGHT	17
	FIELD LIGHT	32
	(E) BLEACHER	8
	LANDSCAPE LIMIT OF WORK	

LANDSCAPE LAYOUT NOTES

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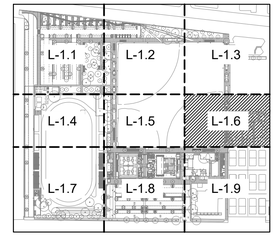

BUREAU OF ENGINEERING
OFFICIAL RECORD

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CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS BUREAU OF ENGINEERING

ENGINEERING CITY OF LOS ANGELES

BUILDING NO.

INDEX NO. -

RP 300094

LICENSED LANDSCAPE ARCHITECT
ZACHARY FREEDMAN
Signature
05/31/18
Renewal Date
12/26/18
Date
STATE OF CALIFORNIA

GARY LEE MOORE, PE, ENV SP CITY ENGINEER DATE:
ARCHITECTURAL DIVISION LIC. NO. LA-5582
ARCHITECT: ZACK FREEDMAN, PLA
DESIGNED BY: HOOD DESIGN STUDIO
DRAWN BY: YDI
CHECKED BY: ADS
APPROVED BY: MAHMOOD KARIMZADEH, A.I.A., PRINCIPAL ARCHITECT

VERTICAL CONTROL:
HORIZONTAL CONTROL:

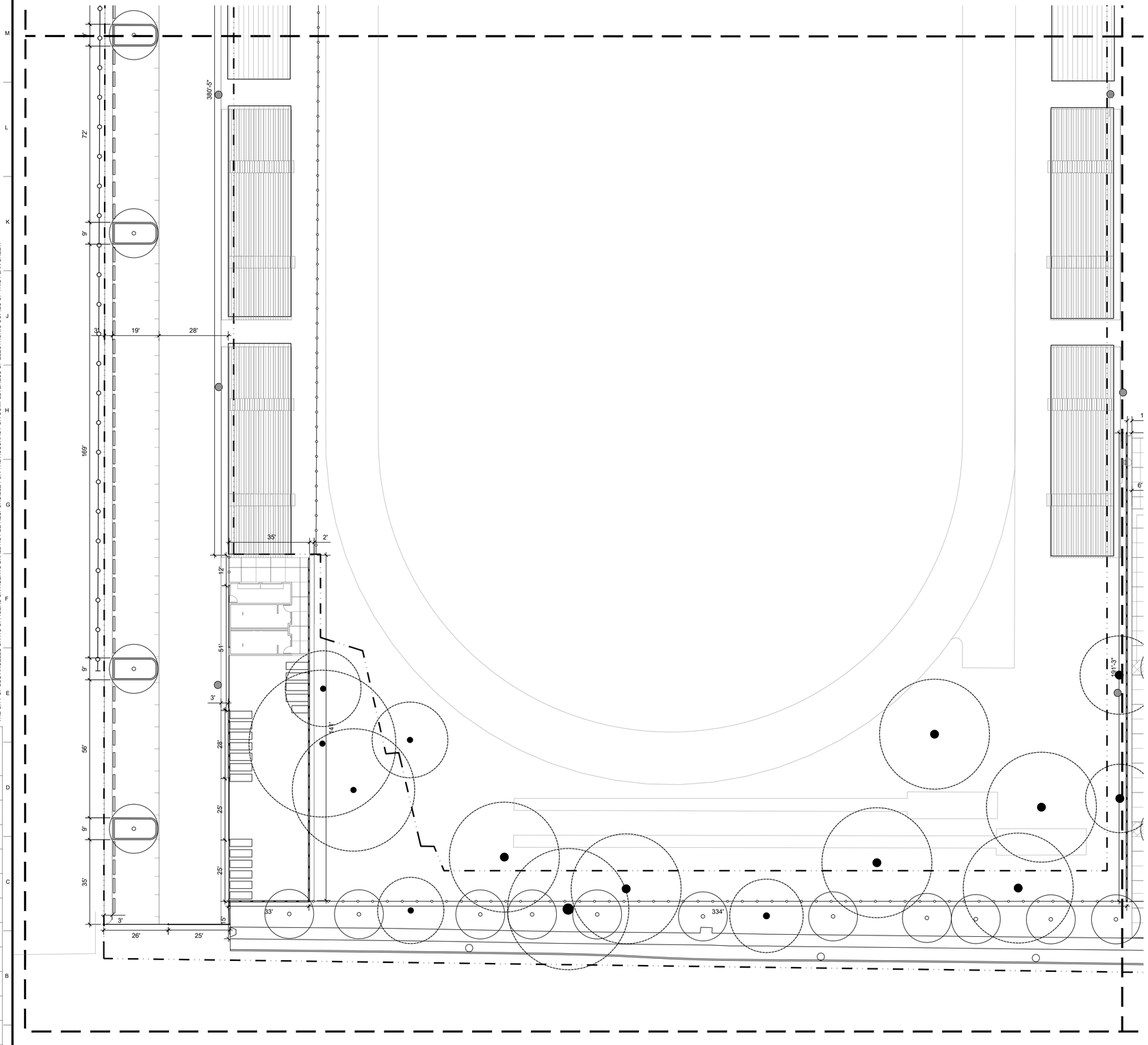
SHEET TITLE: LAYOUT PLAN

PROJECT: RANCHO CIENEGA SPORTS COMPLEX

ADDRESS: 5001 RODEO ROAD
LOS ANGELES, CA 90016

WORK ORDER NO. E1907694
PLAN FILE NO.
DRAWING NO. L-1.6
SHEET OF SHEETS

PLOTTED: 12/11/2016 12:23 PM



SITE FURNISHING SCHEDULE

KEY	SYMBOL	ITEM	DET'L / SH #	QTY.
SF-1		RECYCLING & WASTE BINS	05/ L-4.5	6
SF-2		BIKE RACKS	01/ L-4.4	83
SF-3		DRINKING FOUNTAIN	04/ L-4.5	4
SF-4		CONC. TABLE CAST-IN-PLACE CONC. BENCHES	03/ L-4.3	8
SF-5		DOUBLE BENCH	02-03/ L-4.4	7
SF-6		BOLLARD	03/ L-4.5	6
SF-7		OPERABLE BOLLARD	02/ L-4.5	15

LIGHTING SCHEDULE

KEY	SYMBOL	ITEM	DET'L / SH #	QTY.
SL		SITE LIGHT	01/ L-4.5	57

FENCE & WALL SCHEDULE

KEY	SYMBOL	ITEM	DET'L / SH #	QTY.
GS		GREEN SCREEN	04/ L-4.6	660 LF
RG		ROLLER GATE	03/ L-4.6	5
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CF		CHAINLINK FENCE	06/ L-4.6	340 LF
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PRESERVING SITE FURNISHING SCHEDULE

SYMBOL	ITEM	QTY.
	SITE LIGHT	17
	FIELD LIGHT	32
	(E) BLEACHER	8

LANDSCAPE LIMIT OF WORK

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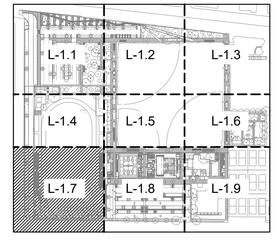

BUREAU OF ENGINEERING
OFFICIAL RECORD

GRAPHIC SCALE
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01 LAYOUT PLAN
1/20"=1'-0"

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ENGINEERING CITY OF LOS ANGELES

BUILDING NO.

INDEX NO. -

RP 300094

NO. | REVISIONS: | DATE: | BY:

LICENSED LANDSCAPE ARCHITECT ZACK FREEDMAN
Signature
05/31/18
Renewal Date
12/26/18
Date
STATE OF CALIFORNIA

GARY LEE MOORE, PE, ENV SP CITY ENGINEER
DATE:
ARCHITECTURAL DIVISION
ARCHITECT: ZACK FREEDMAN, PLA LIC. NO. LA-5582
DESIGNED BY: HOOD DESIGN STUDIO
DRAWN BY: YDI
CHECKED BY: ADS
APPROVED BY: MAHMOOD KARIMZADEH, A.I.A., PRINCIPAL ARCHITECT

VERTICAL CONTROL:
HORIZONTAL CONTROL:

SHEET TITLE: LAYOUT PLAN

PROJECT: RANCHO CIENEGA SPORTS COMPLEX

ADDRESS: 5001 RODEO ROAD LOS ANGELES, CA 90016

WORK ORDER NO. E1907694

PLAN FILE NO.

DRAWING NO. L-1.7

SHEET OF SHEETS

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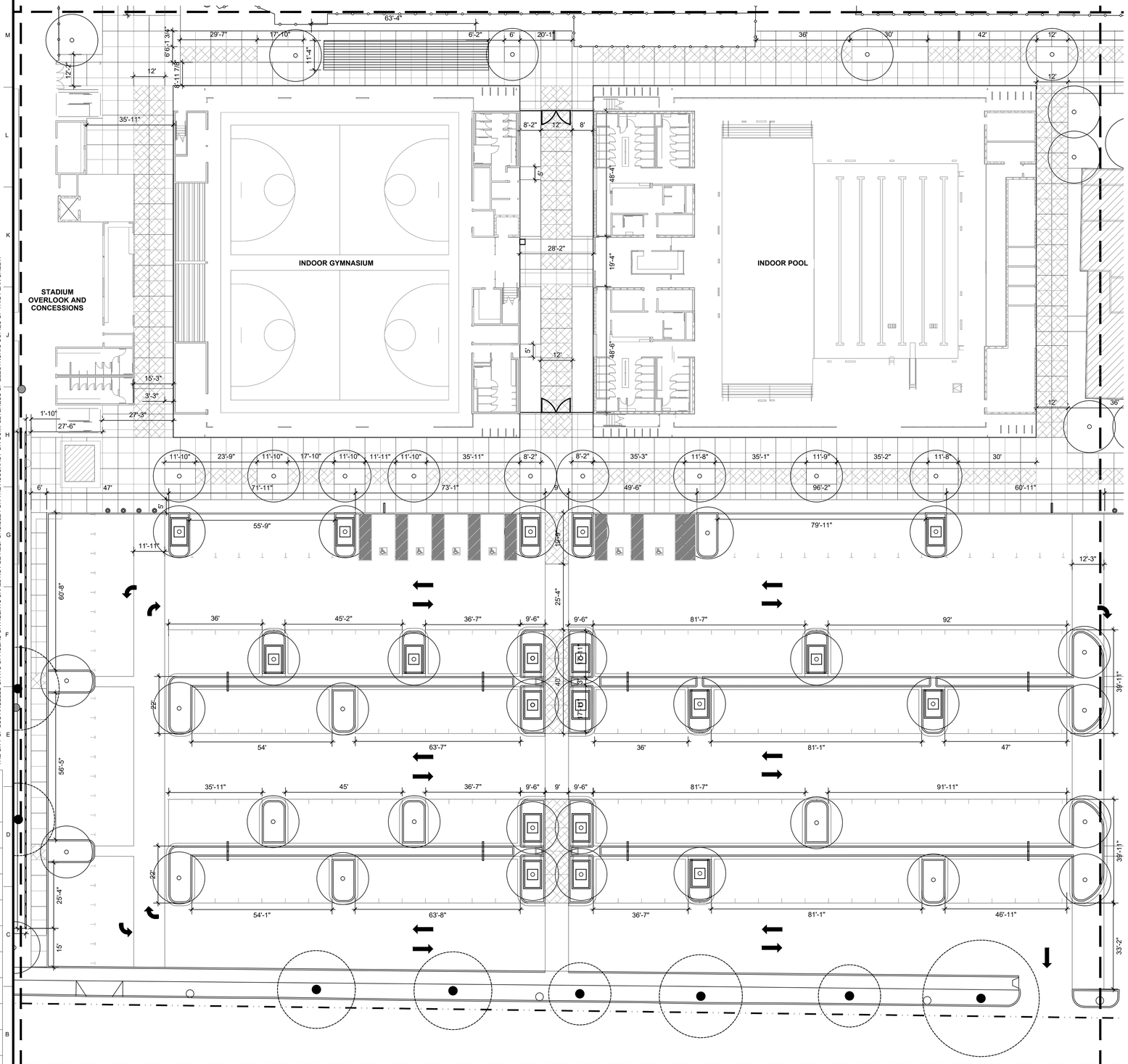

SITE FURNISHING SCHEDULE

KEY	SYMBOL	ITEM	DET'L / SH #	QTY.
SF-1		RECYCLING & WASTE BINS	05/ L-4.5	6
SF-2		BIKE RACKS	01/ L-4.4	83
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SF-4		CONC. TABLE CAST-IN-PLACE CONC. BENCHES	03/ L-4.3	8
SF-5		DOUBLE BENCH	02-03/ L-4.4	7
SF-6		BOLLARD	03/ L-4.5	6
SF-7		OPERABLE BOLLARD	02/ L-4.5	15

LIGHTING SCHEDULE

KEY	SYMBOL	ITEM	DET'L / SH #	QTY.
SL		SITE LIGHT	01/ L-4.5	57

FENCE & WALL SCHEDULE

KEY	SYMBOL	ITEM	DET'L / SH #	QTY.
GS		GREEN SCREEN	04/ L-4.6	660 LF
RG		ROLLER GATE	03/ L-4.6	5
G		GATE	05/ L-4.6	3
CF		CHAINLINK FENCE	06/ L-4.6	340 LF
F		FENCE	05/ L-4.6	82 LF
PF		PLANTER FENCE	01/ L-4.6	1,483 LF
FB		FENCE UNDER BOARDWALK	02/ L-4.6	850 LF

PRESERVING SITE FURNISHING SCHEDULE

SYMBOL	ITEM	QTY.
	SITE LIGHT	17
	FIELD LIGHT	32
	(E) BLEACHER	8

LANDSCAPE LIMIT OF WORK

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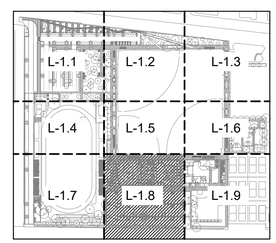

BUREAU OF ENGINEERING OFFICIAL RECORD

GRAPHIC SCALE
20 10 0 10 20 40
1" = 20'-0"

01 LAYOUT PLAN
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CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS BUREAU OF ENGINEERING

ENGINEERING CITY OF LOS ANGELES

NO. | REVISIONS: | DATE: | BY:

BUILDING NO.

INDEX NO. -

RP 300094

LICENSED LANDSCAPE ARCHITECT ZACK FREEDMAN 5582 Signature 05/31/18 Renewal Date 12/26/18 Date STATE OF CALIFORNIA

GARY LEE MOORE, PE, ENV SP CITY ENGINEER
ARCHITECTURAL DIVISION
ARCHITECT: ZACK FREEDMAN, PLA LIC. NO. LA-5582 DATE:
DESIGNED BY: HOOD DESIGN STUDIO
DRAWN BY: YDI
CHECKED BY: ADS
APPROVED BY: MAHMOOD KARIMZADEH, A.I.A., PRINCIPAL ARCHITECT

VERTICAL CONTROL:
HORIZONTAL CONTROL:

SHEET TITLE: LAYOUT PLAN

PROJECT: RANCHO CIENEGA SPORTS COMPLEX

ADDRESS: 5001 RODEO ROAD LOS ANGELES, CA 90016

WORK ORDER NO. E1907694

PLAN FILE NO.

DRAWING NO. L-1.8

SHEET OF SHEETS

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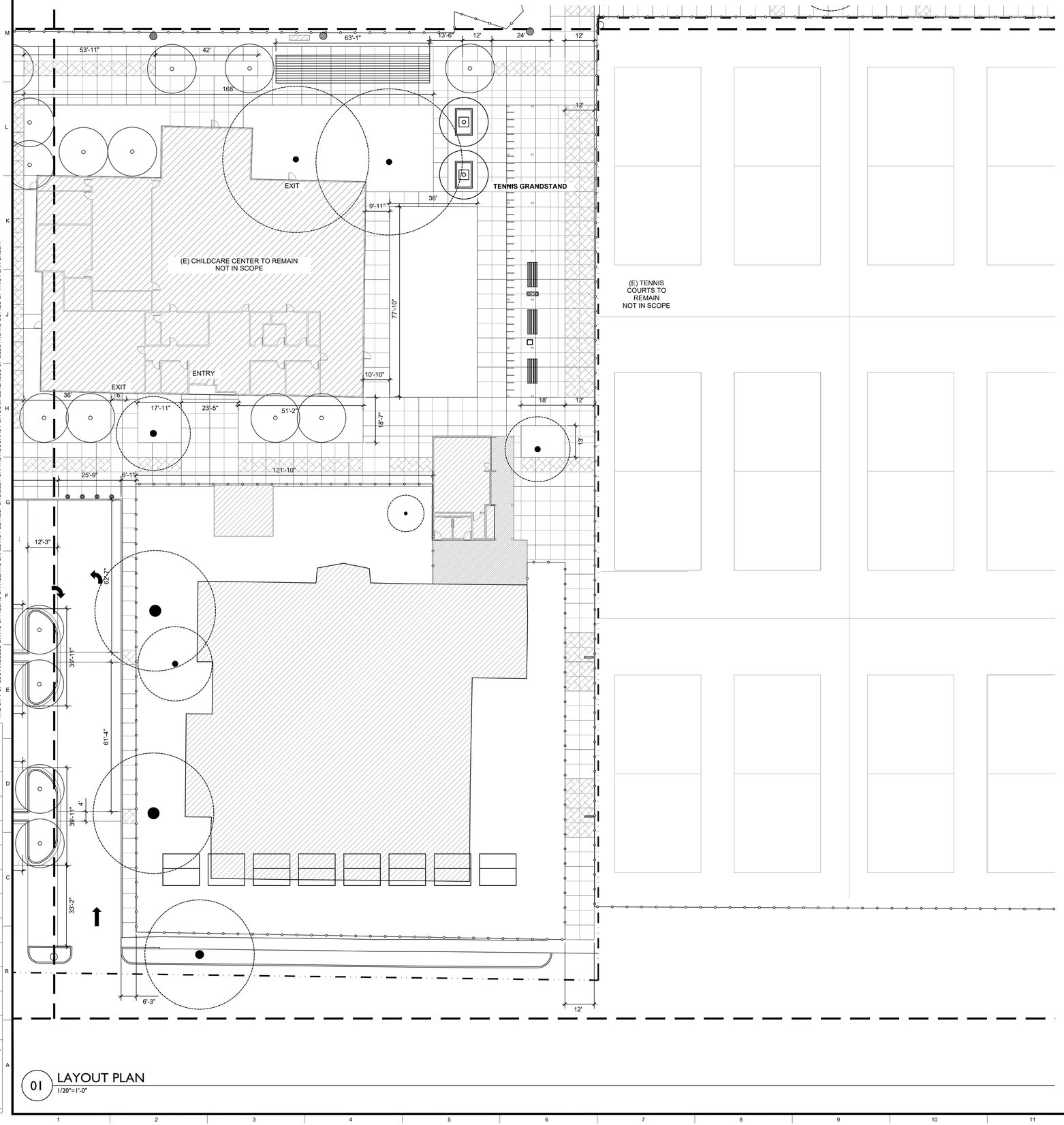

01 LAYOUT PLAN
1/20"=1'-0"

SITE FURNISHING SCHEDULE

KEY	SYMBOL	ITEM	DET'L / SH #	QTY.
SF-1		RECYCLING & WASTE BINS	05/ L-4.5	6
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SF-5		DOUBLE BENCH	02-03/ L-4.4	7
SF-6		BOLLARD	03/ L-4.5	6
SF-7		OPERABLE BOLLARD	02/ L-4.5	15

LIGHTING SCHEDULE

KEY	SYMBOL	ITEM	DET'L / SH #	QTY.
SL		SITE LIGHT	01/ L-4.5	57

FENCE & WALL SCHEDULE

KEY	SYMBOL	ITEM	DET'L / SH #	QTY.
GS		GREEN SCREEN	04/ L-4.6	660 LF
RG		ROLLER GATE	03/ L-4.6	5
G		GATE	05/ L-4.6	3
CF		CHAINLINK FENCE	06/ L-4.6	340 LF
F		FENCE	05/ L-4.6	82 LF
PF		PLANTER FENCE	01/ L-4.6	1,483 LF
FB		FENCE UNDER BOARDWALK	02/ L-4.6	850 LF

PRESERVING SITE FURNISHING SCHEDULE

SYMBOL	ITEM	QTY.
	SITE LIGHT	17
	FIELD LIGHT	32
	(E) BLEACHER	8

LANDSCAPE LIMIT OF WORK

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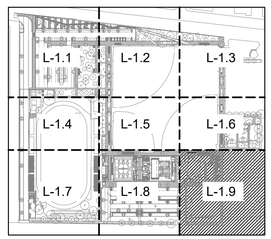

BUREAU OF ENGINEERING
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ENGINEERING CITY OF LOS ANGELES

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RP 300094

LICENSED LANDSCAPE ARCHITECT
ZACK FREEDMAN
Signature
05/31/18
Renewal Date
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Date
STATE OF CALIFORNIA

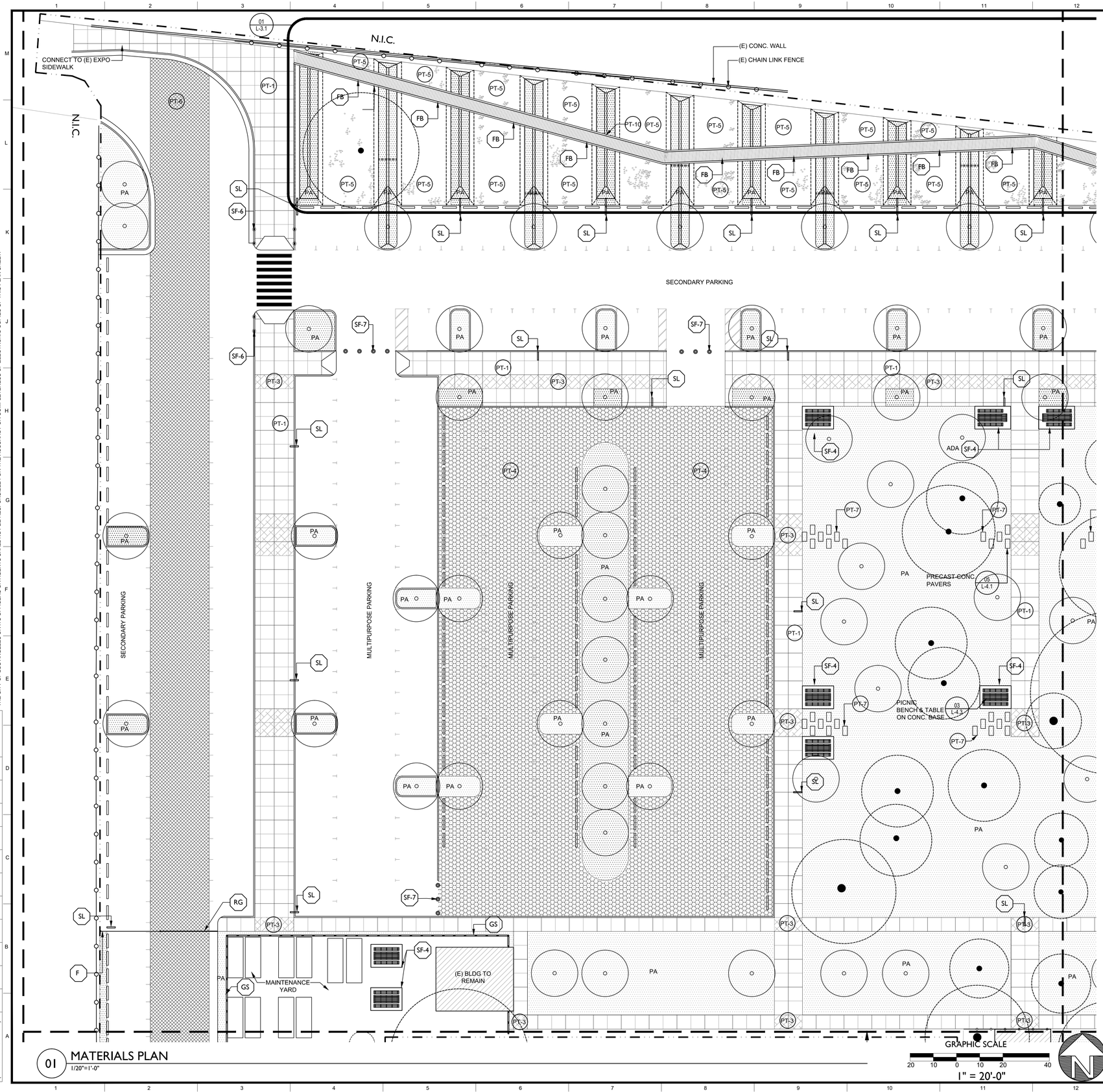
GARY LEE MOORE, PE, ENV SP CITY ENGINEER
ARCHITECTURAL DIVISION DATE:
ARCHITECT: ZACK FREEDMAN, PLA LIC. NO. LA-5582
DESIGNED BY: HOOD DESIGN STUDIO
DRAWN BY: YDI
CHECKED BY: ADS
APPROVED BY: MAHMOOD KARIMZADEH, A.I.A., PRINCIPAL ARCHITECT

VERTICAL CONTROL:
HORIZONTAL CONTROL:

SHEET TITLE: LAYOUT PLAN
PROJECT: RANCHO CIENEGA SPORTS COMPLEX
ADDRESS: 5001 RODEO ROAD
LOS ANGELES, CA 90016

WORK ORDER NO. E1907694
PLAN FILE NO.
DRAWING NO. L-1.9
SHEET OF SHEETS

PLOTTED: 12/11/2016 12:37 PM



01 MATERIALS PLAN
1/20"=1'-0"

GRAPHIC SCALE
20 10 0 10 20 40
1" = 20'-0"

PAVING SCHEDULE

KEY	SYMBOL	MATERIAL	COLOR	FINISH
PT-1		CIP CONC.	OUTBACK	SANDED
PT-2		CIP CONC. 5'x5' CONTROL JOINTS	OUTBACK	SANDED
PT-3		CIP CONC.	SANGRIA	SANDED
PT-4		PLASTIC CELLULAR GRIDS WITH GRASS	STANDARD	
PT-5		GRAVEL	MARINER'S GOLD	
PT-6		COLORED ASPHALT	FAWN	
PT-7		CONC. PAVERS	NATURAL	TUDOR
PT-8		BOARDWALK	CEMENT/ GREY	
PT-9		GRANITE		

SITE FURNISHING SCHEDULE

KEY	SYMBOL	ITEM	DET'L / SH #	QTY.
SF-1		RECYCLING & WASTE BINS	05/ L-4.5	6
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SF-5		DOUBLE BENCH	02-03/ L-4.4	7
SF-6		BOLLARD	03/ L-4.5	6
SF-7		OPERABLE BOLLARD	02/ L-4.5	15

LIGHTING SCHEDULE

KEY	SYMBOL	ITEM	DET'L / SH #	QTY.
SL		SITE LIGHT	01/ L-4.5	57

FENCE & WALL SCHEDULE

KEY	SYMBOL	ITEM	DET'L / SH #	QTY.
GS		GREEN SCREEN	04/ L-4.6	660 LF
RG		ROLLER GATE	03/ L-4.6	5
G		GATE	05/ L-4.6	3
CF		CHAINLINK FENCE	06/ L-4.6	340 LF
F		FENCE	05/ L-4.6	82 LF
PF		PLANTER FENCE	01/ L-4.6	1,483 LF
FB		FENCE UNDER BOARDWALK	02/ L-4.6	850 LF

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CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS
BUREAU OF ENGINEERING

ENGINEERING
CITY OF LOS ANGELES

NO. REVISIONS: DATE: BY:

BUILDING NO.

INDEX NO. - RP 300094

LICENSED LANDSCAPE ARCHITECT
ZACHARY FREEDMAN 5582
Signature
Expiration Date 08/31/18
Renewal Date 12/20/16
Date
STATE OF CALIFORNIA

GARY LEE MOORE, PE, ENV SP CITY ENGINEER
ARCHITECTURAL DIVISION
ARCHITECT: ZACK FREEDMAN, PLA LIC. NO. LA-5582
DESIGNED BY: HOOD DESIGN STUDIO
DRAWN BY: YDI
CHECKED BY: ADS
APPROVED BY: MAHMOOD KARIMZADEH, A.I.A., PRINCIPAL ARCHITECT

VERTICAL CONTROL:
HORIZONTAL CONTROL:

SHEET TITLE: MATERIALS PLAN

PROJECT: RANCHO CIENEGA SPORTS COMPLEX

ADDRESS: 5001 RODEO ROAD
LOS ANGELES, CA 90016

WORK ORDER NO. E1907694
PLAN FILE NO.
DRAWING NO. L-2.1
SHEET OF SHEETS

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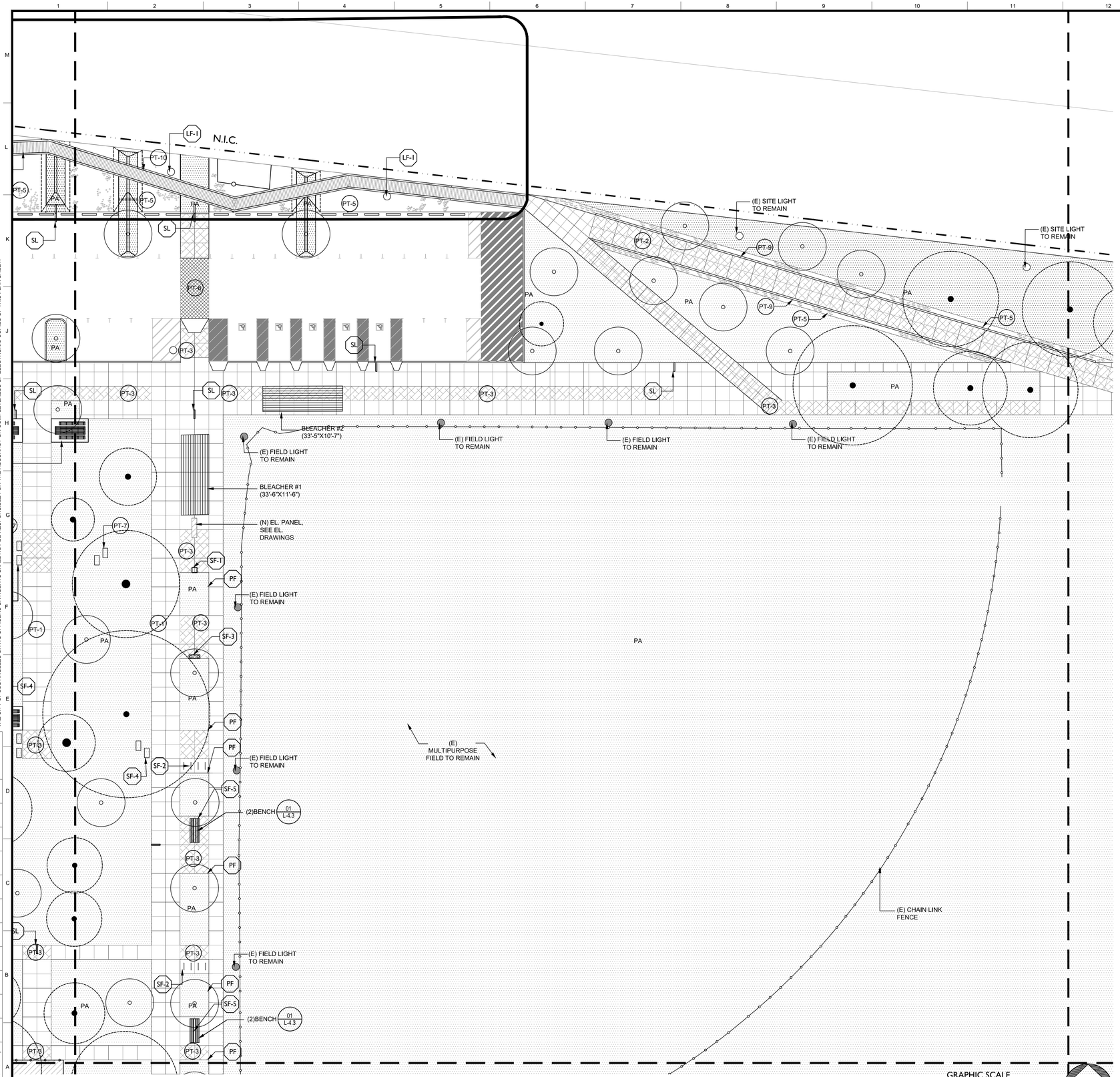

01 MATERIALS PLAN
1/20"=1'-0"

GRAPHIC SCALE
10 0 10 20 40
1" = 20'-0"

PAVING SCHEDULE

KEY	SYMBOL	MATERIAL	COLOR	FINISH
PT-1		CIP CONC.	OUTBACK	SANDED
PT-2		CIP CONC. 5'x5' CONTROL JOINTS	OUTBACK	SANDED
PT-3		CIP CONC.	SANGRIA	SANDED
PT-4		PLASTIC CELLULAR GRIDS WITH GRASS	STANDARD	
PT-5		GRAVEL	MARINER'S GOLD	
PT-6		COLORED ASPHALT	FAWN	
PT-7		CONC. PAVERS	NATURAL	TUDOR
PT-8		BOARDWALK	CEMENT/ GREY	
PT-9		GRANITE		

SITE FURNISHING SCHEDULE

KEY	SYMBOL	ITEM	DET'L / SH #	QTY.
SF-1		RECYCLING & WASTE BINS	05/ L-4.5	6
SF-2		BIKE RACKS	01/ L-4.4	83
SF-3		DRINKING FOUNTAIN	04/ L-4.5	4
SF-4		CONC. TABLE CAST-IN-PLACE CONC. BENCHES	03/ L-4.3	8
SF-5		DOUBLE BENCH	02-03/ L-4.4	7
SF-6		BOLLARD	03/ L-4.5	6
SF-7		OPERABLE BOLLARD	02/ L-4.5	15

LIGHTING SCHEDULE

KEY	SYMBOL	ITEM	DET'L / SH #	QTY.
SL		SITE LIGHT	01/ L-4.5	57

FENCE & WALL SCHEDULE

KEY	SYMBOL	ITEM	DET'L / SH #	QTY.
GS		GREEN SCREEN	04/ L-4.6	660 LF
RG		ROLLER GATE	03/ L-4.6	5
G		GATE	05/ L-4.6	3
CF		CHAINLINK FENCE	06/ L-4.6	340 LF
F		FENCE	05/ L-4.6	82 LF
PF		PLANTER FENCE	01/ L-4.6	1,483 LF
FB		FENCE UNDER BOARDWALK	02/ L-4.6	850 LF

BUREAU OF ENGINEERING
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CITY OF LOS ANGELES

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RP 300094

LICENSED LANDSCAPE ARCHITECT
ZACHARY FREEDMAN
Signature
Expiration Date 08/31/18
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STATE OF CALIFORNIA

GARY LEE MOORE, PE, ENV SP CITY ENGINEER
ARCHITECTURAL DIVISION DATE:
ARCHITECT: ZACK FREEDMAN, PLA LIC. NO. LA-5982
DESIGNED BY: HOOD DESIGN STUDIO
DRAWN BY: YDI
CHECKED BY: ADS
APPROVED BY: MAHMOOD KARIMZADEH, A.I.A., PRINCIPAL ARCHITECT

VERTICAL CONTROL:
HORIZONTAL CONTROL:

SHEET TITLE: MATERIALS PLAN

PROJECT: RANCHO CIENEGA SPORTS COMPLEX

ADDRESS: 5001 RODEO ROAD
LOS ANGELES, CA 90016

WORK ORDER NO. E1907694
PLAN FILE NO.
DRAWING NO. L-2.2
SHEET OF SHEETS

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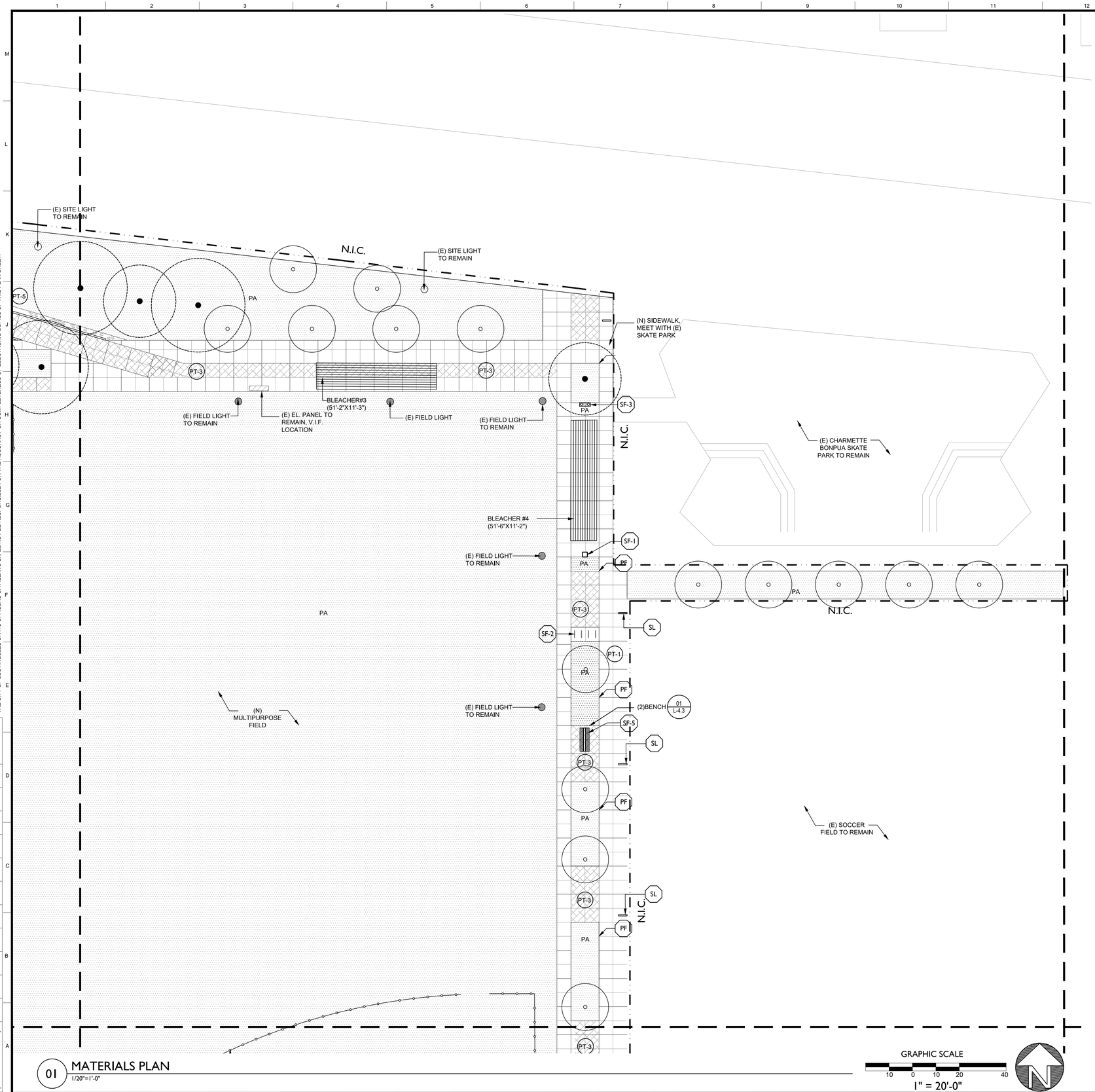

01 MATERIALS PLAN

1/20"=1'-0"

GRAPHIC SCALE

10 0 10 20 40

1" = 20'-0"

PAVING SCHEDULE

KEY	SYMBOL	MATERIAL	COLOR	FINISH
PT-1		CIP CONC.	OUTBACK	SANDED
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PT-3		CIP CONC.	SANGRIA	SANDED
PT-4		PLASTIC CELLULAR GRIDS WITH GRASS	STANDARD	
PT-5		GRAVEL	MARINER'S GOLD	
PT-6		COLORED ASPHALT	FAWN	
PT-7		CONC. PAVERS	NATURAL	TUDOR
PT-8		BOARDWALK	CEMENT/ GREY	
PT-9		GRANITE		

SITE FURNISHING SCHEDULE

KEY	SYMBOL	ITEM	DET'L / SH #	QTY.
SF-1		RECYCLING & WASTE BINS	05/ L-4.5	6
SF-2		BIKE RACKS	01/ L-4.4	83
SF-3		DRINKING FOUNTAIN	04/ L-4.5	4
SF-4		CONC. TABLE CAST-IN-PLACE CONC. BENCHES	03/ L-4.3	8
SF-5		DOUBLE BENCH	02-03/ L-4.4	7
SF-6		BOLLARD	03/ L-4.5	6
SF-7		OPERABLE BOLLARD	02/ L-4.5	15

LIGHTING SCHEDULE

KEY	SYMBOL	ITEM	DET'L / SH #	QTY.
SL		SITE LIGHT	01/ L-4.5	57

FENCE & WALL SCHEDULE

KEY	SYMBOL	ITEM	DET'L / SH #	QTY.
GS		GREEN SCREEN	04/ L-4.6	660 LF
RG		ROLLER GATE	03/ L-4.6	5
G		GATE	05/ L-4.6	3
CF		CHAINLINK FENCE	06/ L-4.6	340 LF
F		FENCE	05/ L-4.6	82 LF
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FB		FENCE UNDER BOARDWALK	02/ L-4.6	850 LF

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ENGINEERING CITY OF LOS ANGELES

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BUILDING NO.

INDEX NO. - RP 300094

LICENSED LANDSCAPE ARCHITECT ZACK'D FREEDMAN No. 5582 Signature 06/31/18 Renewal Date 12/26/18 Date STATE OF CALIFORNIA

GARY LEE MOORE, PE, ENV SP CITY ENGINEER

ARCHITECTURAL DIVISION DATE:

ARCHITECT: ZACK FREEDMAN, PLA LIC. NO. LA-5582

DESIGNED BY: HOOD DESIGN STUDIO

DRAWN BY: YDI

CHECKED BY: ADS

APPROVED BY: MAHMOOD KARIMZADEH, A.I.A., PRINCIPAL ARCHITECT

VERTICAL CONTROL:

HORIZONTAL CONTROL:

SHEET TITLE: MATERIALS PLAN

PROJECT: RANCHO CIENEGA SPORTS COMPLEX

ADDRESS: 5001 RODEO ROAD LOS ANGELES, CA 90016

WORK ORDER NO. E1907694

PLAN FILE NO.

DRAWING NO. L-2.3

SHEET OF SHEETS

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REVISION DATES (DESIGN STAGE ONLY)

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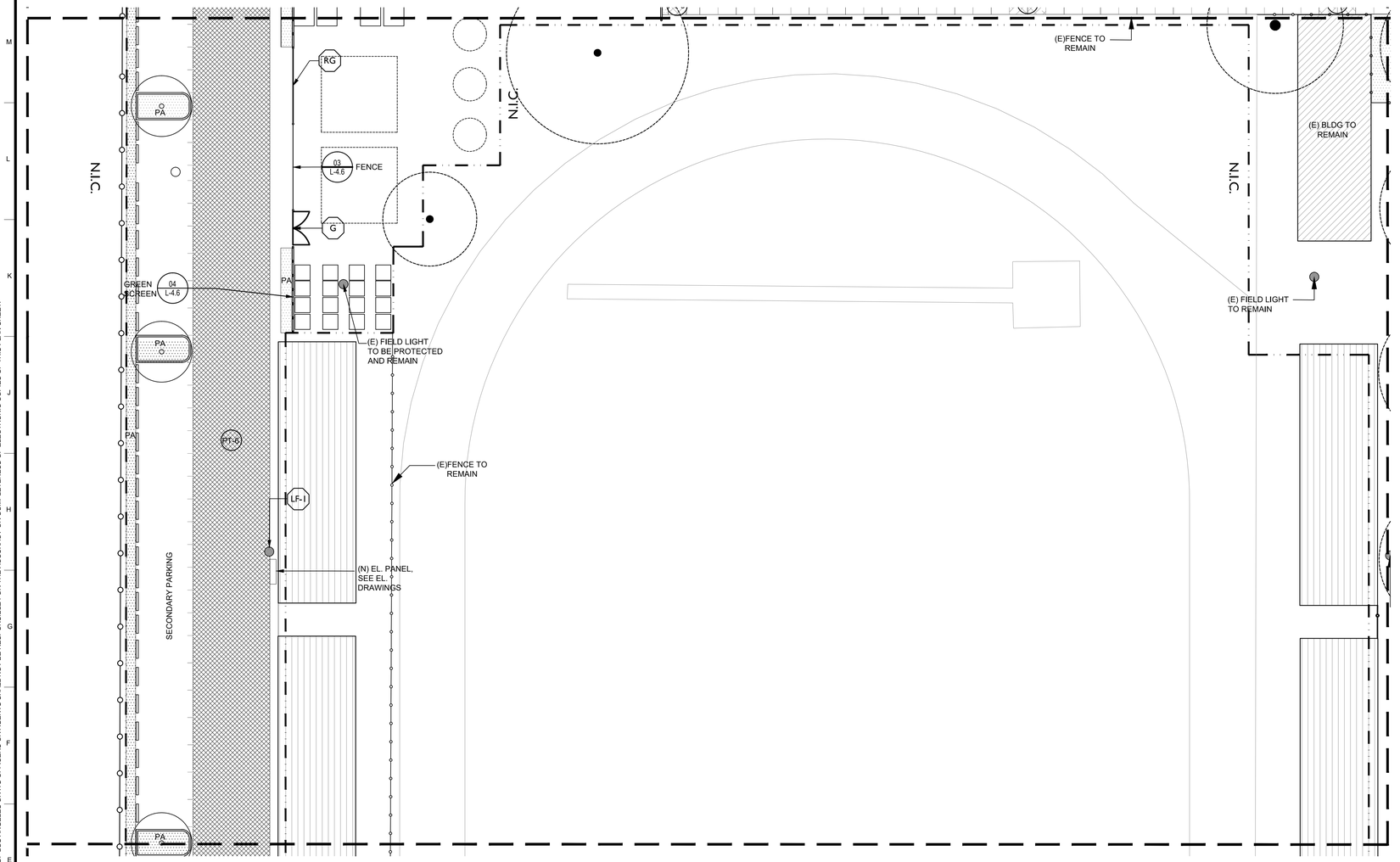

01 MATERIALS PLAN
1/20"=1'-0"

GRAPHIC SCALE
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1" = 20'-0"

PAVING SCHEDULE

KEY	SYMBOL	MATERIAL	COLOR	FINISH
PT-1		CIP CONC.	OUTBACK	SANDED
PT-2		CIP CONC. 5'x5' CONTROL JOINTS	OUTBACK	SANDED
PT-3		CIP CONC.	SANGRIA	SANDED
PT-4		PLASTIC CELLULAR GRIDS WITH GRASS	STANDARD	
PT-5		GRAVEL	MARINER'S GOLD	
PT-6		COLORED ASPHALT	FAWN	
PT-7		CONC. PAVERS	NATURAL	TUDOR
PT-8		BOARDWALK	CEMENT/ GREY	
PT-9		GRANITE		

SITE FURNISHING SCHEDULE

KEY	SYMBOL	ITEM	DET'L / SH #	QTY.
SF-1		RECYCLING & WASTE BINS	05/ L-4.5	6
SF-2		BIKE RACKS	01/ L-4.4	83
SF-3		DRINKING FOUNTAIN	04/ L-4.5	4
SF-4		CONC. TABLE CAST-IN-PLACE CONC. BENCHES	03/ L-4.3	8
SF-5		DOUBLE BENCH	02-03/ L-4.4	7
SF-6		BOLLARD	03/ L-4.5	6
SF-7		OPERABLE BOLLARD	02/ L-4.5	15

LIGHTING SCHEDULE

KEY	SYMBOL	ITEM	DET'L / SH #	QTY.
SL		SITE LIGHT	01/ L-4.5	57

FENCE & WALL SCHEDULE

KEY	SYMBOL	ITEM	DET'L / SH #	QTY.
GS		GREEN SCREEN	04/ L-4.6	660 LF
RG		ROLLER GATE	03/ L-4.6	5
G		GATE	05/ L-4.6	3
CF		CHAINLINK FENCE	06/ L-4.6	340 LF
F		FENCE	05/ L-4.6	82 LF
PF		PLANTER FENCE	01/ L-4.6	1,483 LF
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ENGINEERING
CITY OF LOS ANGELES

NO. REVISIONS: DATE: BY:

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INDEX NO. - RP 300094

LICENSED LANDSCAPE ARCHITECT
ZACK B FREEDMAN 5582
Signature
Registration
Renewal Date 12/09/18
Date
STATE OF CALIFORNIA

GARY LEE MOORE, PE, ENV SP CITY ENGINEER
ARCHITECTURAL DIVISION DATE:
ARCHITECT: ZACK FREEDMAN, PLA LIC. NO. LA-5582
DESIGNED BY: HOOD DESIGN STUDIO
DRAWN BY: YDI
CHECKED BY: ADS
APPROVED BY: MAHMOOD KARIMZADEH, A.I.A., PRINCIPAL ARCHITECT

VERTICAL CONTROL:
HORIZONTAL CONTROL:

SHEET TITLE: MATERIALS PLAN

PROJECT: RANCHO CIENEGA SPORTS COMPLEX

ADDRESS: 5001 RODEO ROAD LOS ANGELES, CA 90016

WORK ORDER NO. E1907694
PLAN FILE NO.
DRAWING NO. L-2.4
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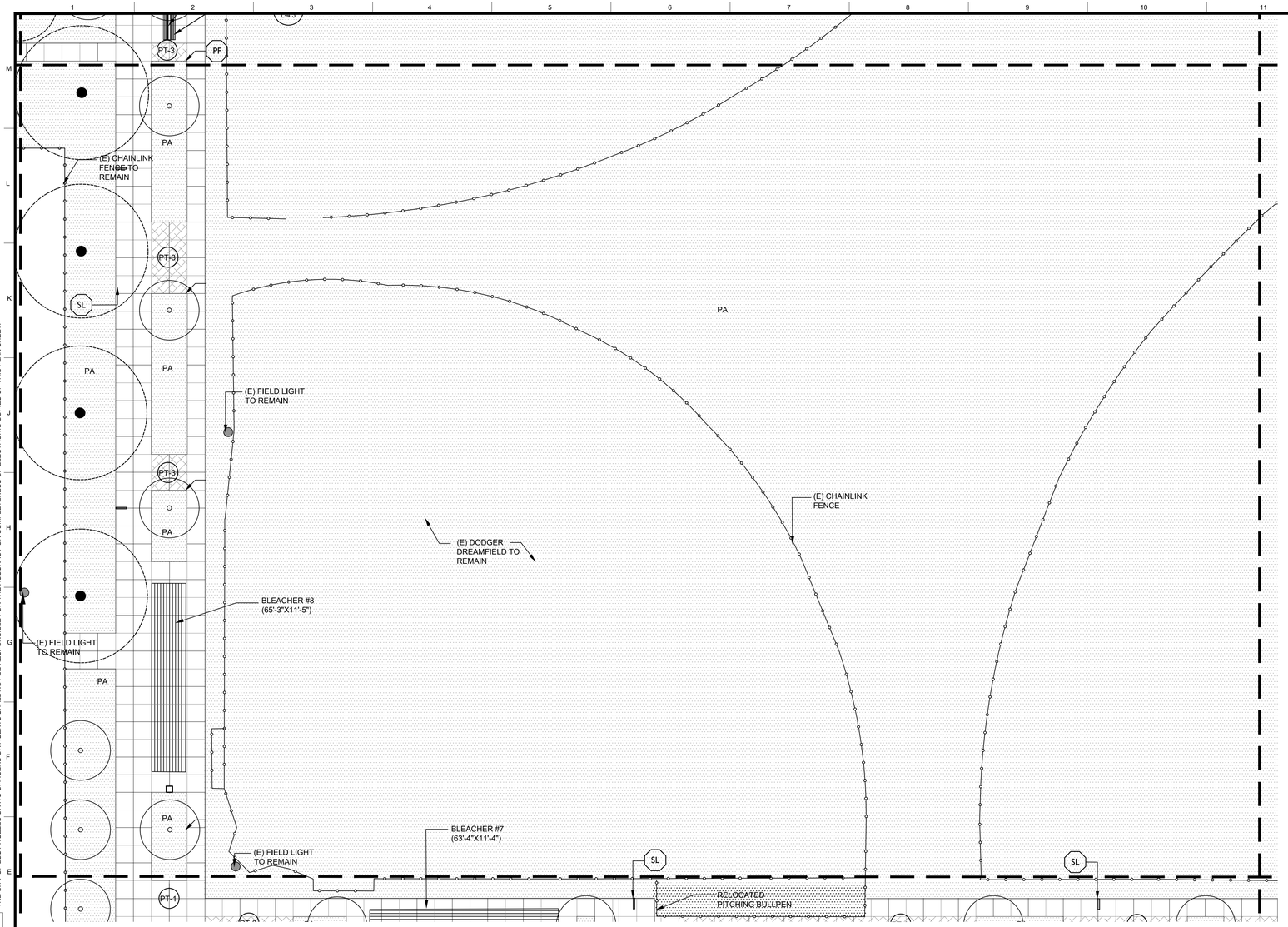

01 MATERIALS PLAN
1/20"=1'-0"

GRAPHIC SCALE
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1" = 20'-0"

PAVING SCHEDULE

KEY	SYMBOL	MATERIAL	COLOR	FINISH
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PT-4		PLASTIC CELLULAR GRIDS WITH GRASS	STANDARD	
PT-5		GRAVEL	MARINER'S GOLD	
PT-6		COLORED ASPHALT	FAWN	
PT-7		CONC. PAVERS	NATURAL	TUDOR
PT-8		BOARDWALK	CEMENT/ GREY	
PT-9		GRANITE		

SITE FURNISHING SCHEDULE

KEY	SYMBOL	ITEM	DET'L / SH #	QTY.
SF-1		RECYCLING & WASTE BINS	05/ L-4.5	6
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SF-5		DOUBLE BENCH	02-03/ L-4.4	7
SF-6		BOLLARD	03/ L-4.5	6
SF-7		OPERABLE BOLLARD	02/ L-4.5	15

LIGHTING SCHEDULE

KEY	SYMBOL	ITEM	DET'L / SH #	QTY.
SL		SITE LIGHT	01/ L-4.5	57

FENCE & WALL SCHEDULE

KEY	SYMBOL	ITEM	DET'L / SH #	QTY.
GS		GREEN SCREEN	04/ L-4.6	660 LF
RG		ROLLER GATE	03/ L-4.6	5
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RP 300094

LICENSED LANDSCAPE ARCHITECT
GARY B FREEDMAN
Signature
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STATE OF CALIFORNIA

GARY LEE MOORE, PE, ENV SP CITY ENGINEER
ARCHITECTURAL DIVISION
ARCHITECT: ZACK FREEDMAN, PLA LIC. NO. LA-5982
DESIGNED BY: HOOD DESIGN STUDIO
DRAWN BY: YDI
CHECKED BY: ADS
APPROVED BY: MAHMOOD KARIMZADEH, A.I.A., PRINCIPAL ARCHITECT
DATE:

VERTICAL CONTROL:
HORIZONTAL CONTROL:

SHEET TITLE: MATERIALS PLAN
PROJECT: RANCHO CIENEGA SPORTS COMPLEX
ADDRESS: 5001 RODEO ROAD LOS ANGELES, CA 90016

WORK ORDER NO. E1907694
PLAN FILE NO.
DRAWING NO. L-2.5
SHEET OF SHEETS

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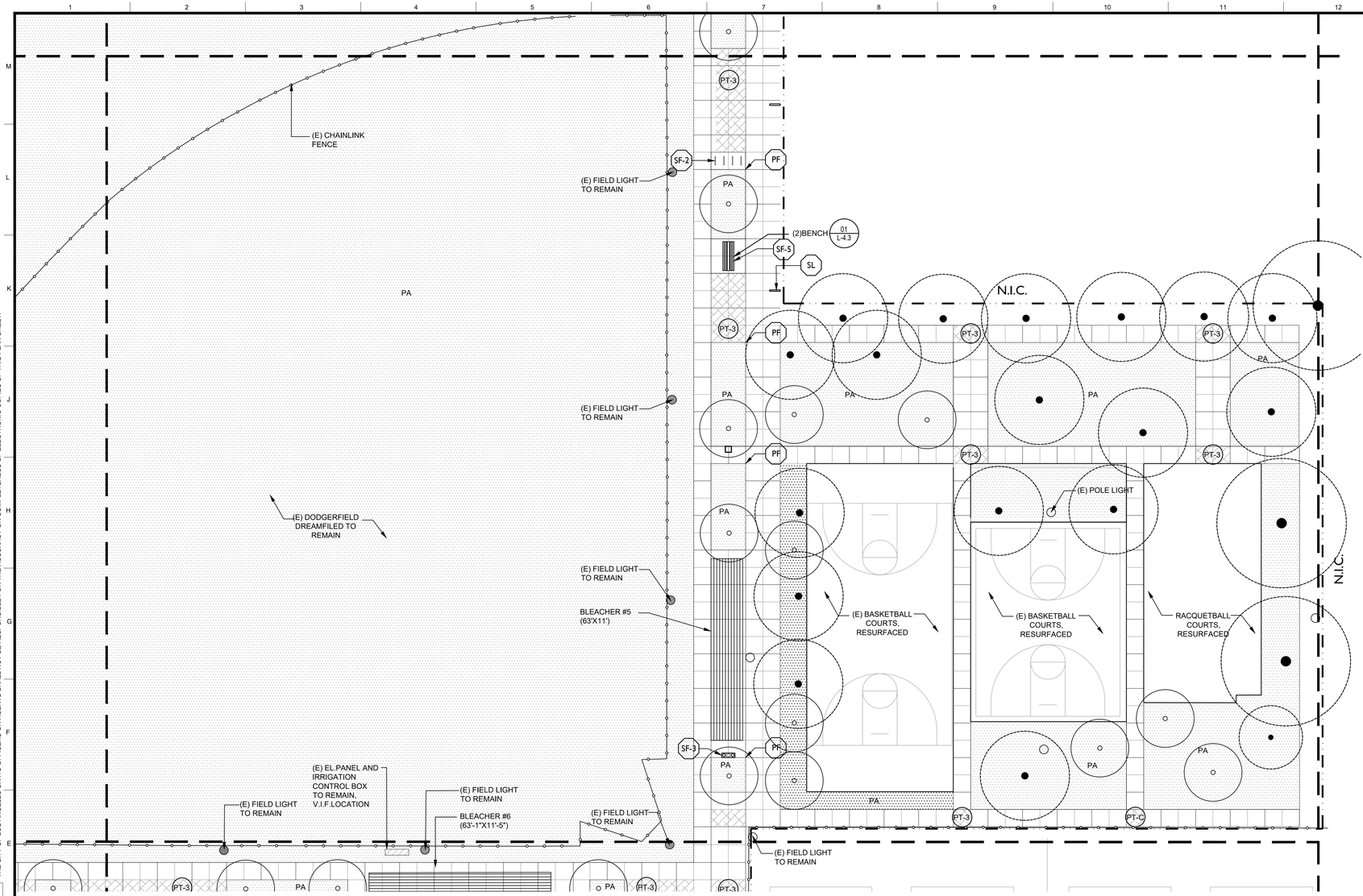

01 MATERIALS PLAN
1/20"=1'-0"

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PAVING SCHEDULE

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PT-6		COLORED ASPHALT	FAWN	
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KEY	SYMBOL	ITEM	DET'L / SH #	QTY.
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SF-7		OPERABLE BOLLARD	02/ L-4.5	15

LIGHTING SCHEDULE

KEY	SYMBOL	ITEM	DET'L / SH #	QTY.
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FENCE & WALL SCHEDULE

KEY	SYMBOL	ITEM	DET'L / SH #	QTY.
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RG		ROLLER GATE	03/ L-4.6	5
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BUREAU OF ENGINEERING
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CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS BUREAU OF ENGINEERING

ENGINEERING CITY OF LOS ANGELES

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LICENSED LANDSCAPE ARCHITECT ZACHARY FREEDMAN No. 5582 Signature 12/31/18 Renewal Date 12/09/16 Date STATE OF CALIFORNIA

GARY LEE MOORE, PE, ENV SP CITY ENGINEER DATE:
ARCHITECT: ZACK FREEDMAN, PLA LIC. NO. LA-5582 ARCHITECTURAL DIVISION
DESIGNED BY: HOOD DESIGN STUDIO
DRAWN BY: YDI
CHECKED BY: ADS
APPROVED BY: MAHMOOD KARIMZADEH, A.I.A., PRINCIPAL ARCHITECT

VERTICAL CONTROL:
HORIZONTAL CONTROL:

SHEET TITLE: MATERIALS PLAN
PROJECT: RANCHO CIENEGA SPORTS COMPLEX
ADDRESS: 5001 RODEO ROAD LOS ANGELES, CA 90016

WORK ORDER NO. E1907694
PLAN FILE NO.
DRAWING NO. L-2.6
SHEET SHEETS OF

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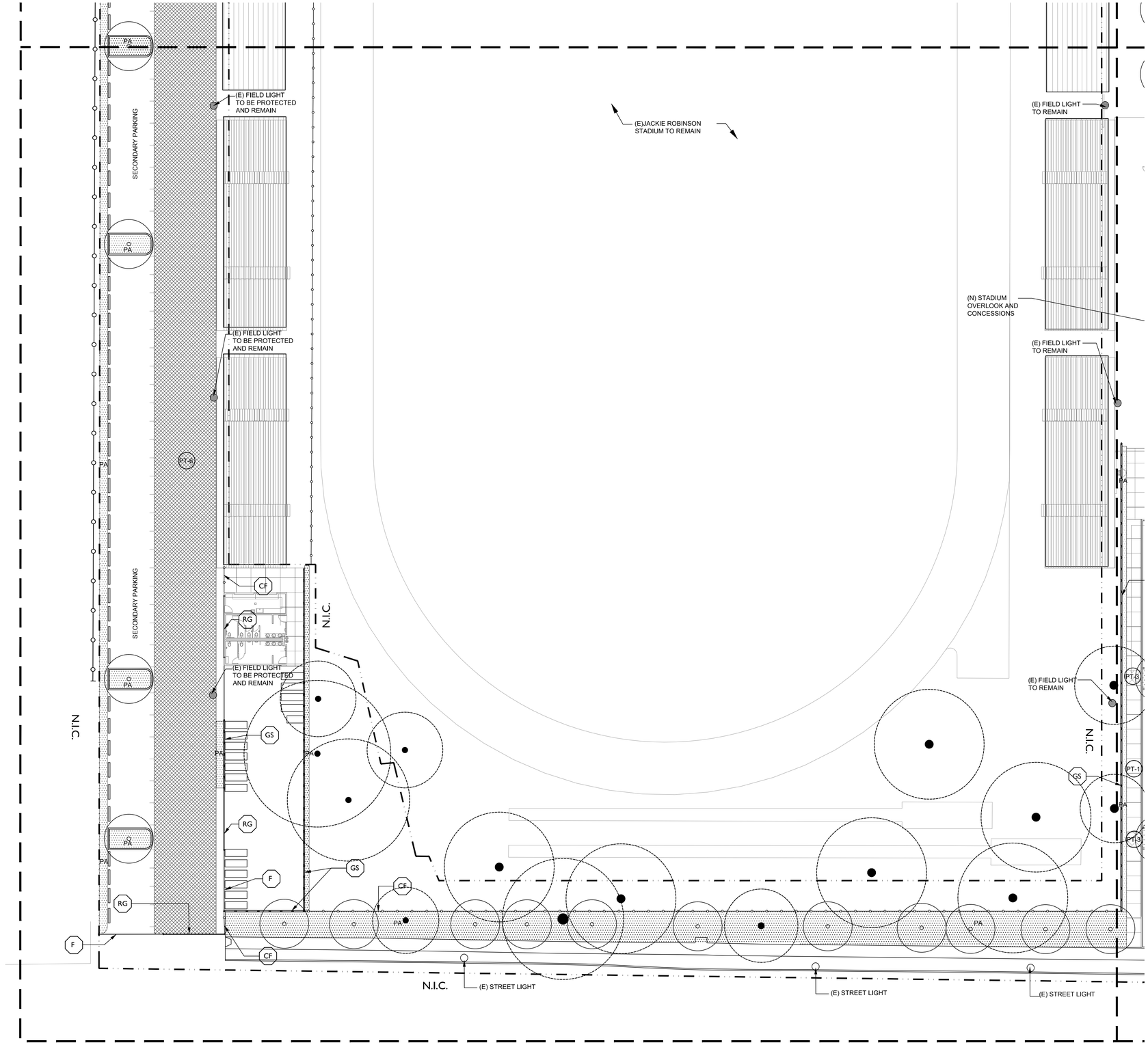

PAVING SCHEDULE

KEY	SYMBOL	MATERIAL	COLOR	FINISH
PT-1		CIP CONC.	OUTBACK	SANDED
PT-2		CIP CONC. 5'x5' CONTROL JOINTS	OUTBACK	SANDED
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PT-6		COLORED ASPHALT	FAWN	
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SITE FURNISHING SCHEDULE

KEY	SYMBOL	ITEM	DET'L / SH #	QTY.
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SF-4		CONC. TABLE CAST-IN-PLACE CONC. BENCHES	03/ L-4.3	8
SF-5		DOUBLE BENCH	02-03/ L-4.4	7
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SF-7		OPERABLE BOLLARD	02/ L-4.5	15

LIGHTING SCHEDULE

KEY	SYMBOL	ITEM	DET'L / SH #	QTY.
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FENCE & WALL SCHEDULE

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BUREAU OF ENGINEERING

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CITY OF LOS ANGELES

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ZACK D FREEDMAN
Signature
Expiration Date 05/31/18
Renewal Date 12/09/16
Date
STATE OF CALIFORNIA

GARY LEE MOORE, PE, ENV SP CITY ENGINEER DATE:
LIC. NO. LA-5582
ARCHITECTURAL DIVISION
ARCHITECT: ZACK FREEDMAN, PLA
DESIGNED BY: HOOD DESIGN STUDIO
DRAWN BY: YDI
CHECKED BY: ADS
APPROVED BY: MAHMOOD KARIMZADEH, A.I.A., PRINCIPAL ARCHITECT

VERTICAL CONTROL:
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SHEET TITLE: MATERIALS PLAN

PROJECT: RANCHO CIENEGA SPORTS COMPLEX

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BUREAU OF ENGINEERING
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PLAN FILE NO.

DRAWING NO.
L-2.7

SHEET OF SHEETS

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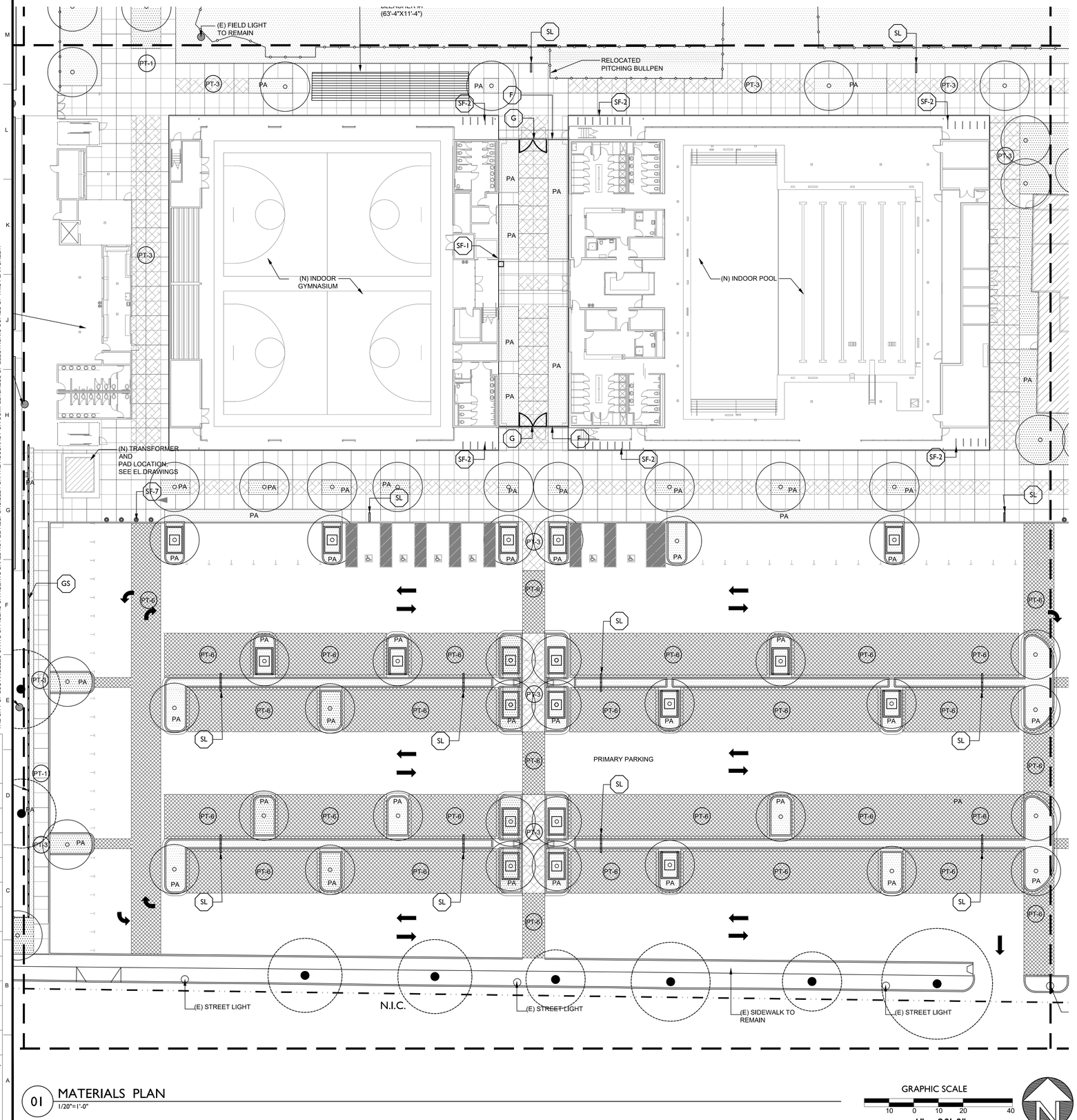

PAVING SCHEDULE

KEY	SYMBOL	MATERIAL	COLOR	FINISH
PT-1		CIP CONC.	OUTBACK	SANDED
PT-2		CIP CONC. 5'x5' CONTROL JOINTS	OUTBACK	SANDED
PT-3		CIP CONC.	SANGRIA	SANDED
PT-4		PLASTIC CELLULAR GRIDS WITH GRASS	STANDARD	
PT-5		GRAVEL	MARINER'S GOLD	
PT-6		COLORED ASPHALT	FAWN	
PT-7		CONC. PAVERS	NATURAL	TUDOR
PT-8		BOARDWALK	CEMENT/ GREY	
PT-9		GRANITE		

SITE FURNISHING SCHEDULE

KEY	SYMBOL	ITEM	DET'L / SH #	QTY.
SF-1		RECYCLING & WASTE BINS	05/ L-4.5	6
SF-2		BIKE RACKS	01/ L-4.4	83
SF-3		DRINKING FOUNTAIN	04/ L-4.5	4
SF-4		CONC. TABLE CAST-IN-PLACE CONC. BENCHES	03/ L-4.3	8
SF-5		DOUBLE BENCH	02-03/ L-4.4	7
SF-6		BOLLARD	03/ L-4.5	6
SF-7		OPERABLE BOLLARD	02/ L-4.5	15

LIGHTING SCHEDULE

KEY	SYMBOL	ITEM	DET'L / SH #	QTY.
SL		SITE LIGHT	01/ L-4.5	57

FENCE & WALL SCHEDULE

KEY	SYMBOL	ITEM	DET'L / SH #	QTY.
GS		GREEN SCREEN	04/ L-4.6	660 LF
RG		ROLLER GATE	03/ L-4.6	5
G		GATE	05/ L-4.6	3
CF		CHAINLINK FENCE	06/ L-4.6	340 LF
F		FENCE	05/ L-4.6	82 LF
PF		PLANTER FENCE	01/ L-4.6	1,483 LF
FB		FENCE UNDER BOARDWALK	02/ L-4.6	850 LF

01 MATERIALS PLAN
1/20"=1'-0"

GRAPHIC SCALE
10 0 10 20 40
1" = 20'-0"

BID SUBMITTAL - NOT FOR CONSTRUCTION

CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS BUREAU OF ENGINEERING

ENGINEERING CITY OF LOS ANGELES

NO. REVISIONS: DATE: BY:

BUILDING NO.

INDEX NO. - RP 300094

LICENSED LANDSCAPE ARCHITECT ZACK FREEDMAN
Signature
06/31/18
Renewal Date
12/09/16
Date
STATE OF CALIFORNIA

GARY LEE MOORE, PE, ENV SP CITY ENGINEER
ARCHITECTURAL DIVISION
ARCHITECT: ZACK FREEDMAN, PLA LIC. NO. LA-5582
DESIGNED BY: HOOD DESIGN STUDIO DATE:
DRAWN BY: YDI
CHECKED BY: ADS
APPROVED BY: MAHMOOD KARIMZADEH, A.I.A., PRINCIPAL ARCHITECT

VERTICAL CONTROL:
HORIZONTAL CONTROL:

SHEET TITLE: MATERIALS PLAN

PROJECT: RANCHO CIENEGA SPORTS COMPLEX

ADDRESS: 5001 RODEO ROAD LOS ANGELES, CA 90016

BUREAU OF ENGINEERING OFFICIAL RECORD

WORK ORDER NO. E1907694
PLAN FILE NO.
DRAWING NO. L-2.8
SHEET OF SHEETS

REVISION DATES: (DESIGN STAGE ONLY)

THE CITY OF LOS ANGELES OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF ELECTRONIC COPIES OF THIS PLAN SHEET.

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THE CITY OF LOS ANGELES OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF ELECTRONIC COPIES OF THIS PLAN SHEET.

GENERAL NOTES

1. THIS STRUCTURE HAS BEEN DESIGNED IN ACCORDANCE WITH THE PROJECT ARCHITECTS PLAN LAYOUT AND GUIDELINES. SUITABILITY FOR ACCESS AND INTENDED USAGE SHALL BE THE RESPONSIBILITY OF THE ARCHITECT.

2. VEHICULAR ACCESS LARGER THAN THE DESIGN LIVE LOAD SHALL BE LIMITED BY PERMANENT PHYSICAL MEANS.

3. PRIOR TO CONSTRUCTION THE CONTRACTOR SHALL VERIFY ALL ELEVATIONS THROUGH THE PROJECT ARCHITECT.

4. ONLY PERMATRAK NORTH AMERICA MAY PROVIDE THE PRECAST STRUCTURE SHOWN ON THESE PLANS.

DESIGN DATA

1. BOARDWALK SHALL BE DESIGNED IN ACCORDANCE WITH THE AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS AND THE LRFD GUIDE SPECIFICATION FOR THE DESIGN OF PEDESTRIAN BRIDGES.

   DESIGN LIVE LOAD: PEDESTRIAN LOADING - 90 PSF UNIFORM
   VEHICULAR LOADING - 5,000 LBS

2. PIERS SHALL BE DESIGNED FOR LATERAL EARTH PRESSURE, LIVE LOAD SURCHARGE AND STRUCTURE LOADS. ASSUMED ALLOWABLE BEARING PRESSURE: 2,000 PSF. (CONTRACTOR TO VERIFY)

3. ALL GEOTECHNICAL RECOMMENDATIONS CONTAINED IN THE REPORT OF SUBSURFACE INVESTIGATION SHALL BE FOLLOWED. REPORT WAS DATED APRIL 28, 2015 AND PRODUCED BY WILLDAN GEOTECHNICAL AND A SECOND REPORT DATED 5/27/2015 PRODUCED BY CITY OF LOS ANGELES.

MATERIALS

1. ALL BOLTS, NUTS, WASHERS, AND HARDWARE SHALL BE HOT DIPPED GALVANIZED AFTER FABRICATION IN ACCORDANCE WITH ASTM A153.

2. CAST-IN-PLACE CONCRETE SHALL HAVE A 28-DAY CONC. COMPRESSIVE STRENGTH OF 4000 PSI.

3. ALL FOUNDATION REINFORCING SHALL BE GRADE 60 CONFORMING TO ASTM A615.

PROJECT COMPONENTS

SUPPLIED BY PERMATRAK

1. PRECAST CONCRETE TREADS
2. PRECAST CONCRETE BEAMS
3. PRECAST CONCRETE CURB
4. RUBBER LEVELING PADS
5. RUBBER GASKETS (PIER TO BEAM LEVELING PAD)
6. URETHANE BARREL PINS (TREAD ALIGNMENT PINS)

SUPPLIED BY CONTRACTOR

1. CLIP ANGLES (L6X6X3/8X0'-4")
2. 3/4" DIA HIT-HY-EPOXY ADHESIVE ANCHORING SYSTEM OR EQUAL (CLIP ANGLE CONNECTION
3. CAST-IN-PLACE CONCRETE PIER FOUNDATIONS
4. 3/4" DIA X 1'-0" LONG THREADED BARS WITH NUTS AND WASHERS (BEAM TO PIER CONNECTION)
5. EPOXY GROUT (LEVELING FOR BEAM TO CAST-IN-PLACE CONCRETE PIER

BUREAU OF ENGINEERING OFFICIAL RECORD

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CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS

BUREAU OF ENGINEERING

ENGINEERING CITY OF LOS ANGELES

NO. REVISIONS: DATE: BY:

BUILDING NO.

INDEX NO. - RP 300094

LICENSED LANDSCAPE ARCHITECT ZACHARY FREEDMAN No. 5582 STATE OF CALIFORNIA
Signature 05/31/18
Renewal Date 12/09/16
Date

GARY LEE MOORE, PE, ENV SP CITY ENGINEER
ARCHITECTURAL DIVISION DATE:
ARCHITECT: ZACK FREEDMAN, PLA LIC. NO. LA-5582
DESIGNED BY: HOOD DESIGN STUDIO JVP
DRAWN BY: RPU
CHECKED BY: JVP
APPROVED BY: MAHMOOD KARIMZADEH, A.I.A., PRINCIPAL ARCHITECT

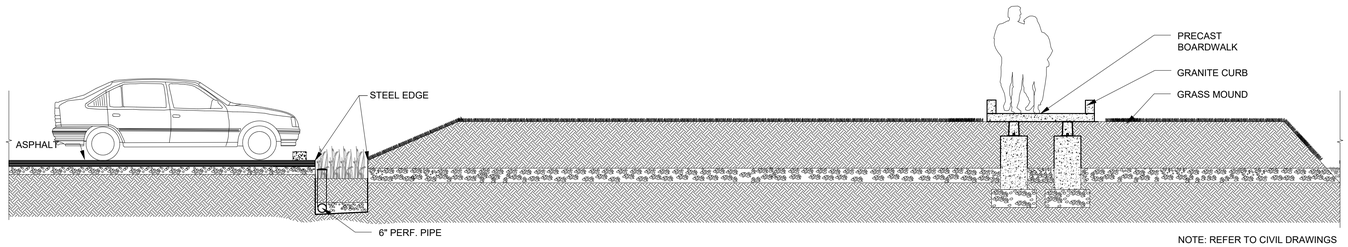
VERTICAL CONTROL:
HORIZONTAL CONTROL:

SHEET TITLE: PERMATRAK NOTES
PROJECT: RANCHO CIENEGA SPORTS COMPLEX
ADDRESS: 5001 RODEO ROAD
LOS ANGELES, CA 90016

WORK ORDER NO. E1907694
PLAN FILE NO.
DRAWING NO. L-3.0
SHEET OF SHEETS

PLOTTED: 12/9/2016 12:35 PM

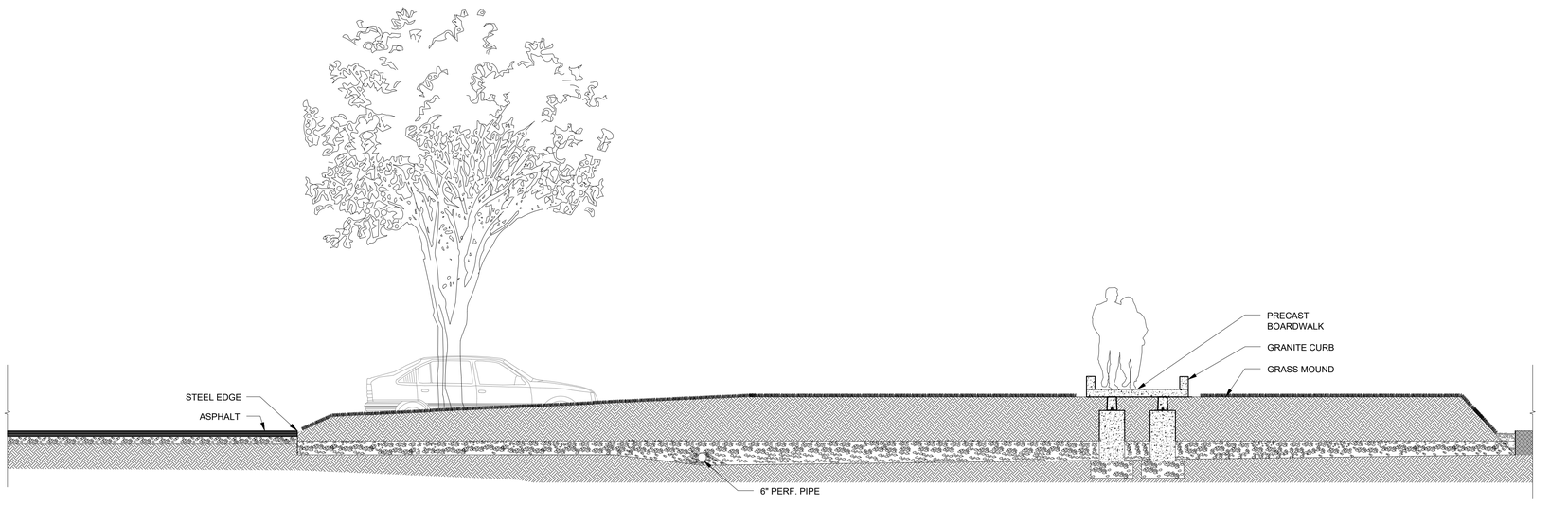
REVISION DATES (DESIGN STAGE ONLY)



NOTE: REFER TO CIVIL DRAWINGS

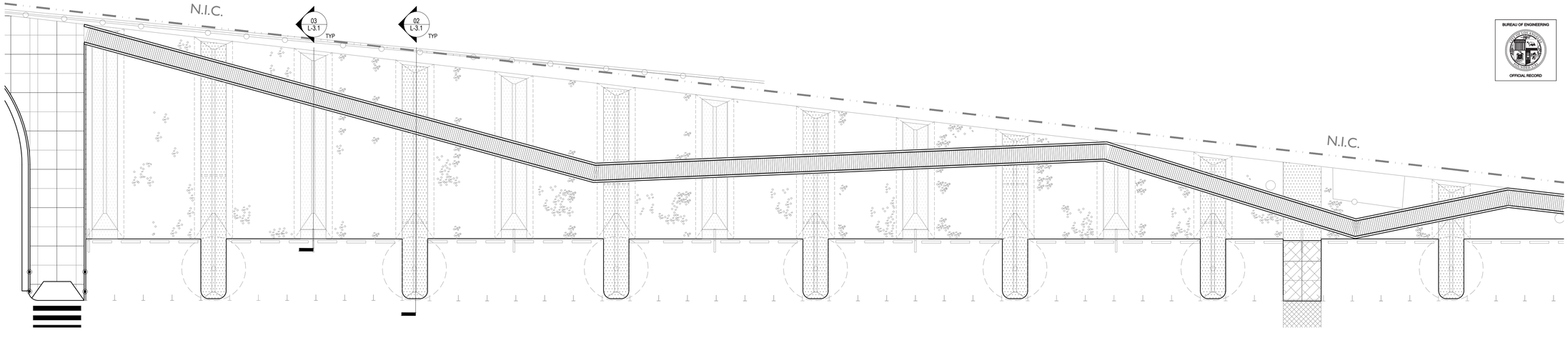
03 SECTION AT ELEVATED WALKWAY AT GRASS MOUND

SCALE: 1/4" = 1'-0



02 SECTION AT ELEVATED WALKWAY AT GRASS MOUND

SCALE: 1/4" = 1'-0



01 KEY PLAN

SCALE: 1/16" = 1'-0

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CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS

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CITY OF LOS ANGELES

NO. REVISIONS: DATE: BY:

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ZACK D FREEDMAN
Signature
05/31/18
Renewal Date
12/09/16
Date
STATE OF CALIFORNIA

GARY LEE MOORE, PE, ENV SP CITY ENGINEER
ARCHITECTURAL DIVISION
ARCHITECT: ZACK FREEDMAN, PLA LIC. NO. LA-5582
DESIGNED BY: HOOD DESIGN STUDIO
DRAWN BY: YDI
CHECKED BY: ADS
APPROVED BY: MAHMOOD KARIMZADEH, A.I.A., PRINCIPAL ARCHITECT
DATE:

BUREAU OF ENGINEERING
OFFICIAL RECORD

VERTICAL CONTROL:
HORIZONTAL CONTROL:
SHEET TITLE: ENLARGEMENT PLAN AND SECTIONS
PROJECT: RANCHO CIENEGA SPORTS COMPLEX
ADDRESS: 5001 RODEO ROAD
LOS ANGELES, CA 90016

WORK ORDER NO. E1907694
PLAN FILE NO.
DRAWING NO. L-3.1
SHEET OF SHEETS

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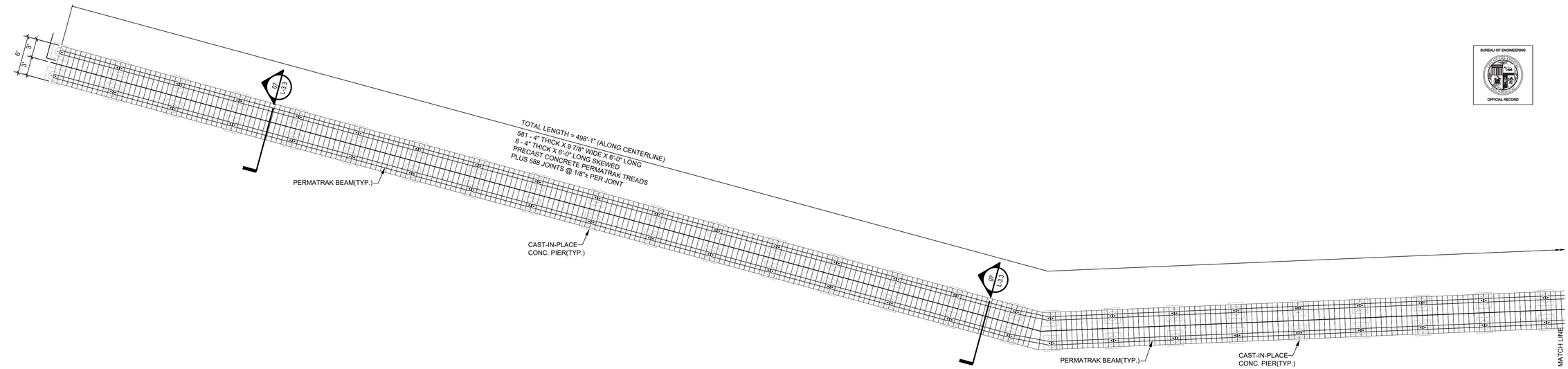
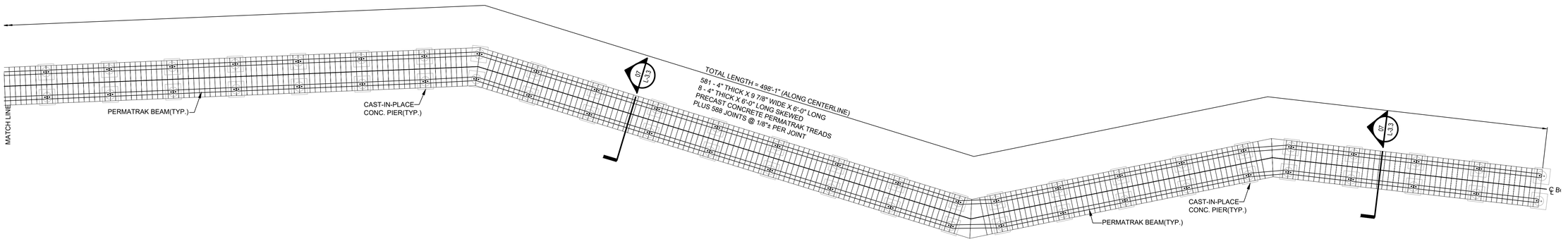


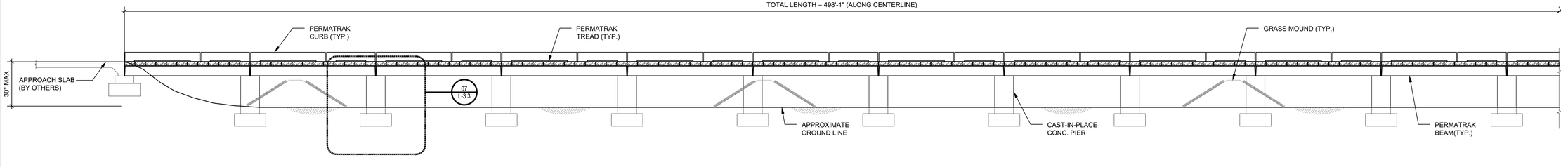
01 PLAN

SCALE: 1/8" = 1'-0



02 PLAN

SCALE: 1/8" = 1'-0



03 SECTION

SCALE: 1/4" = 1'-0

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CITY OF LOS ANGELES

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BUILDING NO.

INDEX NO. -

RP 300094

LICENSED LANDSCAPE ARCHITECT
ZACHARY FREEDMAN
No. 5582
Signature
05/31/18
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12/09/16
Date
STATE OF CALIFORNIA

BID SUBMITTAL - NOT FOR CONSTRUCTION

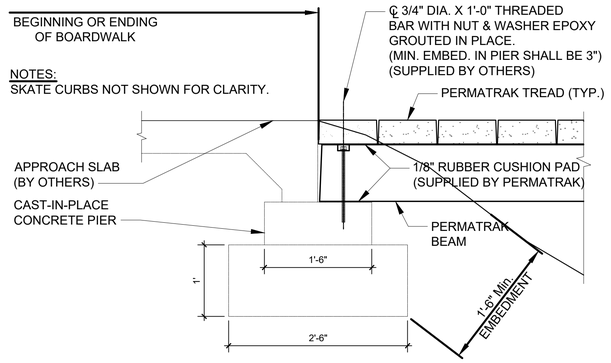
CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS

GARY LEE MOORE, PE, ENV SP CITY ENGINEER DATE:
ARCHITECTURAL DIVISION LIC. NO. LA-5582
ARCHITECT: ZACK FREEDMAN, PLA
DESIGNED BY: HOOD DESIGN STUDIO JVP
DRAWN BY: RPU
CHECKED BY: JVP
APPROVED BY: MAHMOOD KARIMZADEH, A.I.A., PRINCIPAL ARCHITECT

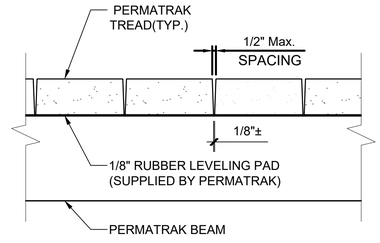
VERTICAL CONTROL:
HORIZONTAL CONTROL:
SHEET TITLE: PERMATRAK PLAN AND SECTION
PROJECT: RANCHO CIENEGA SPORTS COMPLEX
ADDRESS: 5001 RODEO ROAD
LOS ANGELES, CA 90016

WORK ORDER NO.
E1907694
PLAN FILE NO.
DRAWING NO.
L-3.2
SHEET OF SHEETS

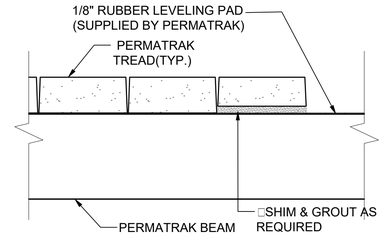
PLOTTED: 12/9/2016 2:35 PM



01 TYPICAL APPROACH SLAB DETAIL
SCALE: 1" =1'-0

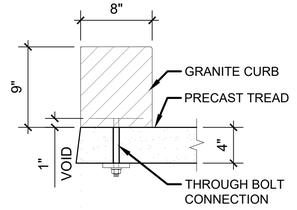


02 TYPICAL TREAD SPACING DETAIL
SCALE: 1 1/2" =1'-0

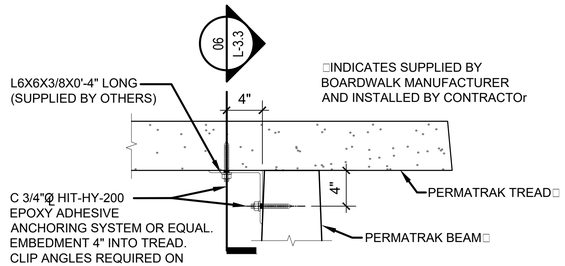


□NOTE:
DUE TO TOLERANCES AND VARIANCE IN PRECAST PRODUCTION AND INSTALLATION ACCURACY, SHIMMING AND GROUTING MAY BE REQUIRED. WHERE REQUIRED THE ENTIRE BEARING AREA AND VOID SHALL BE SHIM AND GROUTED.

03 TYPIVCAL SHIM/GROUT DETAIL(UNDER TREAD)
SCALE: 1 1/2" =1'-0

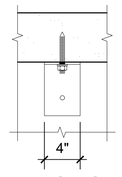


04 CURB DETAIL
SCALE: 1 1/2" =1'-0

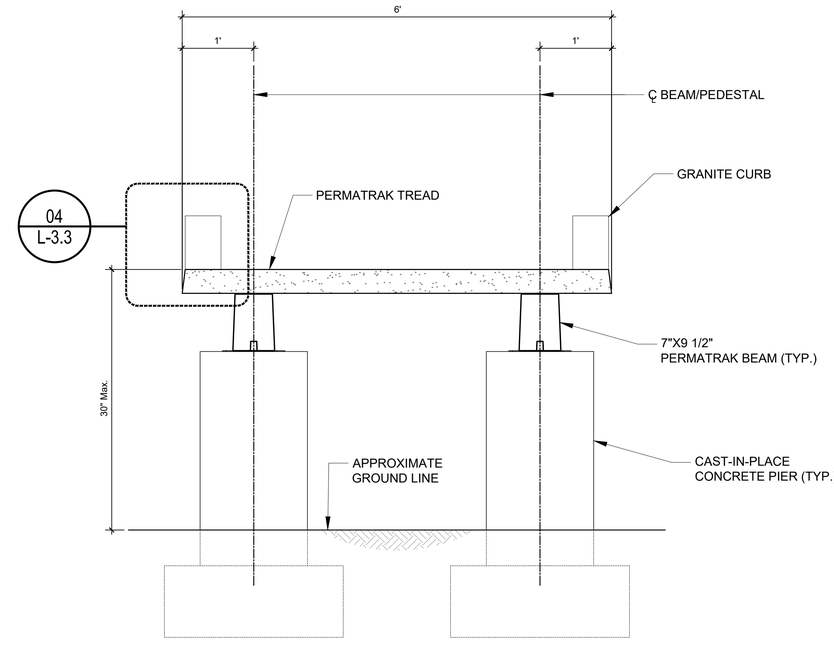


NOTES:
1. ALL HOLES SHALL BE DRILLED BY CONTRACTOR.
2. INSTALL CLIP ANGLE EVERY 4TH TREAD, (1) EACH SIDE.

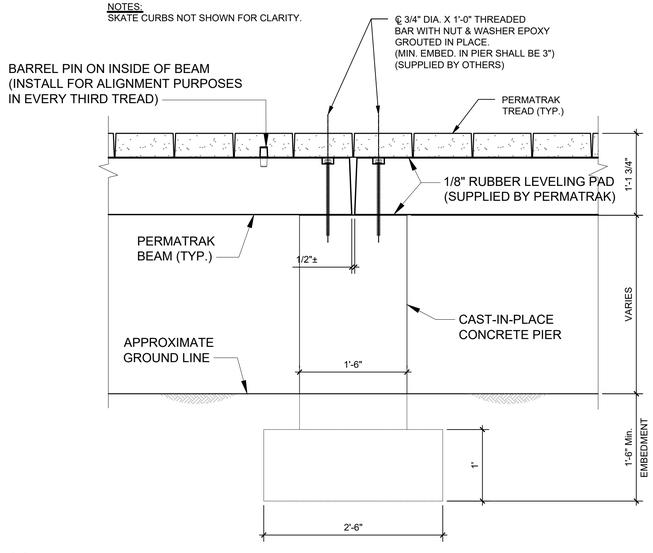
05 TYPICAL TREAD TO BEAM CONNECTION
SCALE: 1 1/2" =1'-0



06 SECTION
SCALE: 1 1/2" =1'-0



07 SECTION
SCALE: 1" =1'-0



08 DETAIL
SCALE: 1" =1'-0

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OFFICIAL RECORD

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CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS BUREAU OF ENGINEERING

ENGINEERING
CITY OF LOS ANGELES

NO. REVISIONS: DATE: BY:

BUILDING NO.

INDEX NO. - RP 300094

LICENSED LANDSCAPE ARCHITECT
ZACK D FREEDMAN C-3582
STATE OF CALIFORNIA
Signature
05/31/18
Renewal Date
12/09/16
Date

GARY LEE MOORE, PE, ENV SP CITY ENGINEER
ARCHITECTURAL DIVISION
ARCHITECT: ZACK FREEDMAN, PLA LIC. NO. LA-5582 DATE:
DESIGNED BY: HOOD DESIGN STUDIO JVP
DRAWN BY: RPU
CHECKED BY: JVP
APPROVED BY: MAHMOOD KARIMZADEH, A.I.A., PRINCIPAL ARCHITECT

VERTICAL CONTROL:
HORIZONTAL CONTROL:

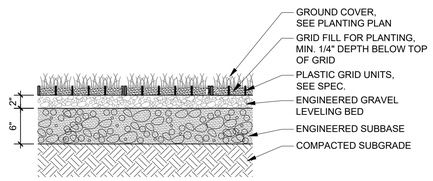
SHEET TITLE: PERMATRAK DETAILS

PROJECT: RANCHO CIENEGA SPORTS COMPLEX

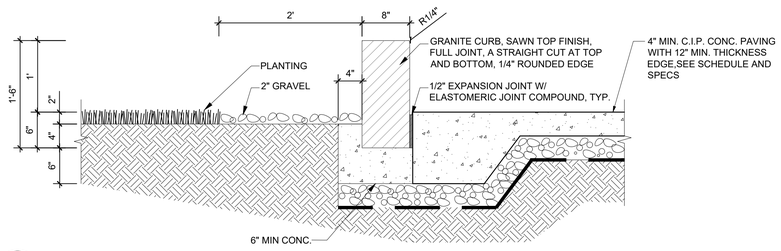
ADDRESS: 5001 RODEO ROAD
LOS ANGELES, CA 90016

WORK ORDER NO. E1907694
PLAN FILE NO.
DRAWING NO. L-3.3
SHEET OF SHEETS

PLOTTED: 12/9/2016 2:47 PM



01 PLASTIC CELLULAR GRID WITH GRASS, PT-4
SCALE: 1" = 1'-0



02 GRANITE CURB, PT-10
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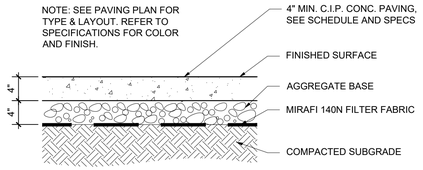
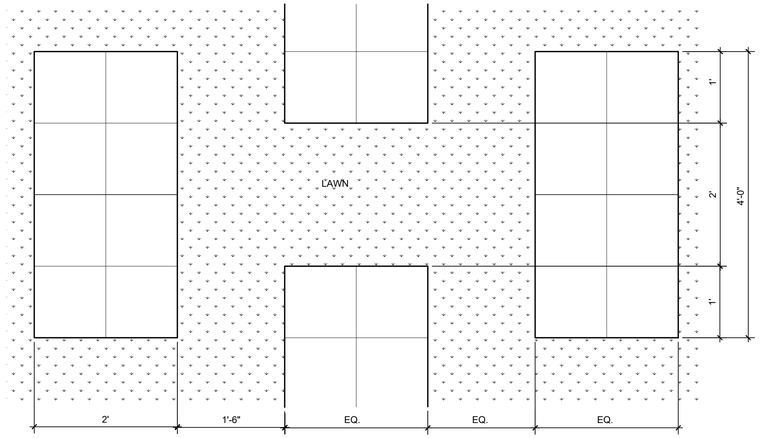
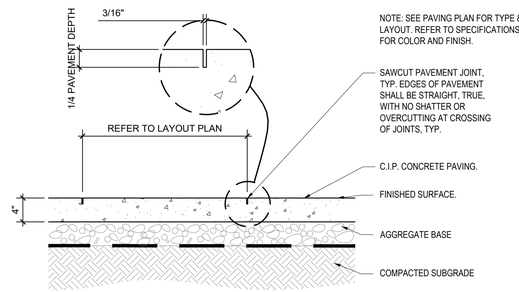


NOTES:SEE SITE PLAN & SPECS FOR FINISHES

03 C.I.P. CONCRETE PAVING, PT-1, PT-2, PT-3
SCALE: 1" = 1'-0





05 C.I.P. CONCRETE PAVING-SCORE JOINT
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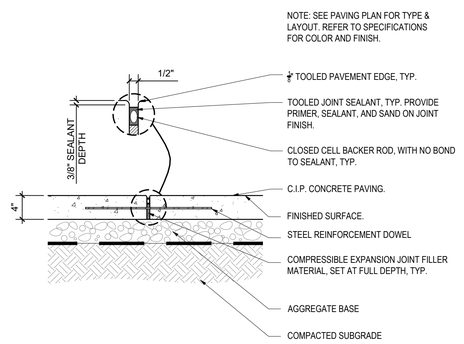
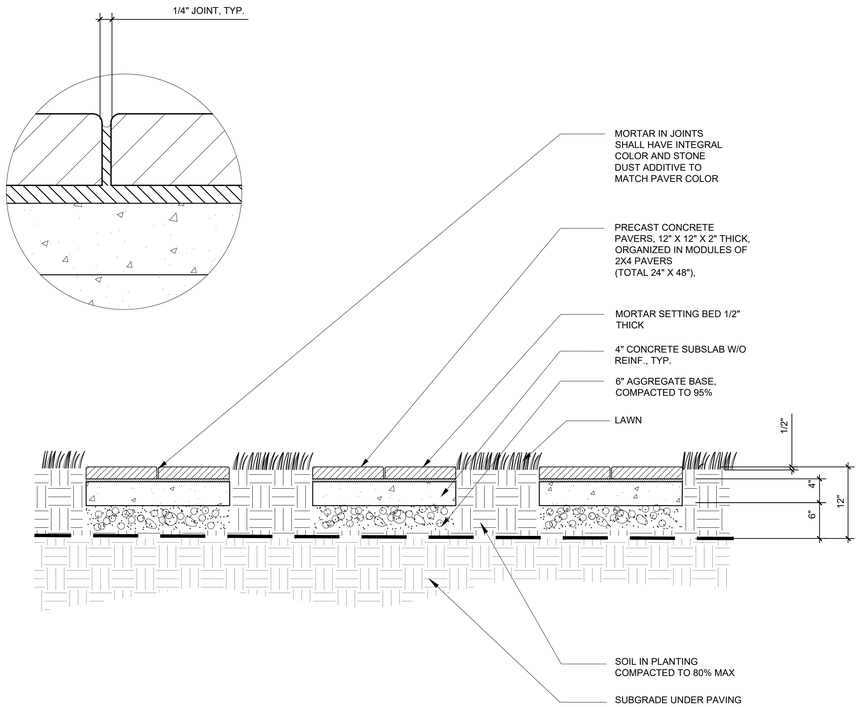
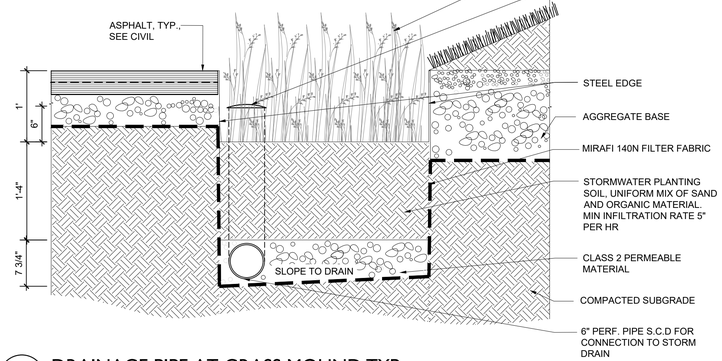


06 C.I.P. CONCRETE PAVING-CONTROL JOINT
SCALE: 1" = 1'-0



04 PRECAST CONC. PAVERS THROUGH LAWN, PT-8
SCALE: 1" = 1'-0



07 DRAINAGE PIPE AT GRASS MOUND,TYP.
SCALE: 1" = 1'-0

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OFFICIAL RECORD

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BUREAU OF ENGINEERING

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CITY OF LOS ANGELES

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LICENSED LANDSCAPE ARCHITECT
ZACK D FREEDMAN
Signature
06/31/18
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12/26/16
Date
STATE OF CALIFORNIA

GARY LEE MOORE, PE, ENV SP CITY ENGINEER
ARCHITECTURAL DIVISION DATE:
ARCHITECT: ZACK FREEDMAN, PLA LIC. NO. LA-5582
DESIGNED BY: HOOD DESIGN STUDIO
DRAWN BY: YDI
CHECKED BY: ADS
APPROVED BY: MAHMOOD KARIMZADEH, A.I.A., PRINCIPAL ARCHITECT

VERTICAL CONTROL:
HORIZONTAL CONTROL:

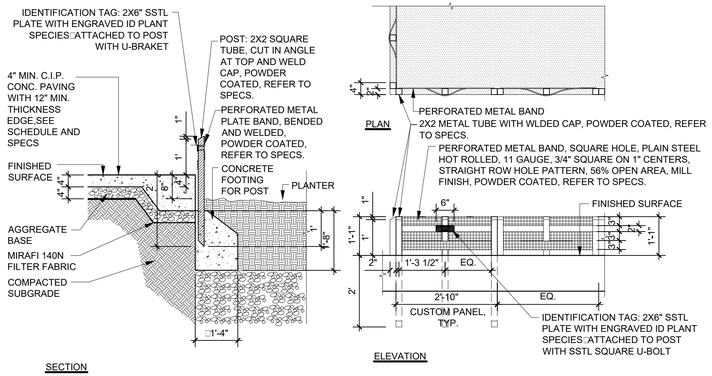
SHEET TITLE: PAVING DETAILS

PROJECT: RANCHO CIENEGA SPORTS COMPLEX

ADDRESS: 5001 RODEO ROAD LOS ANGELES, CA 90016

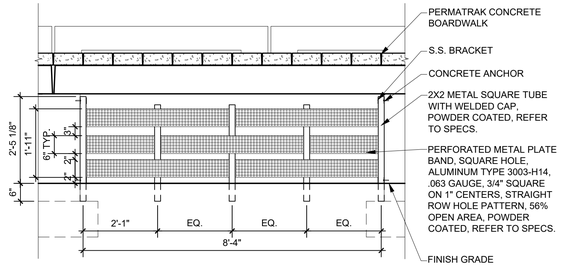
WORK ORDER NO. E1907694
PLAN FILE NO.
DRAWING NO. L-4.1
SHEET OF SHEETS

PLOTTED: 12/9/2016 11:41 AM



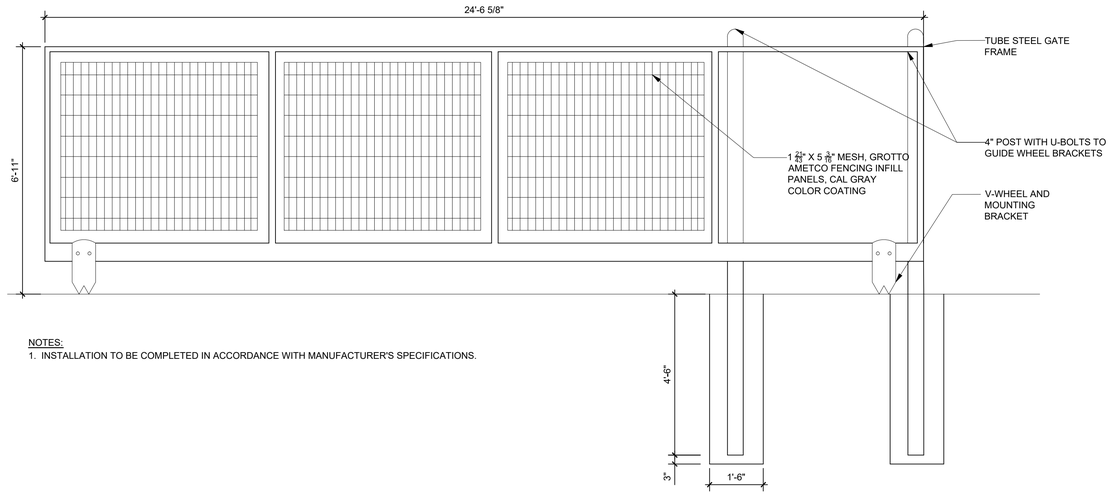
01 FENCE AT PLANTER, PF

SCALE: 1/2" = 1'-0



02 FENCE AT BOARDWALK ELEVATION, FB

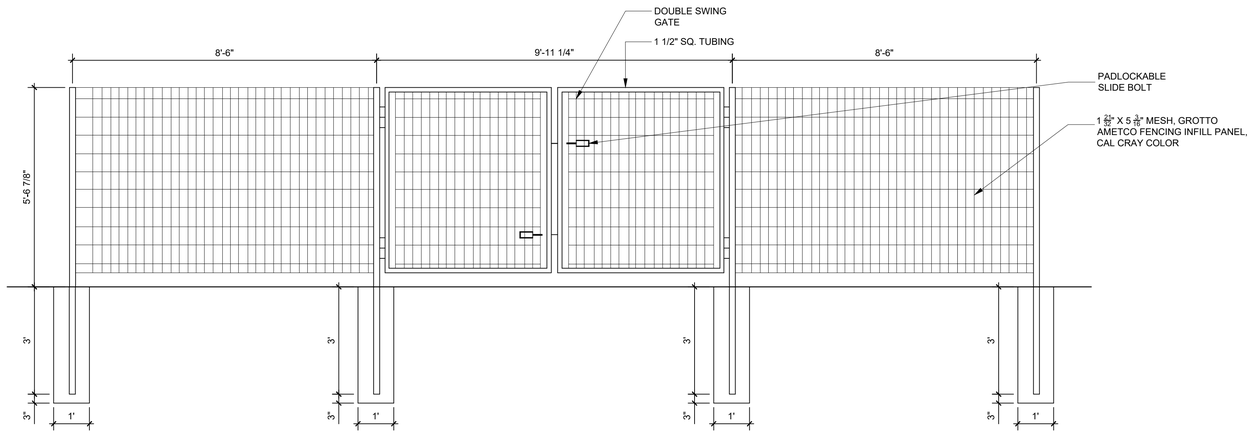
SCALE: 1/2" = 1'-0



NOTES:
1. INSTALLATION TO BE COMPLETED IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS.

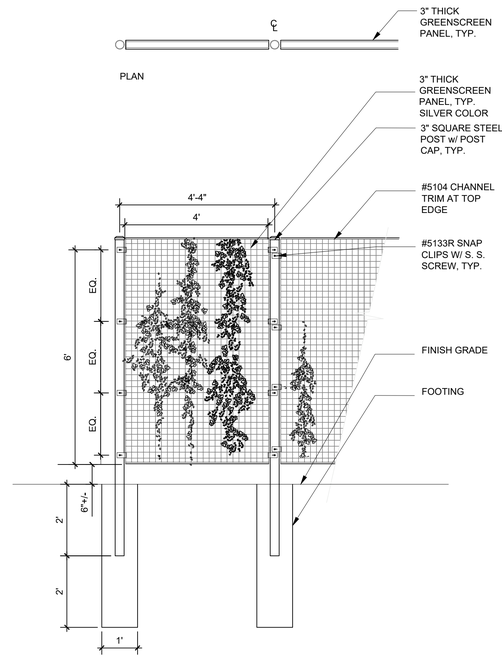
03 V-WHEEL ROLLER GATE, RG

SCALE: 1/2" = 1'-0



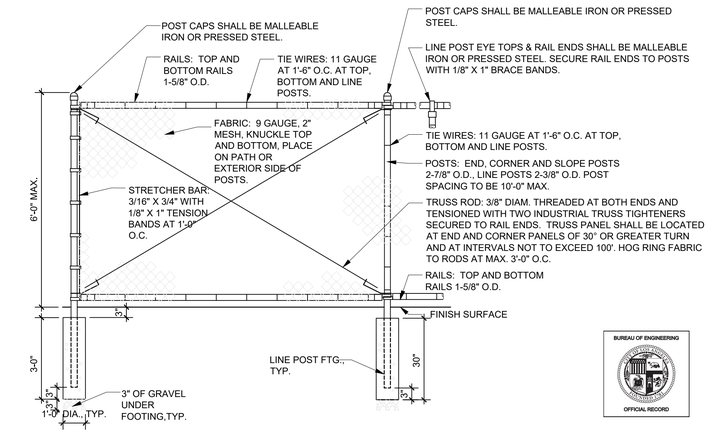
05 PEDESTRIAN DOUBLE SWING GATE, G

SCALE: 1/2" = 1'-0



04 GREEN SCREEN, GS

SCALE: 1/2" = 1'-0



NOTES:
1. CHAIN LINK FENCE MATERIALS SHALL CONFORM TO THE CHAIN LINK FENCE AND MISCELLANEOUS METAL CONSTRUCTION SECTION OF THE NOTICE TO CONTRACTORS.
2. CONCRETE FOOTINGS SHALL BE ALLOWED TO SET FOR SEVEN (7) DAYS PRIOR TO INSTALLATION OF FABRIC OR HARDWARE.
3. THE BOTTOM OF THE FABRIC SHALL BE POSITIONED ONE INCH ABOVE FINISH GRADE.
4. HOLD DOWN CONC. FTG. TO RECEIVE FINISH SURFACE PAVEMENT WHERE FTG. IS NOT SURROUNDED BY LANDSCAPED AREA. IN SUCH CASES, PROVIDE 1" CROWN ON TOP OF ALL POST FTG.'S AT FINISH GRADE.
5. CONC. FTG. TO BE 2500 PSI □ 28 DAYS. PROVIDE 3" OF GRAVEL UNDER CONC. FTG
6. ALL FENCING SHALL HAVE A STANDARD GALVANIZED FINISH.

06 CHAINLINK FENCE, CF

SCALE: 1/2" = 1'-0

BUREAU OF ENGINEERING
OFFICIAL RECORD

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CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS
BUREAU OF ENGINEERING

ENGINEERING
CITY OF LOS ANGELES

NO. REVISIONS: | DATE: | BY:

BUILDING NO.

INDEX NO. - RP 300094

LICENSED LANDSCAPE ARCHITECT
ZACK FREEDMAN
Signature
06/21/18
Renewal Date
12/26/19
Date
STATE OF CALIFORNIA

GARY LEE MOORE, PE, ENV SP CITY ENGINEER
ARCHITECTURAL DIVISION LIC. NO. LA-5582 DATE:
ARCHITECT: ZACK FREEDMAN, PLA
DESIGNED BY: HOOD DESIGN STUDIO
DRAWN BY: YDI
CHECKED BY: ADS
APPROVED BY: MAHMOOD KARIMZADEH, A.I.A., PRINCIPAL ARCHITECT

VERTICAL CONTROL:
HORIZONTAL CONTROL:

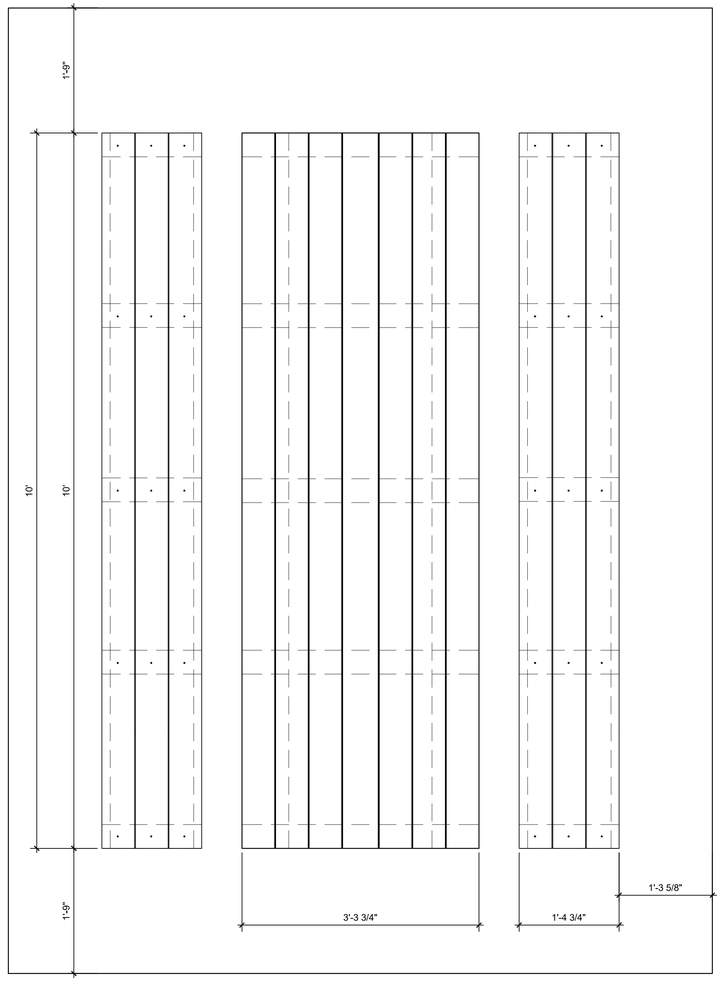
SHEET TITLE: FENCING AND GATE DETAILS

PROJECT: RANCHO CIENEGA SPORTS COMPLEX

ADDRESS: 5001 RODEO ROAD
LOS ANGELES, CA 90016

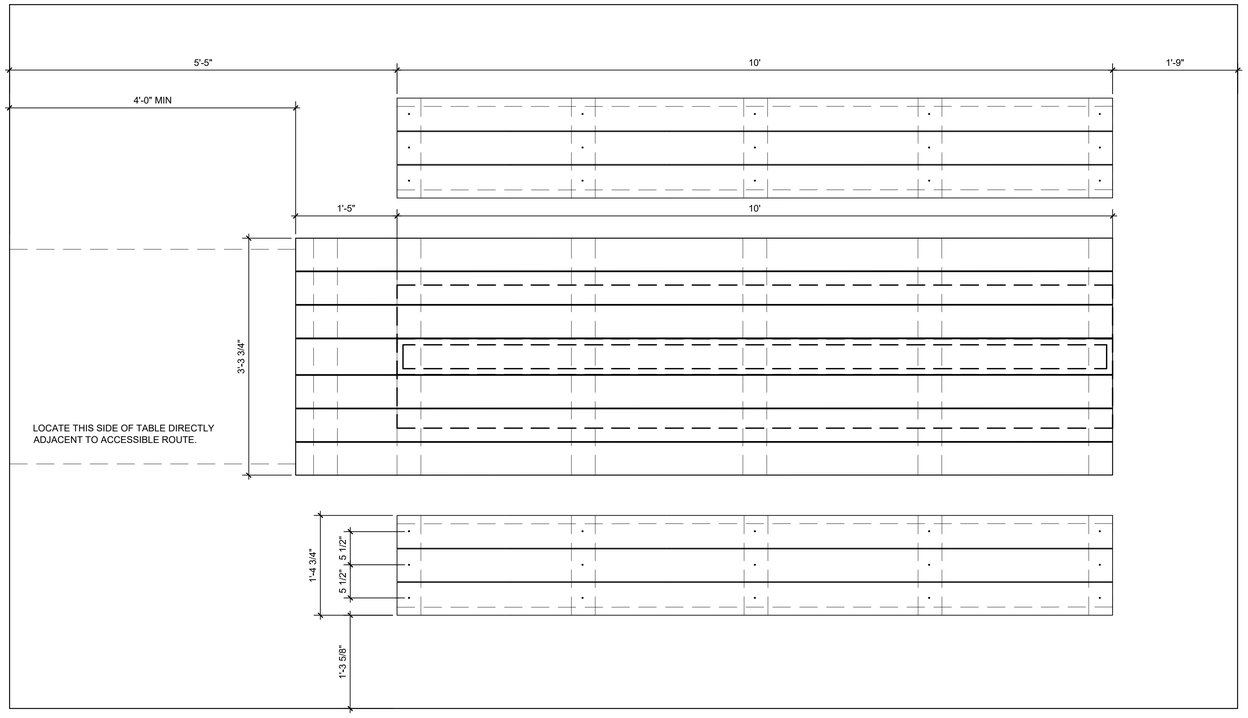
WORK ORDER NO. E1907694
PLAN FILE NO.
DRAWING NO. L-4.2
SHEET OF SHEETS

PLOTTED: 12/12/2016 11:53 AM



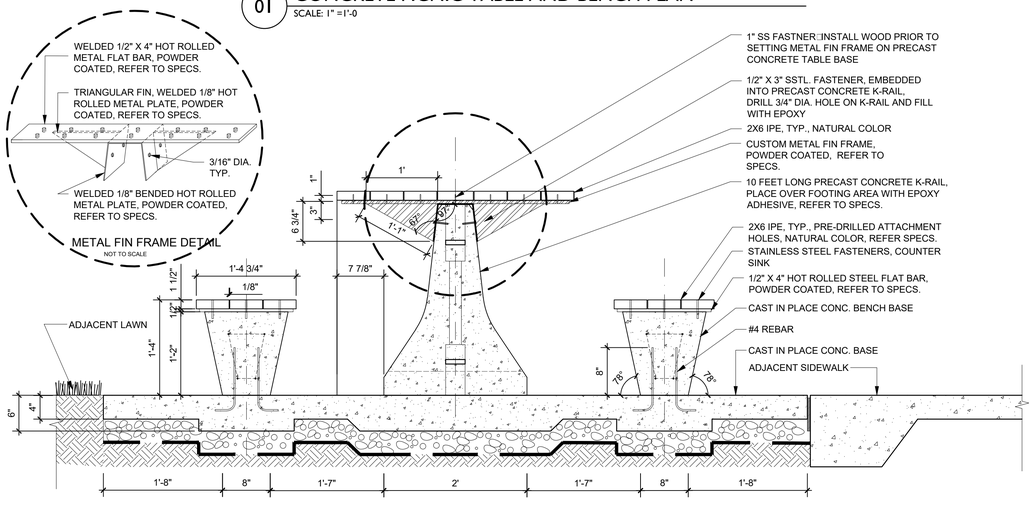
01 CONCRETE PICNIC TABLE AND BENCH PLAN

SCALE: 1" = 1'-0



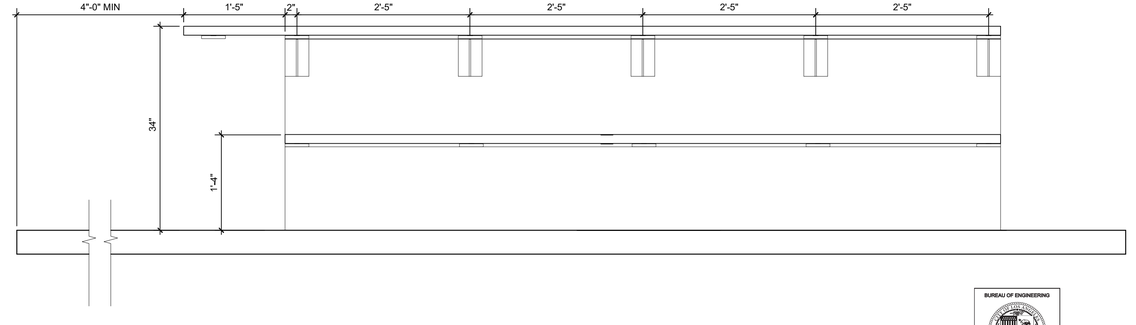
02 CONCRETE PICNIC TABLE AND BENCH FOR PEOPLE WITH DISABILITIES PLAN

SCALE: 1" = 1'-0



03 CONCRETE PICNIC TABLE AND BENCH SECTION, SF-4

SCALE: 1" = 1'-0



04 CONCRETE PICNIC TABLE AND BENCH FOR PEOPLE WITH DISBILITIES ELEVATION

SCALE: 1" = 1'-0

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BUREAU OF ENGINEERING

ENGINEERING
CITY OF LOS ANGELES

NO.	REVISIONS:	DATE:	BY:
1			
2			
3			
4			

BUILDING NO.

INDEX NO. - RP 300094

LICENSED LANDSCAPE ARCHITECT
ZACK D FREEDMAN
No. 5582
Signature
06/31/18
Renewal Date
12/09/16
Date
STATE OF CALIFORNIA

GARY LEE MOORE, PE, ENV SP CITY ENGINEER

ARCHITECTURAL DIVISION DATE:

ARCHITECT: ZACK FREEDMAN, PLA LIC. NO. LA-5582

DESIGNED BY: HOOD DESIGN STUDIO

DRAWN BY: YDI

CHECKED BY: ADS

APPROVED BY: MAHMOOD KARIMZADEH, A.I.A., PRINCIPAL ARCHITECT

VERTICAL CONTROL:

HORIZONTAL CONTROL:

SHEET TITLE: SITE FURNISHING DETAILS

PROJECT: RANCHO CIENEGA SPORTS COMPLEX

ADDRESS: 5001 RODEO ROAD
LOS ANGELES, CA 90016

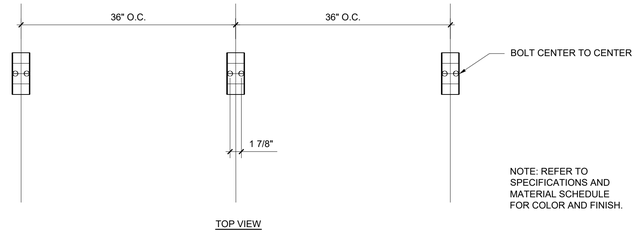
WORK ORDER NO. E1907694

PLAN FILE NO.

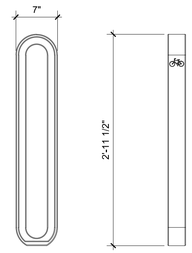
DRAWING NO. L-4.3

SHEET OF SHEETS

PLOTTED: 12/12/2016 10:20 AM



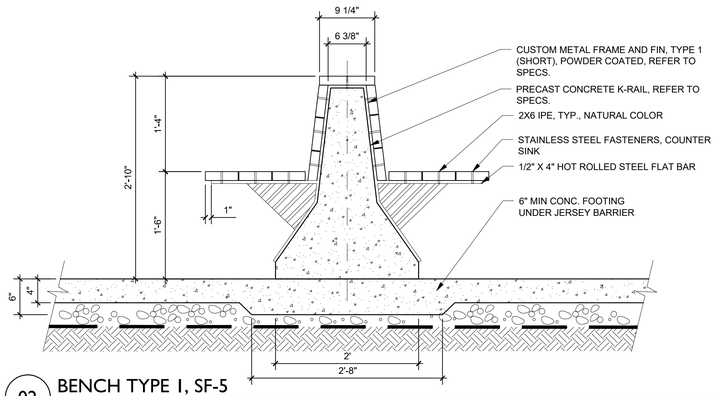
TOP VIEW



FRONT VIEW SIDE VIEW

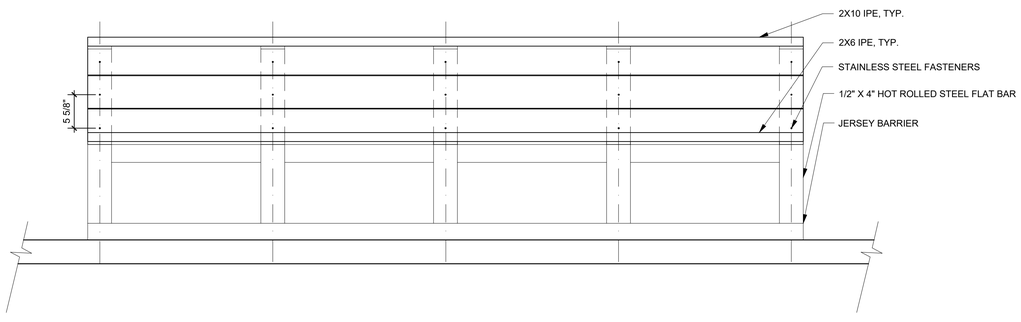
01 OLYMPIA BIKE RACK, SF-2

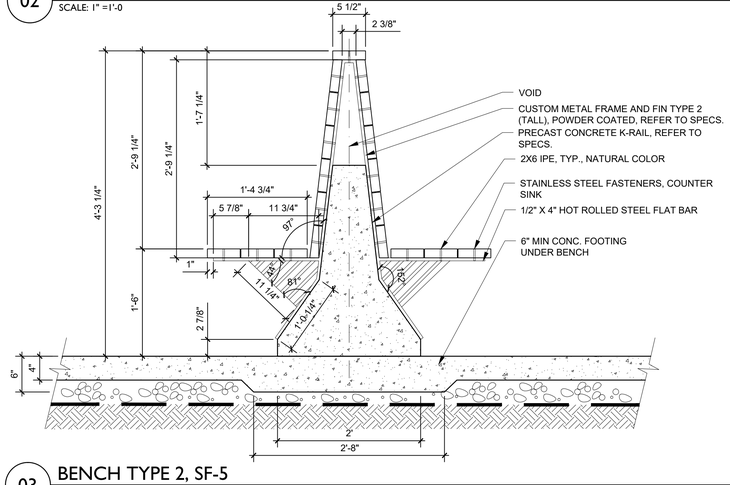
SCALE: 1" =1'-0



02 BENCH TYPE 1, SF-5

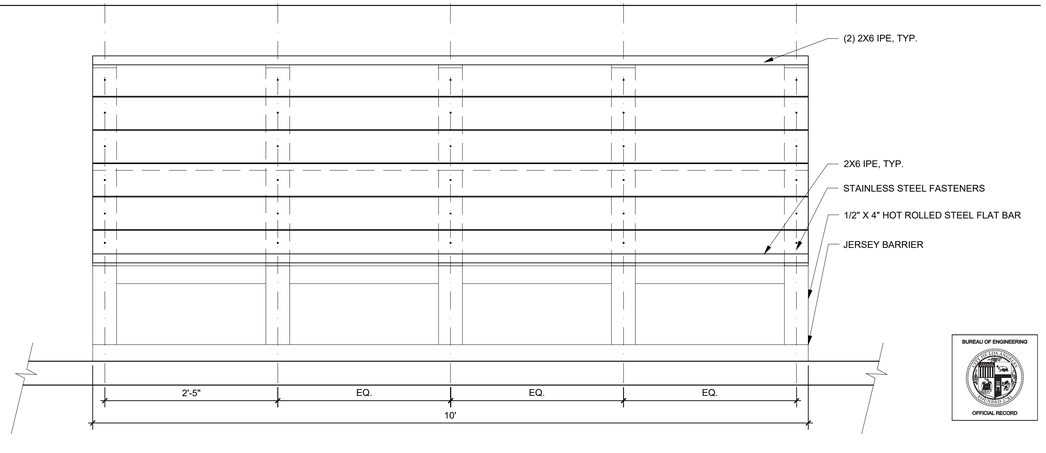
SCALE: 1" =1'-0





03 BENCH TYPE 2, SF-5

SCALE: 1" =1'-0



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CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS

BUREAU OF ENGINEERING

ENGINEERING
CITY OF LOS ANGELES

NO. REVISIONS: DATE: BY:

BUILDING NO.

INDEX NO. - RP 300094

LICENSED LANDSCAPE ARCHITECT ZACK G FREEDMAN No. 5582 STATE OF CALIFORNIA
Signature
12/31/18
Renewal Date
12/09/16
Date

GARY LEE MOORE, PE, ENV SP CITY ENGINEER DATE:

ARCHITECTURAL DIVISION

ARCHITECT: ZACK FREEDMAN, PLA LIC. NO. LA-5582

DESIGNED BY: HOOD DESIGN STUDIO

DRAWN BY: YDI

CHECKED BY: ADS

APPROVED BY: MAHMOOD KARIMZADEH, A.I.A., PRINCIPAL ARCHITECT

CITY OF LOS ANGELES

VERTICAL CONTROL:

HORIZONTAL CONTROL:

SHEET TITLE: SITE FURNISHING DETAILS

PROJECT: RANCHO CIENEGA SPORTS COMPLEX

ADDRESS: 5001 RODEO ROAD LOS ANGELES, CA 90016

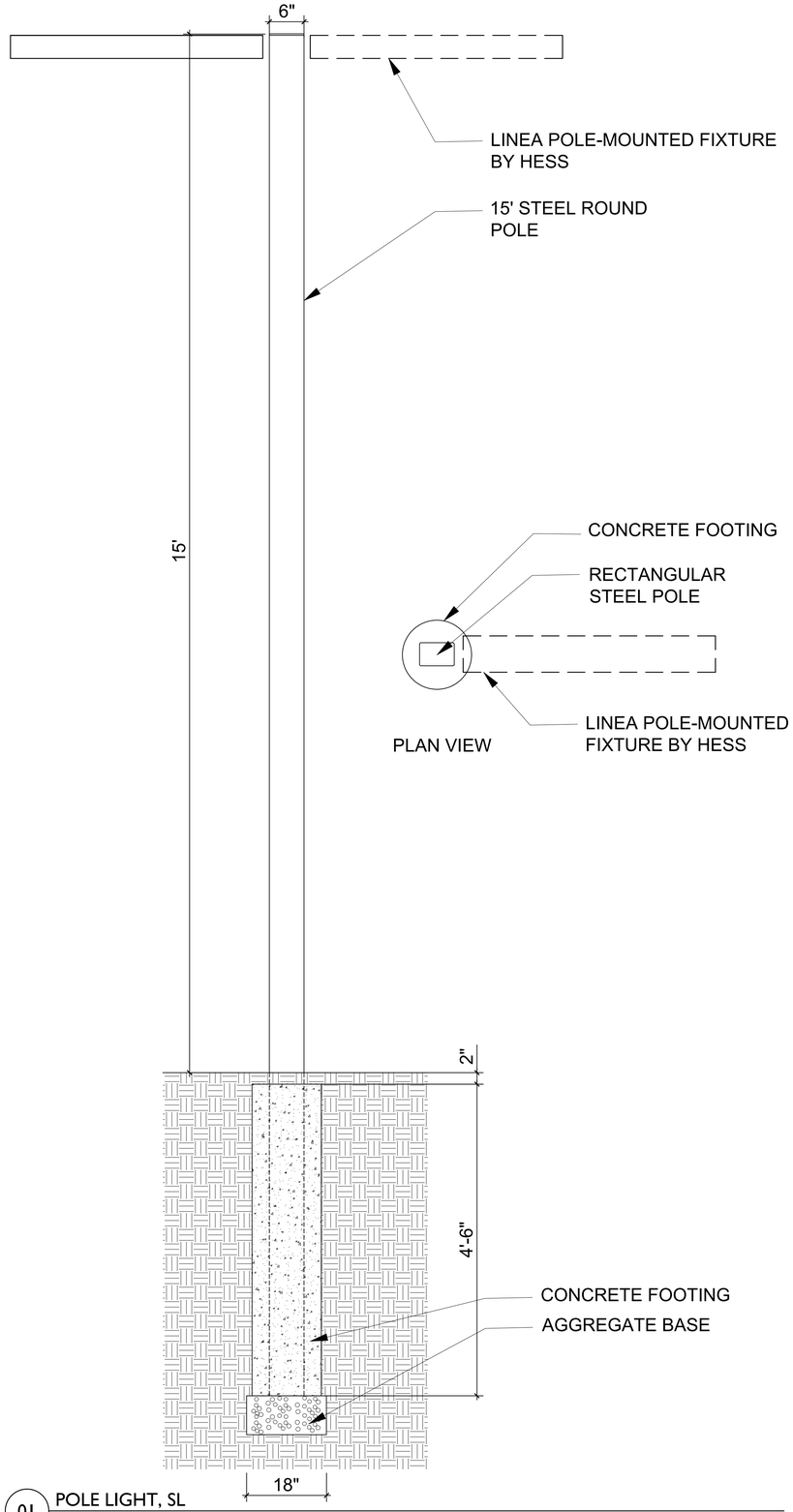
WORK ORDER NO. E1907694

PLAN FILE NO.

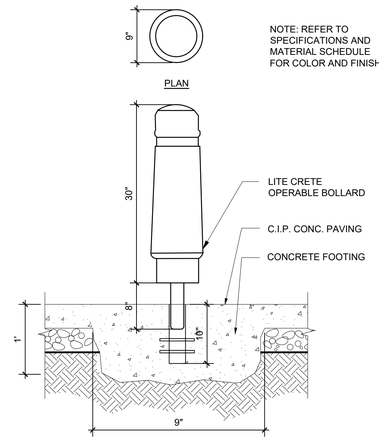
DRAWING NO. L-4.4

SHEET OF SHEETS

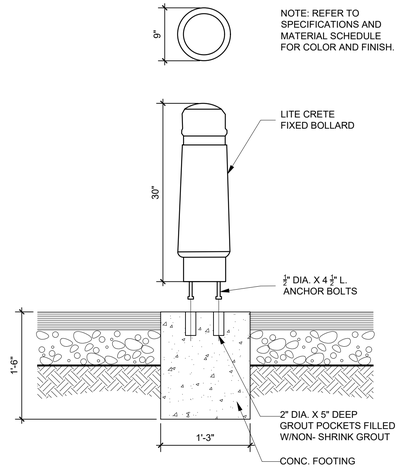
PLOTTED: 12/12/2016 10:20 AM



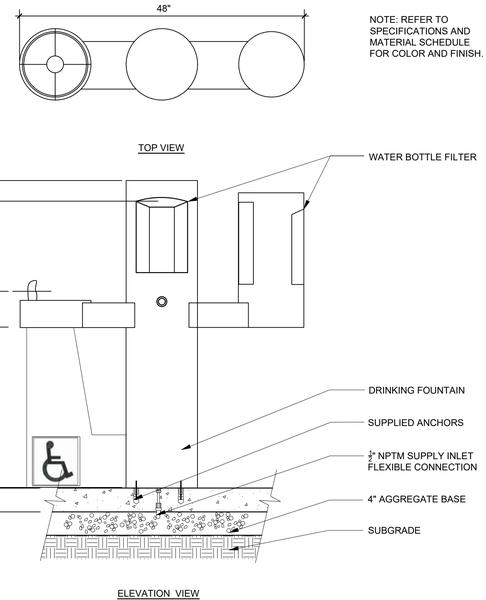
01 POLE LIGHT, SL
SCALE: 1" = 1'-0



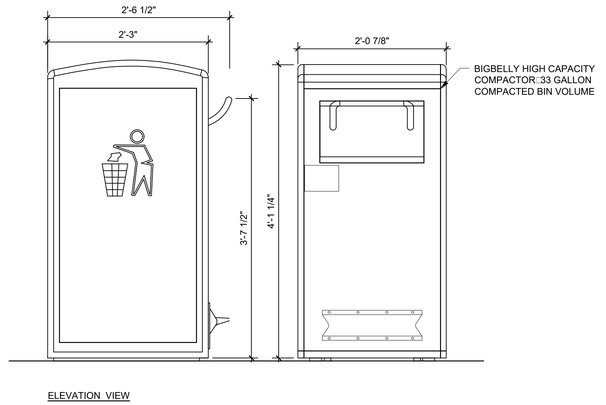
02 PRECAST CONC. OPERABLE BOLLARD, SF-7
SCALE: 1" = 1'-0



03 PRECAST CONC. FIXED BOLLARD SF-6
SCALE: 1" = 1'-0



04 MURDOCK DRINKING FOUNTAIN-BOTTLE FILTER, SF-3
SCALE: 1" = 1'-0



05 BIG BELLY RECYCLE STATION, SF-1
SCALE: 1" = 1'-0

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CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS BUREAU OF ENGINEERING

ENGINEERING
CITY OF LOS ANGELES

NO. REVISIONS: DATE: BY:

BUILDING NO.

INDEX NO. - RP 300094

LICENSED LANDSCAPE ARCHITECT
ZACK G FREEDMAN
Signature
09/31/18
Renewal Date
12/26/18
Date
STATE OF CALIFORNIA

GARY LEE MOORE, PE, ENV SP CITY ENGINEER
ARCHITECTURAL DIVISION
ARCHITECT: ZACK FREEDMAN, PLA LIC. NO. LA-5882
DESIGNED BY: HOOD DESIGN STUDIO
DRAWN BY:
CHECKED BY:
APPROVED BY: MAHMOOD KARIMZADEH, A.I.A., PRINCIPAL ARCHITECT

VERTICAL CONTROL:
HORIZONTAL CONTROL:

SHEET TITLE: SITE FURNISHING DETAILS
PROJECT: RANCHO CIENEGA SPORTS COMPLEX
ADDRESS: 5001 RODEO ROAD LOS ANGELES, CA 90016

BUREAU OF ENGINEERING
OFFICIAL RECORD

WORK ORDER NO. E1907694
PLAN FILE NO.
DRAWING NO. L-4.5
SHEET OF SHEETS

PLOTTED: 12/9/2016 4:15 PM

PLANTING SPECIFICATIONS

I. Contractor shall obtain a soil analysis of existing planter soil from Wallace Laboratories (310/615-0116) or accepted equivalent prior to beginning work. Soil preparation and backfill as defined in this spec are for bidding purposes only. Soil recommendations from analysis shall supercede this spec.

II. SOIL PREPARATION AND FINE GRADING

A. Do not begin soil preparation and planting untill irrigation is complete and approved.

B. Soil fill and Backfill in On-Grade Areas: Shall contain no more than 20% clay (expandable material) and have a pH range between 6.0-8.0. Mix shall be free of debris, any noxious weeds, and ingredients of objects that are detrimental to healthy plant growth. Import additional topsoil only as required to bring planting area up to finish grade. See Civil Engineer's drawings.

C. Existing compacted soil in all planting areas shall be ripped down to a depth of 8" prior to soil amendment work.

D. Weeding: Before and during preliminary and finish grading, all weeds and grasses shall be dug out by the roots and disposed of off the site.

E. Install soil amendments: Apply six (6) cubic yards of nitrogen stabilized wood shavings and 25lbs of commercial fertilizer 16-6-8 per 1000 square feet of planting. Till into soil a minimun 6"- 8" deep in both directions.

F. Finish Grading: When preliminary grading, including weeding and fertilizing, has been completed and the soil has dried sufficiently to be readily worked, all planting areas shall be graded to the elevations indicated on the Civil Engineer's Plans. Finish grades shall allow for proper drainage and shall be two (2) inches below top of curve or paving.

G. Backfill for plant pits of trees (not palms) and shrubs per cubic yard (on grade conditons): 50% Native soil, 25% fine bark, 25% fine sand, 2lbs. of 6-20-20 commercial fertilizer, 3lbs. of calcium carbonate lime, 3lbs. of dolomite lime, and 1lb. of iron sulfate.

H. Plant tablets for plant pits: Shall be Agriform 20-10-5 and 21 grams or accepted substitution. Agriform is by Sierra Chemical Co., Newark CA. Quantity shall be:

1 tablet for 1 gallon container plants
3 tablets for 5 gallon container plants
5 tablets for 15 gallon container plants
1 tablet for each 1/2" of trunk diameter of specimen trees.

III. PLANTING

A. All plant materials shall be subject to approval prior to installation. Specimen trees to be tagged by the Landscape Architect as indicated on plans. Contrator shall give Landscape Architect notice 5 days prior to planting to select materials.

B. The landscape planting plan is diagrammatic only. Final locations of plant material shall be approved in the field by the landscape Architect. The contractor shall give notice of planting three (3) working days prior to installation.

C. All plants should be healthy, of normal growth, well rooted and free from all diseases. All plants shall be free from insects.

D. All trees shall have a minimun life guarantee of one year of vigorous growth. All shrubs shall have a minimun life guarantee of six months.

E. Plant Pit: See details on plans for further information on planting. After approval of plant locations, excavate all plant holes two (2) times size of ball or container of plant.

F. Staking Trees: See details on plans for execution.

G. Groundcover: Shall be planted in all planting areas. Groundcover shall be triangulary spaced.

H. Mulching: After completion of planting, apply pebble mulch two (2) inches deep over shrub and groundcover areas. Submit sample of mulch to Landscape Architect for approval prior to ordering.

I. Steel Edging for plantings: As shown on plan. Detail 6, this page. Manufactured by: Sure-Loc, Color: Black or equivalent.

IV. JOB OBSERVATIONS

A. All visitations herein specified shall be made by the Landscape Architect, or his represenative. The Landscape Contractor shall request visitation, at least 48 hours in advance of the time of approval is required.

1. To approve the installation of the irrigation system prior to planting.
2. To approve the location of trees, shrubs and vines after they are spotted, but before the planting holes are excavated.
3. After planting is complete.

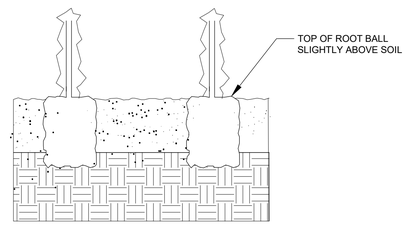
V. MAINTENANCE

A. Landscape contractor shall maintain all areas included in the contract during progress of the work untill the final acceptance of the work.

B. Contractor shall maintain all areas for 90 days in a healthy manner after final acceptance of work.

C. Owner to make arrangements for future maintenance after 90 day maintenance period.

PLANT SPECS — 9

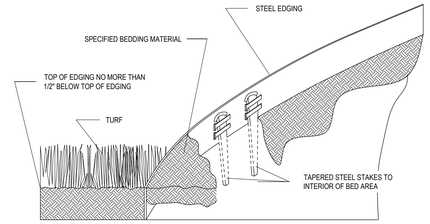


NOTE:
IF THE VINES ARE TO BE PLACED ON A POST, ATTACH GENTLY WITH GREEN PLASTIC TAPE STARTING AT 18" AND CONTINUING AT 12" INCREMENTS. SEE PLAN FOR SPACING.

VINE PLANTING TYP. — N.T.S. — 7

sure-loc

SURE-LOC ALUMINUM EDGING CORPORATION
494 EAST 64TH STREET
HOLLAND, MI 49423
TOLL FREE: (800) 787-3562
PHONE: (616) 392-3209
FAX: (616) 392-5134
www.surelocedging.com

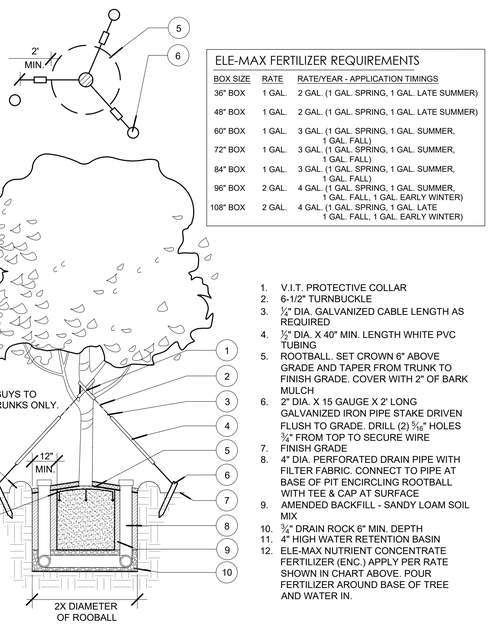


☑ SELECT DESIRED SIZE

☐ 14GA. X 4" X 10' (.070-.075" AVERAGE THICKNESS)
☐ 1/8" X 4" X 16' (.120-.125" AVERAGE THICKNESS)
☐ 3/16" X 4" X 16' (.182-.188" AVERAGE THICKNESS) POWDER COATED
☑ 1/4" X 5" X 16' (.182-.188" AVERAGE THICKNESS)

NOTES:
1. INSTALLATION TO BE COMPLETED IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS.
2. DO NOT SCALE DRAWINGS.
3. CONTRACTORS NOTE: FOR PRODUCT AND PURCHASING INFORMATION VISIT www.CADdetails.com/info REFERENCE NUMBER 200-003
4. STEEL EDGING TO BE INSTALLED 1/2" ABOVE ADJACENT FINISH GRADE

STEEL EDGING TYP. — N.T.S. — 6



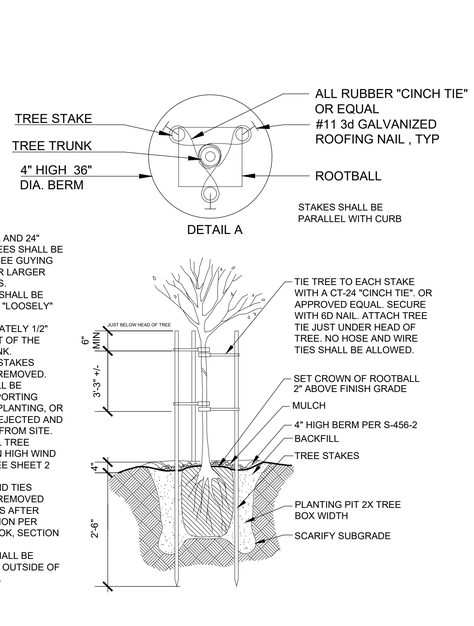
NOTE:
ATTACH GUYS TO MAJOR TRUNKS ONLY.

ELE-MAX FERTILIZER REQUIREMENTS

BOX SIZE	RATE	RATE/YEAR - APPLICATION TIMINGS
36" BOX	1 GAL.	2 GAL. (1 GAL. SPRING, 1 GAL. LATE SUMMER)
48" BOX	1 GAL.	2 GAL. (1 GAL. SPRING, 1 GAL. LATE SUMMER)
60" BOX	1 GAL.	3 GAL. (1 GAL. SPRING, 1 GAL. SUMMER, 1 GAL. FALL)
72" BOX	1 GAL.	3 GAL. (1 GAL. SPRING, 1 GAL. SUMMER, 1 GAL. FALL)
84" BOX	1 GAL.	3 GAL. (1 GAL. SPRING, 1 GAL. SUMMER, 1 GAL. FALL)
96" BOX	2 GAL.	4 GAL. (1 GAL. SPRING, 1 GAL. SUMMER, 1 GAL. FALL, 1 GAL. EARLY WINTER)
108" BOX	2 GAL.	4 GAL. (1 GAL. SPRING, 1 GAL. LATE 1 GAL. FALL, 1 GAL. EARLY WINTER)

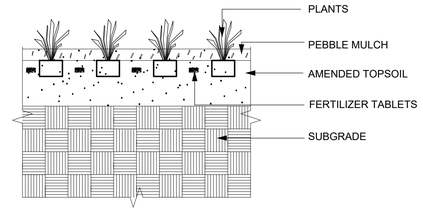
1. V.I.T. PROTECTIVE COLLAR
2. 6-1/2" TURNBUCKLE
3. ¼" DIA. GALVANIZED CABLE LENGTH AS REQUIRED
4. ½" DIA. X 40" MIN. LENGTH WHITE PVC TUBING
5. ROOTBALL. SET CROWN 6" ABOVE GRADE AND TAPER FROM TRUNK TO FINISH GRADE. COVER WITH 2" OF BARK MULCH
6. 2" DIA. X 15 GAUGE X 2' LONG GALVANIZED IRON PIPE STAKE DRIVEN FLUSH TO GRADE. DRILL (2) 5/16" HOLES ¾" FROM TOP TO SECURE WIRE
7. FINISH GRADE
8. 4" DIA. PERFORATED DRAIN PIPE WITH FILTER FABRIC. CONNECT TO PIPE AT BASE OF PIT ENCIRCLING ROOTBALL WITH TEE & CAP AT SURFACE
9. AMENDED BACKFILL - SANDY LOAM SOIL MIX
10. ¾" DRAIN ROCK 6" MIN. DEPTH
11. 4" HIGH WATER RETENTION BASIN
12. ELE-MAX NUTRIENT CONCENTRATE FERTILIZER (ENC.) APPLY PER RATE SHOWN IN CHART ABOVE. POUR FERTILIZER AROUND BASE OF TREE AND WATER IN.

SPECIMEN TREE PLANTING, TYP. — N.T.S. — 5

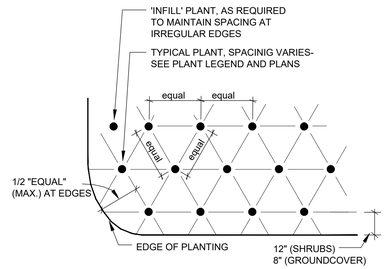


NOTES:
1. ALL 15 GAL AND 24" BOXED TREES SHALL BE STAKED. SEE GUYING DETAIL FOR LARGER TREE SIZES.
2. CINCH TIE SHALL BE INSTALLED "LOOSELY" TO ALLOW APPROXIMATELY 1/2" MOVEMENT OF THE TREE TRUNK.
3. NURSERY STAKES SHALL BE REMOVED. TREE SHALL BE SELF-SUPPORTING PRIOR TO PLANTING, OR IS TO BE REJECTED AND REMOVED FROM SITE.
4. USE METAL TREE STAKING IN HIGH WIND AREAS. SEE SHEET 2 OF 3.
5. STAKES AND TIES SHALL BE REMOVED TWO YEARS AFTER INSTALLATION PER GREEN BOOK, SECTION 308.
6. STAKES SHALL BE INSTALLED OUTSIDE OF ROOTBALL.

TREE PLANTING AND STAKING, TYP. — N.T.S. — 8

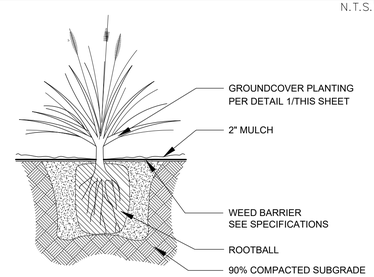


GROUNDCOVER PLUGS, TYP. — N.T.S. — 1



NOTE:
ALL GROUNDCOVER SHALL BE PLANTED AT EQUAL SPACING

GROUNDCOVER LAYOUT, TYP. — N.T.S. — 2



GROUNDCOVER PLANTING, TYP. — N.T.S. — 3

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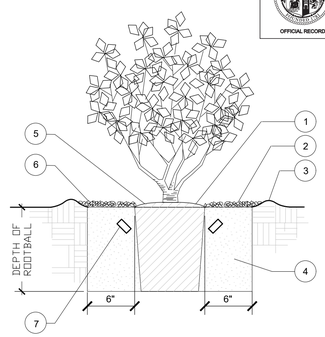

1. SET CROWN OF PLANT ROOT BALL 1" ABOVE FINISH GRADE.
2. 2" MIN. THICK LAYER OF COMPOSTED GREEN WASTE MULCH WITHIN WATERING BASIN. SEE PLANTING NOTES AND LANDSCAPE CONSTRUCTION NOTES.
3. FORM 3" HIGH TAMPED-SOIL TEMPORARY WATERING BASIN AROUND EDGE OF PLANT PIT AT THE TIME OF PLANTING, TYP. REMOVE DURING FINE GRADING PROCESS.
4. PLANT HOLES FOR 1,5,&15 GALLON SHRUBS AND 15 GALLON TREES SHALL BE 6" WIDER THAN THE WIDTH OF THE CONTAINER AND THE SAME DEPTH. SET ROOTBALL ON NATURAL UNDISTURBED SOIL AT THE BOTTOM OF THE HOLE, PLUMB TO GRADE. SEE LANDSCAPE CONSTRUCTION NOTES FOR BACKFILL MIX.
5. LEAVE 6" MIN. CLEAR OF MULCH AROUND PLANT CROWN ALL SIDES, TYP.
6. FINISH GRADE.
7. TYPICAL FERTILIZER TABLET AT 3" DEPTH PER LANDSCAPE CONSTRUCTION NOTES.

SHRUB PLANTING, TYP. — N.T.S. — 4

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REVISION DATES (DESIGN STAGE ONLY)

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CITY OF LOS ANGELES
DEPARTMENT OF PUBLIC WORKS
BUREAU OF ENGINEERING
ENGINEERING
CITY OF LOS ANGELES

NO. REVISIONS: DATE: BY:

BUILDING NO. XX/XX
INDEX NO. -
RP 300094

LICENSED LANDSCAPE ARCHITECT
ZACH D FREEDMAN CAMPS
Signature
05/31/18
Renewal Date
12/09/16
Date
STATE OF CALIFORNIA

CITY ENGINEER
GARY LEE MOORE, PE, ENV SP
ARCHITECTURAL DIVISION
DATE:

ARCHITECT: ZACK FREEDMAN, PLA
LIC. NO. LA-6582
DESIGNED BY: HOOD DESIGN
DRAWN BY:
CHECKED BY:
APPROVED BY: MAHMOOD KARIMZADEH, A.I.A., PRINCIPAL ARCHITECT

VERTICAL CONTROL:
HORIZONTAL CONTROL:

SHEET TITLE: PLANTING DETAILS
PROJECT: RANCHO CIENEGA SPORTS COMPLEX
ADDRESS: 5001 RODEO ROAD LOS ANGELES, CA 90016

WORK ORDER NO. E1907694
PLAN FILE NO.
DRAWING NO. L-4.6
SHEET OF SHEETS

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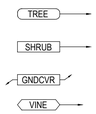
PLANTING NOTES

1. TRIM ALL TREES, INCLUDING STREET TREES, AS PART OF THIS CONTRACT.
2. THE CONTRACTOR SHALL MAINTAIN A QUALIFIED SUPERVISOR ON THE SITE AT ALL TIMES DURING CONSTRUCTION THROUGH COMPLETION OF PICK-UP WORK.
3. THE CONTRACTOR SHALL VERIFY ALL PLANT MATERIAL QUANTITIES PRIOR TO INSTALLATION. PLANT MATERIAL QUANTITIES LISTED FOR CONVENIENCE OF CONTRACTOR. ACTUAL NUMBER OF SYMBOLS SHALL HAVE PRIORITY OVER QUANTITIES DESIGNATED.
4. REMOVE ALL DEBRIS, WEEDS, EXCESS MATERIAL AND ROCKS LARGER THAN 1" IN DIAMETER FROM PLANTING AREAS PRIOR TO PREPARATION & AGAIN PRIOR TO PLANTING.
5. SEE DETAILS AND SPECIFICATIONS FOR STAKING METHOD, PLANT PIT DIMENSIONS, SOIL PREPARATION, AND BACKFILL REQUIREMENTS.
6. ALL PLANT MATERIALS SHALL BE APPROVED BY THE LANDSCAPE ARCHITECT PRIOR TO INSTALLATION.
7. FINAL LOCATION OF ALL PLANT MATERIAL SHALL BE SUBJECT TO THE APPROVAL OF THE LANDSCAPE ARCHITECT.
8. CONTRACTOR SHALL NOTIFY LANDSCAPE ARCHITECT 48 HOURS PRIOR TO COMMENCEMENT OF WORK TO COORDINATE PROJECT OBSERVATION SCHEDULES.
9. GROUNDCOVER PLANTING SHALL BE CONTINUOUS UNDER ALL TREES AND SHRUBS. GROUNDCOVER SHALL BE PLANTED ACCORDING TO SPACING ON PLANT LEGEND.
10. TREES SHALL BE LOCATED A MINIMUM OF 5' FROM WALLS, OVERHEADS, WALKS, HEADERS, AND OTHER TREES WITHIN THE PROJECT. IF CONFLICTS ARISE BETWEEN SIZE OF AREAS AND PLANS, CONTRACTOR TO CONTACT LANDSCAPE ARCHITECT FOR RESOLUTION. FAILURE TO MAKE SUCH CONFLICTS KNOWN TO THE LANDSCAPE ARCHITECT WILL RESULT IN CONTRACTOR'S LIABILITY TO RELOCATE THE MATERIALS.
11. THE CONTRACTOR SHALL, AT HIS OWN EXPENSE, SUBMIT AT LEAST TWO (2) SAMPLES OF SITE SOIL FOR AGRICULTURAL SUITABILITY AND FERTILITY ANALYSIS AND AMENDMENT RECOMMENDATION TO: WALLACE LABORATORIES (310) 615-0116 , OR OTHER TESTING LABORATORY APPROVED BY THE CITY. ALL SAMPLES TO BE TAKEN FROM THE TOP 12"-18" OF SITE SOIL AFTER COMPLETION OF THE DEMOLITION AND ROUGH GRADING.
12. ALL PLANTING AREAS SHALL BE LOOSENED TO A DEPTH OF 8". APPLY 4 C.Y. OF ORGANIC AMENDMENT AND 15 LBS. OF 10-10-10 FERTILIZER PER 1000 S.F. AND BLEND WITH THE TOP 6" OF SOIL. THIS AMENDMENT IS FOR BIDDING PURPOSES, AND SHALL BE SUPERCEDED BY RECOMMENDATIONS OF THE SOIL ANALYSIS REPORT.
13. FOR ALL TREES AND SHRUB PLANTING, THE FOLLOWING PREPARED SOIL MIX SHALL BE USED FOR BACKFILL IN THE PLANTERS. THIS MIX IS FOR BIDDING PURPOSES, AND SHALL BE SUPERCEDED BY RECOMMENDATIONS OF THE SOIL ANALYSIS REPORT.
    SITE SOIL - 6 PARTS BY VOLUME
    ORGANIC AMENDMENT - 4 PARTS BY VOLUME
    SOIL CONDITIONER/FERTILIZER 10-10-10 - 1LB. PER C.Y. OF MIX
    IRON SULFATE - 2 LBS. PER C.Y. OF MIX

TREE LEGEND

SYMBOL	QTY.	SIZE	SPACING	LATIN NAME/COMMON NAME	WUCOLS	REMARKS
TREES						
	51	48" BOX	as shown	Acacia stenophylla / Shoestring Acacia	Low	
	41	48" BOX	as shown	Arbutus 'Marina' / Marina Strawberry Tree	Low	
	7	48" BOX	as shown	Fraxinus velutina / Velvet Ash	Moderate	
	13	48" BOX	as shown	Geijera parviflora / Australian Willow	Low	
	20	48" BOX	as shown	Pinus torreyana / Torrey Pine	Low	
	9	60" BOX	as shown	Pinus torreyana / Torrey Pine	Low	
	17	48" BOX	as shown	Platanus mexicana 'Alamo' / Alamo Sycamore	Moderate	
	14	48" BOX	as shown	Quercus engelmannii / Engelmann Oak	Very Low	
	7	48" BOX	as shown	Quercus tomentella / Island Oak	Low	
	4	48" BOX	as shown	Tipuana tipu / Tipa	Low	
	88	N/A	as shown	Existing Tree	N/A	Protect in place

PLANT CALLOUT KEY:



PHASE I - MOHAVE PALETTE

TREE LEGEND

SYMBOL	QTY.	SIZE	SPACING	LATIN NAME/COMMON NAME	WUCOLS	REMARKS
TREES						
	51	48" BOX	as shown	Acacia stenophylla / Shoestring Acacia	Low	
	1	48" BOX	as shown	Arbutus 'Marina' / Marina Strawberry Tree	Low	
	2	48" BOX	as shown	Geijera parviflora / Australian Willow	Low	
	6	48" BOX	as shown	Pinus torreyana / Torrey Pine	Low	

SHRUB/GC/VINE LEGEND

SYMBOL	QTY.	SIZE	SPACING	LATIN NAME/COMMON NAME	WUCOLS	REMARKS
SHRUBS						
	8	1 Gal	36" O.C.	Achillea 'Island Pink'	Low	Full Can
	11	5 Gal	60" O.C.	Agave attenuata 'Nova'	Low	Full Can
	83	5 Gal	54" O.C.	Agave 'Blue Flame'	Low	Full Can
	68	5 Gal	30" O.C.	Agave 'Blue Glow'	Low	Full Can
	46	5 Gal	60" O.C.	Agave geminiflora	Low	Full Can
	10	5 Gal	48" O.C.	Baccharis pilularis 'Pigeon Point'	Low	
	44	24" Box	72" O.C.	Dasylirion longissimum	Low	
	94	5 Gal	60" O.C.	Echinocactus grusonii	Low	Full Can
	11	5 Gal	36" O.C.	Encelia californica	Low	
	18	1 Gal	48" O.C.	Eriogonum fasciculatum 'Dana Point'	Low	Full Can
	204	5 Gal	36" O.C.	Hesperaloe parviflora	Very Low	
	11	1 Gal	36" O.C.	Muhlenbergia capillaris	Moderate	
	8	1 Gal	36" O.C.	Muhlenbergia dubia	Low	
	64	1 Gal	36" O.C.	Sedum nussbaumerianum	Low	
	17	1 Gal	24" O.C.	Solidago californica	Low	Full Can
	435	1 Gal	24" O.C.	Verbena lilacina 'De La Mina'	Low	Full Can
	8	1 Gal	36" O.C.	Viquiera lacanata	Low	Full Can

SHRUB/GC/VINE LEGEND

SYMBOL	QTY.	SIZE	SPACING	LATIN NAME/COMMON NAME	WUCOLS	REMARKS
SHRUBS						
	96	1 Gal	36" O.C.	Achillea 'Island Pink'	Low	Full Can
	11	5 Gal	60" O.C.	Agave attenuata 'Nova'	Low	Full Can
	78	5 Gal	48" O.C.	Agave 'Blue Flame'	Low	Full Can
	60	5 Gal	30" O.C.	Agave 'Blue Glow'	Low	Full Can
	42	5 Gal	48" O.C.	Agave geminiflora	Low	Full Can
	117	5 Gal	48" O.C.	Baccharis pilularis 'Pigeon Point'	Low	
	243	5 Gal	48" O.C.	Ceanothus maritimus 'Frosty Dawn'	Low	
	78	5 Gal	60" O.C.	Ceanothus 'Joyce Coulter'	Low	
	62	5 Gal	48" O.C.	Ceanothus 'Yankee Point'	Low	
	44	15 Gal	72" O.C.	Dasylirion longissimum	Low	
	90	5 Gal	48" O.C.	Echinocactus grusonii	Low	
	176	1 Gal	36" O.C.	Encelia californica	Low	Full Can
	53	1 Gal	48" O.C.	Eriogonum cinereum	Very Low	Full Can
	75	1 Gal	48" O.C.	Eriogonum giganteum	Low	Full Can
	219	1 Gal	48" O.C.	Eriogonum fasciculatum 'Dana Point'	Low	Full Can
	204	5 Gal	36" O.C.	Hesperaloe parviflora	Very Low	
	175	1 Gal	36" O.C.	Juncus acutus	Low	
	338	1 Gal	24" O.C.	Juncus patens	Low	
	413	1 Gal	36" O.C.	Leymus condensatus 'Canyon Prince'	Low	
	180	1 Gal	36" O.C.	Muhlenbergia capillaris	Moderate	
	95	1 Gal	36" O.C.	Muhlenbergia dubia	Low	
	273	1 Gal	48" O.C.	Muhlenbergia rigens	Low	
	214	1 Gal	36" O.C.	Salvia chaemaedryoides	Low	Full Can
	164	1 Gal	36" O.C.	Salvia 'Pozo Blue'	Low	Full Can
	65	1 Gal	48" O.C.	Salvia leucophylla 'Point Sal'	Low	Full Can
	64	1 Gal	24" O.C.	Sedum nussbaumerianum	Low	
	220	1 Gal	24" O.C.	Solidago californica	Low	Full Can
	321	1 Gal	24" O.C.	Sporobolis airoides	Low	Full Can
	435	1 Gal	24" O.C.	Verbena lilacina 'De La Mina'	Low	Full Can
	179	1 Gal	36" O.C.	Viguiera lacanata	Low	Full Can
GROUNDCOVERS						
	5,260 SF	Plugs	12" O.C.	Carex divulsa	Low	
	16,843 SF	Plugs	12" O.C.	Carex flacca	Low	
	590 SF	Plugs	12" O.C.	Carex praegracilis	Moderate	
	179,760 SF	Seed	As Shown	City of LA Sports Field Mix	High	Bermuda/Dwarf Kikuyu Blend
	190,160 SF	N/A	N/A	(E) Grass Fields	N/A	
VINES						
	15	5 Gal	8' O.C.	Macfadyena unguis-cati	Low	
	14	5 Gal	8' O.C.	Mascagnia lilacina	Low	
	66	5 Gal	24" O.C.	Mascagnia macroptera	Low	
	26	5 Gal	24" O.C.	Pyrostegia venusta	Low	

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CITY OF LOS ANGELES

NO. | REVISIONS: | DATE: | BY:

BUILDING NO. XX/XX

RP 300094

INDEX NO. -

LICENSED LANDSCAPE ARCHITECT
ZACK D FREEDMAN CAMC
Signature
05/31/16
Renewal Date
12/09/16
Date
STATE OF CALIFORNIA

DEPARTMENT OF PUBLIC WORKS
CITY OF LOS ANGELES

GARY LEE MOORE, PE, ENV SP CITY ENGINEER
DATE:
ARCHITECTURAL DIVISION
ARCHITECT: ZACK FREEDMAN, PLA LIC. NO. LA-6582
DESIGNED BY: HOOD DESIGN
DRAWN BY:
CHECKED BY:
APPROVED BY: MAHMOOD KARIMZADEH, A.I.A., PRINCIPAL ARCHITECT

VERTICAL CONTROL:
HORIZONTAL CONTROL:

SHEET TITLE: PLANTING NOTES AND SCHEDULE

PROJECT: RANCHO CIENEGA SPORTS COMPLEX

ADDRESS: 5001 RODEO ROAD
LOS ANGELES, CA 90016

BUREAU OF ENGINEERING
OFFICIAL RECORD

WORK ORDER NO.
E1907694

PLAN FILE NO.

DRAWING NO.
L-5.0

SHEET OF SHEETS

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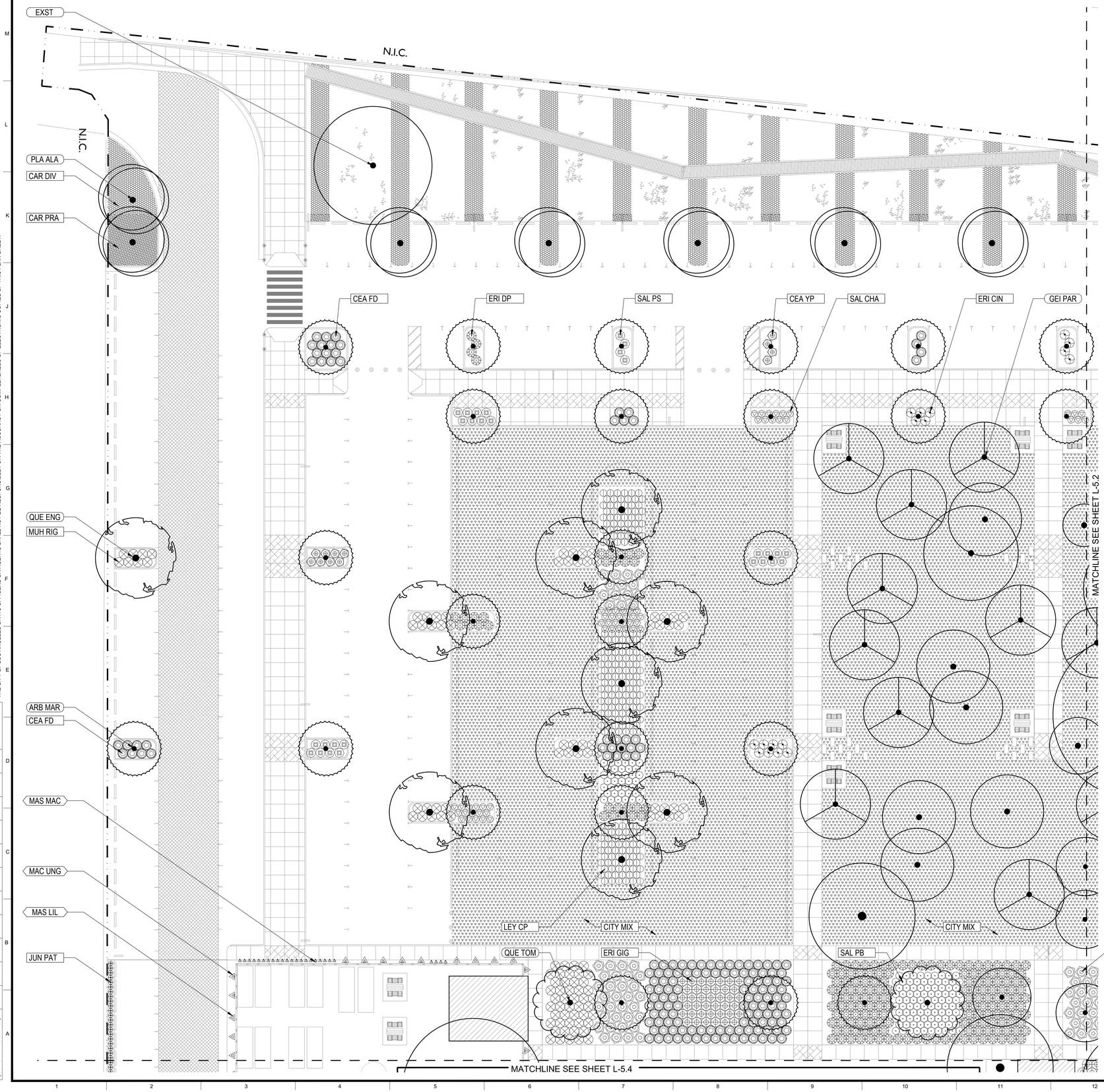


TREE LEGEND

MARK	SYMBOL	QTY	SPACING	SCIENTIFIC NAME
EXST		N/A	N/A	EXISTING TREE
ARB MAR		25	VARIES	ARBUTUS 'MARINA'
GEI PAR		9	VARIES	GEIJERA PARVIFLORA
PLA ALA		7	VARIES	PLATANUS 'ALAMO'
QUE ENG		10	VARIES	QUERCUS ENGELMANNII
QUE TOM		2	VARIES	QUERCUS TOMENTELLA

SHRUB/GC/VINE LEGEND

SHRUB

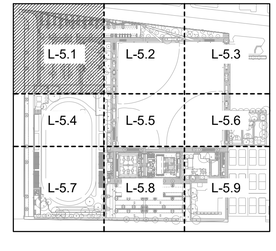
MARK	SYMBOL	QTY	SPACING	SCIENTIFIC NAME
CEA FD		155	48" O.C.	CEANOTHUS 'FROSTY DAWN'
CEA JC		11	48" O.C.	CEANOTHUS 'JOYCE COULTER'
CEA YP		12	48" O.C.	CEANOTHUS 'YANKEE POINT'
ERI CIN		17	48" O.C.	ERIOGONUM CINEREUM
ERI DP		181	48" O.C.	ERIOGONUM FAS. 'DANA POINT'
ERI GIG		39	48" O.C.	ERIOGONUM GIGANTEUM
JUN PAT		21	24" O.C.	JUNCUS PATENS
LEY CP		216	36" O.C.	LEYMUS CON. 'CANYON PRINCE'
MUH RIG		107	48" O.C.	MUHLENBERGIA RIGENS
SAL CHA		57	36" O.C.	SALVIA CHAEMAEDRYOIDES
SAL PB		134	36" O.C.	SALVIA 'POZO BLUE'
SAL PS		28	48" O.C.	SALVIA LEUCOPHYLLA 'POINT SAL'

GROUND COVER

MARK	SYMBOL	QTY	SPACING	SCIENTIFIC NAME
CAR DIV		4623 SF	12" O.C.	CAREX DIVULSA
CAR PRA		590 SF	12" O.C.	CAREX PRAEGRACILIS
CITY MIX		22060 SF	SEED	CITY OF LA SPORTS FIELD MIX

VINES

MARK	SYMBOL	QTY	SPACING	SCIENTIFIC NAME
MAC UNG		9	96" O.C.	MACFADYENA UNGUIS-CATI
MAS LIL		7	96" O.C.	MASCAGNIA LILACINA
MAS MAC		25	24" O.C.	MASCAGNIA MACROPTERA



GRAPHIC SCALE

20 10 0 10 20 40

1" = 20'-0"

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BUILDING NO. XX/XX

INDEX NO. - RP 300094

LICENSED LANDSCAPE ARCHITECT
ZACHARY FREEDMAN CAMP
Signature
05/31/18
Renewal Date
12/09/16
Date
STATE OF CALIFORNIA

VERTICAL CONTROL:
HORIZONTAL CONTROL:

SHEET TITLE: PLANTING PLAN

PROJECT: RANCHO CIENEGA SPORTS COMPLEX

ADDRESS: 5001 RODEO ROAD LOS ANGELES, CA 90016

GARY LEE MOORE, PE, ENV SP CITY ENGINEER
ARCHITECTURAL DIVISION DATE:

ARCHITECT: ZACK FREEDMAN, PLA LIC. NO. LA-6582

DESIGNED BY: HOOD DESIGN

DRAWN BY:

CHECKED BY:

APPROVED BY: MAHMOOD KARIMZADEH, A.I.A., PRINCIPAL ARCHITECT

WORK ORDER NO. E1907694

PLAN FILE NO.

DRAWING NO. L-5.1

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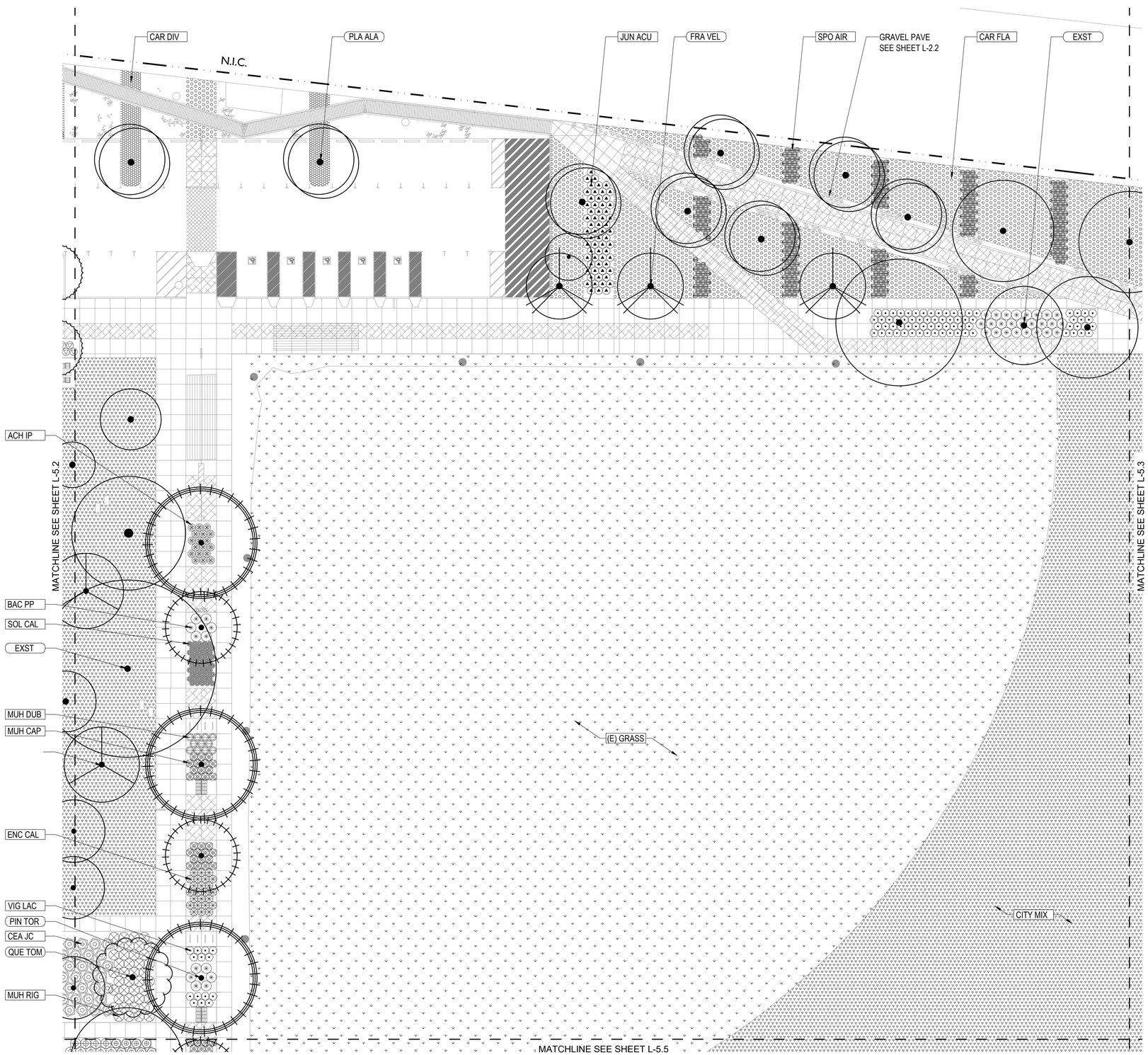


TREE LEGEND

MARK	SYMBOL	QTY	SPACING	SCIENTIFIC NAME
EXST		N/A	N/A	EXISTING TREE
FRA VEL		3	VARIES	FRAXINUS VELUTINA
GEI PAR		2	VARIES	GEIJERA PARVIFLORA
PLA ALA		8	VARIES	PLATANUS 'ALAMO'
PIN TOR		5	VARIES	PINUS TORREYANA
QUE TOM		1	VARIES	QUERCUS TOMENTELLA

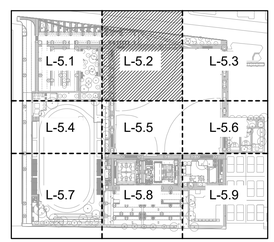
SHRUB/GC/VINE LEGEND

SHRUB

MARK	SYMBOL	QTY	SPACING	SCIENTIFIC NAME
ACH IP		18	36" O.C.	ACHILLEA 'ISLAND PINK'
BAC PP		37	48" O.C.	BACCHARIS PIL. 'PIGEON POINT'
CEA JC		21	48" O.C.	CEANOTHUS 'JOYCE COULTER'
ENC CAL		24	36" O.C.	ENCELIA CALIFORNICA
JUN ACU		66	36" O.C.	JUNCUS ACUTUS
MUH CAP		28	36" O.C.	MUHLENBERGIA CAPILLARIS
MUH DUB		11	36" O.C.	MUHLENBERGIA DUBIA
MUH RIG		40	48" O.C.	MUHLENBERGIA RIGENS
SOL CAL		50	24" O.C.	SOLIDAGO CALIFORNICA
SPO AIR		321	24" O.C.	SPOROBOLIS AIROIDES
VIG LAC		77	36" O.C.	VIGUIERA LACANATA

GROUND COVER

MARK	SYMBOL	QTY	SPACING	SCIENTIFIC NAME
CAR DIV		543 SF	12" O.C.	CAREX DIVULSA
CAR FLA		7374 SF	12" O.C.	CAREX FLACCA
CITY MIX		6996 SF	SEED	CITY OF LA SPORTS FIELD MIX



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GRAPHIC SCALE
20 10 0 10 20 40
1" = 20'-0"

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ENGINEERING
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GARY LEE MOORE, PE, ENV SP CITY ENGINEER
ARCHITECTURAL DIVISION LIC. NO. LA-5582 DATE:
ARCHITECT: ZACK FREEDMAN, PLA
DESIGNED BY: HOOD DESIGN
DRAWN BY:
CHECKED BY:
APPROVED BY: MAHMOOD KARIMZADEH, A.I.A., PRINCIPAL ARCHITECT

VERTICAL CONTROL:
HORIZONTAL CONTROL:

SHEET TITLE: PLANTING PLAN

PROJECT: RANCHO CIENEGA SPORTS COMPLEX

ADDRESS: 5001 RODEO ROAD LOS ANGELES, CA 90016

WORK ORDER NO. E1907694
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DRAWING NO. L-5.2
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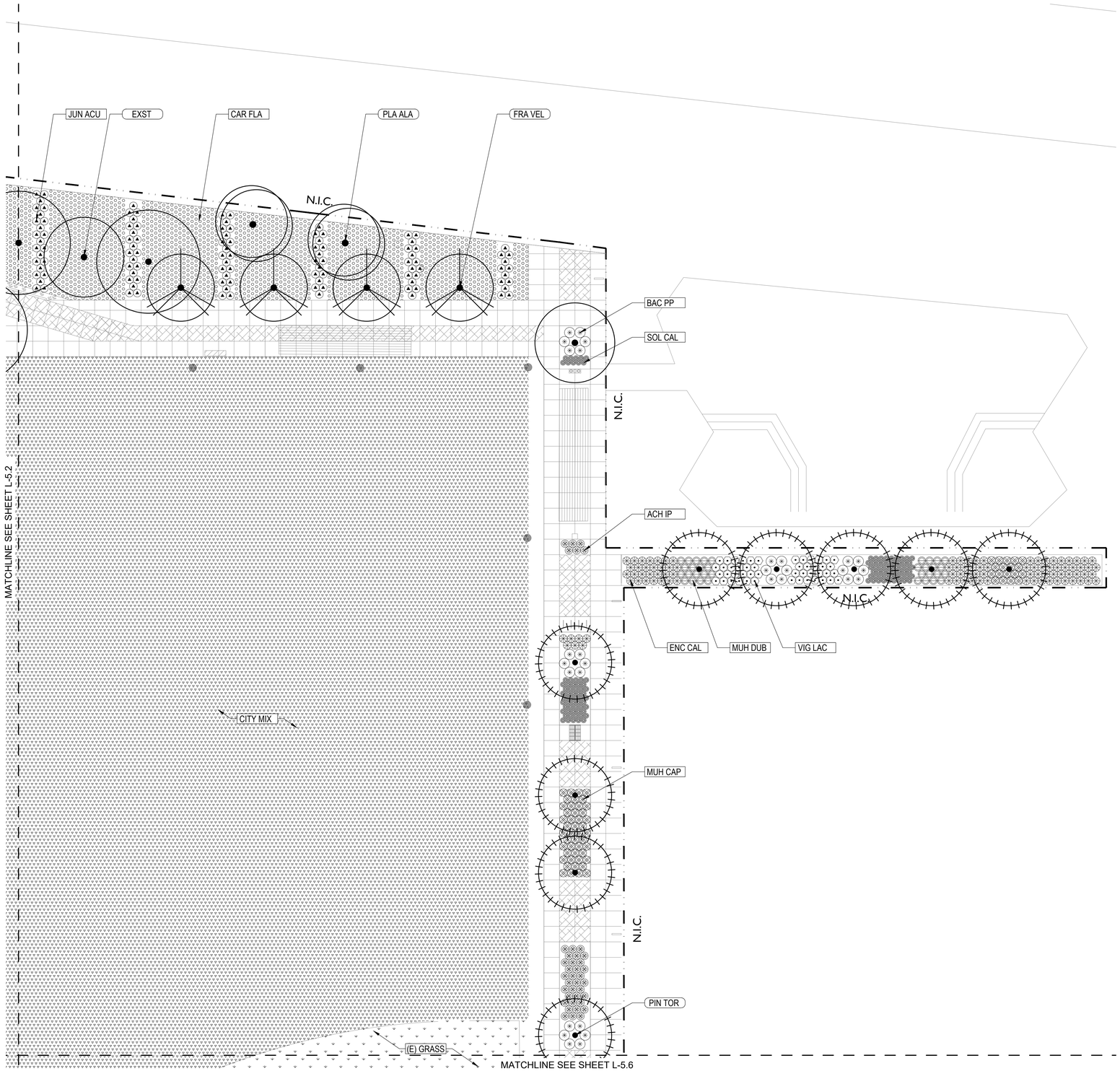


TREE LEGEND

MARK	SYMBOL	QTY	SPACING	SCIENTIFIC NAME
EXST		N/A	N/A	EXISTING TREE
FRA VEL		4	VARIES	FRAXINUS VELUTINA
PIN TOR		9	VARIES	PINUS TORREYANA
PLA ALA		2	VARIES	PLATANUS 'ALAMO'

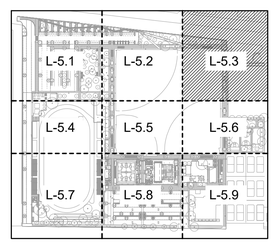
SHRUB/GC/VINE LEGEND

SHRUB

MARK	SYMBOL	QTY	SPACING	SCIENTIFIC NAME
ACH IP		39	36" O.C.	ACHILLEA 'ISLAND PINK'
BAC PP		31	48" O.C.	BACCHARIS PIL. 'PIGEON POINT'
ENC CAL		95	36" O.C.	ENCELIA CALIFORNICA
JUN ACU		109	36" O.C.	JUNCUS ACUTUS
MUH CAP		64	36" O.C.	MUHLENBERGIA CAPILLARIS
MUH DUB		34	36" O.C.	MUHLENBERGIA DUBIA
SOL CAL		113	24" O.C.	SOLIDAGO CALIFORNICA
VIG LAC		48	36" O.C.	VIGUIERA LACANATA

GROUND COVER

MARK	SYMBOL	QTY	SPACING	SCIENTIFIC NAME
CAR FLA		5311 SF	12" O.C.	CAREX FLACCA
CITY MIX		52364 SF	SEED	CITY OF LA SPORTS FIELD MIX



GRAPHIC SCALE
20 10 0 10 20 40
1" = 20'-0"

BUREAU OF ENGINEERING
OFFICIAL RECORD

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DEPARTMENT OF PUBLIC WORKS
BUREAU OF ENGINEERING

ENGINEERING
CITY OF LOS ANGELES

BUILDING NO. XX/XX

INDEX NO. - RP 300094

NO. REVISIONS: DATE: BY:

LICENSED LANDSCAPE ARCHITECT
ZACK D FREEDMAN
Signature
05/31/18
Renewal Date
12/09/16
Date
STATE OF CALIFORNIA

CITY OF LOS ANGELES
DEPARTMENT OF PUBLIC WORKS
BUREAU OF ENGINEERING

VERTICAL CONTROL:
HORIZONTAL CONTROL:

SHEET TITLE: PLANTING PLAN

PROJECT: RANCHO CIENEGA SPORTS COMPLEX

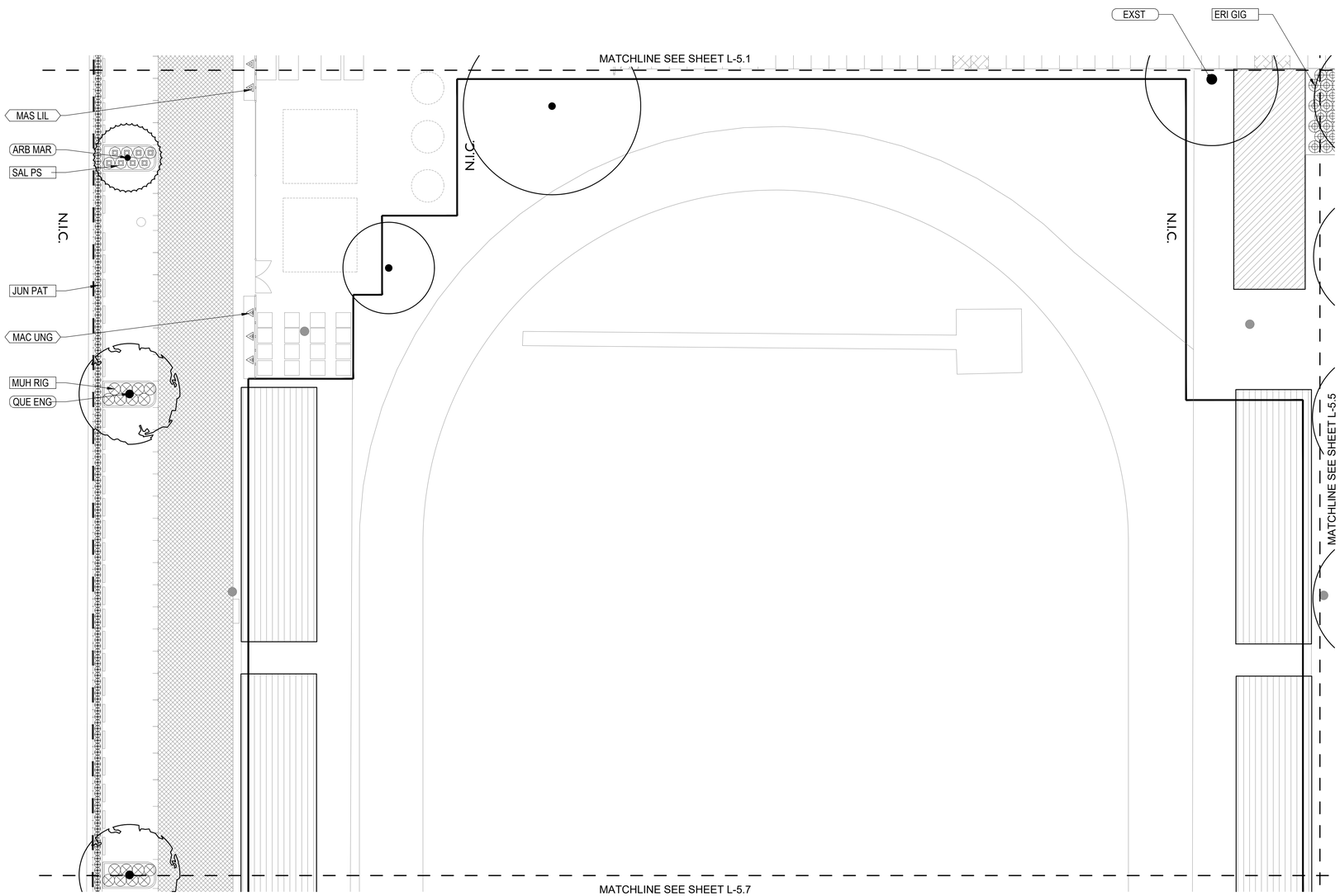
ADDRESS: 5001 RODEO ROAD
LOS ANGELES, CA 90016

GARY LEE MOORE, PE, ENV SP CITY ENGINEER DATE:
ARCHITECTURAL DIVISION
ARCHITECT: ZACK FREEDMAN, PLA LIC. NO. LA-5582
DESIGNED BY: HOOD DESIGN
DRAWN BY:
CHECKED BY:
APPROVED BY: MAHMOOD KARIMZADEH, A.I.A., PRINCIPAL ARCHITECT

WORK ORDER NO. E1907694
PLAN FILE NO.
DRAWING NO. L-5.3
SHEET OF SHEETS

PLOTTED: 12/9/2016 4:09 PM

REVISION DATES (DESIGN STAGE ONLY)



TREE LEGEND

MARK	SYMBOL	QTY	SPACING	SCIENTIFIC NAME
EXST		N/A	N/A	EXISTING TREE
ARB MAR		1	VARIES	ARBUTUS 'MARINA'
QUE ENG		2	VARIES	QUERCUS ENGELMANNII

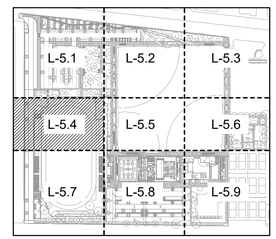
SHRUB/GC/VINE LEGEND

SHRUB

MARK	SYMBOL	QTY	SPACING	SCIENTIFIC NAME
ERI GIG		4	48" O.C.	ERIOGONUM GIGANTEUM
JUN PAT		136	24" O.C.	JUNCUS PATENS
MUH RIG		12	48" O.C.	MUHLENBERGIA RIGENS
SAL PS		8	48" O.C.	SALVIA LEUCOPHYLLA 'POINT SAL'

VINES

MARK	SYMBOL	QTY	SPACING	SCIENTIFIC NAME
MAC UNG		3	96" O.C.	MACFADYENA UNGUIS-CATI
MAS LIL		1	96" O.C.	MASCAGNIA LILACINA



GRAPHIC SCALE

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1" = 20'-0"

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ENGINEERING
CITY OF LOS ANGELES

BUILDING NO. XX/XX

INDEX NO. - RP 300094

NO. REVISIONS: DATE: BY:

LICENSED LANDSCAPE ARCHITECT ZACKARY FREEDMAN CAMPBELL
Signature
05/31/18
Renewal Date
12/09/16
Date
STATE OF CALIFORNIA

GARY LEE MOORE, PE, ENV SP CITY ENGINEER
ARCHITECTURAL DIVISION
ARCHITECT: ZACK FREEDMAN, PLA LIC. NO. LA-6582
DESIGNED BY: HOOD DESIGN
DRAWN BY:
CHECKED BY:
APPROVED BY: MAHMOOD KARIMZADEH, A.I.A., PRINCIPAL ARCHITECT

VERTICAL CONTROL:
HORIZONTAL CONTROL:

SHEET TITLE: PLANTING PLAN

PROJECT: RANCHO CIENEGA SPORTS COMPLEX

ADDRESS: 5001 RODEO ROAD
LOS ANGELES, CA 90016

WORK ORDER NO. E1907694

PLAN FILE NO.

DRAWING NO. L-5.4

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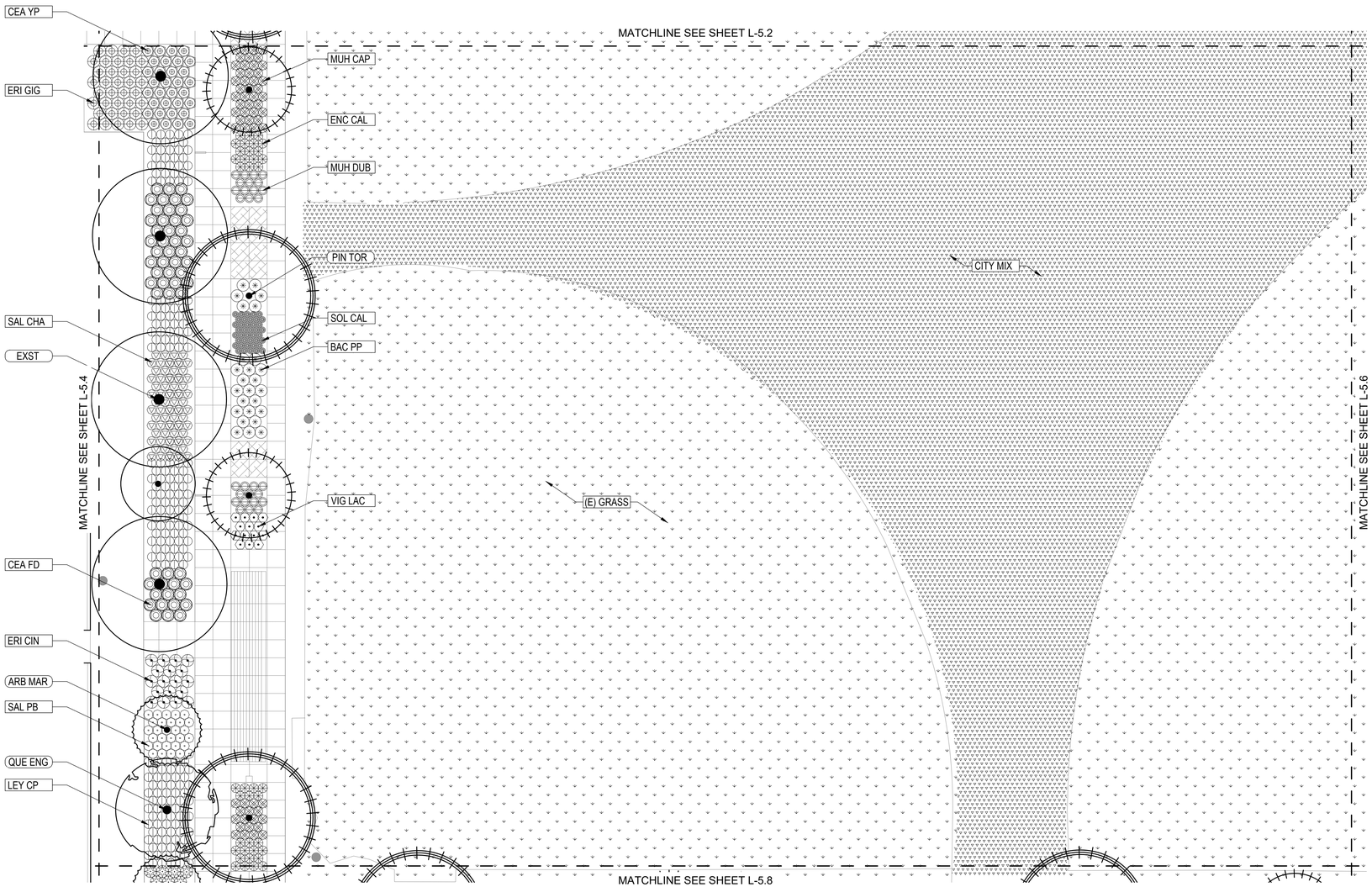


TREE LEGEND

MARK	SYMBOL	QTY	SPACING	SCIENTIFIC NAME
EXST		N/A	N/A	EXISTING TREE
ARB MAR		1	VARIES	ARBUTUS 'MARINA'
PIN TOR		4	VARIES	PINUS TORREYANA
QUE ENG		1	VARIES	QUERCUS ENGELMANNII

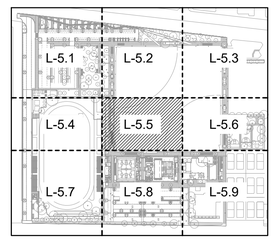
SHRUB/GC/VINE LEGEND

SHRUB

MARK	SYMBOL	QTY	SPACING	SCIENTIFIC NAME
BAC PP		26	48" O.C.	BACCHARIS PIL. 'PIGEON POINT'
CEA FD		55	48" O.C.	CEANOTHUS 'FROSTY DAWN'
CEA YP		32	48" O.C.	CEANOTHUS 'YANKEE POINT'
ENC CAL		38	36" O.C.	ENCELIA CALIFORNICA
ERI CIN		18	48" O.C.	ERIOGONUM CINEREUM
ERI GIG		32	48" O.C.	ERIOGONUM GIGANTEUM
LEY CP		197	36" O.C.	LEYMUS CON. 'CANYON PRINCE'
MUH CAP		57	36" O.C.	MUHLENBERGIA CAPILLARIS
MUH DUB		28	36" O.C.	MUHLENBERGIA DUBIA
SAL CHA		77	36" O.C.	SALVIA CHAEMAEDRYOIDES
SAL PB		30	36" O.C.	SALVIA 'POZO BLUE'
SOL CAL		40	24" O.C.	SOLIDAGO CALIFORNICA
VIG LAC		14	36" O.C.	VIGUIERA LACANATA

GROUND COVER

MARK	SYMBOL	QTY	SPACING	SCIENTIFIC NAME
CITY MIX		36500 SF	SEED	CITY OF LA SPORTS FIELD MIX



GRAPHIC SCALE

20 10 0 10 20 40

1" = 20'-0"

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CITY OF LOS ANGELES

BUILDING NO. XX/XX

RP 300094

INDEX NO. -

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ZACK D FREEDMAN
Signature
05/31/18
Renewal Date
12/09/16
Date
STATE OF CALIFORNIA

GARY LEE MOORE, PE, ENV SP CITY ENGINEER
ARCHITECTURAL DIVISION LIC. NO. LA-5582 DATE:
ARCHITECT: ZACK FREEDMAN, PLA
DESIGNED BY: HOOD DESIGN
DRAWN BY:
CHECKED BY:
APPROVED BY: MAHMOOD KARIMZADEH, A.I.A., PRINCIPAL ARCHITECT

CITY OF LOS ANGELES
VERTICAL CONTROL:
HORIZONTAL CONTROL:

SHEET TITLE: PLANTING PLAN

PROJECT: RANCHO CIENEGA SPORTS COMPLEX

ADDRESS: 5001 RODEO ROAD
LOS ANGELES, CA 90016

WORK ORDER NO. E1907694
PLAN FILE NO.
DRAWING NO. L-5.5
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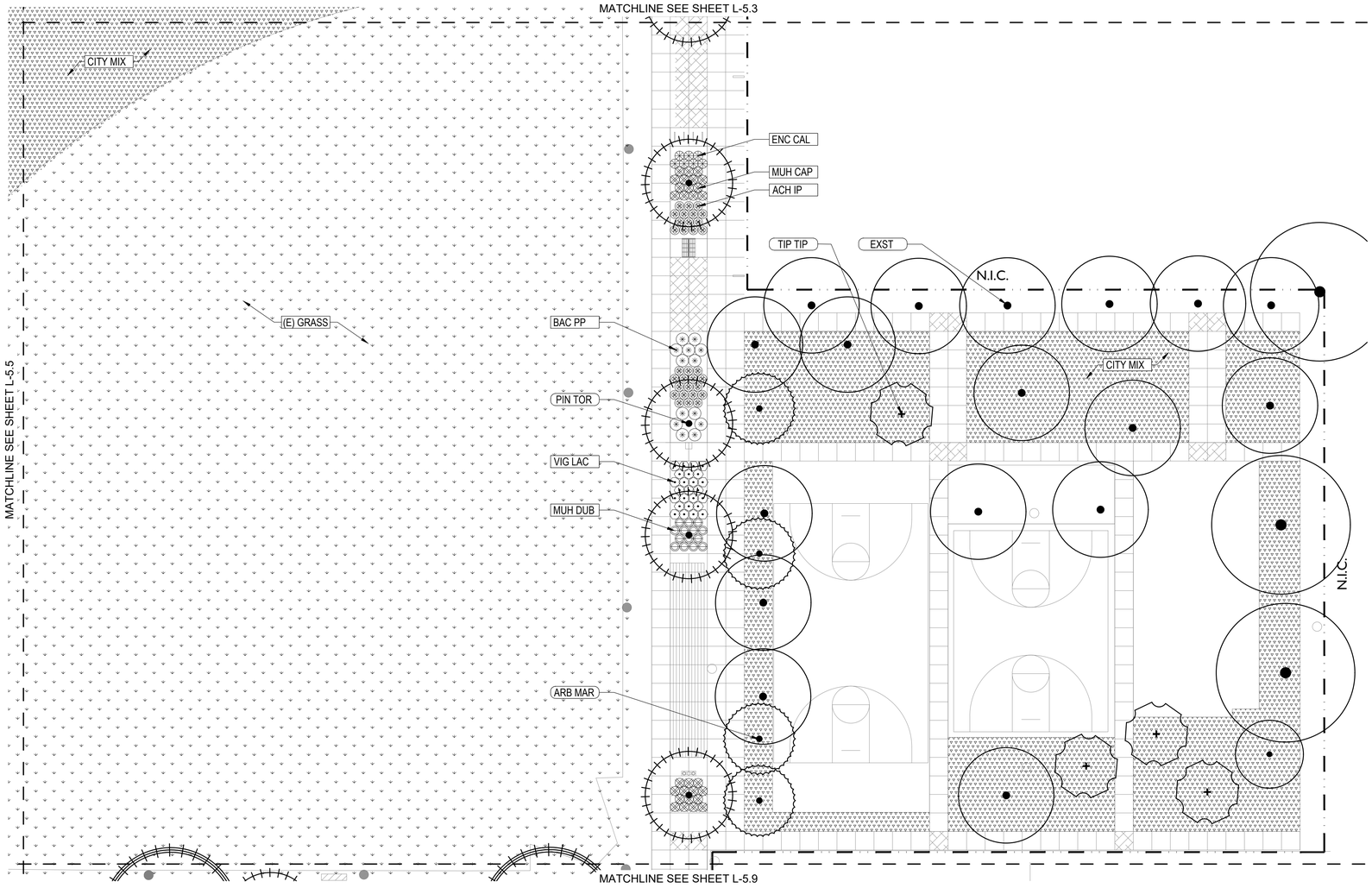


TREE LEGEND

MARK	SYMBOL	QTY	SPACING	SCIENTIFIC NAME
EXST		N/A	N/A	EXISTING TREE
ARB MAR		4	VARIES	ARBUTUS 'MARINA'
PIN TOR		4	VARIES	PINUS TORREYANA
TIP TIP		4	VARIES	TIPUANA TIPU

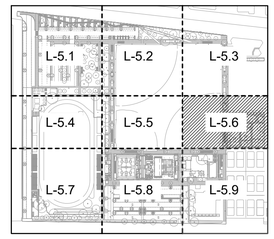
SHRUB/GC/VINE LEGEND

SHRUB

MARK	SYMBOL	QTY	SPACING	SCIENTIFIC NAME
ACH IP		31	36" O.C.	ACHILLEA 'ISLAND PINK'
BAC PP		13	48" O.C.	BACCHARIS PIL. 'PIGEON POINT'
ENC CAL		7	36" O.C.	ENCELIA CALIFORNICA
MUH CAP		28	36" O.C.	MUHLENBERGIA CAPILLARIS
MUH DUB		14	36" O.C.	MUHLENBERGIA DUBIA
VIG LAC		25	36" O.C.	VIGUIERA LACANATA

GROUND COVER

MARK	SYMBOL	QTY	SPACING	SCIENTIFIC NAME
CITY MIX		13844 SF	SEED	CITY OF LA SPORTS FIELD MIX



GRAPHIC SCALE

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1" = 20'-0"

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CITY OF LOS ANGELES

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BUILDING NO. XX/XX

INDEX NO. - RP 300094

LICENSED LANDSCAPE ARCHITECT
ZACK D FREEDMAN CAMP
Signature
05/31/18
Renewal Date
12/09/16
Date
STATE OF CALIFORNIA

CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS

CITY ENGINEER
GARY LEE MOORE, PE, ENV SP
ARCHITECTURAL DIVISION
LIC. NO. LA-5582 DATE:

ARCHITECT: ZACK FREEDMAN, PLA
DESIGNED BY: HOOD DESIGN
DRAWN BY:
CHECKED BY:
APPROVED BY: MAHMOOD KARIMZADEH, A.I.A., PRINCIPAL ARCHITECT

VERTICAL CONTROL:
HORIZONTAL CONTROL:

SHEET TITLE: PLANTING PLAN

PROJECT: RANCHO CIENEGA SPORTS COMPLEX

ADDRESS: 5001 RODEO ROAD
LOS ANGELES, CA 90016

WORK ORDER NO. E1907694
PLAN FILE NO.
DRAWING NO. L-5.6
SHEET OF SHEETS

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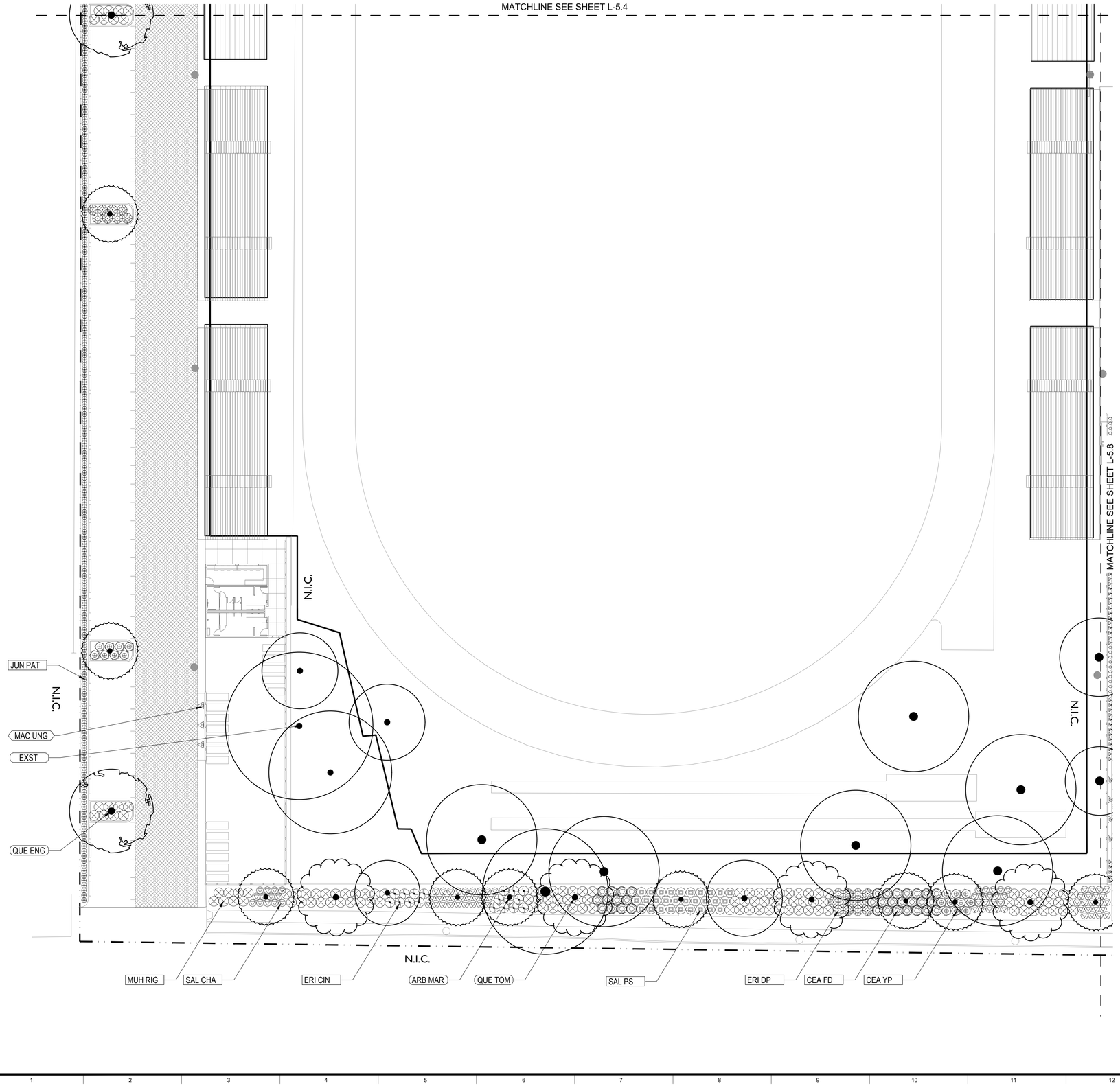

TREE LEGEND

MARK	SYMBOL	QTY	SPACING	SCIENTIFIC NAME
EXST		N/A	N/A	EXISTING TREE
ARB MAR		9	VARIES	ARBUTUS 'MARINA'
QUE ENG		1	VARIES	QUERCUS ENGELMANNII
QUE TOM		4	VARIES	QUERCUS TOMENTELLA

SHRUB/GC/VINE LEGEND

SHRUB

MARK	SYMBOL	QTY	SPACING	SCIENTIFIC NAME
CEA FD		33	48" O.C.	CEANOTHUS 'FROSTY DAWN'
CEA YP		18	48" O.C.	CEANOTHUS 'YANKEE POINT'
ERI CIN		18	48" O.C.	ERIOGONUM CINEREUM
ERI DP		20	48" O.C.	ERIOGONUM FAS. 'DANA POINT'
JUN PAT		181	24" O.C.	JUNCUS PATENS
MUH RIG		114	48" O.C.	MUHLENBERGIA RIGENS
SAL CHA		75	36" O.C.	SALVIA CHAEMAEDRYOIDES
SAL PS		29	48" O.C.	SALVIA LEUCOPHYLLA 'POINT SAL'

MARK	SYMBOL	QTY	SPACING	SCIENTIFIC NAME
MAC UNG		3	96" O.C.	MACFADYENA UNGUIS-CATI

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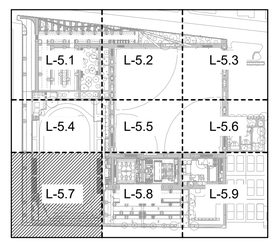

GRAPHIC SCALE
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1" = 20'-0"

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ENGINEERING
CITY OF LOS ANGELES

DATE: BY:
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BUILDING NO. XX/XX

INDEX NO. -
RP 300094

LICENSED LANDSCAPE ARCHITECT
ZACHARY FREEDMAN CAMPBELL
Signature
05/31/18
Renewal Date
12/09/16
Date
STATE OF CALIFORNIA

CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS

VERTICAL CONTROL:
HORIZONTAL CONTROL:

SHEET TITLE: PLANTING PLAN

PROJECT: RANCHO CIENEGA SPORTS COMPLEX

ADDRESS: 5001 RODEO ROAD
LOS ANGELES, CA 90016

GARY LEE MOORE, PE, ENV SP CITY ENGINEER
ARCHITECTURAL DIVISION
DATE:
ARCHITECT: ZACK FREEDMAN, PLA LIC. NO. LA-6582
DESIGNED BY: HOOD DESIGN
DRAWN BY:
CHECKED BY:
APPROVED BY: MAHMOOD KARIMZADEH, A.I.A., PRINCIPAL ARCHITECT

WORK ORDER NO.
E1907694
PLAN FILE NO.
DRAWING NO.
L-5.7
SHEET OF SHEETS

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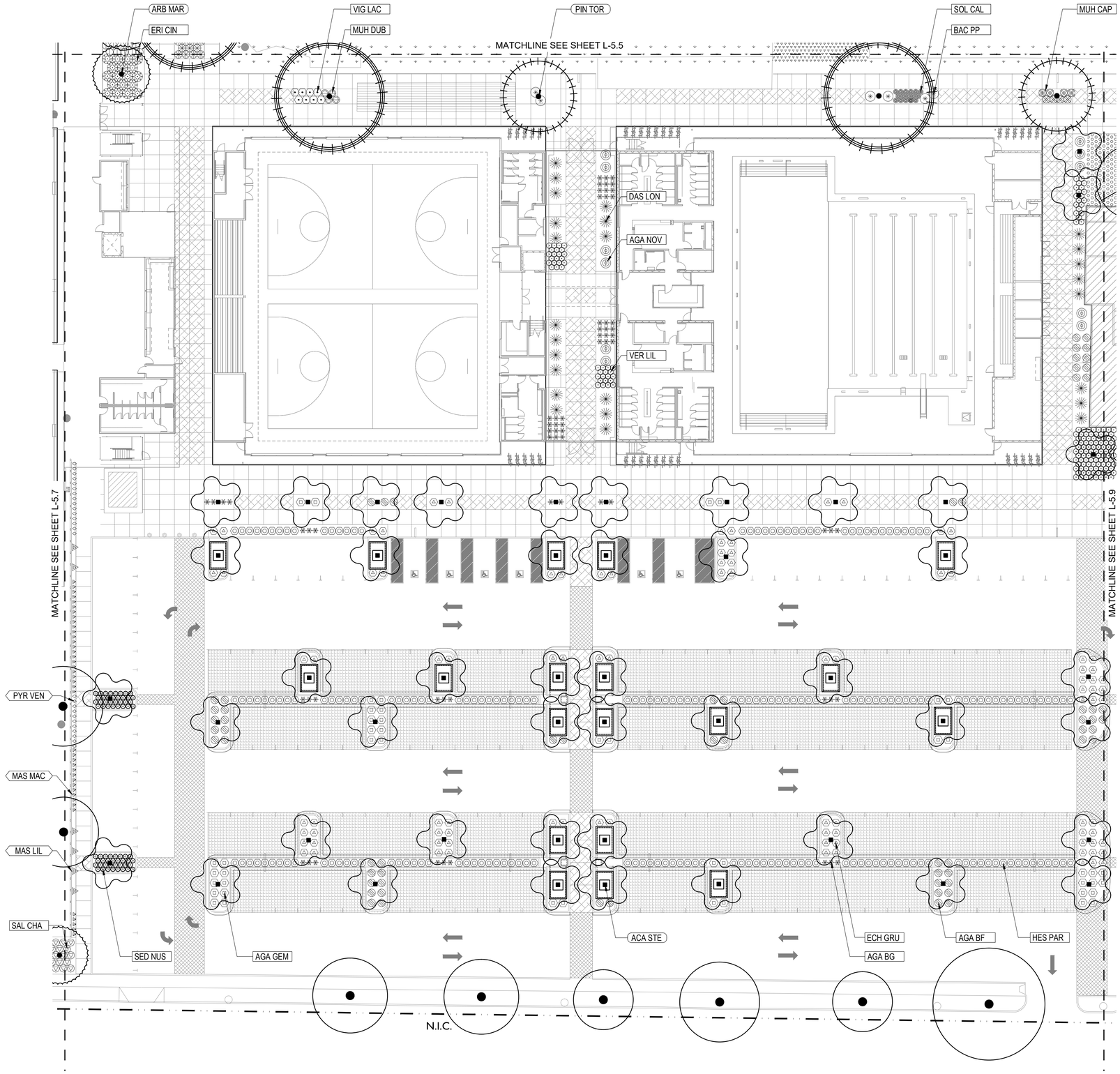


TREE LEGEND

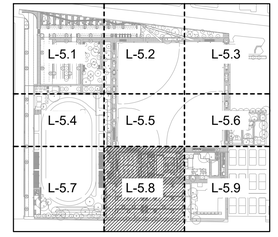
MARK	SYMBOL	QTY	SPACING	SCIENTIFIC NAME
EXST		N/A	N/A	EXISTING
ACA STE		46	As Shown	ACACIA STENOPHYLLA
ARB MAR		1	As Shown	ARBUTUS 'MARINA'
PIN TOR		4	As Shown	PINUS TORREYANA

SHRUB/GC/VINE LEGEND

MARK	SYMBOL	QTY	SPACING	SCIENTIFIC NAME
AGA BG		68	30" O.C.	AGAVE 'BLUE GLOW'
AGA BF		63	48" O.C.	AGAVE 'BLUE FLAME'
AGA GEM		46	48" O.C.	AGAVE GEMINIFLORA
AGA NOV		11	60" O.C.	AGAVE ATTENUATA 'NOVA'
BAC PP		7	24" O.C.	BACCHARIS PILULARIS 'PIGEON POINT'
DAS LON		25	60" O.C.	DASYLIRION LONGISSIMUM
ECH GRU		94	48" O.C.	ECHINOCACTUS GRUSONII
ERI DP		18	48" O.C.	ERIOGONUM FAS. 'DANA POINT'
HES PAR		208	36" O.C.	HESPERALOE PARVIFLORA
MUH CAP		8	36" O.C.	MUHLENBERGIA CAPILLARIS
MUH DUB		4	36" O.C.	MUHLENBERGIA DUBIA
SAL CHA		5	36" O.C.	SALVIA CHAEMAEDRYOIDES
SED NUS		64	36" O.C.	SEDUM NUSSBAUMERIANUM
SOL CAL		17	36" O.C.	SOLIDAGO CALIFORNICA
VER LIL		143	24" O.C.	VERBENA LILACINA 'DE LA MINA'
VIG LAC		8	36" O.C.	VIGUIERA LACANATA

VINE LEGEND

MARK	SYMBOL	QTY.	SPACING	LATIN NAME/COMMON NAME
MAS LIL		6	96" O.C.	MASCAGNIA LILACINA
MAS MAC		41	96" O.C.	MASCAGNIA MACROPTERA
PYR VEN		26	24" O.C.	PYROSTEGIA VENUSTA



GRAPHIC SCALE

20 10 0 10 20 40

1" = 20'-0"

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CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS

BUREAU OF ENGINEERING

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CITY OF LOS ANGELES

DATE: BY:

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INDEX NO. - RP 300094

LICENSED LANDSCAPE ARCHITECT
ZACH FREEDMAN
Signature
05/31/18
Renewal Date
12/09/16
Date
STATE OF CALIFORNIA

GARY LEE MOORE, PE, ENV SP CITY ENGINEER
DATE:

ARCHITECTURAL DIVISION
ARCHITECT: ZACK FREEDMAN, PLA LIC. NO. LA-6582
DESIGNED BY: HOOD DESIGN
DRAWN BY:
CHECKED BY:
APPROVED BY: MAHMOOD KARIMZADEH, A.I.A., PRINCIPAL ARCHITECT

VERTICAL CONTROL:
HORIZONTAL CONTROL:

SHEET TITLE: PLANTING PLAN

PROJECT: RANCHO CIENEGA SPORTS COMPLEX

ADDRESS: 5001 RODEO ROAD
LOS ANGELES, CA 90016

WORK ORDER NO. E1907694
PLAN FILE NO.
DRAWING NO. L-5.8
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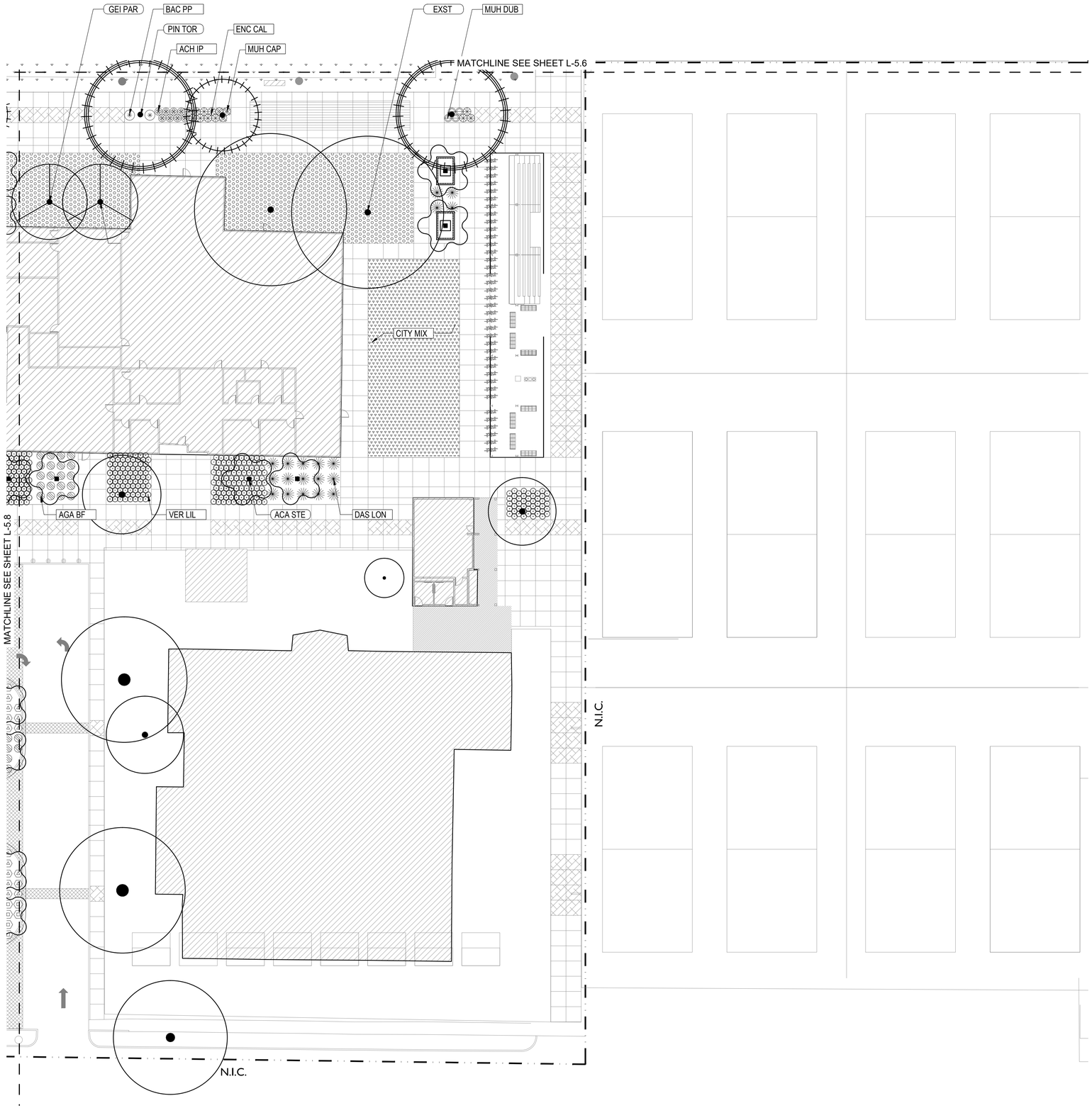


TREE LEGEND

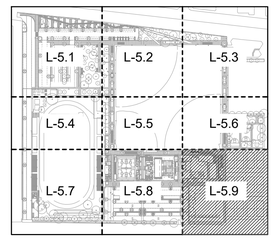
MARK	SYMBOL	QTY.	SPACING	LATIN NAME/COMMON NAME
EXST		N/A	N/A	EXISTING
ACA STE		5	VARIES	ACACIA STENOPHYLLA
GEI PAR		2	VARIES	GEIJERA PARVIFLORA
PIN TOR		3	VARIES	PINUS TORREYANA

SHRUB/GC/VINE LEGEND

MARK	SYMBOL	QTY.	SPACING	LATIN NAME/COMMON NAME
ACH IP		8	36" O.C.	ACHILLEA 'ISLAND PINK'
AGA BF		20	48" O.C.	AGAVE 'BLUE FLAME'
BAC PP		3	24" O.C.	BACCHARIS PILULARIS 'PIGEON POINT'
DAS LON		19	60" O.C.	DASYLIRION LONGISSIMUM
ENC CAL		11	36" O.C.	ENCELIA CALIFORNICA
MUH CAP		3	36" O.C.	MUHLENBERGIA CAPILLARIS
MUH DUB		4	36" O.C.	MUHLENBERGIA DUBIA
VER LIL		289	24" O.C.	VERBENA LILACINA 'DE LA MINA'

GROUNDCOVER LEGEND

MARK	SYMBOL	QTY.	SPACING	LATIN NAME/COMMON NAME
CAR FLA		3982 SF	12" O.C.	CAREX FLACCA
CITY MIX		2805 SF	SEED	CITY OF LA SPORTS FIELD MIX



GRAPHIC SCALE
20 10 0 10 20 40
1" = 20'-0"

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OFFICIAL RECORD

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CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS
BUREAU OF ENGINEERING

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CITY OF LOS ANGELES

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ZACK D FREEDMAN CAMC
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05/31/18
Renewal Date
12/09/16
Date
STATE OF CALIFORNIA

GARY LEE MOORE, PE, ENV SP CITY ENGINEER
ARCHITECTURAL DIVISION
ARCHITECT: ZACK FREEDMAN, PLA LIC. NO. LA-6582
DESIGNED BY: HOOD DESIGN
DRAWN BY:
CHECKED BY:
APPROVED BY: MAHMOOD KARIMZADEH, A.I.A., PRINCIPAL ARCHITECT
DATE:

VERTICAL CONTROL:
HORIZONTAL CONTROL:
SHEET TITLE: PLANTING PLAN
PROJECT: RANCHO CIENEGA SPORTS COMPLEX
ADDRESS: 5001 RODEO ROAD LOS ANGELES, CA 90016

WORK ORDER NO. E1907694
PLAN FILE NO.
DRAWING NO. L-5.9
SHEET OF SHEETS

PLOTTED: 12/12/2016 4:45 PM

REVISION DATES (DESIGN STAGE ONLY)
12/12/2016 4:45:22 PM

THE CITY OF LOS ANGELES OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF ELECTRONIC COPIES OF THIS PLAN SHEET.

IRRIGATION MATERIAL LEGEND

SYMBOL Q	T	H	F	MANUFACTURER	MODEL NO. / DESCRIPTION	FLOW RATE (GPM)	PSI	RADIUS	P.R. (TRI.)	DETAIL
▲	▶	▼	▼	RAIN BIRD / HUNTER	RD-06-S-P45-F 6" POP-UP TURF HEAD WITH A MP800SR-90/360 SHORT RADIUS ADJUSTABLE NOZZLE NOTE: CANNOT BE ZONED WITH STANDARD MP ROTATOR NOZZLES DUE TO PR RATE.	.23, .33, .42, .78	40	10 FT	0.81 IN./HR.	A
▲	▶	▼	▼	RAIN BIRD / HUNTER	RD-06-S-P45-F 6" POP-UP TURF HEAD WITH A HUNTER MP1000-90(Q/T/H)/360 ADJUSTABLE NOZZLE	.19, .28, .37, .75	40	14 FT	0.45 IN./HR.	A
▲	▶	▼	▼	RAIN BIRD / HUNTER	RD-06-S-P45-F 6" POP-UP TURF HEAD WITH A HUNTER MP2000-90(Q/T/H)/360 ADJUSTABLE NOZZLE	.40, .57, .74, 1.47	40	20 FT	0.45 IN./HR.	A
▲	▶	▼	▼	RAIN BIRD / HUNTER	RD-06-S-P45-F 6" POP-UP TURF HEAD WITH A HUNTER MP3000-90(Q/T/H)/360 ADJUSTABLE NOZZLE	.86, 1.34, 1.82, 3.64	40	30 FT	0.45 IN./HR.	A
		▼	▼	RAIN BIRD / HUNTER	RD-06-S-P45-F 6" POP-UP TURF HEAD W/ITH A HUNTER MP-LCS/RCS/SS530 NOZZLE	.22, .44	40	4X15 FT 4X30 FT	0.47 IN./HR.	A
■	■	■	■	RAIN BIRD	5006-PL-(PC)-SAM-R 6" POP-UP TURF ROTOR WITH MPR-25 NOZZLES (RED)	1.00, 1.38, 1.98, 3.82	45	25 FT	0.70 IN./HR.	B
■	■	■	■	RAIN BIRD	5006-PL-(PC)-SAM-R 6" POP-UP TURF ROTOR WITH MPR-30 NOZZLES (GREEN)	1.40, 1.85, 2.96, 5.78	45	30 FT	0.70 IN./HR.	B
■	■	■	■	RAIN BIRD	5006-PL-(PC)-SAM-R 6" POP-UP TURF ROTOR WITH MPR-35 NOZZLES (BEIGE)	1.92, 2.46, 3.81, 7.58	45	35 FT	0.70 IN./HR.	B
NO SYMBOL				RAIN BIRD	5000-MPR-25/30/35 NOZZLES ARE NOT SUPPLIED AS STANDARD NOZZLES WITH THE RAIN BIRD 5000 SERIES HEADS. THE CONTRACTOR MUST PURCHASE THESE NOZZLES SEPARATELY AS AN ADDITIONAL COMPONENT FOR THE ROTOR HEADS. ONLY THE COLOR CODED 5000-MPR SERIES NOZZLES SHALL BE ACCEPTABLE IN THE ROTOR HEADS.					B
⑭				RAIN BIRD	8005-SS 5" POP-UP LARGE RADIUS TURF ROTOR WITH A STAINLESS STEEL RISER AND A #14 NOZZLE FOR ALL RADIUS AND ARC PATTERNS	12.6	50	59 FT	1.72 IN./HR. (Q) 0.86 IN./HR. (H) 0.43 IN./HR. (F)	B
				RAIN BIRD	RD-06-S-P30-F 6" POP-UP BUBBLER HEAD WITH A RAIN BIRD 5H-B STREAM BUBBLER NOZZLE WITH A RAIN BIRD PCS-060 "PRESSURE COMPENSATING SCREEN"	.60	30	3 FT	1.50 IN./HR.	A
				RAIN BIRD	RD-06-S-P30-F 6" POP-UP BUBBLER HEAD WITH A RAIN BIRD 5F-B STREAM BUBBLER NOZZLE WITH A RAIN BIRD PCS-090 "PRESSURE COMPENSATING SCREEN"	.90	30	3 FT	1.50 IN./HR.	A
				RAIN BIRD	RD-06-S-P30-F 6" POP-UP BUBBLER HEAD WITH A RAIN BIRD 5H-B STREAM BUBBLER	1.00	30	5 FT	1.50 IN./HR.	A
				RAIN BIRD	RD-06-S-P30-F 6" POP-UP BUBBLER HEAD WITH A RAIN BIRD 5F-B STREAM BUBBLER	1.50	30	5 FT	1.50 IN./HR.	A
				RAIN BIRD	RD-06-S-P30-F 6" POP-UP BUBBLER HEAD WITH A RAIN BIRD 5CST-B STREAM BUBBLER NOZZLE WITH A RAIN BIRD PCS-090 "PRESSURE COMPENSATING SCREEN"	.90	30	3 FT	1.50 IN./HR.	A
				RAIN BIRD	RD-06-S-P30-F 6" POP-UP BUBBLER HEAD WITH A RAIN BIRD PA-80 ADAPTER AND A 1401 BUBBLER. INSTALL FOR GREEN SCREE VINE PLANTING, ONE PER PLANT	.25	30	N/A	1.50 IN./HR.	A
				RAIN BIRD	RWS-B-C-1402 ROOT WATERING SYSTEM ASSEMBLY COMPLETE WITH BUBBLER, SLEEVE, CHECK VALVE AND SWING JOINT. INSTALL ASSEMBLY WITH A RWS-SOCK FILTER SOCK TO PREVENT SOIL INTRUSION INTO THE RWS SLEEVE. EACH SYMBOL REPRESENTS A TOTAL OF TWO (2) RWS ASSEMBLIES PER TREE. INSTALL RWS SYSTEM SO THAT THE SLEEVE IS IN CONTACT WITH THE ROOT BALL OF THE TREE.	.50 (1.0 TOTAL)	30	N/A	3.00 IN./HR.	C,D

IRRIGATION NOTES

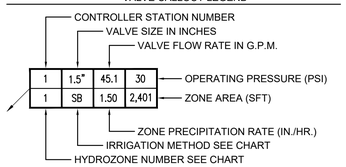
1. ALL LOCAL MUNICIPAL AND STATE LAWS, RULES AND REGULATIONS GOVERNING OR RELATING TO ANY PORTION OF THIS WORK ARE HEREBY INCORPORATED INTO AND MADE A PART OF THESE SPECIFICATIONS AND THEIR PROVISIONS SHALL BE CARRIED OUT BY THE CONTRACTOR.
2. THE CONTRACTOR SHALL VERIFY THE LOCATIONS OF ALL EXISTING UTILITIES, STRUCTURES AND SERVICES BEFORE COMMENCING WORK. THE LOCATIONS OF UTILITIES, STRUCTURES AND SERVICES SHOWN IN THESE PLANS ARE APPROXIMATE ONLY. ANY DISCREPANCIES BETWEEN THESE PLANS AND ACTUAL FIELD CONDITIONS SHALL BE REPORTED TO THE OWNER'S REPRESENTATIVE.
3. THE CONTRACTOR SHALL OBTAIN THE PERTINENT ENGINEERING OR ARCHITECTURAL PLANS BEFORE BEGINNING WORK.
4. THE CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS REQUIRED TO PERFORM THE WORK INDICATED HEREIN BEFORE BEGINNING WORK.
5. THIS DESIGN IS DIAGRAMMATIC. ALL EQUIPMENT SHOWN IN PAVED AREAS IS FOR DESIGN CLARITY ONLY AND IS TO BE INSTALLED WITHIN PLANTING AREAS.
6. THE CONTRACTOR SHALL NOT WILLFULLY INSTALL ANY EQUIPMENT AS SHOWN ON THE PLANS WHEN IT IS OBVIOUS IN THE FIELD THAT UNKNOWN CONDITIONS EXIST THAT WERE NOT EVIDENT AT THE TIME THESE PLANS WERE PREPARED. ANY SUCH CONDITIONS SHALL BE BROUGHT TO THE ATTENTION OF THE OWNER'S REPRESENTATIVE PRIOR TO ANY WORK OR THE IRRIGATION CONTRACTOR SHALL ASSUME ALL RESPONSIBILITY FOR ANY FIELD CHANGES DEEMED NECESSARY BY THE OWNER.
7. INSTALL ALL EQUIPMENT AS SHOWN IN THE DETAILS AND SPECIFICATIONS. CONTRACTOR SHALL BE RESPONSIBLE TO COMPLY WITH LOCAL CITY, COUNTY AND STATE REQUIREMENTS FOR BOTH EQUIPMENT AND INSTALLATION.
8. ACTUAL LOCATION FOR THE INSTALLATION OF THE BACKFLOW PREVENTER AND THE AUTOMATIC CONTROLLER IS TO BE DETERMINED IN THE FIELD BY THE OWNER'S AUTHORIZED REPRESENTATIVE.
9. CONTRACTOR IS TO PROVIDE AN ADDITIONAL PILOT WIRE FROM CONTROLLER ALONG ENTIRETY OF MAIN LINE TO THE LAST RCV ON EACH AND EVERY LEG OF MAIN LINE. LABEL SPARE WIRES AT BOTH ENDS.
10. ALL PIPE UNDER PAVED AREAS TO BE INSTALLED IN SLEEVING TWICE THE DIAMETER OF THE PIPE CARRIED. SEE LEGEND FOR TYPE. ALL WIRE UNDER PAVED AREAS TO BE INSTALLED IN A SCH. 40 SLEEVE THE SIZE REQUIRED TO EASILY PULL WIRE THROUGH. ALL SLEEVES TO BE INSTALLED WITH A MINIMUM DEPTH AS SHOWN ON THE SLEEVING DETAILS. SLEEVES TO EXTEND AT LEAST 12" PAST THE EDGE OF THE PAVING.
11. ALL QUICK COUPLER AND REMOTE CONTROL VALVES TO BE INSTALLED IN SHRUB OR GROUND COVER AREAS WHERE POSSIBLE. ALL QUICK COUPLER AND REMOTE CONTROL VALVES TO BE INSTALLED AS SHOWN ON THE INSTALLATION DETAILS. INSTALL ALL QUICK COUPLER AND REMOTE CONTROL VALVES WITHIN 18" OF HARDSCAPE.
12. ALL HEADS ARE TO BE INSTALLED WITH THE NOZZLE, SCREEN AND ARCS SHOWN ON THE PLANS. ALL HEADS ARE TO BE ADJUSTED TO PREVENT OVERSPRAY ONTO BUILDINGS, WALLS, FENCES AND HARDSCAPE. THIS INCLUDES, BUT NOT LIMITED TO, ADJUSTMENT OF DIFFUSER PIN OR ADJUSTMENT SCREW, REPLACEMENT OF PRESSURE COMPENSATING SCREENS, REPLACEMENT OF NOZZLES WITH MORE APPROPRIATE RADIUS UNITS AND THE REPLACEMENT OF NOZZLES WITH ADJUSTABLE ARC UNITS.
13. CONTRACTOR SHALL INSTALL ADDITIONAL CHECK VALVES TO HEADS AND LATERALS AS REQUIRED TO PREVENT LOW HEAD DRAINAGE.
14. THE CONTRACTOR SHALL USE PROPER GROUNDING TECHNIQUES FOR GROUNDING THE CONTROLLER AND RELATED EQUIPMENT PER MANUFACTURERS SPECIFICATIONS. SWEENEY AND ASSOCIATES RECOMMENDS MEASURING FOR PROPER GROUND AT LEAST ONCE ANNUALLY, AND NECESSARY ADJUSTMENTS MADE TO COMPLY WITH MANUFACTURER SPECIFICATIONS.

IRRIGATION MATERIAL LEGEND

SYMBOL Q	T	H	F	MANUFACTURER	MODEL NO. / DESCRIPTION	FLOW RATE (GPM)	PSI	RADIUS	P.R. (TRI.)	DETAIL
				EXISTING	3" R/P BACK FLOW PREVENTION ASSEMBLY TO BE PROTECTED IN PLACE AND REUSED FOR THE EXISTING BALL FIELD IRRIGATION SYSTEM AND ALL NEW IRRIGATION SYSTEM AS SHOWN ON THESE PLANS. THE CONTRACTOR SHALL HAVE THE BACK FLOW DEVICE TESTED BY A STATE CERTIFIED BACK FLOW TECHNICIAN. IF ANY REPAIRS ARE REQUIRED TO THE BACK FLOW DEVICE TO PASS THE INSPECTION, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE OWNER WHO WILL PAY FOR THE REPAIRS OF THE BACK FLOW DEVICE.					N/A
				RAIN BIRD	200-EFB-CP 2" NORMALLY CLOSED, BRASS MASTER CONTROL VALVE. WIRE MCV TO THE TWO-WIRE PATH USING A RAINMASTER TW-D-1 SINGLE STATION VALVE DECODER. INSTALL THE MASTER CONTROL VALVE INSIDE A STANDARD RECTANGULAR VALVE BOX.					E
				RAINMASTER	FS-20 2" PVC BODIED, IMPELLER TYPE FLOW SENSOR, WIRE EACH FLOW SENSOR TO THE RESPECTIVE CONTROLLER USING A EV-CAB-SEN SENSOR CABLE IN A SINGLE 1 1/4" PVC ELECTRICAL CONDUIT FOLLOWING THE MAINLINE ROUTING.					F
				LEEMCO	LMV-XX-SB OR BB SELF RESTRAINING, RESILIENT WEDGE GATE VALVE, SIZE PER MAINLINE. USE "SB" SPIGOT XBELL FOR GATE VALVES ADJACENT TO LEEMCO DUCTILE IRON FITTINGS AT DIRECTIONAL CHANGES IN THE MAINLINE. USE "BB" BELL X BELL FOR GATE VALVES NOT ADJACENT TO LEEMCO DUCTILE IRON FITTINGS. INSTALL INSIDE A 10" ROUND VALVE BOX.					G
				LEEMCO	V20101N-SC 2" SLO-CLOSE SCH. 80 PVC TRUE-UNION BALL VALVE WITH SOLVENT WELD SOCKET CONNECTIONS, AS A MANIFOLD ISOLATION VALVE TO BE INSTALLED UP STREAM OF THE REMOTE CONTROL VALVE MANIFOLDS. ALL VALVE GROUPS ARE INTENDED TO BE INSTALLED IN MANIFOLDS OFF OF THE MAINLINE, SEE DETAILS. FOR ISOLATED, SINGLE QUICK COUPLER VALVES, INSTALL A V17101N-SC 1 1/2" SLO-CLOSE VALVE TO ISOLATE THE QUICK COUPLER VALVE FROM THE MAINLINE, SEE DETAILS. INSTALL INSIDE A 10" ROUND VALVE BOX.					H,I
				RAIN BIRD	44LRC 1" QUICK COUPLER VALVE WITH LOCKING VINYL COVER AND A LASCO G13S-218 SWING JOINT. INSTALL INSIDE A STANDARD RECTANGULAR VALVE BOX					J,I
				RAIN BIRD	XXX-EFB-CP-PRS-D PRESSURE REGULATING, BRASS REMOTE CONTROL VALVE (RCV), SIZE AS SHOWN (1", 1 1/2" AND 2" SIZES), SET THE PRS-D PRESSURE REGULATOR TO PROVIDE THE OPERATING PRESSURE OF THE SPRINKLER / BUBBLER HEAD TO THE HIGHEST OR FARTHEST HEAD ON THE CONTROL VALVE ZONE. INSTALL THE RCV INSIDE A STANDARD RECTANGULAR VALVE BOX.					K,I,N
				RAINMASTER	EGP-TW-S DECODER (TWO WIRE) CONTROLLER WITH TWO (2) SM75 75 STATION EXPANSION MODULES TO CREATE A 200 STATION CAPACITY CONTROLLER. INSTALLED WITHIN TOP ENTRY STAINLESS STEEL ENCLOSURE, SEE BELOW. INSTALL THE CONTROLLER WITH AN IQ-NCC-3G CELLULAR COMMINICATIONS CARTRIDGE FOR ACCESS TO IQ VERSION 3 CLOUD BASED CENTRAL CONTROL PROGRAM AND GLOBAL WEATHER AUTOMATIC WEATHER DOWNLOAD. PROVIDE ONE (1) DPU-210 DECODER PROGRAMMING UNIT FOR THE PROJECT FOR USE DURING INSTALLATION AND AS A TURNOVER ITEM UPON COMPLETION. THE CONTROLLER AS RECOMMENDED BY THE MANUFACTURER. INSTALL A RAIN BIRD LSP-1TURF LINE SURGE PROTECTION UNIT AT THE CONTROLLER AND ONE A MAXIMUM OF 500 FEET ON CENTER OR EVERY 8 DECODERS (WHICHEVER IS SMALLER) ALONG THE ENTIRE TWO-WIRE PATH. SURGE PROTECTION SHALL BE AS RECOMMENDED BY THE MANUFACTURER TO INSURE WARRANTY PROTECTION. THE CONTRACTOR SHALL REGISTER THE CONTROLLER WITH RAIN BIRD AND FULLY PROGRAM THE CONTROLLER FOR AUTOMATIC WEATHER BASED PROGRAM ADJUSTMENT.					L,M
NO SYMBOL				V.I.T.	SB-24SS FRONT ENTRY, STAINLESS STEEL CONTROLLER ENCLOSURE WITH A CSA SUB-ASSEMBLY (ON/OFF SWITCH AND GFI POWER OUTLET) INSTALLED ONTO A QP-24 QUICK PAD CONTROLLER MOUNTING PAD. NO CONCRETE CONTROLLER FOOTINGS SHALL BE ACCEPTABLE.					L
				RAINMASTER	RS500 WIRED RAIN SENSOR, MOUNT INSIDE A V.I.T. PRODUCTS MODEL RGVRSS STAINLESS STEEL RAIN SENSOR ENCLOSURE ON THE SIDE OF THE CONTROLLER ENCLOSURE. CONTRACTOR SHALL INSURE THAT SENSOR PLACEMENT ALLOWS FOR RAIN DETECTION AND CONTROLLER SHUT DOWN.					L
NO SYMBOL				PAIGE ELECTRIC	THE CONTROLLER SHALL BE GROUNDED USING A #182000 5/8" X 8 FOOT COPPER CLAD GROUND ROD, A #182005 CAST BRONZE ROD CLAMP AND THE REQUIRED LENGTH OF #6AWG BARE, SINGLE STRAND COPPER GROUND WIRE. INSTALL INSIDE A 10" ROUND VALVE BOX.					M
				N/A	120 VOLT ELECTRICAL POWER FOR CONTROLLER, PROVIDED BY ELECTRICIAN, VERIFY ACTUAL LOCATION IN FIELD					N/A
NO SYMBOL				RAINMASTER	EACH MASTER VALVE, REMOTE CONTROL VALVE AND DRIP REMOTE CONTROL VALVE SHALL BE INSTALLED WITH A TW-D-1 SINGLE STATION TWO-WIRE DECODER. MULTIPLE STATION DECODERS MAY BE USED ON GROUPS OF REMOTE AND DRIP REMOTE CONTROL VALVE AT THE DISCRETION OF THE CONTRACTOR. VALVES SHARING MULTIPLE STATION DECODERS SHALL NOT BE MORE THAN 25 FEET APART. INSTALL A TW-LA-1 LIGHTNING ARRESTOR DEVICE AT THE CONTROLLER LOCATION, AT THE POC LOCATION AND AT A MAXIMUM OF 500 FEET APART ALONG THE MAINLINE TWO-WIRE PATH. INSTALL THE LIGHTNING ARRESTOR AND GROUND ROD IN A STANDARD RECTANGULAR VALVE BOX.					N,O
				AS APPROVED	PVC PIPE 3/4" - 3" SCH. 40, SOLVENT WELD WITH SCH. 40 PVC FITTINGS, AS LATERAL LINES INSTALLED 12" BELOW FINISHED GRADE					P
				AS APPROVED	PVC PIPE 3" - 4" CL. 200, BELL AND GASKET WITH DUCTILE IRON PUSH-ON FITTINGS AND MECHANICAL JOINT RESTRAINTS, AS MAINLINES INSTALLED 24" BELOW FINISHED GRADE.					P
NO SYMBOL				AS APPROVED	PVC PIPE 2" CL. 315, SOLVENT WELD WITH SCH. 80 PVC FITTINGS, AS MAINLINE WITHIN MANIFOLD ASSEMBLIES ONLY.					P
				AS APPROVED	PVC PIPE SCH. 40 AS SLEEVING, 2.5 TIMES THE DIAMETER OF PIPE OR WIRE BUNDLE CARRIED (2" MINIMUM SIZE) INSTALL ALL PIPE AND WIRE UNDER PAVING, HARDSCAPE, ETC. (OR AS DIRECTED BY OWNER'S AUTHORIZED REPRESENTATIVE) INSIDE SLEEVES. SLEEVES UNDER PEDESTRIAN PAVING SHALL BE INSTALLED 24" BELOW FINISHED GRADE. SLEEVES UNDER VEHICULAR PAVING SHALL BE INSTALLED 36" BELOW FINISHED GRADE.					Q
NO SYMBOL				LASCO	ALL FITTINGS USED WITH SOLVENT WELD MAINLINE PIPE SHALL BE SCH. 80 PVC FITTINGS, GRAY IN COLOR, AND SIZED TO MATCH THE MAINLINE PIPE. ALL FITTINGS USED WITH SOLVENT WELD LATERAL LINE PIPE SHALL BE SCH. 40 PVC, WHITE IN COLOR, AND SIZED TO MATCH THE LATERAL LINE PIPE. ALL THREADED PVC NIPPLES SHALL BE SCH. 80 PVC PIPE, DARK GRAY IN COLOR, WITH MOLDED THREADS.					N/A
NO SYMBOL				AS APPROVED	ALL SOLVENT WELD CONNECTIONS FOR LATERAL LINES AND MANIFOLD MAINLINES SHALL BE MADE USING THE TWO-STEP PROCESS OF PRIMER AND SOLVENT CEMENT. PRIMER SHALL BE LOW VOC "PURPLE PRIMER". SOLVENT CEMENT SHALL BE LOW VOC, GRAY OR BLUE COLORED MEDIUM BODIED CEMENT. USE DAUBERS SIZED AT LEAST ONE-HALF THE SIZE OF THE LARGEST PIPE BEING JOINED. ALL SOLVENT CEMENTED JOINTS SHALL BE MADE PER THE PIPE AND FITTING MANUFACTURER'S RECOMMENDATIONS.					N/A
NO SYMBOL				LEEMCO	ALL FITTINGS USED WITH BELL AND GASKET MAINLINE PIPE SHALL BE LEEMCO "DEEP BELL" DUCTILE IRON FITTINGS INCLUDING SERVICE TEES FOR REMOTE CONTROL VALVES, QUICK COUPLERS AND REMOTE CONTROL VALVE MANIFOLDS. USE LEEMCO PIPE-TO-FITTING RESTRAINTS ON ALL SIDES OF THE DUCTILE IRON FITTINGS ON DIRECTIONAL CHANGES, INCLUDING SERVICE TEES. USE LEEMCO LPP SERIES PIPE-TO-PIPE RESTRAINTS ON ALL BELLED PIPE CONNECTIONS WITHIN 50 FEET, UPSTREAM OR DOWNSTREAM, OF A DIRECTIONAL CHANGE GREATER THAN 45°, THIS DOES NOT INCLUDE SERVICE TEES. USE LEEMCO LPP SERIES PIPE-TO-PIPE RESTRAINTS ON ALL BELLED CONNECTIONS WITHIN A SLEEVE AND ON ALL BELLED CONNECTIONS WITHIN 50 FEET OF THE ENTRY OR EXIT OF A SLEEVE. WHERE LEEMCO RESILIENT WEDGE GATE VALVES ARE SPECIFIED HEREIN, CONNECT GATE VALVE TO THE ADJACENT FITTING USING THE CORRESPONDING LUGS ON THE VALVE AND FITTING AND PROVIDED RESTRAINTS.					R
NO SYMBOL				RAINMASTER	TW-CAB-14 DIRECT BURIAL IRRIGATION CONTROL CABLE (TWO-WIRE PATH) WITH TWO, PARALLEL, PVC INSULATED (RED / BLACK), SOLID COPPER CONDUCTOR IRRIGATION CONTROL WIRES, #14UF SIZE, WITH A IMPREGNATED POLYETHYLENE, BLUE COLOR CODED JACKET. THE CONTRACTOR SHALL ROUTE THE TWO-WIRE PATH FROM THE CONTROLLER ALONG THE MAINLINE TO ALL MASTER VALVES AND CONTROL VALVES SERVED BY THE CONTROLLER. LOOP THE CONTROL CABLE UP AND INTO EACH VALVE BOX ALONG THE MAINLINE, PROVIDING A 3 FOOT MINIMUM LOOP IN EACH VALVE BOX. THE TWO-WIRE PATH SHALL BE INSTALLED INSIDE A CONDUIT, SEE BELOW.					P,Q,S,T
NO SYMBOL				AS APPROVED	1" SCH. 40 PVC, GRAY ELECTRICAL CONDUIT FOR THE TWO-WIRE PATH, PROVIDE SWEEPS UP INTO AND DOWN OUT OF EVERY VALVE BOX ALONG THE ROUTE OF THE MAINLINE / TWO-WIRE PATH. WHEN LONG STRETCHES OF WIRE PATH OCCUR WITHOUT CONTROL VALVES, INSTALL PULL BOXES AT A MAXIMUM OF 200 FEET ON CENTER FOR A 3 FOOT WIRE LOOP OR ANY SPLICES. INSTALL INSIDE A STANDARD RECTANGULAR VALVE BOX.					P,Q,S
NO SYMBOL				RAINMASTER	TW-SPLICE-14 WATER-PROOF WIRE CONNECTORS FOR USE ON ALL WIRE SPLICES AND CONNECTIONS					T
NO SYMBOL				RAIN BIRD	ALL VALVE BOXES SHALL BE VB SERIES, PLASTIC TYPE WITH OVERLAPPING LIDS. VALVE BOX BODIES SHALL BE BLACK IN COLOR. LIDS FOR BOXES IN TURF AREAS SHALL BE GREEN. LIDS FOR VALVE BOXES IN SHRUB AREAS SHALL BE BLACK. ALL BOXES SHALL BE SECURED WITH A RAIN BIRD STAINLESS STEEL BOLT DOWN LID KIT. BOXES SHALL BE AS SHOWN BELOW:					U

DESCRIPTION	TURF AREAS (GREEN LIDS)	SHRUB AREAS (BLACK LIDS)
10" ROUND BOXES	VB-10RND	VB-10RNDBK (RB ITEM ID #61461)
STANDARD RECTANGULAR BOXES	VB-STD	VB-STDBK (RB ITEM ID #61411)

VALVE CALLOUT LEGEND



IRRIGATION METHOD DESCRIPTION CHART		
LETTERS	DESCRIPTION OF THE IRRIGATION METHOD	I.E.
MP	OVERHEAD SPRAY - MP ROTATOR HEADS	0.75
TR	OVERHEAD SPRAY - MEDIUM ROTOR HEADS	0.75
TR-Q	OVERHEAD SPRAY - LARGE ROTOR HEADS	0.75
TR-H	OVERHEAD SPRAY - LARGE ROTOR HEADS	0.75
TR-F	OVERHEAD SPRAY - LARGE ROTOR HEADS	0.75
SB	STREAM BUBBLERS	0.81
TB	TREE BUBBLERS	0.81

HYDROZONE DESCRIPTION CHART			
NUMBER	DESCRIPTION OF THE HYDROZONE	WUCOLS	ETAF
HZ 1	LOW WATER USE PLANTINGS	L	0.20
HZ 2	RECREATIONAL TURF	SLA	1.00
HZ 3	LOW WATER USE TREES	L	0.30
HZ 4	MODERATE WATER USE TREES	M	0.50

BUREAU OF ENGINEERING
OFFICIAL RECORD

I HAVE COMPLIED WITH THE CRITERIA OF THE IRRIGATION GUIDELINES AND APPLIED THEM ACCORDINGLY FOR THE EFFICIENT USE OF WATER IN THE IRRIGATION DESIGN PLAN

sweeney + associates
IRRIGATION DESIGN AND CONSULTING
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Murrieta, Ca 92563
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REVISION DATES: (DESIGN STAGE ONLY)

BID SUBMITTAL - NOT FOR CONSTRUCTION

CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS
BUREAU OF ENGINEERING
CITY OF LOS ANGELES

BUILDING NO. XX/XX
INDEX NO. -
RP 300094

LICENSED LANDSCAPE ARCHITECT
ZACK FREEDMAN
No. 5582
05/31/18
Renewal Date
12/09/16
Date
STATE OF CALIFORNIA

NO.	REVISIONS:	DATE:	BY:

GARY LEE MOORE PE ENV SP CITY ENGINEER
ARCHITECTURAL DIVISION LIC. NO. LA-5582
ARCHITECT: ZACK FREEDMAN, PLA
DESIGNED BY: HOOD DESIGN
DRAWN BY:
CHECKED BY:
APPROVED BY: MAHMOOD KARIMZADEH, A.I.A., PRINCIPAL ARCHITECT

VERTICAL CONTROL:
HORIZONTAL CONTROL:

SHEET TITLE: IRRIGATION LEGEND
PROJECT: RANCHO CIENEGA SPORTS COMPLEX
ADDRESS: 5001 RODEO ROAD LOS ANGELES, CA 90016

WORK ORDER NO. E1907694
PLAN FILE NO.
DRAWING NO. LI-6.0
SHEET OF SHEETS

PLOTTED: 12/9/2016 10:06 AM

NOTE A:
THESE PLANS ARE DIAGRAMMATIC, THE MAINLINE AND RELATED IRRIGATION EQUIPMENT IS SHOWN WITHIN THE PAVING FOR CLARITY ONLY. THE ACTUAL LOCATION OF MAINLINE AND RELATED IRRIGATION EQUIPMENT SHALL BE WITHIN PLANTER AND A MINIMUM OF 18" OFF ADJACENT HARDSCAPE AND OTHER OBSTACLES, TYPICAL.

NOTE B:
CONTRACTOR SHALL ADJUST ALL HEADS AS REQUIRED TO ACCOMMODATE ANY VERTICAL OBSTRUCTIONS THAT MAY OCCUR IN THE LANDSCAPE, INCLUDING BUT NOT LIMITED TO LIGHT POLES, FIRE HYDRANTS, TREES, ETC. WHEN A SLIGHT RELOCATION OF THE HEAD IS NOT SUFFICIENT TO CLEAR THE OBSTACLE, OR IF IT NEGATIVELY AFFECTS THE COVERAGE, AN ADDITIONAL HEAD SHALL BE INSTALLED TO PLACE ONE HEAD ON EITHER SIDE OF THE OBSTACLE. THE NOZZLES OF THESE TWO HEADS SHALL HAVE ARC PATTERNS THAT ADD UP TO THE ORIGINAL ARC PATTERN OF THE HEAD INDICATED ON THE PLANS. THE CONTRACTOR SHALL VERIFY ALL HEAD LAYOUT WITH OWNER'S AUTHORIZED REPRESENTATIVE PRIOR TO STARTING WORK.

NOTE C:
THESE PLANS ARE DIAGRAMMATIC, TREE BUBBLERS AND LATERAL LINES ARE SHOWN WITHIN THE PAVING FOR CLARITY ONLY, THE ACTUAL LOCATIONS SHALL BE WITHIN THE PLANTER. THE TREE BUBBLERS SHALL BE ALIGNED WITH TREES AS SHOWN ON THE PLANTING PLANS, AND AS DIRECTED BY OWNER'S AUTHORIZED REPRESENTATIVE. THE CONTRACTOR SHALL CONFIRM ALL LAYOUT IN FIELD WITH OWNER'S AUTHORIZED REPRESENTATIVE PRIOR TO STARTING WORK.

1	1.5"	45.1	30
1	SB	1.50	2,401

2	1"	10.0	30
4	TB	3.00	N/A

3	1.5"	44.0	30
1	SB	1.50	2,100

7	2"	61.2	45
2	TR	0.60	8,540

6	1"	7.5	40
2	MP	0.45	1,306

5	1.5"	46.9	45
2	TR	0.60	7,364

4	1.5"	37.	
1	SB	1.5	

8	1"	11.0	30
3	TB	3.00	N/A

9	1.5"	32.4	30
1	SB	1.50	1,504

10	2"	50.7	45
2	TR	0.60	5,397

11	1.5"	42.0	30
1	SB	1.50	2,622

12	2"	54.1	45
2	TR	0.60	5,667

13	1.5"	46.5	45
2	TR	0.60	4,858

14	1.5"	45.9	30
1	SB	1.50	2,819

15	1"	21.0	30
3	TB	3.00	N/A

16	2"	52.4	45
2	TR	0.60	5,533

17	2"	52.4	45
2	TR	0.60	5,533

18	1"	17.0	30
1	SB	1.50	521

19	1.5"	30.0	30
1	SB	1.50	1,916

20	1.5"	30.0	30
1	SB	1.50	1,916

21	1.5"	39.6	45
2	TR	0.60	5,544

22	1.5"	27.0	30
1	SB	1.50	1,618

23	1.5"	27.0	30
1	SB	1.50	1,618

MATCHLINE SEE SHEET L-6.2

MATCHLINE SEE SHEET L-6.4

BUREAU OF ENGINEERING
OFFICIAL RECORD

I HAVE COMPLIED WITH THE CRITERIA OF THE IRRIGATION GUIDELINES AND APPLIED THEM ACCORDINGLY FOR THE EFFICIENT USE OF WATER IN THE IRRIGATION DESIGN PLAN

GRAPHIC SCALE
20 10 0 10 20 40
1" = 20'-0"

THE CITY OF LOS ANGELES OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF ELECTRONIC COPIES OF THIS PLAN SHEET.

REVISION DATES:
(DESIGN STAGE ONLY)

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CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS
BUREAU OF ENGINEERING
CITY OF LOS ANGELES

NO.	REVISIONS:	DATE:	BY:

BUILDING NO.
XX/XX

INDEX NO. -
RP 300094

LICENSED LANDSCAPE ARCHITECT
ZACK D FREEDMAN
No. 5582
05/31/18
Renewal Date
Date
STATE OF CALIFORNIA

VERTICAL CONTROL:
HORIZONTAL CONTROL:

SHEET TITLE:
IRRIGATION PLAN

PROJECT:
RANCHO CIENEGA SPORTS COMPLEX

ADDRESS:
5001 RODEO ROAD
LOS ANGELES, CA 90016

GARY LEE MOORE PE ENV SP CITY ENGINEER
DATE:

ARCHITECTURAL DIVISION
ARCHITECT: ZACK FREEDMAN, PLA LIC. NO. LA-5582
DESIGNED BY: HOOD DESIGN
DRAWN BY:
CHECKED BY:
APPROVED BY: MAHMOOD KARIMZADEH, A.I.A., PRINCIPAL ARCHITECT

sweeney + associates
IRRIGATION DESIGN AND CONSULTING
38730 Sky Canyon Drive, Suite C
Murrieta, Ca 92563
e: info@sweeneyassoc.com t: (951) 461-6830
w: www.sweeneyassoc.com f: (951) 461-6850

WORK ORDER NO.
E1907694
PLAN FILE NO.
DRAWING NO.
LI-6.1
SHEET OF SHEETS

PLOTTED: 12/9/2016 10:07 AM

THE CITY OF LOS ANGELES OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF ELECTRONIC COPIES OF THIS PLAN SHEET.

IRRIGATION POINT OF CONNECTION
REFER TO NOTE "A"

5"	37.8	30	
B	1.50	1,550	

78	2"	53.1	30
1	SB	1.50	1,813

77	1.5"	40.8	30
1	SB	1.50	1,430

76	2"	51.0	30
1	SB	1.50	1,677

75	1.5"	27.0	30
1	SB	1.50	1,080

74	1.5"	23.0	30
4	TB	3.00	N/A

73	1.5"	27.0	30
1	SB	1.50	1,080

72	1.5"	27.0	30
1	SB	1.50	1,080

71	1.5"	32.9	30
1	SB	1.50	1,165

CONTRACTOR TO LOCATE THE EXISTING 3" PVC IRRIGATION MAINLINE FOR THE BALL FIELDS IN THIS APPROXIMATE LOCATION. CONTRACTOR TO CONNECT NEW 3" PVC MAINLINE TO THE EXISTING 3" LINE TO SERVE THE EXISTING BALL FIELD IRRIGATION SYSTEM.

MATCHLINE SEE SHEET L-6.1

MATCHLINE SEE SHEET L-6.3

AS PART OF THIS WORK, THE CONTRACTOR SHALL MODIFY THE EXISTING BALL FIELD IRRIGATION SYSTEM TO TRIM THE IRRIGATION TO THE LIMITS OF THE BALL FIELD FENCES. EXISTING FULL AND PART CIRCLE HEADS SHALL BE RELOCATED AND/OR ADJUSTED AS NECESSARY TO PROVIDE COMPLETE COVERAGE OF THE BALL FIELD AREAS. CONTRACTOR TO USE EXISTING SPRINKLER HEADS REMOVED FROM NEW TURF AREA AND NEW LATERAL LINES AND SWING JOINTS FOR ALL WORK WITH THE EXISTING BALL FIELD.

AS PART OF THIS WORK THE CONTRACTOR SHALL ROUTE A NEW TWO-WIRE PATH FROM THE CLOSEST NEW CONTROL VALVE TO ALL EXISTING CONTROL VALVES TO REMAIN IN PLACE SERVING THE EXISTING BALL FIELD AREAS. INSTALL A NEW SINGLE STATION DECODER ON THE EXISTING VALVE TO ALLOW IT TO BE CONNECTED TO THE NEW CONTROLLER.

24	1.5"	36.0	30
1	SB	1.50	1,451

25	1.5"	25.0	30
3	TB	3.00	N/A

26	2"	52.7	45
2	TR	0.60	6,552

27	1.5"	32.0	30
1	SB	1.50	1,513

CONTRACTOR TO LOCATE AND REMOVE ALL EXISTING SPRINKLER HEADS WITHIN THE NEW TURF AREAS. THE REMOVED HEADS SHALL BE USED FOR MODIFICATION OF THE EXISTING BALL FIELD IRRIGATION SYSTEMS. ANY REMOTE CONTROL VALVES LOCATED WITHIN THE NEW TURF AREAS THAT ARE NOT USED TO IRRIGATE THE EXISTING BALL FIELDS WITHIN THE FENCES SHALL BE REMOVED AND TURNED OB=VER TO THE CITY STAFF. ANY REMOTE CONTROL VALVES WITHIN THE NEW TURF AREAS THAT CONTROL IRRIGATION WITHIN THE EXISTING BALL FIELDS SHALL BE RELOCATED TO THE NEW 3" PVC MAINLINE.

MATCHLINE SEE SHEET L-6.5

NOTE A:
POINT OF CONNECTION (POC) SHALL BE A X" DOMESTIC WATER METER WITH A X" SERVICE LINE. THE CONTRACTOR SHALL VERIFY THE ACTUAL LOCATION, WATER TYPE, METER SIZE AND WATER PRESSURE IN THE FIELD PRIOR TO STARTING WORK. MEASUREMENT OF THE STATIC (NO WATER MOVING) WATER PRESSURE IS ACCEPTABLE FOR POTABLE WATER SYSTEMS WHERE NO PUMP HAS BEEN INDICATED ON THESE PLANS. WHEN USING RECYCLED WATER, OR ON POTABLE WATER SYSTEMS REQUIRING A PUMP, ONLY THE MEASUREMENT OF DYNAMIC (WATER MOVING THROUGH THE METER) WATER PRESSURE, SHALL BE ACCEPTABLE. THE DYNAMIC WATER PRESSURE SHALL BE MEASURED AT THE MAXIMUM SYSTEM DEMAND AS INDICATED BELOW. IF ANY OF THE POC INFORMATION SHOWN ON THESE DRAWING IS FOUND TO BE DIFFERENT THAN THE ACTUAL POC INFORMATION GATHERED IN THE FIELD, IMMEDIATELY NOTIFY THE LANDSCAPE ARCHITECT AND IRRIGATION CONSULTANT. SHOULD THE CONTRACTOR FAIL TO VERIFY THE POC INFORMATION AS SHOWN HEREIN, ANY CHANGES REQUIRED BY LOW PRESSURE OR VOLUME SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR.

WATER PRESSURE AT POC:	N/A	PSI (STATIC)
DESIGN WATER PRESSURE:	N/A	PSI
MAXIMUM SYSTEM DEMAND:	N/A	GPM
RESIDUAL WATER PRESSURE:	N/A	PSI

NOTE B:
CONTROLLER SHALL BE OF THE BRAND, MODEL AND STATION SIZE AS INDICATED ON THE IRRIGATION MATERIALS LEGEND. THE CONTROLLER SHALL BE INSTALLED IN THE APPROXIMATE LOCATION SHOWN. THE CONTRACTOR SHALL COORDINATE THE REQUIRED ELECTRICAL POWER SUPPLY AT THIS LOCATION WITH THE OWNER'S AUTHORIZED REPRESENTATIVE. FINAL LOCATION OF CONTROLLER AND ELECTRICAL POINT OF CONNECTION SHALL BE CONFIRMED WITH OWNER'S AUTHORIZED REPRESENTATIVE PRIOR TO STARTING WORK.

NOTE C:
THESE PLANS ARE DIAGRAMMATIC, THE MAINLINE AND RELATED IRRIGATION EQUIPMENT IS SHOWN WITHIN THE PAVING FOR CLARITY ONLY. THE ACTUAL LOCATION OF MAINLINE AND RELATED IRRIGATION EQUIPMENT SHALL BE WITHIN PLANTER AND A MINIMUM OF 18" OFF ADJACENT HARDSCAPE AND OTHER OBSTACLES, TYPICAL.

NOTE D:
CONTRACTOR SHALL ADJUST ALL HEADS AS REQUIRED TO ACCOMMODATE ANY VERTICAL OBSTRUCTIONS THAT MAY OCCUR IN THE LANDSCAPE, INCLUDING BUT NOT LIMITED TO LIGHT POLES, FIRE HYDRANTS, TREES, ETC. WHEN A SLIGHT RELOCATION OF THE HEAD IS NOT SUFFICIENT TO CLEAR THE OBSTACLE, OR IF IT NEGATIVELY AFFECTS THE COVERAGE, AN ADDITIONAL HEAD SHALL BE INSTALLED TO PLACE ONE HEAD ON EITHER SIDE OF THE OBSTACLE. THE NOZZLES OF THESE TWO HEADS SHALL HAVE ARC PATTERNS THAT ADD UP TO THE ORIGINAL ARC PATTERN OF THE HEAD INDICATED ON THE PLANS. THE CONTRACTOR SHALL VERIFY ALL HEAD LAYOUT WITH OWNER'S AUTHORIZED REPRESENTATIVE PRIOR TO STARTING WORK.

NOTE E:
THESE PLANS ARE DIAGRAMMATIC, TREE BUBBLERS AND LATERAL LINES ARE SHOWN WITHIN THE PAVING FOR CLARITY ONLY, THE ACTUAL LOCATIONS SHALL BE WITHIN THE PLANTER. THE TREE BUBBLERS SHALL BE ALIGNED WITH TREES AS SHOWN ON THE PLANTING PLANS, AND AS DIRECTED BY OWNER'S AUTHORIZED REPRESENTATIVE. THE CONTRACTOR SHALL CONFIRM ALL LAYOUT IN FIELD WITH OWNER'S AUTHORIZED REPRESENTATIVE PRIOR TO STARTING WORK.

BUREAU OF ENGINEERING
OFFICIAL RECORD

I HAVE COMPLIED WITH THE CRITERIA OF THE IRRIGATION GUIDELINES AND APPLIED THEM ACCORDINGLY FOR THE EFFICIENT USE OF WATER IN THE IRRIGATION DESIGN PLAN

sweeney + associates
IRRIGATION DESIGN AND CONSULTING
38730 Sky Canyon Drive, Suite C
Murrieta, Ca 92563
e: info@sweeneyassoc.com t: (951) 461-6830
w: www.sweeneyassoc.com f: (951) 461-6850

GRAPHIC SCALE
20 10 0 10 20 40
1" = 20'-0"

REVISION DATES
(DESIGN STAGE ONLY)

VERTICAL CONTROL:
HORIZONTAL CONTROL:

SHEET TITLE: IRRIGATION PLAN

PROJECT: RANCHO CIENEGA SPORTS COMPLEX
ADDRESS: 5001 RODEO ROAD
LOS ANGELES, CA 90016

WORK ORDER NO. E1907694
PLAN FILE NO.
DRAWING NO. LI-6.2
SHEET OF SHEETS

CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS
BID SUBMITTAL - NOT FOR CONSTRUCTION

ENGINEERING
CITY OF LOS ANGELES

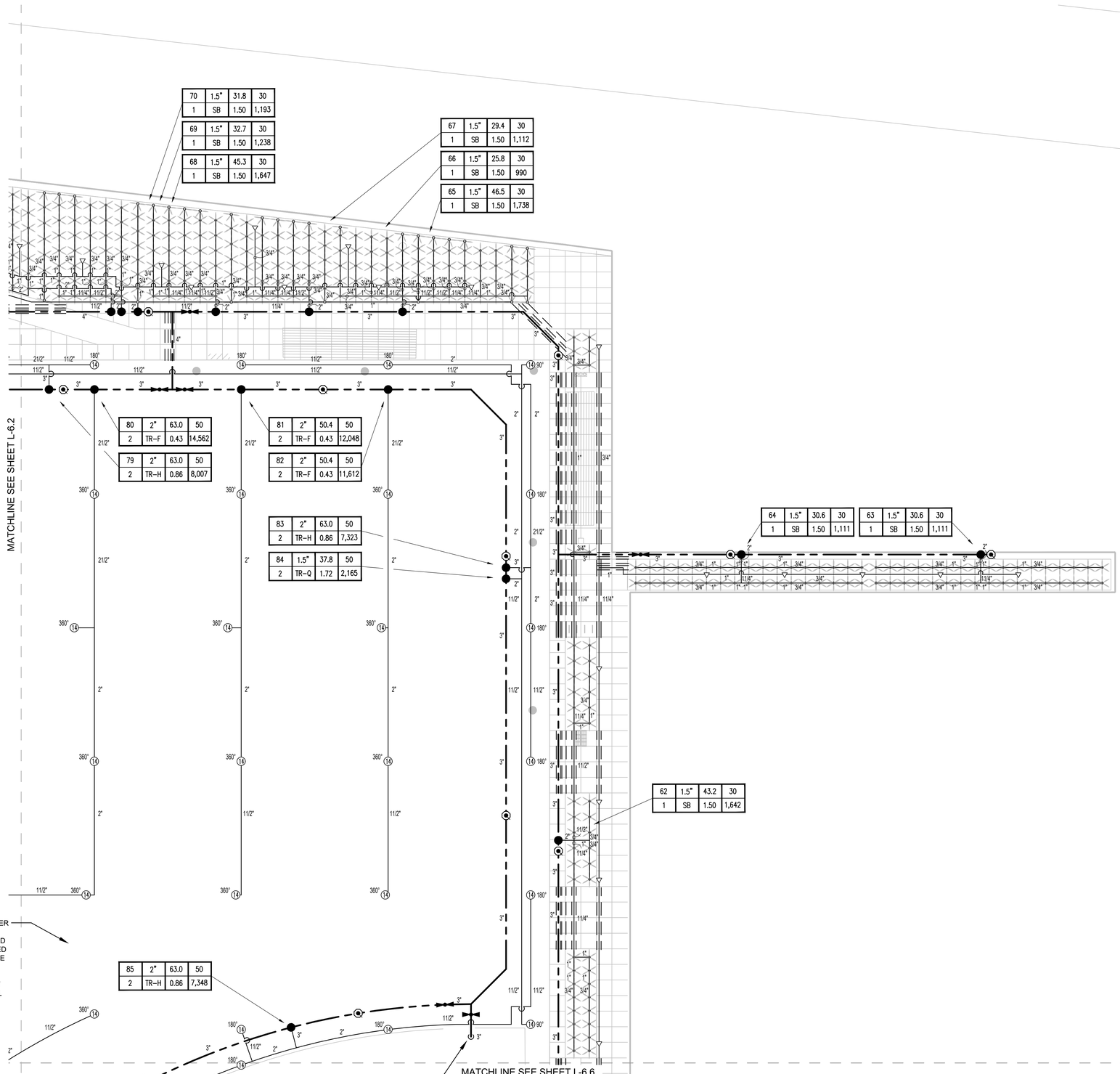
BUREAU OF ENGINEERING
DATE: BY:
NO. REVISIONS:

BUILDING NO. XX/XX
RP 300094
INDEX NO. -

GARY LEE MOORE PE ENV SP CITY ENGINEER
ARCHITECTURAL DIVISION
ARCHITECT: ZACK FREEDMAN, P.L.A. LIC. NO. LA-5982
DESIGNED BY: HOOD DESIGN
DRAWN BY:
CHECKED BY:
APPROVED BY: MAHMOOD KARIMZADEH, A.I.A., PRINCIPAL ARCHITECT
DATE:

LICENSED LANDSCAPE ARCHITECT ZACHARY D FREEDMAN No. 5982 Expiration Date 05/31/18 Renewal Date 12/31/16 Date STATE OF CALIFORNIA

PLOTTED: 12/9/2016 10:07 AM



CONTRACTOR TO LOCATE AND REMOVE ALL EXISTING SPRINKLER HEADS WITHIN THE NEW TURF AREAS. THE REMOVED HEADS SHALL BE USED FOR MODIFICATION OF THE EXISTING BALL FIELD IRRIGATION SYSTEMS. ANY REMOTE CONTROL VALVES LOCATED WITHIN THE NEW TURF AREAS THAT ARE NOT USED TO IRRIGATE THE EXISTING BALL FIELDS WITHIN THE FENCES SHALL BE REMOVED AND TURNED OB-VER TO THE CITY STAFF. ANY REMOTE CONTROL VALVES WITHIN THE NEW TURF AREAS THAT CONTROL IRRIGATION WITHIN THE EXISTING BALL FIELDS SHALL BE RELOCATED TO THE NEW 3" PVC MAINLINE.

CONTRACTOR TO LOCATE THE EXISTING 3" PVC IRRIGATION MAINLINE FOR THE BALL FIELDS IN THIS APPROXIMATE LOCATION. CONTRACTOR TO CONNECT NEW 3" PVC MAINLINE TO THE EXISTING 3" LINE TO SERVE THE EXISTING BALL FIELD IRRIGATION SYSTEM.

NOTE A:
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NOTE B:
CONTRACTOR SHALL ADJUST ALL HEADS AS REQUIRED TO ACCOMMODATE ANY VERTICAL OBSTRUCTIONS THAT MAY OCCUR IN THE LANDSCAPE, INCLUDING BUT NOT LIMITED TO LIGHT POLES, FIRE HYDRANTS, TREES, ETC. WHEN A SLIGHT RELOCATION OF THE HEAD IS NOT SUFFICIENT TO CLEAR THE OBSTACLE, OR IF IT NEGATIVELY AFFECTS THE COVERAGE, AN ADDITIONAL HEAD SHALL BE INSTALLED TO PLACE ONE HEAD ON EITHER SIDE OF THE OBSTACLE. THE NOZZLES OF THESE TWO HEADS SHALL HAVE ARC PATTERNS THAT ADD UP TO THE ORIGINAL ARC PATTERN OF THE HEAD INDICATED ON THE PLANS. THE CONTRACTOR SHALL VERIFY ALL HEAD LAYOUT WITH OWNER'S AUTHORIZED REPRESENTATIVE PRIOR TO STARTING WORK.

NOTE C:
THESE PLANS ARE DIAGRAMMATIC, TREE BUBBLERS AND LATERAL LINES ARE SHOWN WITHIN THE PAVING FOR CLARITY ONLY, THE ACTUAL LOCATIONS SHALL BE WITHIN THE PLANTER. THE TREE BUBBLERS SHALL BE ALIGNED WITH TREES AS SHOWN ON THE PLANTING PLANS, AND AS DIRECTED BY OWNER'S AUTHORIZED REPRESENTATIVE. THE CONTRACTOR SHALL CONFIRM ALL LAYOUT IN FIELD WITH OWNER'S AUTHORIZED REPRESENTATIVE PRIOR TO STARTING WORK.

I HAVE COMPLIED WITH THE CRITERIA OF THE IRRIGATION GUIDELINES AND APPLIED THEM ACCORDINGLY FOR THE EFFICIENT USE OF WATER IN THE IRRIGATION DESIGN PLAN

sweeney + associates
IRRIGATION DESIGN AND CONSULTING
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GRAPHIC SCALE
20 10 0 10 20 40
1" = 20'-0"

BUREAU OF ENGINEERING
OFFICIAL RECORD

BID SUBMITTAL - NOT FOR CONSTRUCTION

CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS
ENGINEERING
CITY OF LOS ANGELES

BUREAU OF ENGINEERING
BUILDING NO. XX/XX
INDEX NO. -
RP 300094

NO.	REVISIONS:	DATE:	BY:

LICENSED LANDSCAPE ARCHITECT
ZACK D FREEDMAN
No. 5582
05/31/18
Renewal Date
10/31/19
Date
STATE OF CALIFORNIA

GARY LEE MOORE PE ENV SP CITY ENGINEER
ARCHITECTURAL DIVISION
LIC. NO. LA-5582 DATE:
ARCHITECT: ZACK FREEDMAN, PLA
DESIGNED BY: HOOD DESIGN
DRAWN BY:
CHECKED BY:
APPROVED BY: MAHMOOD KARIMZADEH, A.I.A., PRINCIPAL ARCHITECT

VERTICAL CONTROL:
HORIZONTAL CONTROL:

SHEET TITLE: IRRIGATION PLAN
PROJECT: RANCHO CIENEGA SPORTS COMPLEX
ADDRESS: 5001 RODEO ROAD
LOS ANGELES, CA 90016

WORK ORDER NO. E1907694
PLAN FILE NO.
DRAWING NO. LI-6.3
SHEET OF SHEETS

PLOTTED: 12/9/2016 10:08 AM

REVISION DATES (DESIGN STAGE ONLY)

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REVISION DATES (DESIGN STAGE ONLY)

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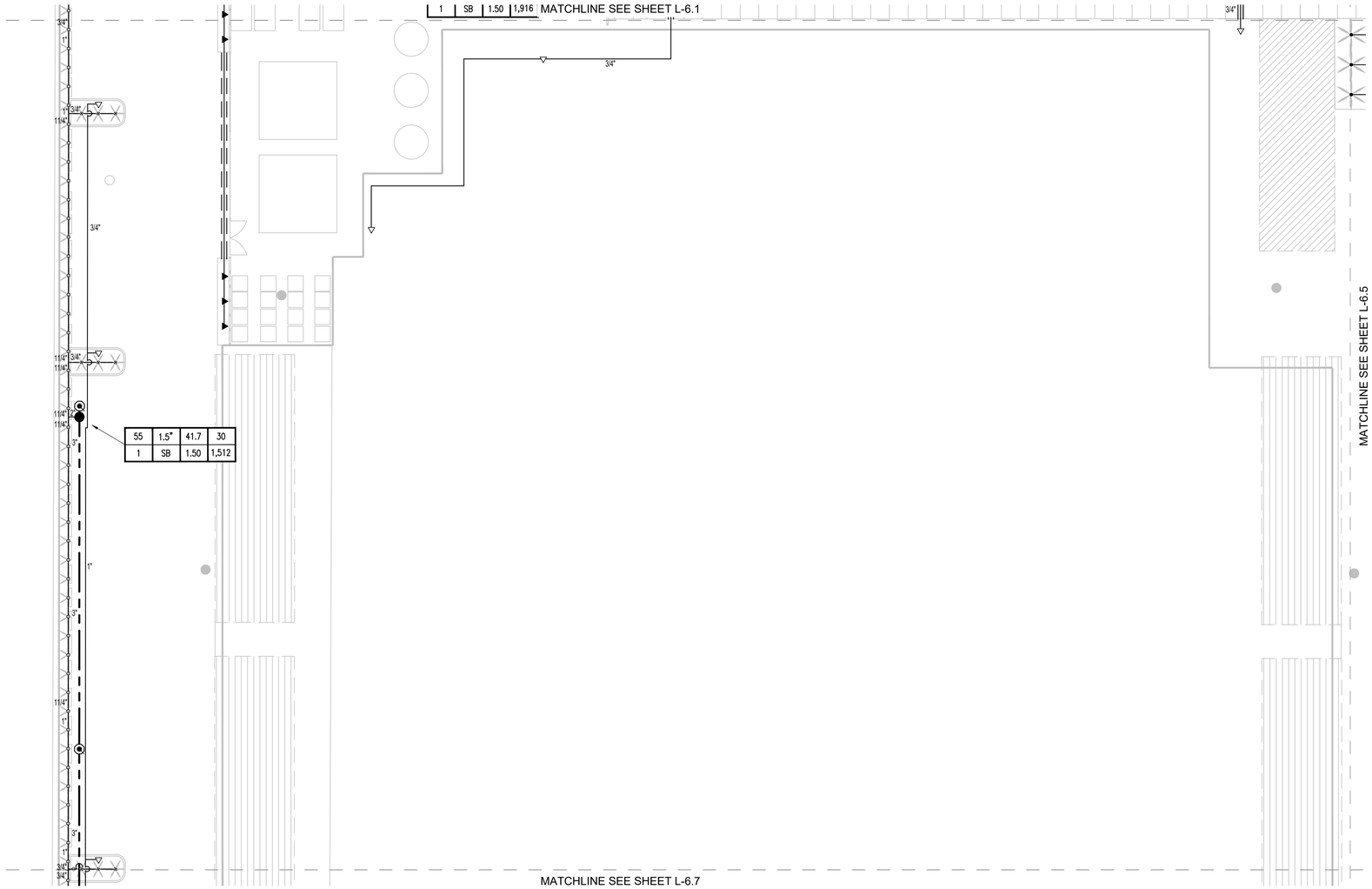

I HAVE COMPLIED WITH THE CRITERIA OF THE IRRIGATION GUIDELINES AND APPLIED THEM ACCORDINGLY FOR THE EFFICIENT USE OF WATER IN THE IRRIGATION DESIGN PLAN

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GRAPHIC SCALE
20 10 0 10 20 40
1" = 20'-0"

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CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS BUREAU OF ENGINEERING

ENGINEERING
CITY OF LOS ANGELES

NO.	REVISIONS:	DATE:	BY:

BUILDING NO. XX/XX

INDEX NO. - RP 300094

LICENSED LANDSCAPE ARCHITECT ZACK D FREEDMAN
No. 5582
05/31/18
Renewal Date
Date
STATE OF CALIFORNIA

BUREAU OF ENGINEERING
OFFICIAL RECORD

VERTICAL CONTROL:
HORIZONTAL CONTROL:

SHEET TITLE: IRRIGATION PLAN
PROJECT: RANCHO CIENEGA SPORTS COMPLEX
ADDRESS: 5001 RODEO ROAD LOS ANGELES, CA 90016

GARY LEE MOORE PE ENV SP CITY ENGINEER
ARCHITECTURAL DIVISION
ARCHITECT: ZACK FREEDMAN, PLA LIC. NO. LA-5582 DATE:
DESIGNED BY: HOOD DESIGN
DRAWN BY:
CHECKED BY:
APPROVED BY: MAHMOOD KARIMZADEH, A.I.A., PRINCIPAL ARCHITECT

WORK ORDER NO. E1907694
PLAN FILE NO.
DRAWING NO. LI-6.4
SHEET OF SHEETS

PLOTTED: 12/9/2016 10:08 AM

AS PART OF THIS WORK, THE CONTRACTOR SHALL MODIFY THE EXISTING BALL FIELD IRRIGATION SYSTEM TO TRIM THE IRRIGATION TO THE LIMITS OF THE BALL FIELD FENCES. EXISTING FULL AND PART CIRCLE HEADS SHALL BE RELOCATED AND/OR ADJUSTED AS NECESSARY TO PROVIDE COMPLETE COVERAGE OF THE BALL FIELD AREAS. CONTRACTOR TO USE EXISTING SPRINKLER HEADS REMOVED FROM NEW TURF AREA AND NEW LATERAL LINES AND SWING JOINTS FOR ALL WORK WITH THE EXISTING BALL FIELD.

AS PART OF THIS WORK THE CONTRACTOR SHALL ROUTE A NEW TWO-WIRE PATH FROM THE CLOSEST NEW CONTROL VALVE TO ALL EXISTING CONTROL VALVES TO REMAIN IN PLACE SERVING THE EXISTING BALL FIELD AREAS. INSTALL A NEW SINGLE STATION DECODER ON THE EXISTING VALVE TO ALLOW IT TO BE CONNECTED TO THE NEW CONTROLLER.

CONTRACTOR TO LOCATE AND REMOVE ALL EXISTING SPRINKLER HEADS WITHIN THE NEW TURF AREAS. THE REMOVED HEADS SHALL BE USED FOR MODIFICATION OF THE EXISTING BALL FIELD IRRIGATION SYSTEMS. ANY REMOTE CONTROL VALVES LOCATED WITHIN THE NEW TURF AREAS THAT ARE NOT USED TO IRRIGATE THE EXISTING BALL FIELDS WITHIN THE FENCES SHALL BE REMOVED AND TURNED OB=VER TO THE CITY STAFF. ANY REMOTE CONTROL VALVES WITHIN THE NEW TURF AREAS THAT CONTROL IRRIGATION WITHIN THE EXISTING BALL FIELDS SHALL BE RELOCATED TO THE NEW 3" PVC MAINLINE.

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MATCHLINE SEE SHEET L-6.2

CONTRACTOR TO LOCATE THE EXISTING 3" PVC IRRIGATION MAINLINE FOR THE BALL FIELDS IN THIS APPROXIMATE LOCATION. CONTRACTOR SHALL PROTECT IN PLACE THE EXISTING 3" IRRIGATION MAINLINE FOR CONTINUED USE BY THE EXISTING BALL FIELD CONTROL VALVES. IF THE EXISTING LINE IS DAMAGED, THE CONTRACTOR SHALL CONNECT A NEW 3" PVC MAINLINE TO THE EXISTING 3" LINE TO SERVE THE EXISTING BALL FIELD IRRIGATION SYSTEM.

MATCHLINE SEE SHEET L-6.4

MATCHLINE SEE SHEET L-6.6

28	1.5"	48.0	30
1	SB	1.50	2,706

29	1"	20.0	30
3	TB	3.00	N/A

30	1.5"	48.6	30
1	SB	1.50	1,929

31	1.5"	48.0	30
1	SB	1.50	2,595

32	1"	15.0	30
3	TB	3.00	N/A

86	2"	63.0	50
2	TR–H	0.86	7,279

87	2"	63.0	50
2	TR–F	0.43	12,201

88	2"	63.0	50
2	TR–F	0.43	10,134

89	2"	63.0	50
2	TR–H	0.86	7,856

90	2"	54.8	40
2	TR	1.50	7,686

MATCHLINE SEE SHEET L-6.8

AS PART OF THIS WORK, THE CONTRACTOR SHALL MODIFY THE EXISTING BALL FIELD IRRIGATION SYSTEM TO TRIM THE IRRIGATION TO THE LIMITS OF THE BALL FIELD FENCES. EXISTING FULL AND PART CIRCLE HEADS SHALL BE RELOCATED AND/OR ADJUSTED AS NECESSARY TO PROVIDE COMPLETE COVERAGE OF THE BALL FIELD AREAS. CONTRACTOR TO USE EXISTING SPRINKLER HEADS REMOVED FROM NEW TURF AREA AND NEW LATERAL LINES AND SWING JOINTS FOR ALL WORK WITH THE EXISTING BALL FIELD.

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BUREAU OF ENGINEERING
OFFICIAL RECORD

GRAPHIC SCALE
20 10 0 10 20 40
1" = 20'-0"

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CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS
BUREAU OF ENGINEERING

ENGINEERING
CITY OF LOS ANGELES

BUILDING NO. XX/XX

INDEX NO. - RP 300094

NO.	REVISIONS:	DATE:	BY:

LICENSED LANDSCAPE ARCHITECT
ZACK D FREEDMAN
No. 5582
05/31/18
Renewal Date
Expiration Date
STATE OF CALIFORNIA

GARY LEE MOORE PE, ENV SP CITY ENGINEER
DATE:
ARCHITECTURAL DIVISION
ARCHITECT: ZACK FREEDMAN, PLA LIC. NO. LA-5582
DESIGNED BY: HOOD DESIGN
DRAWN BY:
CHECKED BY:
APPROVED BY: MAHMOOD KARIMZADEH, A.I.A., PRINCIPAL ARCHITECT

VERTICAL CONTROL:
HORIZONTAL CONTROL:

SHEET TITLE: IRRIGATION PLAN

PROJECT: RANCHO CIENEGA SPORTS COMPLEX

ADDRESS: 5001 RODEO ROAD
LOS ANGELES, CA 90016

WORK ORDER NO. E1907694
PLAN FILE NO.
DRAWING NO. LI-6.5
SHEET OF SHEETS

PLOTTED: 12/9/2016 10:09 AM

REVISION DATES (DESIGN STAGE ONLY)

THE CITY OF LOS ANGELES OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF ELECTRONIC COPIES OF THIS PLAN SHEET.

CONTRACTOR TO LOCATE AND REMOVE ALL EXISTING SPRINKLER HEADS WITHIN THE NEW TURF AREAS. THE REMOVED HEADS SHALL BE USED FOR MODIFICATION OF THE EXISTING BALL FIELD IRRIGATION SYSTEMS. ANY REMOTE CONTROL VALVES LOCATED WITHIN THE NEW TURF AREAS THAT ARE NOT USED TO IRRIGATE THE EXISTING BALL FIELDS WITHIN THE FENCES SHALL BE REMOVED AND TURNED OB=VER TO THE CITY STAFF. ANY REMOTE CONTROL VALVES WITHIN THE NEW TURF AREAS THAT CONTROL IRRIGATION WITHIN THE EXISTING BALL FIELDS SHALL BE RELOCATED TO THE NEW 3" PVC MAINLINE.

MATCHLINE SEE SHEET L-6.5

AS PART OF THIS WORK, THE CONTRACTOR SHALL MODIFY THE EXISTING BALL FIELD IRRIGATION SYSTEM TO TRIM THE IRRIGATION TO THE LIMITS OF THE BALL FIELD FENCES. EXISTING FULL AND PART CIRCLE HEADS SHALL BE RELOCATED AND/OR ADJUSTED AS NECESSARY TO PROVIDE COMPLETE COVERAGE OF THE BALL FIELD AREAS. CONTRACTOR TO USE EXISTING SPRINKLER HEADS REMOVED FROM NEW TURF AREA AND NEW LATERAL LINES AND SWING JOINTS FOR ALL WORK WITH THE EXISTING BALL FIELD.

AS PART OF THIS WORK THE CONTRACTOR SHALL ROUTE A NEW TWO-WIRE PATH FROM THE CLOSEST NEW CONTROL VALVE TO ALL EXISTING CONTROL VALVES TO REMAIN IN PLACE SERVING THE EXISTING BALL FIELD AREAS. INSTALL A NEW SINGLE STATION DECODER ON THE EXISTING VALVE TO ALLOW IT TO BE CONNECTED TO THE NEW CONTROLLER.

MATCHLINE SEE SHEET L-6.3

61	1.5"	29.0	30
3	TB	3.00	N/A

60	1.5"	29.1	40
2	MP	0.45	5,621

59	1.5"	32.4	30
1	SB	1.50	1,295

58	1"	14.0	30
3	TB	3.00	N/A

57	1"	17.8	40
2	MP	0.81	1,412

56	1.5"	26.9	40
2	MP	0.45	4,767

MATCHLINE SEE SHEET L-6.9

THIS ISOLATION VALVE TO REMAIN CLOSED UNDER NORMAL OPERATION TO ISOLATE THE SYSTEM INTO TWO FLOW SENSOR ZONES. OPEN VALVE ONLY WHEN NECESSARY DURING REPAIRS OR TO ALLOW FOR BACK FEEDING THE LOOP AROUND MAINLINE DAMAGE.

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I HAVE COMPLIED WITH THE CRITERIA OF THE IRRIGATION GUIDELINES AND APPLIED THEM ACCORDINGLY FOR THE EFFICIENT USE OF WATER IN THE IRRIGATION DESIGN PLAN

sweeney + associates
IRRIGATION DESIGN AND CONSULTING
38730 Sky Canyon Drive, Suite C
Murrieta, Ca 92563
e: info@sweeneyassoc.com t: (951) 461-6830
w: www.sweeneyassoc.com f: (951) 461-6850

GRAPHIC SCALE
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1" = 20'-0"

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CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS

ENGINEERING
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BUILDING NO. XX/XX

INDEX NO. - RP 300094

LICENSED LANDSCAPE ARCHITECT
ZACK D FREEDMAN
No. 5582
05/31/18
Renewal Date
10/04/16
Date
STATE OF CALIFORNIA

GARY LEE MOORE PE ENV SP CITY ENGINEER
ARCHITECTURAL DIVISION DATE:
ARCHITECT: ZACK FREEDMAN, PLA LIC. NO. LA-5582
DESIGNED BY: HOOD DESIGN
DRAWN BY:
CHECKED BY:
APPROVED BY: MAHMOOD KARIMZADEH, A.I.A., PRINCIPAL ARCHITECT

VERTICAL CONTROL:
HORIZONTAL CONTROL:

SHEET TITLE: IRRIGATION PLAN

PROJECT: RANCHO CIENEGA SPORTS COMPLEX

ADDRESS: 5001 RODEO ROAD
LOS ANGELES, CA 90016

WORK ORDER NO. E1907694

PLAN FILE NO.

DRAWING NO. LI-6.6

SHEET OF SHEETS

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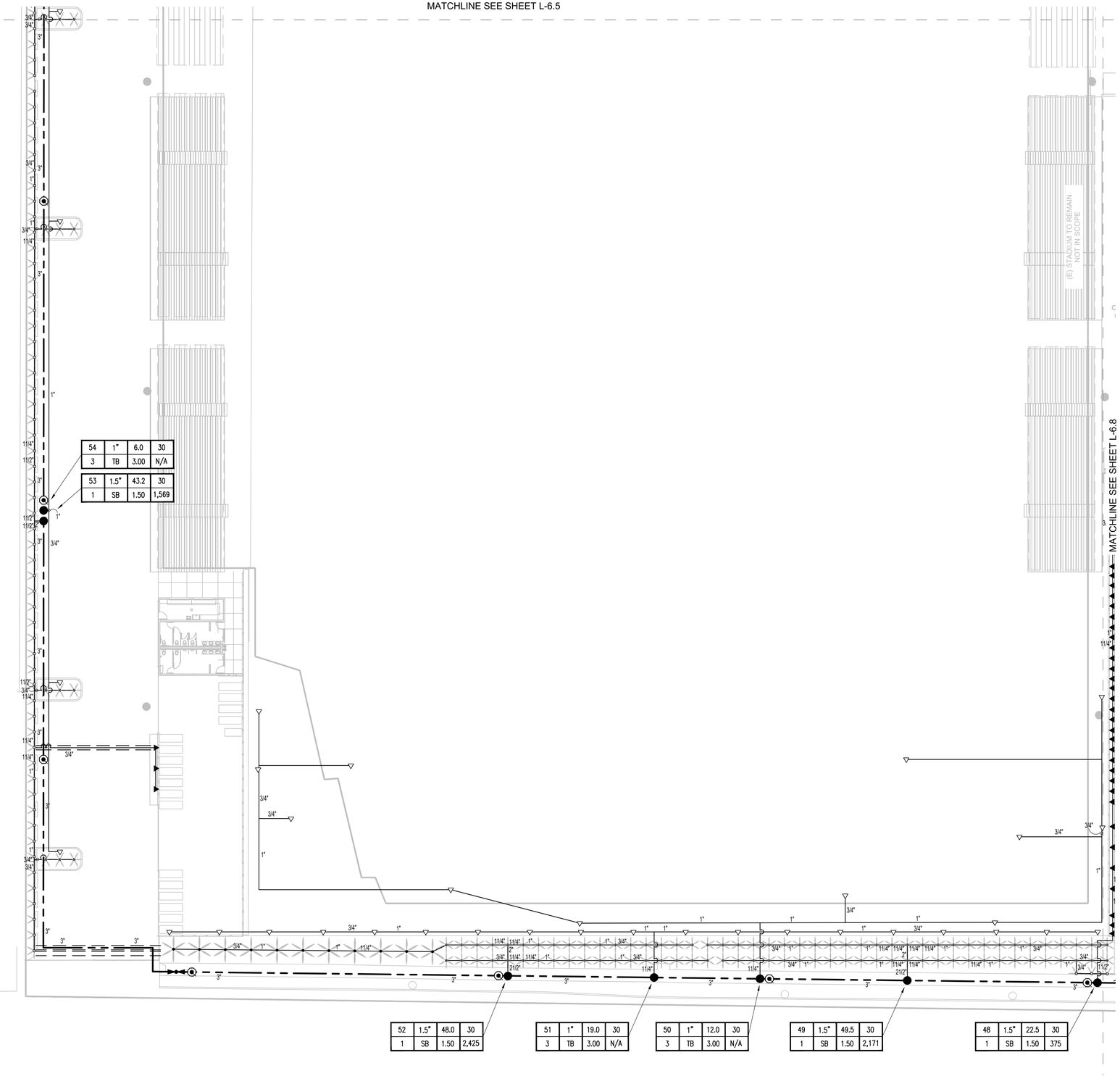
MATCHLINE SEE SHEET L-6.5



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ENGINEERING
CITY OF LOS ANGELES

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BUILDING NO. XX/XX

INDEX NO. - RP 300094

LICENSED LANDSCAPE ARCHITECT
ZACK D FREEDMAN
No. 5682
05/31/18
Renewal Date
Date
STATE OF CALIFORNIA

BID SUBMITTAL - NOT FOR CONSTRUCTION
DEPARTMENT OF PUBLIC WORKS
BUREAU OF ENGINEERING
CITY OF LOS ANGELES

GARY LEE MOORE PE ENV SP CITY ENGINEER
ARCHITECTURAL DIVISION DATE:

ARCHITECT: ZACK FREEDMAN, PLA LIC. NO. LA-5682
DESIGNED BY: HOOD DESIGN
DRAWN BY:
CHECKED BY:
APPROVED BY: MAHMOOD KARIMZADEH, A.I.A., PRINCIPAL ARCHITECT

VERTICAL CONTROL:
HORIZONTAL CONTROL:

SHEET TITLE: IRRIGATION PLAN

PROJECT: RANCHO CIENEGA SPORTS COMPLEX

ADDRESS: 5001 RODEO ROAD
LOS ANGELES, CA 90016

WORK ORDER NO. E1907694
PLAN FILE NO.
DRAWING NO. LI-6.7
SHEET OF SHEETS

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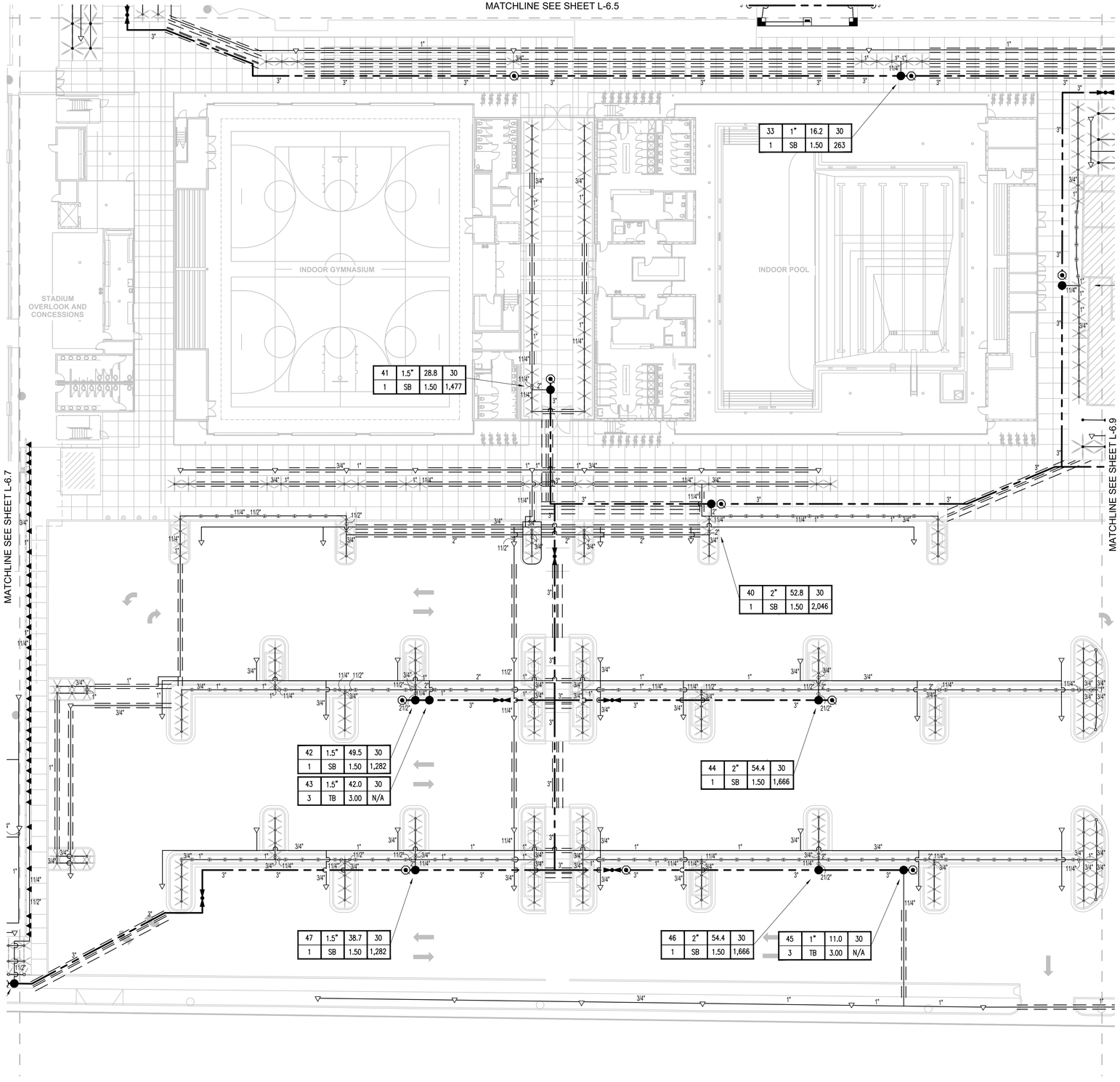

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1			
2			
3			
4			
5			

LICENSED LANDSCAPE ARCHITECT
ZACK D FREEDMAN
No. 5682
05/31/18
Renewal Date
10/31/18
Date
STATE OF CALIFORNIA

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WORK ORDER NO. E1907694
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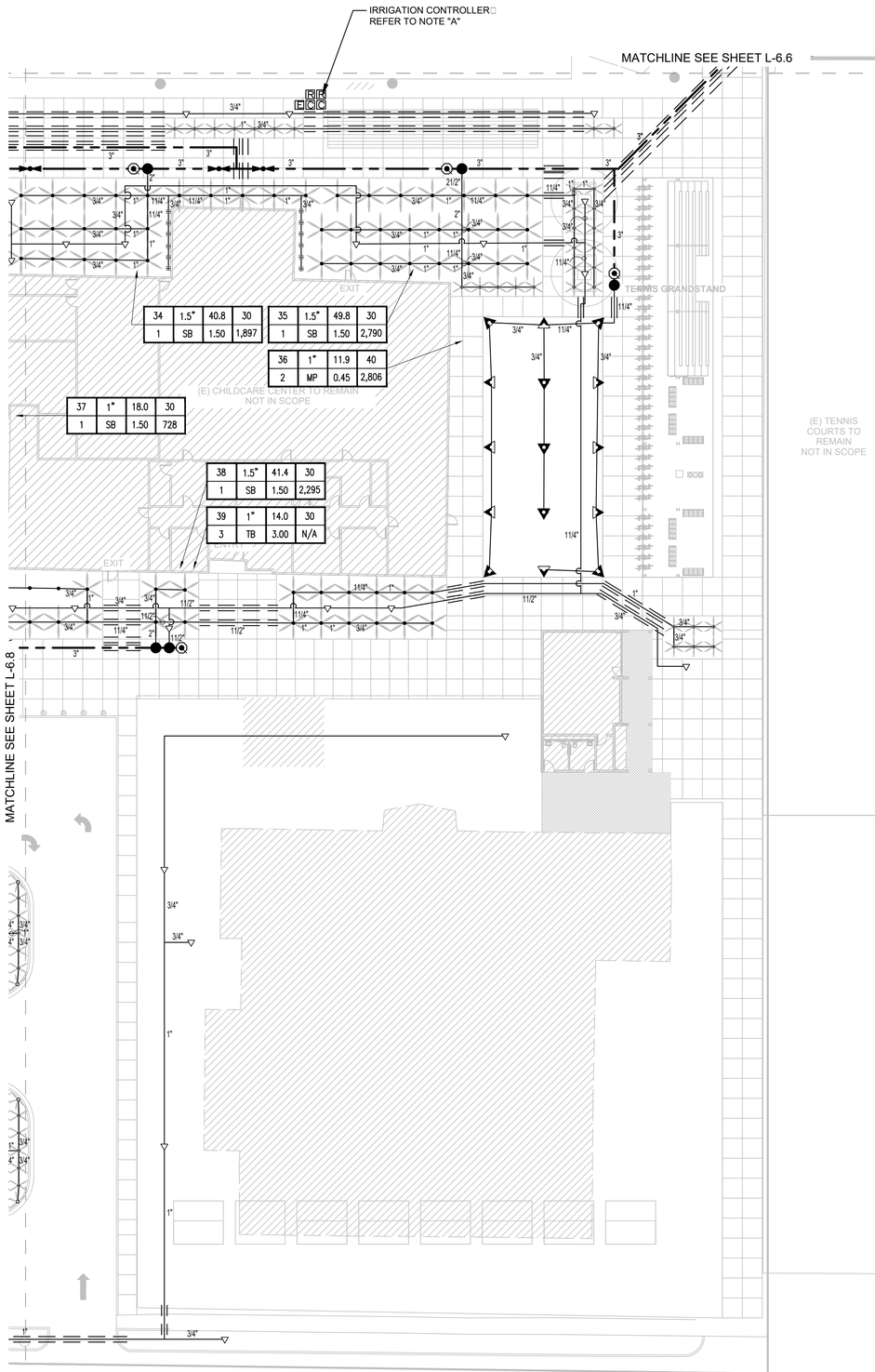

WATER EFFICIENT LANDSCAPE WORKSHEET

This worksheet is filled out by the project applicant and it is a required element of the Landscape Documentation Package

Project Name: Rancho Cienega Sports Complex

Project Address: 5001 Rodeo Road, Los Angeles, CA 90016

sweeney + associates — IRRIGATION DESIGN AND CONSULTING

Reference Evapotranspiration (ETo) 50.1 In./Yr. **Residential Project?** No

Hydrozone # / Planting Description[a]	Plant Factor	Irrigation Method[b]	Irrigation Efficiency (IE)[c]	ETAF (PF / IE)	Landscape Area (Sq. Ft.)	ETAF x Area	Estimated Total Water Use (ETWU)[d]
Regular Landscape Areas							
HZ #1: LWU Shrub Plantings (Bubblers)	0.30	Drip	0.81	0.38	78,625	29,878	928,055
HZ #3: LWU 20' Dia. Trees (Bubblers) - 239 Total	0.30	Drip	0.81	0.38	75,046	28,517	885,810
HZ #4: MWU 20' Dia. Trees (Bubblers) - 34 Total	0.50	Drip	0.81	0.62	10,676	6,619	205,603
				Totals:	164,347	65,014	
Special Landscape Areas							
1. Recreational Turf Areas (HZ #2)				1.00	179,121	179,121	5,563,857
				Totals:	179,121	179,121	
				Estimated Total Water Use (ETWU) Total:			7,583,324
				Maximum Applied Water Allowance (MAWA)[e]:			7,861,082

[a] Hydrozone # / Planting Description	[b] Irrigation Method	[c] Irrigation Efficiency
E.g.	*Overhead Spray of*	*0.75 for Spray*
1.) Front Lawn	*Drip*	*0.81 for Drip*
2.) Low Water Use Plantings		
3.) Medium Water Use Plantings		

***[d] ETWU (Annual Gallons Required)** = ETo x 0.62 x ETAF x Area*
Where 0.62 is a conversion factor that converts acre-inches/acre/year to gallons/square foot/year.

***[e] MAWA (Annual Gallons Allowed)** = ETo x 0.62 x [(ETAF x LA) + ((1 - ETAF) x SLA)]*
Where 0.62 is a conversion factor that converts acre-inches/acre/year to gallons/square foot/year,
LA is the total landscape area in square feet, SLA is the total special landscape area in square feet,
and ETAF is 0.55 for residential projects and 0.45 for non-residential projects.

Evapotranspiration Adjustment Factor (ETAF) Calculations

This non-residential project complies with the WELO and its average ETAF is less than 0.45

Regular Landscape Areas	
Total ETAF x Area	65,014
Total Area	164,347
Average ETAF	**0.4**

All Landscape Areas	
Total ETAF x Area	244,135
Total Area	343,468
Average ETAF	**0.71**

NOTE A:
CONTROLLER SHALL BE OF THE BRAND, MODEL AND STATION SIZE AS INDICATED ON THE IRRIGATION MATERIALS LEGEND. THE CONTROLLER SHALL BE INSTALLED IN THE APPROXIMATE LOCATION SHOWN. THE CONTRACTOR SHALL COORDINATE THE REQUIRED ELECTRICAL POWER SUPPLY AT THIS LOCATION WITH THE OWNER'S AUTHORIZED REPRESENTATIVE. FINAL LOCATION OF CONTROLLER AND ELECTRICAL POINT OF CONNECTION SHALL BE CONFIRMED WITH OWNER'S AUTHORIZED REPRESENTATIVE PRIOR TO STARTING WORK.

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IRRIGATION CONTROLLER RUN TIMES

POC or Controller		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Total / Avg.
1	ETo / Month (Inches):	2.20	2.70	3.70	4.70	5.50	5.80	6.20	5.90	5.00	3.90	2.60	1.90	**50.10**
	ETo / Day (Inches):	0.07	0.10	0.12	0.16	0.18	0.19	0.20	0.19	0.17	0.13	0.09	0.06	**0.14**
	Irrigation Days / Week:	3	3	3	4	5	6	6	6	5	4	3	3	

Plant / Irrig. Type	AKc	Pr Rate	IE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
Recreational Turf Area -	0.80	1.72	0.75	6.2	8.4	10.4	10.2	9.2	8.4	8.7	8.3	8.7	8.2	7.5	5.3	Min./Day/Zone
90° Large Rotors	Number of Zones:		1	**6.2**	**8.4**	**10.4**	**10.2**	**9.2**	**8.4**	**8.7**	**8.3**	**8.7**	**8.2**	**7.5**	**5.3**	**Total Min./Day**
Recreational Turf Area -	0.80	0.86	0.75	12.3	16.7	20.7	20.4	18.5	16.8	17.4	16.5	17.4	16.4	15.0	10.6	Min./Day/Zone
180° Large Rotors	Number of Zones:		5	**61.6**	**83.7**	**103.6**	**102.0**	**92.4**	**83.9**	**86.8**	**82.6**	**86.8**	**81.9**	**75.2**	**53.2**	**Total Min./Day**
Recreational Turf Area -	0.80	0.43	0.75	24.6	33.5	41.5	40.8	37.0	33.6	34.7	33.0	34.7	32.8	30.1	21.3	Min./Day/Zone
360° Large Rotors	Number of Zones:		5	**123.2**	**167.4**	**207.3**	**204.0**	**184.8**	**167.9**	**173.6**	**165.2**	**173.6**	**163.8**	**150.5**	**106.4**	**Total Min./Day**
Recreational Turf Area -	0.80	0.60	0.75	17.7	24.0	29.7	29.2	26.5	24.1	24.9	23.7	24.9	23.5	21.6	15.3	Min./Day/Zone
MPR Medium Rotors	Number of Zones:		10	**176.6**	**240.0**	**297.1**	**292.4**	**264.9**	**240.6**	**248.9**	**236.8**	**248.9**	**234.8**	**215.7**	**152.5**	**Total Min./Day**
Recreational Turf Area -	0.80	0.45	0.75	23.6	32.0	39.6	39.0	35.3	32.1	33.2	31.6	33.2	31.3	28.8	20.3	Min./Day/Zone
MP Rotators	Number of Zones:		5	**117.8**	**160.0**	**198.0**	**195.0**	**176.6**	**160.4**	**165.9**	**157.9**	**165.9**	**156.6**	**143.8**	**101.7**	**Total Min./Day**
Low Water Use	0.30	1.50	0.81	2.5	3.3	4.1	4.1	3.7	3.3	3.5	3.3	3.5	3.3	3.0	2.1	Min./Day/Zone
Plantings - Bubblers	Number of Zones:		49	**120.2**	**163.3**	**202.2**	**199.0**	**180.3**	**163.7**	**169.4**	**161.2**	**169.4**	**159.8**	**146.8**	**103.8**	**Total Min./Day**
Low Water Use Trees -	0.30	3.00	0.81	1.2	1.7	2.1	2.0	1.8	1.7	1.7	1.6	1.7	1.6	1.5	1.1	Min./Day/Zone
Bubblers	Number of Zones:		13	**15.9**	**21.7**	**26.8**	**26.4**	**23.9**	**21.7**	**22.5**	**21.4**	**22.5**	**21.2**	**19.5**	**13.8**	**Total Min./Day**
Moderate Water Use	0.50	3.00	0.81	2.0	2.8	3.4	3.4	3.1	2.8	2.9	2.7	2.9	2.7	2.5	1.8	Min./Day/Zone
Trees - Bubblers	Number of Zones:		2	**4.1**	**5.6**	**6.9**	**6.8**	**6.1**	**5.6**	**5.8**	**5.5**	**5.8**	**5.4**	**5.0**	**3.5**	**Total Min./Day**
	Total Number of Zones:		90	626	850	1052	1036	938	852	882	839	882	832	764	540	Total Min./Day
	Total Controller Run Time in Hours:			**10.43**	**14.17**	**17.54**	**17.26**	**15.64**	**14.20**	**14.69**	**13.98**	**14.69**	**13.86**	**12.73**	**9.01**	**Total Hrs./Day**
	Total Controller Run Time in Hours (2 Zones):			**5.21**	**7.08**	**8.77**	**8.63**	**7.82**	**7.10**	**7.35**	**6.99**	**7.35**	**6.93**	**6.37**	**4.50**	**Total Hrs./Day**
				JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	

Note: **These schedules are intended only for compliance with local municipal codes and the water efficient landscape ordinance. These calculations represent the MAXIMUM REASONABLE run times and are used to ensure that all irrigation may be completed during the specific watering window allowed. These schedules do not include rainfall, site soil types, specicic exposures (shade versus sun), actual irrigation days, or specific slope position. It is solely the responsibility of the irrigation contractor to program the controller as required to apply the correct amount of irrigation water for the landscape. All smart controllers shall be programmed using the specified ET or weather sensing equipment, satellite provided ET data, soil moisture sensors, and rain shut off devices as required. Contractor shall provide a controller schedule inside the controller cabinet prior to final turnover of the project to the owner.**

I HAVE COMPLIED WITH THE CRITERIA OF THE IRRIGATION GUIDELINES AND APPLIED THEM ACCORDINGLY FOR THE EFFICIENT USE OF WATER IN THE IRRIGATION DESIGN PLAN

sweeney + associates
IRRIGATION DESIGN AND CONSULTING
38730 Sky Canyon Drive, Suite C
Murrieta, Ca 92563
e: info@sweeneyassoc.com t: (951) 461-6830
w: www.sweeneyassoc.com f: (951) 461-6850

BUREAU OF ENGINEERING — OFFICIAL RECORD

GRAPHIC SCALE
20 10 0 10 20 40
1" = 20'-0"

BID SUBMITTAL - NOT FOR CONSTRUCTION

CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS
BUREAU OF ENGINEERING

VERTICAL CONTROL:
HORIZONTAL CONTROL:

SHEET TITLE: IRRIGATION PLAN
PROJECT: RANCHO CIENEGA SPORTS COMPLEX
ADDRESS: 5001 RODEO ROAD, LOS ANGELES, CA 90016

CITY OF LOS ANGELES — DEPARTMENT OF PUBLIC WORKS — BUREAU OF ENGINEERING

GARY LEE MOORE PE · ENV SP · CITY ENGINEER
DATE:
ARCHITECTURAL DIVISION
LIC. NO. LA-5682
ARCHITECT: ZACK FREEDMAN, PLA
DESIGNED BY: HOOD DESIGN
DRAWN BY:
CHECKED BY:
APPROVED BY: MAHMOOD KARIMZADEH, A.I.A., PRINCIPAL ARCHITECT

BUILDING NO. XX/XX
RP 300094
INDEX NO. -

NO.	REVISIONS:	DATE:	BY:

LICENSED LANDSCAPE ARCHITECT — ZACK E FREEDMAN — No. 5682 — Expiration Date 05/31/18 — Renewal Date 10/31/16 — Date — STATE OF CALIFORNIA

WORK ORDER NO. E1907694
PLAN FILE NO.
DRAWING NO. LI-6.9
SHEET SHEETS OF

PLOTTED: 12/9/2016 10:11 AM

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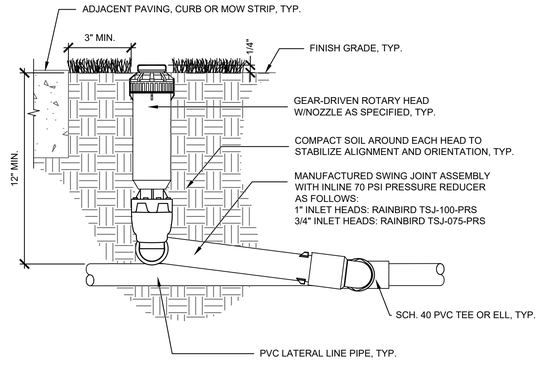
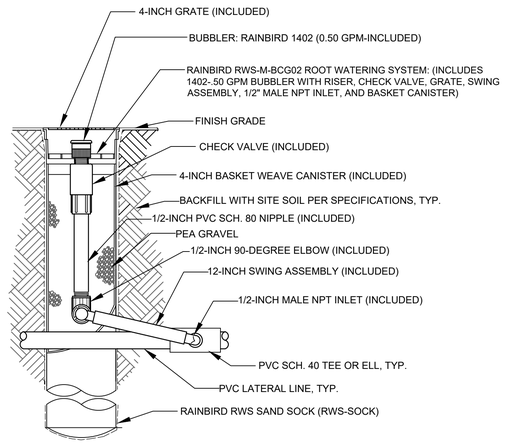
REVISION DATES (DESIGN STAGE ONLY)



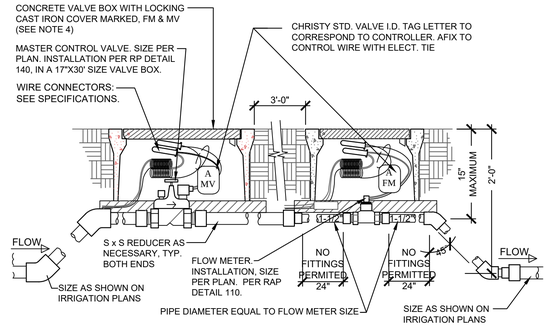
NOTES:
1. PLACE ALL HEADS 1/4" ABOVE FINISH GRADE AT INITIAL INSTALLATION. SET HEADS 3" AWAY FROM WALKS, CURBS, OR MOW STRIPS.
2. INSTALL ALL HEADS PERPENDICULAR TO FINISH GRADE.
3. THOROUGHLY FLUSH ALL LATERAL LINE PIPES TO REMOVE DIRT AND DEBRIS BEFORE INSTALLATION OF NOZZLES.
4. ADJUST ALL HEADS TO PROPER ARC AND RADIUS AS NECESSARY TO ACHIEVE PROPER COVERAGE AND UNIFORMITY. IF PROPER COVERAGE AND UNIFORMITY IS NOT ACHIEVED WITH THE SPECIFIED NOZZLE, CONTRACTOR SHALL CHANGE NOZZLE AS NEEDED IN CONSULTATION WITH LANDSCAPE ARCHITECT UNTIL DESIRED PERFORMANCE IS ACHIEVED.

REVISED: 6/14/06 RWF/SLG

E13	GEAR-DRIVEN ROTOR HEAD INSTALLATION	
N.T.S.	REFINFO	RP DETAIL 162



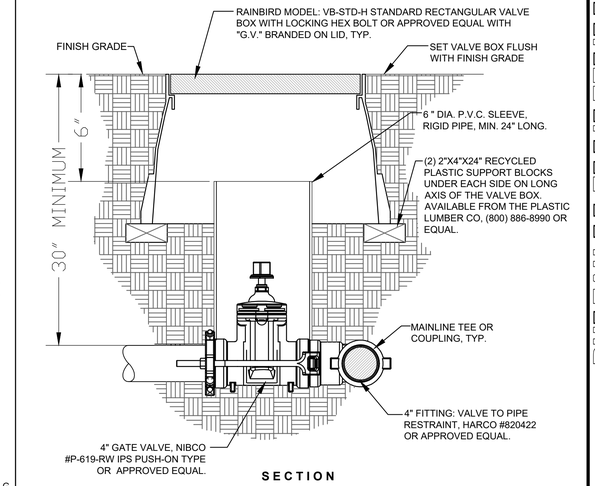
GRIDNO	ROOT WATERING SYSTEM BUBBLER ASSEMBLY	
N.T.S.	BOE VERSION Sep/07 - RF	RAP DETAIL L1660



NOTES
1. CONNECT FLOW METER LEADS TO DESIGNATED CONTROLLER WITH A BLACK AND RED #14 UF WIRE.
2. CONNECT MASTER VALVE LEADS TO DESIGNATED CONTROLLER WITH A WHITE AND BLUE # 14 UF WIRE.
3. ALL WIRE CONNECTIONS SHALL BE MADE WITH A WIRE CONNECTOR PER SPECIFICATIONS. RUN WIRE ALONG MAINLINE OR PER DETAIL L142 WHERE MAINLINE NOT AVAILABLE.
4. INSTALL VALVE BOXES PER DETAIL 140. MASTER VALVE SHALL BE INSTALLED IN AN EISEL BOX NO.666B-SPHL, BODY & STEEL COVER WITH HINGED LID, 17" X30" SIZE, EISEL ENTERPRISES INC., (714) 993-1706.

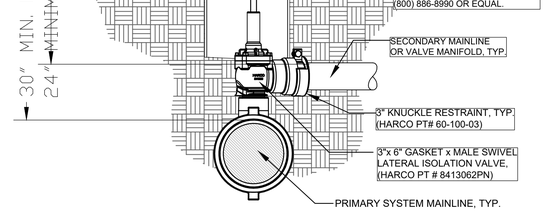
RAP VERSION 11-07-02 / PTN, RDF, JPH, RCM, SLG

XXX	FLOW METER AND MASTER VALVE	
N.T.S.	BOE VERSION Dec/07	RP DETAIL L1510



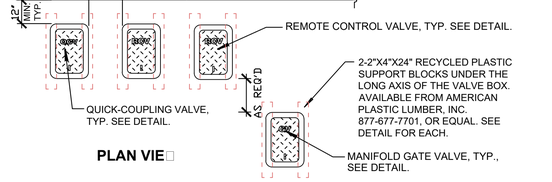
SECTION

XXX	MAINLINE ISOLATION VALVE, 3" and Larger Mainline	
N.T.S.	BOE VERSION Dec/08 - RF	RP DETAIL L1103

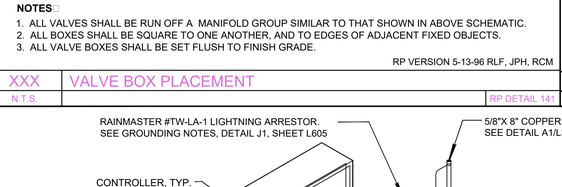


SECTION

XXX	MANIFOLD GATE VALVE, 3" and Larger Mainline	
N.T.S.	BOE VERSION Dec/08 - RF	RP DETAIL L1102



MANI□OLD GROUP SC□EMATIC
(SEE VALVE MANIFOLD DETAIL)

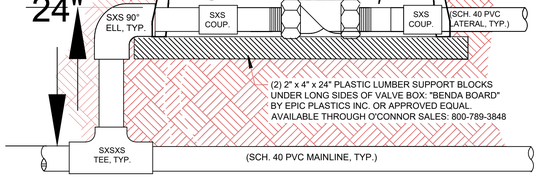


PLAN VIE□

NOTES
1. ALL VALVES SHALL BE RUN OFF A MANIFOLD GROUP SIMILAR TO THAT SHOWN IN ABOVE SCHEMATIC.
2. ALL BOXES SHALL BE SQUARE TO ONE ANOTHER, AND TO EDGES OF ADJACENT FIXED OBJECTS.
3. ALL VALVE BOXES SHALL BE SET FLUSH TO FINISH GRADE.

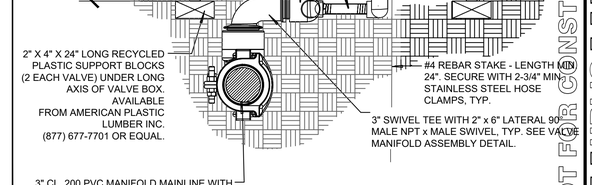
RP VERSION 5-13-96 RLF, JPH, RCM

XXX	VALVE BOX PLACEMENT	
N.T.S.		RP DETAIL 141



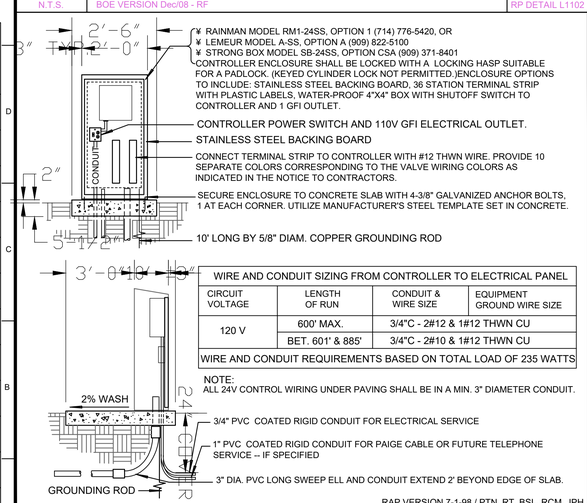
NOTES:
1.) ALL PIPE AND FITTINGS SHALL BE SCHEDULE 40 PVC UNLESS NOTED.

J5	RCV INSTALLATION DETAIL 2-WIRE SYSTEM	
N.T.S.		RP DETAIL 140



VERSION 01-11-10 RWF

XXX	MAINLINE ISOLATION VALVE, 3" and Larger Mainline	
N.T.S.	BOE VERSION Dec/08 - RF	RP DETAIL L1103

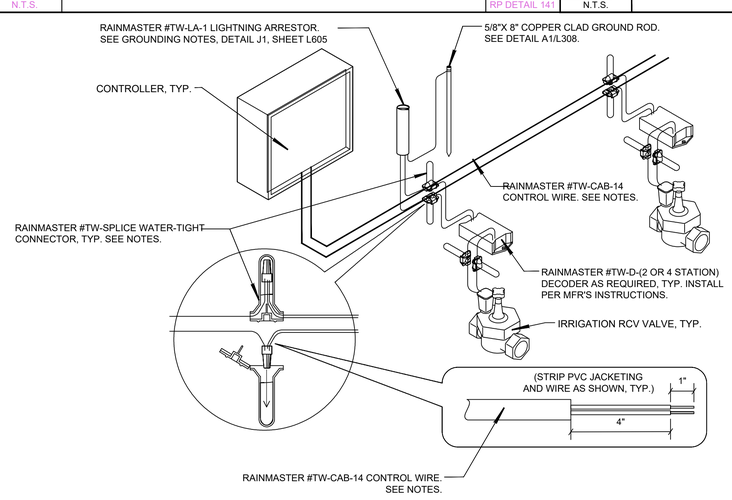


WIRE AND CONDUIT SIZING FROM CONTROLLER TO ELECTRICAL PANEL			
CIRCUIT VOLTAGE	LENGTH OF RUN	CONDUIT & WIRE SIZE	EQUIPMENT GROUND WIRE SIZE
120 V	600' MAX.	3/4"C - 2#12 & 1#12 THWN CU	
	BET. 601' & 885'	3/4"C - 2#10 & 1#12 THWN CU	
WIRE AND CONDUIT REQUIREMENTS BASED ON TOTAL LOAD OF 235 WATTS			

NOTE:
ALL 24V CONTROL WIRING UNDER PAVING SHALL BE IN A MIN. 3" DIAMETER CONDUIT.

RAP VERSION 7-1-98 / PTN, RT, BSL, RCM, JPH

GRIDNO	CONTROLLER AND ENCLOSURE	
N.T.S.	BOE VERSION Jan/07	RAP DETAIL L1470



□IRING NOTES□

□□CONTROL □IRE S□ALL □E RAINMASTER □T□ CA□□□□OR APPROVED E□UAL□POLYET□YLENE DOU□LE□ACKETED OR U□□□ UL PVC DOU□LE□ □ACKETED T□□O□CONDUCTOR SOLID CORE DESIGNED □OR DIRECT BURIAL WITH INSULATION 3/16 INCH (.060Ó) THICK, HIGH DENSITY, SUNLIG□T RESISTANT INCASED IN AN OUTER □ACKET O□ POLYET□YLENE OR PVC CON□ORMING TO ICEA S GL□□□ OR NEMA □ C□□ □AVING A MINIMUM □ALL T□ICKNESS O□□□□INC□ES□□T□O□□ IRE POLYETHYLENE ÒTWISTEDÓ CABLE OR SINGLE STRAND 14-GAUGE PVC IRRIGATION □IRE DOES NOT CON□ORM TO T□ESE SPECI□ICATIONS AND □ILL NOT □E ACCEPTED□□

□□ALL □ IRE INSULATION S□ALL □E INTACT AND □REE O□NICKS AND CUTS

□□□ ATTAC□ING DECODERS□

¥ TWIST WIRES TO PROVIDE A SOLID MECHANICAL CONNECTION □E□ORE SECURING T□E ATTAC□MENT □Y ADDING T□E □ IRE NUT□

¥ RAINMASTER #TW-SPLICE-14 OR APPROVED EQUAL (SURESPLICE®) GEL □ILLED CONNECTORS □OR SIMILAR□S□ALL □E USED ON ALL CONNECTIONS□

¥ GREASE FILLED WIRE NUTS WILL NOT BE ACCEPTED.

¥ TEST ALL CONNECTIONS BEFORE IMMERSING THE WIRE NUT IN THE GEL□□ILLED CAP□

¥ ADHERE TO ALL LOCAL AND NATIONAL BUILDING AND ELECTRICAL CODES□

¥ CONTRACTOR SHALL GUARANTEE ALL WIRE CONNECTIONS TO BE A□SOLUTELY □ATER TIG□T□

□□ALL E□UIPMENT S□ALL □E INSTALLED PER T□E MANU□ACURER'S SPECI□ICATIONS□

J9	2-WIRE IRRIGATION SYSTEM WIRING (RAINMASTER OR EQUAL)	
N.T.S.		

GRIDNO	QUICK COUPLING VALVE INSTALLATION DETAIL	
N.T.S.	REFINFO	RP DETAIL L1104

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REVISION DATES (DESIGN STAGE ONLY)

CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS BID SUBMITTAL - NOT FOR CONSTRUCTION

ENGINEERING
CITY OF LOS ANGELES

NO.	REVISIONS:	DATE:	BY:

BUILDING NO. XX/XX

RP 300094

INDEX NO. -

LICENSED LANDSCAPE ARCHITECT
JACOB D FREEDMAN
No. 5582
05/31/18
Renewal Date
Expires
Date
STATE OF CALIFORNIA

VERTICAL CONTROL:
HORIZONTAL CONTROL:

SHEET TITLE: IRRIGATION DETAILS

PROJECT: RANCHO CIENEGA SPORTS COMPLEX

ADDRESS: 5001 RODEO ROAD LOS ANGELES, CA 90016

CITY ENGINEER
DATE:

GARY LEE MOORE PE ENV SP
ARCHITECTURAL DIVISION
LIC. NO. LA-5582
DATE: 12/31/2016

ARCHITECT: ZACK FREEDMAN, PLA
DESIGNED BY: HOOD DESIGN
DRAWN BY:
CHECKED BY:
APPROVED BY: MAHMOOD KARIMZADEH, A.I.A., PRINCIPAL ARCHITECT

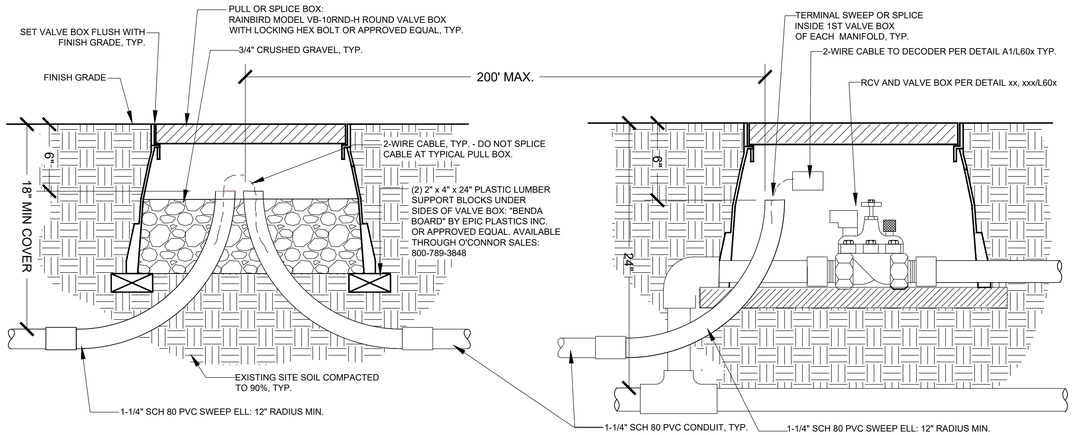
WORK ORDER NO. E1907694

PLAN FILE NO.

DRAWING NO. LI-6.10

SHEET OF SHEETS

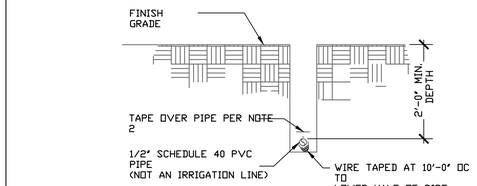
PLOTTED: 12/9/2016 10:11 AM



SECTION

NOTES:
1.) ALL CONDUIT AND FITTINGS SHALL BE SCHEDULE 80 PVC. CHANGES IN DIRECTION OF CONDUIT PATH SHALL NOT EXCEED 360¼ FOR EACH SECTION BETWEEN PULL BOXES.
2.) MAXIMUM DISTANCE BETWEEN PULL BOXES SHALL BE 200 FEET.

J1	2-WIRE CONDUIT INSTALLATION
N.T.S.	



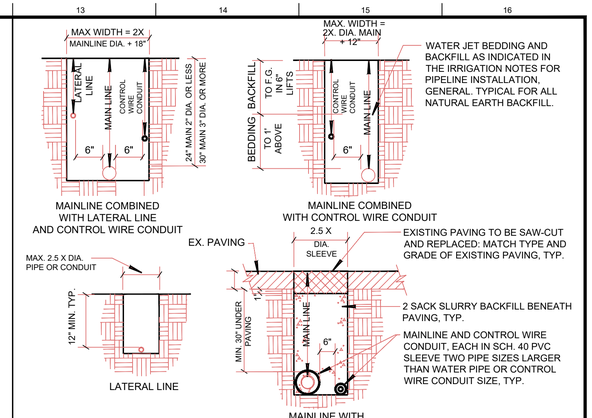
SECTION

NOTES:

1. SOLVENT WELD ALL JOINTS. PRIMER NOT REQUIRED.
2. MARK LOCATION OF PIPE AND WIRE WITH A CONTINUOUS ALUMINUM BACKED, 3 INCH WIDE RED, UNLABELED TAPE, INSTALLED ABOVE PIPE, AS MANUFACTURED BY "TERRA-TAPE/GRIFFOLYN CO. (800) 231-2417 OR APPROVED EQUAL.
3. SHOW ALIGNMENT OF ALL CONTROL WIRE NOT INSTALLED WITH MAINLINE ON AS-BUILT DRAWINGS.

BOE VERSION 03/01/92 JPH

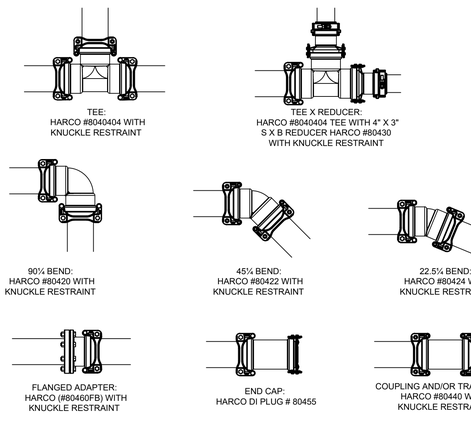
XXX	CONTROL WIRE WITH OUT MAINLINE	
N.T.S	REFINFO	RP DETAIL L1420



NOTE
PIPE AND CONTROL WIRE CROSSING A VEHICULAR ROAD MAY BE SLEEVED AS INDICATED ABOVE. PIPE BEDDING AND BACKFILL SHALL BE SAND FREE WATER TESTED TO ACHIEVE PROPER DENSIFICATION. SEE IRRIGATION NOTES FOR PIPELINE INSTALLATION GENERAL NOTES OR TRENCHING REQUIREMENTS.

RAP VERSION 6-5-98 / RCM, JPH

E1	IRRIGATION TRENCHING DETAIL	
N.T.S.	BOE VERSION Dec/08	RP DETAIL L1350



NOTE: ADDITIONAL PIPE FITTING CONFIGURATIONS MAY BE NECESSARY TO COMPLETE WORK AS SHOWN ON PLANS DUE TO UNFORSEEN SITE CONDITIONS. CONSULT MANUFACTURER FOR ADDITIONAL INFORMATION. USE KNUCKLE RESTRAINT ON FITTINGS WHERE DESIGNATED.

XXX	RESTRAINED FITTINGS FOR 4" MAINLINE	
N.T.S.	BOE VERSION Dec/08 - RF	RP DETAIL L1313

MAINLINE PIPE FITTINGS

DUCTILE IRON FITTINGS SHALL BE REQUIRED FOR ALL MAINLINE FITTINGS CONSTANT PRESSURE FOR 4" OR LARGER PIPE UNDER THE FOLLOWING CONDITIONS:

A) AS SHOWN ON OTHER DETAILS INCLUDED WITH THESE PLANS AND SPECIFICATIONS.

B) AT ALL DIRECTIONAL FITTINGS SUCH AS TEES, ELBOWS, ETC AND REDUCERS ADAPTERS AND COUPLINGS AS NOTED OR DETAILED.

C) DUCTILE IRON FITTINGS SHALL BE A "PUSH ON" TYPE OR IPS SIZED PVC PIPE BY MARCO FITTINGS [illegible] OR APPROVED EQUAL CONTACT BRIAN BURLEY [illegible]

D) ALL GASKETED PVC PIPE JOINTS WITHIN 10' OF DUCTILE IRON DIRECTIONAL FITTINGS SHALL BE RESTRAINED USING PIPE TO PIPE RESTRAINTS ON 4" OR END CAPS AND TERMINAL GATE VALVES. ALL GASKETED PVC PIPE JOINTS WITHIN 10' SHALL BE RESTRAINED USING PIPE TO PIPE RESTRAINTS ON 4" REFER TO MANUFACTURERS FITTING RESTRAINT GUIDE FOR ADDITIONAL INFORMATION.

E) ALL BOLTS ON FITTING RESTRAINTS SHALL BE TIGHTENED USING A TORQUE WRENCH ONLY FOLLOWING THE MANUFACTURERS SPECIFICATIONS. THE CONTRACTOR SHALL BE PREPARED TO VERIFY THE TORQUE OF THE BOLTS AT A TORQUE WRENCH IN THE PRESENCE OF THE CA INSPECTOR AND SHALL HAVE A TORQUE WRENCH AVAILABLE ON SITE UNTIL FOR ACCEPTANCE.

F) GLUED JOINTS SHALL NOT BE USED IN ANY MAINLINE PVC FITTINGS OR PIPE 4" OR LARGER IN DIAMETER UNLESS SPECIFICALLY DENOTED ON PLANS OR DETAILS INCLUDED IN THIS DRAWING SET.

G) THRUST BLOCKS SHALL NOT BE USED OR ANY MAINLINE FITTINGS UNLESS SPECIFICALLY DESIGNATED IN PLANS OR DETAILS.

NOTE:
INSTALL SPRAY HEADS 4" FROM PAVING EDGE IN TURF AREAS.
INSTALL SPRAY HEADS 6" FROM PAVING EDGE IN SHRUB AND GROUND COVER AREAS.
INSTALL SPRAY HEADS 12" FROM THE FACE OF BUILDING WALLS OR WINDOWS.

INSTALL SPRAY HEADS PLUMB. ADJUST NOZZLE STREAM TO COVER THE LANDSCAPE AREA WITHOUT OVERSPRAY ONTO PAVING, FENCES, WALLS OR BUILDINGS.

SECTION VIEW - N.T.S.
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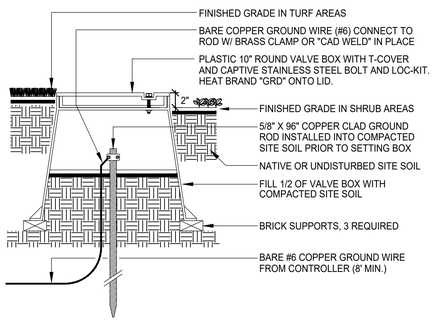
Ⓐ POP-UP SPRAY HEAD



NOTE:
A MINIMUM OF ONE GROUND ROD SHALL BE INSTALLED PER CONTROLLER. SEE LEGEND, DETAILS AND SPECIFICATIONS FOR ADDITIONAL GROUNDING REQUIREMENTS.

SECTION VIEW - N.T.S.
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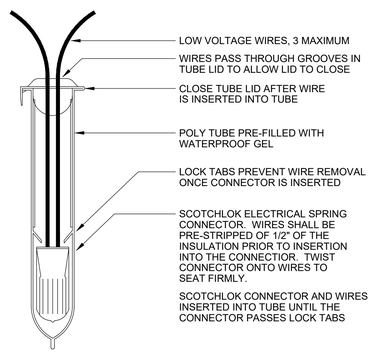
Ⓜ GROUND ROD INSTALLATION



NOTE:
WIRE CONNECTOR SHALL BE A 3M DBR/Y-6 DIRECT BURY SPLICE KIT (U.L. APPROVED).

KIT SHALL INCLUDE A SCOTCHLOK Y SPRING CONNECTOR, A POLYPROPYLENE TUBE AND A WATERPROOF SEALING GEL. TUBE SHALL BE SUPPLIED PREFILLED WITH GEL.

DIRECT BURY SPLICE KIT SHALL BE USED TO ELECTRICALLY CONNECT 2 - 3 #14 OR 2 #12 PRE-STRIPPED COPPER WIRES. LARGER WIRES OR GREATER QUANTITIES OF WIRES SHALL REQUIRE A LARGER APPROVED WIRE CONNECTION.

SECTION VIEW - N.T.S.
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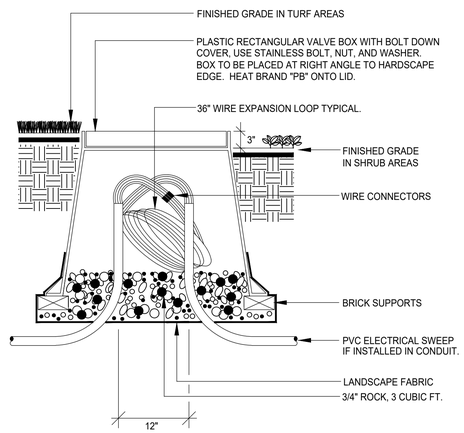
Ⓣ WIRE CONNECTIONS



SECTION VIEW - N.T.S.
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Ⓢ PULL-BOX INSTALLATION

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ENGINEERING
CITY OF LOS ANGELES

NO.	REVISIONS:	DATE:	BY:

BUILDING NO. XX/XX

RP 300094

INDEX NO. -

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GARY LEE MOORE PE ENV SP CITY ENGINEER
ARCHITECTURAL DIVISION
ARCHITECT: ZACK FREEDMAN, PLA LIC. NO. LA-5582
DESIGNED BY: HOOD DESIGN
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CHECKED BY:
APPROVED BY: MAHMOOD KARIMZADEH, A.I.A., PRINCIPAL ARCHITECT
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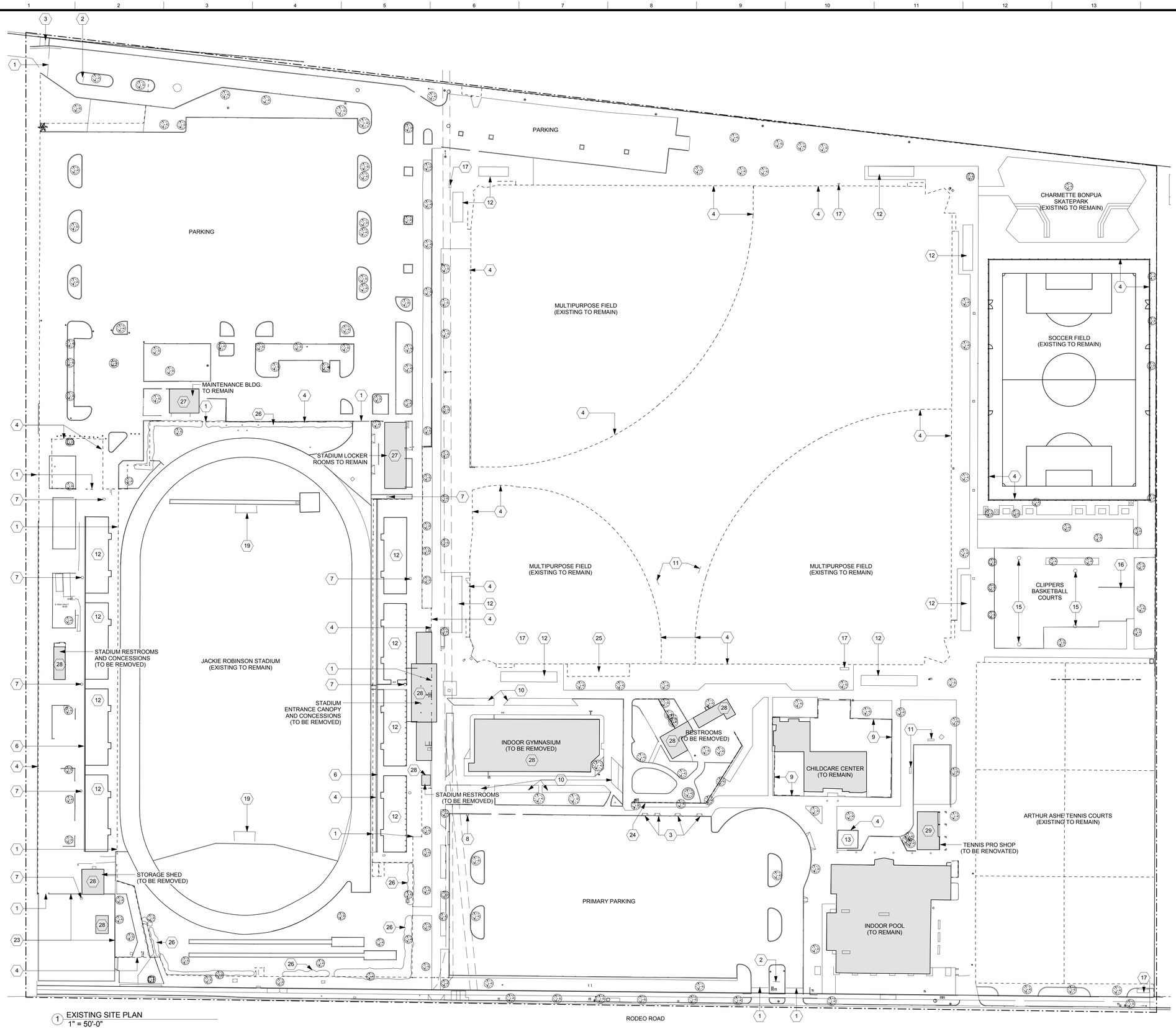
REVISION DATES:
(DESIGN STAGE ONLY)



1 EXISTING SITE PLAN
1" = 50'-0"

EXISTING SITE PLAN KEYNOTES

1. GATE
2. SIGN
3. ADA RAMP
4. CHAINLINK FENCE
5. PLANTER
6. METAL GRATE
7. STADIUM LIGHT WITH CONCRETE BASE
8. ELECTRIC CAR CHARGING STATION
9. IRON FENCE
10. CONCRETE ABUTMENT
11. BENCH
12. BLEACHER
13. EXISTING TRANSFORMER
14. ELECTRICAL VAULT
15. BASKETBALL HOOP
16. TENNIS BACKBOARD WALL
17. ELECTRICAL CABINET
18. SCOREBOARD
19. FIELD GOAL POST
20. CONCRETE CURB
21. DRIVEWAY
22. CURB CUT
23. BLOCK WALL
24. TRELLIS
25. BATTING CAGE
26. SHRUB
27. EXISTING STRUCTURE
28. TO BE DEMOLISHED
29. TO BE RENOVATED

GENERAL NOTES:

1. SEE CIVIL DRAWINGS C-XXX FOR SITE DEMOLITION SCOPE

THE CITY OF LOS ANGELES OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF ELECTRONIC COPIES OF THIS PLAN SHEET.

TEMPLATE SHEET REVISION DATE: 08/2014
REVISION DATE: 10/24/2016 5:30 PM FILE: Z:\14-018 RANCHO CIENEGA SPORTS COMPLEX\DRAWINGS\REVITLINKS-AUTOCAD\BOE_TITLEBLOCK_CD_90PERCENT.DWG

REVISION DATES
(DESIGN STAGE ONLY)

BUREAU OF ENGINEERING
ENGINEERING
CITY OF LOS ANGELES

NO.	REVISIONS:	DATE:	BY:

BUILDING NO.

INDEX NO. RP 300094

LICENSED ARCHITECT
JOHN E. PALI
C-19741
5/31/2017
RENEW
STATE OF CALIFORNIA

BID SET SUBMITTAL

CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS

GARY LEE MOORE, PE, ENV SP CITY ENGINEER DATE:
ARCHITECTURAL DIVISION
ARCHITECT: ZOLTAN E. PALI, FAIA LIC. NO. C-19741
DESIGNED BY: ZEP
DRAWN BY: AOS
CHECKED BY: SM
APPROVED BY: MAHMOOD KARIMZADEH, A.I.A., PRINCIPAL ARCHITECT

VERTICAL CONTROL:
HORIZONTAL CONTROL:

SHEET TITLE: EXISTING SITE PLAN

PROJECT: RANCHO CIENEGA SPORTS COMPLEX

ADDRESS: 5001 RODEO ROAD
LOS ANGELES, CA 90016

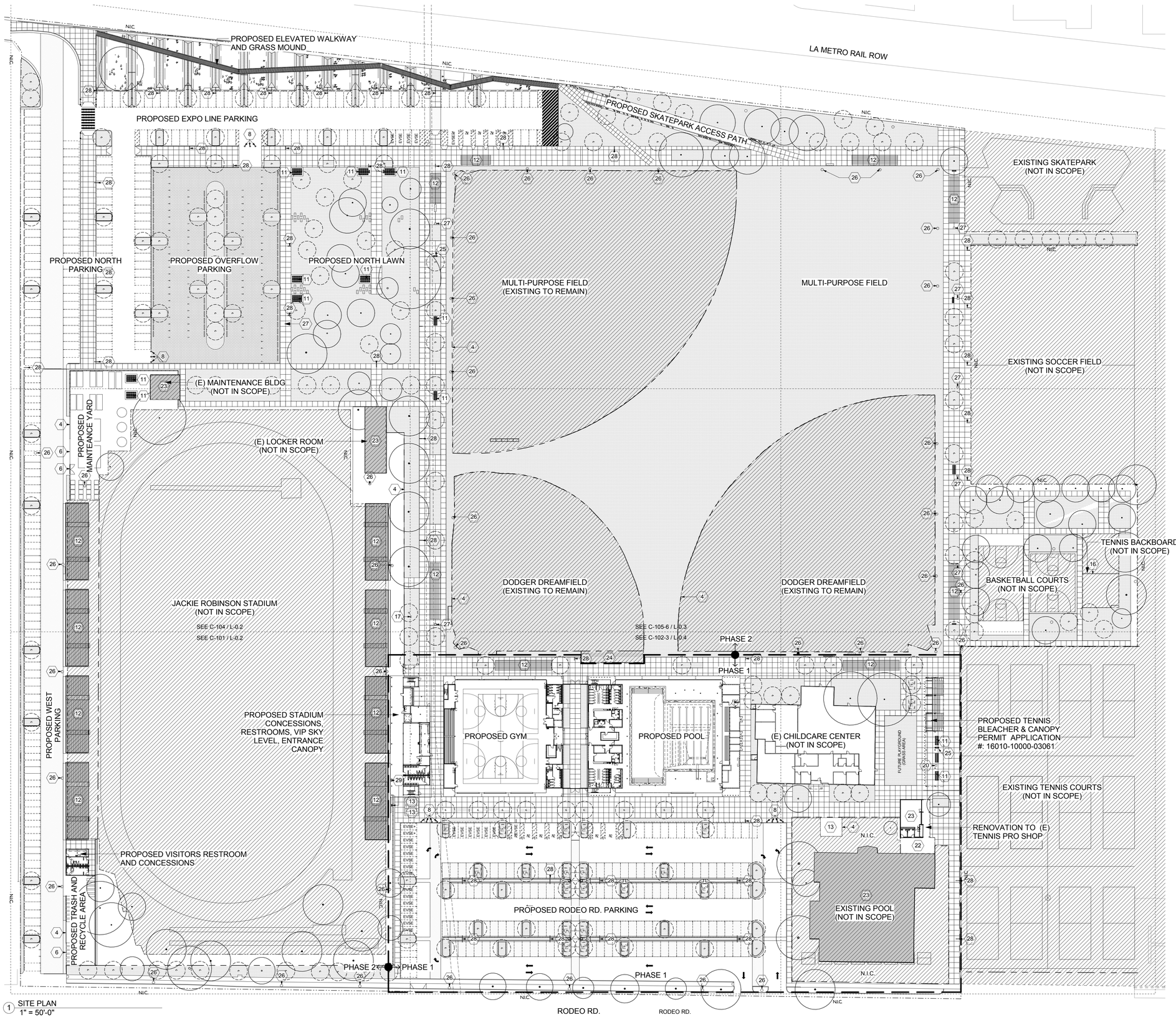
WORK ORDER NO.
E1907694

PLAN FILE NO.

DRAWING NO.
A-100

SHEET OF SHEETS

PLOTTED: 12/22/2016 4:18:14 PM



1 SITE PLAN
1" = 50'-0"

SITE PLAN KEYNOTES

1. EXISTING GATE TO REMAIN
2. OMMITED
3. ADA RAMP
4. (E) CHAINLINK FENCE TO REMAIN
5. PLANTER
6. METAL GRATE
7. STADIUM LIGHT WITH CONCRETE BASE
8. BOLLARD
9. IRON FENCE
10. CONCRETE ABUTMENT
11. SITE BENCH / TABLE - SEE LANDSCAPE
12. BLEACHER: REMOVE, STORE, REPAIR, AND REINSTALL
13. EXISTING TRANSFORMER TO BE REMOVED
14. ELECTRICAL VAULT
15. BASKETBALL HOOP
16. RACKETBALL WALL
17. ELECTRICAL CABINET
18. SCOREBOARD
19. FIELD GOAL POST
20. WASTE RECEPTACLE
21. DRIVEWAY
22. EXISTING HARDSCAPE TO REMAIN
23. EXISTING BUILDING TO REMAIN
24. EXISTING BATTING CAGE
25. SITE DRINKING FOUNTAIN
26. (E) LIGHT POLE TO REMAIN
27. (E) LIGHT POLE TO BE REMOVED
28. (N) LIGHT POLE
29. (E) LIGHT POLE TO BE RELOCATED

SITE LEGEND

- SITE BENCH, SEE LANDSCAPE
- SITE LIGHT FIXTURE
- SITE BENCH, SEE LANDSCAPE
- EVSE ELECTRIC VEHICLE SUPPLY EQUIP
- EVSE+ HI-POWER ELECTRIC VEHICLE SUPPLY EQUIP
- EXISTING TREE TO REMAIN
- NEW TREE , SEE LANDSCAPE DWGS

N

BUREAU OF ENGINEERING OFFICIAL RECORD

BID SET SUBMITTAL

CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS
VERTICAL CONTROL:
HORIZONTAL CONTROL:
SHEET TITLE: SITE PLAN
PROJECT: RANCHO CIENEGA SPORTS COMPLEX
ADDRESS: 5001 RODEO ROAD LOS ANGELES, CA 90016

WORK ORDER NO. E1907694
PLAN FILE NO.
DRAWING NO. A-101
SHEET OF SHEETS

BUREAU OF ENGINEERING
GARY LEE MOORE, PE, ENV SP CITY ENGINEER
ARCHITECTURAL DIVISION
ARCHITECT: ZOLTAN E. PALI, FAIA LIC. NO. C-19741
DESIGNED BY: ZEP DATE:
DRAWN BY: AOS
CHECKED BY: SM
APPROVED BY: MAHMOOD KARIMZADEH, A.I.A., PRINCIPAL ARCHITECT

NO. REVISIONS: DATE: BY:

BUILDING NO.

RP 300094
INDEX NO.

LICENSED ARCHITECT ZOLTAN E. PALI C-19741 5/31/2017 STATE OF CALIFORNIA

PLOTTED: 12/22/2016 4:18:21 PM

REVISION DATES (DESIGN STAGE ONLY)

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REVISION DATE: 10/24/2016 5:30 PM FILE: Z:\14-016 RANCHO CIENEGA SPORTS COMPLEX\DRAWINGS\REVIT\LINKS-AUTOCAD\BOE_TITLEBLOCK_CD_80PERCENT.DWG

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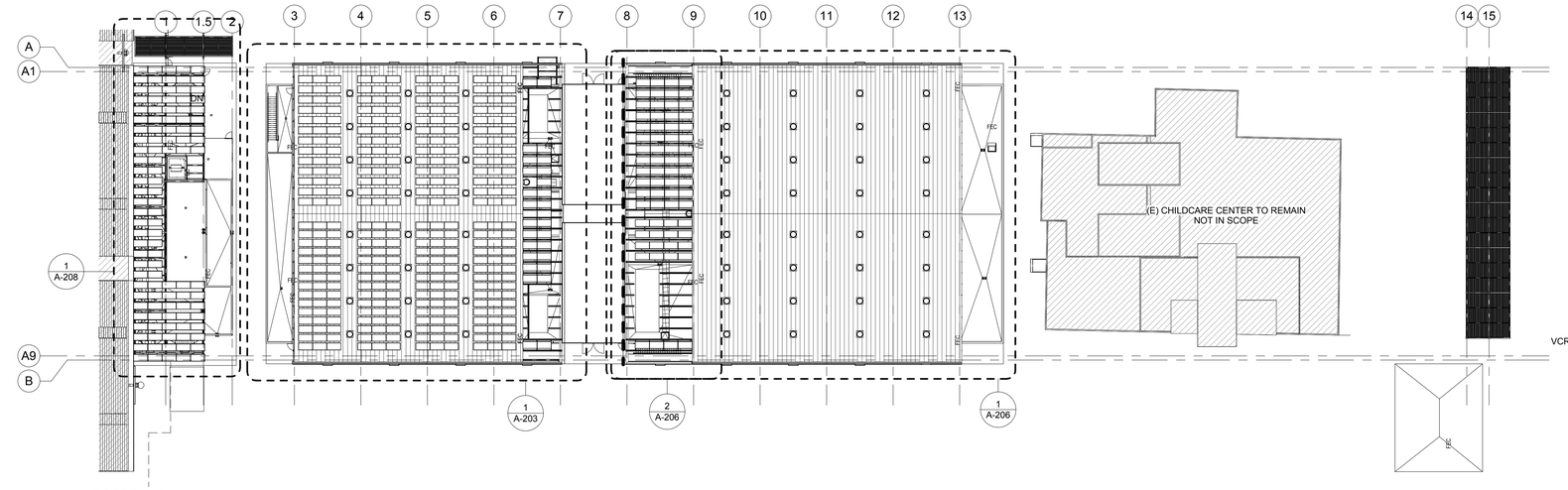
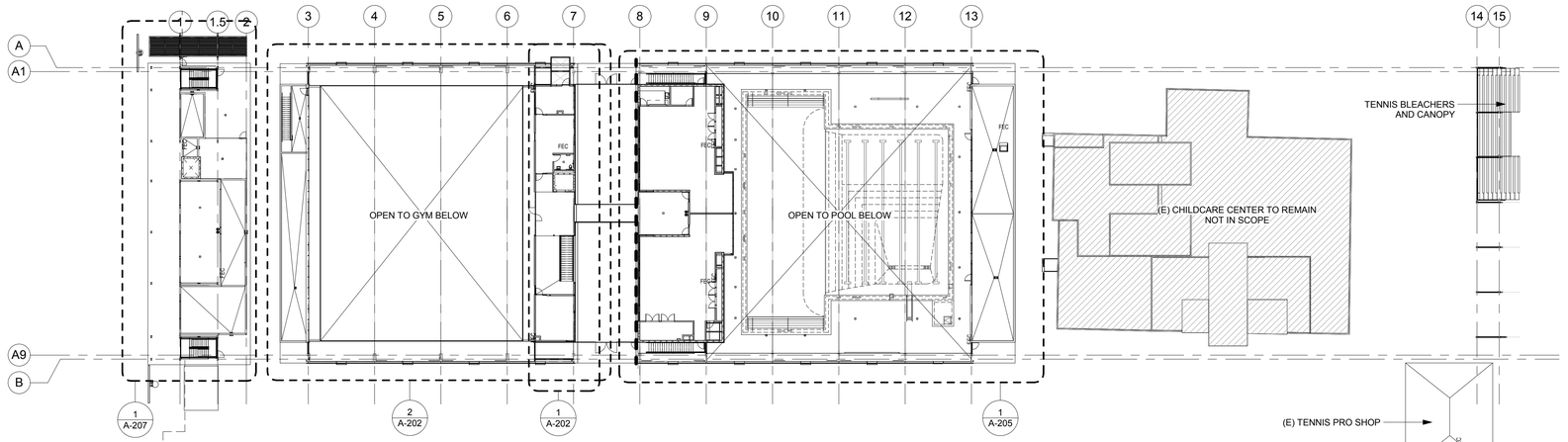
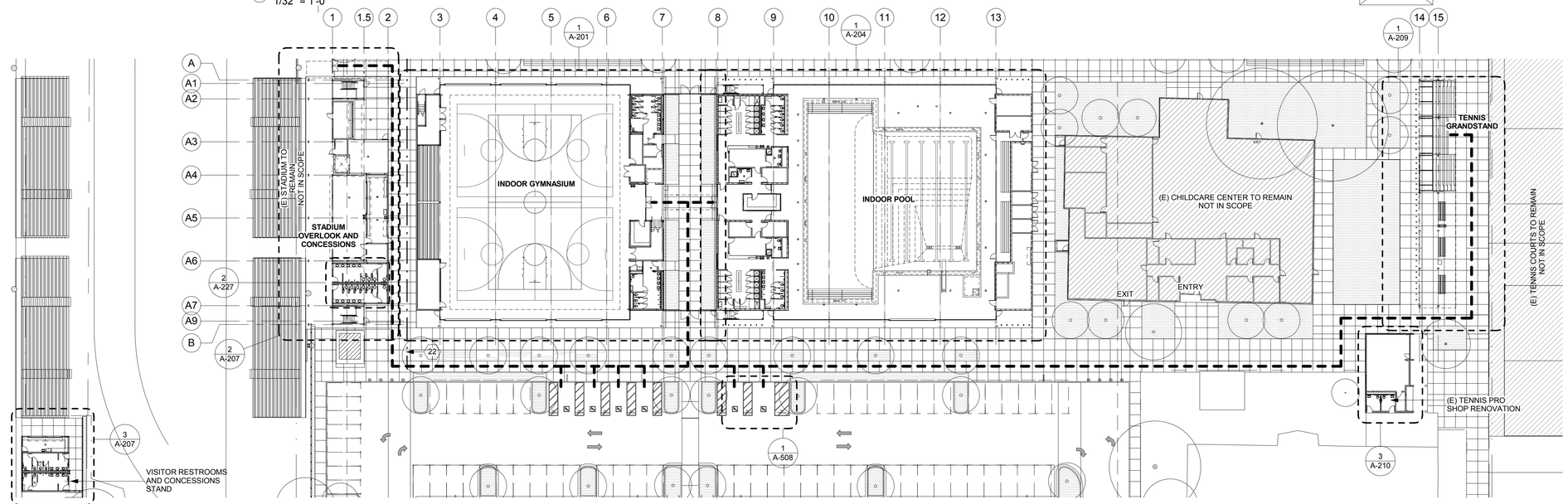


3 ROOF PLAN
1/32" = 1'-0"



2 MEZZANINE LEVEL PLAN
1/32" = 1'-0"



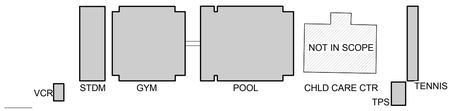
1 GROUND LEVEL PLAN
1/32" = 1'-0"

GENERAL NOTES

1. KEYNOTES ARE SPECIFIC TO THE DRAWING SECTION IN WHICH THEY RESIDE.
2. ALL DIMENSIONS ARE TO FACE OF FINISH UNLESS OTHERWISE NOTED.
3. DO NOT SCALE FROM DRAWINGS. ANY INCONSISTENCIES OR UNFORESEEN CONDITIONS TO BE REVIEWERED BY THE ARCHITECT PRIOR TO PROCEEDING WITH CONSTRUCTION
4. GRID REFERENCES AND DIMENSIONS ARE INDICATED FOR REFERENCE ONLY
5. SEE SHEET A-920/A-921/A-922/A-923 FOR WINDOW SCHEDULE.
6. PROVIDE ANTI-GRAFFITI COATING @ ALL EXTERIOR WALLS. AGC TO BE APPLIED TO TOP OF FIRST FLOOR WALLS. SEE SECTION 09 86 00
7. ALL EXPOSED STEEL (EXTERIOR AND INTERIOR) TO BE PAINTED W/ HIGH PERFORMANCE COATING.
8. SEE A-300 FOR PEMB DESIGN/BUILD SCOPE

ACCESSIBLE PATH OF TRAVEL

KEY PLAN



BID SET SUBMITTAL

CITY OF LOS ANGELES
DEPARTMENT OF PUBLIC WORKS
BUREAU OF ENGINEERING
ENGINEERING
CITY OF LOS ANGELES

NO.	REVISIONS:	DATE:	BY:

BUILDING NO.

INDEX NO.

RP 300094

LICENSED ARCHITECT
ZOLTAN E. PALL
C-19741
5/31/2017
STATE OF CALIFORNIA

CITY ENGINEER
DATE:

GARY LEE MOORE, PE, ENV SP
ARCHITECTURAL DIVISION

ARCHITECT: ZOLTAN E. PALL FAIA — LIC. NO. C-19741
DESIGNED BY: ZEP
DRAWN BY: AOS
CHECKED BY: SM
APPROVED BY: MAHMOOD KARIMZADEH, A.I.A., PRINCIPAL ARCHITECT

VERTICAL CONTROL:
HORIZONTAL CONTROL:

SHEET TITLE: OVERALL FLOOR PLANS

PROJECT: RANCHO CIENEGA SPORTS COMPLEX

ADDRESS: 5001 RODEO ROAD
LOS ANGELES, CA 90016

WORK ORDER NO.
E1907694

PLAN FILE NO.

DRAWING NO.
A-200

SHEET OF SHEETS

PLOTTED: 12/22/2016 4:18:35 PM

REVISION DATES
[DESIGN STAGE ONLY]

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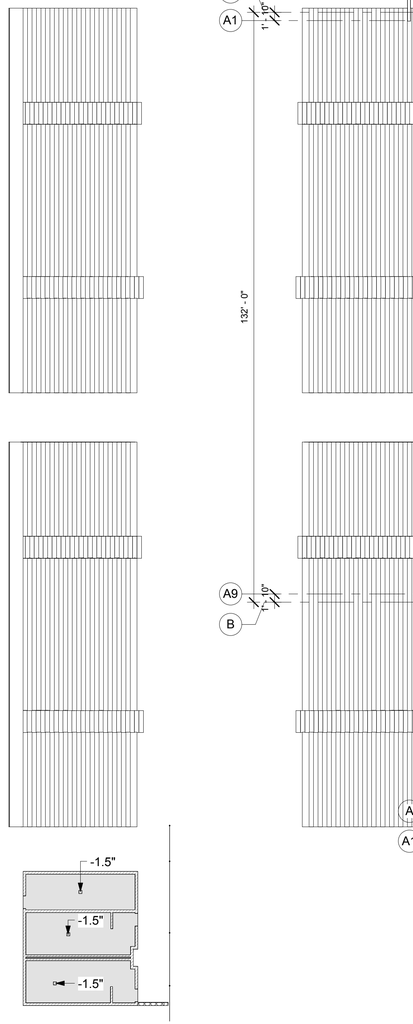
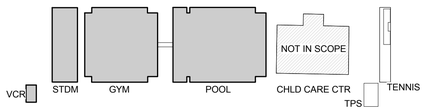
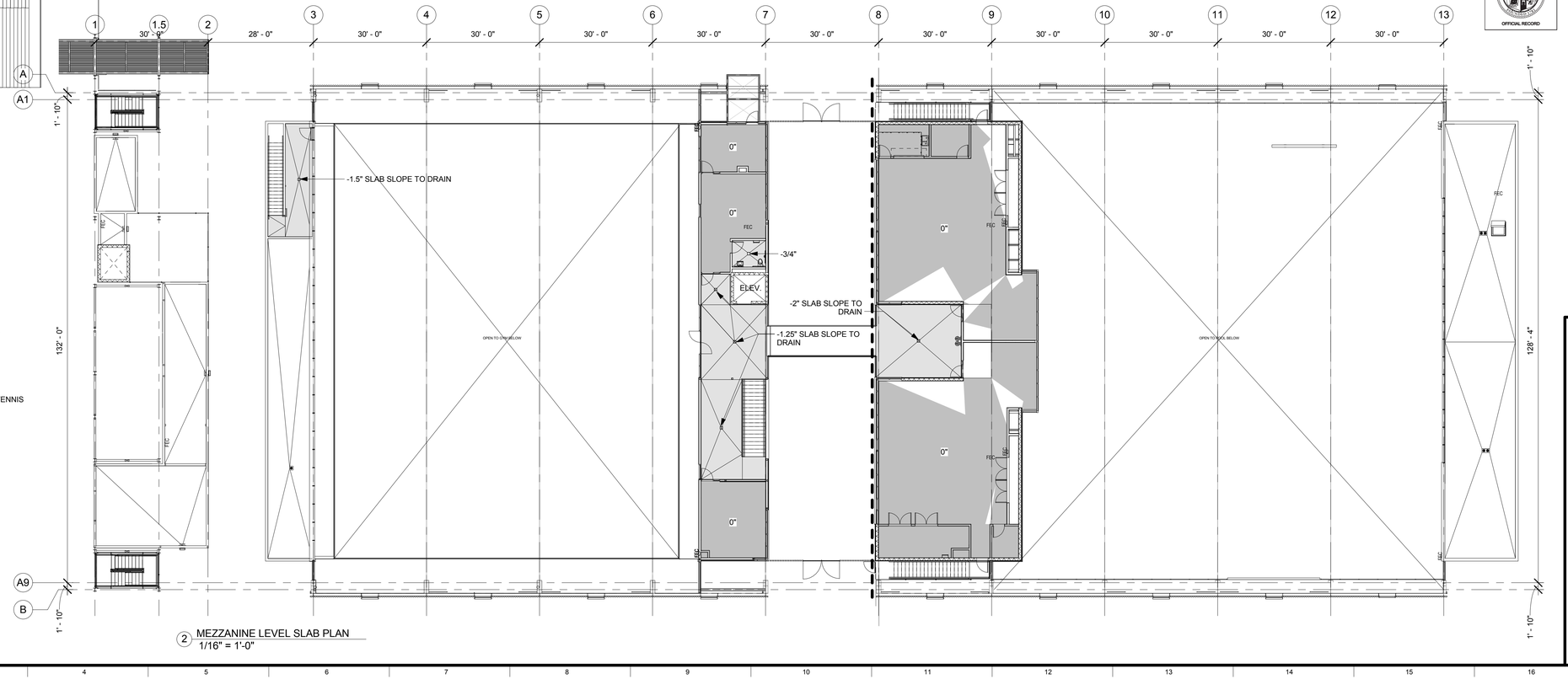
TEMPLATE SHEET REVISION DATE: 08/2014
REVISION DATE: 10/24/2016 5:30 PM FILE: Z:\14-018 RANCHO CIENEGA SPORTS COMPLEX\DRAWINGS\REVITLINKS\AUTOCAD\BOE_TITLEBLOCK_CD_90PERCENT.DWG



1 GROUND LEVEL SLAB PLAN
1/16" = 1'-0"

KEY PLAN





2 MEZZANINE LEVEL SLAB PLAN
1/16" = 1'-0"

BUREAU OF ENGINEERING
OFFICIAL RECORD

BID SET SUBMITTAL

CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS BUREAU OF ENGINEERING

ENGINEERING
CITY OF LOS ANGELES

NO.	REVISIONS:	DATE:	BY:

BUILDING NO.

INDEX NO. RP 300094

LICENSED ARCHITECT
ZOLTAN E. PALI
C-19741
5/31/2017
RENEWAL
STATE OF CALIFORNIA

CITY OF LOS ANGELES
VERTICAL CONTROL:
HORIZONTAL CONTROL:

SHEET TITLE: SLAB PLAN

PROJECT: RANCHO CIENEGA SPORTS COMPLEX
ADDRESS: 5001 RODEO ROAD
LOS ANGELES, CA 90016

GARY LEE MOORE, PE, ENV SP CITY ENGINEER
ARCHITECTURAL DIVISION
LIC. NO. C-19741 DATE:

ARCHITECT: ZOLTAN E. PALI, FAIA
DESIGNED BY: ZEP
DRAWN BY: AOS
CHECKED BY: SM
APPROVED BY: MAHMOOD KARIMZADEH, A.I.A., PRINCIPAL ARCHITECT

WORK ORDER NO. E1907694
PLAN FILE NO.
DRAWING NO. A-200.1
SHEET OF SHEETS

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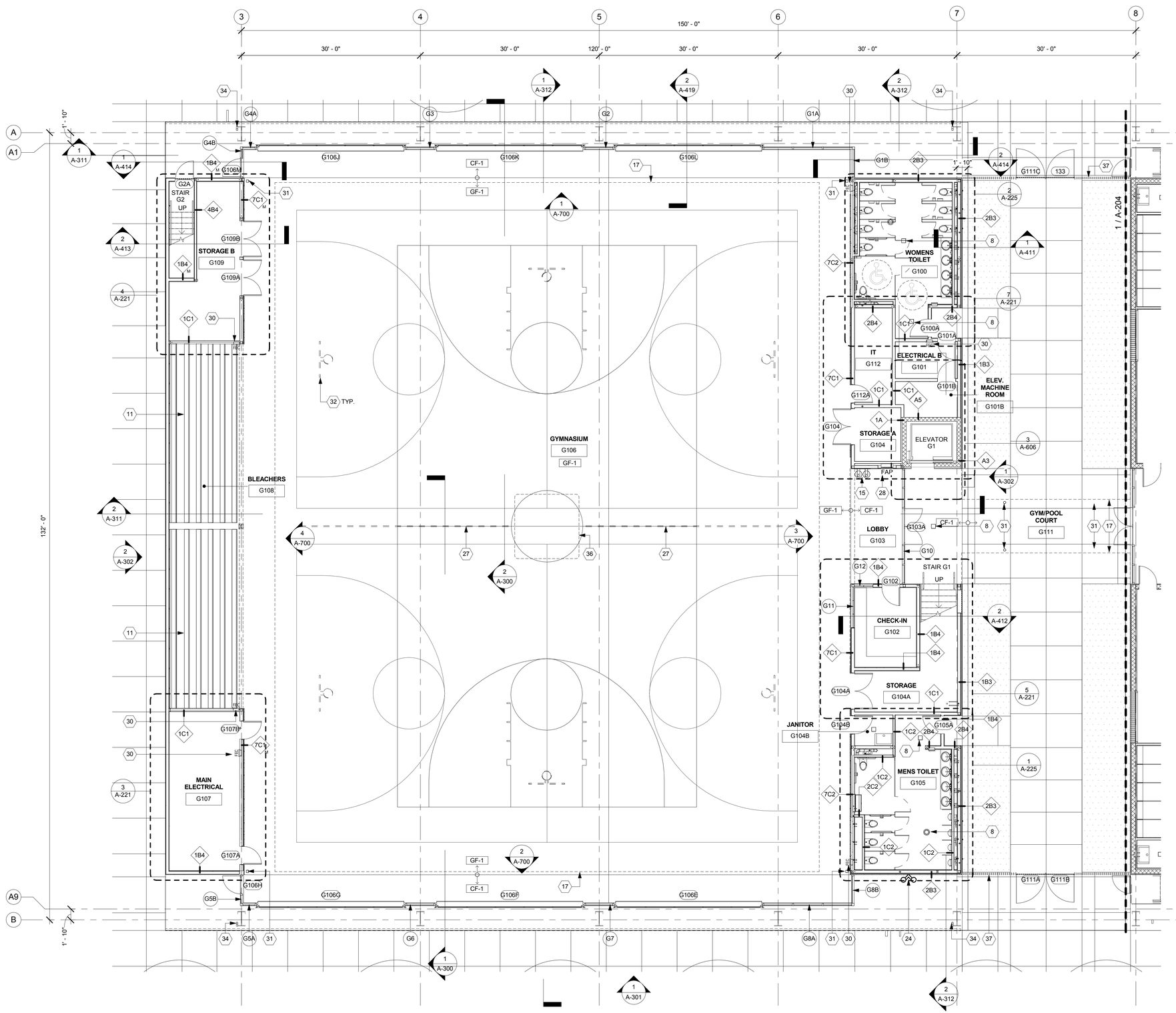
REVISION DATES (DESIGN STAGE ONLY)



1 GROUND LEVEL PLAN - GYMNASIUM
1/8" = 1'-0"

GENERAL NOTES

1. KEYNOTES ARE SPECIFIC TO THE DRAWING SECTION IN WHICH THEY RESIDE.
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6. PROVIDE ANTI-GRAFFITI COATING @ ALL EXTERIOR WALLS. AGC TO BE APPLIED TO TOP OF FIRST FLOOR WALLS. SEE SECTION 09 86 00
7. ALL EXPOSED STEEL (EXTERIOR AND INTERIOR) TO BE PAINTED W/ HIGH PERFORMANCE COATING.
8. SEE A-300 FOR PEMB DESIGN/BUILD SCOPE

PLAN KEYNOTES

1. COUNTER WITH SLIDING WINDOW
2. COUNTER WITH ROLL UP WINDOW
3. SHOWER STALL
4. CHANGING STALL
5. BENCH
6. STAFF LOCKERS
7. BUILT IN SEATING - BUILT-UP LIGHT GAGE PLATFORM STRUCTURE W/2" LIGHT WT. CONCRETE TOPPING SLAB FINISH
8. DRAIN, SEE PLUMBING DRAWINGS
9. 1METER DIVING BOARD, SEE POOL DRAWINGS
10. METAL GRATING WALKWAY, SEE SPEC SECTION 05 53 05
11. TELESCOPIC BLEACHERS, SEE SPEC SECTION 12 66 60
12. HVAC UNIT, SEE MECHANICAL DWGS. UNIT SITS ON RAISED CURB
13. ROOF ACCESS LADDER, SEE SPEC SECTION 05 51 38
14. ROOD ACCESS HATCH, SEE SECTION 08 30 75
15. DRINKING FOUNTAIN, SEE SPEC SECTION 22 47 18
16. TENNIS OVERLOOK
17. LINE OF BUILDING/ROOF/STRUCTURE ABOVE
18. PRE-ENGINEERED METAL BUILDING FRAME (PEMB), SEE SPEC SECTION 13 34 19
19. GRANDSTAND BLEACHERS, SEE SPEC SECTION 12 63 13
20. ROOF ACCESS LADDER, SEE SPEC SECTION 05 31 58
21. POLE MOUNTED SCOREBOARD
22. SKYLIGHT, SEE SPEC SECTION 08 62 52
23. CONTINUOUS ROOD GUTTER
24. FIRE DEPARTMENT CONNECTION
25. SOLAR PANEL AND MOUNTING STRUCTURE, SEE ELECTRICAL DRAWINGS
26. SCUPPER
27. GYM DIVIDER CURTAIN, SEE SPEC SECTION 11 66 56
28. FIRE ACCESS CONTROL PANEL
29. EXPANSION JOINT, SEE STRUCTURAL DWGS, SEE SPEC SECTION 07 95 00
30. PORTABLE FIRE EXTINGUISHER IN RECESSED CABINET, SEE SPEC SECTION 10 52 20
31. PTD. STEEL STRUCTURAL MEMBER, SEE STRUCTURAL DWGS
32. CEILING HUNG BASKETBALL BACKSTOP, SEE SPEC SECTION 11 66 56
33. DOWNSPOUT CONNECTED RAIN WATER LEADDER
34. RAINWATER LEADER FROM ROOF TO GRADE
35. EXPOSED PEMB PURLIN EXTENDED TO BRACE END OF PEMB FRAME
36. CEILING HUNG SCOREBOARD
37. PTD. STEEL BAR FENCE W/ GATE. GATE TO OPEN 180°
38. CHAINLINK ENCLOSURE W/ GATE
39. SWIMSUIT WATER EXTRACTOR BY SUITMATE (115V/60Hz) OR APPROVED EQUAL
40. (E) CEMENT TO REMAIN
41. (E) STADIUM FLOODLIGHT TO BE RELOCATED HERE. PROVIDE NEW FOUNDATION

WALL TYPE LEGEND - WALL TYPES ON A-501

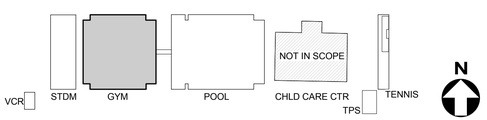
X1X — M — MIRRORED WALL [DUPLICATE]
LEFT-HAND WALL FINISH — RIGHT-HAND WALL FINISH
PARTITION TYPE

XX-X — FLOOR FINISH SEE A-901 / A-902

XXX — DOOR NUMBER SEE A-910 / A-911

XX — WINDOW NUMBER SEE A-920

KEY PLAN



BUREAU OF ENGINEERING
OFFICIAL RECORD

BID SET SUBMITTAL

CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS
BUREAU OF ENGINEERING

ENGINEERING
CITY OF LOS ANGELES

BUILDING NO.

INDEX NO. RP 300094

NO. REVISIONS: DATE: BY:

LICENSED ARCHITECT JOHN ZOLTAN EVANS C-19741 5/31/2017 RENEW 08/31/2017 STATE OF CALIFORNIA

GARY LEE MOORE, PE, ENV SP — CITY ENGINEER — DATE:
ARCHITECTURAL DIVISION — LIC. NO. C-19741
ARCHITECT: ZOLTAN E. PALI, FAIA
DESIGNED BY: ZEP
DRAWN BY: AOS
CHECKED BY: SM
APPROVED BY: MAHMOOD KARIMZADEH, A.I.A., PRINCIPAL ARCHITECT

VERTICAL CONTROL:
HORIZONTAL CONTROL:

SHEET TITLE: GROUND FLOOR PLAN - GYMNASIUM

PROJECT: RANCHO CIENEGA SPORTS COMPLEX

ADDRESS: 5001 RODEO ROAD
LOS ANGELES, CA 90016

WORK ORDER NO. E1907694
PLAN FILE NO.
DRAWING NO. A-201
SHEET OF SHEETS

PLOTTED: 12/22/2016 4:18:52 PM

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TEMPLATE SHEET REVISION DATE: 08/2014
REVISION DATE: 10/24/2016 5:30 PM
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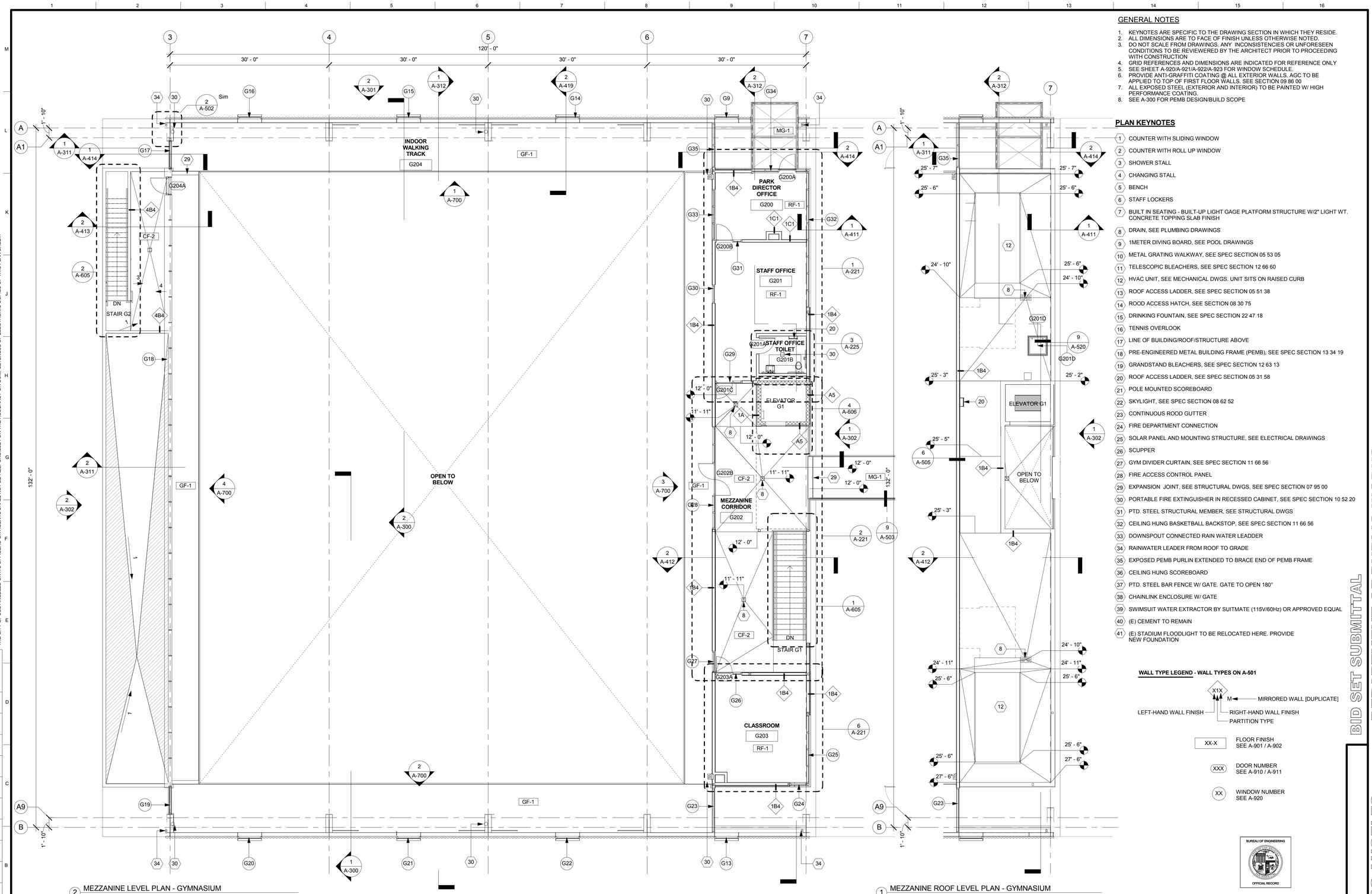

2 MEZZANINE LEVEL PLAN - GYMNASIUM
1/8" = 1'-0"

1 MEZZANINE ROOF LEVEL PLAN - GYMNASIUM
1/8" = 1'-0"

GENERAL NOTES

1. KEYNOTES ARE SPECIFIC TO THE DRAWING SECTION IN WHICH THEY RESIDE.
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3. DO NOT SCALE FROM DRAWINGS. ANY INCONSISTENCIES OR UNFORESEEN CONDITIONS TO BE REVIEWERED BY THE ARCHITECT PRIOR TO PROCEEDING WITH CONSTRUCTION
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5. SEE SHEET A-920/A-921/A-922/A-923 FOR WINDOW SCHEDULE.
6. PROVIDE ANTI-GRAFFITI COATING @ ALL EXTERIOR WALLS. AGC TO BE APPLIED TO TOP OF FIRST FLOOR WALLS. SEE SECTION 09 86 00
7. ALL EXPOSED STEEL (EXTERIOR AND INTERIOR) TO BE PAINTED W/ HIGH PERFORMANCE COATING.
8. SEE A-300 FOR PEMB DESIGN/BUILD SCOPE

PLAN KEYNOTES

1. COUNTER WITH SLIDING WINDOW
2. COUNTER WITH ROLL UP WINDOW
3. SHOWER STALL
4. CHANGING STALL
5. BENCH
6. STAFF LOCKERS
7. BUILT IN SEATING - BUILT-UP LIGHT GAGE PLATFORM STRUCTURE W/2" LIGHT WT. CONCRETE TOPPING SLAB FINISH
8. DRAIN, SEE PLUMBING DRAWINGS
9. 1METER DIVING BOARD, SEE POOL DRAWINGS
10. METAL GRATING WALKWAY, SEE SPEC SECTION 05 53 05
11. TELESCOPIC BLEACHERS, SEE SPEC SECTION 12 66 60
12. HVAC UNIT, SEE MECHANICAL DWGS. UNIT SITS ON RAISED CURB
13. ROOF ACCESS LADDER, SEE SPEC SECTION 05 51 38
14. ROOD ACCESS HATCH, SEE SECTION 08 30 75
15. DRINKING FOUNTAIN, SEE SPEC SECTION 22 47 18
16. TENNIS OVERLOOK
17. LINE OF BUILDING/ROOF/STRUCTURE ABOVE
18. PRE-ENGINEERED METAL BUILDING FRAME (PEMB), SEE SPEC SECTION 13 34 19
19. GRANDSTAND BLEACHERS, SEE SPEC SECTION 12 63 13
20. ROOF ACCESS LADDER, SEE SPEC SECTION 05 31 58
21. POLE MOUNTED SCOREBOARD
22. SKYLIGHT, SEE SPEC SECTION 08 62 52
23. CONTINUOUS ROOD GUTTER
24. FIRE DEPARTMENT CONNECTION
25. SOLAR PANEL AND MOUNTING STRUCTURE, SEE ELECTRICAL DRAWINGS
26. SCUPPER
27. GYM DIVIDER CURTAIN, SEE SPEC SECTION 11 66 56
28. FIRE ACCESS CONTROL PANEL
29. EXPANSION JOINT, SEE STRUCTURAL DWGS, SEE SPEC SECTION 07 95 00
30. PORTABLE FIRE EXTINGUISHER IN RECESSED CABINET, SEE SPEC SECTION 10 52 20
31. PTD. STEEL STRUCTURAL MEMBER, SEE STRUCTURAL DWGS
32. CEILING HUNG BASKETBALL BACKSTOP, SEE SPEC SECTION 11 66 56
33. DOWNSPOUT CONNECTED RAIN WATER LEADDER
34. RAINWATER LEADER FROM ROOF TO GRADE
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36. CEILING HUNG SCOREBOARD
37. PTD. STEEL BAR FENCE W/ GATE. GATE TO OPEN 180°
38. CHAINLINK ENCLOSURE W/ GATE
39. SWIMSUIT WATER EXTRACTOR BY SUITMATE (115V/60Hz) OR APPROVED EQUAL
40. (E) CEMENT TO REMAIN
41. (E) STADIUM FLOODLIGHT TO BE RELOCATED HERE. PROVIDE NEW FOUNDATION

WALL TYPE LEGEND - WALL TYPES ON A-501

X1X
M — MIRRORED WALL [DUPLICATE]
LEFT-HAND WALL FINISH
RIGHT-HAND WALL FINISH
PARTITION TYPE

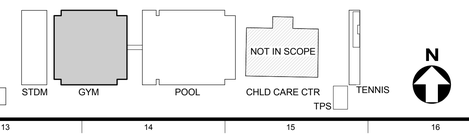
XX-X — FLOOR FINISH SEE A-901 / A-902

XXX — DOOR NUMBER SEE A-910 / A-911

XX — WINDOW NUMBER SEE A-920

BUREAU OF ENGINEERING
OFFICIAL RECORD

KEY PLAN



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CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS

BUREAU OF ENGINEERING — CITY OF LOS ANGELES

BUILDING NO.

INDEX NO. RP 300094

NO. REVISIONS: DATE: BY:

LICENSED ARCHITECT — ZOLTAN E. PALI — C-19741 — 5/31/2017 — RENEWAL DATE — STATE OF CALIFORNIA

GARY LEE MOORE, PE, ENV SP — CITY ENGINEER — DATE:
ARCHITECTURAL DIVISION — LIC. NO. C-19741
ARCHITECT: ZOLTAN E. PALI, FAIA
DESIGNED BY: ZEP
DRAWN BY: AOS
CHECKED BY: SM
APPROVED BY: MAHMOOD KARIMZADEH, A.I.A., PRINCIPAL ARCHITECT

VERTICAL CONTROL:
HORIZONTAL CONTROL:

SHEET TITLE: MEZZANINE FLOOR PLAN - GYMNASIUM

PROJECT: RANCHO CIENEGA SPORTS COMPLEX

ADDRESS: 5001 RODEO ROAD
LOS ANGELES, CA 90016

WORK ORDER NO. E1907694
PLAN FILE NO.
DRAWING NO. A-202
SHEET OF SHEETS

PLOTTED: 12/22/2016 4:18:57 PM

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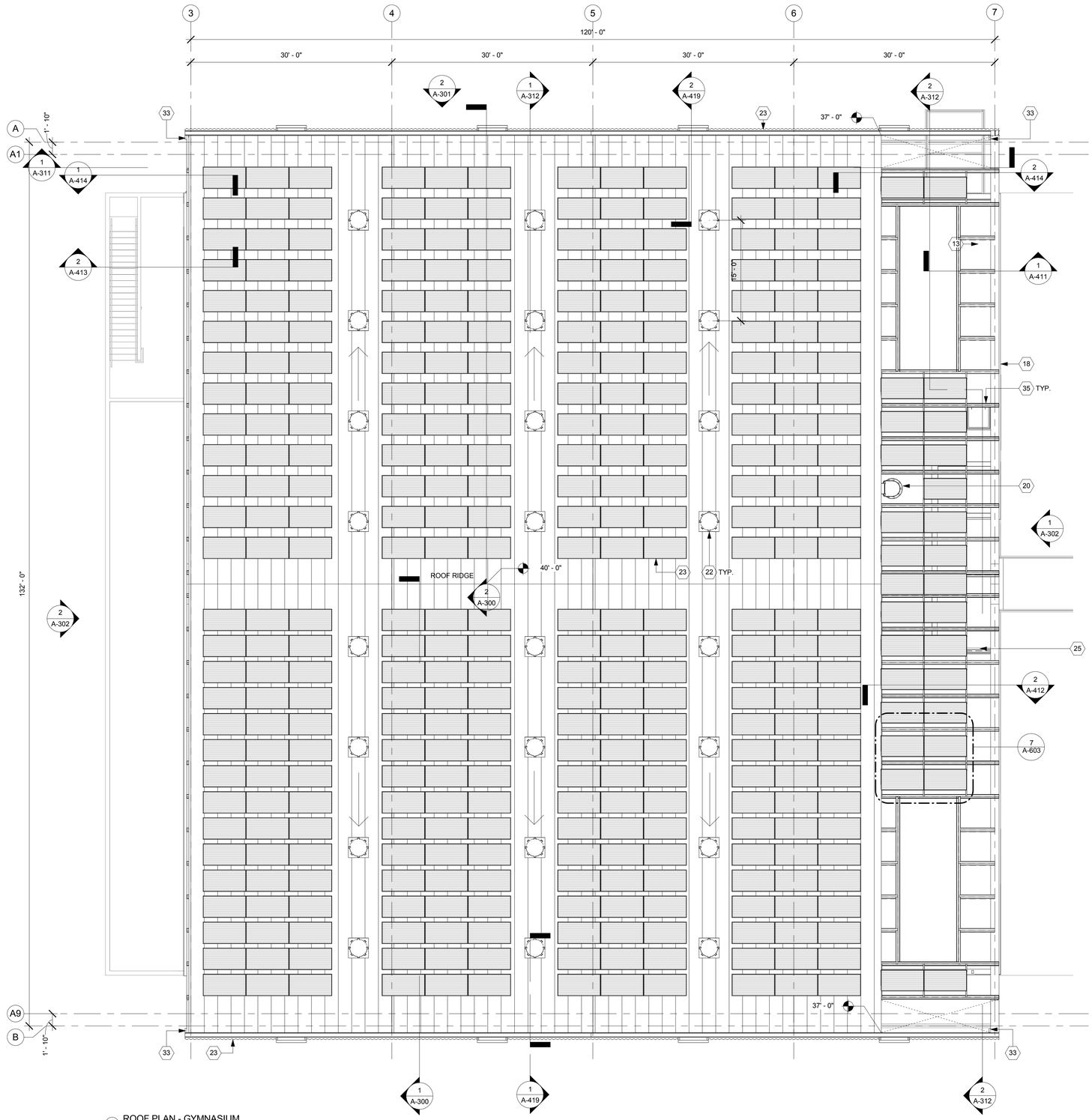
TEMPLATE SHEET REVISION DATE: 08/2014
REVISION DATE: 10/24/2016 5:30 PM
FILE: Z:\14-018 RANCHO CIENEGA SPORTS COMPLEX\DRAWINGS\REVIT\LINKS-AUTOCAD\BOE_TITLEBLOCK_CD_90PERCENT.DWG

REVISION DATES (DESIGN STAGE ONLY)



1 ROOF PLAN - GYMNASIUM
1/8" = 1'-0"

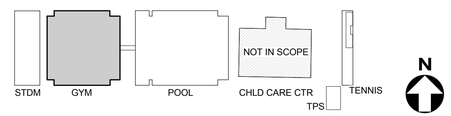
GENERAL NOTES

1. KEYNOTES ARE SPECIFIC TO THE DRAWING SECTION IN WHICH THEY RESIDE.
2. ALL DIMENSIONS ARE TO FACE OF FINISH UNLESS OTHERWISE NOTED.
3. DO NOT SCALE FROM DRAWINGS. ANY INCONSISTENCIES OR UNFORESEEN CONDITIONS TO BE REVIEWERED BY THE ARCHITECT PRIOR TO PROCEEDING WITH CONSTRUCTION
4. GRID REFERENCES AND DIMENSIONS ARE INDICATED FOR REFERENCE ONLY
5. SEE SHEET A-920/A-921/A-922/A-923 FOR WINDOW SCHEDULE.
6. PROVIDE ANTI-GRAFFITI COATING @ ALL EXTERIOR WALLS. AGC TO BE APPLIED TO TOP OF FIRST FLOOR WALLS. SEE SECTION 09 86 00
7. ALL EXPOSED STEEL (EXTERIOR AND INTERIOR) TO BE PAINTED W/ HIGH PERFORMANCE COATING.
8. SEE A-300 FOR PEMB DESIGN/BUILD SCOPE

PLAN KEYNOTES

1. COUNTER WITH SLIDING WINDOW
2. COUNTER WITH ROLL UP WINDOW
3. SHOWER STALL
4. CHANGING STALL
5. BENCH
6. STAFF LOCKERS
7. BUILT IN SEATING - BUILT-UP LIGHT GAGE PLATFORM STRUCTURE W/2" LIGHT WT. CONCRETE TOPPING SLAB FINISH
8. DRAIN, SEE PLUMBING DRAWINGS
9. 1METER DIVING BOARD, SEE POOL DRAWINGS
10. METAL GRATING WALKWAY, SEE SPEC SECTION 05 53 05
11. TELESCOPIC BLEACHERS, SEE SPEC SECTION 12 66 60
12. HVAC UNIT, SEE MECHANICAL DWGS. UNIT SITS ON RAISED CURB
13. ROOF ACCESS LADDER, SEE SPEC SECTION 05 51 38
14. ROOD ACCESS HATCH, SEE SECTION 08 30 75
15. DRINKING FOUNTAIN, SEE SPEC SECTION 22 47 18
16. TENNIS OVERLOOK
17. LINE OF BUILDING/ROOF/STRUCTURE ABOVE
18. PRE-ENGINEERED METAL BUILDING FRAME (PEMB), SEE SPEC SECTION 13 34 19
19. GRANDSTAND BLEACHERS, SEE SPEC SECTION 12 63 13
20. ROOF ACCESS LADDER, SEE SPEC SECTION 05 31 58
21. POLE MOUNTED SCOREBOARD
22. SKYLIGHT, SEE SPEC SECTION 08 62 52
23. CONTINUOUS ROOD GUTTER
24. FIRE DEPARTMENT CONNECTION
25. SOLAR PANEL AND MOUNTING STRUCTURE, SEE ELECTRICAL DRAWINGS
26. SCUPPER
27. GYM DIVIDER CURTAIN, SEE SPEC SECTION 11 66 56
28. FIRE ACCESS CONTROL PANEL
29. EXPANSION JOINT, SEE STRUCTURAL DWGS, SEE SPEC SECTION 07 95 00
30. PORTABLE FIRE EXTINGUISHER IN RECESSED CABINET, SEE SPEC SECTION 10 52 20
31. PTD. STEEL STRUCTURAL MEMBER, SEE STRUCTURAL DWGS
32. CEILING HUNG BASKETBALL BACKSTOP, SEE SPEC SECTION 11 66 56
33. DOWNSPOUT CONNECTED RAIN WATER LEADDER
34. RAINWATER LEADER FROM ROOF TO GRADE
35. EXPOSED PEMB PURLIN EXTENDED TO BRACE END OF PEMB FRAME
36. CEILING HUNG SCOREBOARD
37. PTD. STEEL BAR FENCE W/ GATE. GATE TO OPEN 180°
38. CHAINLINK ENCLOSURE W/ GATE
39. SWIMSUIT WATER EXTRACTOR BY SUITMATE (115V/60Hz) OR APPROVED EQUAL
40. (E) CEMENT TO REMAIN
41. (E) STADIUM FLOODLIGHT TO BE RELOCATED HERE. PROVIDE NEW FOUNDATION

KEY PLAN



ENGINEERING
CITY OF LOS ANGELES
BUREAU OF ENGINEERING
DATE: BY:
NO. REVISIONS:
BUILDING NO.
RP 300094
INDEX NO.

LICENSED ARCHITECT
JOHN E. PALI
C-19741
5/31/2017
STATE OF CALIFORNIA

BID SET SUBMITTAL
CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS
GARY LEE MOORE, PE, ENV SP CITY ENGINEER DATE:
ARCHITECTURAL DIVISION
ARCHITECT: ZOLTAN E. PALI, FAIA LIC. NO. C-19741
DESIGNED BY: ZEP
DRAWN BY: AOS
CHECKED BY: SM
APPROVED BY: MAHMOOD KARIMZADEH, A.I.A., PRINCIPAL ARCHITECT
VERTICAL CONTROL:
HORIZONTAL CONTROL:
SHEET TITLE: ROOF PLAN - GYMNASIUM
PROJECT: RANCHO CIENEGA SPORTS COMPLEX
ADDRESS: 5001 RODEO ROAD
LOS ANGELES, CA 90016
WORK ORDER NO. E1907694
PLAN FILE NO.
DRAWING NO. A-203
SHEET OF SHEETS

REVISION DATES (DESIGN STAGE ONLY)

THE CITY OF LOS ANGELES OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF ELECTRONIC COPIES OF THIS PLAN SHEET.

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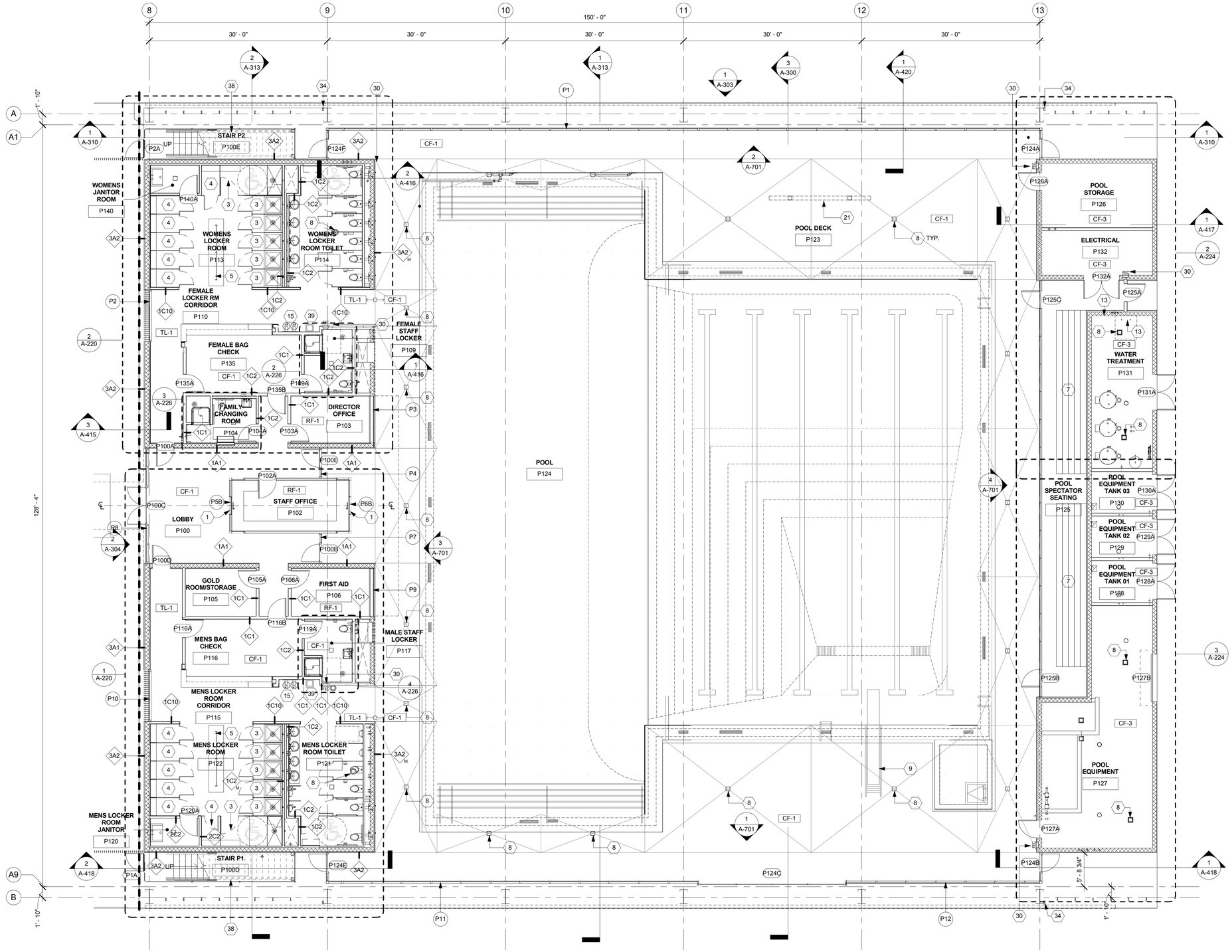

1 GROUND LEVEL PLAN - POOL
1/8" = 1'-0"

GENERAL NOTES

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6. PROVIDE ANTI-GRAFFITI COATING @ ALL EXTERIOR WALLS. AGC TO BE APPLIED TO TOP OF FIRST FLOOR WALLS. SEE SECTION 09 86 00
7. ALL EXPOSED STEEL (EXTERIOR AND INTERIOR) TO BE PAINTED W/ HIGH PERFORMANCE COATING.
8. SEE A-300 FOR PEMB DESIGN/BUILD SCOPE

PLAN KEYNOTES

1. COUNTER WITH SLIDING WINDOW
2. COUNTER WITH ROLL UP WINDOW
3. SHOWER STALL
4. CHANGING STALL
5. BENCH
6. STAFF LOCKERS
7. BUILT IN SEATING - BUILT-UP LIGHT GAGE PLATFORM STRUCTURE W/2" LIGHT WT. CONCRETE TOPPING SLAB FINISH
8. DRAIN, SEE PLUMBING DRAWINGS
9. 1METER DIVING BOARD, SEE POOL DRAWINGS
10. METAL GRATING WALKWAY, SEE SPEC SECTION 05 53 05
11. TELESCOPIC BLEACHERS, SEE SPEC SECTION 12 66 60
12. HVAC UNIT, SEE MECHANICAL DWGS. UNIT SITS ON RAISED CURB
13. ROOF ACCESS LADDER, SEE SPEC SECTION 05 51 38
14. ROOD ACCESS HATCH, SEE SECTION 08 30 75
15. DRINKING FOUNTAIN, SEE SPEC SECTION 22 47 18
16. TENNIS OVERLOOK
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24. FIRE DEPARTMENT CONNECTION
25. SOLAR PANEL AND MOUNTING STRUCTURE, SEE ELECTRICAL DRAWINGS
26. SCUPPER
27. GYM DIVIDER CURTAIN, SEE SPEC SECTION 11 66 56
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29. EXPANSION JOINT, SEE STRUCTURAL DWGS, SEE SPEC SECTION 07 95 00
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40. (E) CEMENT TO REMAIN
41. (E) STADIUM FLOODLIGHT TO BE RELOCATED HERE. PROVIDE NEW FOUNDATION

WALL TYPE LEGEND - WALL TYPES ON A-501

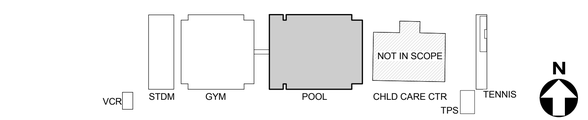
X1X — M — MIRRORED WALL [DUPLICATE]
LEFT-HAND WALL FINISH — RIGHT-HAND WALL FINISH — PARTITION TYPE

XX-X — FLOOR FINISH SEE A-901 / A-902
XXX — DOOR NUMBER SEE A-910 / A-911
XX — WINDOW NUMBER SEE A-920

FLOOR FINISH LEGEND

CONCRETE BROOM FINISH

KEY PLAN



BID SET SUBMITTAL
CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS
BUREAU OF ENGINEERING

ENGINEERING — CITY OF LOS ANGELES

NO.	REVISIONS:	DATE:	BY:

BUILDING NO.
INDEX NO. RP 300094

LICENSED ARCHITECT — JOHN CRAIG — C-19741 — 5/31/2017 — STATE OF CALIFORNIA

GARY LEE MOORE, PE, ENV SP — CITY ENGINEER — DATE:
ARCHITECTURAL DIVISION — LIC. NO. C-19741
ARCHITECT: ZOLTAN E. PALI, FAIA
DESIGNED BY: ZEP
DRAWN BY: AOS
CHECKED BY: SM
APPROVED BY: MAHMOOD KARIMZADEH, A.I.A., PRINCIPAL ARCHITECT

VERTICAL CONTROL:
HORIZONTAL CONTROL:
SHEET TITLE: GROUND FLOOR PLAN - POOL
PROJECT: RANCHO CIENEGA SPORTS COMPLEX
ADDRESS: 5001 RODEO ROAD LOS ANGELES, CA 90016

WORK ORDER NO. E1907694
PLAN FILE NO.
DRAWING NO. A-204
SHEET OF SHEETS

REVISION DATES: (DESIGN STAGE ONLY)

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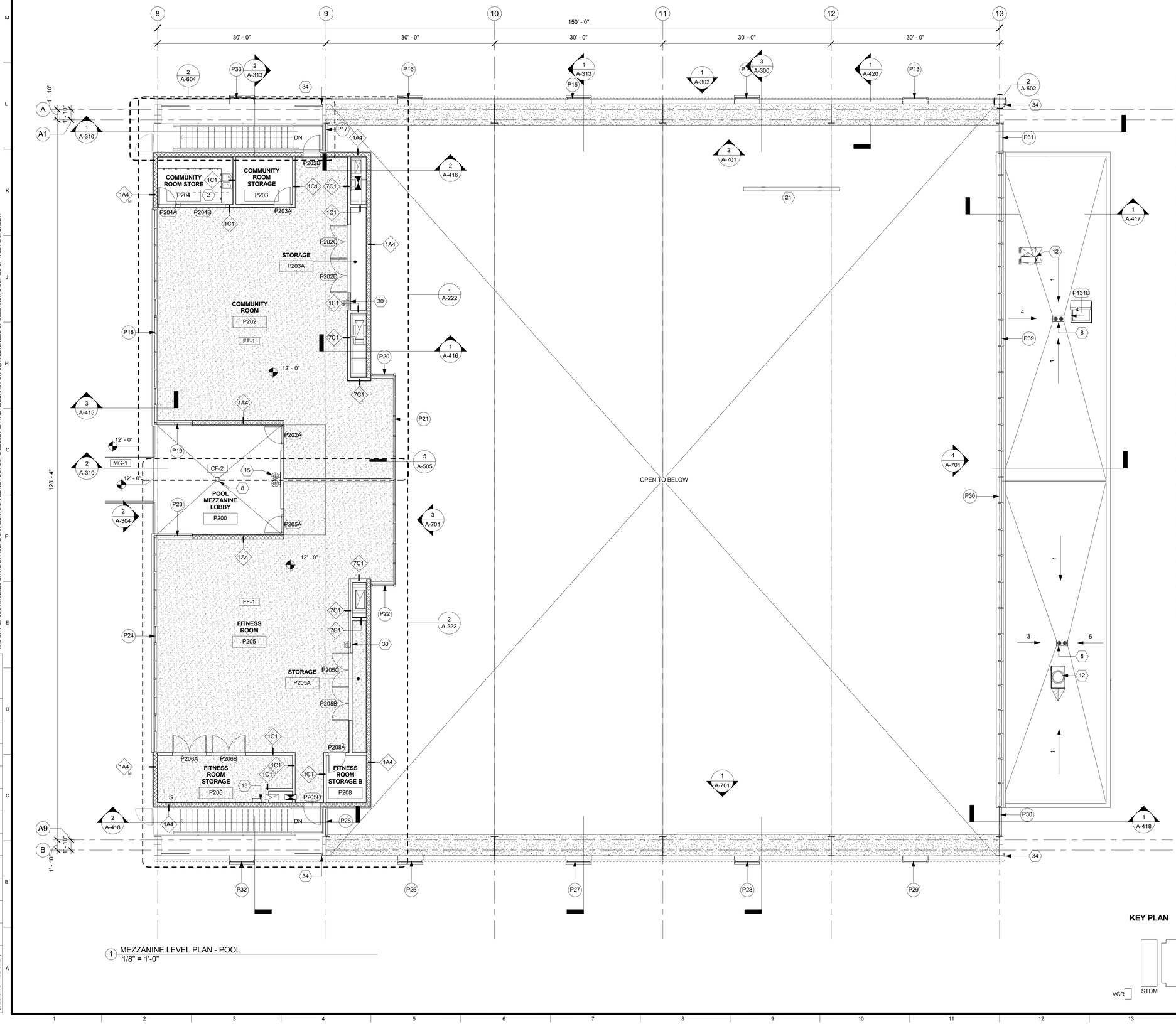

1 MEZZANINE LEVEL PLAN - POOL
1/8" = 1'-0"

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PLAN KEYNOTES

A. SEE A-000 FOR PEMB DESIGN/BUILD SCOPE

1. COUNTER WITH SLIDING WINDOW
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4. CHANGING STALL
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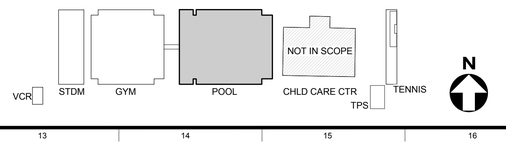
LEFT-HAND WALL FINISH — RIGHT-HAND WALL FINISH
PARTITION TYPE

XX-X — FLOOR FINISH SEE A-901 / A-902

XXX — DOOR NUMBER SEE A-910 / A-911

XX — WINDOW NUMBER SEE A-920

KEY PLAN



BID SET SUBMITTAL

CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS
BUREAU OF ENGINEERING

ENGINEERING
CITY OF LOS ANGELES

NO.	REVISIONS:	DATE:	BY:

BUILDING NO.

INDEX NO. RP 300094

LICENSED ARCHITECT — JUAN ESPARZA — C-19741 — 5/31/2017 — STATE OF CALIFORNIA

GARY LEE MOORE, PE, ENV SP — CITY ENGINEER — DATE:
ARCHITECTURAL DIVISION — LIC. NO. C-19741
ARCHITECT: ZOLTAN E. PALI, FAIA — DESIGNED BY: ZEP
DRAWN BY: AOS
CHECKED BY: SM
APPROVED BY: MAHMOOD KARIMZADEH, A.I.A., PRINCIPAL ARCHITECT

VERTICAL CONTROL:
HORIZONTAL CONTROL:

SHEET TITLE: MEZZANINE FLOOR PLAN - POOL

PROJECT: RANCHO CIENEGA SPORTS COMPLEX
ADDRESS: 5001 RODEO ROAD
LOS ANGELES, CA 90016

BUREAU OF ENGINEERING — OFFICIAL RECORD

WORK ORDER NO. E1907694
PLAN FILE NO.
DRAWING NO. A-205
SHEET OF SHEETS

PLOTTED: 12/22/2016 4:19:55 PM

REVISION DATES (DESIGN STAGE ONLY)

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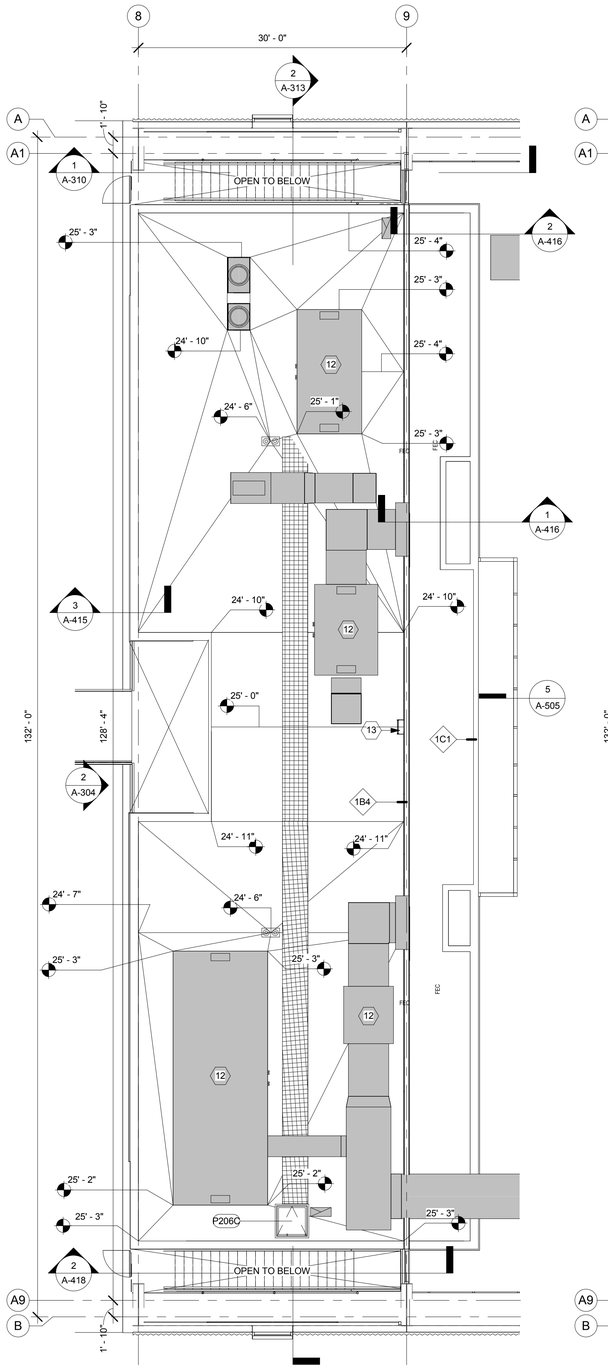
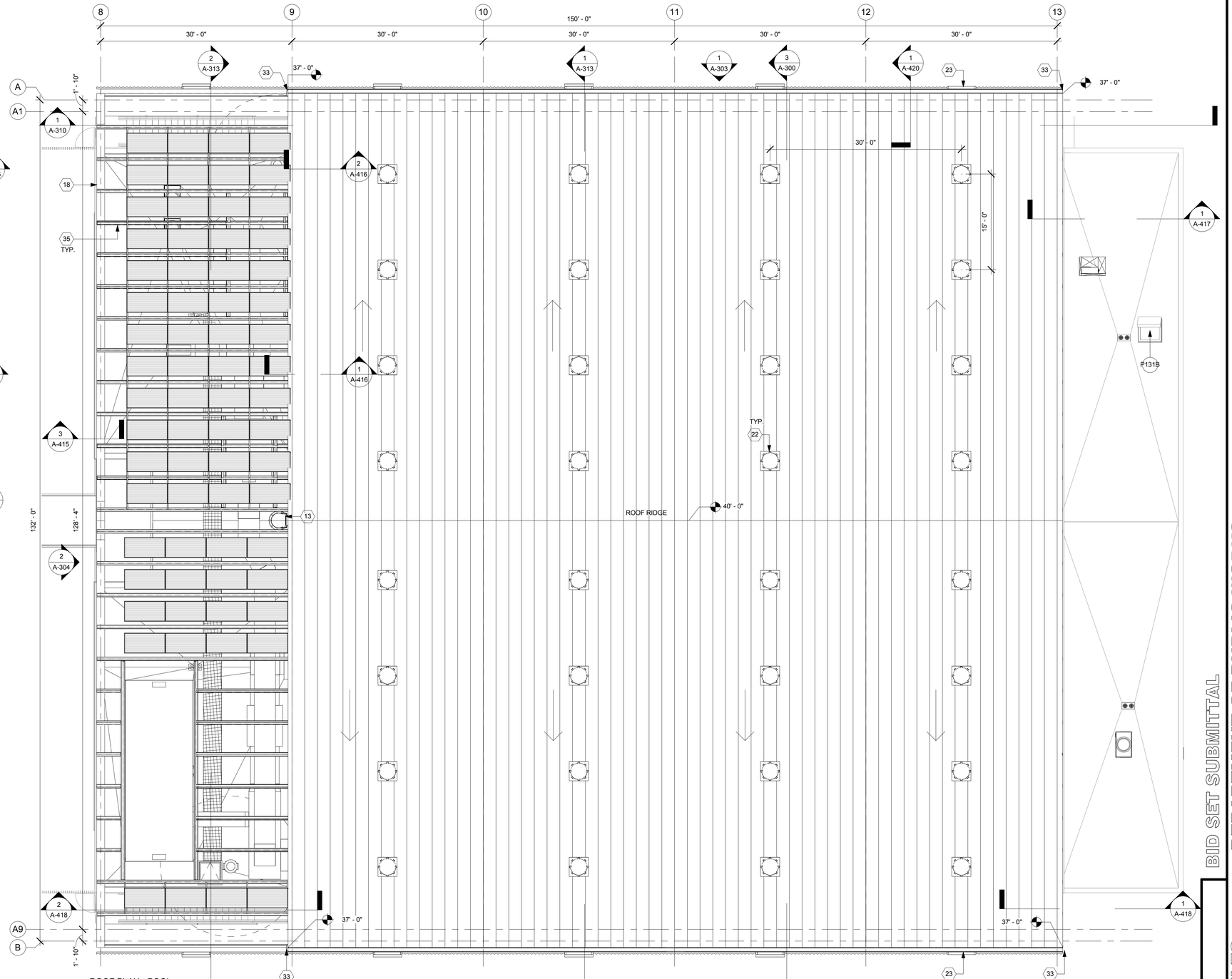


2 MEZZANINE ROOF PLAN - POOL
1/8" = 1'-0"



1 ROOF PLAN - POOL
1/8" = 1'-0"

PLAN KEYNOTES

1. COUNTER WITH SLIDING WINDOW
2. COUNTER WITH ROLL UP WINDOW
3. SHOWER STALL
4. CHANGING STALL
5. BENCH
6. STAFF LOCKERS
7. BUILT IN SEATING - BUILT-UP LIGHT GAGE PLATFORM STRUCTURE W/2" LIGHT WT. CONCRETE TOPPING SLAB FINISH
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41. (E) STADIUM FLOODLIGHT TO BE RELOCATED HERE. PROVIDE NEW FOUNDATION

SYMBOL LEGEND

SOLATUBE SKYLIGHT

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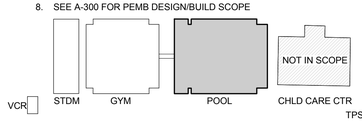
7. EXPOSED STEEL (EXTERIOR AND INTERIOR) TO BE PAINTED W/ HIGH PERFORMANCE COATING.
8. SEE A-300 FOR PEMB DESIGN/BUILD SCOPE

KEY PLAN



N

BUREAU OF ENGINEERING
OFFICIAL RECORD

BUREAU OF ENGINEERING
ENGINEERING
CITY OF LOS ANGELES

NO. | REVISIONS: | DATE: | BY:

BUILDING NO.

INDEX NO. RP 300094

LICENSED ARCHITECT
JOHN EVANS
C-19741
5/31/2017
RENEWAL DATE
STATE OF CALIFORNIA

BID SET SUBMITTAL

CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS

VERTICAL CONTROL:
HORIZONTAL CONTROL:

SHEET TITLE: ROOF PLAN - POOL

PROJECT: RANCHO CIENEGA SPORTS COMPLEX

ADDRESS: 5001 RODEO ROAD
LOS ANGELES, CA 90016

GARY LEE MOORE, PE, ENV SP CITY ENGINEER
ARCHITECTURAL DIVISION
DATE:
LIC. NO. C-19741

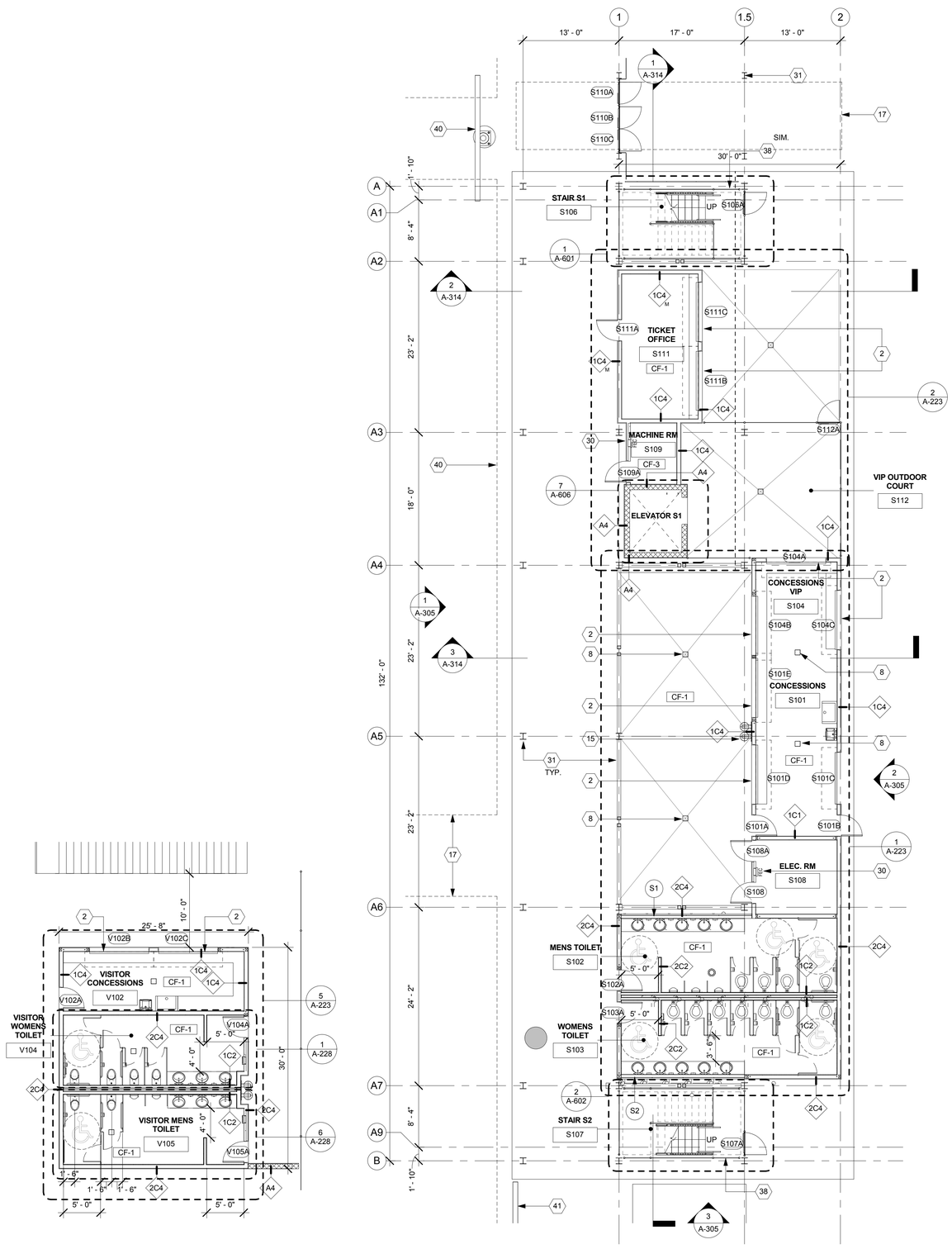
ARCHITECT: ZOLTAN E. PALI, FAIA
DESIGNED BY: ZEP
DRAWN BY: AOS
CHECKED BY: SM
APPROVED BY: MAHMOOD KARIMZADEH, A.I.A., PRINCIPAL ARCHITECT

WORK ORDER NO. E1907694
PLAN FILE NO.
DRAWING NO. A-206
SHEET OF SHEETS

PLOTTED: 12/22/2016 4:20:03 PM

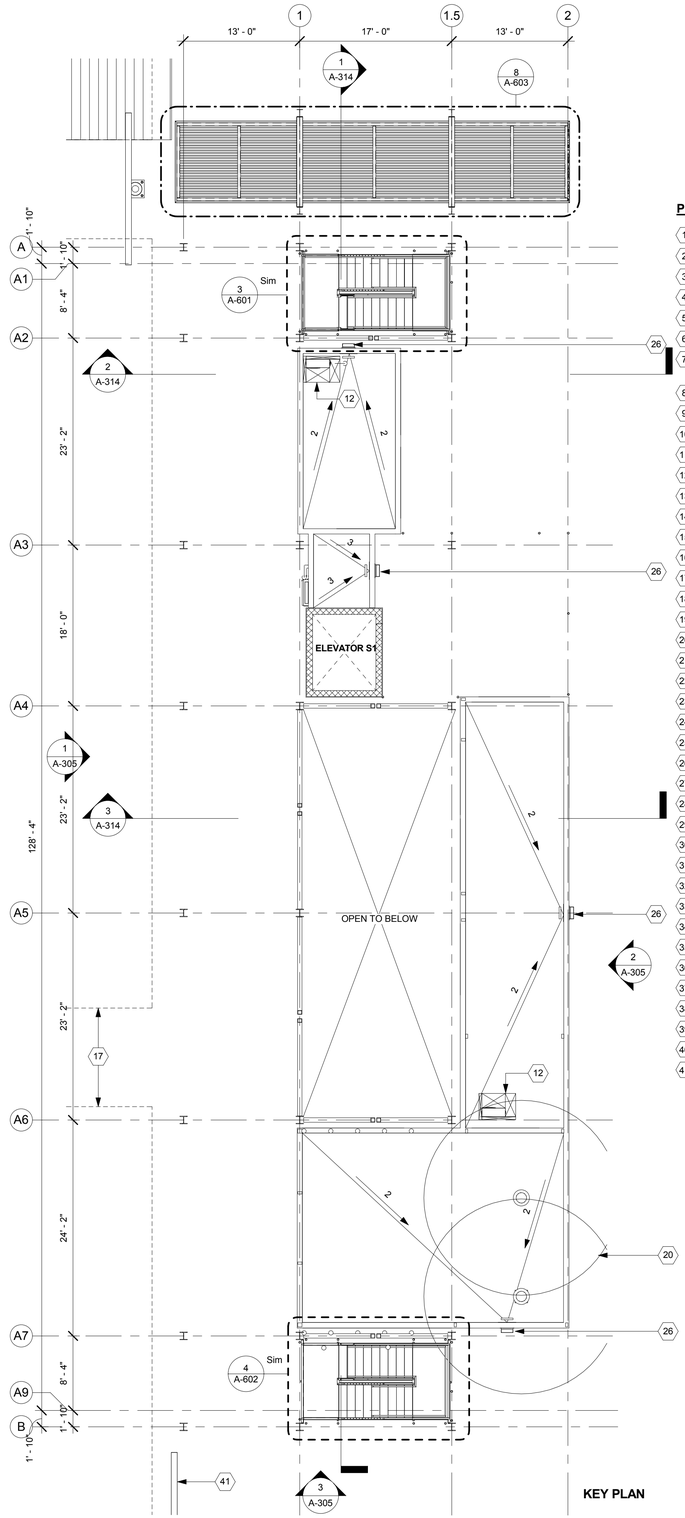
REVISION DATES (DESIGN STAGE ONLY)
REVISION DATE: 10/24/2016 5:30 PM
TEMPLATE SHEET REVISION DATE: 08/2014
FILE: Z:\14-018 RANCHO CIENEGA SPORTS COMPLEX\DRAWINGS\REVIT\LINKS-AUTOCAD\BOE_TITLEBLOCK_CD_90PERCENT.DWG

THE CITY OF LOS ANGELES OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF ELECTRONIC COPIES OF THIS PLAN SHEET.



3 VISITING TEAM CONCESSION AND RESTROOMS
1/8" = 1'-0"

2 GROUND LEVEL PLAN - STADIUM OVERLOOK
1/8" = 1'-0"



1 ROOF PLAN - STADIUM CONCESSIONS
1/8" = 1'-0"

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6. PROVIDE ANTI-GRAFFITI COATING @ ALL EXTERIOR WALLS. AGC TO BE APPLIED TO TOP OF FIRST FLOOR WALLS. SEE SECTION 09 86 00
7. ALL EXPOSED STEEL (EXTERIOR AND INTERIOR) TO BE PAINTED W/ HIGH PERFORMANCE COATING.
8. SEE A-300 FOR PEMB DESIGN/BUILD SCOPE

PLAN KEYNOTES

1. COUNTER WITH SLIDING WINDOW
2. COUNTER WITH ROLL UP WINDOW
3. SHOWER STALL
4. CHANGING STALL
5. BENCH
6. STAFF LOCKERS
7. BUILT IN SEATING - BUILT-UP LIGHT GAGE PLATFORM STRUCTURE W/2" LIGHT WT. CONCRETE TOPPING SLAB FINISH
8. DRAIN, SEE PLUMBING DRAWINGS
9. 1METER DIVING BOARD, SEE POOL DRAWINGS
10. METAL GRATING WALKWAY, SEE SPEC SECTION 05 53 05
11. TELESCOPIC BLEACHERS, SEE SPEC SECTION 12 66 60
12. HVAC UNIT, SEE MECHANICAL DWGS. UNIT SITS ON RAISED CURB
13. ROOF ACCESS LADDER, SEE SPEC SECTION 05 51 38
14. ROOD ACCESS HATCH, SEE SECTION 08 30 75
15. DRINKING FOUNTAIN, SEE SPEC SECTION 22 47 18
16. TENNIS OVERLOOK
17. LINE OF BUILDING/ROOF/STRUCTURE ABOVE
18. PRE-ENGINEERED METAL BUILDING FRAME (PEMB), SEE SPEC SECTION 13 34 19
19. GRANDSTAND BLEACHERS, SEE SPEC SECTION 12 63 13
20. ROOF ACCESS LADDER, SEE SPEC SECTION 05 31 58
21. POLE MOUNTED SCOREBOARD
22. SKYLIGHT, SEE SPEC SECTION 08 62 52
23. CONTINUOUS ROOD GUTTER
24. FIRE DEPARTMENT CONNECTION
25. SOLAR PANEL AND MOUNTING STRUCTURE, SEE ELECTRICAL DRAWINGS
26. SCUPPER
27. GYM DIVIDER CURTAIN, SEE SPEC SECTION 11 66 56
28. FIRE ACCESS CONTROL PANEL
29. EXPANSION JOINT, SEE STRUCTURAL DWGS, SEE SPEC SECTION 07 95 00
30. PORTABLE FIRE EXTINGUISHER IN RECESSED CABINET, SEE SPEC SECTION 10 52 20
31. PTD. STEEL STRUCTURAL MEMBER, SEE STRUCTURAL DWGS
32. CEILING HUNG BASKETBALL BACKSTOP, SEE SPEC SECTION 11 66 56
33. DOWNSPOUT CONNECTED RAIN WATER LEADDER
34. RAINWATER LEADER FROM ROOF TO GRADE
35. EXPOSED PEMB PURLIN EXTENDED TO BRACE END OF PEMB FRAME
36. CEILING HUNG SCOREBOARD
37. PTD. STEEL BAR FENCE W/ GATE. GATE TO OPEN 180°
38. CHAINLINK ENCLOSURE W/ GATE
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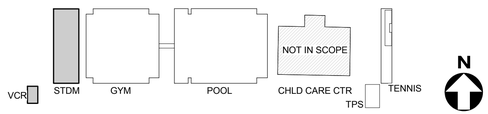
40. (E) CEMENT TO REMAIN
41. (E) STADIUM FLOODLIGHT TO BE RELOCATED HERE. PROVIDE NEW FOUNDATION

WALL TYPE LEGEND - WALL TYPES ON A-501

X1X — M — MIRRORED WALL [DUPLICATE]
LEFT-HAND WALL FINISH — RIGHT-HAND WALL FINISH
PARTITION TYPE

XX-X — FLOOR FINISH SEE A-901 / A-902
XXX — DOOR NUMBER SEE A-910 / A-911
XX — WINDOW NUMBER SEE A-920

KEY PLAN



BUREAU OF ENGINEERING
CITY OF LOS ANGELES

NO. REVISIONS: DATE: BY:

BUILDING NO.

INDEX NO. RP 300094

LICENSED ARCHITECT — JOHN E. PALI — C-19741 — 5/31/2017 — STATE OF CALIFORNIA

BID SET SUBMITTAL

CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS

CITY ENGINEER: GARY LEE MOORE, PE, ENV SP — DATE:
ARCHITECTURAL DIVISION
ARCHITECT: ZOLTAN E. PALI, FAIA — LIC. NO. C-19741
DESIGNED BY: ZEP
DRAWN BY: AOS
CHECKED BY: SM
APPROVED BY: MAHMOOD KARIMZADEH, A.I.A., PRINCIPAL ARCHITECT

VERTICAL CONTROL:
HORIZONTAL CONTROL:

SHEET TITLE: GROUND FLOOR AND ROOF PLAN - STADIUM CONCESSIONS

PROJECT: RANCHO CIENEGA SPORTS COMPLEX

ADDRESS: 5001 RODEO ROAD LOS ANGELES, CA 90016

BUREAU OF ENGINEERING OFFICIAL RECORD

WORK ORDER NO. E1907694
PLAN FILE NO.
DRAWING NO. A-207
SHEET OF SHEETS

PLOTTED: 12/22/2016 4:20:13 PM

REVISION DATES (DESIGN STAGE ONLY)

REVISION DATE: 10/24/2016 5:30 PM FILE: Z:\14-018 RANCHO CIENEGA SPORTS COMPLEX\DRAWINGS\REVIT\LINKS-AUTOCAD\BOE_TITLEBLOCK_CD_90PERCENT.DWG

TEMPLATE SHEET REVISION DATE: 08/2014

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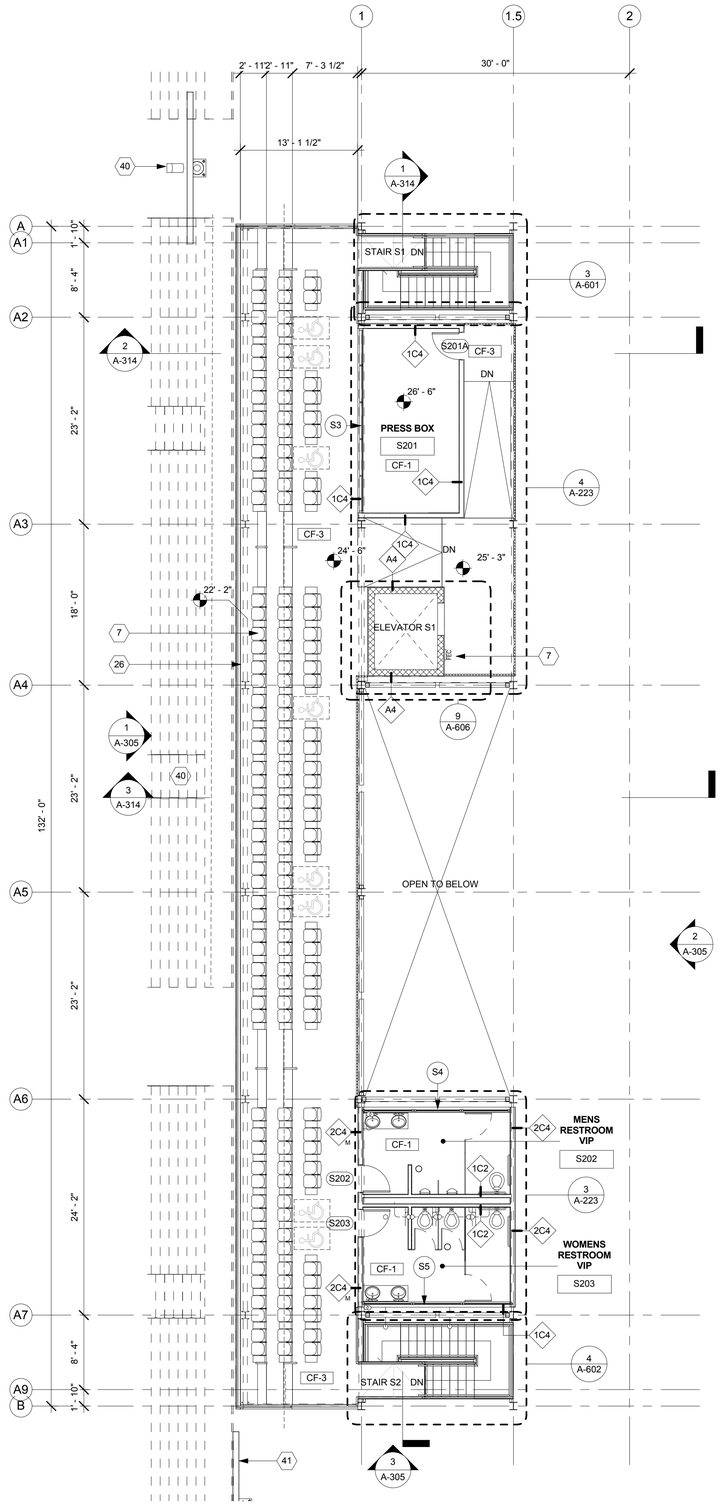
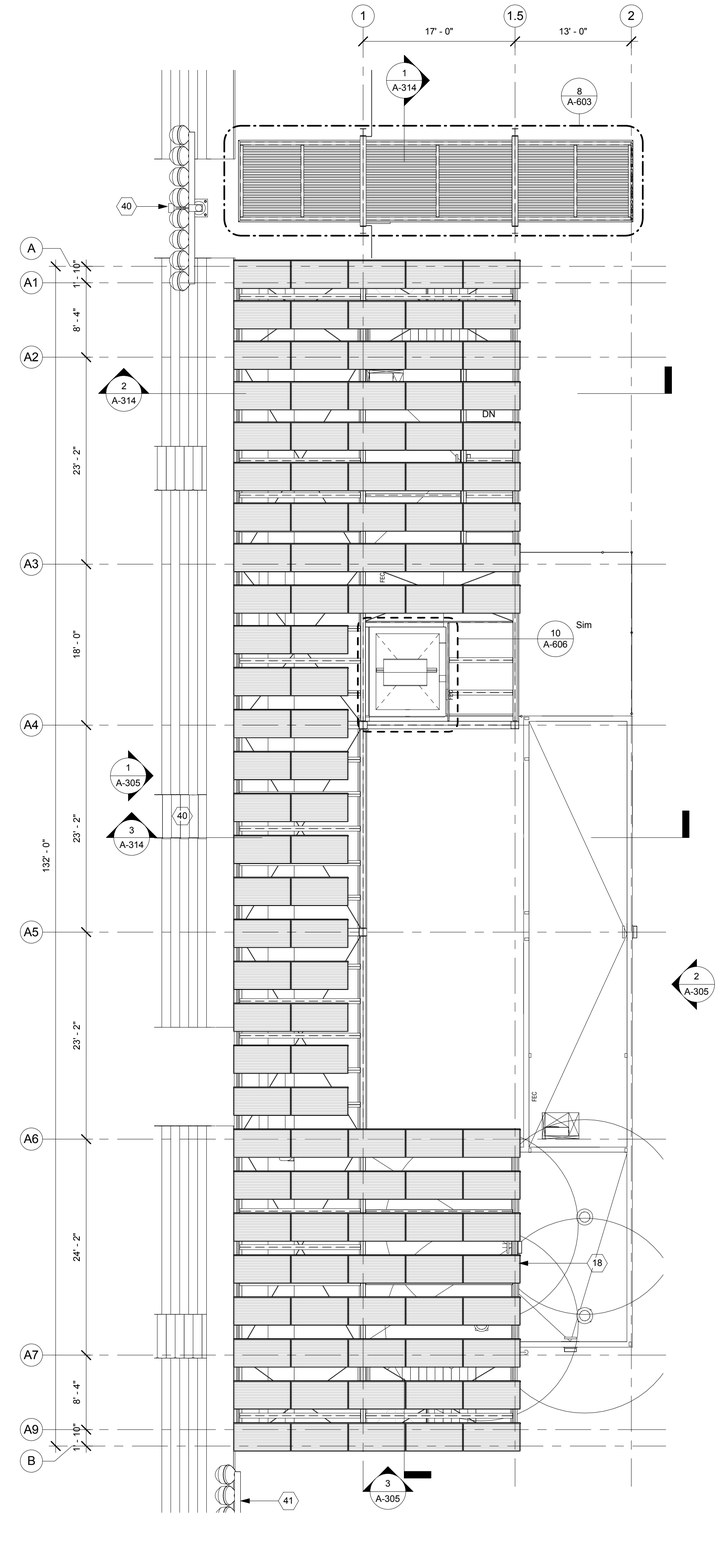


2 OVERLOOK LEVEL PLAN - STADIUM OVERLOOK
1/8" = 1'-0"



1 ROOF PLAN - STADIUM OVERLOOK
1/8" = 1'-0"

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WALL TYPE LEGEND - WALL TYPES ON A-501

X1X
M — MIRRORED WALL [DUPLICATE]
LEFT-HAND WALL FINISH — RIGHT-HAND WALL FINISH
PARTITION TYPE

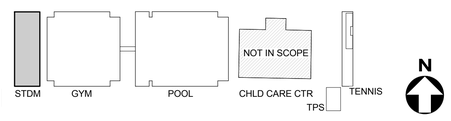
XX-X — FLOOR FINISH SEE A-901 / A-902

XXX — DOOR NUMBER SEE A-910 / A-911

XX — WINDOW NUMBER SEE A-920

BUREAU OF ENGINEERING OFFICIAL RECORD

KEY PLAN



BUREAU OF ENGINEERING
CITY OF LOS ANGELES

BUREAU OF ENGINEERING

NO.	REVISIONS:	DATE:	BY:

BUILDING NO.

INDEX NO. RP 300094

LICENSED ARCHITECT JOHN EVANS C-19741 5/31/2017 RENEWAL STATE OF CALIFORNIA

BID SET SUBMITTAL

CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS

GARY LEE MOORE, PE, ENV SP CITY ENGINEER DATE:
ARCHITECTURAL DIVISION

ARCHITECT: ZOLTAN E. PALI, FAIA LIC. NO. C-19741
DESIGNED BY: ZEP
DRAWN BY: AOS
CHECKED BY: SM
APPROVED BY: MAHMOOD KARIMZADEH, A.I.A., PRINCIPAL ARCHITECT

VERTICAL CONTROL:
HORIZONTAL CONTROL:

SHEET TITLE: OVERLOOK FLOOR AND ROOF PLAN - STADIUM OVERLOOK

PROJECT: RANCHO CIENEGA SPORTS COMPLEX

ADDRESS: 5001 RODEO ROAD LOS ANGELES, CA 90016

WORK ORDER NO. E1907694

PLAN FILE NO.

DRAWING NO. A-208

SHEET OF SHEETS

PLOTTED: 12/22/2016 4:20:24 PM

REVISION DATES (DESIGN STAGE ONLY)

TEMPLATE SHEET REVISION DATE: 08/2014
REVISION DATE: 10/24/2016 5:30 PM FILE: Z:\14-018 RANCHO CIENEGA SPORTS COMPLEX\DRAWINGS\REVITLINKS-AUTOCAD\BOE_TITLEBLOCK_CD_90PERCENT.DWG

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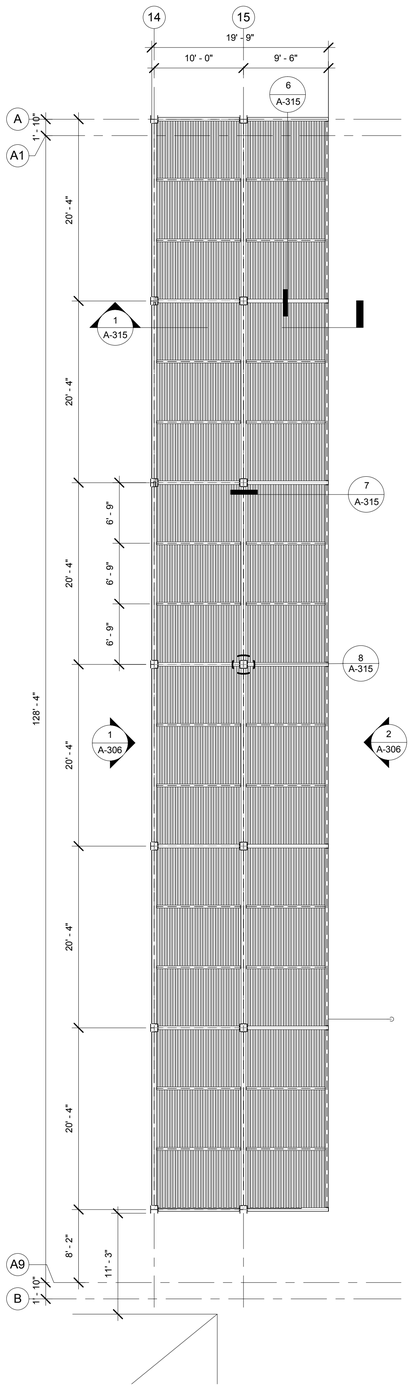
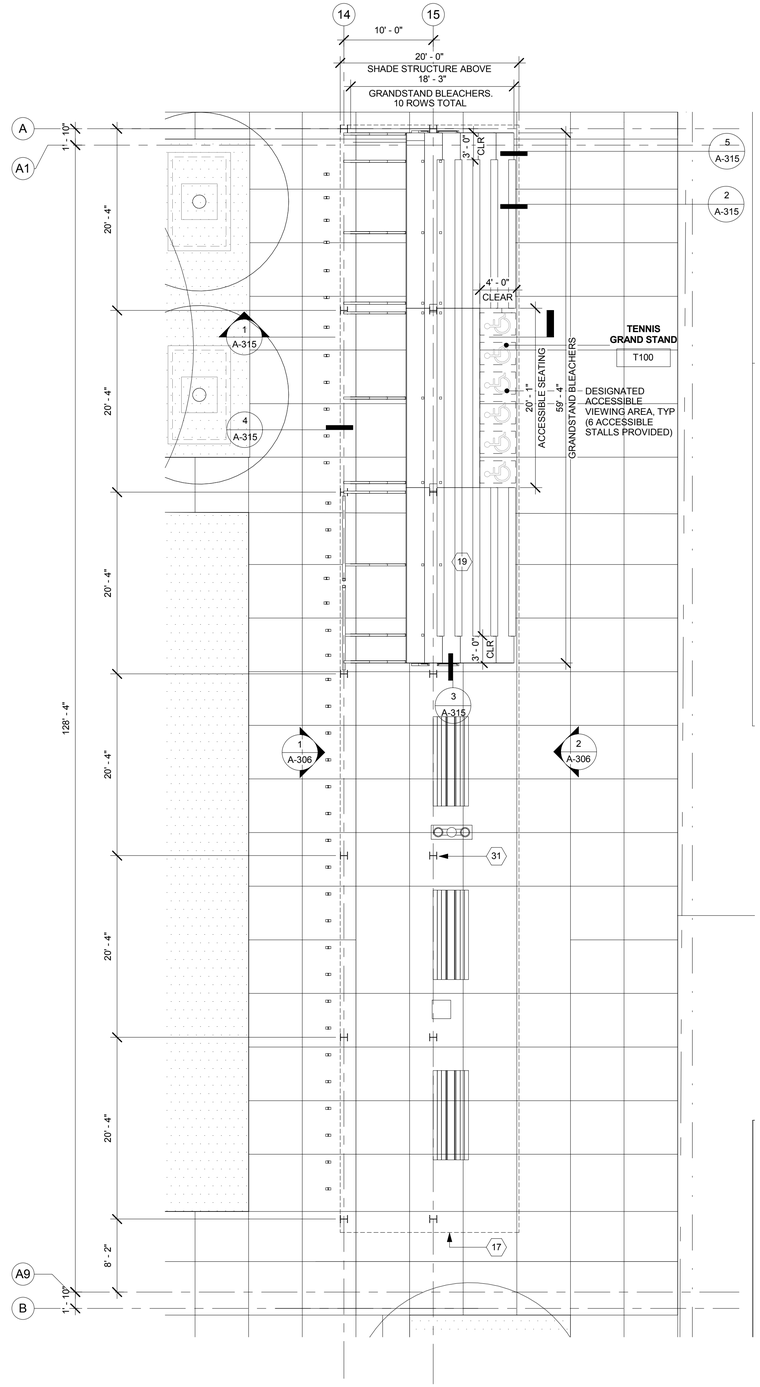


2 ROOF LEVEL PLAN - TENNIS GRANDSTAND
1/8" = 1'-0"



1 GROUND LEVEL PLAN - TENNIS GRANDSTAND
1/8" = 1'-0"

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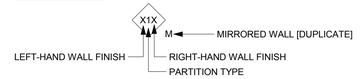
41. (E) STADIUM FLOODLIGHT TO BE RELOCATED HERE. PROVIDE NEW FOUNDATION

WALL TYPE LEGEND - WALL TYPES ON A-501



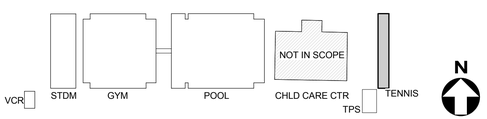
XX-X FLOOR FINISH SEE A-901 / A-902

XXX DOOR NUMBER SEE A-910 / A-911

XX WINDOW NUMBER SEE A-920

BUREAU OF ENGINEERING
OFFICIAL RECORD

KEY PLAN



BID SET SUBMITTAL

CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS

BUREAU OF ENGINEERING

ENGINEERING
CITY OF LOS ANGELES

NO. REVISIONS: DATE: BY:

BUILDING NO.

INDEX NO. RP 300094

LICENSED ARCHITECT
JOHN E. PALI
C-19741
5/31/2017
RENEWAL DATE
STATE OF CALIFORNIA

VERTICAL CONTROL:
HORIZONTAL CONTROL:

SHEET TITLE: GROUND AND ROOF PLAN - TENNIS GRANDSTAND

PROJECT: RANCHO CIENEGA SPORTS COMPLEX

ADDRESS: 5001 RODEO ROAD LOS ANGELES, CA 90016

GARY LEE MOORE, PE, ENV SP CITY ENGINEER
ARCHITECTURAL DIVISION LIC. NO. C-19741
ARCHITECT: ZOLTAN E. PALI, FAIA DATE:
DESIGNED BY: ZEP
DRAWN BY: AOS
CHECKED BY: SM
APPROVED BY: MAHMOOD KARIMZADEH, A.I.A., PRINCIPAL ARCHITECT

WORK ORDER NO. E1907694
PLAN FILE NO.
DRAWING NO. A-209
SHEET OF SHEETS

PLOTTED: 12/22/2016 4:20:27 PM

REVISION DATES: (DESIGN STAGE ONLY)

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TEMPLATE SHEET REVISION DATE: 08/2014
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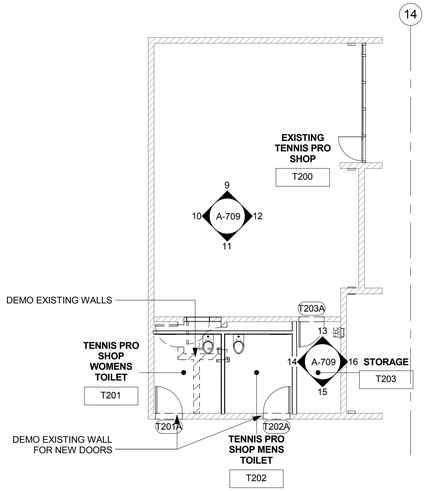
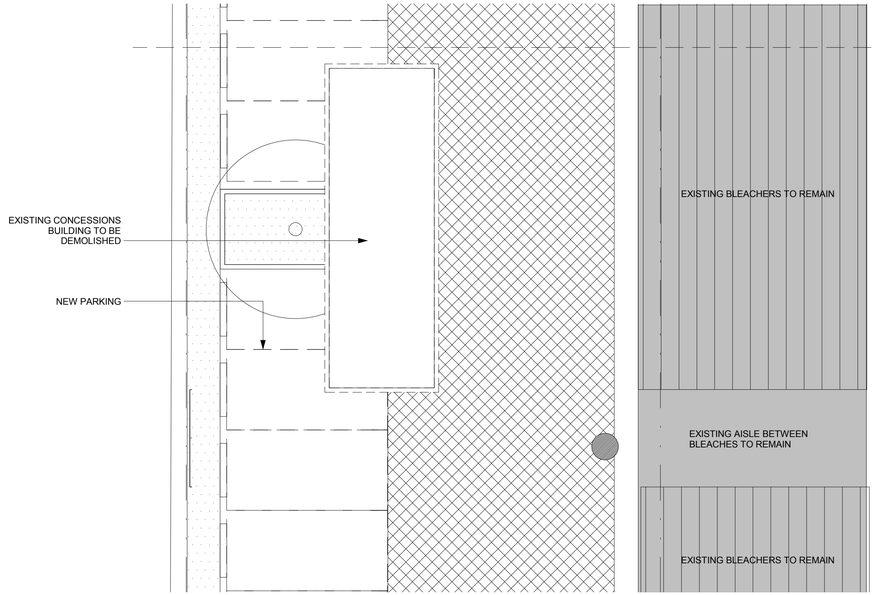
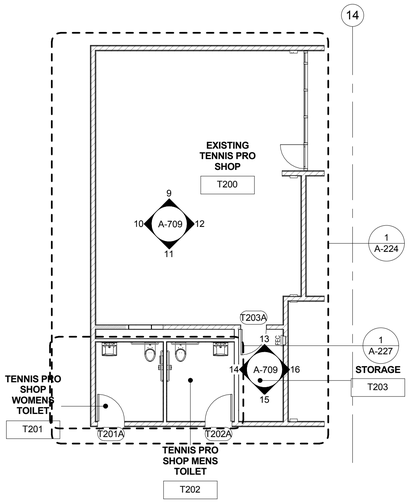


4 DEMOLITION TENNIS PRO SHOP REMODEL
1/8" = 1'-0"



2 EXISTING WEST CONCESSION BUILDING PLAN - SCOPE OF WORK
1/8" = 1'-0"



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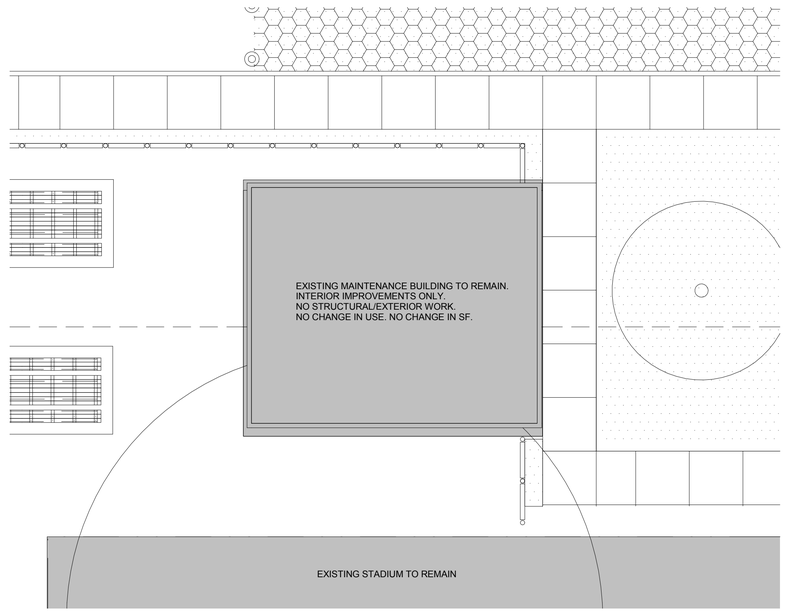

1 EXISTING MAINTENANCE BUILDING PLAN - SCOPE OF WORK
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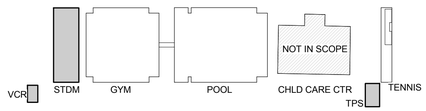

BUREAU OF ENGINEERING
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BID SET SUBMITTAL

CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS

GARY LEE MOORE, PE, ENV SP CITY ENGINEER
ARCHITECTURAL DIVISION
ARCHITECT: ZOLTAN E. PALI, FAIA LIC. NO. C-19741
DESIGNED BY: ZEP
DRAWN BY: AOS
CHECKED BY: SM
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DATE:

BUREAU OF ENGINEERING
CITY OF LOS ANGELES

NO. REVISIONS: DATE: BY:

BUILDING NO.

INDEX NO. RP 300094

ZOLTAN E. PALI
C-19741
5/31/2017
DATE
STATE OF CALIFORNIA

VERTICAL CONTROL:
HORIZONTAL CONTROL:

SHEET TITLE: EXISTING BUILDING PLANS - SCOPE OF WORK

PROJECT: RANCHO CIENEGA SPORTS COMPLEX

ADDRESS: 5001 RODEO ROAD
LOS ANGELES, CA 90016

WORK ORDER NO. E1907694
PLAN FILE NO.
DRAWING NO. A-210
SHEET OF SHEETS

PLOTTED: 12/22/2016 4:20:31 PM

REVISION DATES (DESIGN STAGE ONLY)

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TEMPLATE SHEET REVISION DATE: 08/2014
REVISION DATE: 10/24/2016 5:30 PM
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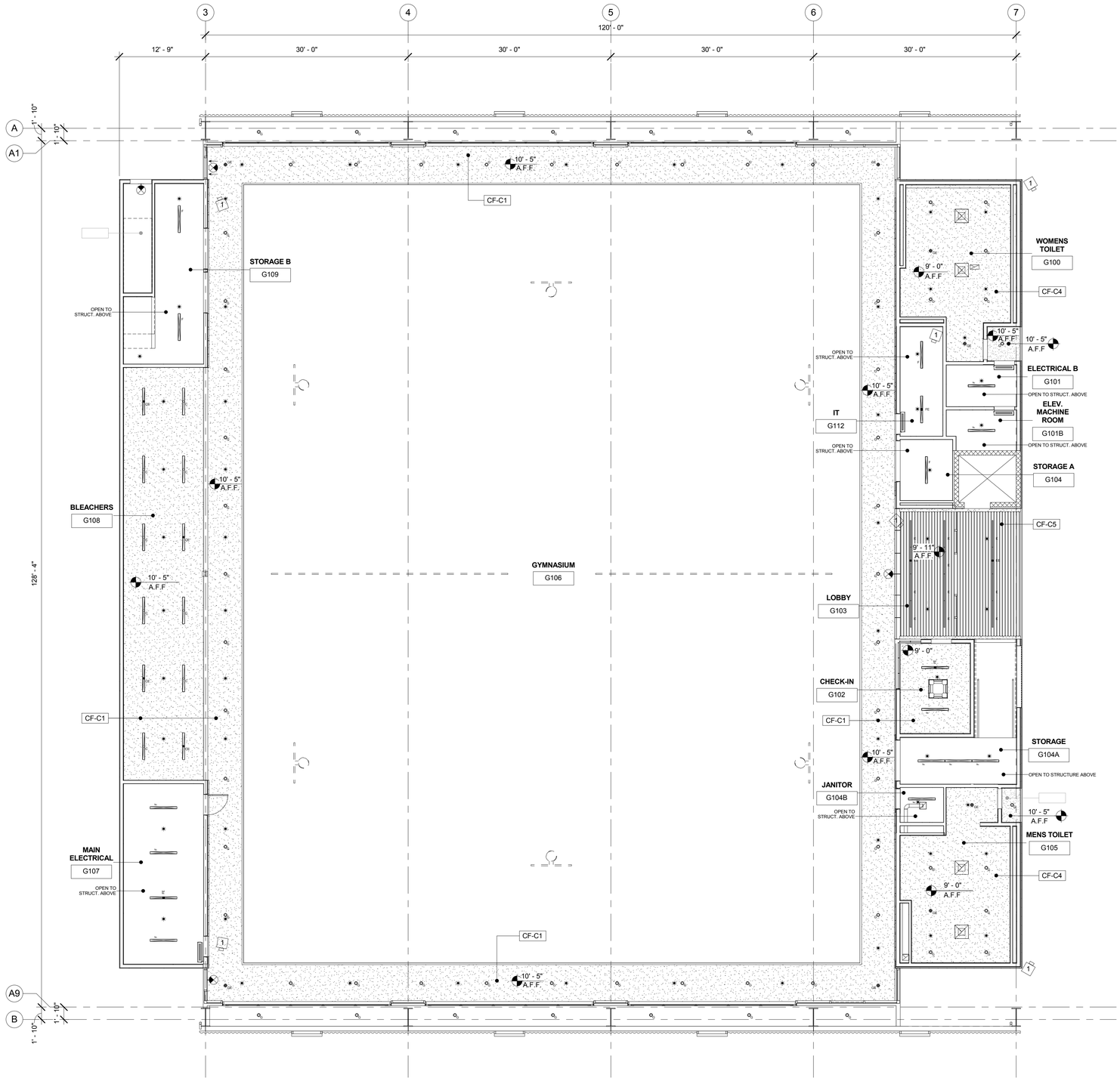

1 REFLECTED CEILING PLAN - GYMNASIUM
1/8" = 1'-0"

GENERAL NOTES

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8. SEE A-300 FOR PEMB DESIGN/BUILD SCOPE

CEILING PLAN ANNOTATION LEGEND

X'-X" A.F.F. — SPOT ELEVATION ABOVE FINISHED FLOOR PER PLAN

CEILING FINISH LEGEND

C1	GYP. BOARD
C2	PTD. SOFFIT BOARD
C3	ACOUSTIC CEILING PANEL
C4	MOISTURE RESISTANT GYP.
C5	METAL BLADE CEILING

CEILING MOUNTED FIXTURE LEGEND

- RETURN AIR REGISTER / GRILLED / DIFFUSER
- EXHAUST AIR REGISTER / GRILLED / DIFFUSER
- SUPPLY AIR REGISTER / GRILLED / DIFFUSER
- SUPPLY AIR DUCT UP
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- RETURN AIR DUCT UP
- RETURN AIR DUCT DOWN
- FIRE SPRINKLER HEAD AND SYSTEM PER SPECIFICATION

LIGHT FIXTURE LEGEND

TYPE - A	BASKETBALL COURTS AND POOL LED. HIGH WATT PENDANT.
TYPE - B	NOT USED
TYPE - C	LINEAR LENSED STRIP. 4'
TYPE - CE	LINEAR LENSED STRIP. 4', EM,
TYPE - C1	RECESSED LINEAR STRIP. 4'
TYPE - C1E	RECESSED LINEAR STRIP. 4', EM,
TYPE - D	VANDAL RESISTANT LED WET LISTED FIXTURE.
TYPE - DE	VANDAL RESISTANT LED WET LISTED FIXTURE, EM
TYPE - E	LINEAR NARROW AND SHALLOW FIXTURE.
TYPE - EE	LINEAR NARROW AND SHALLOW FIXTURE., EM
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TYPE - G	RECESSED DOWNLIGHT, 4".
TYPE - GE	RECESSED DOWNLIGHT, 4". EM.
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TYPE - I	LED 2X2 RECESSED BASKET FIXTURE.
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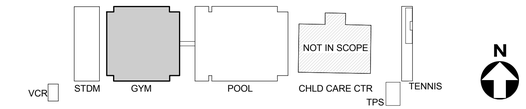
TYPE - P	EXTERIOR STAIRS LED LIGHT
TYPE - PE	EXTERIOR STAIRS LED LIGHT, EM

KEY PLAN



BUREAU OF ENGINEERING — OFFICIAL RECORD

BID SET SUBMITTAL

CITY OF LOS ANGELES — DEPARTMENT OF PUBLIC WORKS — BUREAU OF ENGINEERING — CITY OF LOS ANGELES

GARY LEE MOORE, PE, ENV SP — CITY ENGINEER — DATE:
ARCHITECTURAL DIVISION — LIC. NO. C-19741
ARCHITECT: ZOLTAN E. PALI, FAIA
DESIGNED BY: ZEP
DRAWN BY: AOS
CHECKED BY: SM
APPROVED BY: MAHMOOD KARIMZADEH, A.I.A., PRINCIPAL ARCHITECT

NO. REVISIONS: — DATE: BY:

BUILDING NO.

INDEX NO. RP 300094

LICENSED ARCHITECT — ZOLTAN E. PALI — C-19741 — 5/31/2017 — RENEWAL DATE — STATE OF CALIFORNIA

VERTICAL CONTROL:
HORIZONTAL CONTROL:

SHEET TITLE: GROUND LEVEL REFLECTED CEILING PLAN - GYMNASIUM

PROJECT: RANCHO CIENEGA SPORTS COMPLEX

ADDRESS: 5001 RODEO ROAD LOS ANGELES, CA 90016

WORK ORDER NO. E1907694
PLAN FILE NO.
DRAWING NO. A-211
SHEET OF SHEETS

PLOTTED: 12/22/2016 4:20:35 PM

REVISION DATES (DESIGN STAGE ONLY)

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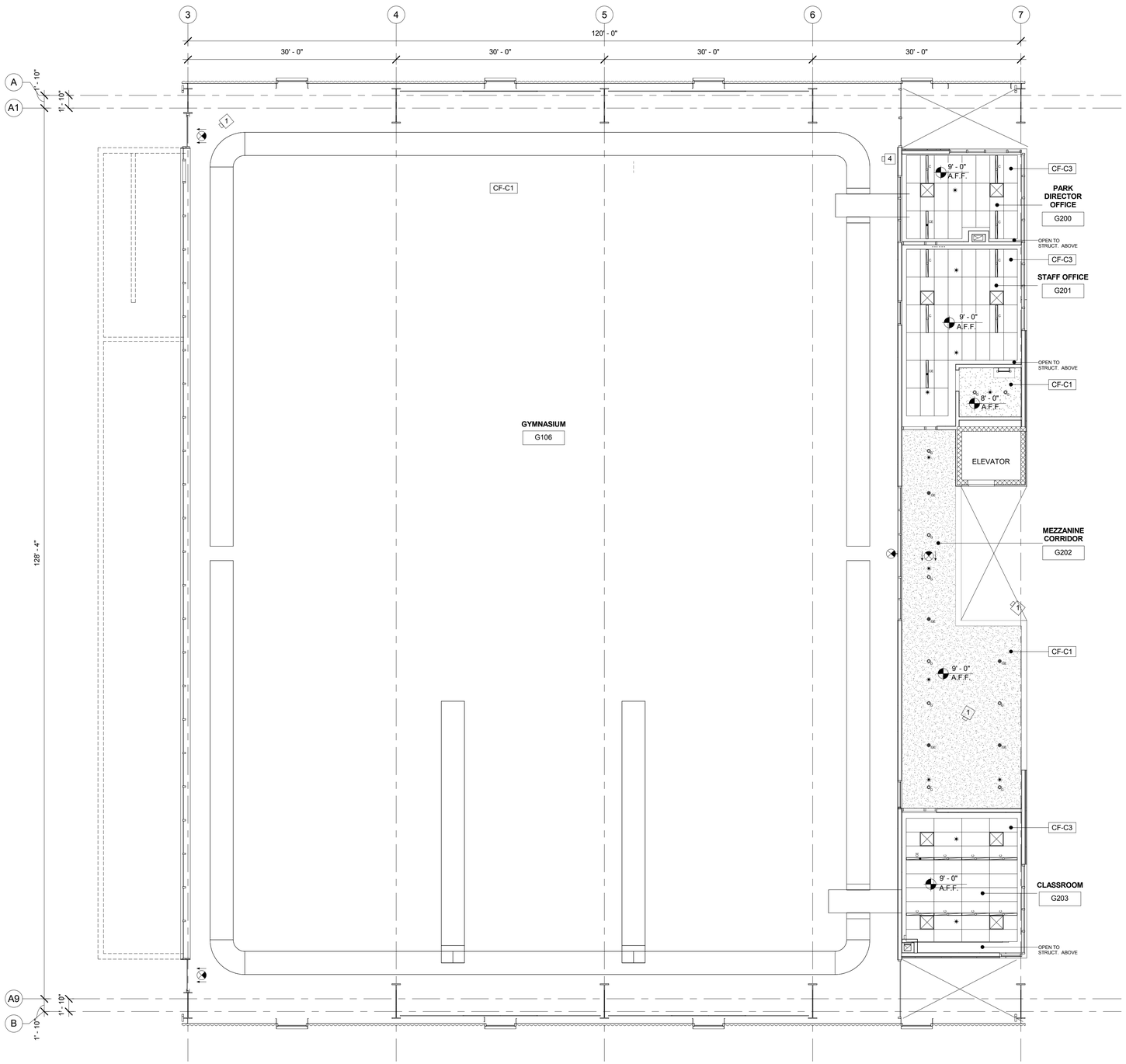

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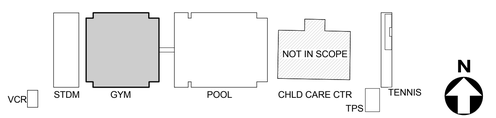

BUREAU OF ENGINEERING — OFFICIAL RECORD

BID SET SUBMITTAL

CITY OF LOS ANGELES — DEPARTMENT OF PUBLIC WORKS — BUREAU OF ENGINEERING

ENGINEERING — CITY OF LOS ANGELES

NO. REVISIONS: DATE: BY:

BUILDING NO.

INDEX NO. RP 300094

LICENSED ARCHITECT — ZOLTAN E. PALI — C-19741 — 5/31/2017 — RENEWAL DATE — STATE OF CALIFORNIA

GARY LEE MOORE, PE, ENV SP — CITY ENGINEER — DATE:
ARCHITECTURAL DIVISION
ARCHITECT: ZOLTAN E. PALI, FAIA — LIC. NO. C-19741
DESIGNED BY: ZEP
DRAWN BY: AOS
CHECKED BY: SM
APPROVED BY: MAHMOOD KARIMZADEH, A.I.A., PRINCIPAL ARCHITECT

VERTICAL CONTROL:
HORIZONTAL CONTROL:

SHEET TITLE: MEZZANINE LEVEL REFLECTED CEILING PLAN - GYMNASIUM

PROJECT: RANCHO CIENEGA SPORTS COMPLEX

ADDRESS: 5001 RODEO ROAD
LOS ANGELES, CA 90016

WORK ORDER NO. E1907694
PLAN FILE NO.
DRAWING NO. A-212
SHEET OF SHEETS

PLOTTED: 12/22/2016 4:20:38 PM

REVISION DATES (DESIGN STAGE ONLY)

TEMPLATE SHEET REVISION DATE: 08/2014
REVISION DATE: 10/24/2016 5:30 PM
FILE: Z:\14-018 RANCHO CIENEGA SPORTS COMPLEX\DRAWINGS\REVIT\LINKS-AUTOCAD\BOE_TITLEBLOCK_CD_90PERCENT.DWG

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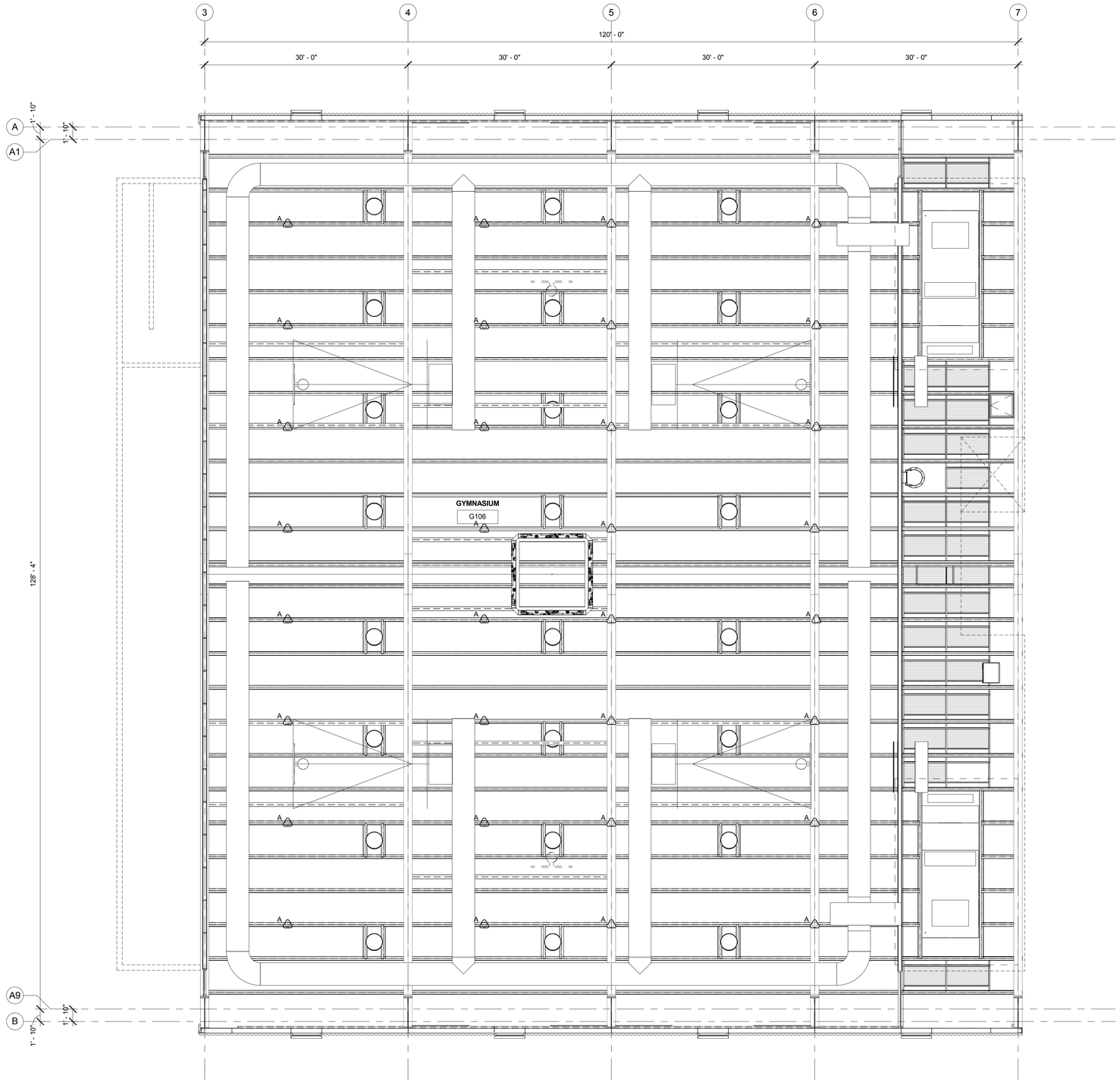

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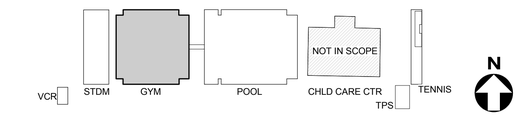

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CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS

BUREAU OF ENGINEERING — CITY OF LOS ANGELES

NO. REVISIONS: DATE: BY:

BUILDING NO.

INDEX NO. RP 300094

LICENSED ARCHITECT — JOHN ELLIOTT PALI — C-19741 — 5/31/2017 — STATE OF CALIFORNIA

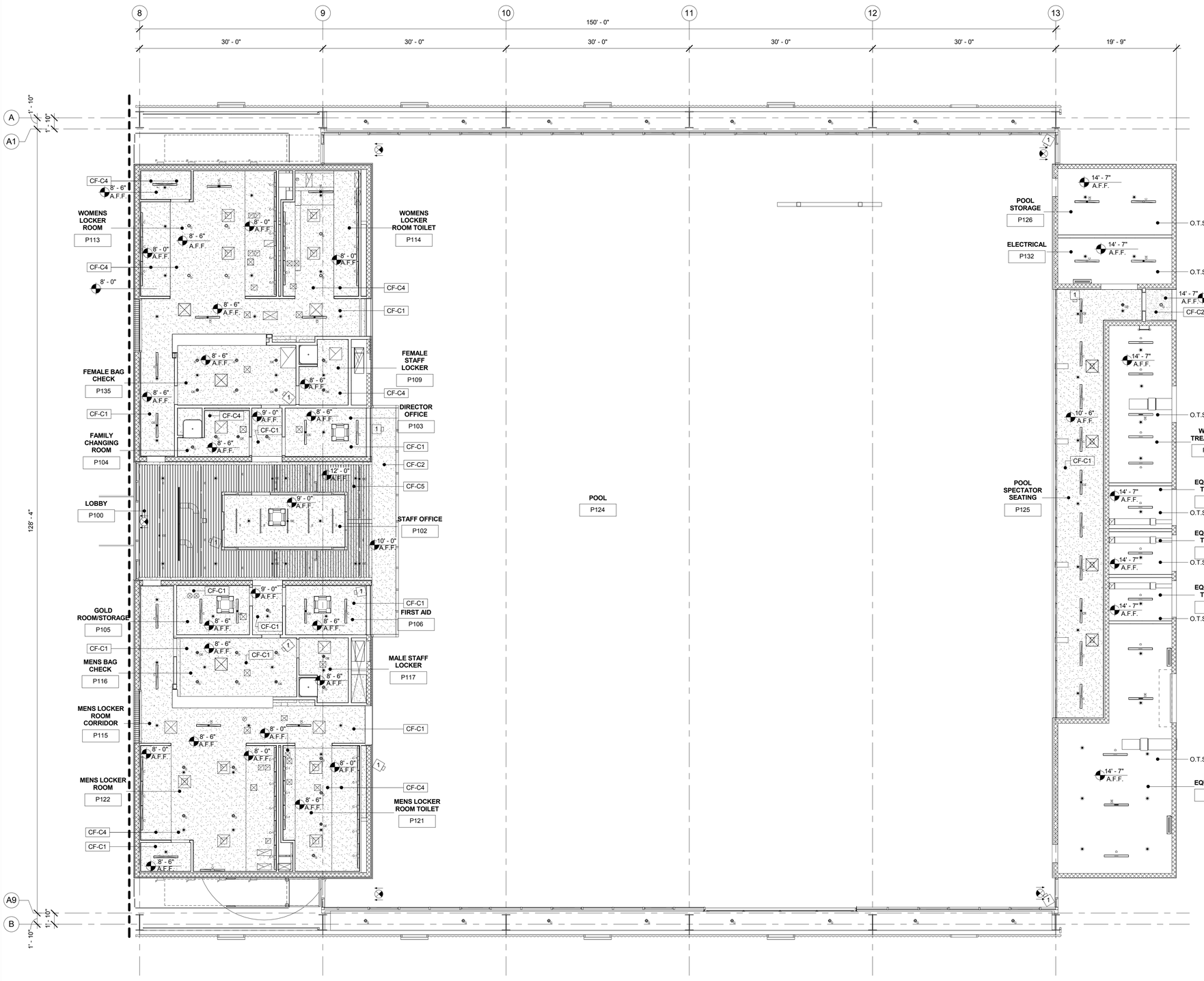
GARY LEE MOORE, PE, ENV SP — CITY ENGINEER — DATE:
ARCHITECTURAL DIVISION — LIC. NO. C-19741
ARCHITECT: ZOLTAN E. PALI, FAIA
DESIGNED BY: ZEP
DRAWN BY: AOS
CHECKED BY: SM
APPROVED BY: MAHMOOD KARIMZADEH, A.I.A., PRINCIPAL ARCHITECT

VERTICAL CONTROL:
HORIZONTAL CONTROL:
SHEET TITLE: ROOF LEVEL REFLECTED CEILING PLAN - GYM
PROJECT: RANCHO CIENEGA SPORTS COMPLEX
ADDRESS: 5001 RODEO ROAD LOS ANGELES, CA 90016

WORK ORDER NO. E1907694
PLAN FILE NO.
DRAWING NO. A-213
SHEET OF SHEETS

REVISION DATES (DESIGN STAGE ONLY)

PLOTTED: 12/22/2016 4:20:40 PM



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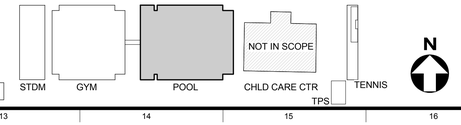

ENGINEERING — CITY OF LOS ANGELES

BUREAU OF ENGINEERING

NO.	REVISIONS:	DATE:	BY:

BUILDING NO.

INDEX NO. RP 300094

LICENSED ARCHITECT — ZOLTAN E. PALI — C-19741 — 5/31/2017 — STATE OF CALIFORNIA

BID SET SUBMITTAL

CITY OF LOS ANGELES — DEPARTMENT OF PUBLIC WORKS

GARY LEE MOORE, PE, ENV SP — CITY ENGINEER — DATE:

ARCHITECTURAL DIVISION — LIC. NO. C-19741

ARCHITECT: ZOLTAN E. PALI, FAIA — DESIGNED BY: ZEP — DRAWN BY: AOS — CHECKED BY: SM

APPROVED BY: MAHMOOD KARIMZADEH, A.I.A., PRINCIPAL ARCHITECT

VERTICAL CONTROL:

HORIZONTAL CONTROL:

SHEET TITLE: GROUND LEVEL REFLECTED CEILING PLAN - POOL

PROJECT: RANCHO CIENEGA SPORTS COMPLEX

ADDRESS: 5001 RODEO ROAD LOS ANGELES, CA 90016

WORK ORDER NO. E1907694

PLAN FILE NO.

DRAWING NO. A-214

SHEET OF SHEETS

PLOTTED: 12/22/2016 4:20:46 PM

REVISION DATES (DESIGN STAGE ONLY)

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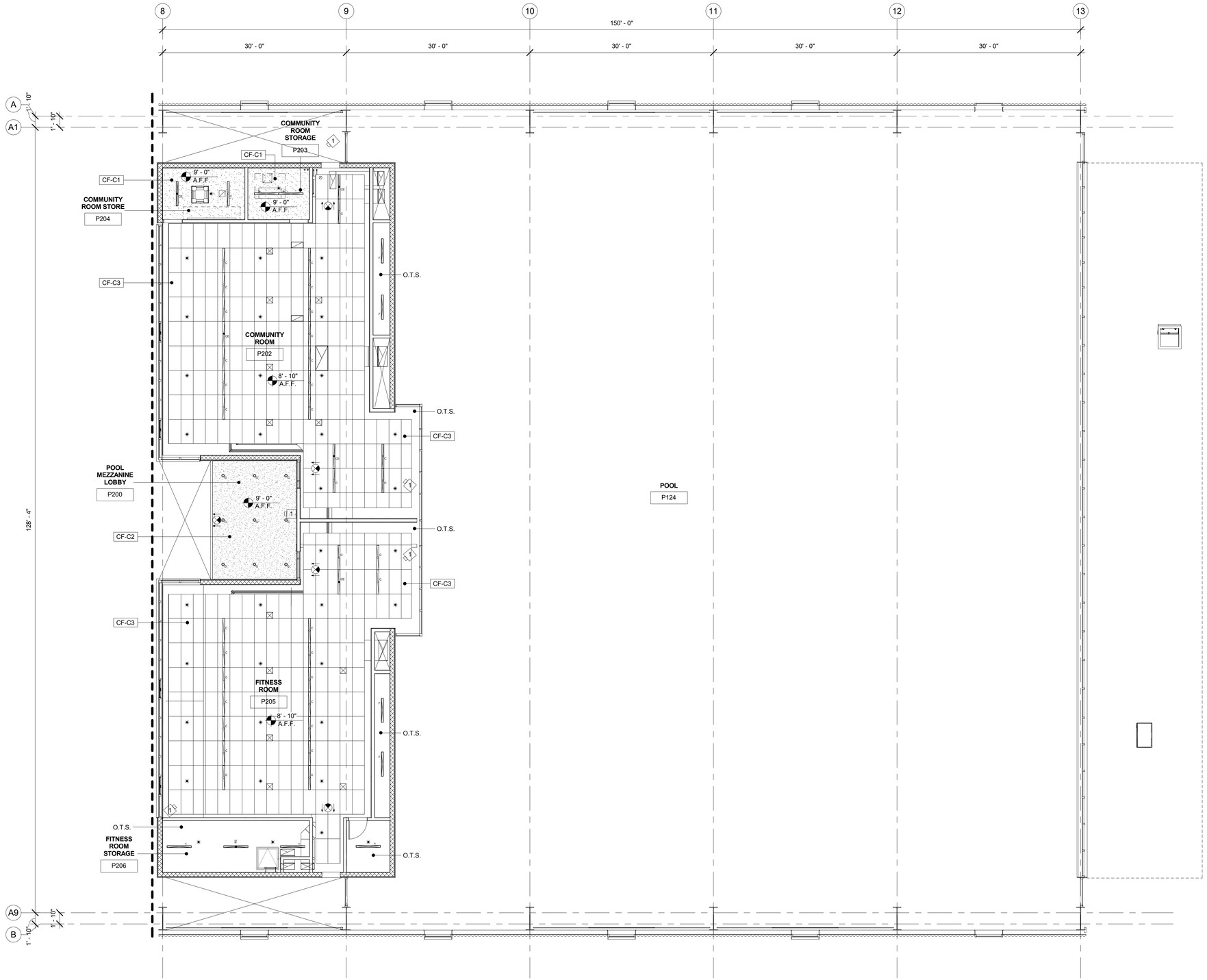

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CEILING MOUNTED FIXTURE LEGEND

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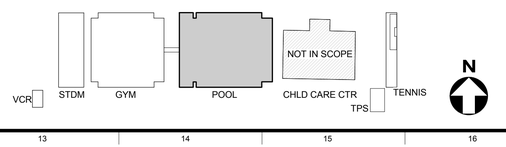
- EXHAUST AIR REGISTER / GRILLED / DIFFUSER
- SUPPLY AIR REGISTER / GRILLED / DIFFUSER
- SUPPLY AIR DUCT UP
- SUPPLY AIR DUCT DOWN
- RETURN AIR DUCT UP
- RETURN AIR DUCT DOWN
- FIRE SPRINKLER HEAD AND SYSTEM PER SPECIFICATION

LIGHT FIXTURE LEGEND

TYPE - A	BASKETBALL COURTS AND POOL LED. HIGH WATT PENDANT.
TYPE - B	NOT USED
TYPE - C	LINEAR LENSED STRIP. 4'
TYPE - CE	LINEAR LENSED STRIP. 4', EM,
TYPE - C1	RECESSED LINEAR STRIP. 4'
TYPE - C1E	RECESSED LINEAR STRIP. 4', EM,
TYPE - D	VANDAL RESISTANT LED WET LISTED FIXTURE.
TYPE - DE	VANDAL RESISTANT LED WET LISTED FIXTURE, EM
TYPE - E	LINEAR NARROW AND SHALLOW FIXTURE.
TYPE - EE	LINEAR NARROW AND SHALLOW FIXTURE., EM
TYPE - F	LED LIGHT STRIP, 4'
TYPE - FE	LED LIGHT STRIP, 4', EM
TYPE - G	RECESSED DOWNLIGHT, 4".
TYPE - GE	RECESSED DOWNLIGHT, 4". EM.
TYPE - H	PERIMETER FIXTURE WALL GRAZE.
TYPE - I	LED 2X2 RECESSED BASKET FIXTURE.
TYPE - IE	LED 2X2 RECESSED BASKET FIXTURE. EM
TYPE - J	STAIRWELL FIXTURES. LED 40K 3".
TYPE - JE	STAIRWELL FIXTURES. LED 40K 3". EM
TYPE - K	EXTERIOR WALL MOUNTED FIXTURE. WET LISTED.
TYPE - L	SURFACE MOUNTED FIXTURE. LED. VANDAL RESISTANT.
TYPE - LE	SURFACE MOUNTED FIXTURE. LED. VANDAL RESISTANT. EM
TYPE - M	DIE CAST ALUMINUM EXIT SIGN.
TYPE - M1	DIE CAST ALUMINUM WALL MOUNTED EXIT SIGN.
TYPE - N	DECORATIVE LED. HIGH BAY.
TYPE - P	EXTERIOR STAIRS LED LIGHT
TYPE - PE	EXTERIOR STAIRS LED LIGHT, EM

BUREAU OF ENGINEERING — OFFICIAL RECORD

KEY PLAN



BUREAU OF ENGINEERING — CITY OF LOS ANGELES

NO.	REVISIONS:	DATE:	BY:

BUILDING NO.

INDEX NO. RP 300094

LICENSED ARCHITECT — JOHN E. PALI — C-19741 — 5/31/2017 — RENEWAL DATE — STATE OF CALIFORNIA

BID SET SUBMITTAL

CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS

GARY LEE MOORE, PE, ENV SP — CITY ENGINEER — DATE:
ARCHITECTURAL DIVISION — LIC. NO. C-19741
ARCHITECT: ZOLTAN E. PALI, FAIA — DESIGNED BY: ZEP — DRAWN BY: AOS — CHECKED BY: SM
APPROVED BY: MAHMOOD KARIMZADEH, A.I.A., PRINCIPAL ARCHITECT

VERTICAL CONTROL:
HORIZONTAL CONTROL:

SHEET TITLE: MEZZANINE LEVEL REFLECTED CEILING PLAN - POOL

PROJECT: RANCHO CIENEGA SPORTS COMPLEX

ADDRESS: 5001 RODEO ROAD LOS ANGELES, CA 90016

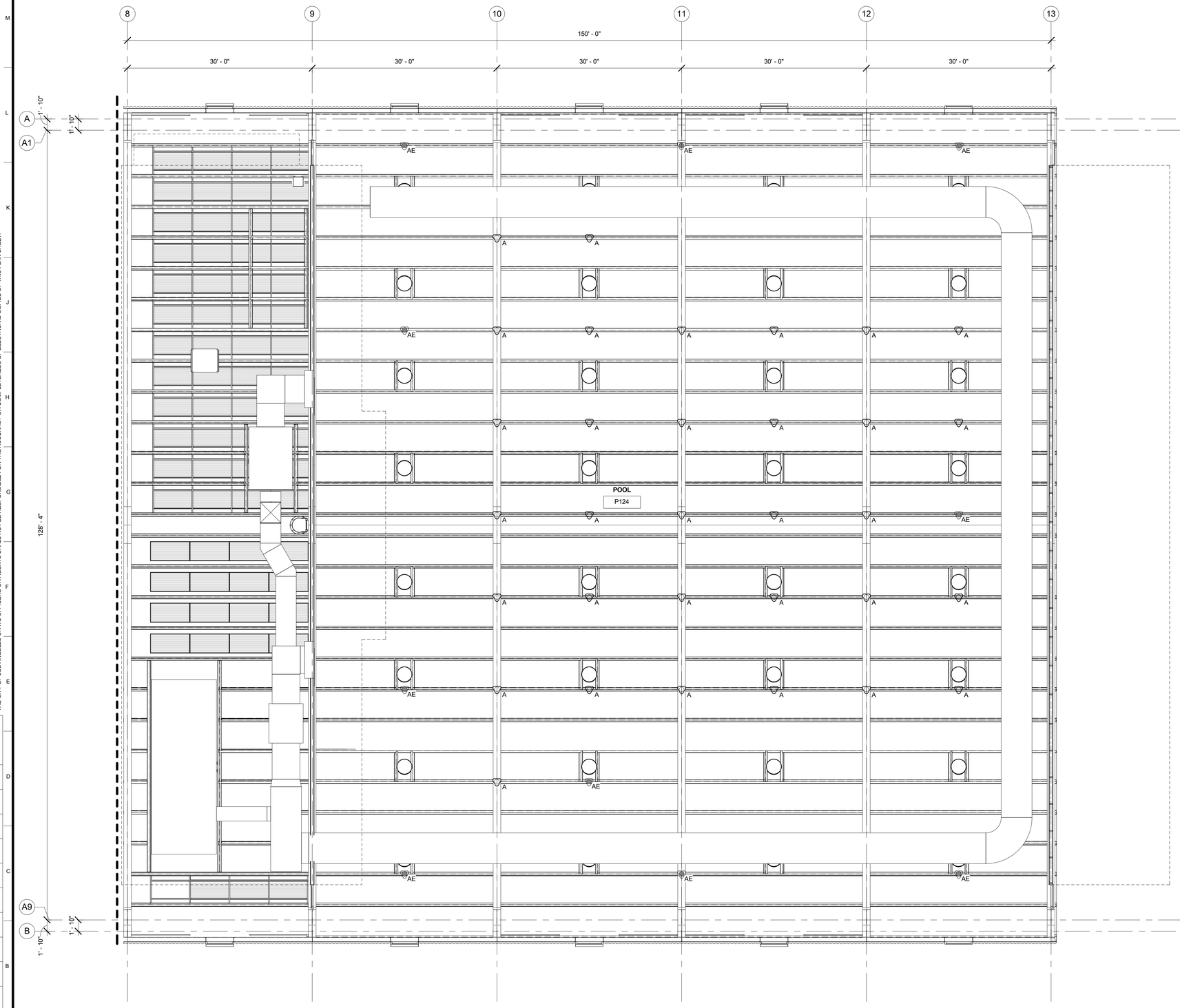
WORK ORDER NO. E1907694
PLAN FILE NO.
DRAWING NO. A-215
SHEET OF SHEETS

PLOTTED: 12/22/2016 4:20:48 PM

REVISION DATES (DESIGN STAGE ONLY)

TEMPLATE SHEET REVISION DATE: 08/20/14
REVISION DATE: 10/24/2016 5:30 PM
FILE: Z:\14-018 RANCHO CIENEGA SPORTS COMPLEX\DRAWINGS\REVIT\LINKS-AUTOCAD\BOE_TITLEBLOCK_CD_90PERCENT.DWG

THE CITY OF LOS ANGELES OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF ELECTRONIC COPIES OF THIS PLAN SHEET.



1 REFLECTED CEILING PLAN - POOL
1/8" = 1'-0"

GENERAL NOTES

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4. GRID REFERENCES AND DIMENSIONS ARE INDICATED FOR REFERENCE ONLY
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6. PROVIDE ANTI-GRAFFITI COATING @ ALL EXTERIOR WALLS. AGC TO BE APPLIED TO TOP OF FIRST FLOOR WALLS. SEE SECTION 09 86 00
7. ALL EXPOSED STEEL (EXTERIOR AND INTERIOR) TO BE PAINTED W/ HIGH PERFORMANCE COATING.
8. SEE A-300 FOR PEMB DESIGN/BUILD SCOPE

CEILING PLAN ANNOTATION LEGEND

X'-X" A.F.F. — SPOT ELEVATION ABOVE FINISHED FLOOR PER PLAN

CEILING FINISH LEGEND

- C1 — GYP. BOARD
- C2 — PTD. SOFFIT BOARD
- C3 — ACOUSTIC CEILING PANEL
- C4 — MOISTURE RESISTANT GYP.
- C5 — METAL BLADE CEILING

CEILING MOUNTED FIXTURE LEGEND

- RETURN AIR REGISTER / GRILLED / DIFFUSER
- EXHAUST AIR REGISTER / GRILLED / DIFFUSER
- SUPPLY AIR REGISTER / GRILLED / DIFFUSER
- SUPPLY AIR DUCT UP
- SUPPLY AIR DUCT DOWN
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- RETURN AIR DUCT DOWN
- FIRE SPRINKLER HEAD AND SYSTEM PER SPECIFICATION

LIGHT FIXTURE LEGEND

- TYPE - A — BASKETBALL COURTS AND POOL LED. HIGH WATT PENDANT.
- TYPE - B — NOT USED
- TYPE - C — LINEAR LENSED STRIP. 4'
- TYPE - CE — LINEAR LENSED STRIP. 4', EM,
- TYPE - C1 — RECESSED LINEAR STRIP. 4'
- TYPE - C1E — RECESSED LINEAR STRIP. 4', EM,
- TYPE - D — VANDAL RESISTANT LED WET LISTED FIXTURE.
- TYPE - DE — VANDAL RESISTANT LED WET LISTED FIXTURE, EM
- TYPE - E — LINEAR NARROW AND SHALLOW FIXTURE.
- TYPE - EE — LINEAR NARROW AND SHALLOW FIXTURE., EM
- TYPE - F — LED LIGHT STRIP, 4'
- TYPE - FE — LED LIGHT STRIP, 4', EM
- TYPE - G — RECESSED DOWNLIGHT, 4".
- TYPE - GE — RECESSED DOWNLIGHT, 4". EM.
- TYPE - H — PERIMETER FIXTURE WALL GRAZE.
- TYPE - I — LED 2X2 RECESSED BASKET FIXTURE.
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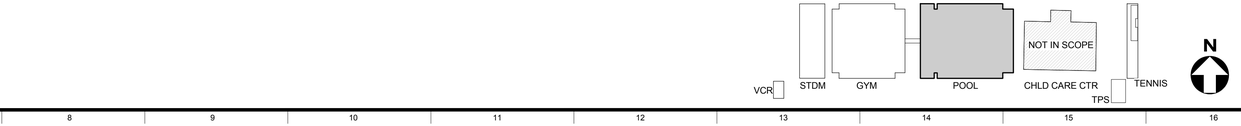
- TYPE - J — STAIRWELL FIXTURES. LED 40K 3".
- TYPE - JE — STAIRWELL FIXTURES. LED 40K 3". EM
- TYPE - K — EXTERIOR WALL MOUNTED FIXTURE. WET LISTED.
- TYPE - L — SURFACE MOUNTED FIXTURE. LED. VANDAL RESISTANT.
- TYPE - LE — SURFACE MOUNTED FIXTURE. LED. VANDAL RESISTANT. EM
- TYPE - M — DIE CAST ALUMINUM EXIT SIGN.
- TYPE - M1 — DIE CAST ALUMINUM WALL MOUNTED EXIT SIGN.
- TYPE - N — DECORATIVE LED. HIGH BAY.
- TYPE - P — EXTERIOR STAIRS LED LIGHT
- TYPE - PE — EXTERIOR STAIRS LED LIGHT, EM

BUREAU OF ENGINEERING — OFFICIAL RECORD

KEY PLAN



BID SET SUBMITTAL

CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS
BUREAU OF ENGINEERING
CITY OF LOS ANGELES

NO.	REVISIONS:	DATE:	BY:

BUILDING NO.

INDEX NO. RP 300094

LICENSED ARCHITECT — ZOLTAN E. PALI — C-19741 — 5/31/2017 — RENEWAL DATE — STATE OF CALIFORNIA

VERTICAL CONTROL:	
HORIZONTAL CONTROL:	
SHEET TITLE:	ROOF LEVEL REFLECTED CEILING PLAN - POOL
PROJECT:	RANCHO CIENEGA SPORTS COMPLEX
ADDRESS:	5001 RODEO ROAD LOS ANGELES, CA 90016

GARY LEE MOORE, PE, ENV SP — CITY ENGINEER
ARCHITECTURAL DIVISION
DATE:
ARCHITECT: ZOLTAN E. PALI, FAIA — LIC. NO. C-19741
DESIGNED BY: ZEP
DRAWN BY: AOS
CHECKED BY: SM
APPROVED BY: MAHMOOD KARIMZADEH, A.I.A., PRINCIPAL ARCHITECT

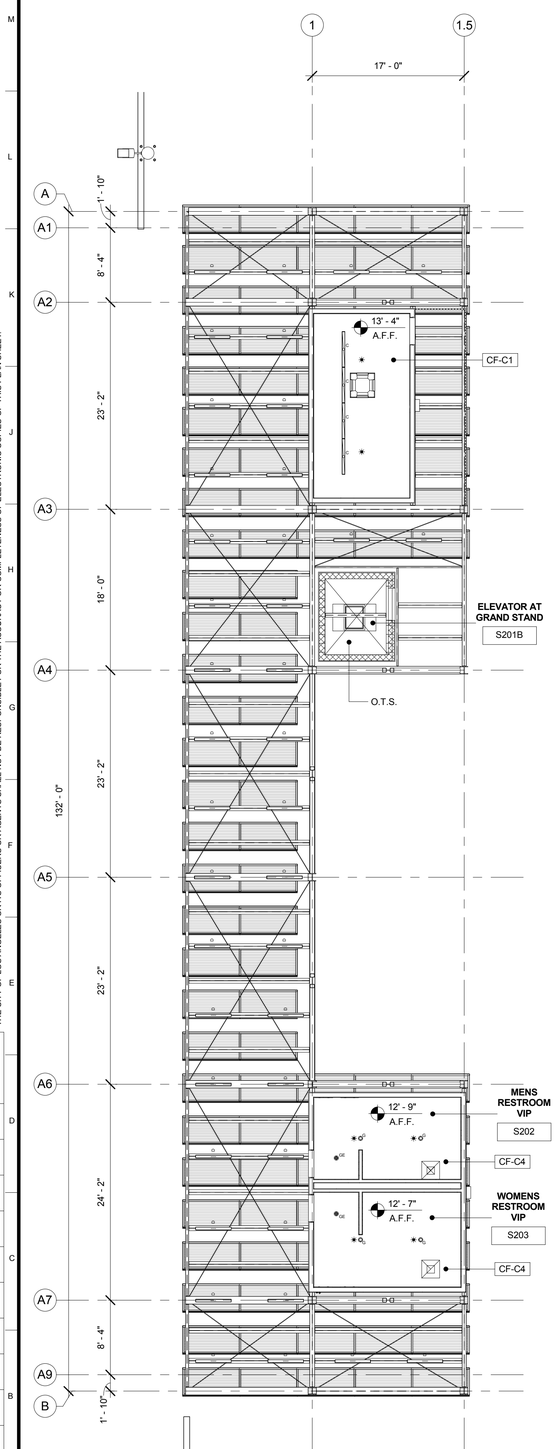
WORK ORDER NO. E1907694
PLAN FILE NO.
DRAWING NO. A-216
SHEET OF SHEETS

PLOTTED: 12/22/2016 4:20:52 PM

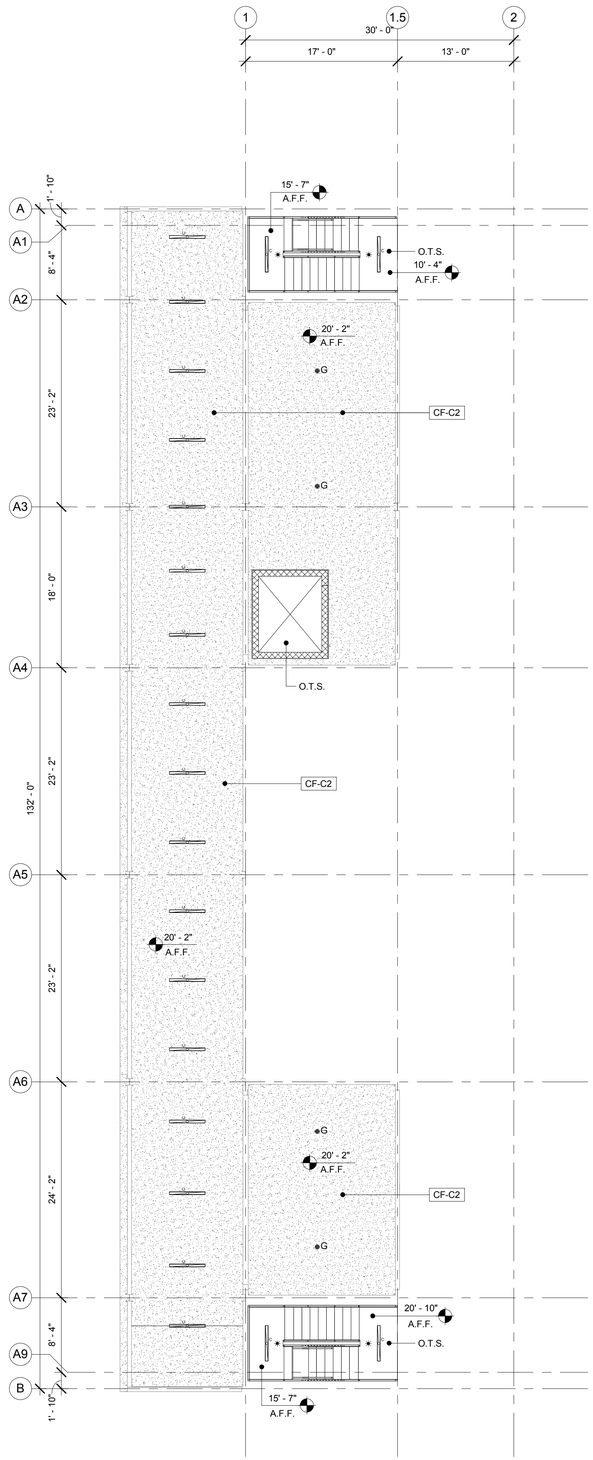
THE CITY OF LOS ANGELES OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF ELECTRONIC COPIES OF THIS PLAN SHEET.

REVISION DATES (DESIGN STAGE ONLY)

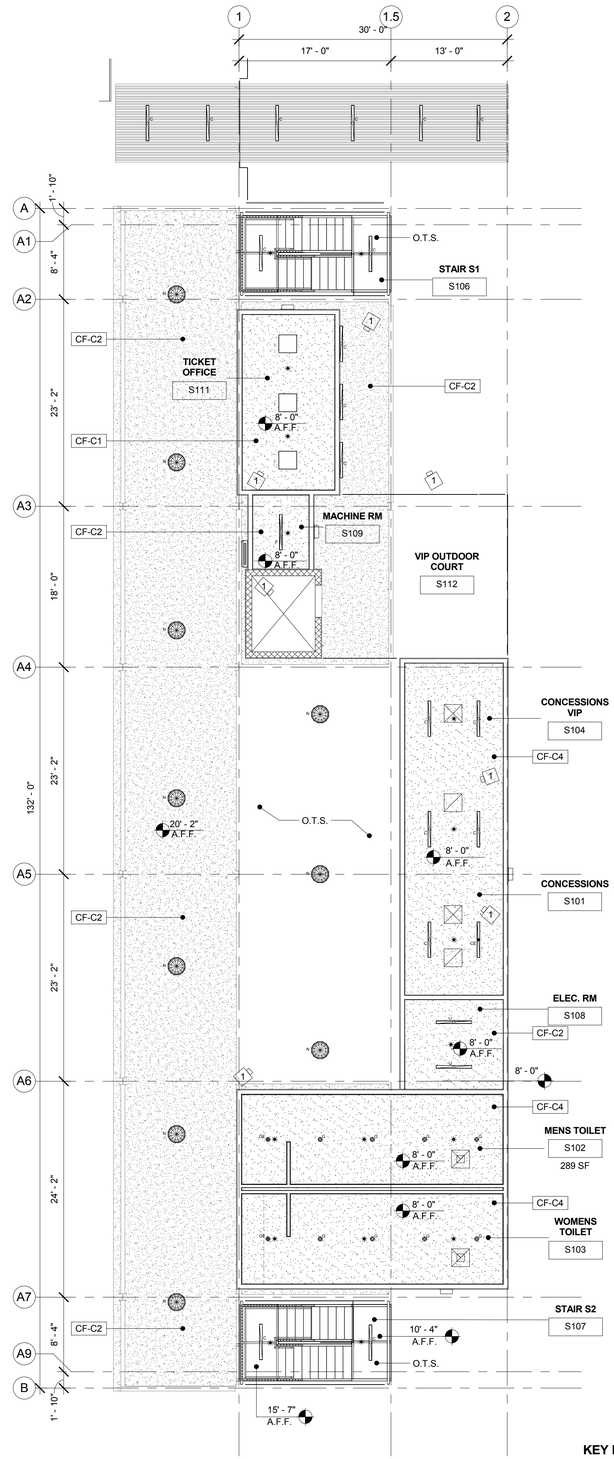
TEMPLATE SHEET REVISION DATE: 08/2014
REVISION DATE: 10/24/2016 5:30 PM
FILE: Z:\14-018 RANCHO CIENEGA SPORTS COMPLEX\DRAWINGS\REVITLINKS-AUTOCAD\BOE_TITLEBLOCK_CD_90PERCENT.DWG



3 OVERLOOK LEVEL RCP - STADIUM OVERLOOK
1/8" = 1'-0"



2 EXTERIOR UNDER OVERLOOK RCP - STADIUM CONCESSIONS
1/8" = 1'-0"



1 GROUND LEVEL RCP - STADIUM CONCESSIONS
1/8" = 1'-0"

GENERAL NOTES

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8. SEE A-300 FOR PEMB DESIGN/BUILD SCOPE

CEILING PLAN ANNOTATION LEGEND

X'-X" A.F.F. — SPOT ELEVATION ABOVE FINISHED FLOOR PER PLAN

CEILING FINISH LEGEND

C1	GYP. BOARD
C2	PTD. SOFFIT BOARD
C3	ACOUSTIC CEILING PANEL
C4	MOISTURE RESISTANT GYP.
C5	METAL BLADE CEILING

CEILING MOUNTED FIXTURE LEGEND

- RETURN AIR REGISTER / GRILLED / DIFFUSER
- EXHAUST AIR REGISTER / GRILLED / DIFFUSER
- SUPPLY AIR REGISTER / GRILLED / DIFFUSER
- SUPPLY AIR DUCT UP
- SUPPLY AIR DUCT DOWN
- RETURN AIR DUCT UP
- RETURN AIR DUCT DOWN
- FIRE SPRINKLER HEAD AND SYSTEM PER SPECIFICATION

LIGHT FIXTURE LEGEND

TYPE - A	BASKETBALL COURTS AND POOL LED. HIGH WATT PENDANT.
TYPE - B	NOT USED
TYPE - C	LINEAR LENSED STRIP. 4'
TYPE - CE	LINEAR LENSED STRIP. 4', EM,
TYPE - C1	RECESSED LINEAR STRIP. 4'
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TYPE - DE	VANDAL RESISTANT LED WET LISTED FIXTURE, EM
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TYPE - EE	LINEAR NARROW AND SHALLOW FIXTURE., EM
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TYPE - GE	RECESSED DOWNLIGHT, 4". EM.
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TYPE - J	STAIRWELL FIXTURES. LED 40K 3".
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TYPE - K	EXTERIOR WALL MOUNTED FIXTURE. WET LISTED.
TYPE - L	SURFACE MOUNTED FIXTURE. LED. VANDAL RESISTANT.
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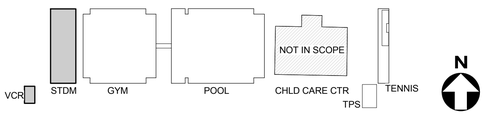
TYPE - M	DIE CAST ALUMINUM EXIT SIGN.
TYPE - M1	DIE CAST ALUMINUM WALL MOUNTED EXIT SIGN.
TYPE - N	DECORATIVE LED. HIGH BAY.
TYPE - P	EXTERIOR STAIRS LED LIGHT
TYPE - PE	EXTERIOR STAIRS LED LIGHT, EM

KEY PLAN



BUREAU OF ENGINEERING
OFFICIAL RECORD

ENGINEERING
CITY OF LOS ANGELES

BUREAU OF ENGINEERING

NO.	REVISIONS:	DATE:	BY:

BUILDING NO.

INDEX NO. RP 300094

REGISTERED ARCHITECT ZOLTAN E. PALI C-19741 5/31/2017 STATE OF CALIFORNIA

BID SET SUBMITTAL

CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS

VERTICAL CONTROL:
HORIZONTAL CONTROL:

SHEET TITLE: RCP - STADIUM CONCESSIONS AND STADIUM OVERLOOK

PROJECT: RANCHO CIENEGA SPORTS COMPLEX

ADDRESS: 5001 RODEO ROAD
LOS ANGELES, CA 90016

CITY ENGINEER	GARY LEE MOORE, PE, ENV SP
DATE:	
ARCHITECTURAL DIVISION	
LIC. NO. C-19741	
ARCHITECT: ZOLTAN E. PALI, FAIA	
DESIGNED BY: ZEP	
DRAWN BY: AOS	
CHECKED BY: SM	
APPROVED BY: MAHMOOD KARIMZADEH, A.I.A., PRINCIPAL ARCHITECT	

WORK ORDER NO. E1907694

PLAN FILE NO.

DRAWING NO. A-217

SHEET OF SHEETS

PLOTTED: 12/22/2016 4:20:58 PM

REVISION DATES (DESIGN STAGE ONLY)

TEMPLATE SHEET REVISION DATE: 08/2014
REVISION DATE: 10/24/2016 5:30 PM FILE: Z:\14-018 RANCHO CIENEGA SPORTS COMPLEX\DRAWINGS\REVITLINKS-AUTOCAD\BOE_TITLEBLOCK_CD_90PERCENT.DWG

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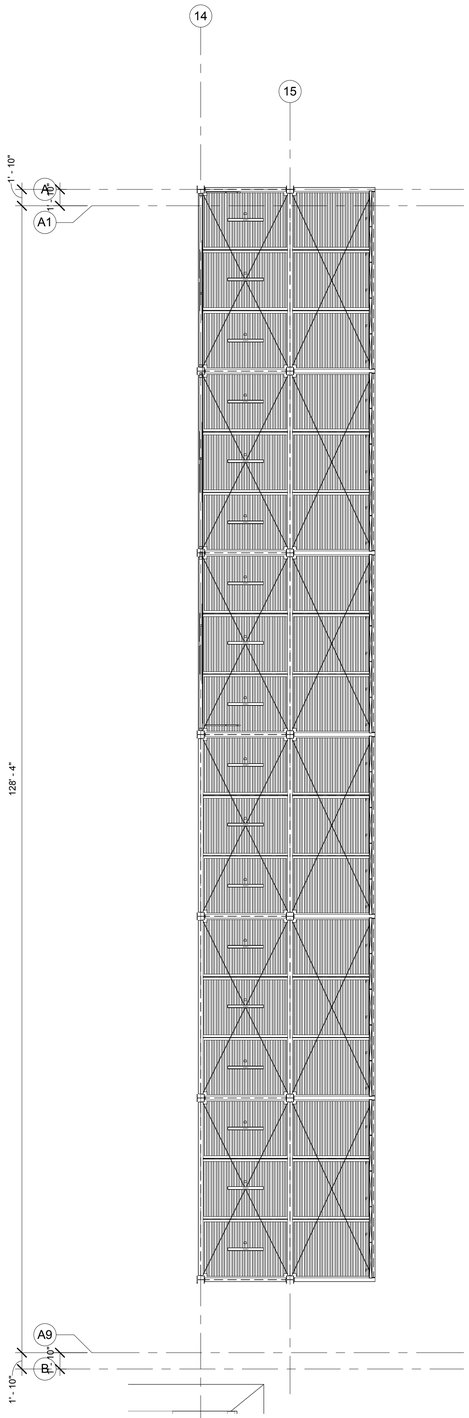
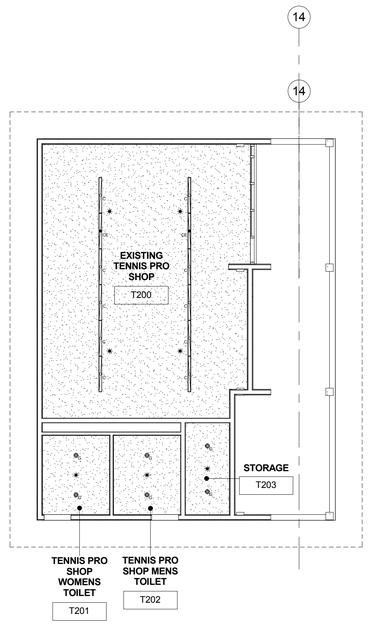
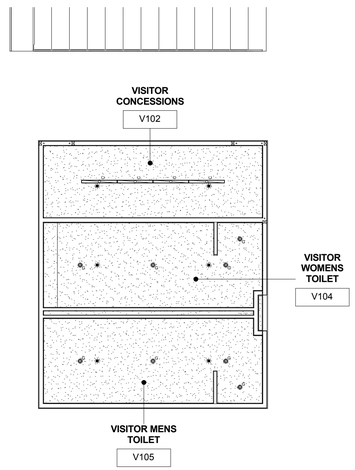


3 GROUND LEVEL RCP - GRANDSTAND
1/8" = 1'-0"



2 GROUND LEVEL RCP - TENNIS PRO SHOP
1/8" = 1'-0"



1 GROUND LEVEL RCP - VISITOR RESTROOM AND CONCESSIONS
1/8" = 1'-0"

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CEILING PLAN ANNOTATION LEGEND

X'-X" A.F.F. — SPOT ELEVATION ABOVE FINISHED FLOOR PER PLAN

CEILING FINISH LEGEND

C1	GYP. BOARD
C2	PTD. SOFFIT BOARD
C3	ACOUSTIC CEILING PANEL
C4	MOISTURE RESISTANT GYP.
C5	METAL BLADE CEILING

CEILING MOUNTED FIXTURE LEGEND

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- EXHAUST AIR REGISTER / GRILLED / DIFFUSER
- SUPPLY AIR REGISTER / GRILLED / DIFFUSER
- SUPPLY AIR DUCT UP
- SUPPLY AIR DUCT DOWN
- RETURN AIR DUCT UP
- RETURN AIR DUCT DOWN
- FIRE SPRINKLER HEAD AND SYSTEM PER SPECIFICATION

LIGHT FIXTURE LEGEND

TYPE - A	BASKETBALL COURTS AND POOL LED. HIGH WATT PENDANT.
TYPE - B	NOT USED
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TYPE - CE	LINEAR LENSED STRIP. 4', EM,
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TYPE - GE	RECESSED DOWNLIGHT, 4". EM.
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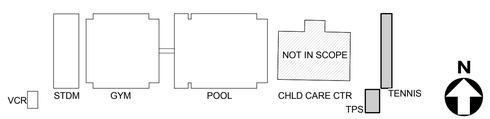
TYPE - M1	DIE CAST ALUMINUM WALL MOUNTED EXIT SIGN.
TYPE - N	DECORATIVE LED. HIGH BAY.
TYPE - P	EXTERIOR STAIRS LED LIGHT
TYPE - PE	EXTERIOR STAIRS LED LIGHT, EM

KEY PLAN



BUREAU OF ENGINEERING
OFFICIAL RECORD

THE CITY OF LOS ANGELES OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF ELECTRONIC COPIES OF THIS PLAN SHEET.

TEMPLATE SHEET REVISION DATE: 08/20/14
REVISION DATE: 10/24/2016 5:30 PM
FILE: Z:\14-018 RANCHO CIENEGA SPORTS COMPLEX\DRAWINGS\REVIT\LINKS-AUTOCAD\BOE_TITLEBLOCK_CD_90PERCENT.DWG

REVISION DATES (DESIGN STAGE ONLY)

BUREAU OF ENGINEERING
ENGINEERING
CITY OF LOS ANGELES

NO.	REVISIONS:	DATE:	BY:

BUILDING NO.

INDEX NO. RP 300094

LICENSED ARCHITECT
JOHN E. PALI
C-19741
5/31/2017
RENEWAL DATE
STATE OF CALIFORNIA

BID SET SUBMITTAL

CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS

GARY LEE MOORE, PE, ENV SP — CITY ENGINEER — DATE:
ARCHITECTURAL DIVISION — LIC. NO. C-19741
ARCHITECT: ZOLTAN E. PALI, FAIA
DESIGNED BY: ZEP
DRAWN BY: AOS
CHECKED BY: SM
APPROVED BY: MAHMOOD KARIMZADEH, A.I.A., PRINCIPAL ARCHITECT

VERTICAL CONTROL:
HORIZONTAL CONTROL:

SHEET TITLE: RCP - EXISTING TENNIS PRO SHOP AND TENNIS GRANDSTANDS

PROJECT: RANCHO CIENEGA SPORTS COMPLEX

ADDRESS: 5001 RODEO ROAD
LOS ANGELES, CA 90016

WORK ORDER NO. E1907694
PLAN FILE NO.
DRAWING NO. A-218
SHEET OF SHEETS

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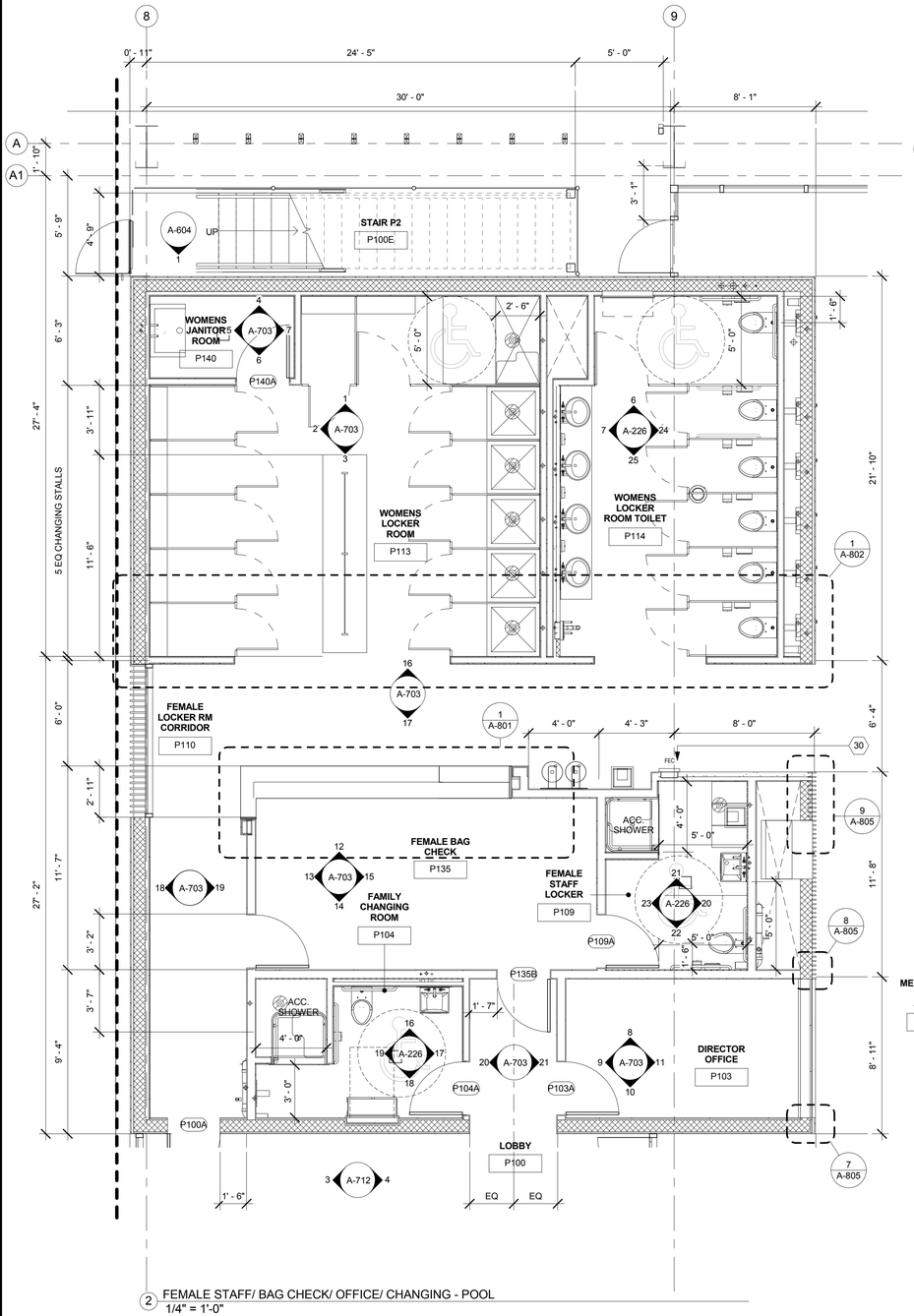
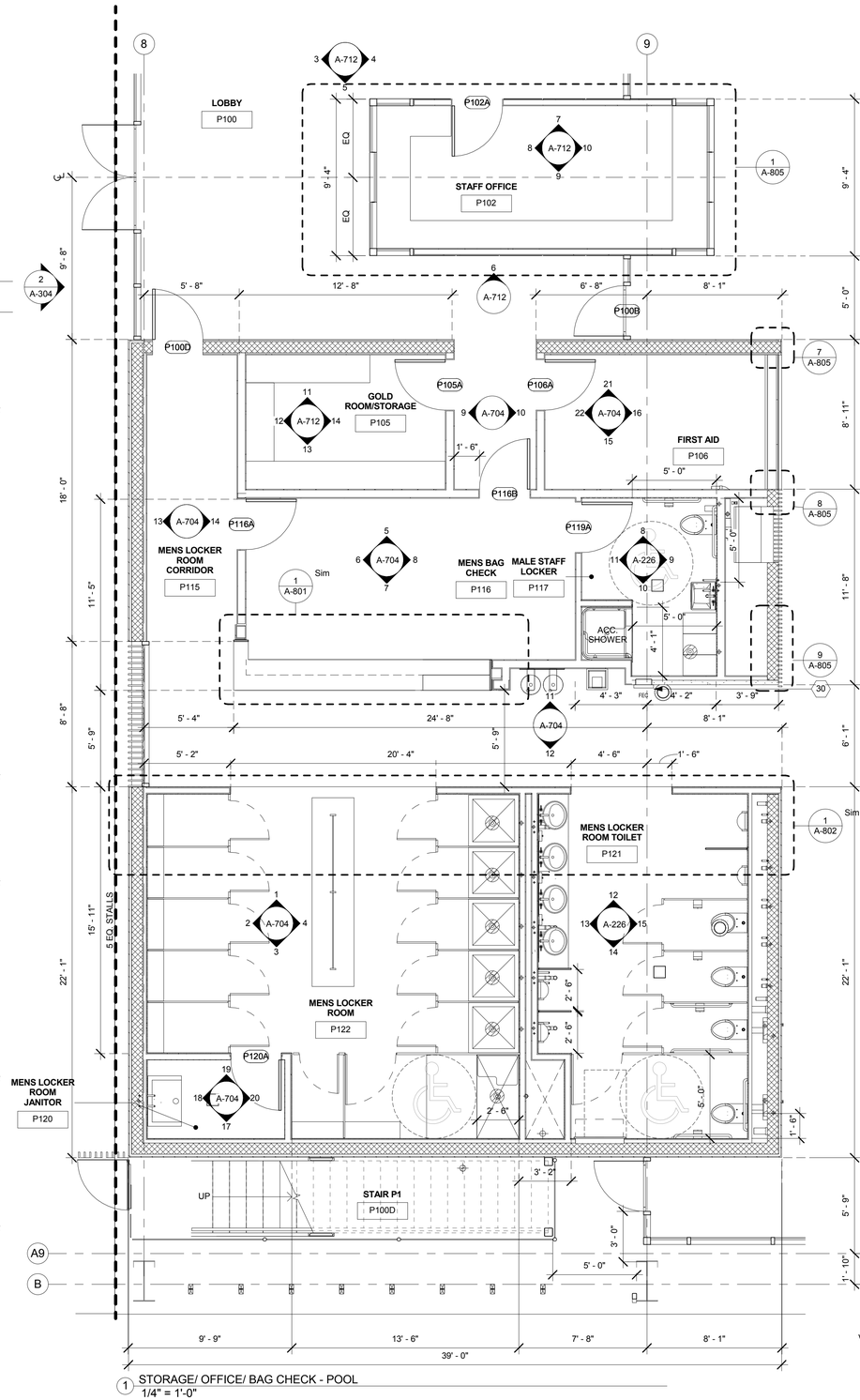


2 FEMALE STAFF/ BAG CHECK/ OFFICE/ CHANGING - POOL
1/4" = 1'-0"



1 STORAGE/ OFFICE/ BAG CHECK - POOL
1/4" = 1'-0"

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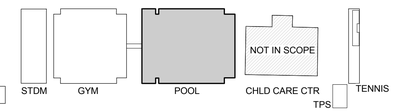
6. PROVIDE ANTI-GRAFFITI COATING @ ALL EXTERIOR WALLS. AGC TO BE APPLIED TO TOP OF FIRST FLOOR WALLS. SEE SECTION 09 86 00
7. ALL EXPOSED STEEL (EXTERIOR AND INTERIOR) TO BE PAINTED W/ HIGH PERFORMANCE COATING.
8. SEE A-300 FOR PEMB DESIGN/BUILD SCOPE

PLAN KEYNOTES

1. COUNTER WITH SLIDING WINDOW
2. COUNTER WITH ROLL UP WINDOW
3. SHOWER STALL
4. CHANGING STALL
5. BENCH
6. STAFF LOCKERS
7. BUILT IN SEATING - BUILT-UP LIGHT GAGE PLATFORM STRUCTURE W/2" LIGHT WT. CONCRETE TOPPING SLAB FINISH
8. DRAIN, SEE PLUMBING DRAWINGS
9. 1METER DIVING BOARD, SEE POOL DRAWINGS
10. METAL GRATING WALKWAY, SEE SPEC SECTION 05 53 05
11. TELESCOPIC BLEACHERS, SEE SPEC SECTION 12 66 60
12. HVAC UNIT, SEE MECHANICAL DWGS. UNIT SITS ON RAISED CURB
13. ROOF ACCESS LADDER, SEE SPEC SECTION 05 51 38
14. ROOD ACCESS HATCH, SEE SECTION 08 30 75
15. DRINKING FOUNTAIN, SEE SPEC SECTION 22 47 18
16. TENNIS OVERLOOK
17. LINE OF BUILDING/ROOF/STRUCTURE ABOVE
18. PRE-ENGINEERED METAL BUILDING FRAME (PEMB), SEE SPEC SECTION 13 34 19
19. GRANDSTAND BLEACHERS, SEE SPEC SECTION 12 63 13
20. ROOF ACCESS LADDER, SEE SPEC SECTION 05 31 58
21. POLE MOUNTED SCOREBOARD
22. SKYLIGHT, SEE SPEC SECTION 08 62 52
23. CONTINUOUS ROOD GUTTER
24. FIRE DEPARTMENT CONNECTION
25. SOLAR PANEL AND MOUNTING STRUCTURE, SEE ELECTRICAL DRAWINGS
26. SCUPPER
27. GYM DIVIDER CURTAIN, SEE SPEC SECTION 11 66 56
28. FIRE ACCESS CONTROL PANEL
29. EXPANSION JOINT, SEE STRUCTURAL DWGS, SEE SPEC SECTION 07 95 00
30. PORTABLE FIRE EXTINGUISHER IN RECESSED CABINET, SEE SPEC SECTION 10 52 20
31. PTD. STEEL STRUCTURAL MEMBER, SEE STRUCTURAL DWGS
32. CEILING HUNG BASKETBALL BACKSTOP, SEE SPEC SECTION 11 66 56
33. DOWNSPOUT CONNECTED RAIN WATER LEADDER
34. RAINWATER LEADER FROM ROOF TO GRADE
35. EXPOSED PEMB PURLIN EXTENDED TO BRACE END OF PEMB FRAME
36. CEILING HUNG SCOREBOARD
37. PTD. STEEL BAR FENCE W/ GATE. GATE TO OPEN 180°
38. CHAINLINK ENCLOSURE W/ GATE
39. SWIMSUIT WATER EXTRACTOR BY SUITMATE (115V/60Hz) OR APPROVED EQUAL
40. (E) CEMENT TO REMAIN
41. (E) STADIUM FLOODLIGHT TO BE RELOCATED HERE. PROVIDE NEW FOUNDATION

KEY PLAN



BUREAU OF ENGINEERING
CITY OF LOS ANGELES
ENGINEERING

NO. REVISIONS: DATE: BY:

BUILDING NO.

INDEX NO.

RP 300094

BUREAU OF ENGINEERING
LICENSED ARCHITECT
DAWN S. AOS
C-19741
5/31/2017
RENEWAL
STATE OF CALIFORNIA

CITY OF LOS ANGELES PUBLIC WORKS
DEPARTMENT OF PUBLIC BUILDINGS
BID SET SUBMITTAL

GARY LEE MOORE, PE, ENV SP — CITY ENGINEER
ARCHITECTURAL DIVISION — DATE:
ARCHITECT: ZOLTAN E. PALI, FAIA — LIC. NO. C-19741
DESIGNED BY: ZEP — DRAWN BY: AOS — CHECKED BY: SM
APPROVED BY: MAHMOOD KARIMZADEH, A.I.A., PRINCIPAL ARCHITECT

VERTICAL CONTROL:
HORIZONTAL CONTROL:

SHEET TITLE: ENLARGED PLANS - POOL

PROJECT: RANCHO CIENEGA SPORTS COMPLEX

ADDRESS: 5001 RODEO ROAD
LOS ANGELES, CA 90016

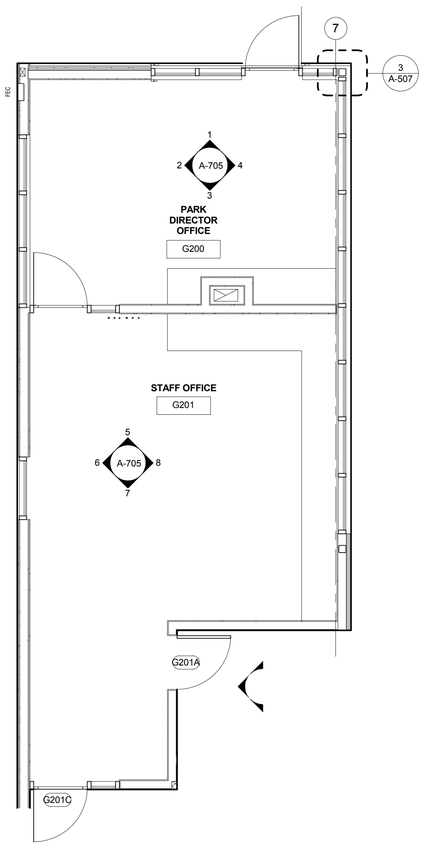
WORK ORDER NO. E1907694
PLAN FILE NO.
DRAWING NO. A-220
SHEET OF SHEETS

BUREAU OF ENGINEERING
OFFICIAL RECORD

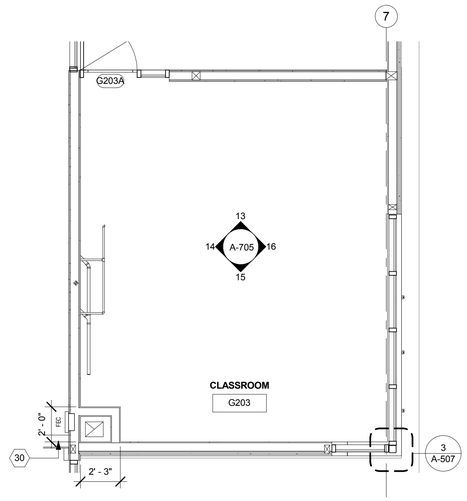
PLOTTED: 12/22/2016 4:21:06 PM

REVISION DATES (DESIGN STAGE ONLY)

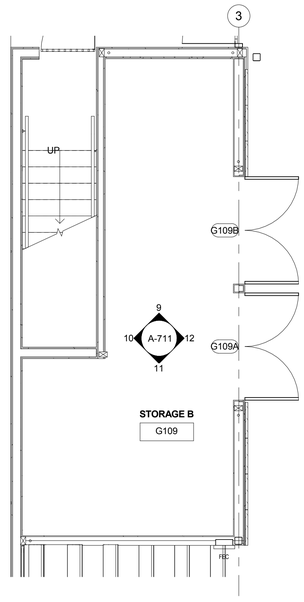
THE CITY OF LOS ANGELES OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF ELECTRONIC COPIES OF THIS PLAN SHEET.



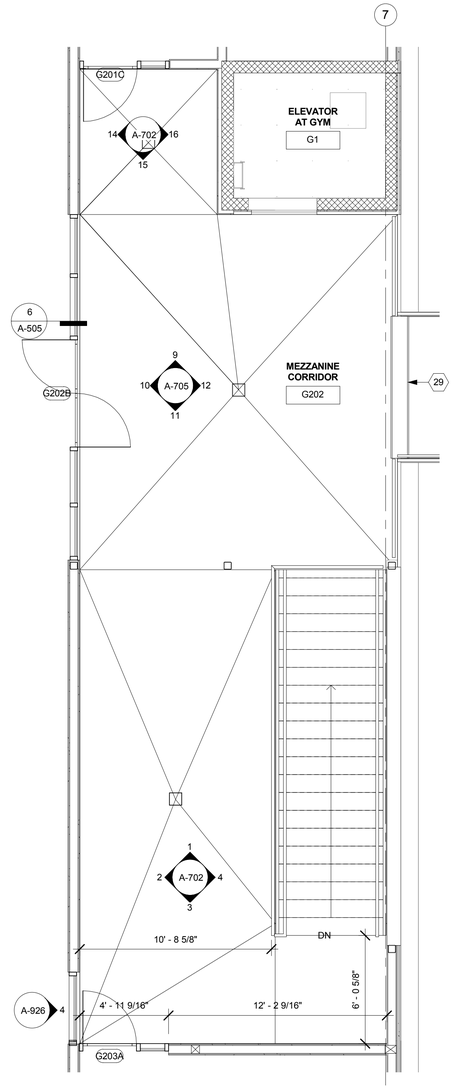
1 GYM - PARK DIRECTOR OFFICE/ STAFF OFFICE
1/4" = 1'-0"



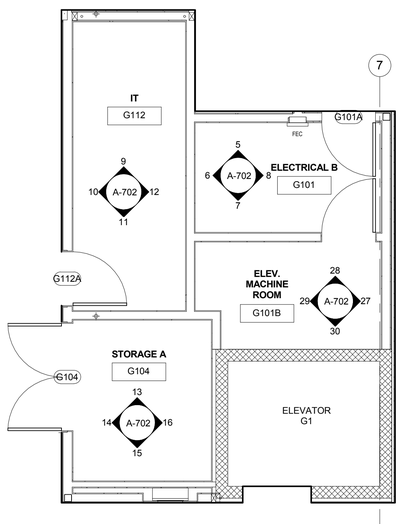
6 GYM - G203 CLASSROOM
1/4" = 1'-0"



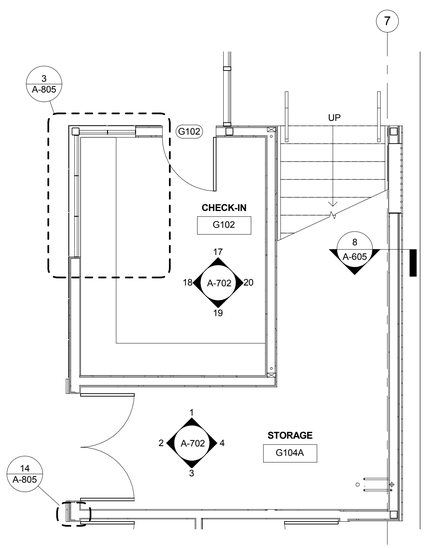
4 GYM - STORAGE B
1/4" = 1'-0"



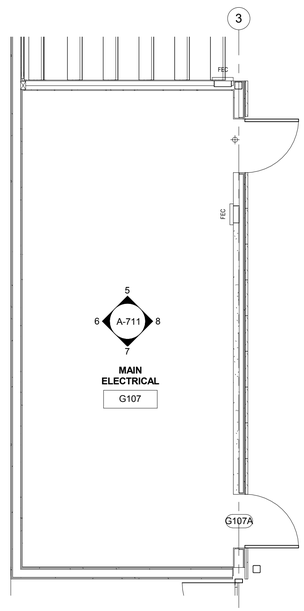
2 GYM - MEZZANINE FOYER
1/4" = 1'-0"



7 GYM - WOMENS TOILET/ CHECK-IN/ ELECTRICAL
1/4" = 1'-0"



5 GYM - MENS TOILET/ STORAGE A
1/4" = 1'-0"



3 GYM - MAIN ELECTRICAL
1/4" = 1'-0"

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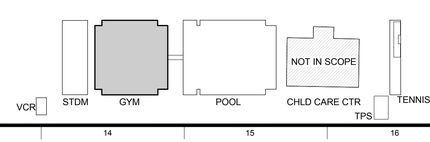
BUREAU OF ENGINEERING
OFFICIAL RECORD

KEY PLAN



BID SET SUBMITTAL

BUREAU OF ENGINEERING
CITY OF LOS ANGELES

BUREAU OF ENGINEERING
DEPARTMENT OF PUBLIC WORKS
CITY OF LOS ANGELES

NO. REVISIONS: DATE: BY:

BUILDING NO.

INDEX NO.

RP 300094

LICENSED ARCHITECT
RYAN E. PALI
C-19741
5/31/2017
RENEW
STATE OF CALIFORNIA

GARY LEE MOORE, PE, ENV SP CITY ENGINEER
DATE:
ARCHITECTURAL DIVISION LIC. NO. C-19741
ARCHITECT: ZOLTAN E. PALI, FAIA
DESIGNED BY: ZEP
DRAWN BY: AOS
CHECKED BY: SM
APPROVED BY: MAHMOOD KARIMZADEH, A.I.A., PRINCIPAL ARCHITECT

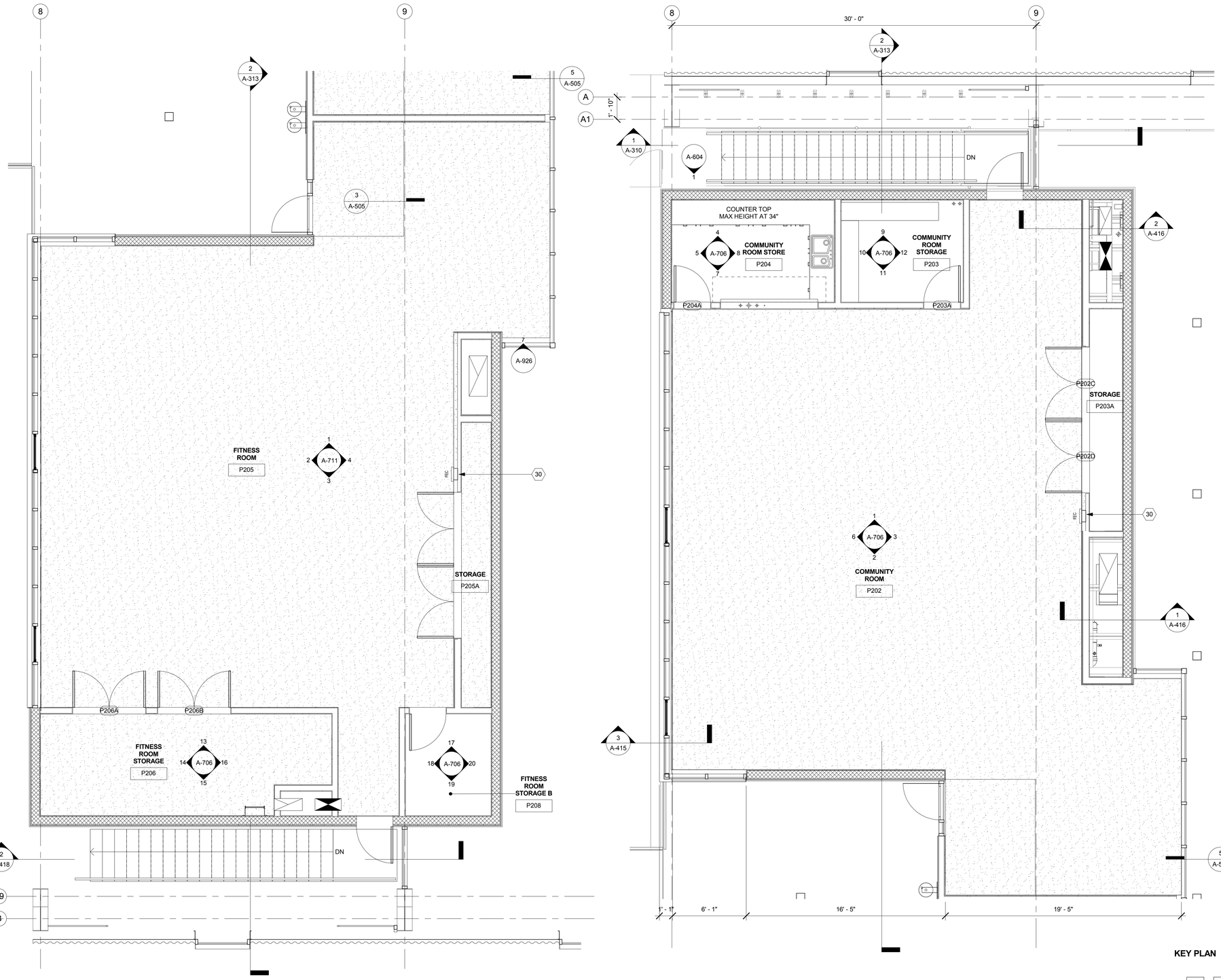
VERTICAL CONTROL:
HORIZONTAL CONTROL:
SHEET TITLE: ENLARGED PLANS - GYMNASIUM
PROJECT: RANCHO CIENEGA SPORTS COMPLEX
ADDRESS: 5001 RODEO ROAD
LOS ANGELES, CA 90016

WORK ORDER NO. E1907694
PLAN FILE NO.
DRAWING NO. A-221
SHEET OF SHEETS

PLOTTED: 12/22/2016 4:21:14 PM

THE CITY OF LOS ANGELES OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF ELECTRONIC COPIES OF THIS PLAN SHEET.

REVISION DATES (DESIGN STAGE ONLY)



2 POOL - WEIGHT ROOM/ WEIGHT ROOM STORAGE
1/4" = 1'-0"

1 POOL - COMMUNITY ROOM/ STORAGE/ EQUIPMENT
1/4" = 1'-0"

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PLAN KEYNOTES

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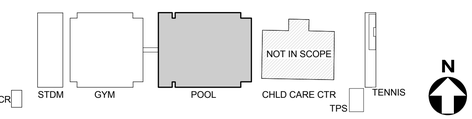
KEY PLAN



BUREAU OF ENGINEERING
OFFICIAL RECORD

BID SET SUBMITTAL

CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS
BUREAU OF ENGINEERING
CITY OF LOS ANGELES ENGINEERING

NO. REVISIONS: DATE: BY:

BUILDING NO.

INDEX NO. RP 300094

LICENSED ARCHITECT ZOLTAN E. PALI
C-19741
5/31/2017
STATE OF CALIFORNIA

GARY LEE MOORE, PE, ENV SP — CITY ENGINEER — DATE:
ARCHITECTURAL DIVISION — LIC. NO. C-19741
ARCHITECT: ZOLTAN E. PALI, FAIA
DESIGNED BY: ZEP
DRAWN BY: AOS
CHECKED BY: SM
APPROVED BY: MAHMOOD KARIMZADEH, A.I.A., PRINCIPAL ARCHITECT

VERTICAL CONTROL:
HORIZONTAL CONTROL:

SHEET TITLE: ENLARGED PLANS

PROJECT: RANCHO CIENEGA SPORTS COMPLEX

ADDRESS: 5001 RODEO ROAD
LOS ANGELES, CA 90016

WORK ORDER NO. E1907694
PLAN FILE NO.
DRAWING NO. A-222
SHEET OF SHEETS

PLOTTED: 12/22/2016 4:21:19 PM

REVISION DATES (DESIGN STAGE ONLY)

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TEMPLATE SHEET REVISION DATE: 08/2014
REVISION DATE: 10/24/2016 5:30 PM
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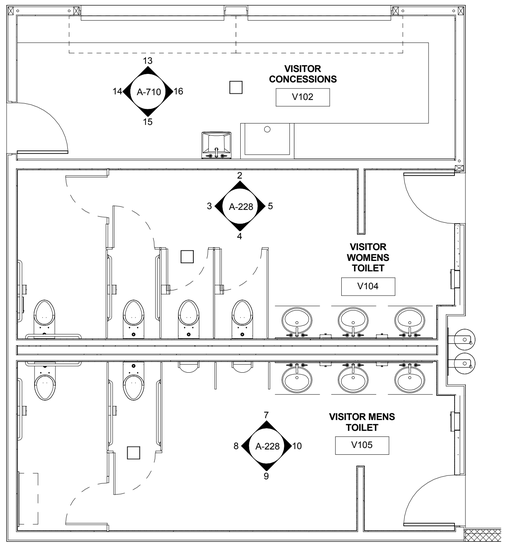
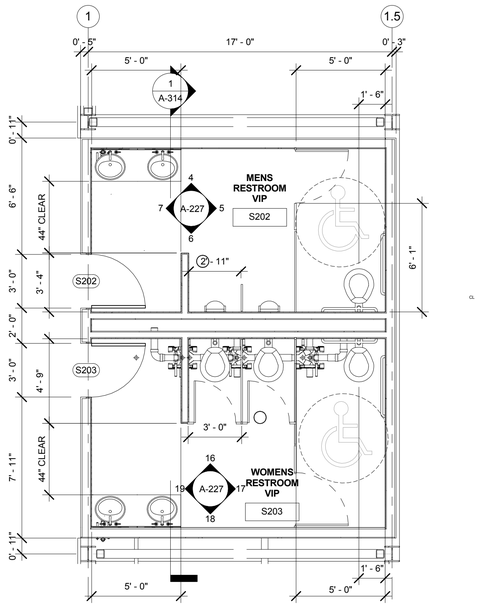
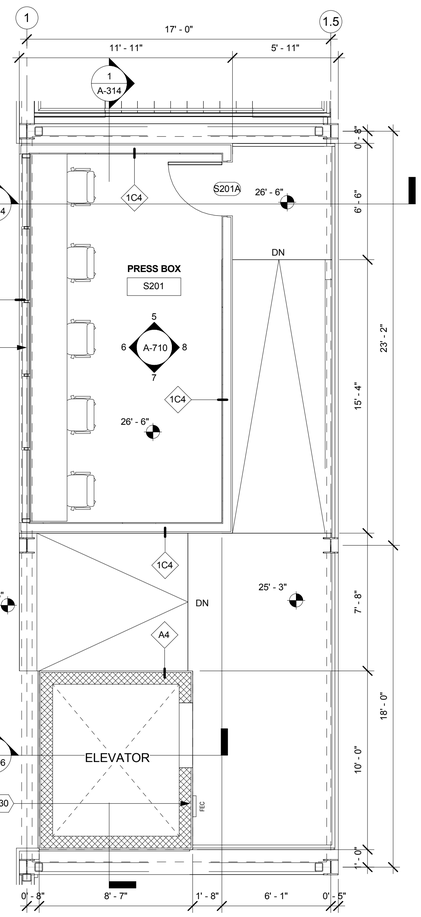


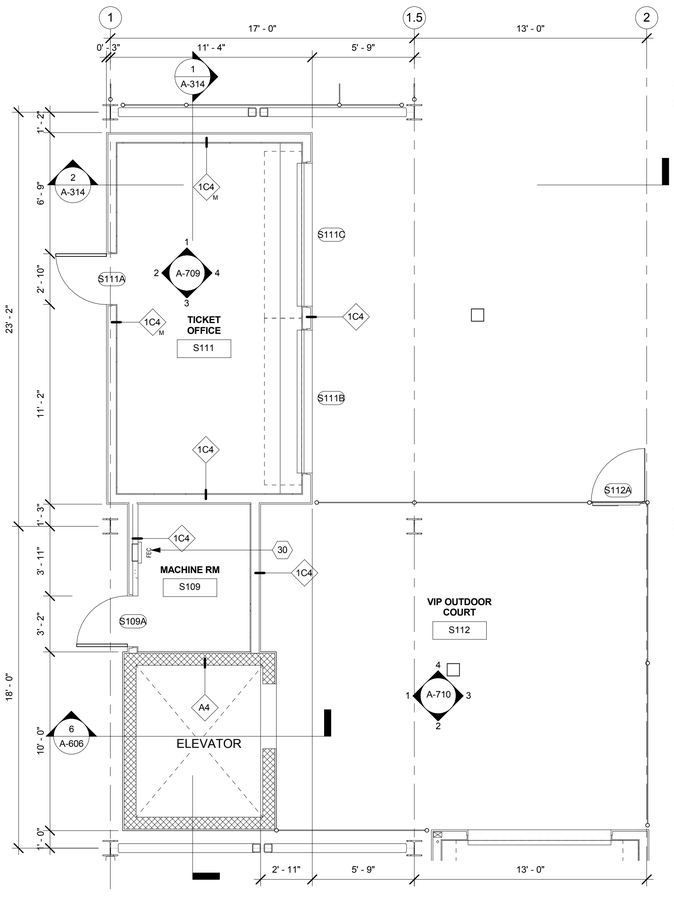
5 A-207 - VISITING TEAM CONCESSION AND RESTROOMS - Callout 3
1/4" = 1'-0"



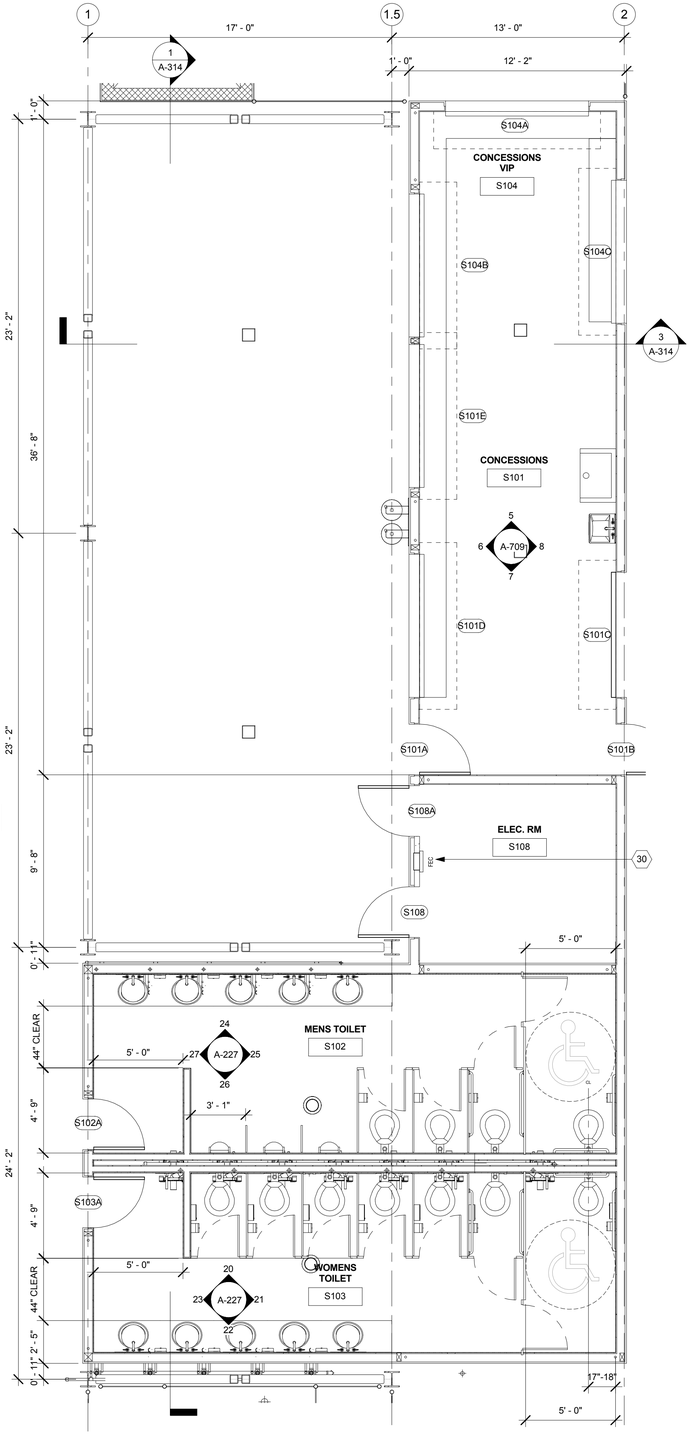
3 STADIUM - WOMENS RESTROOM/ MENS
1/4" = 1'-0"



4 STADIUM - OVERLOOK - PRESS BOX
1/4" = 1'-0"



2 STADIUM - TICKET OFFICE
1/4" = 1'-0"



1 STADIUM - CONCESSIONS S101
1/4" = 1'-0"

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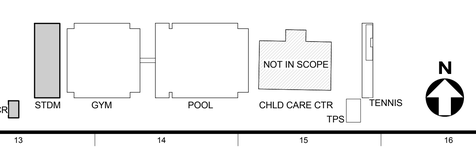
41. (E) STADIUM FLOODLIGHT TO BE RELOCATED HERE. PROVIDE NEW FOUNDATION

KEY PLAN



BUREAU OF ENGINEERING
OFFICIAL RECORD

BUREAU OF ENGINEERING
CITY OF LOS ANGELES
ENGINEERING

NO. REVISIONS: DATE: BY:

BUILDING NO.

INDEX NO. RP 300094

LICENSED ARCHITECT
JOHN EXPARZA
C-19741
5/31/2017
RENEWAL DATE
STATE OF CALIFORNIA

BID SET SUBMITTAL

DEPARTMENT OF PUBLIC WORKS
CITY OF LOS ANGELES

GARY LEE MOORE, PE, ENV SP CITY ENGINEER DATE:
ARCHITECTURAL DIVISION
ARCHITECT: ZOLTAN E. PALI, FAIA LIC. NO. C-19741
DESIGNED BY: ZEP
DRAWN BY: AOS
CHECKED BY: SM
APPROVED BY: MAHMOOD KARIMZADEH, A.I.A., PRINCIPAL ARCHITECT

VERTICAL CONTROL:
HORIZONTAL CONTROL:

SHEET TITLE: ENLARGED PLANS

PROJECT: RANCHO CIENEGA SPORTS COMPLEX
ADDRESS: 5001 RODEO ROAD
LOS ANGELES, CA 90016

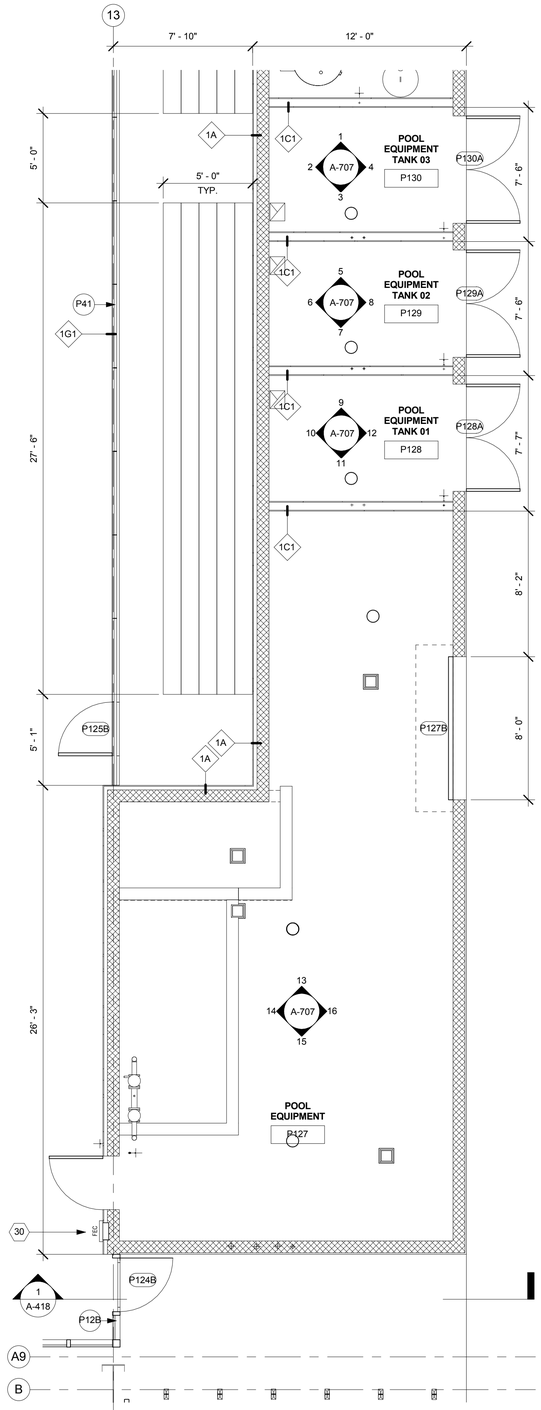
WORK ORDER NO. E1907694
PLAN FILE NO.
DRAWING NO. A-223
SHEET OF SHEETS

PLOTTED: 12/22/2016 4:21:25 PM

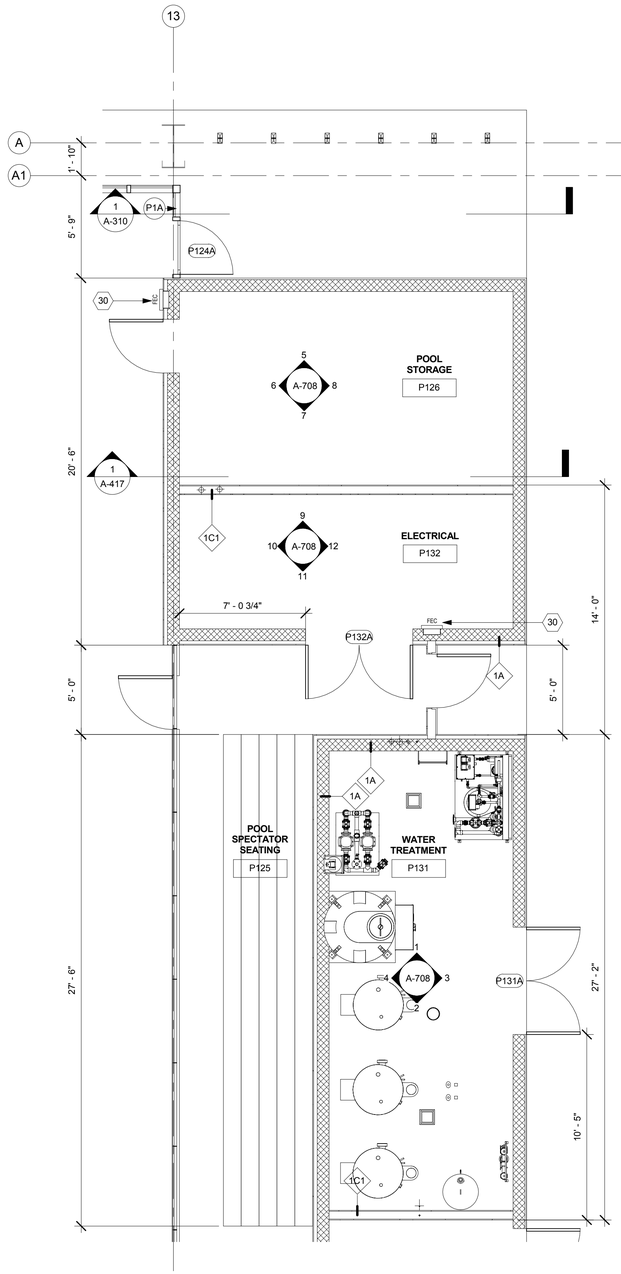
REVISION DATES (DESIGN STAGE ONLY)

TEMPLATE SHEET REVISION DATE: 08/2014
REVISION DATE: 10/24/2016 5:30 PM FILE: Z:\14-018 RANCHO CIENEGA SPORTS COMPLEX\DRAWINGS\REVIT\LINKS-AUTOCAD\BOE_TITLEBLOCK_CD_80PERCENT.DWG

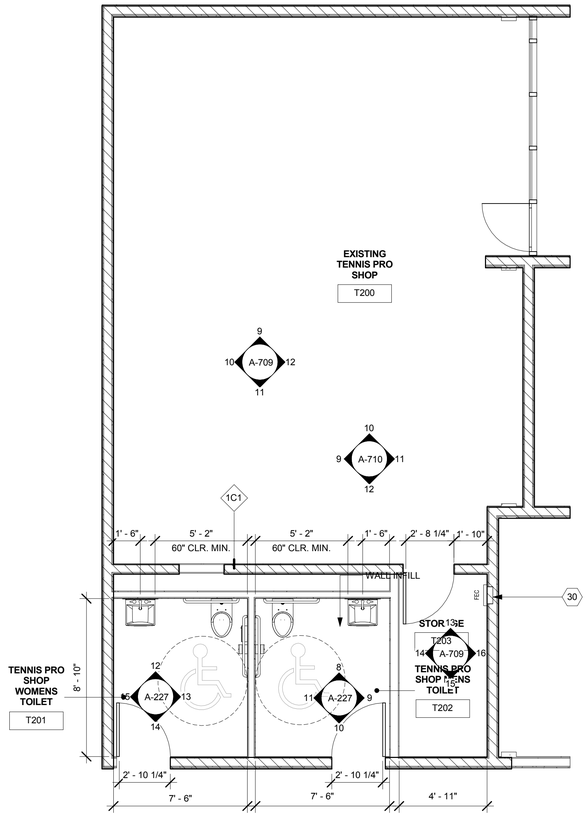
THE CITY OF LOS ANGELES OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF ELECTRONIC COPIES OF THIS PLAN SHEET.



3 POOL - EQUIPMENT ENLARGED PLAN
1/4" = 1'-0"



2 POOL - ELECTICAL / STORAGE
1/4" = 1'-0"



1 TENNIS PRO SHOP REMODEL ENLARGED PLAN
1/4" = 1'-0"

GENERAL NOTES

1. KEYNOTES ARE SPECIFIC TO THE DRAWING SECTION IN WHICH THEY RESIDE.
2. ALL DIMENSIONS ARE TO FACE OF FINISH UNLESS OTHERWISE NOTED.
3. DO NOT SCALE FROM DRAWINGS. ANY INCONSISTENCIES OR UNFORESEEN CONDITIONS TO BE REVIEWERED BY THE ARCHITECT PRIOR TO PROCEEDING WITH CONSTRUCTION.
4. GRID REFERENCES AND DIMENSIONS ARE INDICATED FOR REFERENCE ONLY
5. SEE SHEET A-920/A-921/A-922/A-923 FOR WINDOW SCHEDULE.
6. PROVIDE ANTI-GRAFFITI COATING @ ALL EXTERIOR WALLS. AGC TO BE APPLIED TO TOP OF FIRST FLOOR WALLS. SEE SECTION 09 86 00
7. ALL EXPOSED STEEL (EXTERIOR AND INTERIOR) TO BE PAINTED W/ HIGH PERFORMANCE COATING.
8. SEE A-300 FOR PEMB DESIGN/BUILD SCOPE

PLAN KEYNOTES

1. COUNTER WITH SLIDING WINDOW
2. COUNTER WITH ROLL UP WINDOW
3. SHOWER STALL
4. CHANGING STALL
5. BENCH
6. STAFF LOCKERS
7. BUILT IN SEATING - BUILT-UP LIGHT GAGE PLATFORM STRUCTURE W/2" LIGHT WT. CONCRETE TOPPING SLAB FINISH
8. DRAIN, SEE PLUMBING DRAWINGS
9. 1METER DIVING BOARD, SEE POOL DRAWINGS
10. METAL GRATING WALKWAY, SEE SPEC SECTION 05 53 05
11. TELESCOPIC BLEACHERS, SEE SPEC SECTION 12 66 60
12. HVAC UNIT, SEE MECHANICAL DWGS. UNIT SITS ON RAISED CURB
13. ROOF ACCESS LADDER, SEE SPEC SECTION 05 51 38
14. ROOD ACCESS HATCH, SEE SECTION 08 30 75
15. DRINKING FOUNTAIN, SEE SPEC SECTION 22 47 18
16. TENNIS OVERLOOK
17. LINE OF BUILDING/ROOF/STRUCTURE ABOVE
18. PRE-ENGINEERED METAL BUILDING FRAME (PEMB), SEE SPEC SECTION 13 34 19
19. GRANDSTAND BLEACHERS, SEE SPEC SECTION 12 63 13
20. ROOF ACCESS LADDER, SEE SPEC SECTION 05 31 58
21. POLE MOUNTED SCOREBOARD
22. SKYLIGHT, SEE SPEC SECTION 08 62 52
23. CONTINUOUS ROOD GUTTER
24. FIRE DEPARTMENT CONNECTION
25. SOLAR PANEL AND MOUNTING STRUCTURE, SEE ELECTRICAL DRAWINGS
26. SCUPPER
27. GYM DIVIDER CURTAIN, SEE SPEC SECTION 11 66 56
28. FIRE ACCESS CONTROL PANEL
29. EXPANSION JOINT, SEE STRUCTURAL DWGS, SEE SPEC SECTION 07 95 00
30. PORTABLE FIRE EXTINGUISHER IN RECESSED CABINET, SEE SPEC SECTION 10 52 20
31. PTD. STEEL STRUCTURAL MEMBER, SEE STRUCTURAL DWGS
32. CEILING HUNG BASKETBALL BACKSTOP, SEE SPEC SECTION 11 66 56
33. DOWNSPOUT CONNECTED RAIN WATER LEADDER
34. RAINWATER LEADER FROM ROOF TO GRADE
35. EXPOSED PEMB PURLIN EXTENDED TO BRACE END OF PEMB FRAME
36. CEILING HUNG SCOREBOARD
37. PTD. STEEL BAR FENCE W/ GATE. GATE TO OPEN 180°
38. CHAINLINK ENCLOSURE W/ GATE
39. SWIMSUIT WATER EXTRACTOR BY SUITMATE (115V/60Hz) OR APPROVED EQUAL
40. (E) CEMENT TO REMAIN
41. (E) STADIUM FLOODLIGHT TO BE RELOCATED HERE. PROVIDE NEW FOUNDATION

WALL TYPE LEGEND - WALL TYPES ON A-501

X1X
M — MIRRORED WALL [DUPLICATE]
LEFT-HAND WALL FINISH — RIGHT-HAND WALL FINISH
PARTITION TYPE

XX-X — FLOOR FINISH SEE A-901 / A-902

XXX — DOOR NUMBER SEE A-910 / A-911

XX — WINDOW NUMBER SEE A-920

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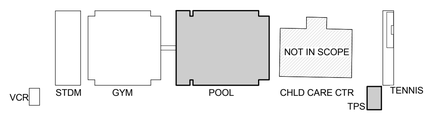
OFFICIAL RECORD

KEY PLAN



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JOAN C. PAULI
C-19741
5/31/2017
RENEW
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ADDRESS: 5001 RODEO ROAD
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PLAN FILE NO.
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SHEET OF SHEETS

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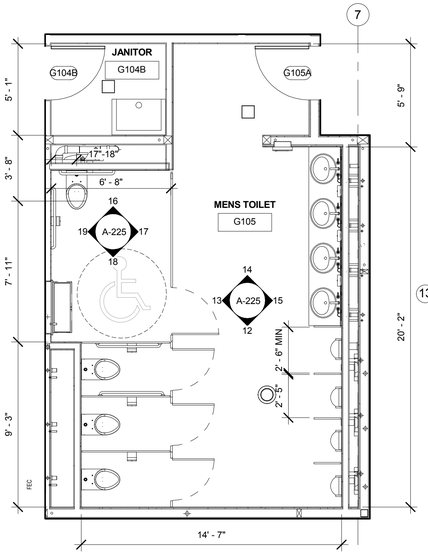
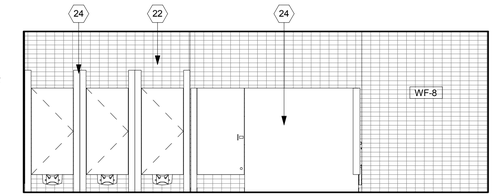
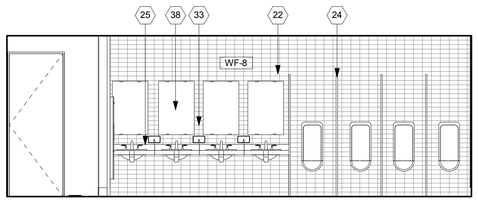


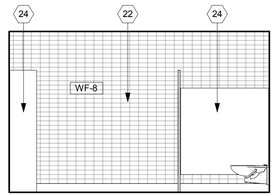
1 GYM - MENS TOILET/ STORAGE A
1/4" = 1'-0"



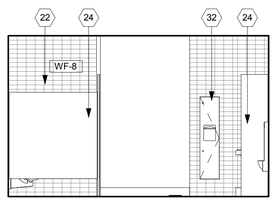
13 MEN'S TOILET WEST - G105
1/4" = 1'-0"



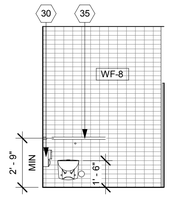
15 MEN'S TOILET EAST - G105
1/4" = 1'-0"



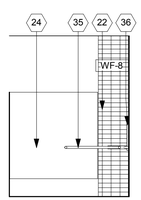
12 MEN'S TOILET SOUTH - G105
1/4" = 1'-0"



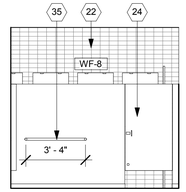
14 MEN'S TOILET NORTH - G105
1/4" = 1'-0"



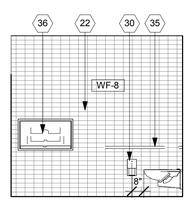
16 ADA MENS R.R. NORTH
1/4" = 1'-0"



18 ADA MENS R.R. SOUTH
1/4" = 1'-0"



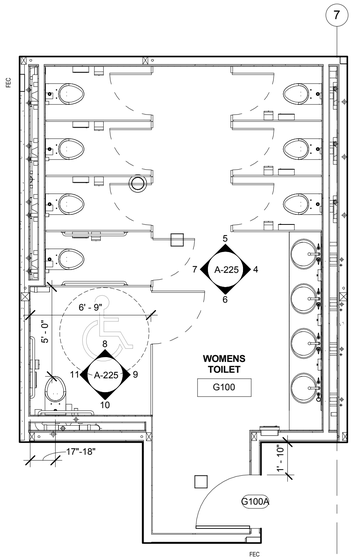
17 ADA MENS R.R. EAST
1/4" = 1'-0"



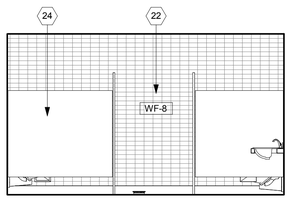
19 ADA MENS R.R. WEST
1/4" = 1'-0"

G105 - MENS TOILET

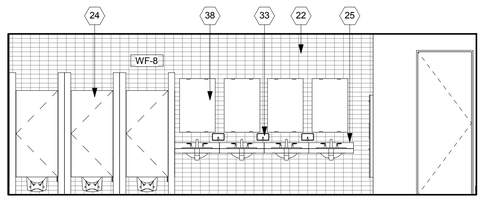
QTY	DESCRIPTION	MODEL
4	TOILET PAPER DISPENSER	BOBRICK B-2888
0	SANITARY NAPKIN	BOBRICK B-254
1	COMBO PAPER TOWEL AND TRASH	BOBRICK B-36032
3	SOAP DISPENSER	BOBRICK B-2112
0	SWIMSUIT SPINNER	SUITMATE 115/60HZ
6	GRAB RAIL	BOBRICK B-5806
1	CHANGING TABLE	KOALA CARE KB110-SSRE



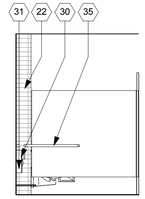
2 GYM - WOMENS TOILET/ CHECK-IN/ ELECTRICAL
1/4" = 1'-0"



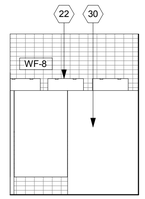
5 WOMEN'S TOILET NORTH - G100
1/4" = 1'-0"



4 WOMEN'S TOILET EAST - G100
1/4" = 1'-0"



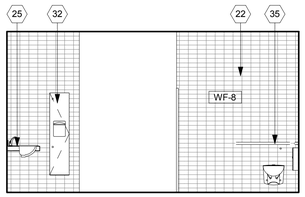
8 ADA WOMENS R.R. NORTH
1/4" = 1'-0"



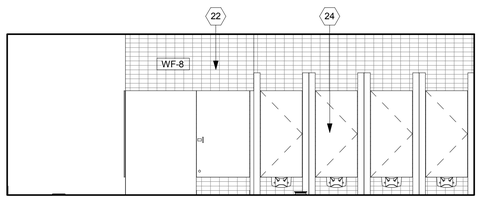
9 ADA WOMENS R.R. EAST
1/4" = 1'-0"

G100 - WOMENS TOILET

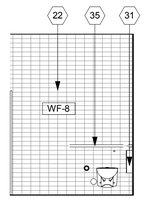
QTY	DESCRIPTION	MODEL
6	TOILET PAPER DISPENSER	BOBRICK B-2888
8	SANITARY NAPKIN	BOBRICK B-254
1	COMBO PAPER TOWEL AND TRASH	BOBRICK B-36032
3	SOAP DISPENSER	BOBRICK B-2112
0	SWIMSUIT SPINNER	SUITMATE 115/60HZ
4	GRAB RAIL	BOBRICK B-5806
1	CHANGING TABLE	KOALA CARE KB110-SSRE



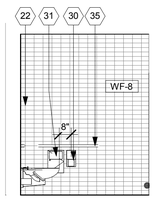
6 WOMEN'S TOILET SOUTH - G100
1/4" = 1'-0"



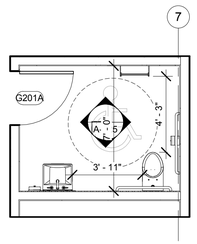
7 WOMEN'S TOILET WEST - G100
1/4" = 1'-0"



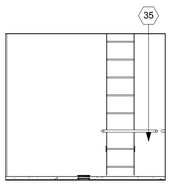
10 ADA WOMENS R.R. TYPICAL SOUTH
1/4" = 1'-0"



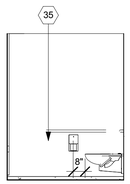
11 ADA WOMENS R.R. TYPICAL WEST
1/4" = 1'-0"



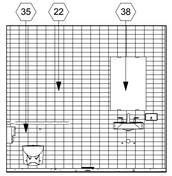
3 GYM -STAFF TOILET
1/4" = 1'-0"



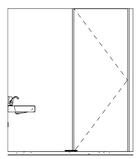
20 GYM STAFF TOILET NORTH G201A
1/4" = 1'-0"



21 GYM STAFF TOILET EAST G201A
1/4" = 1'-0"



22 GYM STAFF TOILET SOUTH G201A
1/4" = 1'-0"



23 GYM STAFF TOILET WEST G201A
1/4" = 1'-0"

G201B - STAFF OFFICE TOILET

QTY	DESCRIPTION	MODEL
1	TOILET PAPER DISPENSER	BOBRICK B-2888
0	SANITARY NAPKIN	BOBRICK B-254
0	COMBO PAPER TOWEL AND TRASH	BOBRICK B-36032
1	SOAP DISPENSER	BOBRICK B-2112
0	SWIMSUIT SPINNER	SUITMATE 115/60HZ
2	GRAB RAIL	BOBRICK B-5806
0	CHANGING TABLE	KOALA CARE KB110-SSRE

INTERIOR ELEVATION KEYNOTES

1 PRE-ENGINEERED METAL BUILDING FRAME
2 STEEL FRAMING. SEE STRUCTURAL
3 PTD. CEMENT MASONRY UNIT
4 GLAZING
5 DROP CEILING
6 BIO-IMPREGNATED WOOD VERTICAL LOUVERS
7 STOREFRONT
8 DOOR AS SCHEDULED
9 STEEL ROD RAILING
10 GLASS BARRIER
11 GATE
12 BLEACHERS
13 METAL CHANNEL
14 BUILT IN SEATING
15 CEILING HUNG BASKETBALL HOOP
16 MECHANICAL EQUIP. SEE MECHANICAL DWGS
17 ALUMINUM SLAT CEILING ASSEMBLY
18 SCOREBOARD
19 PAINTED GYPSUM BOARD
20 PAINTED GREEN BOARD
21 SELF HEALING BULLETIN BOARD
22 SUBWAY TILE
23 LARGE FORMAT TILE
24 PHENOLIC PARTITION
25 1" SOLID SURFACE COUNTER TOP
26 LAMINATE COUNTER TOP
27 WOOD CASEWORK
28 GYM WALL PADDING
29 EXTERIOR PLASTER FINISH
30 TOILET PAPER DISPENSER
31 SANITARY NAPKIN
32 COMBO PAPER TOWEL AND TRASH
33 SOAP DISPENSER
34 SWIMSUIT SPINNER
35 GRAB RAIL
36 CHANGING TABLE
37 PORTABLE FIRE EXTINGUISHER
38 MIRROR
39 CHAIN LINK FENCE

INTERIOR ELEVATION LEGEND

PAINTED GYPSUM BOARD
WF-2 LARGE FORMAT TILE
WF-4 SELF HEALING BULLETIN BOARD
WF-5 GYM WALL PADS
WF-6 BIO-IMPREGNATED WOOD SIDING
WF-7 CEMENT MASONRY UNIT
WF-8 SUBWAY TILE
WF-9 STOREFRONT / CURTAIN WALL

BUREAU OF ENGINEERING
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C-19741
5/31/2017
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BID SET SUBMITTAL

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ARCHITECTURAL DIVISION LIC. NO. C-19741 DATE:
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DRAWN BY: AOS
CHECKED BY: SM
APPROVED BY: MAHMOOD KARIMZADEH, A.I.A., PRINCIPAL ARCHITECT

VERTICAL CONTROL:
HORIZONTAL CONTROL:

SHEET TITLE: GYM TOILET ENLARGED PLANS AND ELEVATIONS

PROJECT: RANCHO CIENEGA SPORTS COMPLEX

ADDRESS: 5001 RODEO ROAD LOS ANGELES, CA 90016

WORK ORDER NO. E1907694
PLAN FILE NO.
DRAWING NO. A-225
SHEET SHEETS OF

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REVISION DATE: 10/24/2016 5:30 PM
TEMPLATE SHEET REVISION DATE: 09/2014
FILE: Z:\14-018 RANCHO CIENEGA SPORTS COMPLEX\DRAWINGS\REVITLINKS-AUTOCAD\BOE_TITLEBLOCK_CD_90PERCENT.DWG

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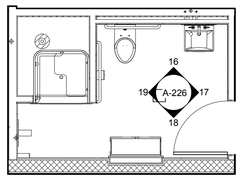
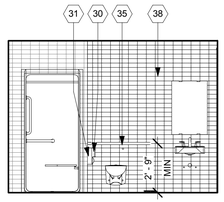
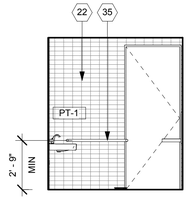


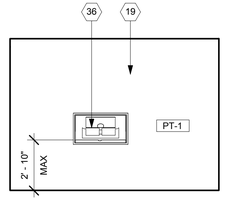
3 POOL - FAMILY CHANGING ROOM
1/4" = 1'-0"



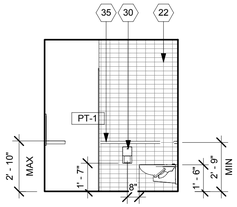
16 FAMILY CHANGING ROOM NORTH - P104
1/4" = 1'-0"



17 FAMILY CHANGING ROOM EAST - P104
1/4" = 1'-0"



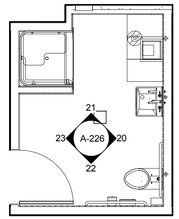
18 FAMILY CHANGING ROOM SOUTH - P104
1/4" = 1'-0"



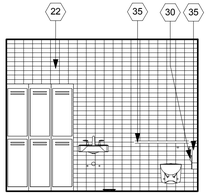
19 FAMILY CHANGING ROOM WEST - P104
1/4" = 1'-0"

P104 - FAMILY CHANGING ROOM

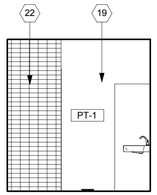
QTY	DESCRIPTION	MODEL
1	TOILET PAPER DISPENSER	BOBRICK B-2888
0	SANITARY NAPKIN	BOBRICK B-254
0	COMBO PAPER TOWEL AND TRASH	BOBRICK B-38032
1	SOAP DISPENSER	BOBRICK B-2112
0	SWIMSUIT SPINNER	SUITMATE 115/60HZ
2	GRAB RAIL	BOBRICK B-5806
1	CHANGING TABLE	KOALA CARE KB110-SSRE



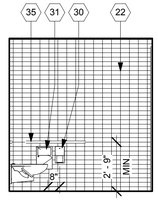
2 POOL - FEMALE STAFF LOCKER
1/4" = 1'-0"



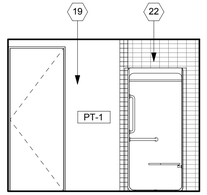
20 FEMALE STAFF TOILET EAST - P109
1/4" = 1'-0"



21 FEMALE STAFF TOILET NORTH - P109
1/4" = 1'-0"



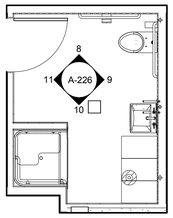
22 FEMALE STAFF TOILET SOUTH - P109
1/4" = 1'-0"



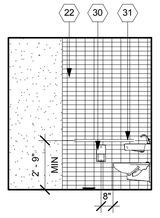
23 FEMALE STAFF TOILET WEST - P109
1/4" = 1'-0"

P109 - WOMENS STAFF LOCKER

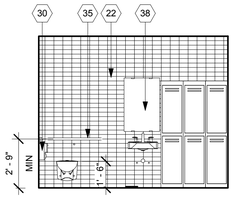
QTY	DESCRIPTION	MODEL
1	TOILET PAPER DISPENSER	BOBRICK B-2888
1	SANITARY NAPKIN	BOBRICK B-254
1	COMBO PAPER TOWEL AND TRASH	BOBRICK B-38032
1	SOAP DISPENSER	BOBRICK B-2112
1	SWIMSUIT SPINNER	SUITMATE 115/60HZ
2	GRAB RAIL	BOBRICK B-5806
0	CHANGING TABLE	KOALA CARE KB110-SSRE



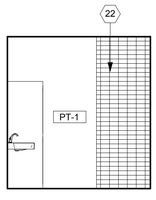
4 POOL - MENS STAFF LOCKER
1/4" = 1'-0"



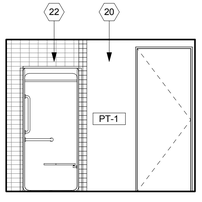
8 MALE STAFF LOCKER NORTH - P117
1/4" = 1'-0"



9 MALE STAFF LOCKER EAST - P117
1/4" = 1'-0"



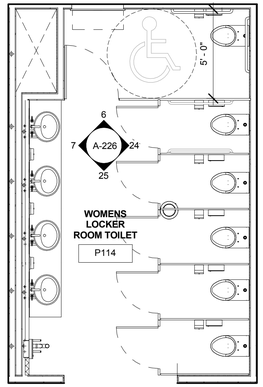
10 MALE STAFF LOCKER SOUTH - P117
1/4" = 1'-0"



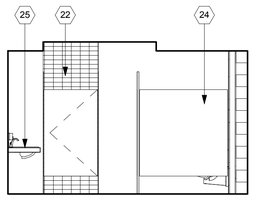
11 MALE STAFF LOCKER WEST - P117
1/4" = 1'-0"

P117 - MENS STAFF LOCKER

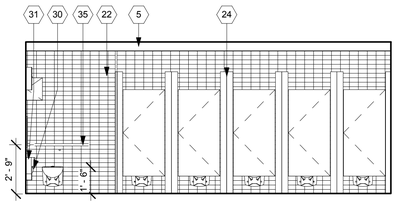
QTY	DESCRIPTION	MODEL
1	TOILET PAPER DISPENSER	BOBRICK B-2888
0	SANITARY NAPKIN	BOBRICK B-254
1	COMBO PAPER TOWEL AND TRASH	BOBRICK B-38032
1	SOAP DISPENSER	BOBRICK B-2112
0	SWIMSUIT SPINNER	SUITMATE 115/60HZ
2	GRAB RAIL	BOBRICK B-5806
0	CHANGING TABLE	KOALA CARE KB110-SSRE



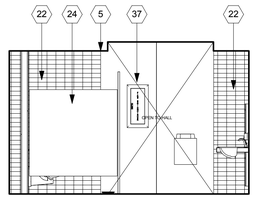
1 POOL - WOMENS LOCKER ROOM TOILET
1/4" = 1'-0"



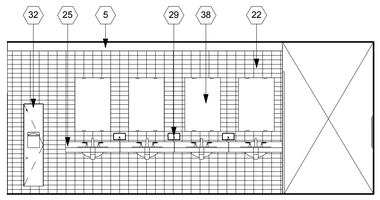
6 WOMENS LOCKER RM TOILET NORTH - P114
1/4" = 1'-0"



24 WOMENS LOCKER ROOM TOILET EAST - P114
1/4" = 1'-0"



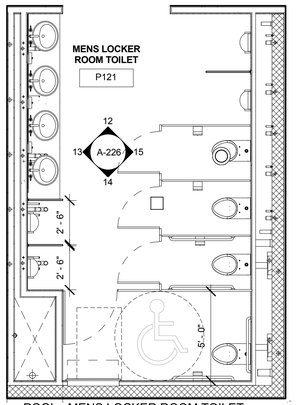
25 WOMENS LOCKER RM TOILET SOUTH - P114
1/4" = 1'-0"



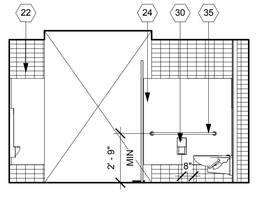
7 WOMENS LOCKER RM TOILET WEST - P114
1/4" = 1'-0"

P114 - WOMENS LOCKER ROOM TOILET

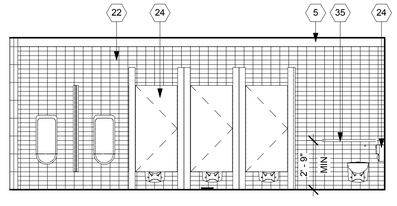
QTY	DESCRIPTION	MODEL
6	TOILET PAPER DISPENSER	BOBRICK B-2888
6	SANITARY NAPKIN	BOBRICK B-254
1	COMBO PAPER TOWEL AND TRASH	BOBRICK B-38032
3	SOAP DISPENSER	BOBRICK B-2112
0	SWIMSUIT SPINNER	SUITMATE 115/60HZ
4	GRAB RAIL	BOBRICK B-5806
1	CHANGING TABLE	KOALA CARE KB110-SSRE



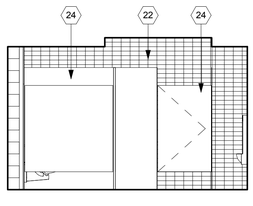
5 POOL - MENS LOCKER ROOM TOILET
1/4" = 1'-0"



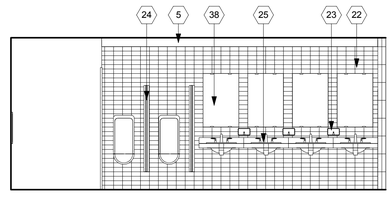
12 MENS LOCKER RM NORTH - P121
1/4" = 1'-0"



15 MENS LOCKER RM EAST - P121
1/4" = 1'-0"



14 MENS LOCKER RM SOUTH - P121
1/4" = 1'-0"



13 MENS LOCKER RM WEST - P121
1/4" = 1'-0"

P121 - MENS LOCKER ROOM TOILET

QTY	DESCRIPTION	MODEL
4	TOILET PAPER DISPENSER	BOBRICK B-2888
0	SANITARY NAPKIN	BOBRICK B-254
0	COMBO PAPER TOWEL AND TRASH	BOBRICK B-38032
3	SOAP DISPENSER	BOBRICK B-2112
0	SWIMSUIT SPINNER	SUITMATE 115/60HZ
8	GRAB RAIL	BOBRICK B-5806
0	CHANGING TABLE	KOALA CARE KB110-SSRE

INTERIOR ELEVATION LEGEND

	PAINTED GYPSUM BOARD
WF-2	LARGE FORMAT TILE
WF-4	SELF HEALING BULLETIN BOARD
WF-5	GYM WALL PADS
WF-6	BIO-IMPREGNATED WOOD SIDING
WF-7	CEMENT MASONRY UNIT
WF-8	SUBWAY TILE
WF-9	STOREFRONT / CURTAIN WALL

INTERIOR ELEVATION KEYNOTES

1. PRE-ENGINEERED METAL BUILDING FRAME
2. STEEL FRAMING. SEE STRUCTURAL
3. PTD. CEMENT MASONRY UNIT
4. GLAZING
5. DROP CEILING
6. BIO-IMPREGNATED WOOD VERTICAL LOUVERS
7. STOREFRONT
8. DOOR AS SCHEDULED
9. STEEL ROD RAILING
10. GLASS BARRIER
11. GATE
12. BLEACHERS
13. METAL CHANNEL
14. BUILT IN SEATING
15. CEILING HUNG BASKETBALL HOOP
16. MECHANICAL EQUIP. SEE MECHANICAL DWGS
17. ALUMINUM SLAT CEILING ASSEMBLY
18. SCOREBOARD
19. PAINTED GYPSUM BOARD
20. PAINTED GREEN BOARD
21. SELF HEALING BULLETIN BOARD
22. SUBWAY TILE
23. LARGE FORMAT TILE
24. PHENOLIC PARTITION
25. 1" SOLID SURFACE COUNTER TOP
26. LAMINATE COUNTER TOP
27. WOOD CASEWORK
28. GYM WALL PADDING
29. EXTERIOR PLASTER FINISH
30. TOILET PAPER DISPENSER
31. SANITARY NAPKIN
32. COMBO PAPER TOWEL AND TRASH
33. SOAP DISPENSER
34. SWIMSUIT SPINNER
35. GRAB RAIL
36. CHANGING TABLE
37. PORTABLE FIRE EXTINGUISHER
38. MIRROR
39. CHAIN LINK FENCE

BUREAU OF ENGINEERING
OFFICIAL RECORD

ENGINEERING
CITY OF LOS ANGELES

BUREAU OF ENGINEERING

NO.	REVISIONS:	DATE	BY:

BUILDING NO. XX/XX

RP 300094

INDEX NO. -

REGISTERED PROFESSIONAL ENGINEER
CHRISTOPHER M. LOMBARDO
No. C 23167
CIVIL
STATE OF CALIFORNIA

CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS

CITY ENGINEER
GARY LEE MOORE, PE, ENV SP
ACCEPTED BY:
DATE

DEPUTY ENGINEER / PROGRAM MANAGER
CITY ENGINEER
DATE

VERTICAL CONTROL:
HORIZONTAL CONTROL:

SHEET TITLE: POOL TOILET ENLARGED PLANS AND ELEVATIONS

PROJECT: RANCHO CIENEGA SPORTS COMPLEX

ADDRESS: 5001 RODEO ROAD
LOS ANGELES, CA 90016

WORK ORDER NO.
E1907694

PLAN FILE NO.

DRAWING NO.
A-226

SHEET OF SHEETS

PLOTTED: 12/22/2016 4:22:03 PM

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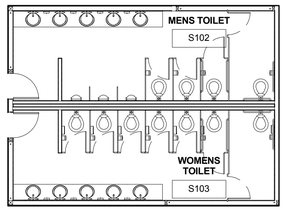
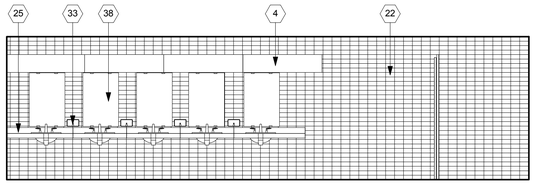
TEMPLATE SHEET REVISION DATE: 08/2014
REVISION DATE: 12/6/2016 11:34 AM FILE: Z:\14-018 RANCHO CIENEGA SPORTS COMPLEX\DRAWINGS\REVITLINKS-AUTOCAD\BOE_TITLEBLOCK_CD_BID SET_COVER SHEET.DWG

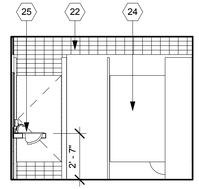
REVISION DATES (DESIGN STAGE ONLY)



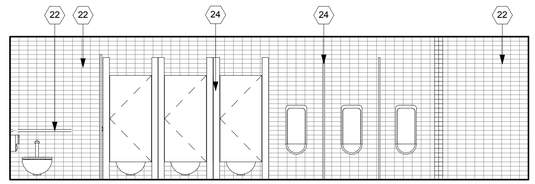
2 STADIUM MENS & WOMENS TOILET
1/8" = 1'-0"



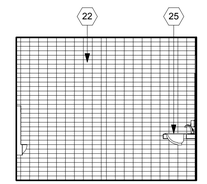
24 MENS TOILET NORTH - S102
1/4" = 1'-0"



25 MENS TOILET EAST - S102
1/4" = 1'-0"



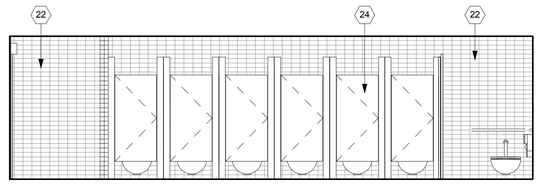
26 MENS TOILET SOUTH - S102
1/4" = 1'-0"



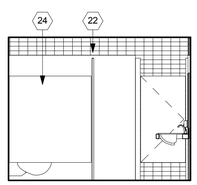
27 MENS TOILET - WEST - S102
1/4" = 1'-0"

S102 - MENS TOILET

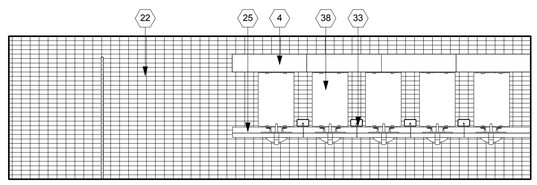
QTY	DESCRIPTION	MODEL
4	TOILET PAPER DISPENSER	BOBRICK B-2888
0	SANITARY NAPKIN	BOBRICK B-254
1	COMBO PAPER TOWEL AND TRASH	BOBRICK B-38032
4	SOAP DISPENSER	BOBRICK B-2112
0	SWIMSUIT SPINNER	SUITMATE 115/60HZ
4	GRAB RAIL	BOBRICK B-5806
0	CHANGING TABLE	KOALA CARE KB110-SSRE



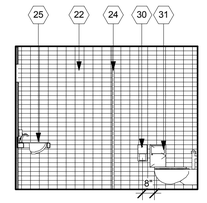
20 WOMENS TOILET NORTH - S103
1/4" = 1'-0"



21 WOMENS TOILET EAST - S103
1/4" = 1'-0"



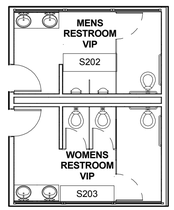
22 WOMENS TOILET SOUTH - S103
1/4" = 1'-0"



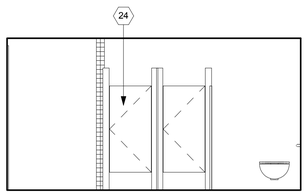
23 WOMENS TOILET WEST - S103
1/4" = 1'-0"

S103 - WOMENS TOILET

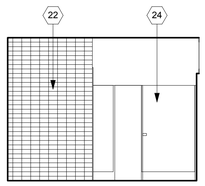
QTY	DESCRIPTION	MODEL
7	TOILET PAPER DISPENSER	BOBRICK B-2888
0	SANITARY NAPKIN	BOBRICK B-254
1	COMBO PAPER TOWEL AND TRASH	BOBRICK B-38032
4	SOAP DISPENSER	BOBRICK B-2112
0	SWIMSUIT SPINNER	SUITMATE 115/60HZ
4	GRAB RAIL	BOBRICK B-5806
0	CHANGING TABLE	KOALA CARE KB110-SSRE



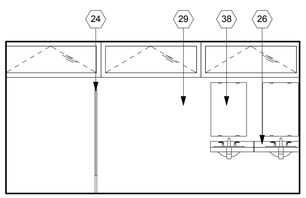
3 STADIUM MENS & WOMENS VIP
1/8" = 1'-0"



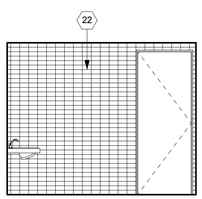
16 MENS RESTROOM VIP NORTH - S202
1/4" = 1'-0"



17 MENS RESTROOM VIP EAST - S202
1/4" = 1'-0"



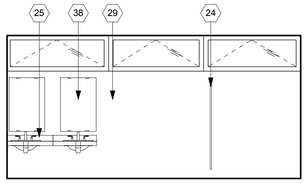
18 MENS RESTROOM VIP SOUTH - S202
1/4" = 1'-0"



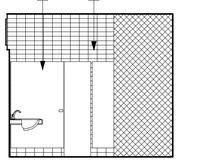
19 MENS RESTROOM VIP WEST - S203
1/4" = 1'-0"

S202 - MENS RESTROOM VIP

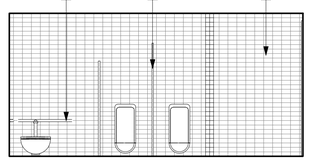
QTY	DESCRIPTION	MODEL
1	TOILET PAPER DISPENSER	BOBRICK B-2888
0	SANITARY NAPKIN	BOBRICK B-254
1	COMBO PAPER TOWEL AND TRASH	BOBRICK B-38032
1	SOAP DISPENSER	BOBRICK B-2112
0	SWIMSUIT SPINNER	SUITMATE 115/60HZ
2	GRAB RAIL	BOBRICK B-5806
0	CHANGING TABLE	KOALA CARE KB110-SSRE



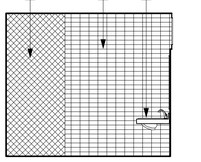
4 WOMENS RESTROOM VIP NORTH - S203
1/4" = 1'-0"



5 WOMENS RESTROOM VIP EAST - S203
1/4" = 1'-0"



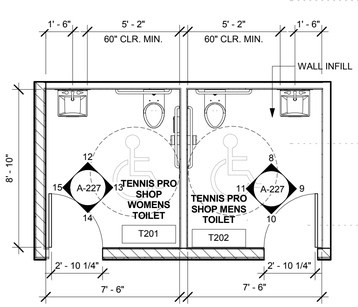
6 WOMENS RESTROOM VIP SOUTH - S203
1/4" = 1'-0"



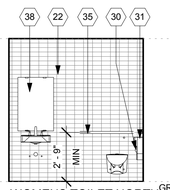
7 WOMENS RESTROOM VIP WEST - S203
1/4" = 1'-0"

S203 - WOMENS RESTROOM VIP

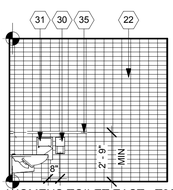
QTY	DESCRIPTION	MODEL
3	TOILET PAPER DISPENSER	BOBRICK B-2888
3	SANITARY NAPKIN	BOBRICK B-254
0	COMBO PAPER TOWEL AND TRASH	BOBRICK B-38032
1	SOAP DISPENSER	BOBRICK B-2112
0	SWIMSUIT SPINNER	SUITMATE 115/60HZ
2	GRAB RAIL	BOBRICK B-5806
0	CHANGING TABLE	KOALA CARE KB110-SSRE



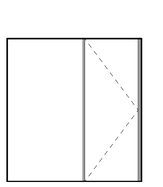
1 TENNIS PRO SHOPMENS & WOMENS TOILET
1/4" = 1'-0"



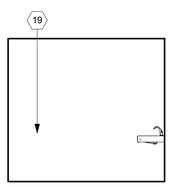
12 WOMENS TOILET NORTH - T201
1/4" = 1'-0"



13 WOMENS TOILET EAST - T201
1/4" = 1'-0"



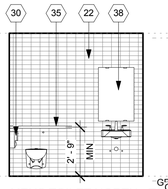
14 WOMENS TOILET SOUTH - T201
1/4" = 1'-0"



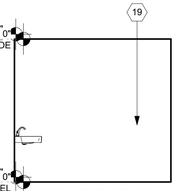
15 WOMENS TOILET WEST - T201
1/4" = 1'-0"

T201 TENNIS PRO SHOP WOMENS TOILET

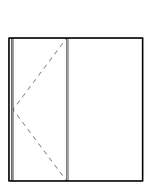
QTY	DESCRIPTION	MODEL
1	TOILET PAPER DISPENSER	BOBRICK B-2888
1	SANITARY NAPKIN	BOBRICK B-254
1	COMBO PAPER TOWEL AND TRASH	BOBRICK B-38032
1	SOAP DISPENSER	BOBRICK B-2112
0	SWIMSUIT SPINNER	SUITMATE 115/60HZ
2	GRAB RAIL	BOBRICK B-5806
0	CHANGING TABLE	KOALA CARE KB110-SSRE



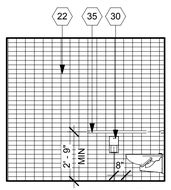
8 MENS TOILET NORTH - T202
1/4" = 1'-0"



9 MENS TOILET EAST - T202
1/4" = 1'-0"



10 MENS TOILET SOUTH - T202
1/4" = 1'-0"



11 MENS TOILET WEST - T202
1/4" = 1'-0"

T202 TENNIS PRO SHOP MENS TOILET

QTY	DESCRIPTION	MODEL
1	TOILET PAPER DISPENSER	BOBRICK B-2888
0	SANITARY NAPKIN	BOBRICK B-254
1	COMBO PAPER TOWEL AND TRASH	BOBRICK B-38032
1	SOAP DISPENSER	BOBRICK B-2112
0	SWIMSUIT SPINNER	SUITMATE 115/60HZ
2	GRAB RAIL	BOBRICK B-5806
0	CHANGING TABLE	KOALA CARE KB110-SSRE

INTERIOR ELEVATION LEGEND

	PAINTED GYPSUM BOARD
WF-2	LARGE FORMAT TILE
WF-4	SELF HEALING BULLETIN BOARD
WF-5	GYM WALL PADS
WF-6	BIO-IMPREGNATED WOOD SIDING
WF-7	CEMENT MASONRY UNIT
WF-8	SUBWAY TILE
WF-9	STOREFRONT / CURTAIN WALL

INTERIOR ELEVATION KEYNOTES

1 PRE-ENGINEERED METAL BUILDING FRAME
2 STEEL FRAMING. SEE STRUCTURAL
3 PTD. CEMENT MASONRY UNIT
4 GLAZING
5 DROP CEILING
6 BIO-IMPREGNATED WOOD VERTICAL LOUVERS
7 STOREFRONT
8 DOOR AS SCHEDULED
9 STEEL ROD RAILING
10 GLASS BARRIER
11 GATE
12 BLEACHERS
13 METAL CHANNEL
14 BUILT IN SEATING
15 CEILING HUNG BASKETBALL HOOP
16 MECHANICAL EQUIP. SEE MECHANICAL DWGS
17 ALUMINUM SLAT CEILING ASSEMBLY
18 SCOREBOARD
19 PAINTED GYPSUM BOARD
20 PAINTED GREEN BOARD
21 SELF HEALING BULLETIN BOARD
22 SUBWAY TILE
23 LARGE FORMAT TILE
24 PHENOLIC PARTITION
25 1" SOLID SURFACE COUNTER TOP
26 LAMINATE COUNTER TOP
27 WOOD CASEWORK
28 GYM WALL PADDING
29 EXTERIOR PLASTER FINISH
30 TOILET PAPER DISPENSER
31 SANITARY NAPKIN
32 COMBO PAPER TOWEL AND TRASH
33 SOAP DISPENSER
34 SWIMSUIT SPINNER
35 GRAB RAIL
36 CHANGING TABLE
37 PORTABLE FIRE EXTINGUISHER
38 MIRROR
39 CHAIN LINK FENCE

BUREAU OF ENGINEERING
OFFICIAL RECORD

BUREAU OF ENGINEERING
CITY OF LOS ANGELES

NO.	REVISIONS:	DATE	BY:

BUILDING NO. XX/XX
INDEX NO. - RP 300094

REGISTERED PROFESSIONAL ENGINEER
CHRISTOPHER M. LEE
No. C 21317
REN. 6/30/17
STATE OF CALIFORNIA

CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS

GARY LEE MOORE, PE, ENV SP CITY ENGINEER
ACCEPTED BY: DATE
DEPUTY ENGINEER / PROGRAM MANAGER
CITY ENGINEER

VERTICAL CONTROL:
HORIZONTAL CONTROL:
SHEET TITLE: STADIUM TOILET ENLARGED PLANS AND ELEVATIONS
PROJECT: RANCHO CIENEGA SPORTS COMPLEX
ADDRESS: 5001 RODEO ROAD LOS ANGELES, CA 90016

WORK ORDER NO. E1907694
PLAN FILE NO.
DRAWING NO. A-227
SHEET OF SHEETS

PLOTTED: 12/22/2016 4:22:20 PM

REVISION DATES (DESIGN STAGE ONLY)
REVISION DATE: 12/6/2016 11:34 AM FILE: Z:\14-018 RANCHO CIENEGA SPORTS COMPLEX\DRAWINGS\REVITLINKS-AUTOCAD\BOE_TITLEBLOCK_CD_BID SET_COVER SHEET.DWG
TEMPLATE SHEET REVISION DATE: 08/2014

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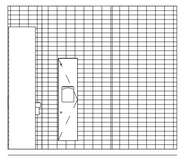
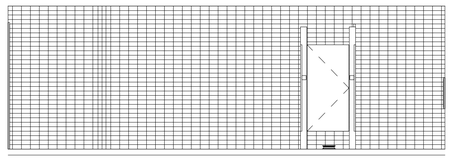
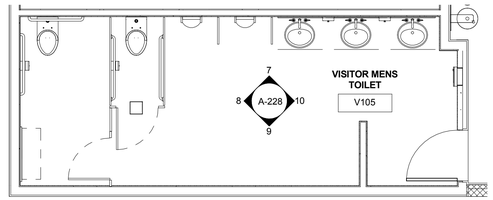


10 VISITOR MEN'S WC EAST
1/4" = 1'-0"



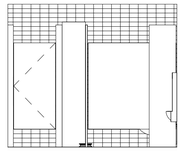
9 VISITOR MEN'S WC SOUTH
1/4" = 1'-0"



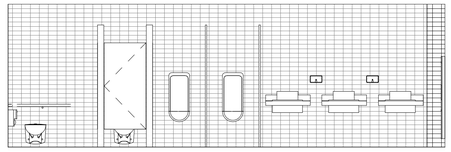
6 A-207 - VISITING TEAM CONCESSION AND RESTROOMS - Callout 1
1/4" = 1'-0"

V104 - VISITOR MENS TOILET

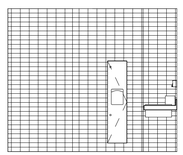
QTY	DESCRIPTION	MODEL
4	TOILET PAPER DISPENSER	BOBRICK B-2888
4	SANITARY NAPKIN	BOBRICK B-254
1	COMBO PAPER TOWEL AND TRASH	BOBRICK B-38032
2	SOAP DISPENSER	BOBRICK B-2112
0	SWIMSUIT SPINNER	SUTINATE 115/60HZ
4	GRAB RAIL	BOBRICK B-5806
0	CHANGING TABLE	KOALA CARE KB110-SSRE



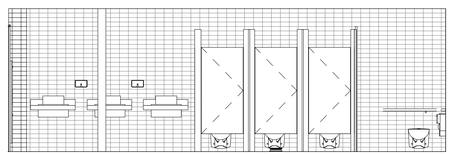
8 VISITOR MEN'S WC WEST
1/4" = 1'-0"



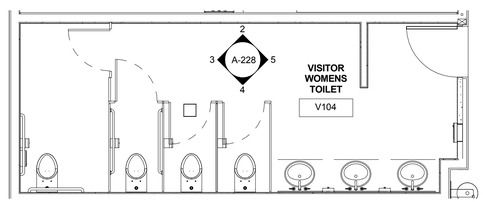
7 VISITOR MEN'S WC NORTH
1/4" = 1'-0"



5 VISITOR WOMEN'S WC EAST
1/4" = 1'-0"



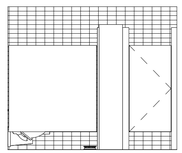
4 VISITOR WOMEN'S WC SOUTH
1/4" = 1'-0"



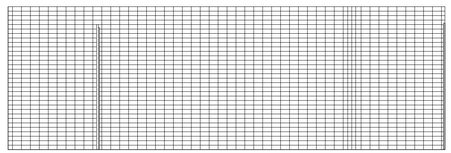
1 A-207 - VISITING TEAM CONCESSION AND RESTROOMS - Callout 2
1/4" = 1'-0"

V104 - VISITOR WOMENS TOILET

QTY	DESCRIPTION	MODEL
4	TOILET PAPER DISPENSER	BOBRICK B-2888
4	SANITARY NAPKIN	BOBRICK B-254
1	COMBO PAPER TOWEL AND TRASH	BOBRICK B-38032
2	SOAP DISPENSER	BOBRICK B-2112
0	SWIMSUIT SPINNER	SUTINATE 115/60HZ
4	GRAB RAIL	BOBRICK B-5806
0	CHANGING TABLE	KOALA CARE KB110-SSRE



3 VISITOR WOMEN'S WC WEST
1/4" = 1'-0"



2 VISITOR WOMEN'S WC NORTH
1/4" = 1'-0"

BUREAU OF ENGINEERING
OFFICIAL RECORD

INTERIOR ELEVATION KEYNOTES

1. PRE-ENGINEERED METAL BUILDING FRAME
2. STEEL FRAMING. SEE STRUCTURAL
3. PTD. CEMENT MASONRY UNIT
4. GLAZING
5. DROP CEILING
6. BIO-IMPREGNATED WOOD VERTICAL LOUVERS
7. STOREFRONT
8. DOOR AS SCHEDULED
9. STEEL ROD RAILING
10. GLASS BARRIER
11. GATE
12. BLEACHERS
13. METAL CHANNEL
14. BUILT IN SEATING
15. CEILING HUNG BASKETBALL HOOP
16. MECHANICAL EQUIP. SEE MECHANICAL DWGS
17. ALUMINUM SLAT CEILING ASSEMBLY
18. SCOREBOARD
19. PAINTED GYPSUM BOARD
20. PAINTED GREEN BOARD
21. SELF HEALING BULLETIN BOARD
22. SUBWAY TILE
23. LARGE FORMAT TILE
24. PHENOLIC PARTITION
25. 1" SOLID SURFACE COUNTER TOP
26. LAMINATE COUNTER TOP
27. WOOD CASEWORK
28. GYM WALL PADDING
29. EXTERIOR PLASTER FINISH
30. TOILET PAPER DISPENSER
31. SANITARY NAPKIN
32. COMBO PAPER TOWEL AND TRASH
33. SOAP DISPENSER
34. SWIMSUIT SPINNER
35. GRAB RAIL
36. CHANGING TABLE
37. PORTABLE FIRE EXTINGUISHER
38. MIRROR
39. CHAIN LINK FENCE

INTERIOR ELEVATION LEGEND

	PAINTED GYPSUM BOARD
WF-2	LARGE FORMAT TILE
WF-4	SELF HEALING BULLETIN BOARD
WF-5	GYM WALL PADS
WF-6	BIO-IMPREGNATED WOOD SIDING
WF-7	CEMENT MASONRY UNIT
WF-8	SUBWAY TILE
WF-9	STOREFRONT / CURTAIN WALL

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TEMPLATE SHEET REVISION DATE: 08/2014
REVISION DATE: 12/6/2016 11:34 AM FILE: Z:\14-018 RANCHO CIENEGA SPORTS COMPLEX\DRAWINGS\REVITLINKS-AUTOCAD\BOE_TITLEBLOCK_CD_BID SET_COVER SHEET.DWG

REVISION DATES
(DESIGN STAGE ONLY)

BUREAU OF ENGINEERING
CITY OF LOS ANGELES

NO. REVISIONS: DATE BY:

BUILDING NO. XX/XX

INDEX NO. - RP 300094

LICENSED ARCHITECT CHRISTOPHER M. WARNER C 23357 REN. 5/31/2017 STATE OF CALIFORNIA

BUREAU OF ENGINEERING
CITY OF LOS ANGELES
DEPARTMENT OF PUBLIC WORKS

CITY ENGINEER
GARY LEE MOORE, PE, ENV SP
ACCEPTED BY:
DATE

DEPUTY ENGINEER / PROGRAM MANAGER
CITY ENGINEER
DATE

VERTICAL CONTROL:
HORIZONTAL CONTROL:

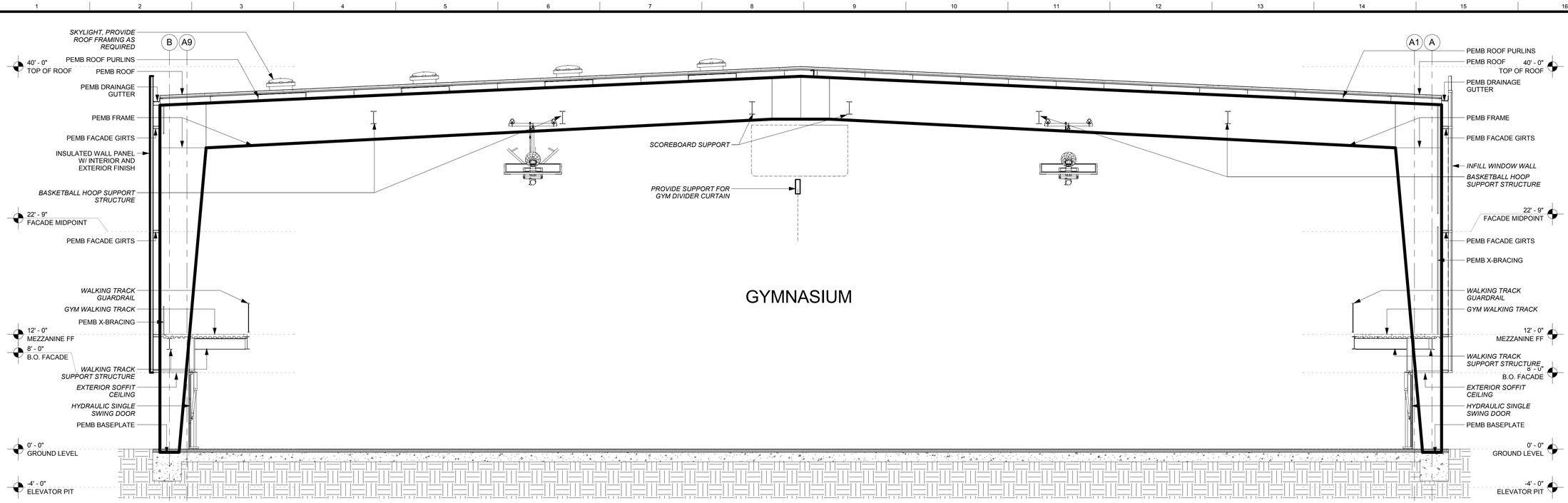
SHEET TITLE: VISITING AND PRO SHOP TOILET ENLARGED PLANS AND ELEVATIONS

PROJECT: RANCHO CIENEGA SPORTS COMPLEX

ADDRESS: 5001 RODEO ROAD
LOS ANGELES, CA 90016

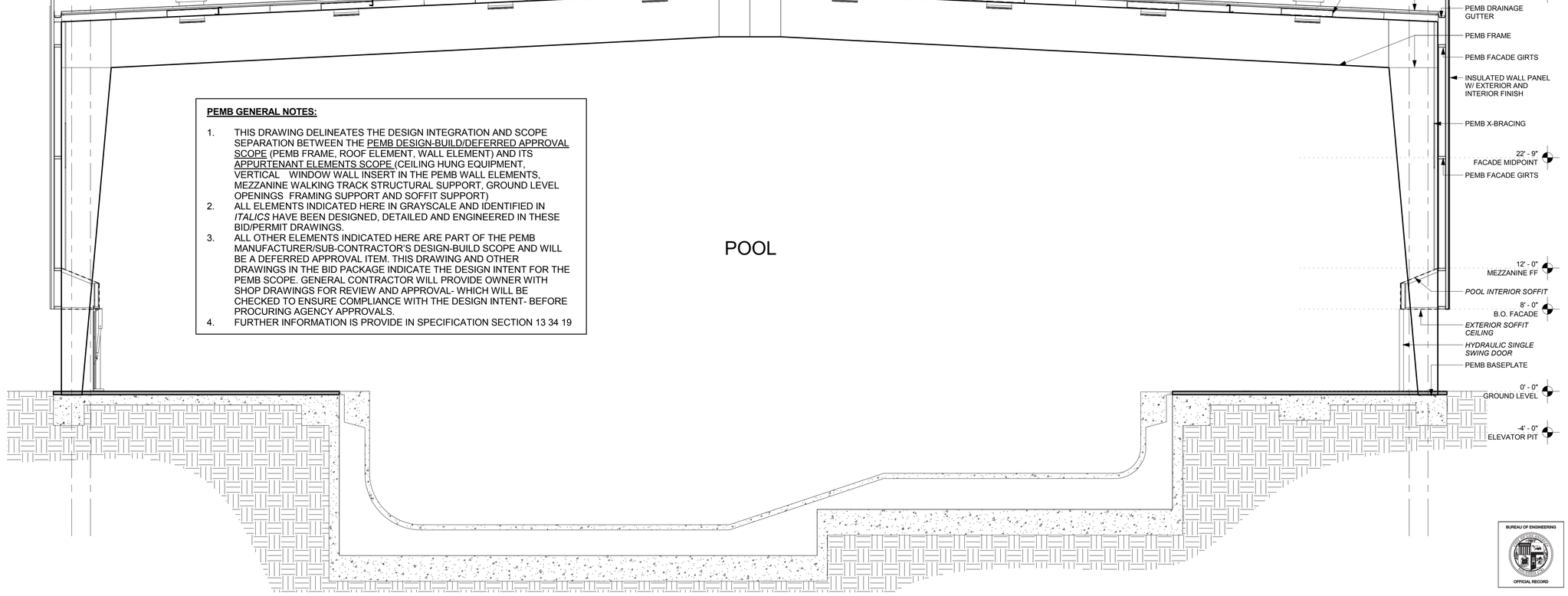
WORK ORDER NO. E1907694
PLAN FILE NO.
DRAWING NO. A-228
SHEET OF SHEETS

PLOTTED: 12/22/2016 4:22:27 PM



1 PEMB SECTION - GYM PANEL WALL
3/16" = 1'-0"

2 PEMB SECTION - GYM WINDOW WALL
3/16" = 1'-0"



PEMB GENERAL NOTES:

1. THIS DRAWING DELINEATES THE DESIGN INTEGRATION AND SCOPE SEPARATION BETWEEN THE PEMB DESIGN-BUILD/DEFERRED APPROVAL SCOPE (PEMB FRAME, ROOF ELEMENT, WALL ELEMENT) AND ITS APPURTENANT ELEMENTS SCOPE (CEILING HUNG EQUIPMENT, VERTICAL WINDOW WALL INSERT IN THE PEMB WALL ELEMENTS, MEZZANINE WALKING TRACK STRUCTURAL SUPPORT, GROUND LEVEL OPENINGS FRAMING SUPPORT AND SOFFIT SUPPORT)
2. ALL ELEMENTS INDICATED HERE IN GRAYSCALE AND IDENTIFIED IN *ITALICS* HAVE BEEN DESIGNED, DETAILED AND ENGINEERED IN THESE BID/PERMIT DRAWINGS.
3. ALL OTHER ELEMENTS INDICATED HERE ARE PART OF THE PEMB MANUFACTURER/SUB-CONTRACTOR'S DESIGN-BUILD SCOPE AND WILL BE A DEFERRED APPROVAL ITEM. THIS DRAWING AND OTHER DRAWINGS IN THE BID PACKAGE INDICATE THE DESIGN INTENT FOR THE PEMB SCOPE. GENERAL CONTRACTOR WILL PROVIDE OWNER WITH SHOP DRAWINGS FOR REVIEW AND APPROVAL- WHICH WILL BE CHECKED TO ENSURE COMPLIANCE WITH THE DESIGN INTENT- BEFORE PROCURING AGENCY APPROVALS.
4. FURTHER INFORMATION IS PROVIDE IN SPECIFICATION SECTION 13 34 19

3 PEMB SECTION - POOL
3/16" = 1'-0"

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REVISION DATES (DESIGN STAGE ONLY)

BUREAU OF ENGINEERING
ENGINEERING
CITY OF LOS ANGELES

BUREAU OF ENGINEERING

NO.	REVISIONS:	DATE:	BY:

BUILDING NO.

RP 300094

INDEX NO.

LICENSED ARCHITECT
GARY LEE MOORE
C-19741
5/31/2017
RENEWAL DATE
STATE OF CALIFORNIA

BID SET SUBMITTAL

CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS

GARY LEE MOORE, PE, ENV SP CITY ENGINEER
ARCHITECTURAL DIVISION
DATE:
LIC. NO. C-19741
ARCHITECT: ZOLTAN E. PALI, FAIA
DESIGNED BY: ZEP
DRAWN BY: AOS
CHECKED BY: SM
APPROVED BY: MAHMOOD KARIMZADEH, A.I.A., PRINCIPAL ARCHITECT

VERTICAL CONTROL:
HORIZONTAL CONTROL:

SHEET TITLE: PEMB SCOPE DIAGRAM

PROJECT: RANCHO CIENEGA SPORTS COMPLEX

ADDRESS: 5001 RODEO ROAD
LOS ANGELES, CA 90016

BUREAU OF ENGINEERING
OFFICIAL RECORD

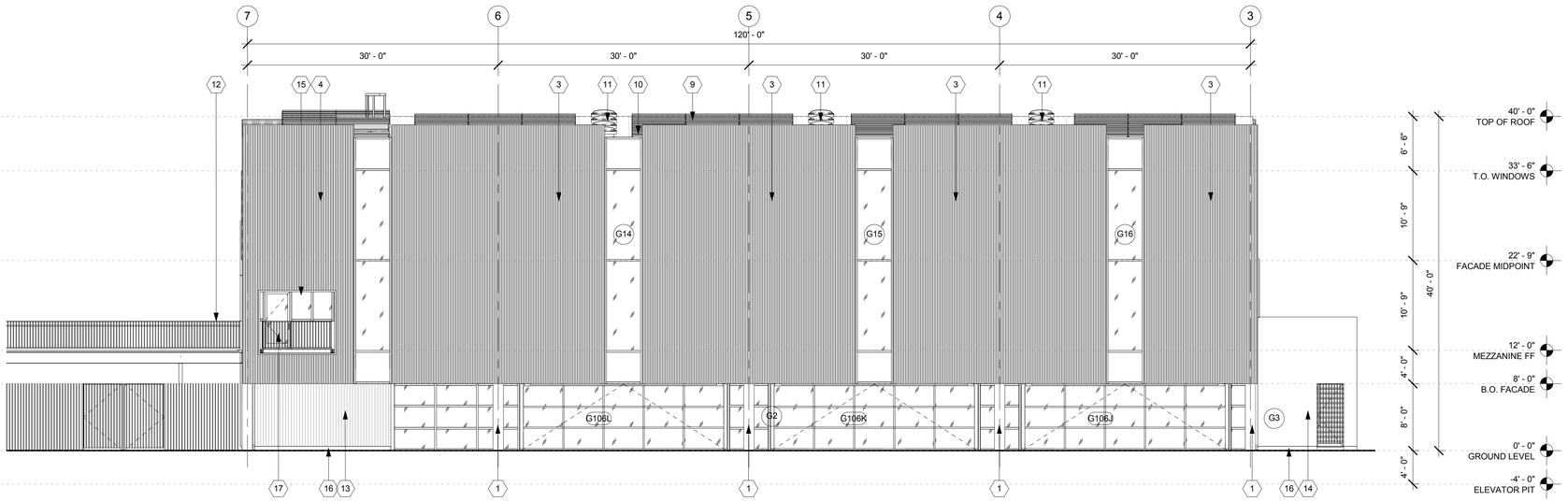
WORK ORDER NO.
E1907694

PLAN FILE NO.

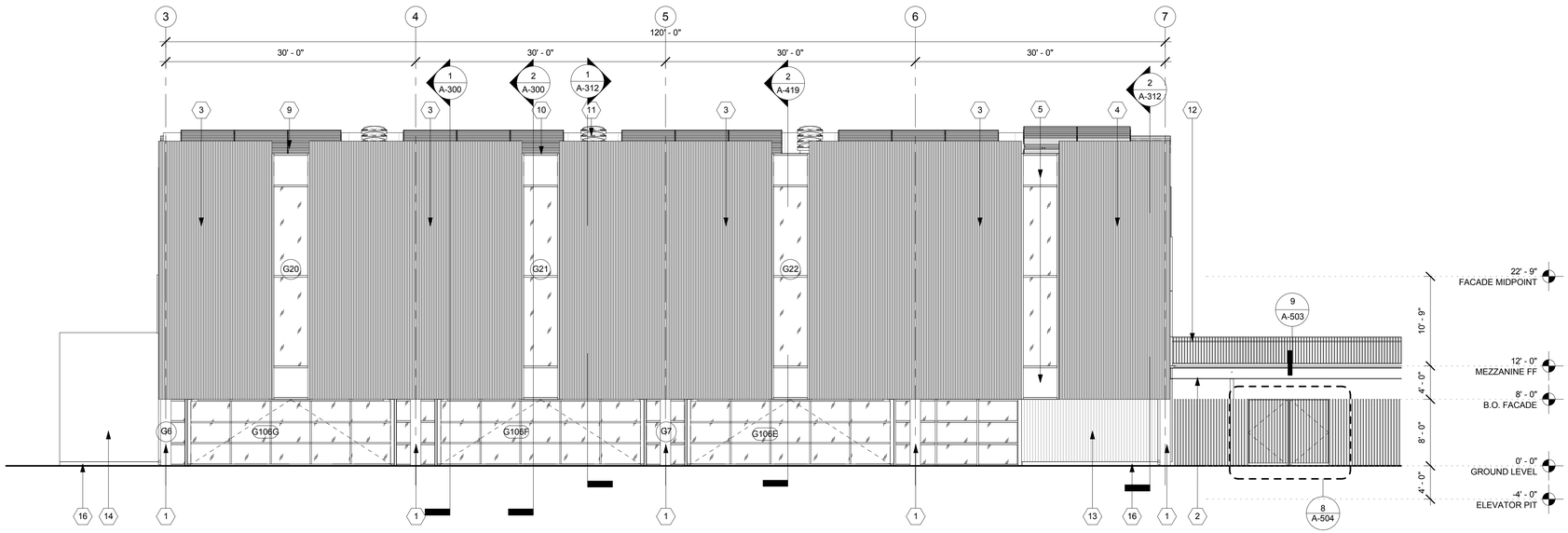
DRAWING NO.
A-300

SHEET OF SHEETS

PLOTTED: 12/22/2016 4:22:44 PM



2 NORTH ELEVATION - GYMNASIUM
1/8" = 1'-0"



1 SOUTH ELEVATION - GYMNASIUM
1/8" = 1'-0"

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7. ALL EXPOSED STEEL (EXTERIOR AND INTERIOR) TO BE PAINTED W/ HIGH PERFORMANCE COATING.
8. SEE A-300 FOR PEMB DESIGN/BUILD SCOPE

ELEVATION KEYNOTES

1. PRE-ENGINEERED METAL BUILDING FRAME
2. STRUCTURAL STEEL FRAMING. SEE STRUCTURAL.
3. CORRUGATED FOAMED INSULATION CORE METAL WALL PANEL
4. CORRUGATED METAL WALL PANEL
5. STUCCO
6. CEMENT MASONRY UNIT
7. STOREFRONT GLAZING
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31. ROOF ACCESS LADDER
32. EXISTING TENNIS PRO SHOP TO REMAIN
33. SCUPPER

BUREAU OF ENGINEERING
CITY OF LOS ANGELES

BUILDING NO.

INDEX NO. RP 300094

NO. REVISIONS: DATE: BY:

LICENSED ARCHITECT
ZOLTAN E. PALI
C-19741
5/31/2017
STATE OF CALIFORNIA

BID SET SUBMITTAL

BUREAU OF PUBLIC WORKS
CITY OF LOS ANGELES
DEPARTMENT OF PUBLIC

GARY LEE MOORE, PE, ENV SP CITY ENGINEER
ARCHITECTURAL DIVISION
DATE:
ARCHITECT: ZOLTAN E. PALI, FAIA LIC. NO. C-19741
DESIGNED BY: ZEP
DRAWN BY: AOS
CHECKED BY: SM
APPROVED BY: MAHMOOD KARIMZADEH, A.I.A., PRINCIPAL ARCHITECT

VERTICAL CONTROL:
HORIZONTAL CONTROL:

SHEET TITLE: NORTH, SOUTH ELEVATIONS - GYMNASIUM

PROJECT: RANCHO CIENEGA SPORTS COMPLEX
ADDRESS: 5001 RODEO ROAD
LOS ANGELES, CA 90016

BUREAU OF ENGINEERING
OFFICIAL RECORD

WORK ORDER NO. E1907694
PLAN FILE NO.
DRAWING NO. A-301
SHEET SHEETS OF

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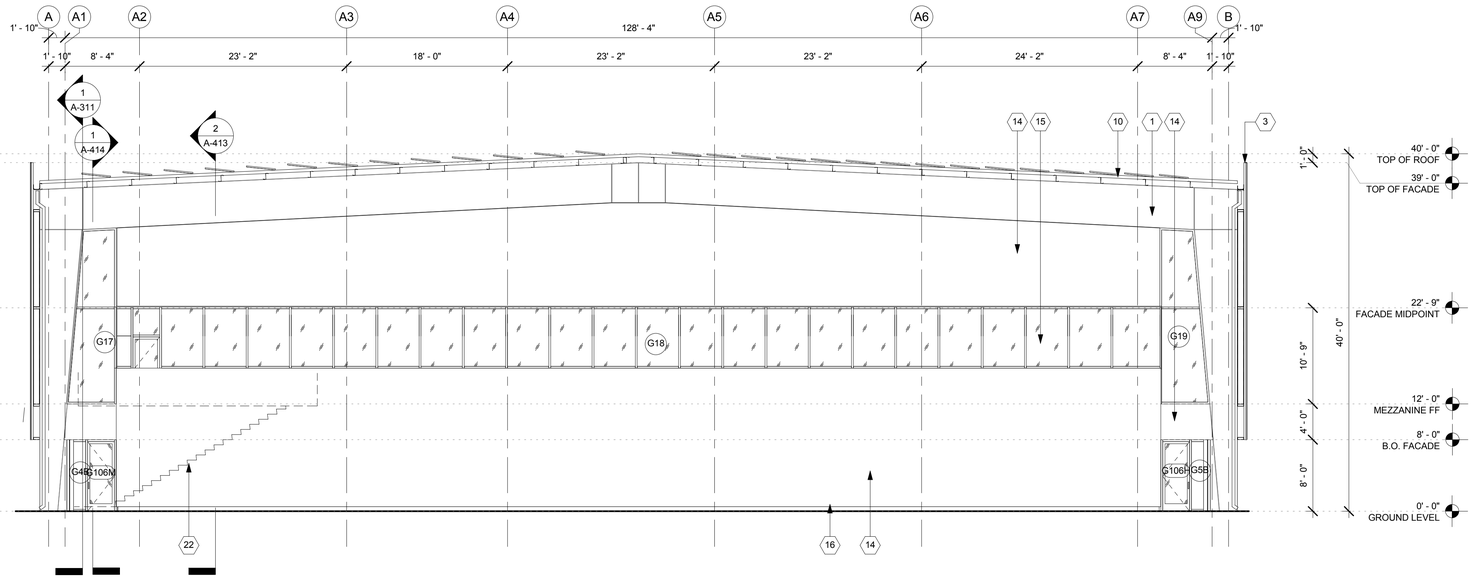
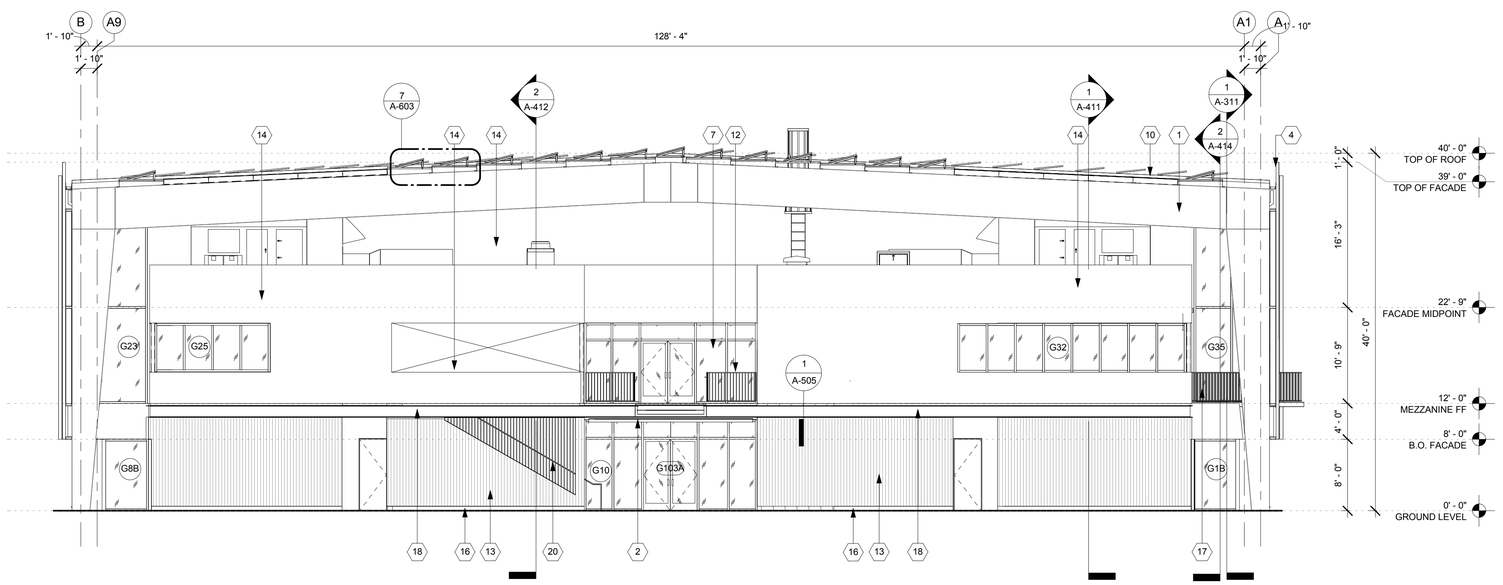


2 WEST ELEVATION - GYMNASIUM
1/8" = 1'-0"



1 EAST ELEVATION - GYMNASIUM
1/8" = 1'-0"

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8. SEE A-300 FOR PEMB DESIGN/BUILD SCOPE

ELEVATION KEYNOTES

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BUREAU OF ENGINEERING
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ENGINEERING
CITY OF LOS ANGELES

BUREAU OF ENGINEERING

NO.	REVISIONS:	DATE	BY:

BUILDING NO.

INDEX NO. RP 300094

LICENSED ARCHITECT
JOHN E. PALI
C-19741
5/31/2017
RENEWAL DATE
STATE OF CALIFORNIA

BID SET SUBMITTAL

CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS

VERTICAL CONTROL:
HORIZONTAL CONTROL:

SHEET TITLE: EAST, WEST ELEVATIONS - GYMNASIUM

PROJECT: RANCHO CIENEGA SPORTS COMPLEX

ADDRESS: 5001 RODEO ROAD
LOS ANGELES, CA 90016

GARY LEE MOORE, PE, ENV SP CITY ENGINEER
ARCHITECTURAL DIVISION
DATE:
ARCHITECT: ZOLTAN E. PALI, FAIA LIC. NO. C-19741 PRINCIPAL ARCHITECT
DESIGNED BY: ZEP
DRAWN BY: AOS
CHECKED BY: SM
APPROVED BY: MAHMOOD KARIMZADEH, A.I.A., PRINCIPAL ARCHITECT

WORK ORDER NO.
E1907694
PLAN FILE NO.
DRAWING NO.
A-302
SHEET
SHEETS
OF

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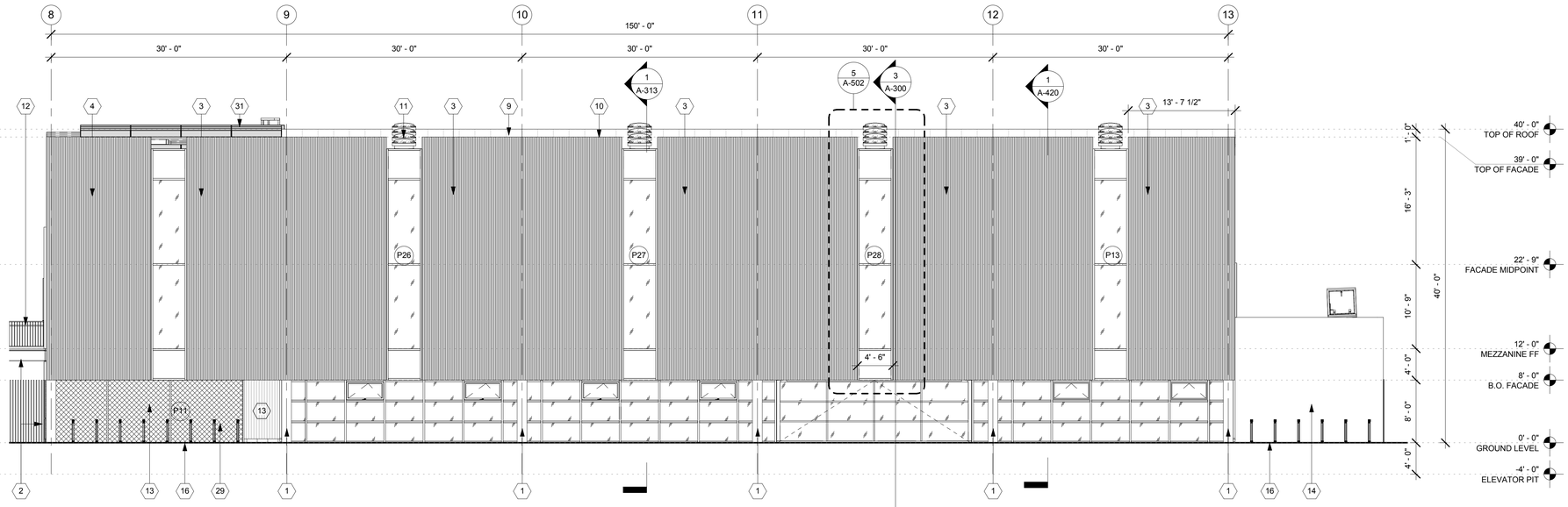
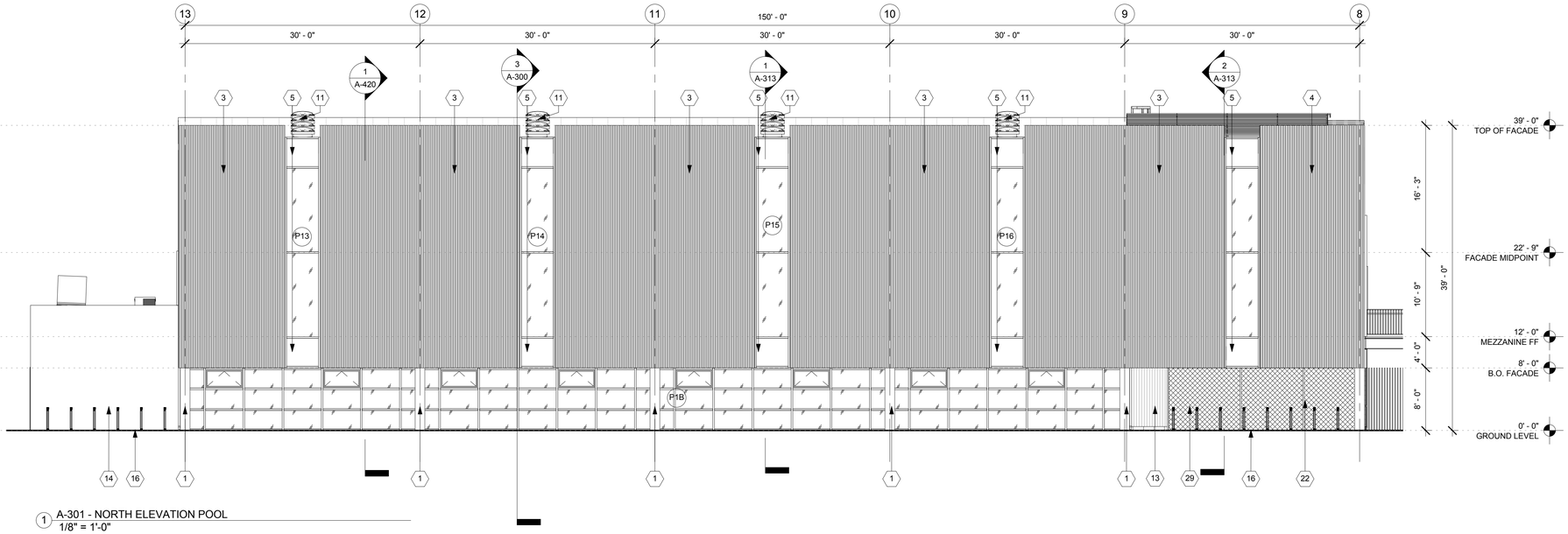


2 SOUTH ELEVATION - POOL
1/8" = 1'-0"



1 A-301 - NORTH ELEVATION POOL
1/8" = 1'-0"

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8. SEE A-300 FOR PEMB DESIGN/BUILD SCOPE

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BUREAU OF ENGINEERING
OFFICIAL RECORD

BID SET SUBMITTAL

CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS

BUREAU OF ENGINEERING

CITY OF LOS ANGELES ENGINEERING

BUILDING NO.

INDEX NO. RP 300094

NO. REVISIONS: DATE: BY:

LICENSED ARCHITECT C-19741 5/31/2017 RENEWAL DATE STATE OF CALIFORNIA

GARY LEE MOORE, PE, ENV SP CITY ENGINEER
ARCHITECTURAL DIVISION
DATE:
LIC. NO. C-19741

ARCHITECT: ZOLTAN E. PALI, FAIA
DESIGNED BY: ZEP
DRAWN BY: AOS
CHECKED BY: SM
APPROVED BY: MAHMOOD KARIMZADEH, A.I.A., PRINCIPAL ARCHITECT

VERTICAL CONTROL:
HORIZONTAL CONTROL:

SHEET TITLE: NORTH, SOUTH ELEVATIONS - POOL

PROJECT: RANCHO CIENEGA SPORTS COMPLEX

ADDRESS: 5001 RODEO ROAD
LOS ANGELES, CA 90016

WORK ORDER NO. E1907694
PLAN FILE NO.
DRAWING NO. A-303
SHEET OF SHEETS

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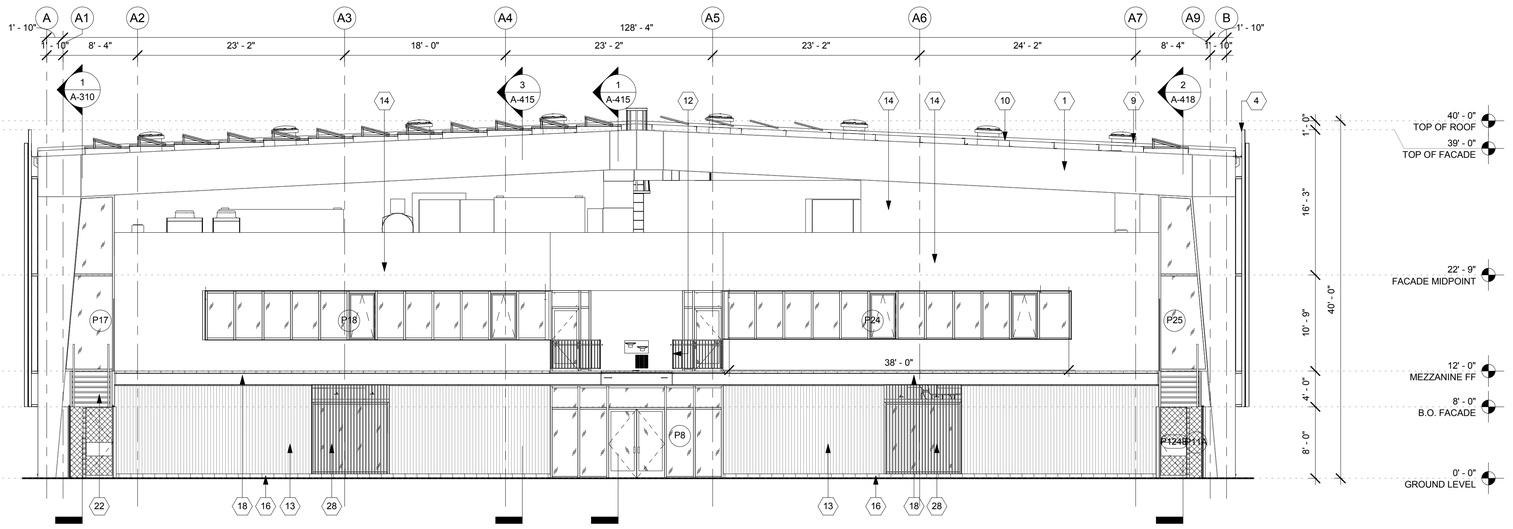
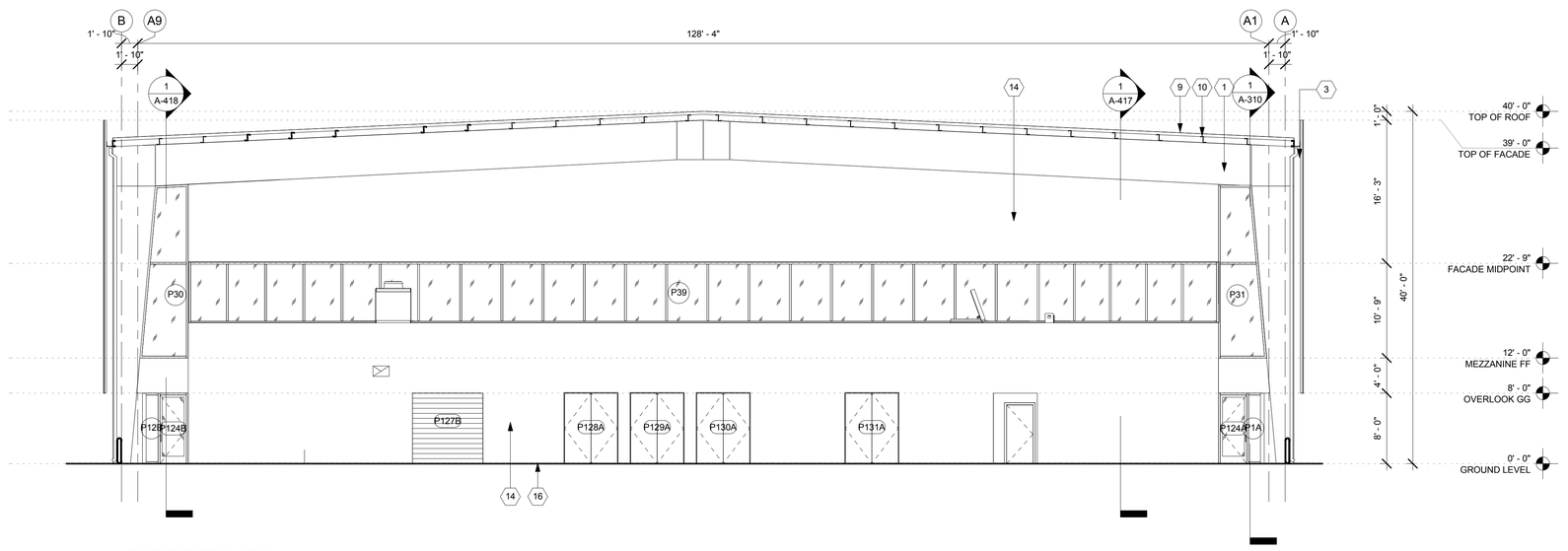


2 WEST ELEVATION - POOL
1/8" = 1'-0"



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BUREAU OF ENGINEERING
ENGINEERING
CITY OF LOS ANGELES

NO.	REVISIONS:	DATE:	BY:

BUILDING NO.

INDEX NO. RP 300094

LICENSED ARCHITECT
JOHN E. PALI
C-19741
5/31/2017
PAID
STATE OF CALIFORNIA

BID SET SUBMITTAL

CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS

GARY LEE MOORE, PE, ENV SP CITY ENGINEER
ARCHITECTURAL DIVISION
LIC. NO. C-19741 DATE:

ARCHITECT: ZOLTAN E. PALI, FAIA
DESIGNED BY: ZEP
DRAWN BY: AOS
CHECKED BY: SM
APPROVED BY: MAHMOOD KARIMZADEH, A.I.A., PRINCIPAL ARCHITECT

VERTICAL CONTROL:
HORIZONTAL CONTROL:

SHEET TITLE: EAST, WEST ELEVATIONS - POOL

PROJECT: RANCHO CIENEGA SPORTS COMPLEX

ADDRESS: 5001 RODEO ROAD
LOS ANGELES, CA 90016

BUREAU OF ENGINEERING
OFFICIAL RECORD

WORK ORDER NO. E1907694
PLAN FILE NO.
DRAWING NO. A-304
SHEET OF SHEETS

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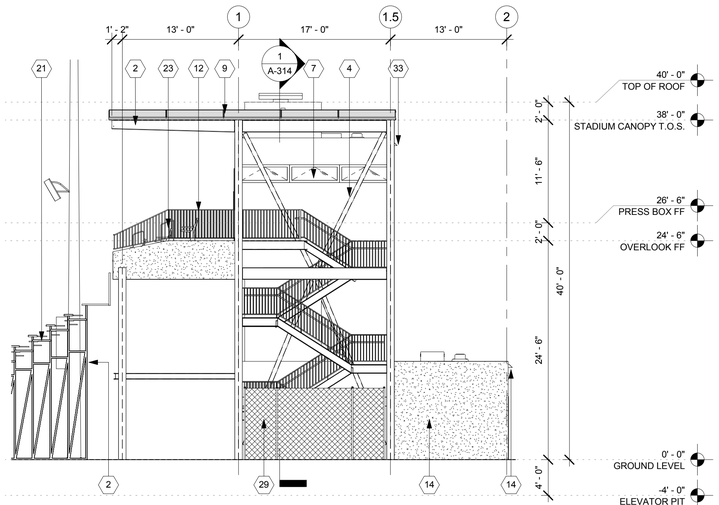
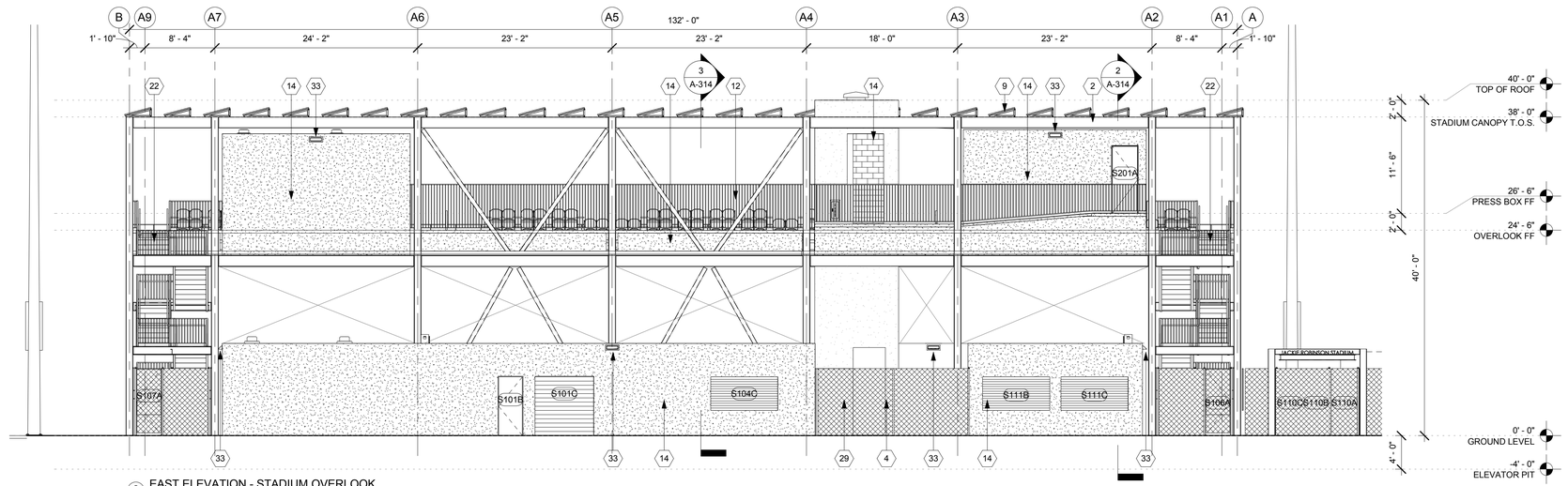


3 SOUTH ELEVATION - STADIUM OVERLOOK (NORTH SIMILAR)
1/8" = 1'-0"



2 EAST ELEVATION - STADIUM OVERLOOK
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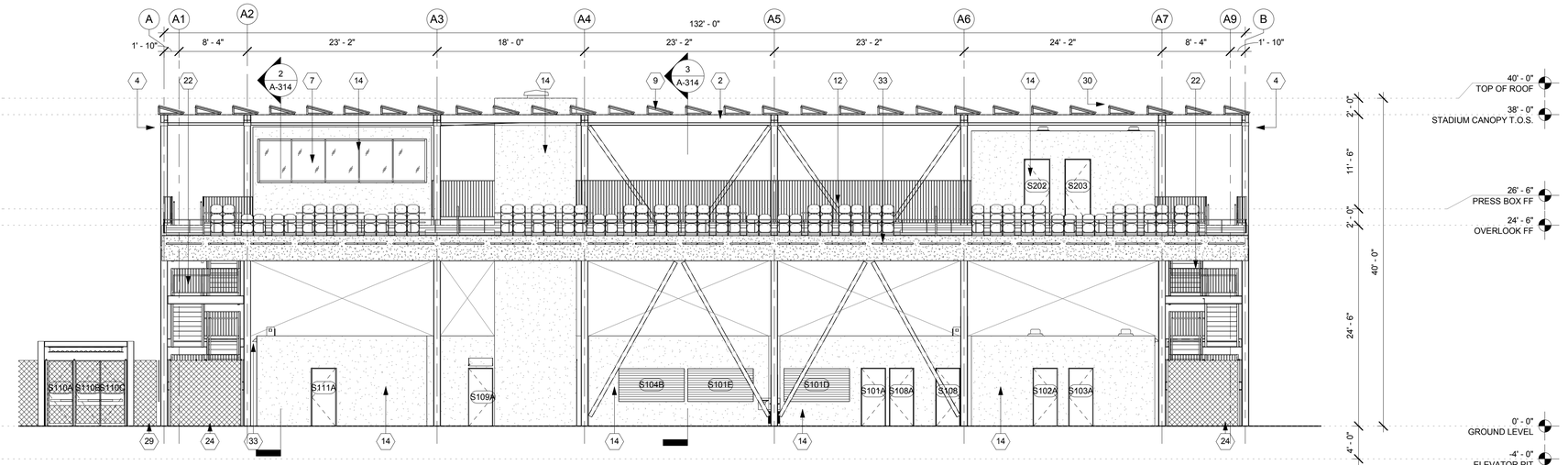

1 WEST ELEVATION - STADIUM OVERLOOK
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20. METAL LOUVER RAILING
21. BLEACHERS
22. METAL STAIR
23. FIXED SEATING
24. CHAINLINK GATE
25. OVERHEAD COILING DOOR
26. RETURN AIR LOUVER, SEE MECH. DWGS
27. DUCTWORK, SEE MECH. DWGS
28. BIO-IMPREGNATED WOOD VERTICAL LOUVER
29. CHAINLINK FENCE
30. EXIST. STADIUM LIGHT TO REMAIN
31. ROOF ACCESS LADDER
32. EXISTING TENNIS PRO SHOP TO REMAIN
33. SCUPPER

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REVISION DATE: 10/24/2016 5:30 PM
FILE: Z:\14-018 RANCHO CIENEGA SPORTS COMPLEX\DRAWINGS\REVIT\LINKS-AUTOCAD\BOE_TITLEBLOCK_CD_80PERCENT.DWG

REVISION DATES (DESIGN STAGE ONLY)

BUREAU OF ENGINEERING
ENGINEERING
CITY OF LOS ANGELES

NO. REVISIONS: DATE: BY:

BUILDING NO.

INDEX NO. RP 300094

LICENSED ARCHITECT
ZOLTAN E. PALI
C-19741
5/31/2017
RENEW
STATE OF CALIFORNIA

BID SET SUBMITTAL

CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS
BUREAU OF ENGINEERING

VERTICAL CONTROL:
HORIZONTAL CONTROL:

SHEET TITLE: ELEVATIONS - STADIUM OVERLOOK

PROJECT: RANCHO CIENEGA SPORTS COMPLEX

ADDRESS: 5001 RODEO ROAD
LOS ANGELES, CA 90016

GARY LEE MOORE, PE, ENV SP CITY ENGINEER DATE:
ARCHITECTURAL DIVISION LIC. NO. C-19741
ARCHITECT: ZOLTAN E. PALI, FAIA DESIGNED BY: ZEP
DRAWN BY: AOS
CHECKED BY: SM
APPROVED BY: MAHMOOD KARIMZADEH, A.I.A., PRINCIPAL ARCHITECT

BUREAU OF ENGINEERING
OFFICIAL RECORD

WORK ORDER NO. E1907694
PLAN FILE NO.
DRAWING NO. A-305
SHEET OF SHEETS

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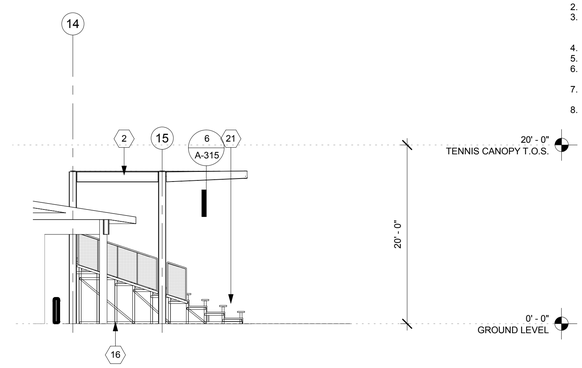
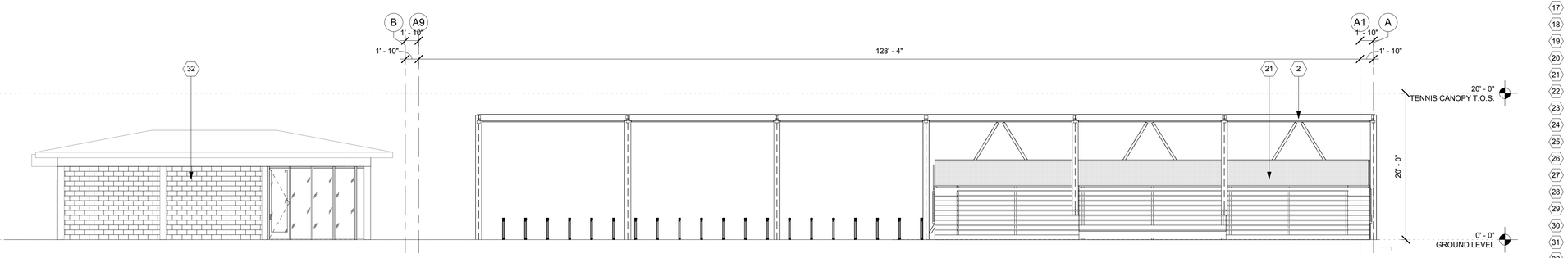
8. SEE A-300 FOR PEMB DESIGN/BUILD SCOPE



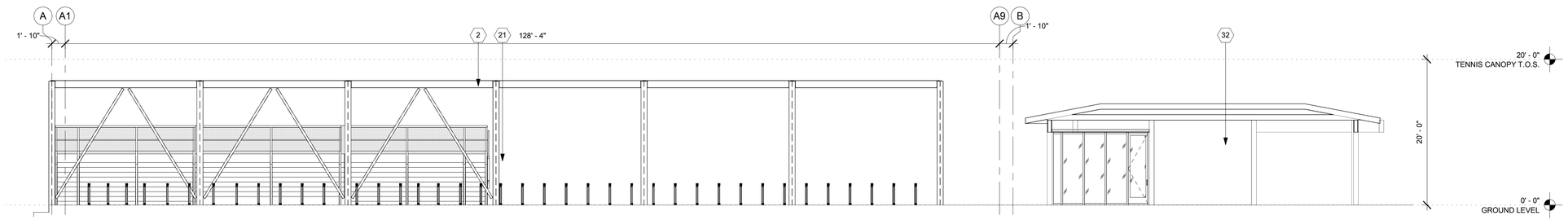
3 SOUTH ELEVATION - TENNIS GRANDSTAND (NORTH SIMILAR)
1/8" = 1'-0"

ELEVATION KEYNOTES

1. PRE-ENGINEERED METAL BUILDING FRAME
2. STRUCTURAL STEEL FRAMING. SEE STRUCTURAL.
3. CORRUGATED FOAMED INSULATION CORE METAL WALL PANEL
4. CORRUGATED METAL WALL PANEL
5. STUCCO
6. CEMENT MASONRY UNIT
7. STOREFRONT GLAZING
8. HYDRAULIC SINGLE SWING DOOR
9. PHOTOVOLTAIC PANELS
10. METAL ROOF PANEL WITH RIGID INSULATION BOARD CORE
11. SOLAR TUBE SKYLIGHT
12. METAL RAILING
13. BIO-IMPREGNATED WOOD SIDING
14. EXTERIOR PLASTER FINISH
15. GLAZING AS SCHEDULED
16. CONCRETE CURB
17. GLASS RAILING
18. 16" REVEAL CHANNEL
19. CONCRETE STAIR
20. METAL LOUVER RAILING
21. BLEACHERS
22. METAL STAIR
23. FIXED SEATING
24. CHAINLINK GATE
25. OVERHEAD COILING DOOR
26. RETURN AIR LOUVER, SEE MECH. DWGS
27. DUCTWORK, SEE MECH. DWGS
28. BIO-IMPREGNATED WOOD VERTICAL LOUVER
29. CHAINLINK FENCE
30. EXIST. STADIUM LIGHT TO REMAIN
31. ROOF ACCESS LADDER
32. EXISTING TENNIS PRO SHOP TO REMAIN
33. SCUPPER



2 EAST ELEVATION - TENNIS GRANDSTAND
1/8" = 1'-0"



1 WEST ELEVATION - TENNIS GRANDSTAND
1/8" = 1'-0"

BUREAU OF ENGINEERING
OFFICIAL RECORD

BID SET SUBMITTAL

CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS

BUREAU OF ENGINEERING

CITY OF LOS ANGELES

NO.	REVISIONS:	DATE:	BY:

BUILDING NO.

INDEX NO. RP 300094

LICENSED ARCHITECT
JOHN E. PALI
C-19741
5/31/2017
RENEWAL DATE
STATE OF CALIFORNIA

CITY ENGINEER	
DATE:	
GARY LEE MOORE, PE, ENV SP	
ARCHITECTURAL DIVISION	
LIC. NO. C-19741	
ARCHITECT: ZOLTAN E. PALI, FAIA	
DESIGNED BY: ZEP	
DRAWN BY: AOS	
CHECKED BY: SM	
APPROVED BY: MAHMOOD KARIMZADEH, A.I.A., PRINCIPAL ARCHITECT	

VERTICAL CONTROL:
HORIZONTAL CONTROL:

SHEET TITLE: ELEVATIONS - TENNIS GRANDSTAND

PROJECT: RANCHO CIENEGA SPORTS COMPLEX

ADDRESS: 5001 RODEO ROAD
LOS ANGELES, CA 90016

WORK ORDER NO. E1907694

PLAN FILE NO.

DRAWING NO. A-306

SHEET OF SHEETS

PLOTTED: 12/22/2016 4:23:23 PM

REVISION DATES: (DESIGN STAGE ONLY)

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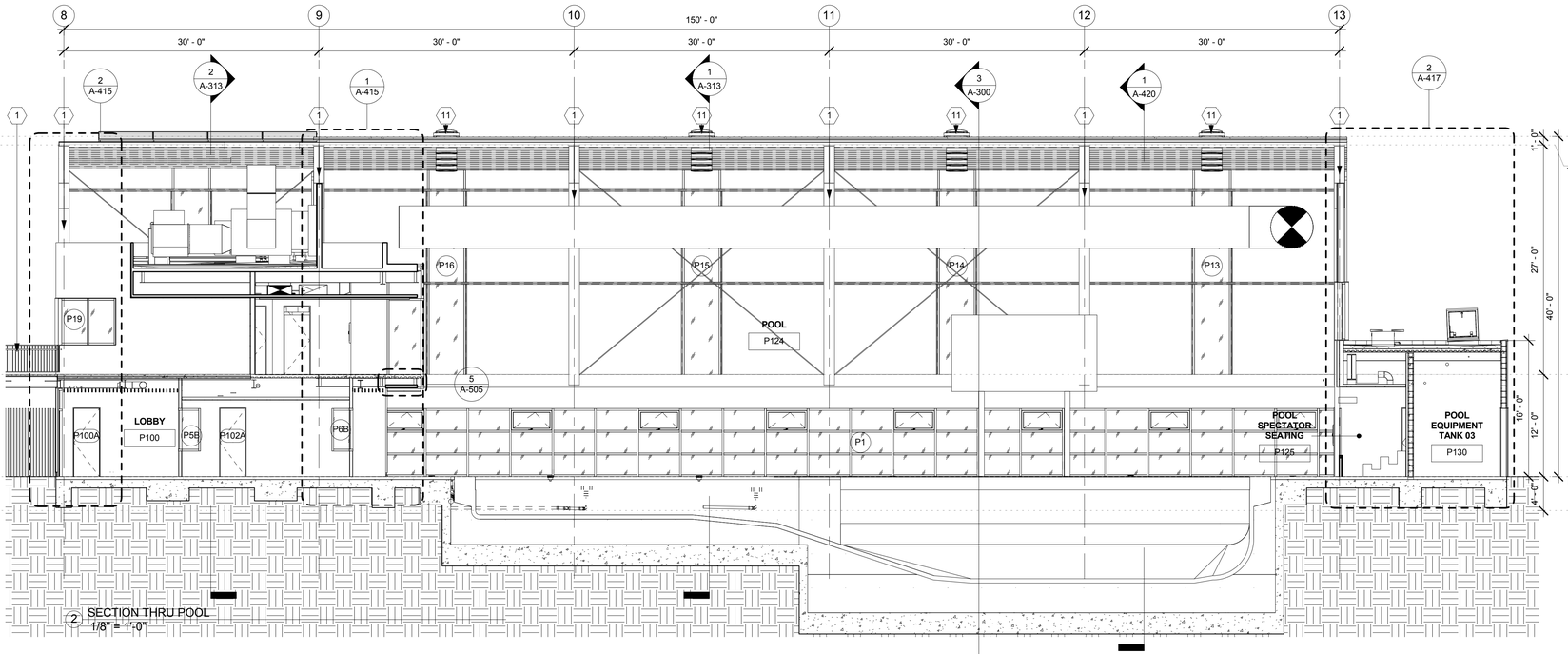
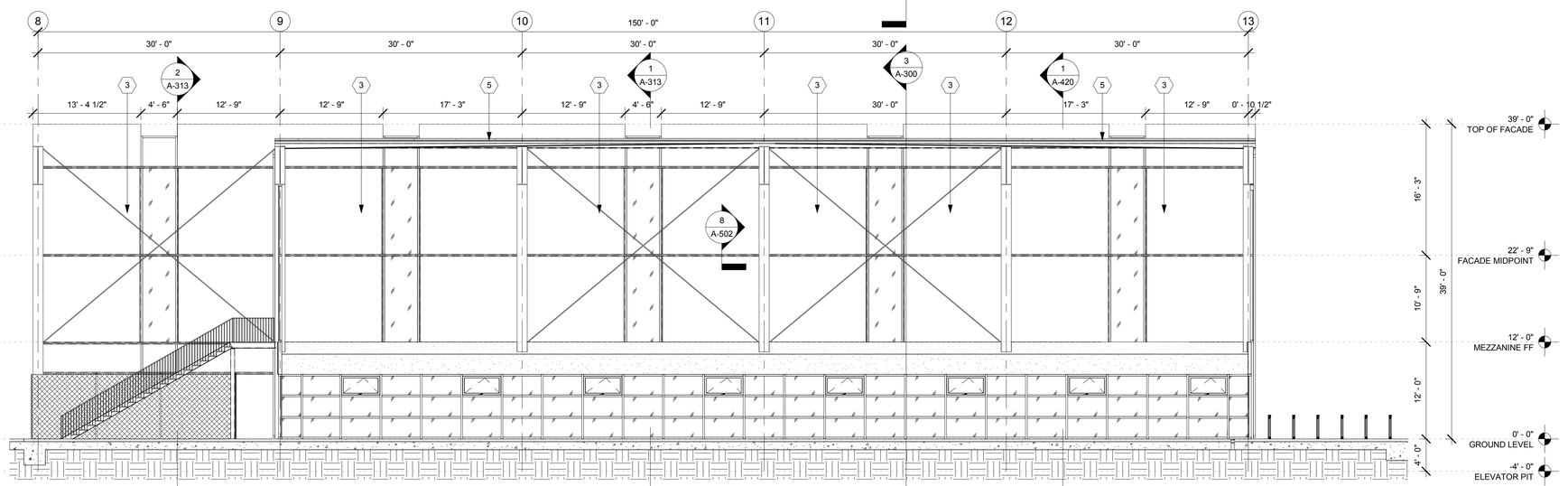


2 SECTION THRU POOL
1/8" = 1'-0"



1 POOL SECTION @ WALL PANEL
1/8" = 1'-0"

SECTION KEYNOTES

1. PRE-ENGINEERED METAL BUILDING FRAME PER STRUCTURAL
2. STEEL FRAMING PER STRUCTURAL
3. CORRUGATED FOAMED INSULATION CORE METAL WALL PANEL
4. CORRUGATED METAL WALL PANEL
5. METAL ROOF PANEL WITH RIGID INSULATION BOARD CORE
6. FLOOR DECK PER STRUCTURAL
7. CEMENT MASONRY UNIT WALL
8. WOOD FRTW STUD WALL
9. BEAM PER STRUCTURAL
10. STOREFRONT GLAZING
11. HYDRAULIC SINGLE SWING DOOR
12. CONCRETE SLAB PER STRUCTURAL
13. FOOTING PER STRUCTURAL
14. WINDOW AS SCHEDULED
15. PLASTER WALL FINISH
16. BLEACHERS
17. BUILT IN SEATING
18. POOL SHELL PER POOL CONSULTANT
19. ROOF EQUIPMENT
20. PHOTOVOLTAIC PANELS
21. WALL PADS
22. METAL RAILING
23. SCOREBOARD
24. CEILING HUNG BASKETBALL HOOP
25. SOLAR TUBE
26. ACOUSTIC CEILING PANEL
27. METAL STAIR
28. SELF-HEALING BULLETIN BOARD MATERIAL
29. ALUM. REVEAL
30. METAL PANEL
31. ROOF LADDER ACCESS
32. GYM DIVIDER CURTAIN

SYMBOL LEGEND

SOLATUBE SKYLIGHT

XXX WINDOW TYPE, SEE SCHEDULE

BID SET SUBMITTAL

BUREAU OF ENGINEERING

CITY OF LOS ANGELES

BUILDING NO.

INDEX NO. RP 300094

NO. REVISIONS: DATE: BY:

LICENSED ARCHITECT ZOLTAN E. PALI C-19741 5/31/2017 RENEWAL DATE STATE OF CALIFORNIA

BUREAU OF ENGINEERING

CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS

CITY ENGINEER: GARY LEE MOORE, PE, ENV SP DATE:

ARCHITECTURAL DIVISION LIC. NO. C-19741

ARCHITECT: ZOLTAN E. PALI, FAIA

DESIGNED BY: ZEP

DRAWN BY: AOS

CHECKED BY: SM

APPROVED BY: MAHMOOD KARIMZADEH, A.I.A., PRINCIPAL ARCHITECT

VERTICAL CONTROL:

HORIZONTAL CONTROL:

SHEET TITLE: LONGITUDINAL SECTIONS - POOL

PROJECT: RANCHO CIENEGA SPORTS COMPLEX

ADDRESS: 5001 RODEO ROAD
LOS ANGELES, CA 90016

WORK ORDER NO. E1907694

PLAN FILE NO.

DRAWING NO. A-310

SHEET OF SHEETS

BUREAU OF ENGINEERING OFFICIAL RECORD

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REVISION DATES (DESIGN STAGE ONLY)

TEMPLATE SHEET REVISION DATE: 08/2014

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8. SEE A-300 FOR PEMB DESIGN/BUILD SCOPE

SECTION KEYNOTES

1. PRE-ENGINEERED METAL BUILDING FRAME PER STRUCTURAL
2. STEEL FRAMING PER STRUCTURAL
3. CORRUGATED FOAMED INSULATION CORE METAL WALL PANEL
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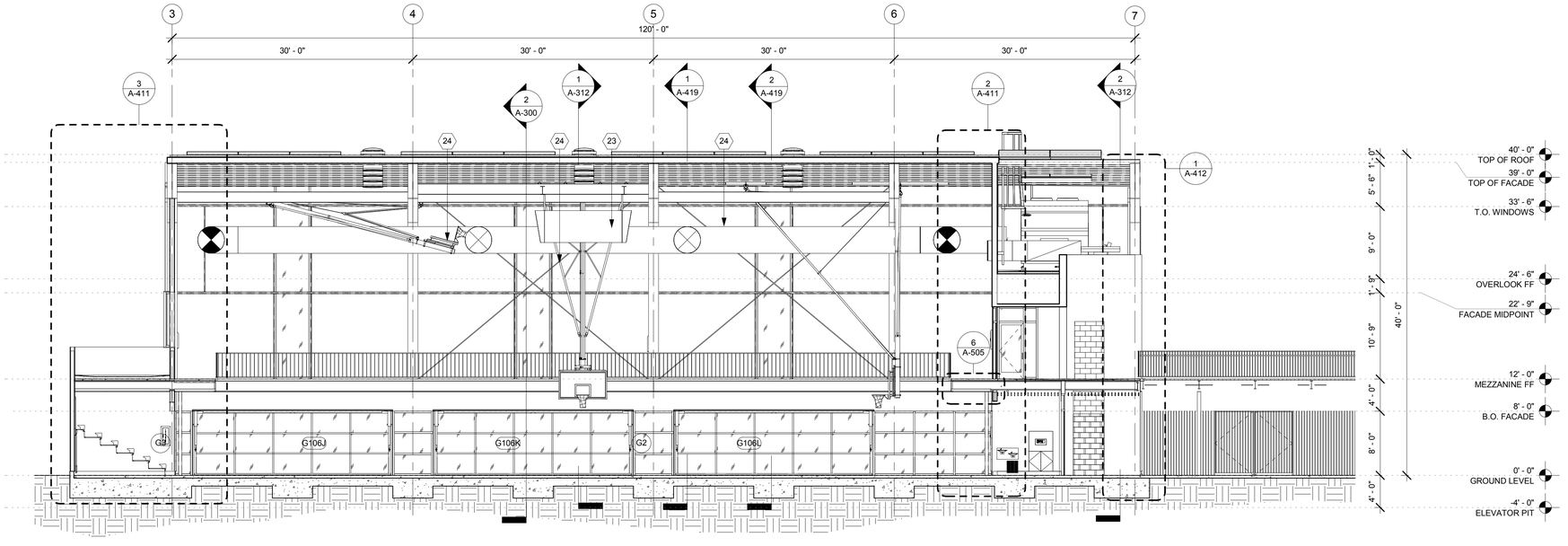
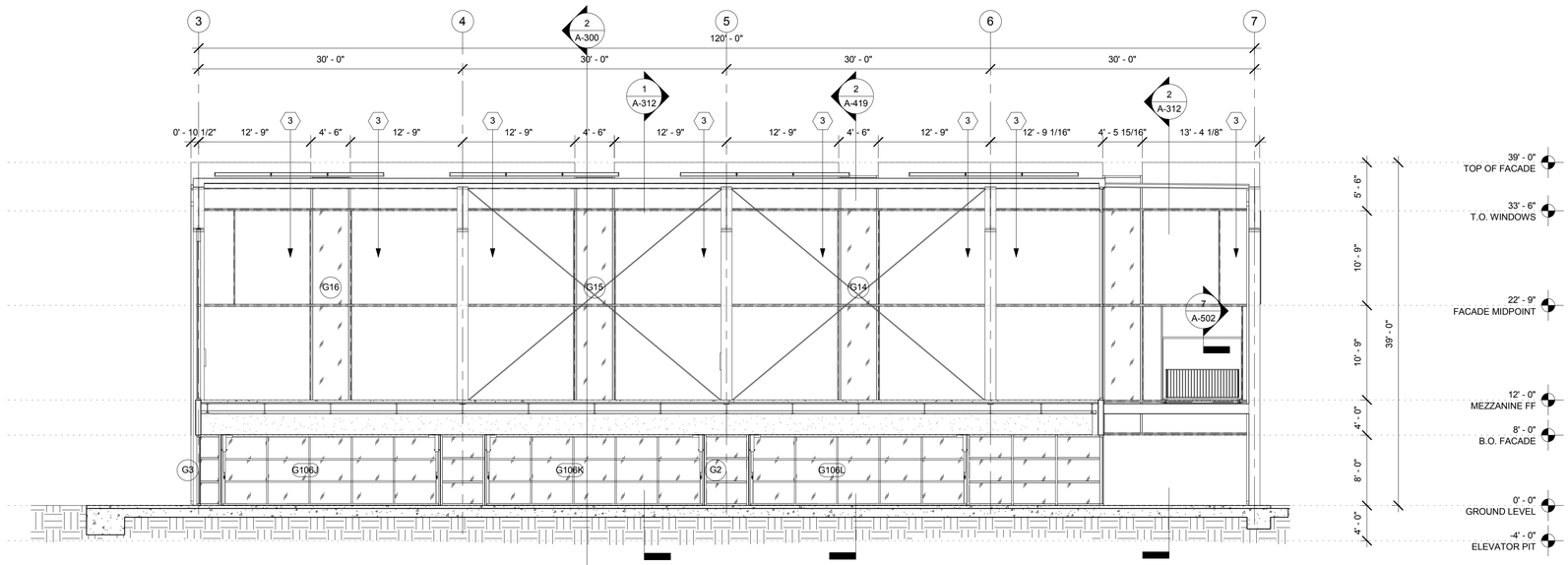
30. METAL PANEL
31. ROOF LADDER ACCESS
32. GYM DIVIDER CURTAIN



2 SECTION THRU GYMNASIUM
1/8" = 1'-0"



1 GYM SECTION @ WALL PANEL
1/8" = 1'-0"

BUREAU OF ENGINEERING
OFFICIAL RECORD

BID SET SUBMITTAL

CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS

VERTICAL CONTROL:
HORIZONTAL CONTROL:

SHEET TITLE: LONGITUDINAL SECTIONS - GYM

PROJECT: RANCHO CIENEGA SPORTS COMPLEX

ADDRESS: 5001 RODEO ROAD
LOS ANGELES, CA 90016

WORK ORDER NO.
E1907694

PLAN FILE NO.

DRAWING NO.
A-311

SHEET OF SHEETS

BUREAU OF ENGINEERING

NO. REVISIONS: DATE: BY:

BUILDING NO.

INDEX NO. RP 300094

LICENSED ARCHITECT JOHN CARL PALI C-19741 5/31/2017 STATE OF CALIFORNIA

CITY OF LOS ANGELES ENGINEERING

GARY LEE MOORE, PE, ENV SP CITY ENGINEER DATE:

ARCHITECTURAL DIVISION LIC. NO. C-19741

ARCHITECT: ZOLTAN E. PALI, FAIA DESIGNED BY: ZEP

DRAWN BY: AOS

CHECKED BY: SM

APPROVED BY: MAHMOOD KARIMZADEH, A.I.A., PRINCIPAL ARCHITECT

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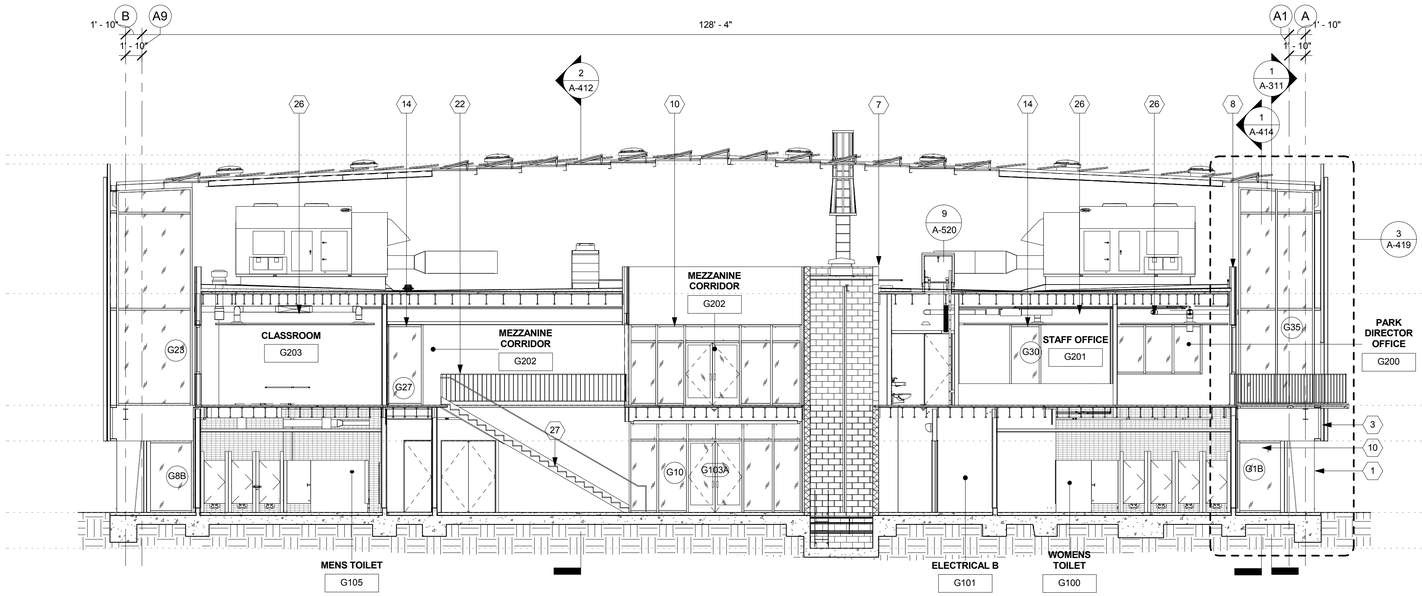
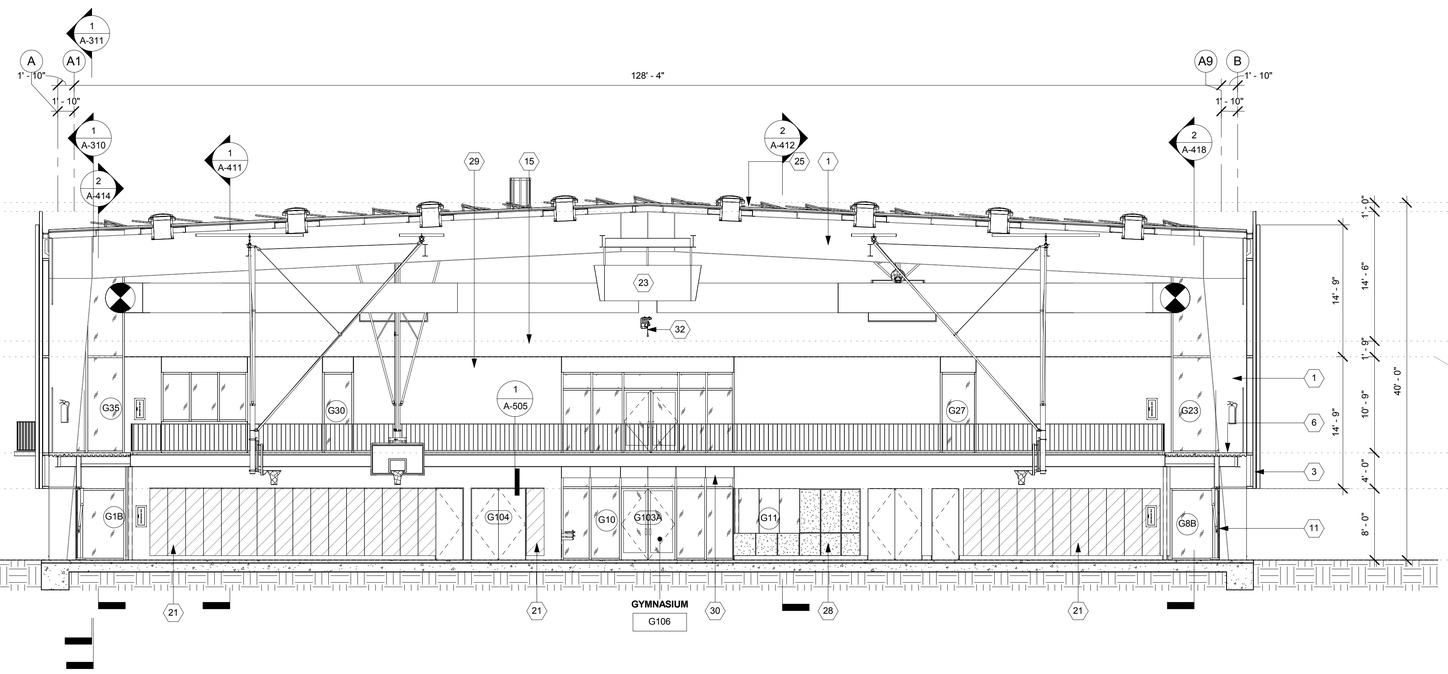


2 CROSS SECTION THRU GYM PROGRAM BLOCK
1/8" = 1'-0"



1 CROSS SECTION THRU GYMNASIUM
1/8" = 1'-0"

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8. SEE A-300 FOR PEMB DESIGN/BUILD SCOPE

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23. SCOREBOARD
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25. SOLAR TUBE
26. ACOUSTIC CEILING PANEL
27. METAL STAIR
28. SELF-HEALING BULLETIN BOARD MATERIAL
29. ALUM. REVEAL
30. METAL PANEL
31. ROOF LADDER ACCESS
32. GYM DIVIDER CURTAIN

SYMBOL LEGEND

SOLATUBE SKYLIGHT

XXX WINDOW TYPE, SEE SCHEDULE

BUREAU OF ENGINEERING
OFFICIAL RECORD

BID SET SUBMITTAL
DEPARTMENT OF PUBLIC WORKS
CITY OF LOS ANGELES

GARY LEE MOORE, PE, ENV SP — CITY ENGINEER — DATE:
ARCHITECTURAL DIVISION — LIC. NO. C-19741
ARCHITECT: ZOLTAN E. PALI, FAIA
DESIGNED BY: ZEP
DRAWN BY: AOS
CHECKED BY: SM
APPROVED BY: MAHMOOD KARIMZADEH, A.I.A., PRINCIPAL ARCHITECT

SHEET TITLE: CROSS SECTIONS THRU GYM
PROJECT: RANCHO CIENEGA SPORTS COMPLEX
ADDRESS: 5001 RODEO ROAD LOS ANGELES, CA 90016

WORK ORDER NO. E1907694
PLAN FILE NO.
DRAWING NO. A-312
SHEET OF SHEETS

PLOTTED: 12/22/2016 4:23:47 PM

BUREAU OF ENGINEERING
ENGINEERING
CITY OF LOS ANGELES

BUILDING NO.
RP 300094
INDEX NO.

NO. REVISIONS: DATE: BY:

LICENSED ARCHITECT ZOLTAN E. PALI C-19741 5/31/2017 RENEWAL DATE STATE OF CALIFORNIA

REVISION DATES (DESIGN STAGE ONLY)

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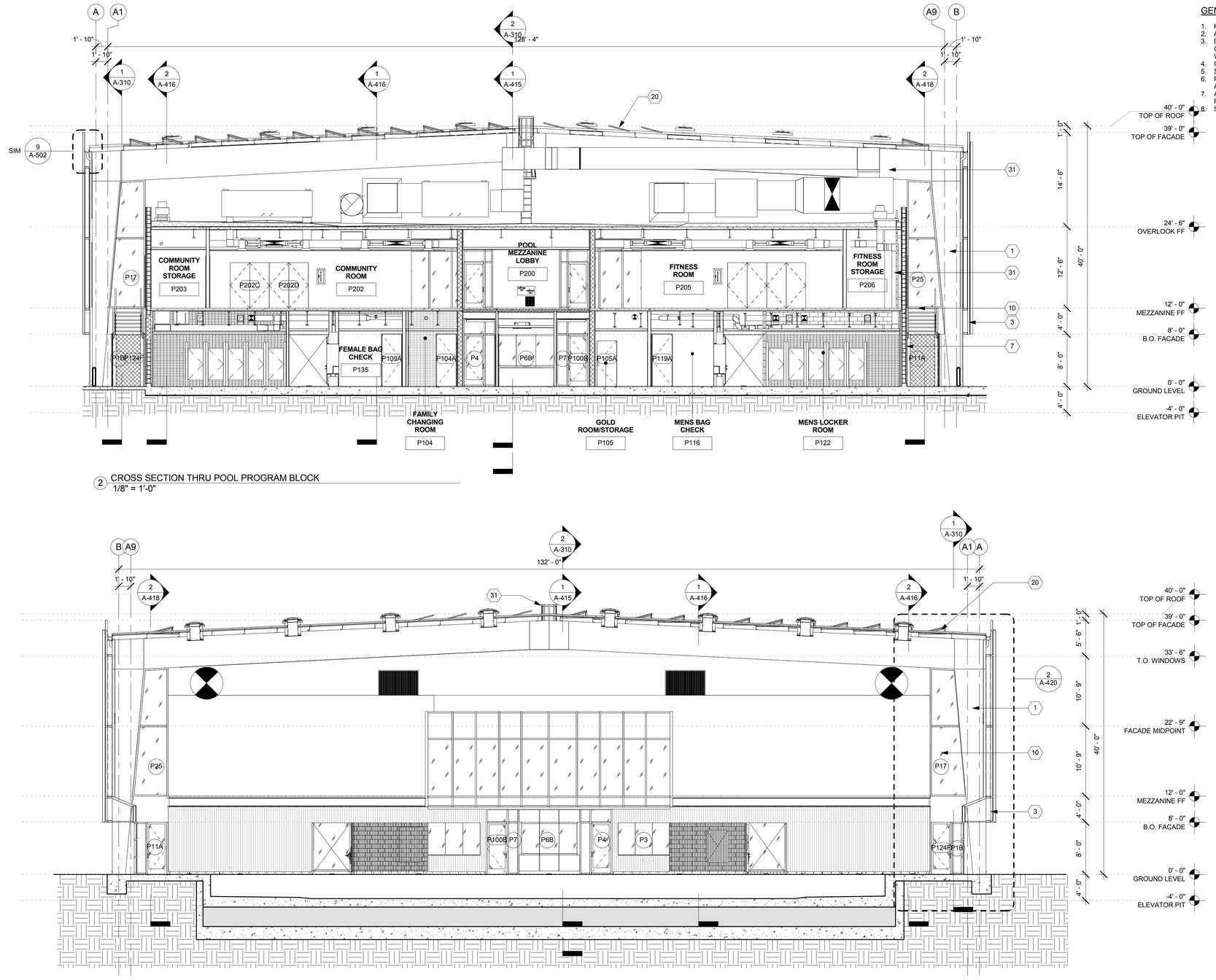

2 CROSS SECTION THRU POOL PROGRAM BLOCK
1/8" = 1'-0"

1 CROSS SECTION THRU POOL WEST
1/8" = 1'-0"

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SECTION KEYNOTES

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28. SELF-HEALING BULLETIN BOARD MATERIAL
29. ALUM. REVEAL
30. METAL PANEL
31. ROOF LADDER ACCESS
32. GYM DIVIDER CURTAIN

SYMBOL LEGEND

SOLATUBE SKYLIGHT

XXX WINDOW TYPE, SEE SCHEDULE

BID SET SUBMITTAL

CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS

BUREAU OF ENGINEERING

CITY OF LOS ANGELES ENGINEERING

BUILDING NO.

INDEX NO. RP 300094

NO. REVISIONS: DATE: BY:

LICENSED ARCHITECT JOHN ELLIS PALLI C-19741 5/31/2017 RENEWAL DATE STATE OF CALIFORNIA

GARY LEE MOORE, PE, ENV SP CITY ENGINEER DATE:
ARCHITECTURAL DIVISION LIC. NO. C-19741
ARCHITECT: ZOLTAN E. PALLI, FAIA DESIGNED BY: ZEP
DRAWN BY: AOS CHECKED BY: SM
APPROVED BY: MAHMOOD KARIMZADEH, A.I.A., PRINCIPAL ARCHITECT

VERTICAL CONTROL:
HORIZONTAL CONTROL:

SHEET TITLE: CROSS SECTION THRU POOL

PROJECT: RANCHO CIENEGA SPORTS COMPLEX

ADDRESS: 5001 RODEO ROAD
LOS ANGELES, CA 90016

WORK ORDER NO. E1907694
PLAN FILE NO.
DRAWING NO. A-313
SHEET OF SHEETS

BUREAU OF ENGINEERING OFFICIAL RECORD

PLOTTED: 12/22/2016 4:23:54 PM

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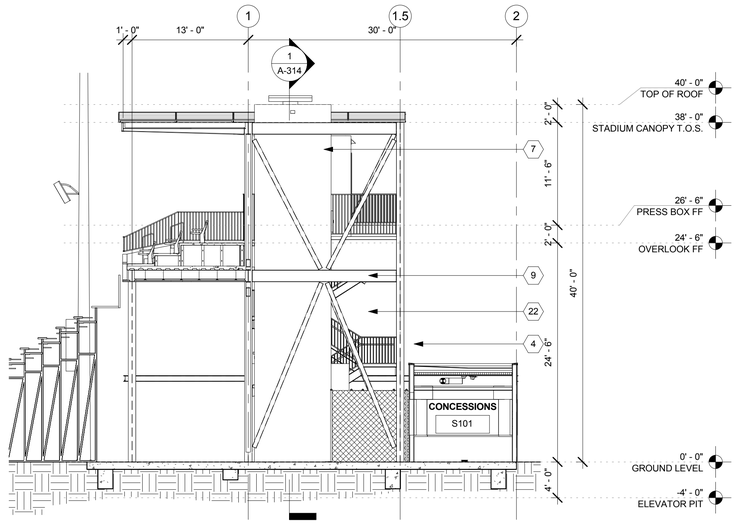
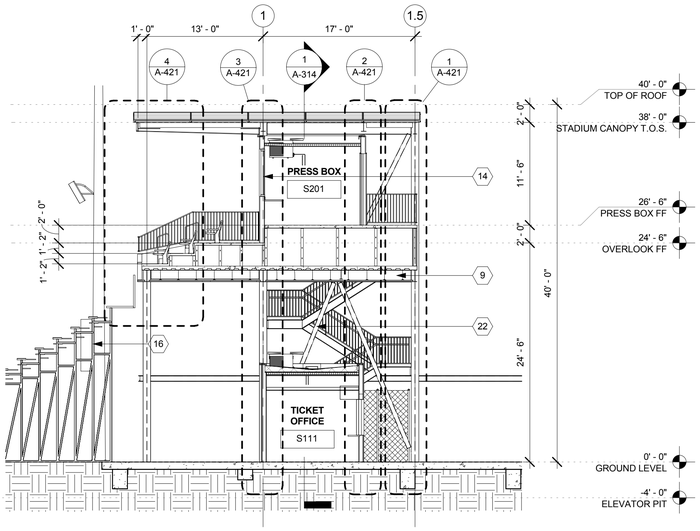
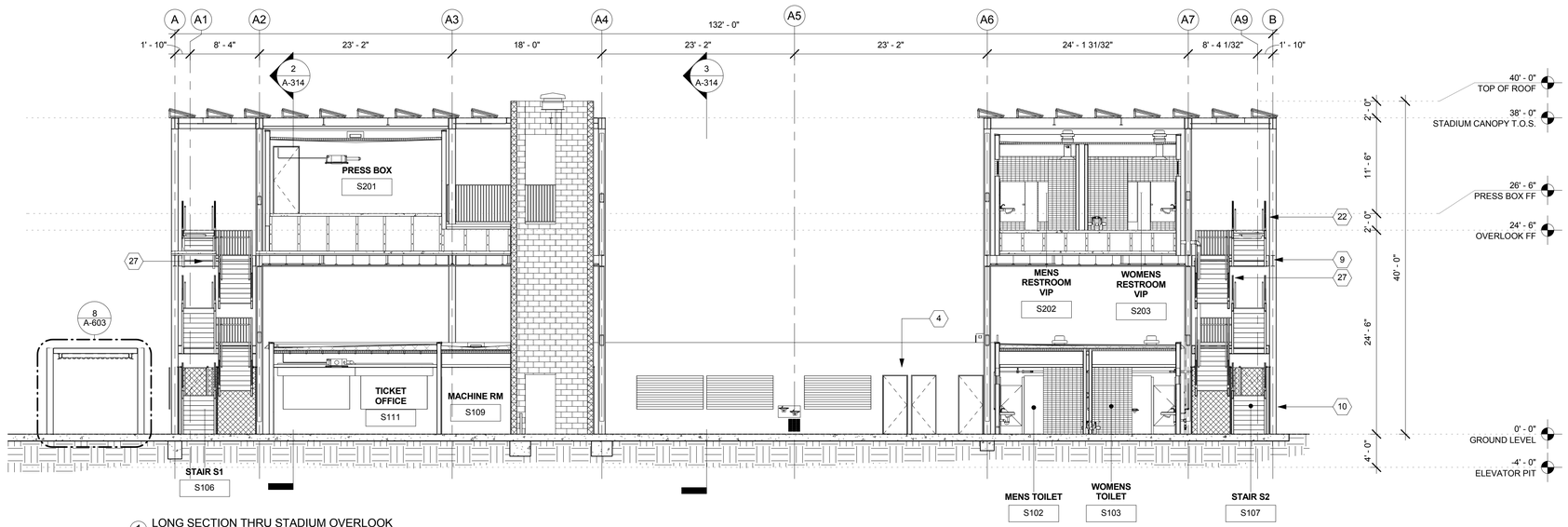


3 SECTION THRU STADIUM OVERLOOK
1/8" = 1'-0"



2 SECTION THRU STADIUM OVERLOOK
1/8" = 1'-0"



1 LONG SECTION THRU STADIUM OVERLOOK
1/8" = 1'-0"

GENERAL NOTES

1. KEYNOTES ARE SPECIFIC TO THE DRAWING SECTION IN WHICH THEY RESIDE.
2. ALL DIMENSIONS ARE TO FACE OF FINISH UNLESS OTHERWISE NOTED.
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6. PROVIDE ANTI-GRAFFITI COATING @ ALL EXTERIOR WALLS. AGC TO BE APPLIED TO TOP OF FIRST FLOOR WALLS. SEE SECTION 09 86 00
7. ALL EXPOSED STEEL (EXTERIOR AND INTERIOR) TO BE PAINTED W/ HIGH PERFORMANCE COATING.
8. SEE A-300 FOR PEMB DESIGN/BUILD SCOPE

SECTION KEYNOTES

1. PRE-ENGINEERED METAL BUILDING FRAME PER STRUCTURAL
2. STEEL FRAMING PER STRUCTURAL
3. CORRUGATED FOAMED INSULATION CORE METAL WALL PANEL
4. CORRUGATED METAL WALL PANEL
5. METAL ROOF PANEL WITH RIGID INSULATION BOARD CORE
6. FLOOR DECK PER STRUCTURAL
7. CEMENT MASONRY UNIT WALL
8. WOOD FRTW STUD WALL
9. BEAM PER STRUCTURAL
10. STOREFRONT GLAZING
11. HYDRAULIC SINGLE SWING DOOR
12. CONCRETE SLAB PER STRUCTURAL
13. FOOTING PER STRUCTURAL
14. WINDOW AS SCHEDULED
15. PLASTER WALL FINISH
16. BLEACHERS
17. BUILT IN SEATING
18. POOL SHELL PER POOL CONSULTANT
19. ROOF EQUIPMENT
20. PHOTOVOLTAIC PANELS
21. WALL PADS
22. METAL RAILING
23. SCOREBOARD
24. CEILING HUNG BASKETBALL HOOP
25. SOLAR TUBE
26. ACOUSTIC CEILING PANEL
27. METAL STAIR
28. SELF-HEALING BULLETIN BOARD MATERIAL
29. ALUM. REVEAL
30. METAL PANEL
31. ROOF LADDER ACCESS
32. GYM DIVIDER CURTAIN

BUREAU OF ENGINEERING
OFFICIAL RECORD

BID SET SUBMITTAL

CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS

VERTICAL CONTROL:
HORIZONTAL CONTROL:

SHEET TITLE: SECTIONS - STADIUM OVERLOOK

PROJECT: RANCHO CIENEGA SPORTS COMPLEX

ADDRESS: 5001 RODEO ROAD
LOS ANGELES, CA 90016

WORK ORDER NO.
E1907694

PLAN FILE NO.

DRAWING NO.
A-314

SHEET OF SHEETS

CITY OF LOS ANGELES
GARY LEE MOORE, PE, ENV SP CITY ENGINEER
DATE:
LIC. NO. C-19741

ARCHITECT: ZOLTAN E. PALI, FAIA
ARCHITECTURAL DIVISION

DESIGNED BY: ZEP
DRAWN BY: AOS
CHECKED BY: SM
APPROVED BY: MAHMOOD KARIMZADEH, A.I.A., PRINCIPAL ARCHITECT

BUREAU OF ENGINEERING
CITY OF LOS ANGELES
ENGINEERING

NO. REVISIONS: DATE: BY:

BUILDING NO.

INDEX NO. RP 300094

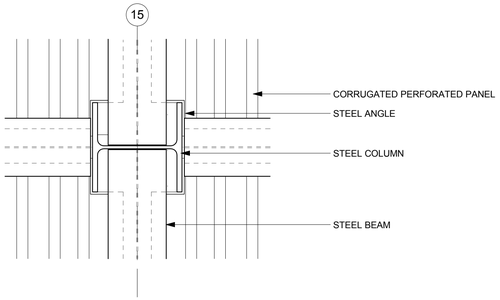
LICENSED ARCHITECT
ZOLTAN E. PALI
C-19741
5/31/2017
STATE OF CALIFORNIA

PLOTTED: 12/22/2016 4:24:06 PM

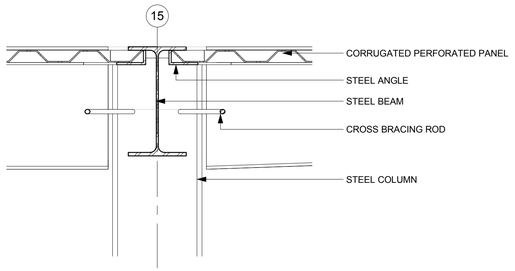
THE CITY OF LOS ANGELES OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF ELECTRONIC COPIES OF THIS PLAN SHEET.

REVISION DATES: (DESIGN STAGE ONLY)

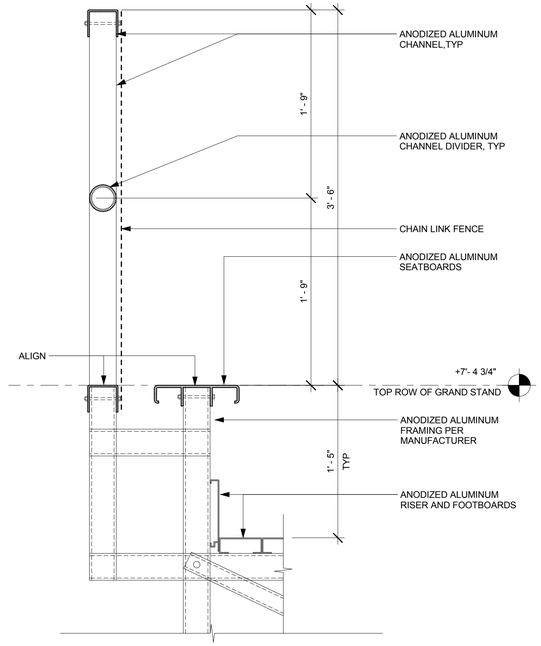
TEMPLATE SHEET REVISION DATE: 08/2014
REVISION DATE: 10/24/2016 5:30 PM FILE: Z:\14-018 RANCHO CIENEGA SPORTS COMPLEX\DRAWINGS\REVITLINKS.AUTOCADBIOE_TITLEBLOCK_CD_90PERCENT.DWG



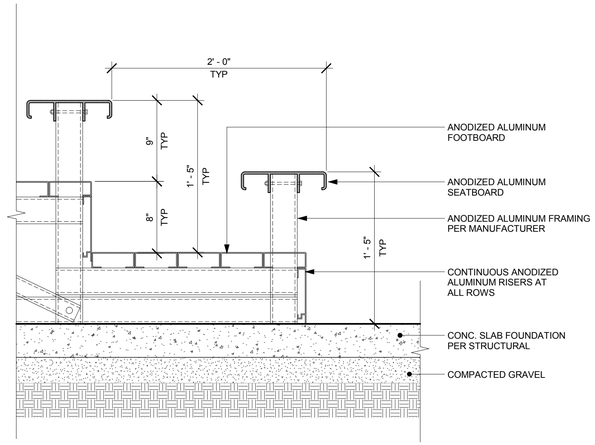
8 ROOF COLUMN DETAIL
1 1/2" = 1'-0"



7 ROOF DETAIL 2 @ TENNIS GRANDSTAND ROOF
1 1/2" = 1'-0"



4 GUARD RAIL SECTION DETAIL @ WEST ELEVATION - TENNIS GRANDSTAND
1 1/2" = 1'-0"



2 GROUND LEVEL PLAN - SECTION BENCH DETAIL - TENNIS GRANDSTAND
1 1/2" = 1'-0"

SECTION KEYNOTES

1. PRE-ENGINEERED METAL BUILDING FRAME PER STRUCTURAL
2. STEEL FRAMING PER STRUCTURAL
3. CORRUGATED FOAMED INSULATION CORE METAL WALL PANEL
4. CORRUGATED METAL WALL PANEL
5. METAL ROOF PANEL WITH RIGID INSULATION BOARD CORE
6. FLOOR DECK PER STRUCTURAL
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16. BLEACHERS
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21. WALL PADS
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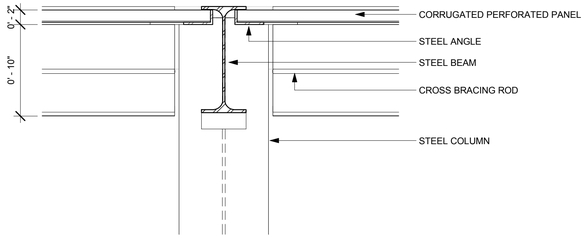
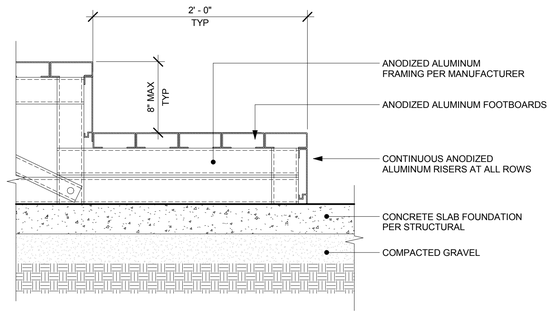
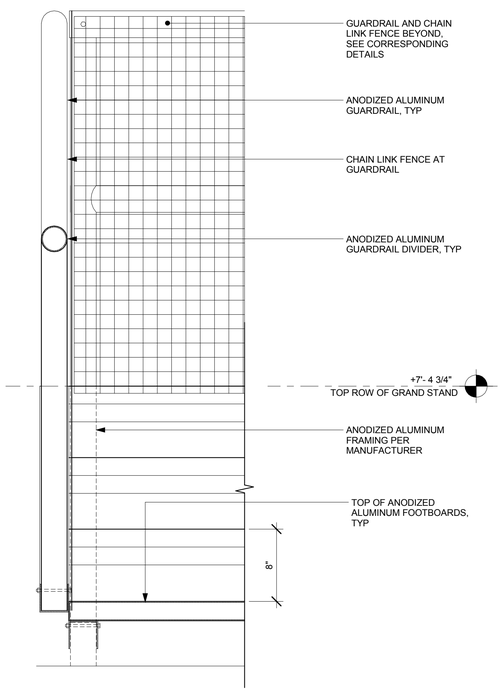
25. SOLAR TUBE
26. ACOUSTIC CEILING PANEL
27. METAL STAIR
28. SELF-HEALING BULLETIN BOARD MATERIAL
29. ALUM. REVEAL
30. METAL PANEL
31. ROOF LADDER ACCESS
32. GYM DIVIDER CURTAIN



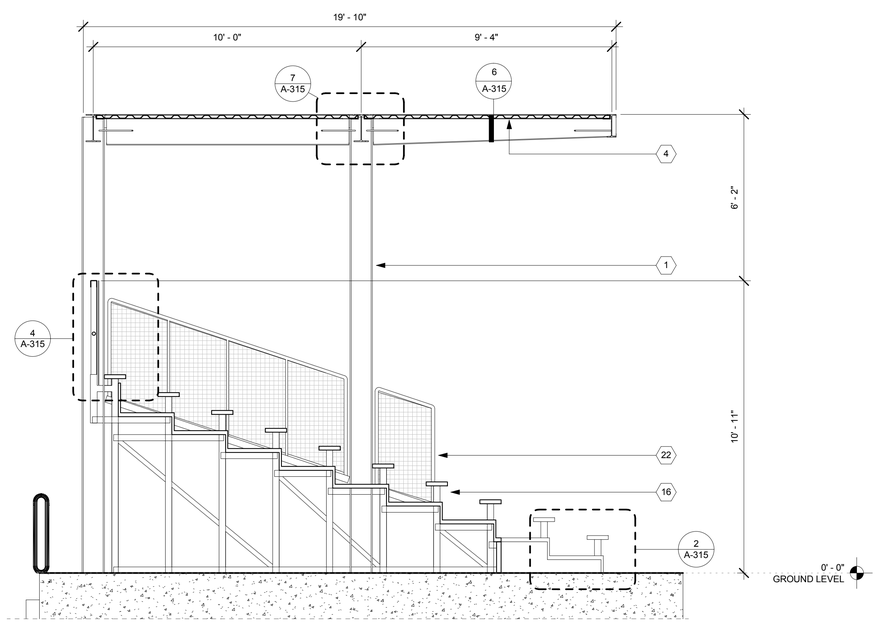
6 ROOF DETAIL 1 @ TENNIS GRANDSTAND ROOF
1 1/2" = 1'-0"



5 GROUND LEVEL PLAN - STEPS DETAIL - TENNIS GRANDSTAND
1 1/2" = 1'-0"

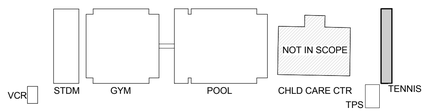


3 GUARD RAIL SECTION DETAIL @ SOUTH ELEVATION - TENNIS GRANDSTAND
1 1/2" = 1'-0"



1 SECTION THRU TENNIS GRANDSTAND - BLEACHERS
3/8" = 1'-0"

KEY PLAN



BUREAU OF ENGINEERING
OFFICIAL RECORD

BID SET SUBMITTAL

CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS
BUREAU OF ENGINEERING

CITY OF LOS ANGELES ENGINEERING

NO. REVISIONS: DATE: BY:

BUILDING NO.

INDEX NO. RP 300094

LICENSED ARCHITECT ZOLTAN E. PALI C-19741 5/31/2017 RENEWAL DATE STATE OF CALIFORNIA

GARY LEE MOORE, PE, ENV SP CITY ENGINEER
ARCHITECTURAL DIVISION
ARCHITECT: ZOLTAN E. PALI, FAIA LIC. NO. C-19741
DESIGNED BY: ZEP
DRAWN BY: AOS
CHECKED BY: SM
APPROVED BY: MAHMOOD KARIMZADEH, A.I.A., PRINCIPAL ARCHITECT
DATE:

CITY OF LOS ANGELES
VERTICAL CONTROL:
HORIZONTAL CONTROL:
SHEET TITLE: SECTIONS - TENNIS GRANDSTAND
PROJECT: RANCHO CIENEGA SPORTS COMPLEX
ADDRESS: 5001 RODEO ROAD LOS ANGELES, CA 90016

WORK ORDER NO. E1907694
PLAN FILE NO.
DRAWING NO. A-315
SHEET OF SHEETS

PLOTTED: 12/22/2016 4:24:11 PM

REVISION DATES (DESIGN STAGE ONLY)

TEMPLATE SHEET REVISION DATE: 08/2014
REVISION DATE: 10/24/2016 5:30 PM
FILE: Z:\14-018 RANCHO CIENEGA SPORTS COMPLEX\DRAWINGS\REVIT\LINKS-AUTOCAD\BOE_TITLEBLOCK_CD_90PERCENT.DWG

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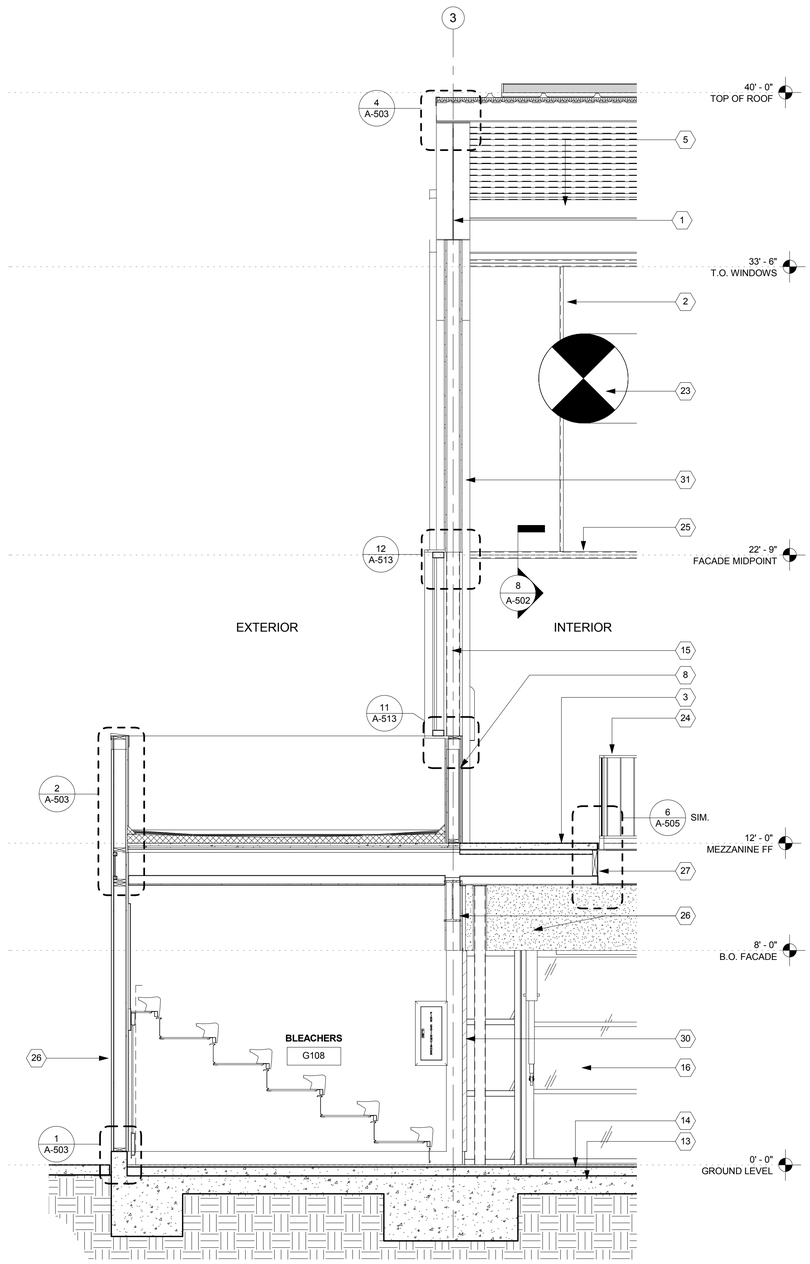
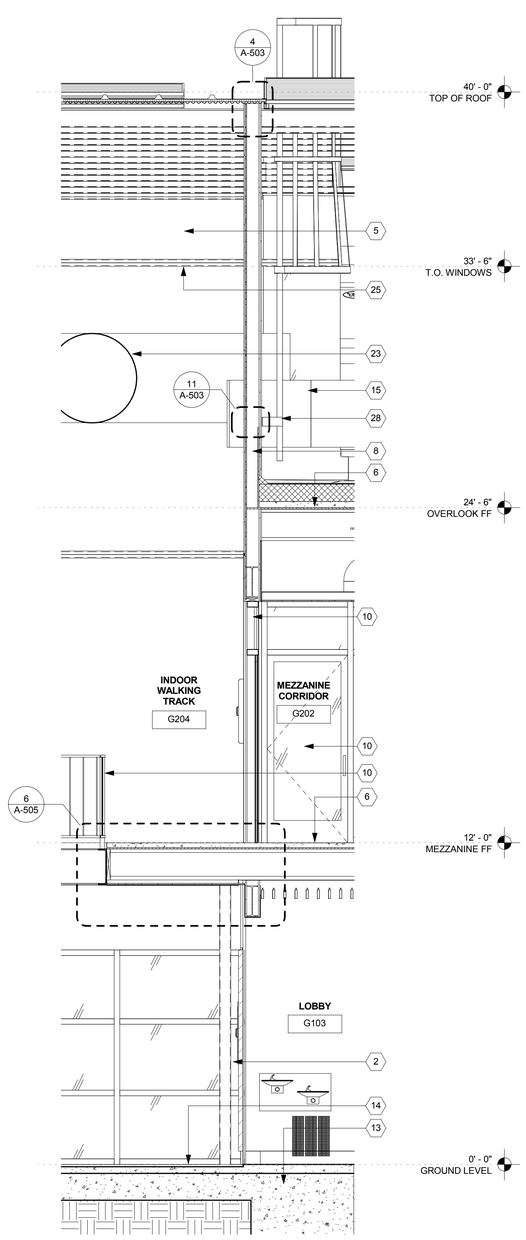
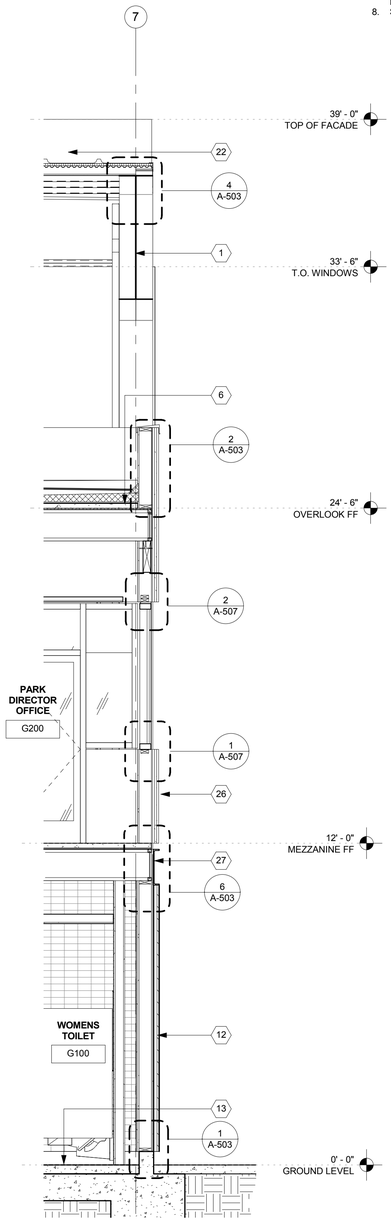
8. SEE A-300 FOR PEMB DESIGN/BUILD SCOPE



3 WEST WALL SECTION
3/8" = 1'-0"



2 EAST WALL SECTION - GYM INTERIOR
3/8" = 1'-0"



1 EAST WALL SECTION
3/8" = 1'-0"

SECTION KEYNOTES

1. PRE-ENGINEERED METAL BUILDING (PEMB) FRAME PER STRUCTURAL
2. STEEL FRAMING PER STRUCTURAL
3. CORRUGATED FOAMED INSULATION CORE METAL WALL PANEL
4. XXXXX
5. METAL ROOF PANEL WITH RIGID INSULATION BOARD CORE
6. DECK PER STRUCTURAL
7. CEMENT MASONRY UNIT WALL
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9. BEAM PER STRUCTURAL
10. STOREFRONT GLAZING
11. CURTAIN WALL
12. FIBER REINFORCE HYBRID MATERIAL CLADDING
13. CONCRETE SLAB PER STRUCTURAL
14. ATHLETIC FLOORING
15. WINDOW AS SCHEDULED
16. HYDRAULIC SINGLE SWING DOOR
17. DOOR AS SCHEDULED
18. BLEACHERS
19. BUILT IN SEATING
20. POOL SHELL PER POOL CONSULTANT
21. MECH. EQUIPMENT, SEE DWGS
22. PHOTOVOLTAIC PANELS
23. ALUMINUM BLADE CEILING
24. METAL RAILING
25. METAL WALL PANEL SUPPORT GIRT. SEE STRUCTURAL
26. EXTERIOR PLASTER FINISH
27. METAL CHANNEL
28. ROOF ACCESS LADDER
29. WALL PADS
30. XXXXX
31. TOPPING SLAB

BID SET SUBMITTAL

CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS

BUREAU OF ENGINEERING

ENGINEERING — CITY OF LOS ANGELES

NO.	REVISIONS:	DATE:	BY:

BUILDING NO.

INDEX NO. RP 300094

LICENSED ARCHITECT — ZOLTAN E. PALI — C-19741 — 5/31/2017 — STATE OF CALIFORNIA

CITY ENGINEER: GARY LEE MOORE, PE, ENV SP — DATE:
ARCHITECTURAL DIVISION — LIC. NO. C-19741
ARCHITECT: ZOLTAN E. PALI, FAIA
DESIGNED BY: ZEP
DRAWN BY: AOS
CHECKED BY: SM
APPROVED BY: MAHMOOD KARIMZADEH, A.I.A., PRINCIPAL ARCHITECT

CITY OF LOS ANGELES

VERTICAL CONTROL:
HORIZONTAL CONTROL:

SHEET TITLE: WALL SECTIONS - GYM

PROJECT: RANCHO CIENEGA SPORTS COMPLEX

ADDRESS: 5001 RODEO ROAD
LOS ANGELES, CA 90016

WORK ORDER NO. E1907694

PLAN FILE NO.

DRAWING NO. A-411

SHEET OF SHEETS

BUREAU OF ENGINEERING — OFFICIAL RECORD

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REVISION DATES (DESIGN STAGE ONLY)

TEMPLATE SHEET REVISION DATE: 08/2014
REVISION DATE: 10/24/2016 5:30 PM FILE: Z:\14-018 RANCHO CIENEGA SPORTS COMPLEX\DRAWINGS\REVITLINKS-AUTOCAD\BOE_TITLEBLOCK_CD_90PERCENT.DWG

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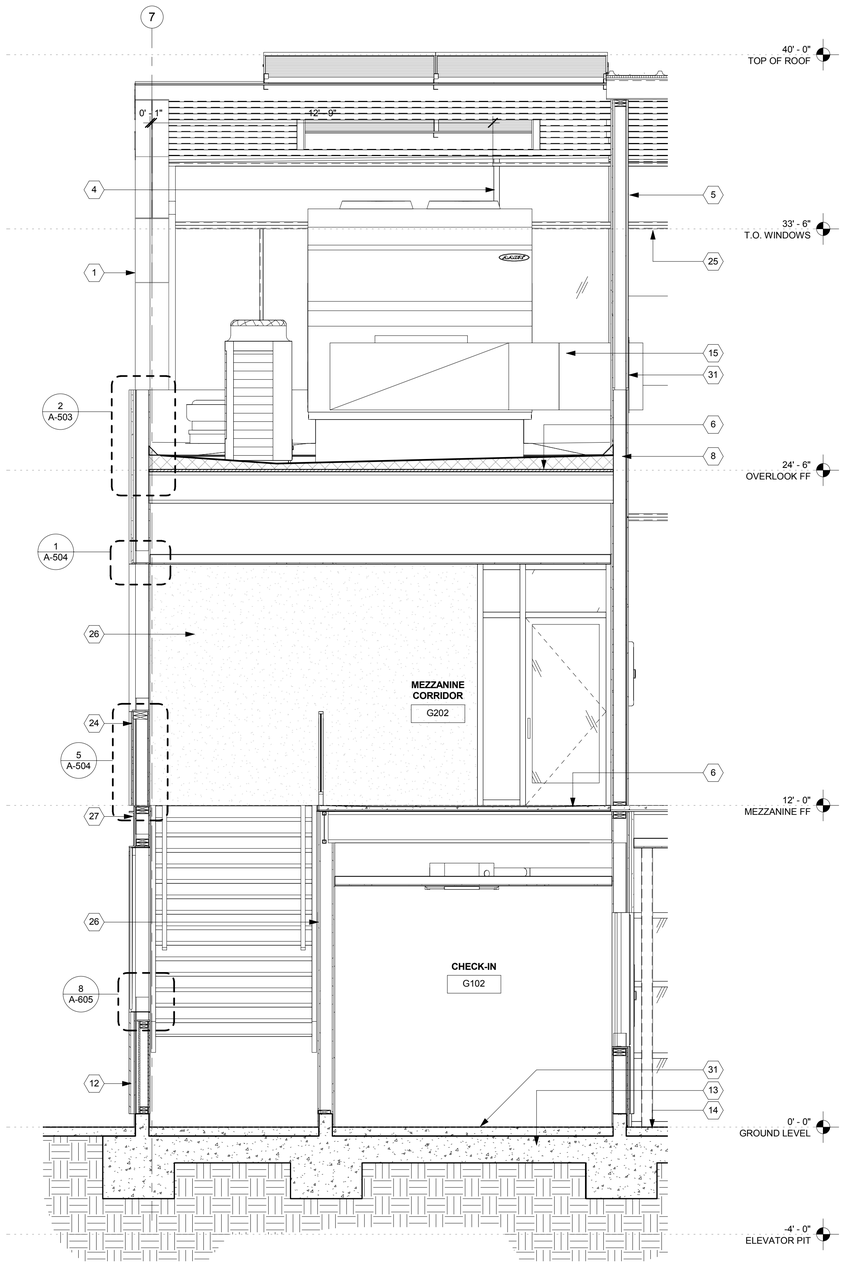
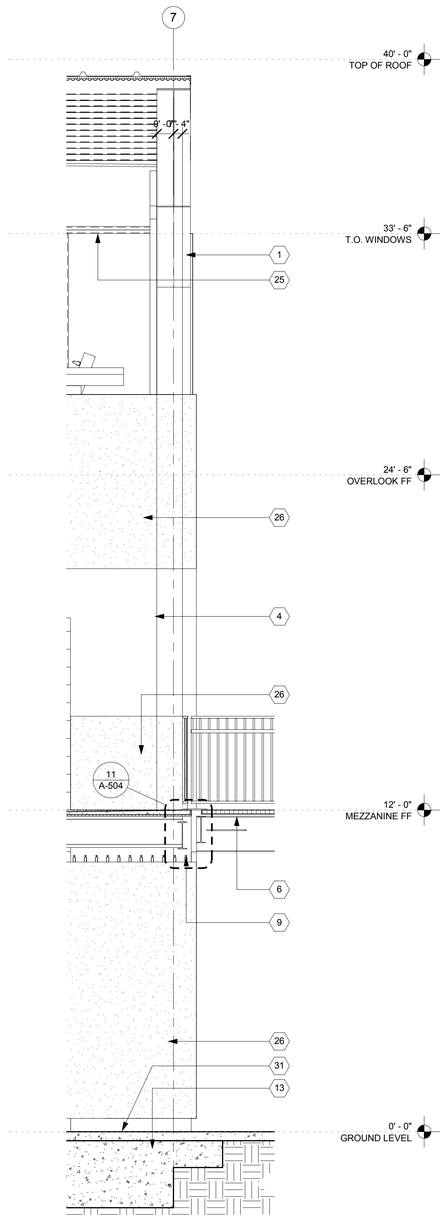
REVISION DATE: 10/24/2016 5:30 PM FILE: Z:\14-016 RANCHO CIENEGA SPORTS COMPLEX\DRAWINGS\REVITLINKS-AUTOCAD\BOE_TITLEBLOCK_CD_80PERCENT.DWG

REVISION DATES (DESIGN STAGE ONLY)



2 EAST WALL SECTION - GYM FOYER STAIR
3/8" = 1'-0"



1 EAST WALL SECTION - GYM PORTAL
3/8" = 1'-0"

GENERAL NOTES

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8. SEE A-300 FOR PEMB DESIGN/BUILD SCOPE

SECTION KEYNOTES

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20. POOL SHELL PER POOL CONSULTANT
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BUREAU OF ENGINEERING
OFFICIAL RECORD

BUREAU OF ENGINEERING
ENGINEERING
CITY OF LOS ANGELES

NO. REVISIONS: DATE: BY:

BUILDING NO.

INDEX NO. RP 300094

LICENSED ARCHITECT
ZOLTAN E. PALI
C-19741
5/31/2017
DATE
STATE OF CALIFORNIA

BID SET SUBMITTAL

CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS

GARY LEE MOORE, PE, ENV SP CITY ENGINEER DATE:
ARCHITECTURAL DIVISION LIC. NO. C-19741
ARCHITECT: ZOLTAN E. PALI, FAIA
DESIGNED BY: ZEP
DRAWN BY: AOS
CHECKED BY: SM
APPROVED BY: MAHMOOD KARIMZADEH, A.I.A., PRINCIPAL ARCHITECT

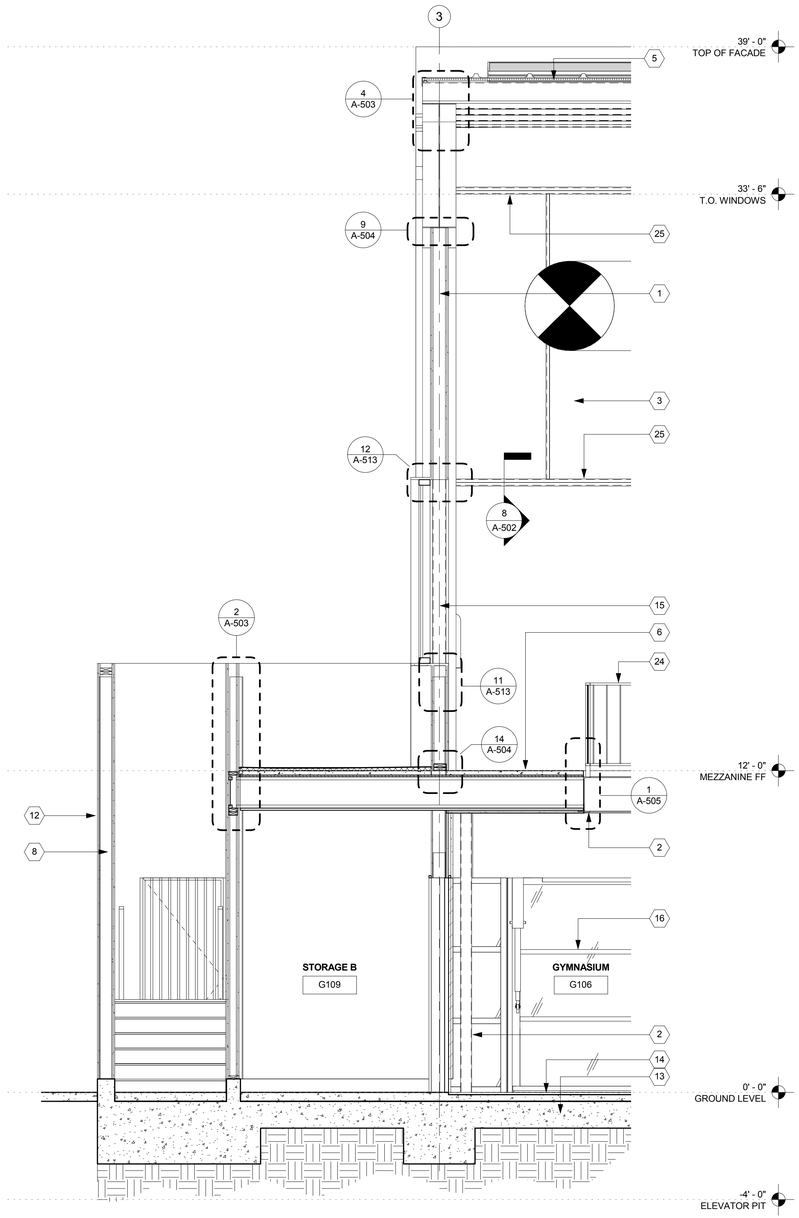
VERTICAL CONTROL:
HORIZONTAL CONTROL:

SHEET TITLE: WALL SECTIONS - GYM

PROJECT: RANCHO CIENEGA SPORTS COMPLEX
ADDRESS: 5001 RODEO ROAD
LOS ANGELES, CA 90016

WORK ORDER NO. E1907694
PLAN FILE NO.
DRAWING NO. A-412
SHEET OF SHEETS

PLOTTED: 12/22/2016 4:24:20 PM



2 WEST WALL SECTION - GYM EXIT STAIR
3/8" = 1'-0"

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27. METAL CHANNEL
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29. WALL PADS
30. XXXXX
31. TOPPING SLAB

BUREAU OF ENGINEERING
OFFICIAL RECORD

BID SET SUBMITTAL

CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS

BUREAU OF ENGINEERING

ENGINEERING
CITY OF LOS ANGELES

NO. REVISIONS: DATE: BY:

BUILDING NO.

INDEX NO. RP 300094

LICENSED ARCHITECT ZOLTAN E. PALI C-19741 5/31/2017 RENEWAL DATE STATE OF CALIFORNIA

CITY ENGINEER
DATE:

GARY LEE MOORE, PE, ENV SP
ARCHITECTURAL DIVISION
LIC. NO. C-19741

ARCHITECT: ZOLTAN E. PALI, FAIA
DESIGNED BY: ZEP
DRAWN BY: AOS
CHECKED BY: SM
APPROVED BY: MAHMOOD KARIMZADEH, A.I.A., PRINCIPAL ARCHITECT

VERTICAL CONTROL:
HORIZONTAL CONTROL:

SHEET TITLE: WALL SECTIONS - GYM

PROJECT: RANCHO CIENEGA SPORTS COMPLEX
ADDRESS: 5001 RODEO ROAD
LOS ANGELES, CA 90016

WORK ORDER NO. E1907694
PLAN FILE NO.
DRAWING NO. A-413
SHEET OF SHEETS

PLOTTED: 12/22/2016 4:24:22 PM

REVISION DATES (DESIGN STAGE ONLY)

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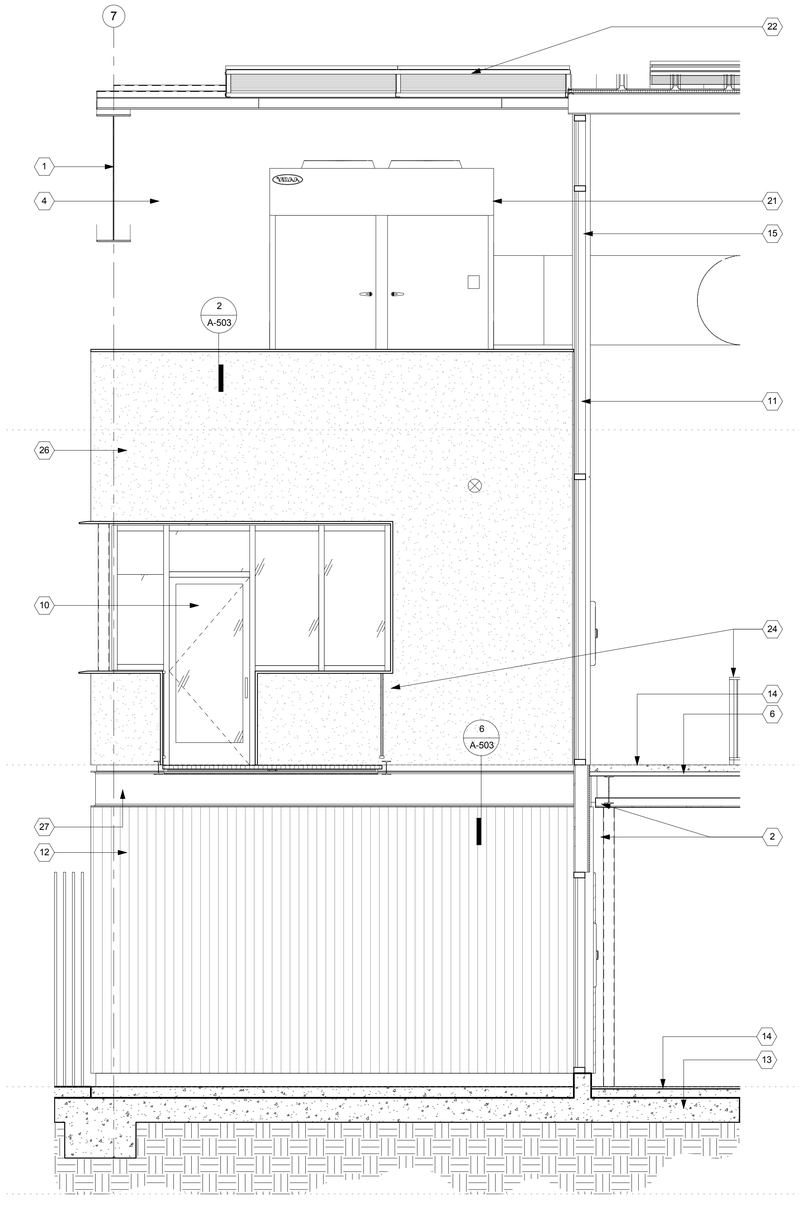
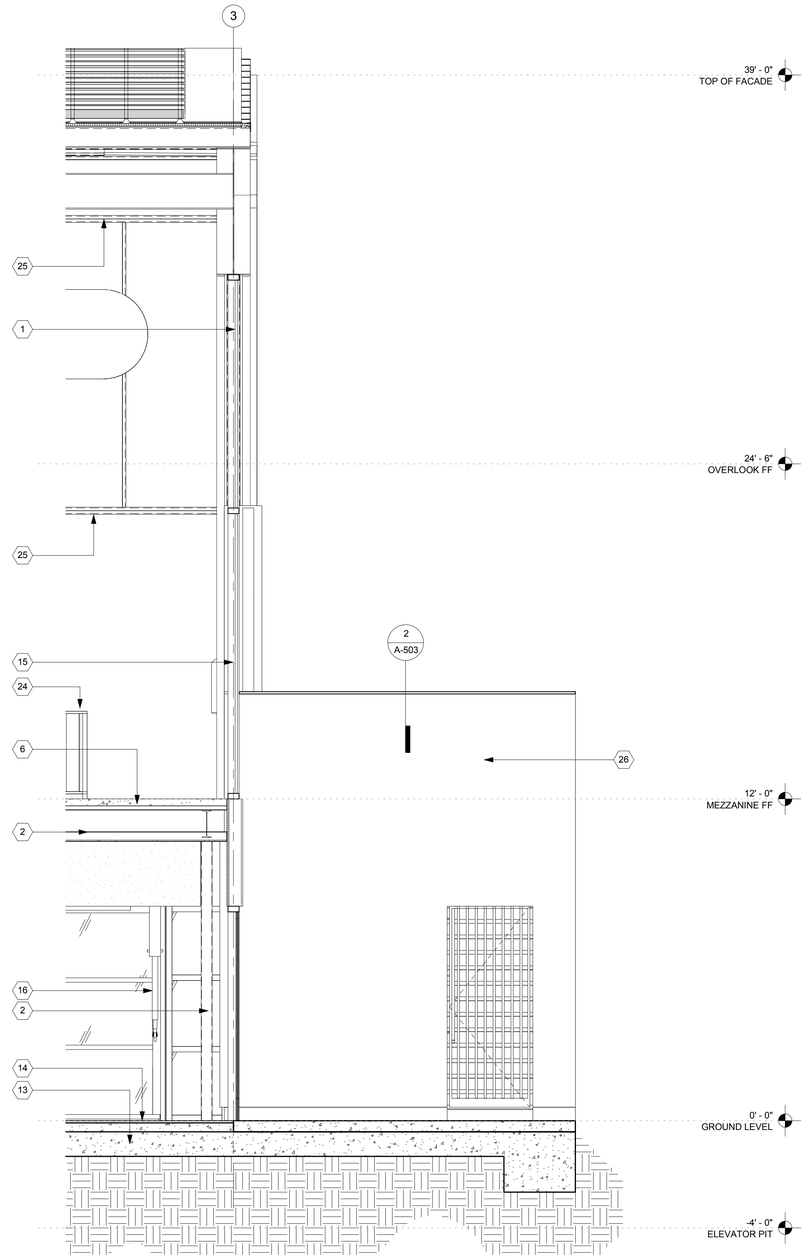


2 EAST WALL SECTION - GYM BUILDING END WALL
3/8" = 1'-0"



1 WEST WALL SECTION - GYM BUILDING END WALL
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INDEX NO. RP 300094

LICENSED ARCHITECT
JOHN E. PALI
C-19741
5/31/2017
DATE
STATE OF CALIFORNIA

BID SET SUBMITTAL

CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS

GARY LEE MOORE, PE, ENV SP CITY ENGINEER DATE:
ARCHITECTURAL DIVISION LIC. NO. C-19741
ARCHITECT: ZOLTAN E. PALI, FAIA
DESIGNED BY: ZEP
DRAWN BY: AOS
CHECKED BY: SM
APPROVED BY: MAHMOOD KARIMZADEH, A.I.A., PRINCIPAL ARCHITECT

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HORIZONTAL CONTROL:

SHEET TITLE: WALL SECTIONS - GYM

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ADDRESS: 5001 RODEO ROAD
LOS ANGELES, CA 90016

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PLAN FILE NO.
DRAWING NO. A-414
SHEET OF SHEETS

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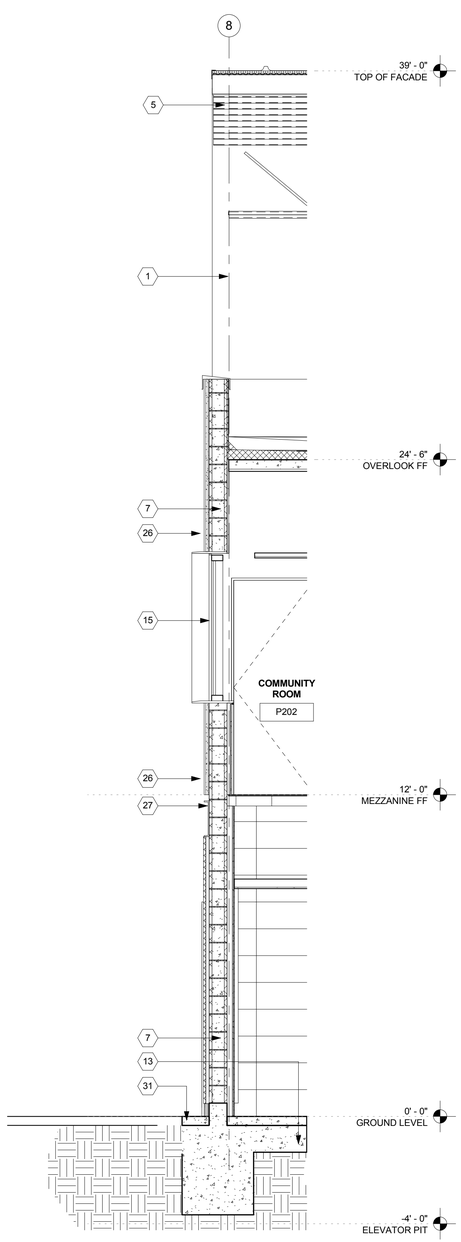
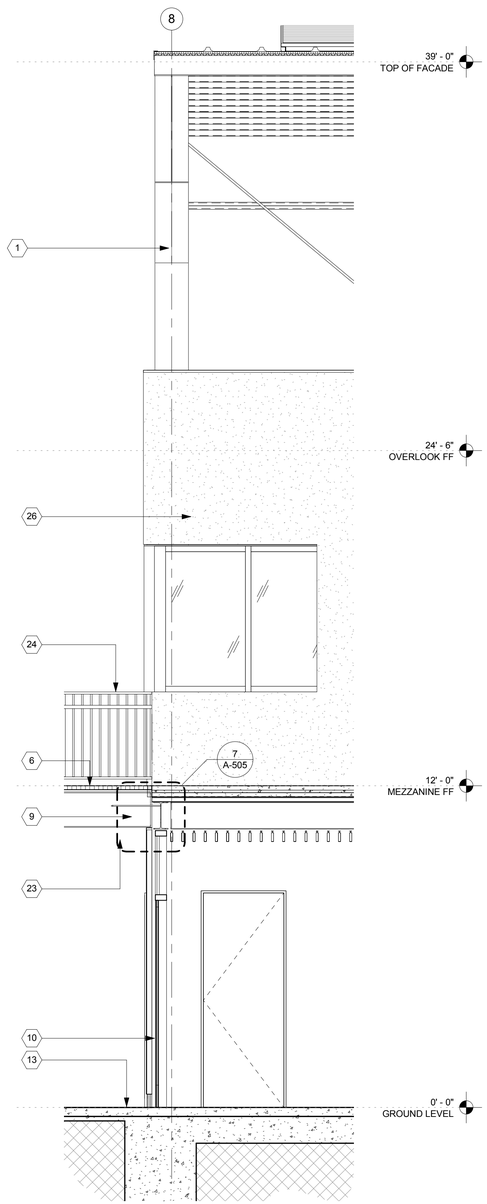
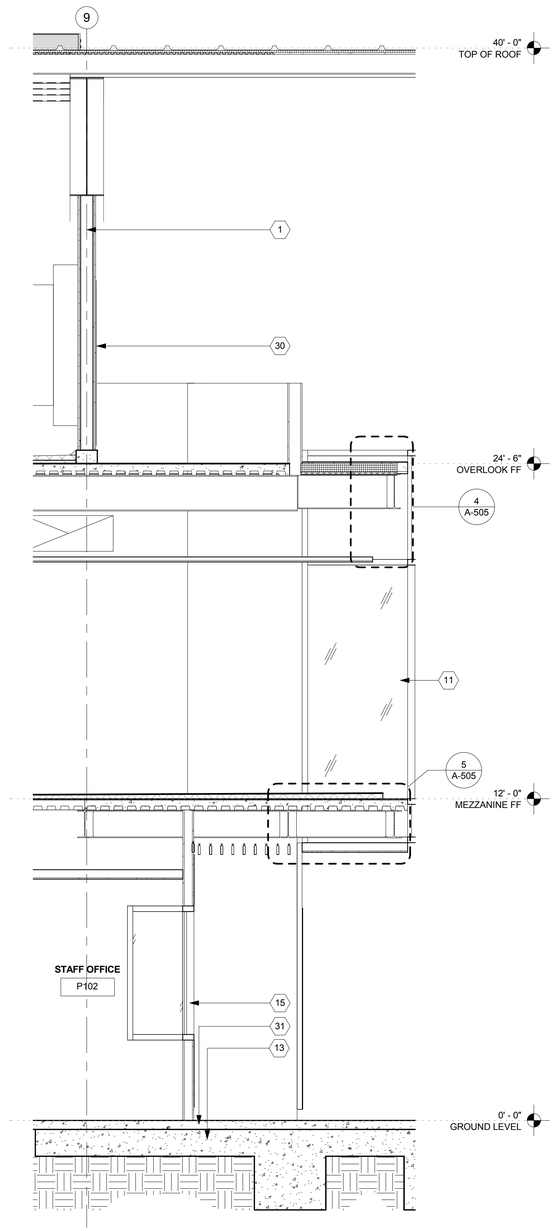


3 WEST WALL SECTION
3/8" = 1'-0"



2 WEST WALL SECTION - POOL PORTAL
3/8" = 1'-0"



1 WEST WALL SECTION - POOL INTERIOR
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BUREAU OF ENGINEERING
CITY OF LOS ANGELES

BUILDING NO.

INDEX NO. RP 300094

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LICENSED ARCHITECT
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C-19741
5/31/2017
RENEWAL DATE
STATE OF CALIFORNIA

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CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS

GARY LEE MOORE, PE, ENV SP CITY ENGINEER
ARCHITECTURAL DIVISION
ARCHITECT: ZOLTAN E. PALI, FAIA LIC. NO. C-19741 DATE:
DESIGNED BY: ZEP
DRAWN BY: AOS
CHECKED BY: SM
APPROVED BY: MAHMOOD KARIMZADEH, A.I.A., PRINCIPAL ARCHITECT

VERTICAL CONTROL:
HORIZONTAL CONTROL:

SHEET TITLE: WALL SECTIONS - POOL

PROJECT: RANCHO CIENEGA SPORTS COMPLEX
ADDRESS: 5001 RODEO ROAD
LOS ANGELES, CA 90016

WORK ORDER NO. E1907694
PLAN FILE NO.
DRAWING NO. A-415
SHEET OF SHEETS

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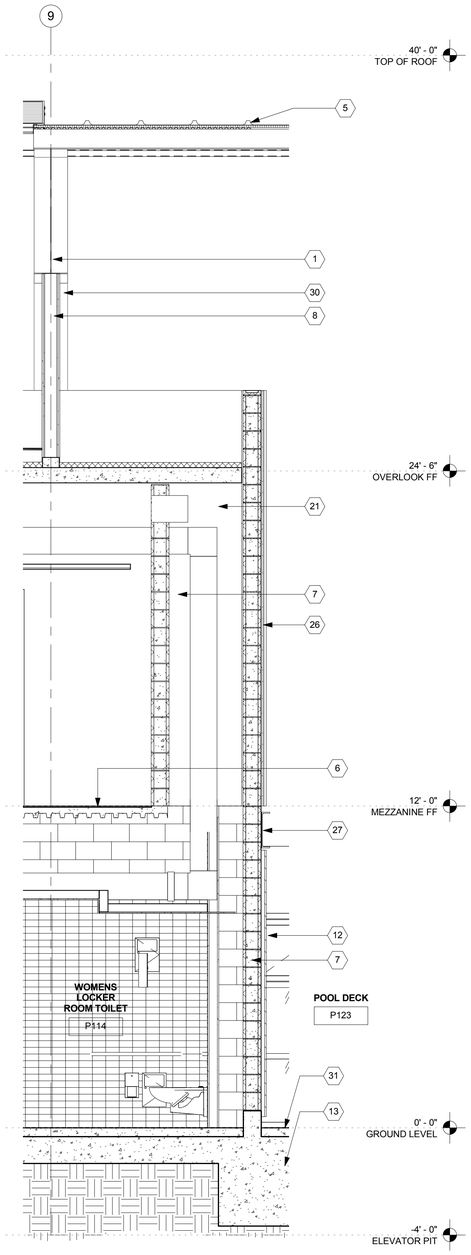
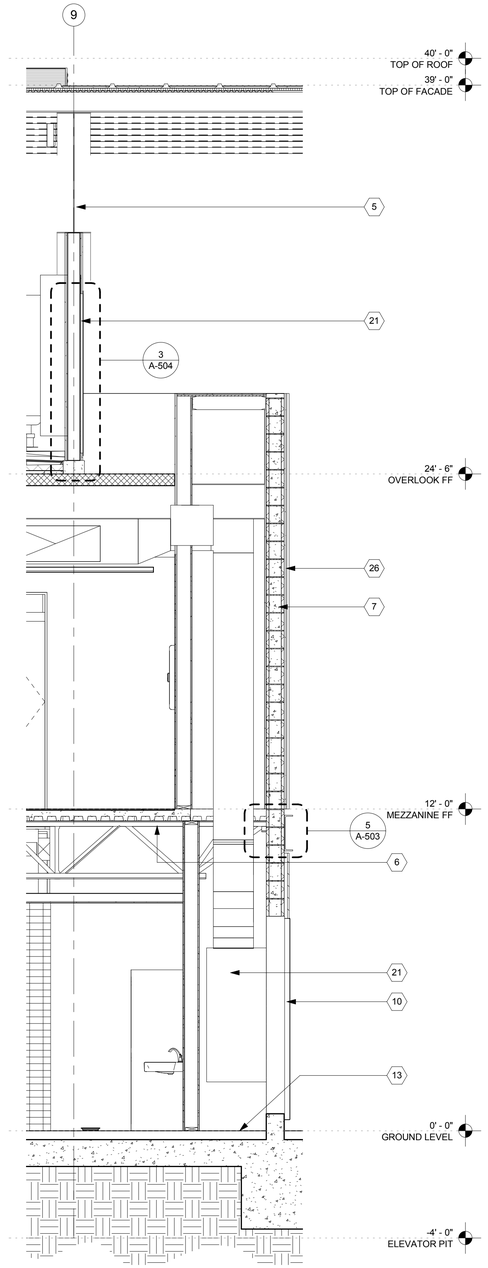


2 WEST WALL SECTION - POOL LOCKER ROOM
3/8" = 1'-0"



1 WEST WALL SECTION - POOL SHAFT
3/8" = 1'-0"

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BUREAU OF ENGINEERING
CITY OF LOS ANGELES

BUREAU OF ENGINEERING

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INDEX NO. RP 300094

LICENSED ARCHITECT JOHN E. PALI C-19741 5/31/2017 RENEWAL DATE STATE OF CALIFORNIA

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CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS

GARY LEE MOORE, PE, ENV SP CITY ENGINEER DATE:

ARCHITECTURAL DIVISION LIC. NO. C-19741

ARCHITECT: ZOLTAN E. PALI, FAIA
DESIGNED BY: ZEP
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VERTICAL CONTROL:
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SHEET TITLE: WALL SECTIONS - POOL

PROJECT: RANCHO CIENEGA SPORTS COMPLEX

ADDRESS: 5001 RODEO ROAD
LOS ANGELES, CA 90016

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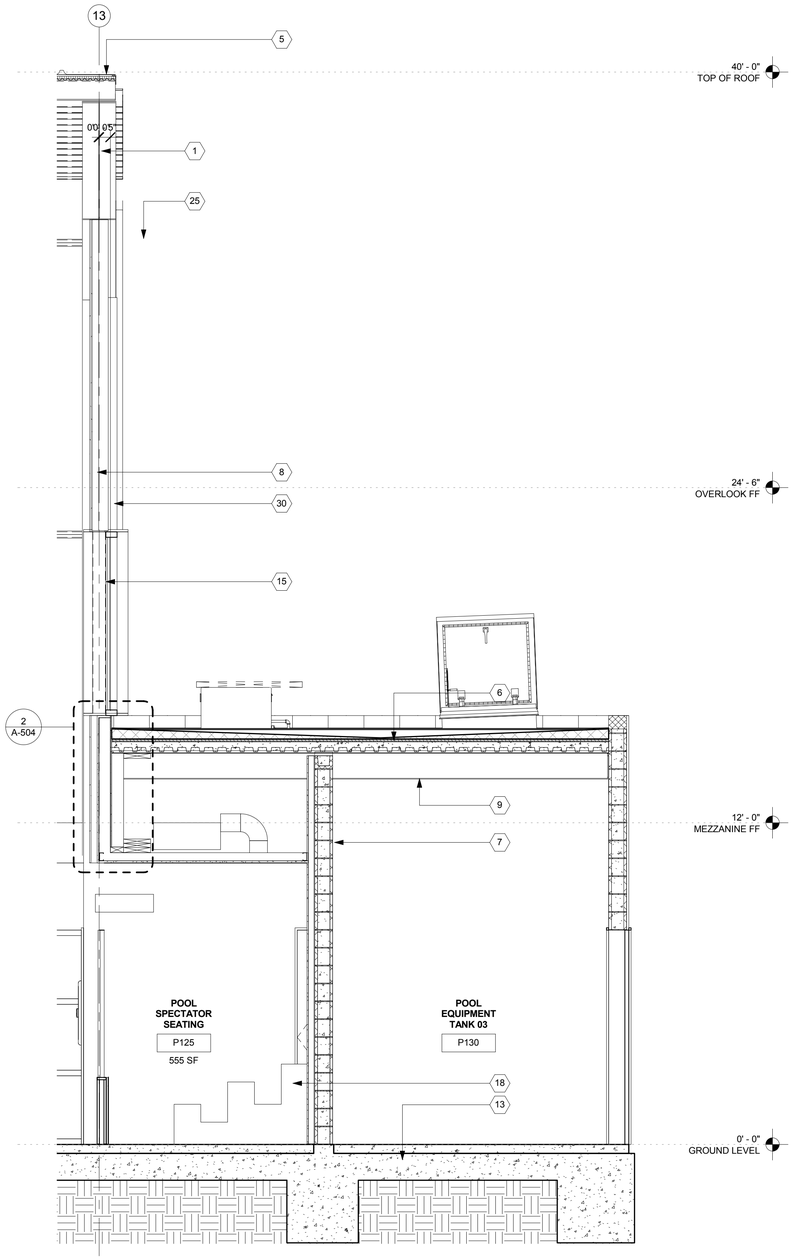
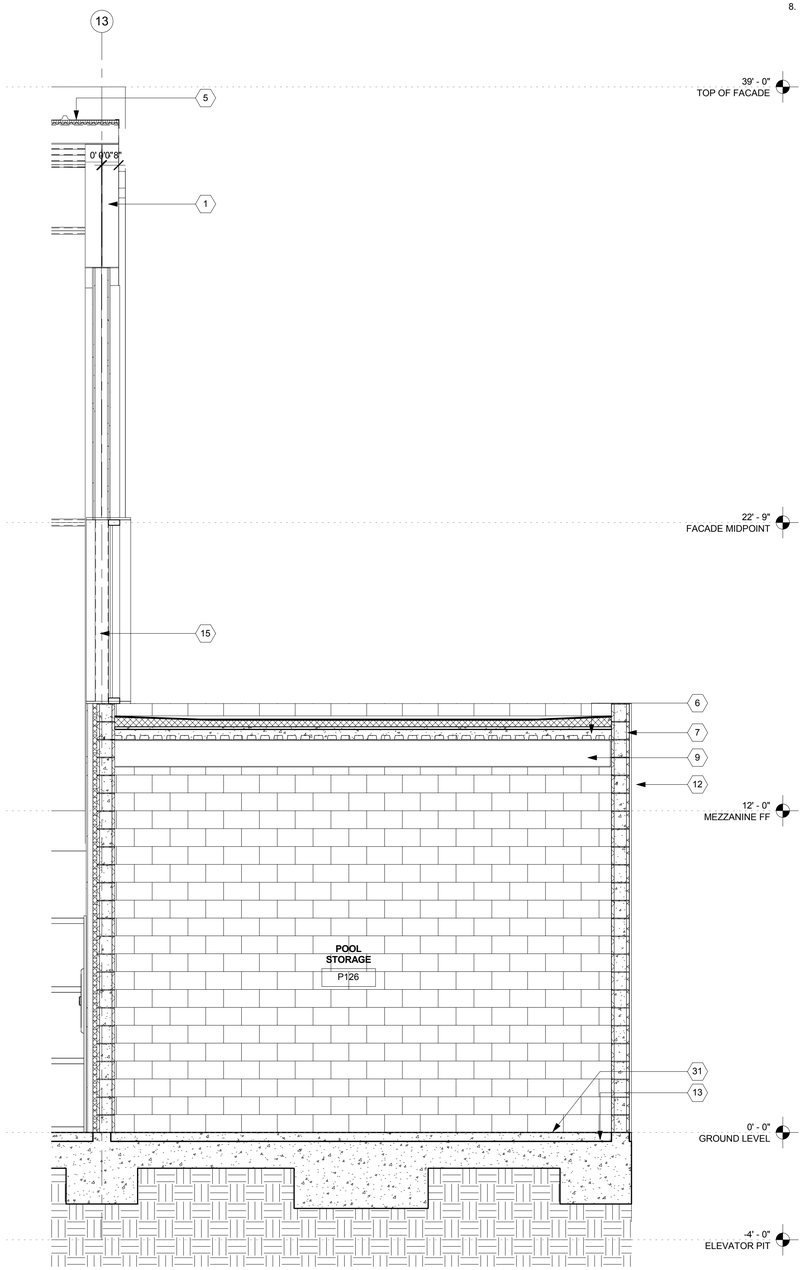


2 EAST WALL SECTION - POOL SPECTATOR SEATING
3/8" = 1'-0"



1 EAST WALL SECTION - POOL EQUIPMENT ROOM
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C-19741
5/31/2017
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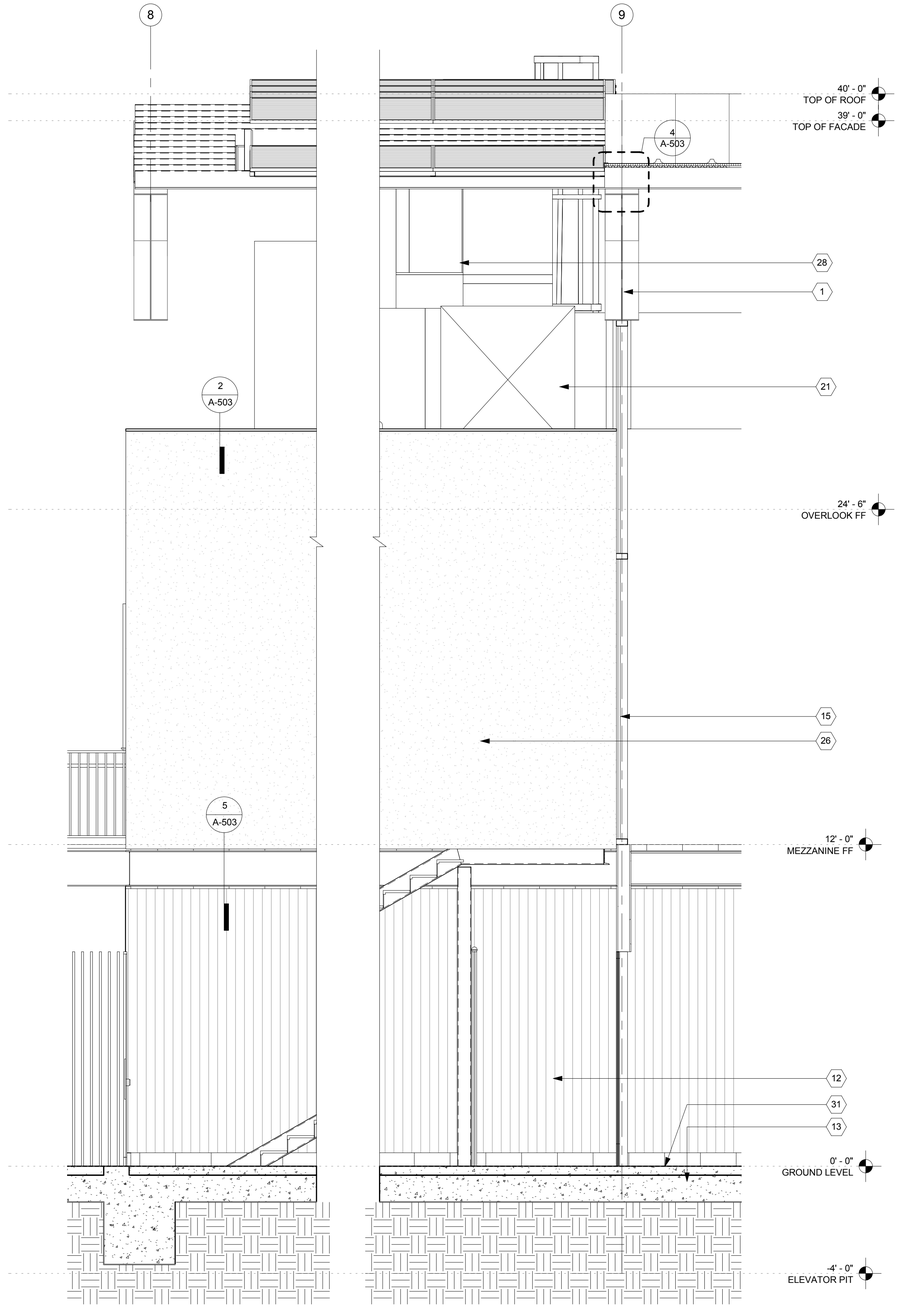

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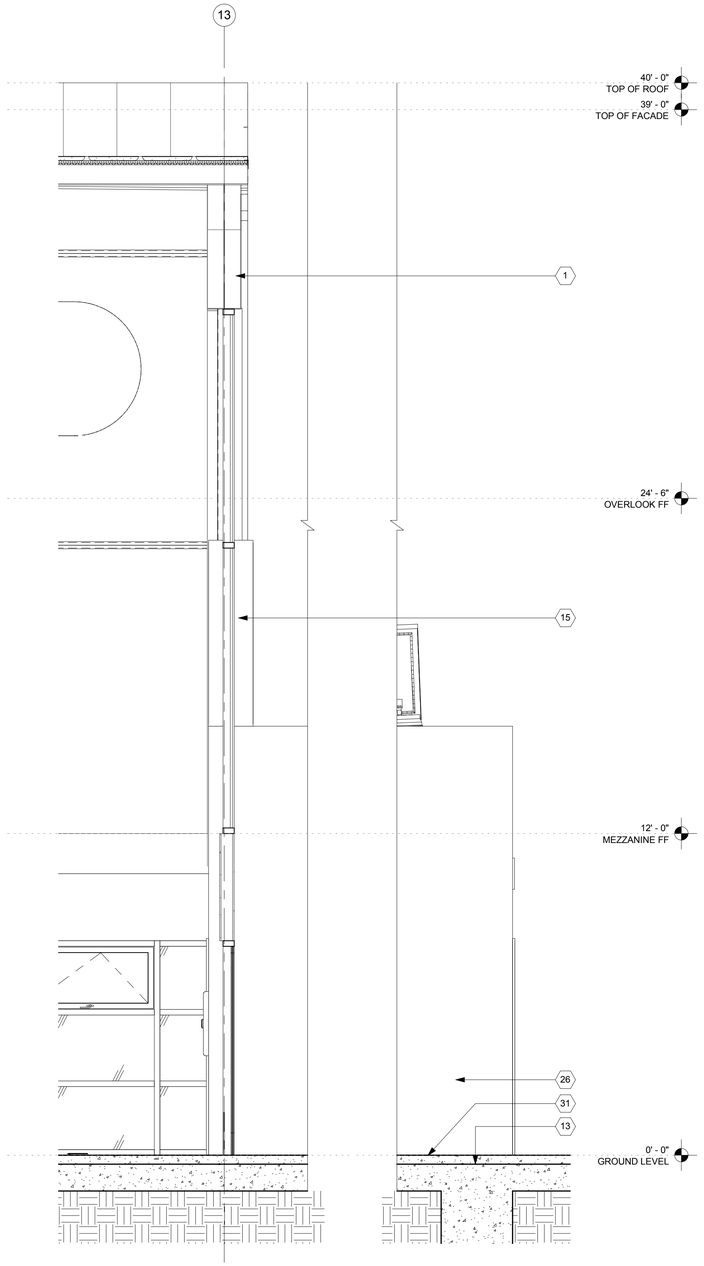
3/8" = 1'-0"



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BUREAU OF ENGINEERING

ENGINEERING — CITY OF LOS ANGELES

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BUILDING NO.

INDEX NO. RP 300094

LICENSED ARCHITECT — JOHN E. PALI — C-19741 — 5/31/2017 — RENEWAL DATE — STATE OF CALIFORNIA

GARY LEE MOORE, PE, ENV SP — CITY ENGINEER — DATE:
ARCHITECTURAL DIVISION
ARCHITECT: ZOLTAN E. PALI, FAIA — LIC. NO. C-19741
DESIGNED BY: ZEP
DRAWN BY: AOS
CHECKED BY: SM
APPROVED BY: MAHMOOD KARIMZADEH, A.I.A., PRINCIPAL ARCHITECT

VERTICAL CONTROL:
HORIZONTAL CONTROL:

SHEET TITLE: WALL SECTIONS - POOL

PROJECT: RANCHO CIENEGA SPORTS COMPLEX

ADDRESS: 5001 RODEO ROAD
LOS ANGELES, CA 90016

WORK ORDER NO. E1907694

PLAN FILE NO.

DRAWING NO. A-418

SHEET OF SHEETS

PLOTTED: 12/22/2016 4:24:39 PM

REVISION DATES (DESIGN STAGE ONLY)

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REVISION DATE: 10/24/2016 5:30 PM
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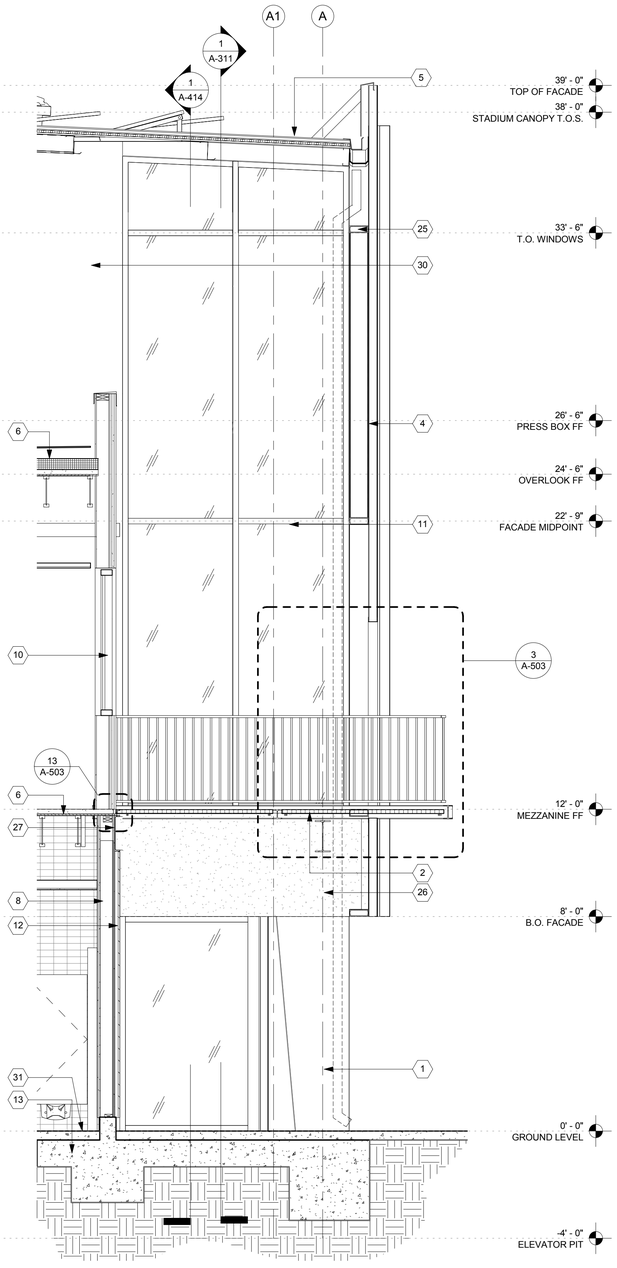
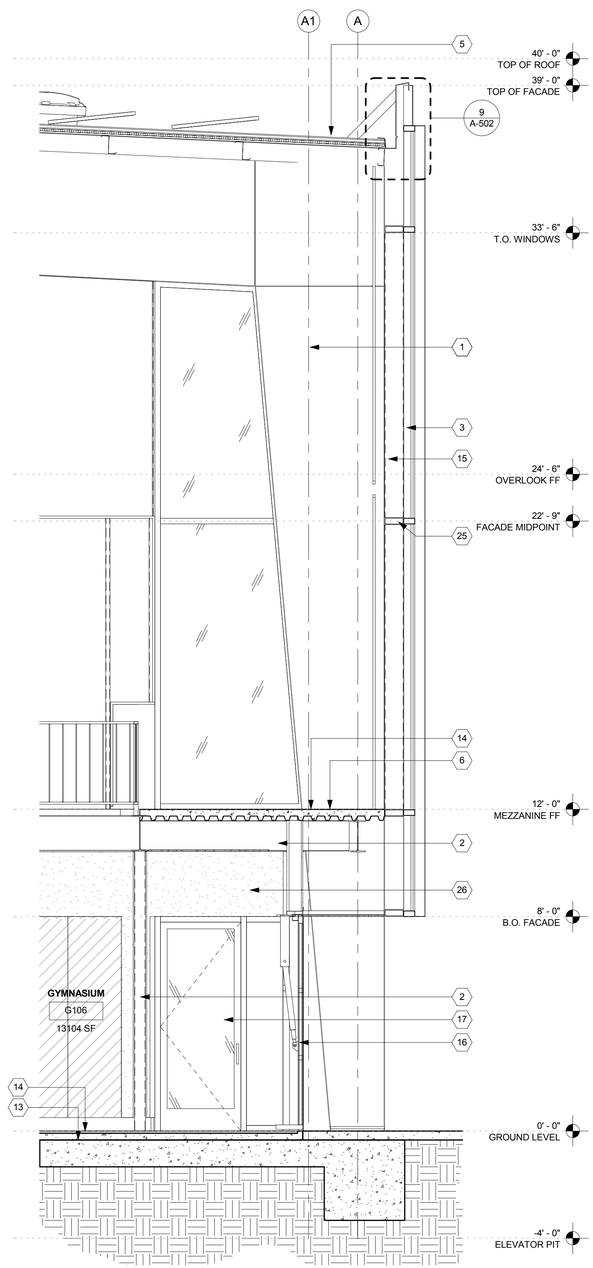
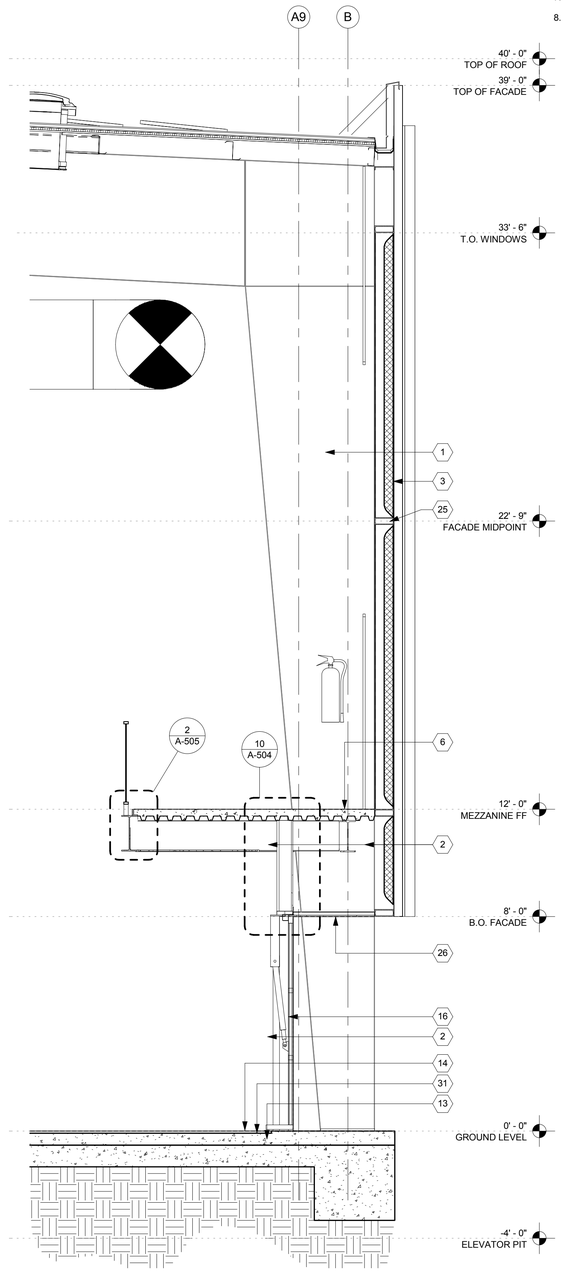


3 WALL SECTION - THRU PARK DIRECTOR BALCONY AT FRAME
3/8" = 1'-0"



2 WALL SECTION - THRU WINDOW AT FRAME
3/8" = 1'-0"



1 WALL SECTION - THRU METAL PANEL AT FRAME
3/8" = 1'-0"

GENERAL NOTES

1. KEYNOTES ARE SPECIFIC TO THE DRAWING SECTION IN WHICH THEY RESIDE.
2. ALL DIMENSIONS ARE TO FACE OF FINISH UNLESS OTHERWISE NOTED.
3. DO NOT SCALE FROM DRAWINGS. ANY INCONSISTENCIES OR UNFORESEEN CONDITIONS TO BE REVIEWERED BY THE ARCHITECT PRIOR TO PROCEEDING WITH CONSTRUCTION.
4. GRID REFERENCES AND DIMENSIONS ARE INDICATED FOR REFERENCE ONLY
5. SEE SHEET A-920/A-921/A-922/A-923 FOR WINDOW SCHEDULE.
6. PROVIDE ANTI-GRAFFITI COATING @ ALL EXTERIOR WALLS. AGC TO BE APPLIED TO TOP OF FIRST FLOOR WALLS. SEE SECTION 09 86 00
7. ALL EXPOSED STEEL (EXTERIOR AND INTERIOR) TO BE PAINTED W/ HIGH PERFORMANCE COATING.
8. SEE A-300 FOR PEMB DESIGN/BUILD SCOPE

SECTION KEYNOTES

1. PRE-ENGINEERED METAL BUILDING (PEMB) FRAME PER STRUCTURAL
2. STEEL FRAMING PER STRUCTURAL
3. CORRUGATED FOAMED INSULATION CORE METAL WALL PANEL
4. XXXXX
5. METAL ROOF PANEL WITH RIGID INSULATION BOARD CORE
6. DECK PER STRUCTURAL
7. CEMENT MASONRY UNIT WALL
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26. EXTERIOR PLASTER FINISH
27. METAL CHANNEL
28. ROOF ACCESS LADDER
29. WALL PADS
30. XXXXX
31. TOPPING SLAB

BUREAU OF ENGINEERING
ENGINEERING
CITY OF LOS ANGELES

NO. REVISIONS: DATE: BY:

BUILDING NO.

INDEX NO. RP 300094

LICENSED ARCHITECT
ZOLTAN E. PALI
C-19741
5/31/2017
STATE OF CALIFORNIA

BID SET SUBMITTAL

CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS

GARY LEE MOORE, PE, ENV SP CITY ENGINEER DATE:

ARCHITECTURAL DIVISION

ARCHITECT: ZOLTAN E. PALI, FAIA LIC. NO. C-19741

DESIGNED BY: ZEP
DRAWN BY: AOS
CHECKED BY: SM
APPROVED BY: MAHMOOD KARIMZADEH, A.I.A., PRINCIPAL ARCHITECT

VERTICAL CONTROL:
HORIZONTAL CONTROL:

SHEET TITLE: WALL SECTIONS - FRAME

PROJECT: RANCHO CIENEGA SPORTS COMPLEX
ADDRESS: 5001 RODEO ROAD
LOS ANGELES, CA 90016

BUREAU OF ENGINEERING
OFFICIAL RECORD

WORK ORDER NO. E1907694
PLAN FILE NO.
DRAWING NO. A-419
SHEET OF SHEETS

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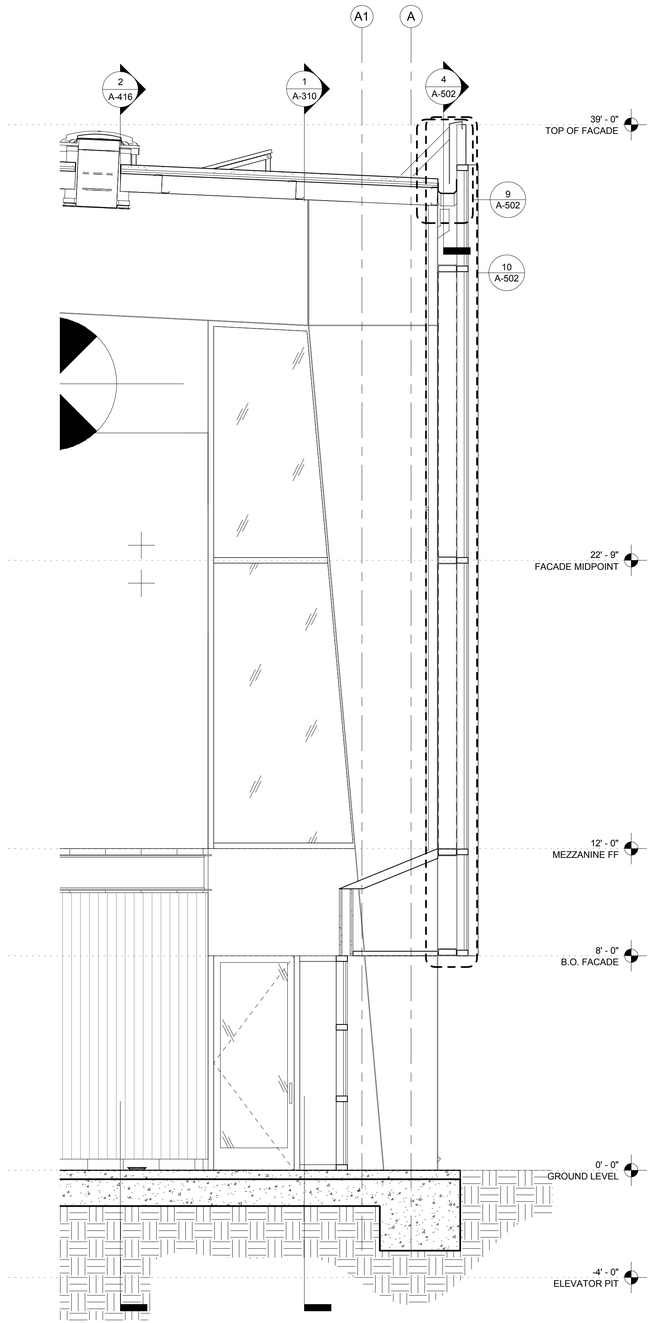
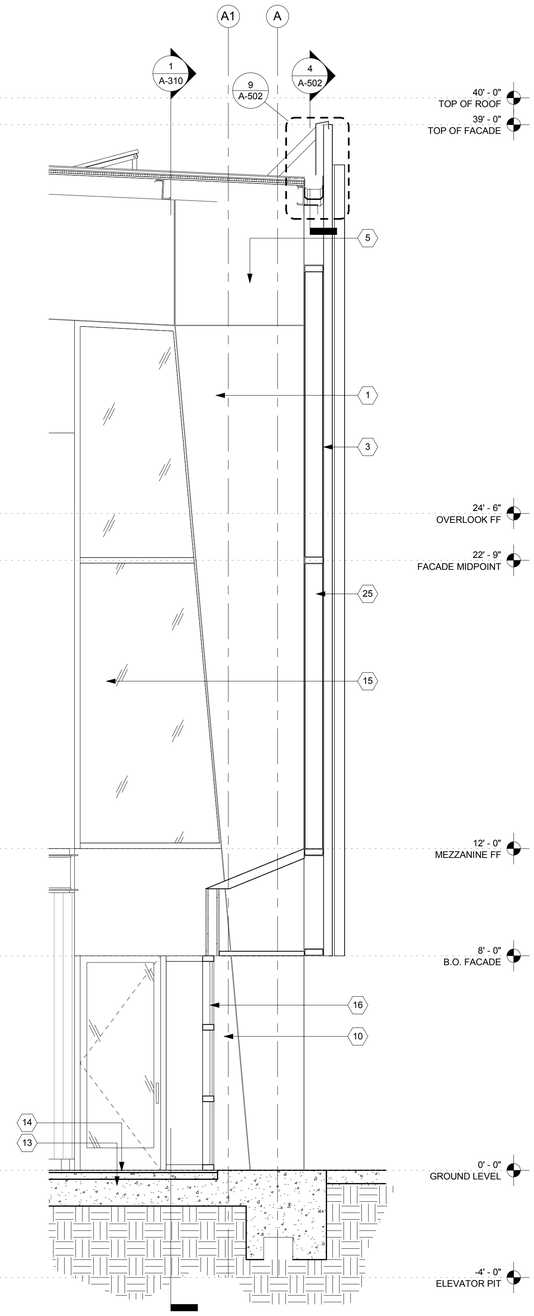


2 WALL SECTION - THRU
3/8" = 1'-0"



1 WALL SECTION - THRU STOREFRONT AT FRAME
3/8" = 1'-0"

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BUREAU OF ENGINEERING
CITY OF LOS ANGELES

BUREAU OF ENGINEERING

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INDEX NO. RP 300094

LICENSED ARCHITECT
JOHN E. PALI
C-19741
5/31/2017
RENEWAL DATE
STATE OF CALIFORNIA

BID SET SUBMITTAL

CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS

VERTICAL CONTROL:
HORIZONTAL CONTROL:

SHEET TITLE: WALL SECTIONS - FRAME

PROJECT: RANCHO CIENEGA SPORTS COMPLEX

ADDRESS: 5001 RODEO ROAD
LOS ANGELES, CA 90016

GARY LEE MOORE, PE, ENV SP CITY ENGINEER
DATE:
ARCHITECTURAL DIVISION
ARCHITECT: ZOLTAN E. PALI, FAIA LIC. NO. C-19741
DESIGNED BY: ZEP
DRAWN BY: AOS
CHECKED BY: SM
APPROVED BY: MAHMOOD KARIMZADEH, A.I.A., PRINCIPAL ARCHITECT

BUREAU OF ENGINEERING
OFFICIAL RECORD

WORK ORDER NO.
E1907694

PLAN FILE NO.

DRAWING NO.
A-420

SHEET OF SHEETS

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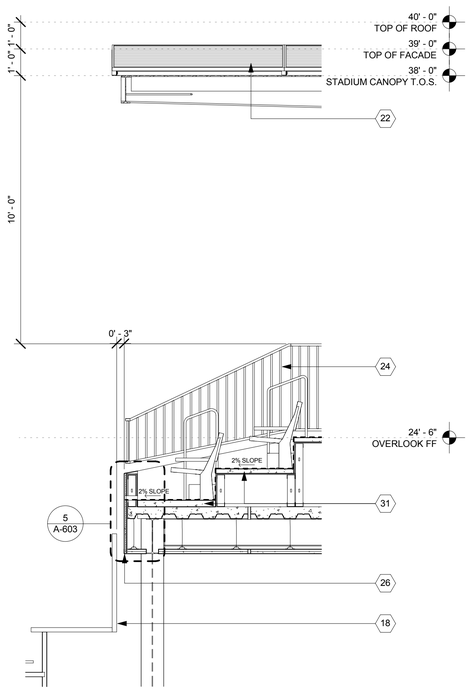
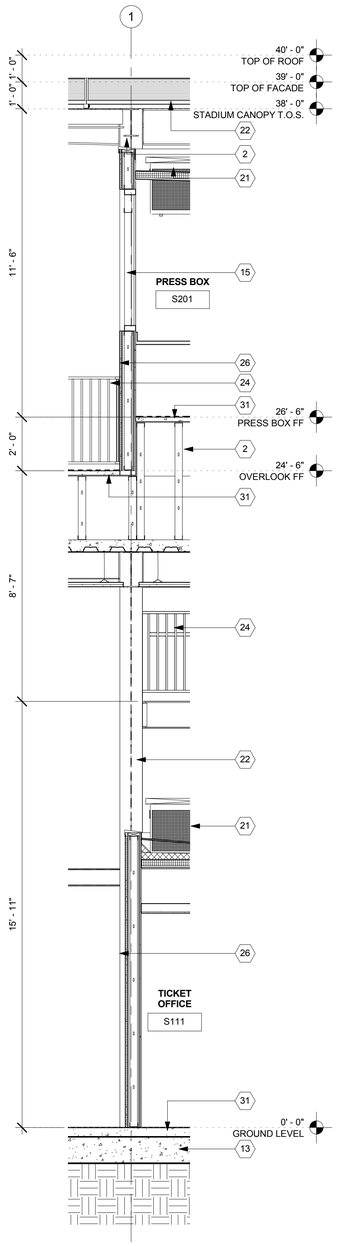
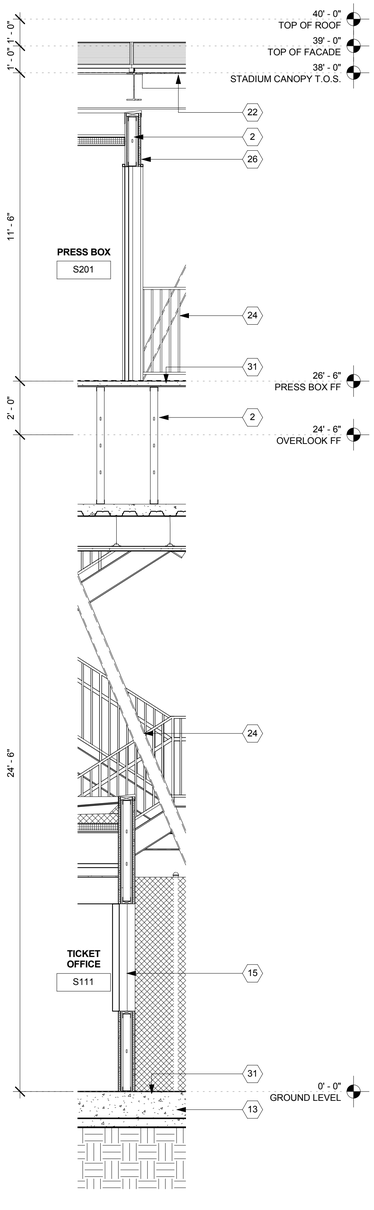


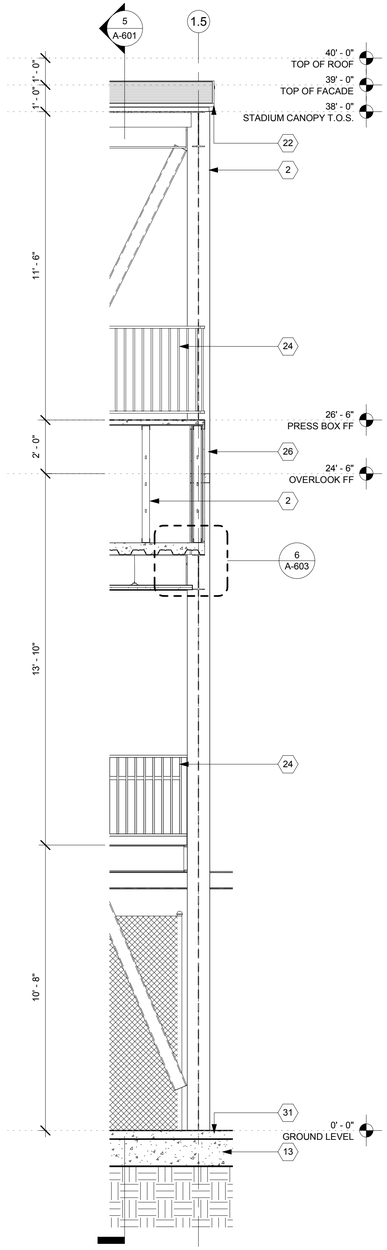
4 SECTION THRU STADIUM OVERLOOK
3/8" = 1'-0"



3 SECTION THRU STADIUM OVERLOOK
3/8" = 1'-0"



2 SECTION THRU STADIUM OVERLOOK
3/8" = 1'-0"



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BUREAU OF ENGINEERING
CITY OF LOS ANGELES

NO.	REVISIONS:	DATE:	BY:

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RP 300094

INDEX NO.

LICENSED ARCHITECT
JOHN E. PALI
C-19741
5/31/2017
STATE OF CALIFORNIA

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LIC. NO. C-19741
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ARCHITECT: ZOLTAN E. PALI, FAIA
DESIGNED BY: ZEP
DRAWN BY: AOS
CHECKED BY: SM
APPROVED BY: MAHMOOD KARIMZADEH, A.I.A., PRINCIPAL ARCHITECT

VERTICAL CONTROL:
HORIZONTAL CONTROL:

SHEET TITLE: WALL SECTION - STADIUM

PROJECT: RANCHO CIENEGA SPORTS COMPLEX

ADDRESS: 5001 RODEO ROAD
LOS ANGELES, CA 90016

BUREAU OF ENGINEERING
OFFICIAL RECORD

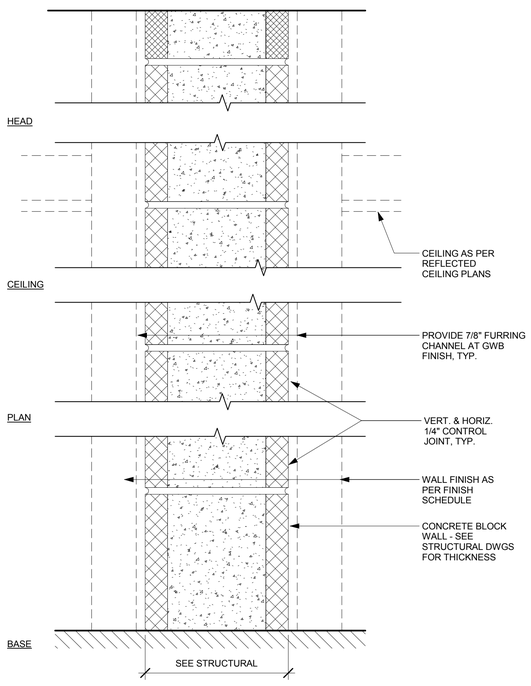
WORK ORDER NO.
E1907694

PLAN FILE NO.

DRAWING NO.
A-421

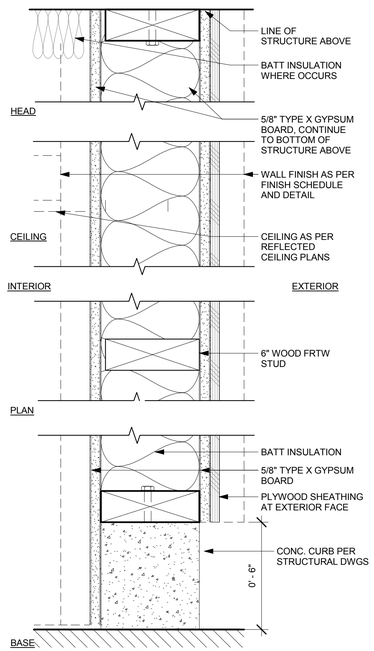
SHEET OF SHEETS

PLOTTED: 12/22/2016 4:24:52 PM



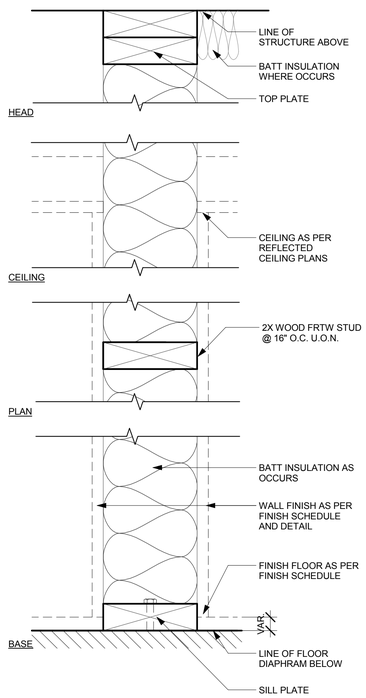
CMU WALL TYPE A

METAL STUD WALL



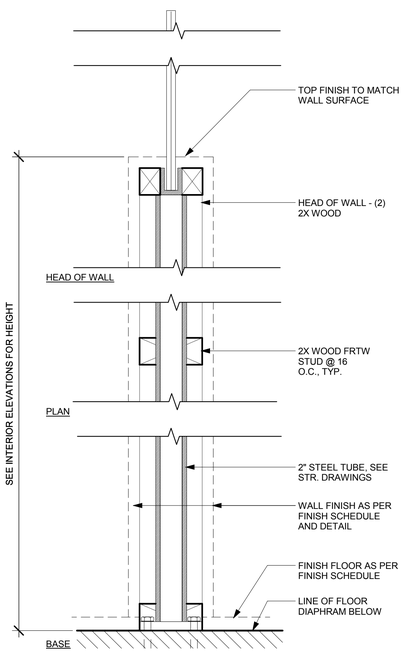
WALL TYPE B

2 HR FIRE RATED WALL ASSEMBLY
(CBC 602.1, TABLE 601 - 602)
(UL No. U419)



WALL TYPE C

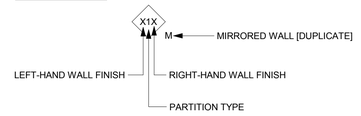
WOOD FRTW STUD WALL



WALL TYPE G

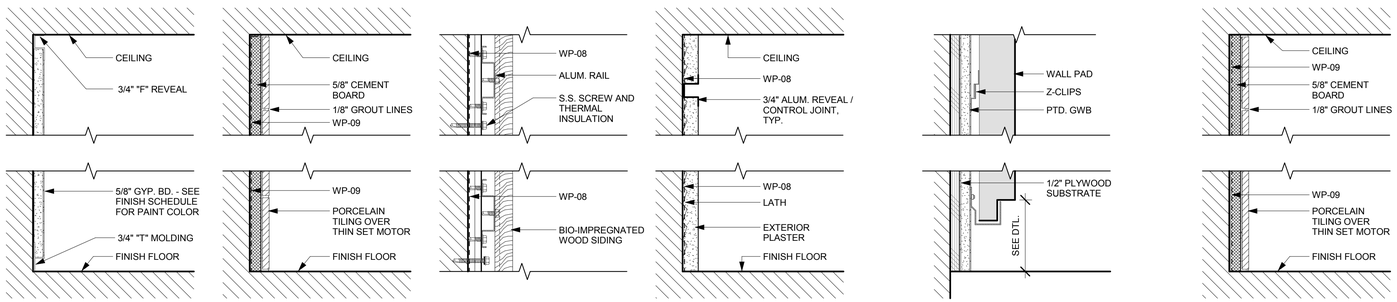
PARTIAL HEIGHT WALL

WALL TYPE LEGEND



2 PARTITION TYPES
3" = 1'-0"

FINISH MATERIAL TYPE LEGEND & DETAILS



TYPE 1
PAINTED GYPSUM BOARD

TYPE 2
PORCELAIN TILE

TYPE 3
BIO IMPREGNATED WOOD CLADDING

TYPE 4
EXTERIOR PLASTER

TYPE 7
GYM WALL PADS

TYPE 10
LARGE FORMAT TILE

1 PARTITION MATERIAL TYPES
3" = 1'-0"

BUREAU OF ENGINEERING
OFFICIAL RECORD

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CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS BUREAU OF ENGINEERING

ENGINEERING
CITY OF LOS ANGELES

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ARCHITECTURAL DIVISION
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APPROVED BY: MAHMOOD KARIMZADEH, A.I.A., PRINCIPAL ARCHITECT

CITY OF LOS ANGELES
VERTICAL CONTROL:
HORIZONTAL CONTROL:

SHEET TITLE: PARTITION TYPES

PROJECT: RANCHO CIENEGA SPORTS COMPLEX
ADDRESS: 5001 RODEO ROAD
LOS ANGELES, CA 90016

WORK ORDER NO.
E1907694
PLAN FILE NO.
DRAWING NO.
A-501
SHEET OF SHEETS

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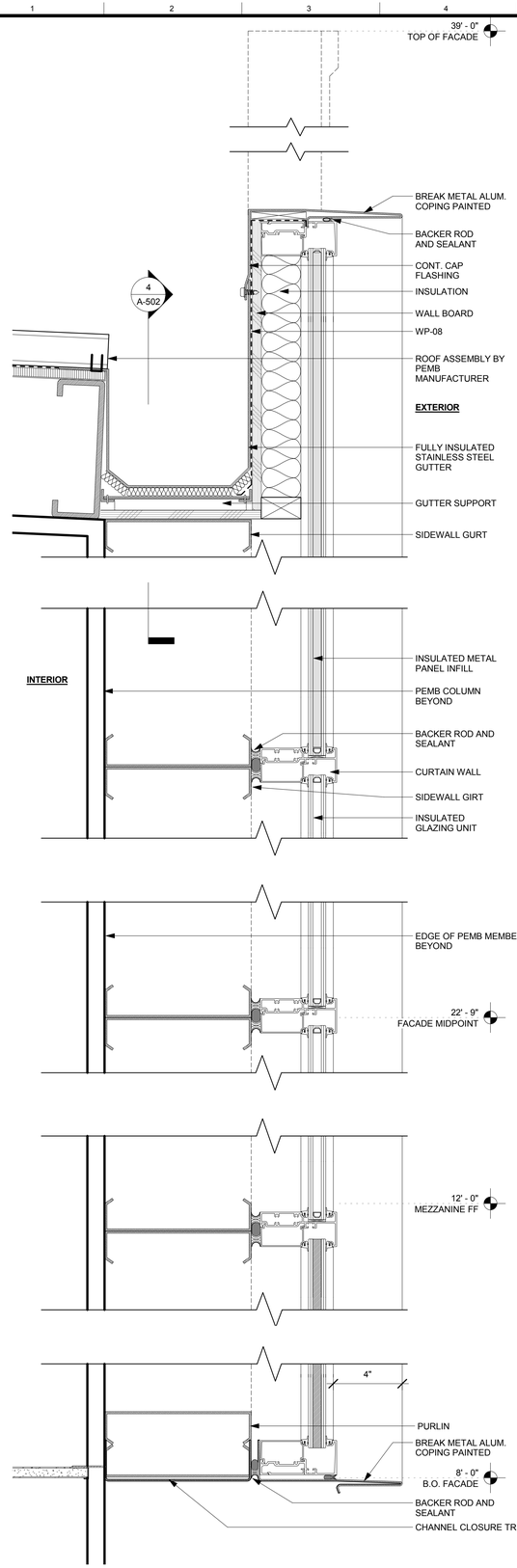
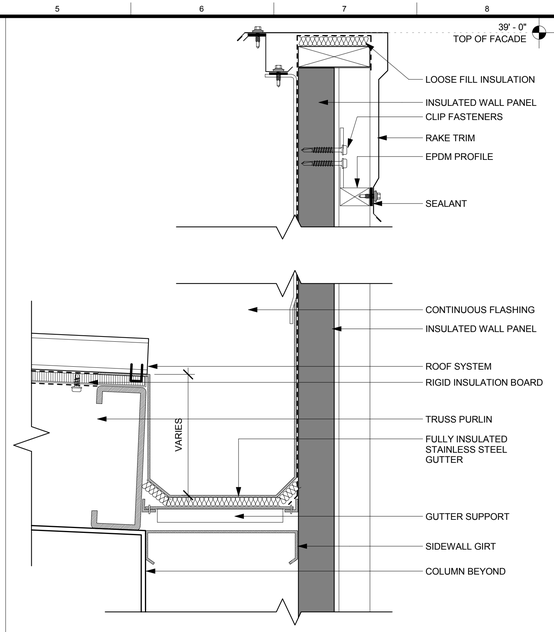
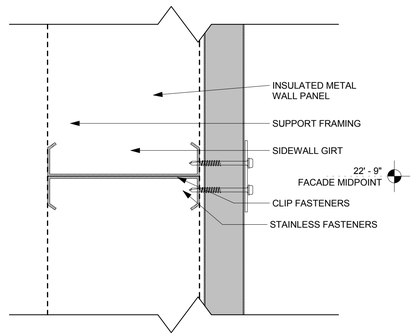


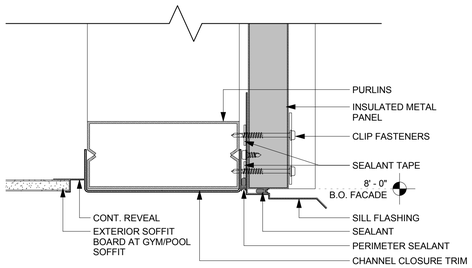
10 WALL PANEL - CURTAIN WALL SECTION
3" = 1'-0"



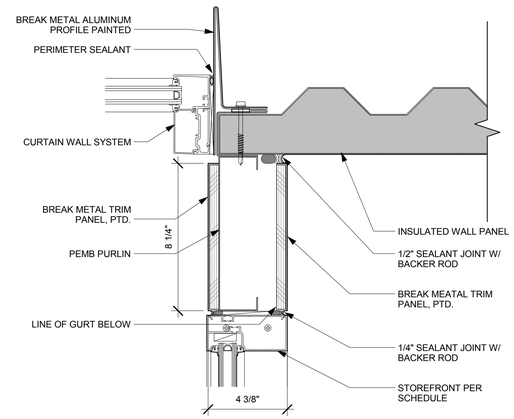
9 WALL PANEL - INTERIOR GUTTER DETAIL
3" = 1'-0"



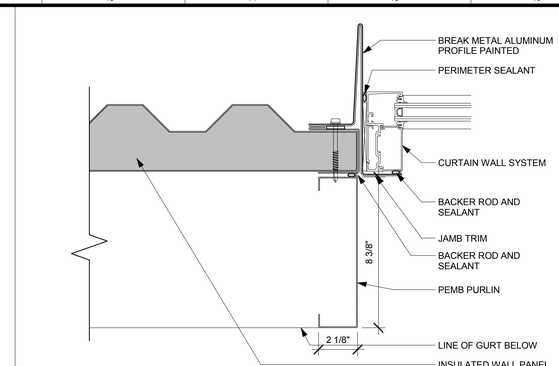
8 METAL WALL PANEL GURT DETAIL, TYP.
3" = 1'-0"



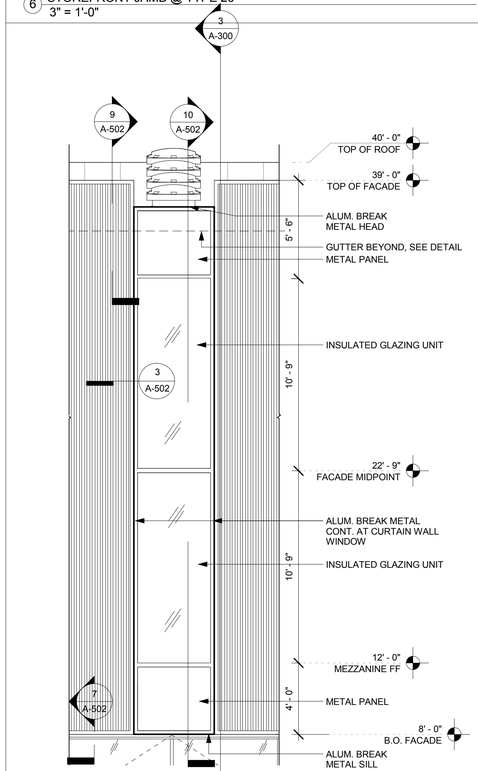
7 METAL PANEL SILL DETAIL
3" = 1'-0"



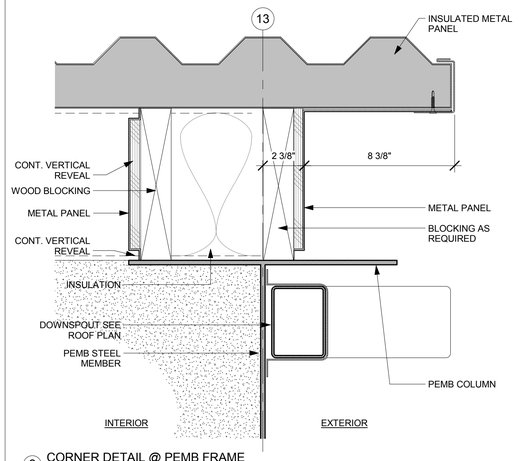
6 STOREFRONT JAMB @ TYPE 26
3" = 1'-0"



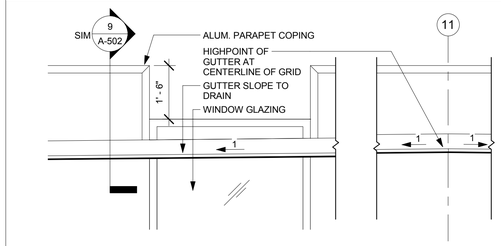
3 CURTAIN WALL JAMB DETAIL
3" = 1'-0"



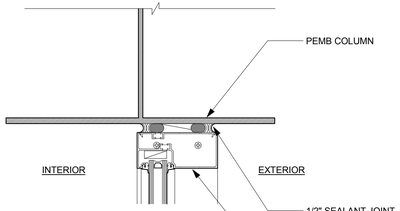
5 WALL PANEL WINDOW ENLARGED ELEVATION
1/4" = 1'-0"



2 CORNER DETAIL @ PEMB FRAME
3" = 1'-0"



4 GUTTER DETAIL SLOPE
1/2" = 1'-0"



1 STOREFRONT JAMB @ PEMB FRAME
3" = 1'-0"

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FILE: Z:\14-918 RANCHO CIENEGA SPORTS COMPLEX\DRAWINGS\REVITLINKS-AUTOCADBOE_TITLEBLOCK_CD_80PERCENT.DWG

REVISION DATES (DESIGN STAGE ONLY)

BUREAU OF ENGINEERING
ENGINEERING
CITY OF LOS ANGELES

NO. REVISIONS: DATE: BY:

BUILDING NO.

RP 300094

INDEX NO.

LICENSED ARCHITECT
JOHN E. PALI
C-19741
5/31/2017
RENEWAL DATE
STATE OF CALIFORNIA

BID SET SUBMITTAL

CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS

GARY LEE MOORE, PE, ENV SP CITY ENGINEER
DATE:
ARCHITECTURAL DIVISION
ARCHITECT: ZOLTAN E. PALI, FAIA LIC. NO. C-19741
DESIGNED BY: ZEP
DRAWN BY: AOS
CHECKED BY: SM
APPROVED BY: MAHMOOD KARIMZADEH, A.I.A., PRINCIPAL ARCHITECT

VERTICAL CONTROL:
HORIZONTAL CONTROL:

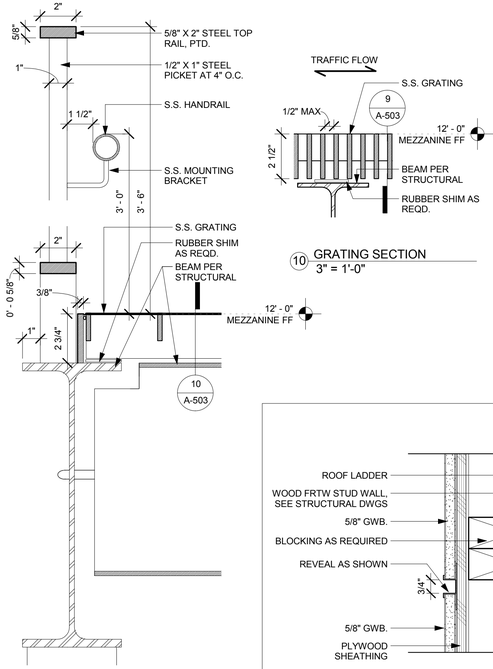
SHEET TITLE: EXTERIOR DETAILS

PROJECT: RANCHO CIENEGA SPORTS COMPLEX
ADDRESS: 5001 RODEO ROAD
LOS ANGELES, CA 90016

WORK ORDER NO.
E1907694
PLAN FILE NO.
DRAWING NO.
A-502
SHEET OF SHEETS

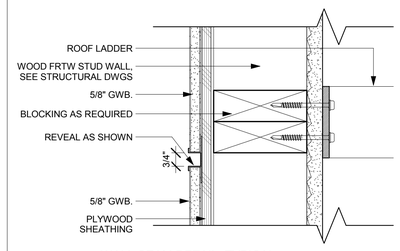
BUREAU OF ENGINEERING
OFFICIAL RECORD

PLOTTED: 12/22/2016 4:25:01 PM



9 SECTION DETAIL AT BRIDGE
3" = 1'-0"

10 GRATING SECTION
3" = 1'-0"



11 WALL SEAM DETAIL, TYPICAL
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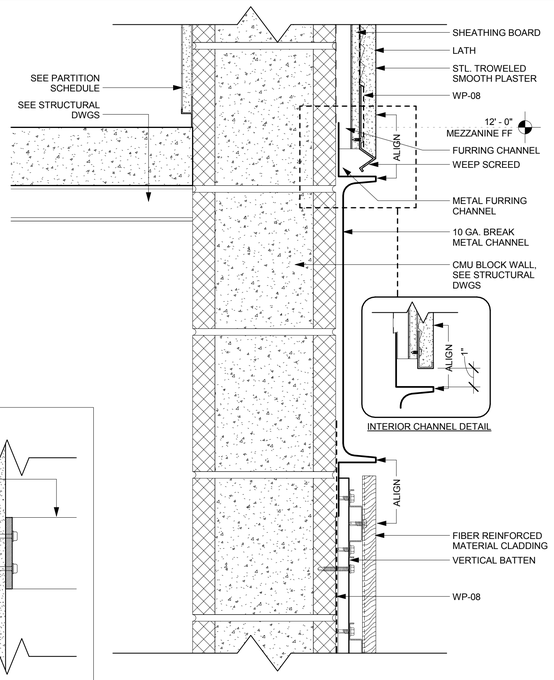

5 METAL CHANNEL AT POOL
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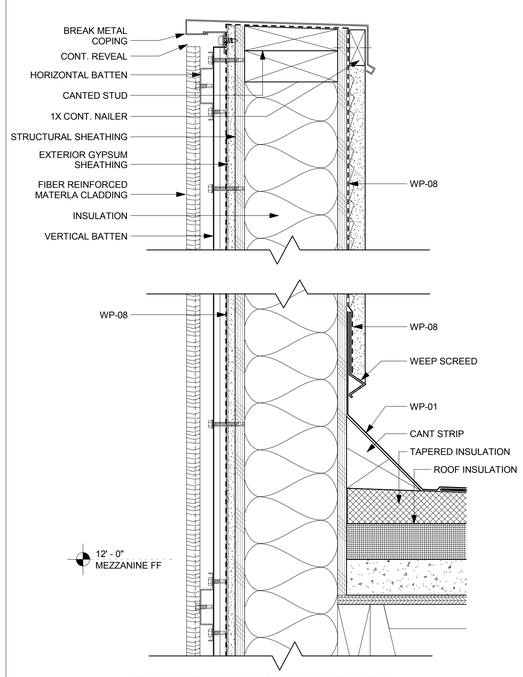

8 REINFORCED FIBERBOARD PARAPET DETAIL
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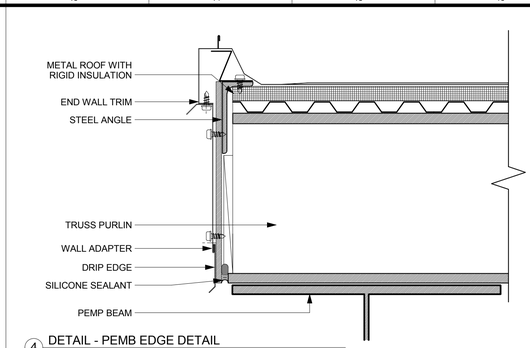

4 DETAIL - PEMB EDGE DETAIL
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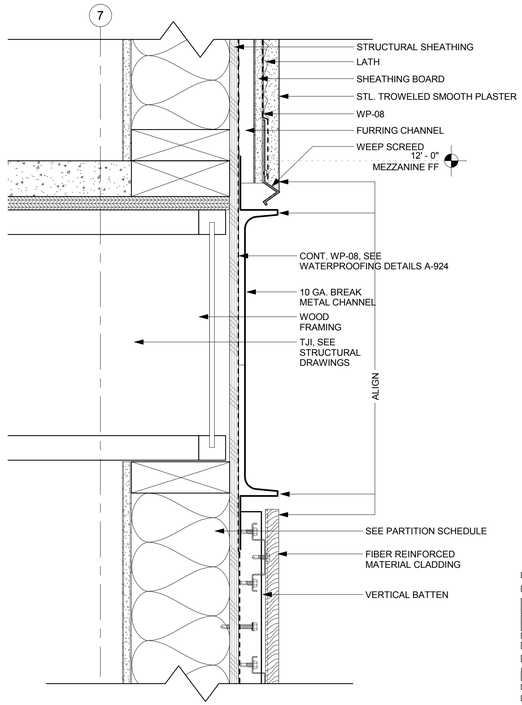
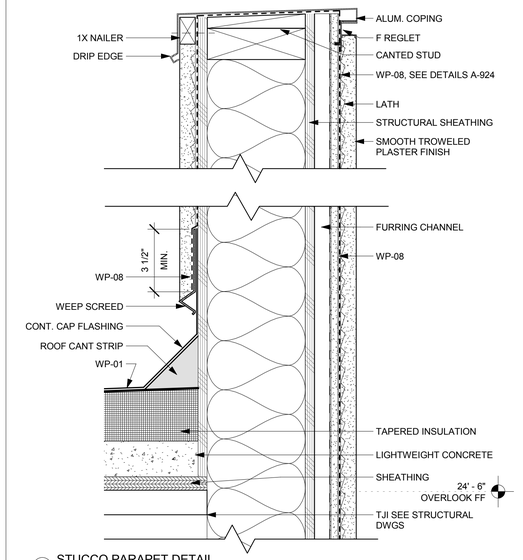


6 CHANNEL @ GYM
3" = 1'-0"



2 STUCCO PARAPET DETAIL
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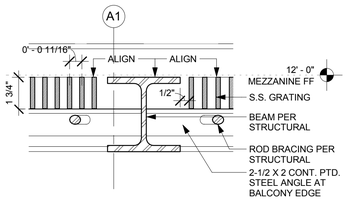

15 BALCONY GRATE DETAIL
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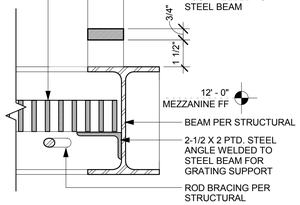
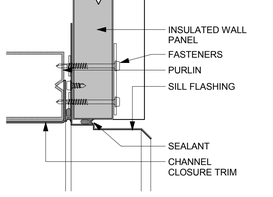
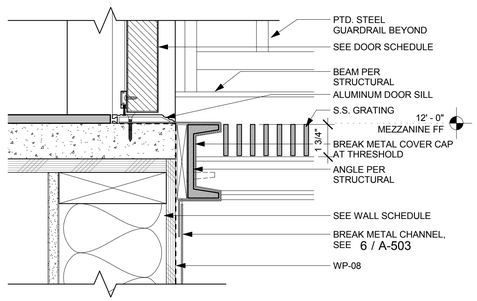


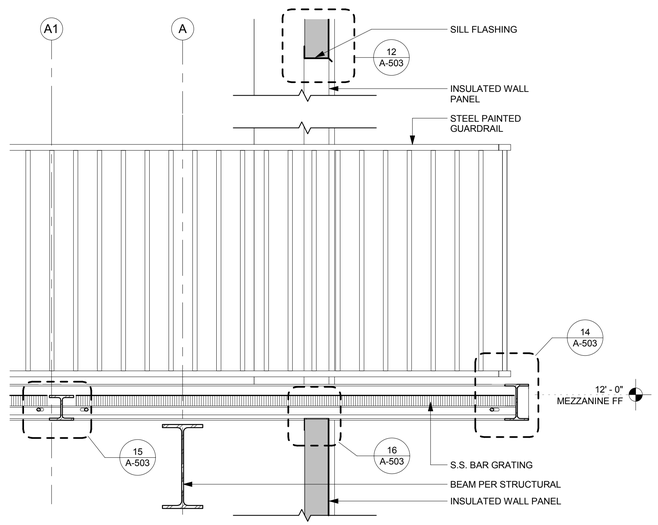
14 BALCONY EDGE DETAIL
3" = 1'-0"



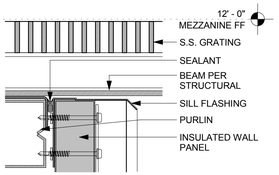
12 METAL PANEL OPENING SILL DETAIL
3" = 1'-0"



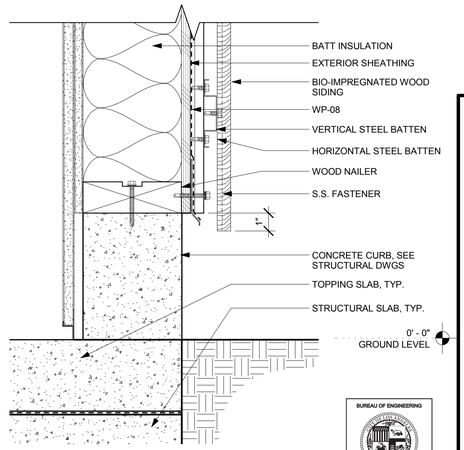
13 DOOR AT GRATING BRIDGE
3" = 1'-0"



3 BALCONY SECTION DETAIL
1" = 1'-0"



16 BRIDGE BOTTOM SILL DETAIL
3" = 1'-0"



1 CONCRETE CURB DETAIL
3" = 1'-0"

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FILE: Z:\14-018 RANCHO CIENEGA SPORTS COMPLEX\DRAWINGS\REVIT\LINKS-AUTOCAD\BOE_TITLEBLOCK_CD_90PERCENT.DWG

REVISION DATES (DESIGN STAGE ONLY)

BUREAU OF ENGINEERING
CITY OF LOS ANGELES

NO. REVISIONS: DATE: BY:

BUILDING NO.

INDEX NO. RP 300094

LICENSED ARCHITECT
JOHN CARL
C-19741
5/31/2017
RENEW
STATE OF CALIFORNIA

CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS
BID SET SUBMITTAL

GARY LEE MOORE, PE, ENV SP CITY ENGINEER DATE:
ARCHITECTURAL DIVISION LIC. NO. C-19741
ARCHITECT: ZOLTAN E. PALI, FAIA
DESIGNED BY: ZEP
DRAWN BY: AOS
CHECKED BY: SM
APPROVED BY: MAHMOOD KARIMZADEH, A.I.A., PRINCIPAL ARCHITECT

VERTICAL CONTROL:
HORIZONTAL CONTROL:

SHEET TITLE: EXTERIOR DETAILS

PROJECT: RANCHO CIENEGA SPORTS COMPLEX
ADDRESS: 5001 RODEO ROAD
LOS ANGELES, CA 90016

WORK ORDER NO. E1907694
PLAN FILE NO.
DRAWING NO. A-503
SHEET OF SHEETS

BUREAU OF ENGINEERING
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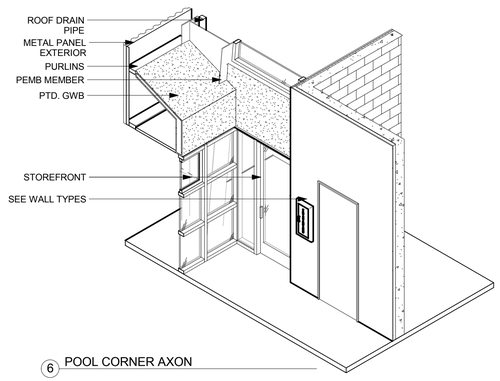
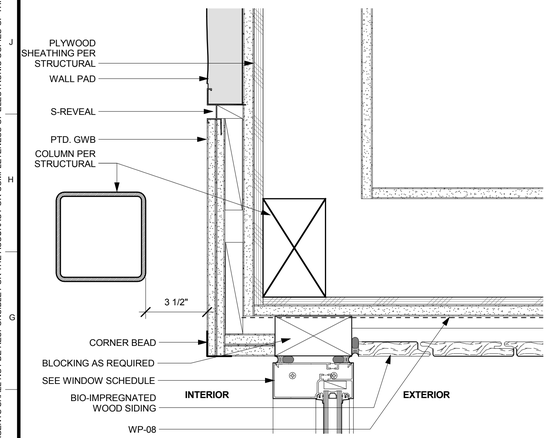
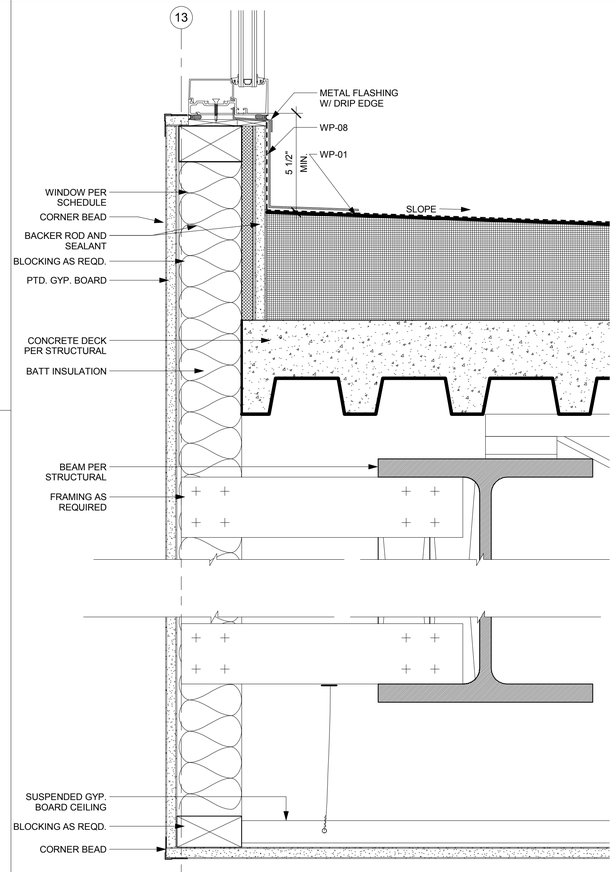


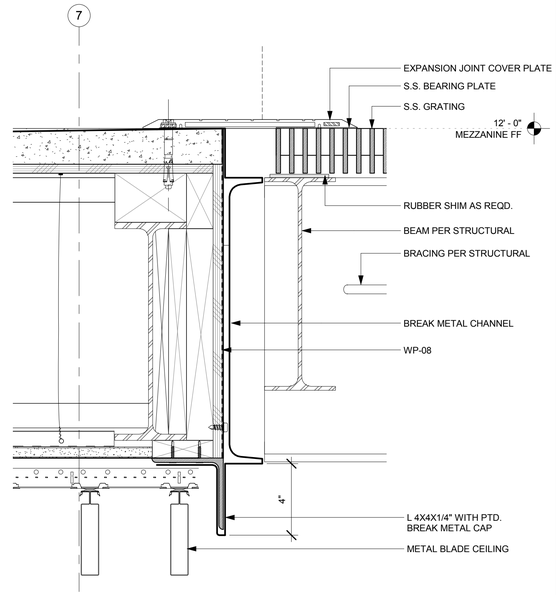
6 POOL CORNER AXON



4 GYM CORNER DETAIL
3" = 1'-0"



2 POOL BLEACHER SOFFIT
3" = 1'-0"



11 GRATING EXPANSION JOINT
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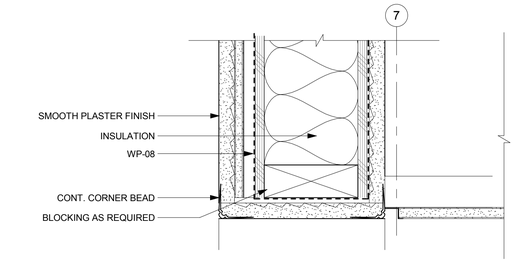
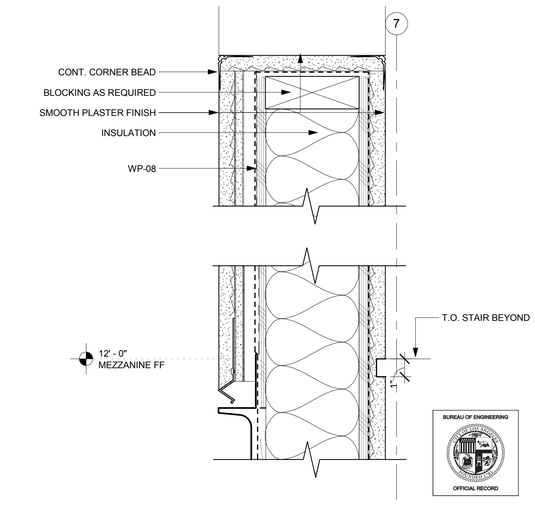
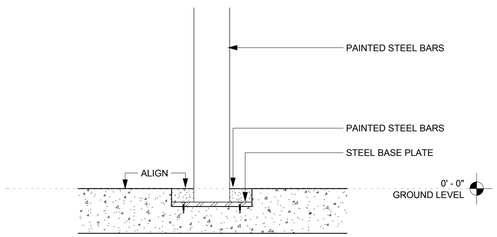


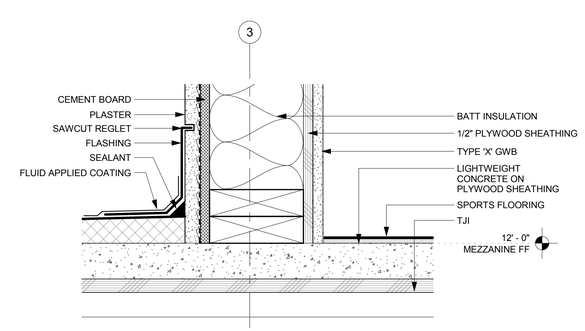
1 SOFFIT DETAIL GYM
3" = 1'-0"



5 GYM MEZZANINE FOYER LOW WALL
3" = 1'-0"



12 COURT GATE DETAIL
1 1/2" = 1'-0"



14 GYM EXIT STAIR BASE DETAIL
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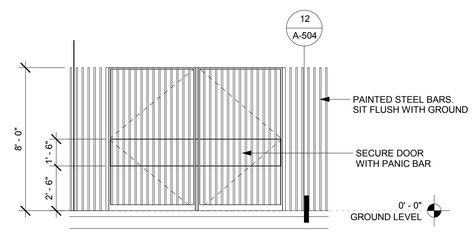
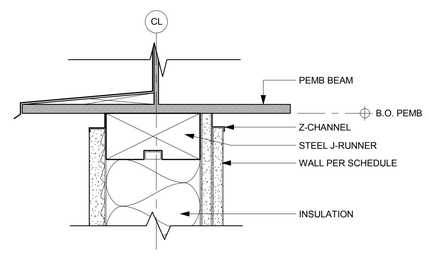


8 COURT GATE ELEVATION
1/4" = 1'-0"



9 PEMB WALL ATTACHMENT DETAIL
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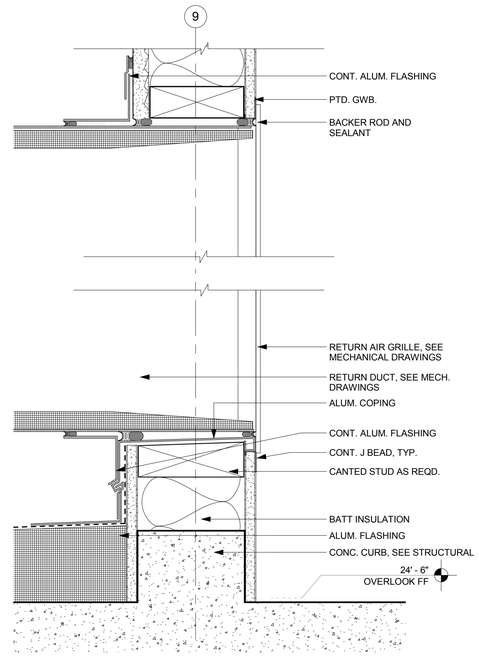
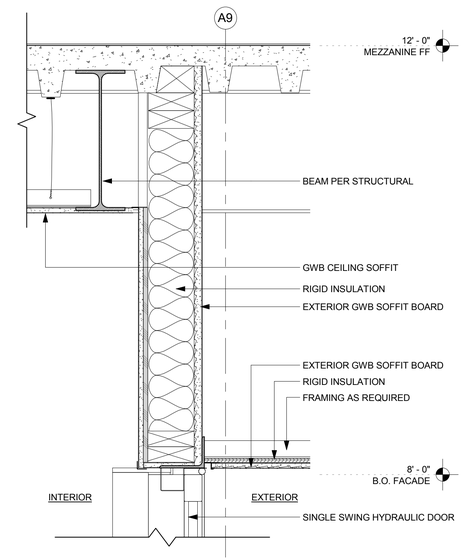


3 GYM RETURN GRILLE DETAIL
3" = 1'-0"



10 HYDRAULIC DOOR SWING HEAD DETAIL
1 1/2" = 1'-0"

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OFFICIAL RECORD

ENGINEERING
CITY OF LOS ANGELES

BUREAU OF ENGINEERING

NO.	REVISIONS:	DATE:	BY:

BUILDING NO.

INDEX NO. RP 300094

LICENSED ARCHITECT
ZOLTAN E. PALI
C-19741
5/31/2017
STATE OF CALIFORNIA

BID SET SUBMITTAL

CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS

GARY LEE MOORE, PE, ENV SP CITY ENGINEER
ARCHITECTURAL DIVISION
ARCHITECT: ZOLTAN E. PALI, FAIA LIC. NO. C-19741 DATE:
DESIGNED BY: ZEP
DRAWN BY: AOS
CHECKED BY: SM
APPROVED BY: MAHMOOD KARIMZADEH, A.I.A., PRINCIPAL ARCHITECT

VERTICAL CONTROL:
HORIZONTAL CONTROL:

SHEET TITLE: EXTERIOR DETAILS

PROJECT: RANCHO CIENEGA SPORTS COMPLEX
ADDRESS: 5001 RODEO ROAD
LOS ANGELES, CA 90016

WORK ORDER NO. E1907694
PLAN FILE NO.
DRAWING NO. A-504
SHEET OF SHEETS

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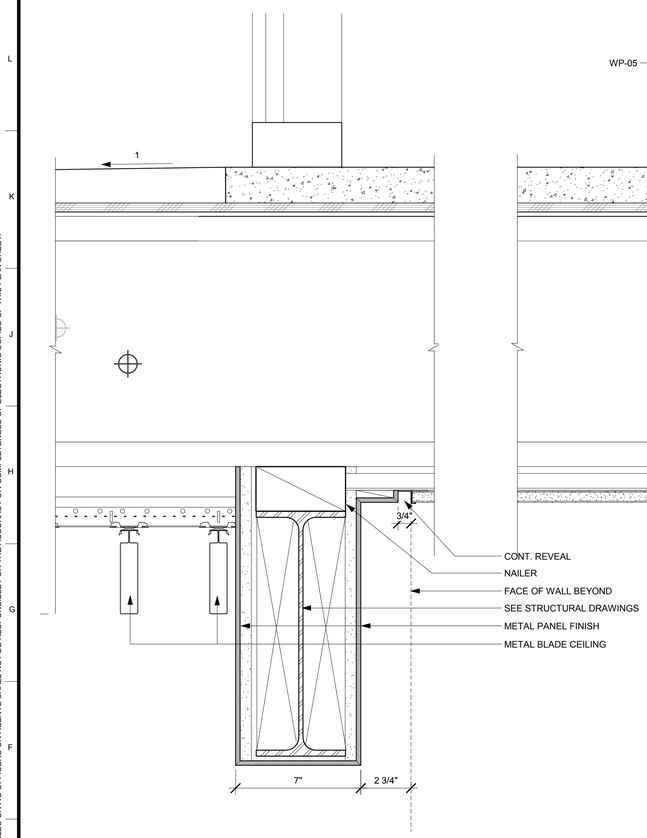

6 WALKING TRACK EDGE DETAIL @ LOBBY
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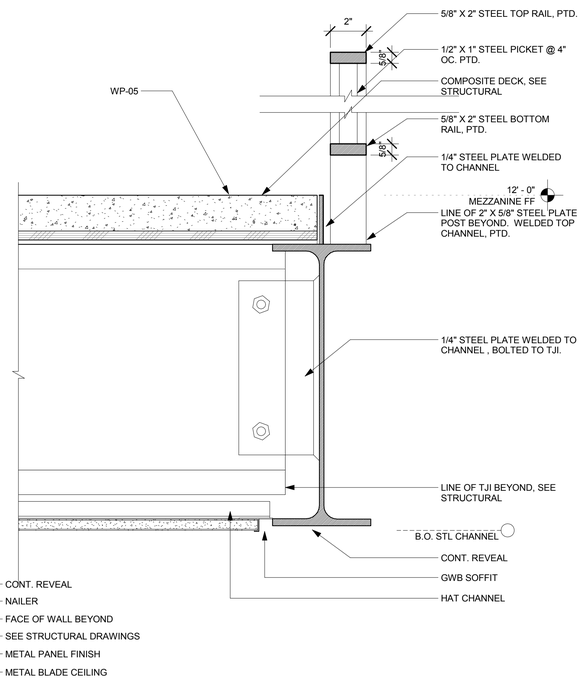

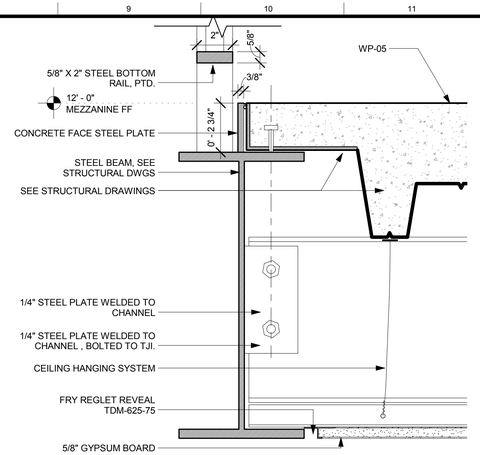

2 WALKING TRACK EDGE @ BEAM
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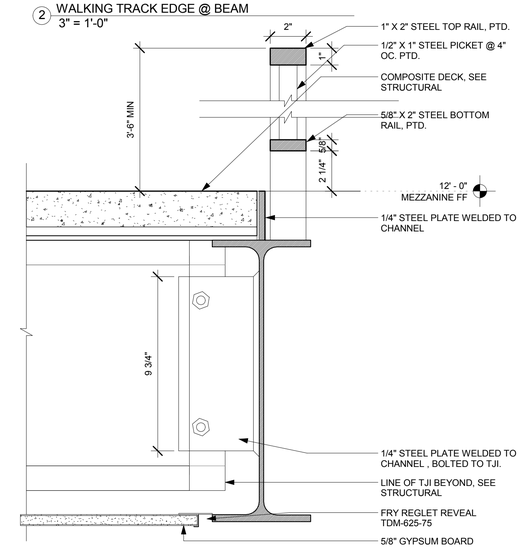

1 WALKING TRACK EDGE @ CHANNEL
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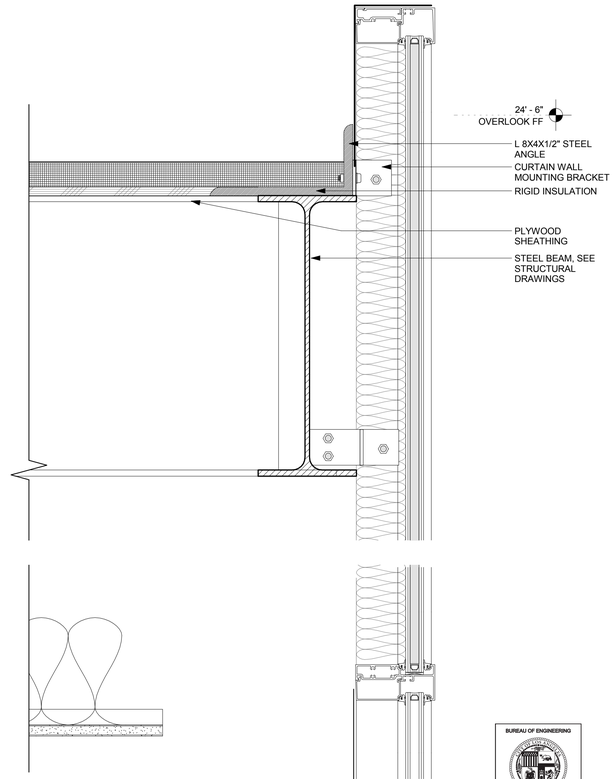

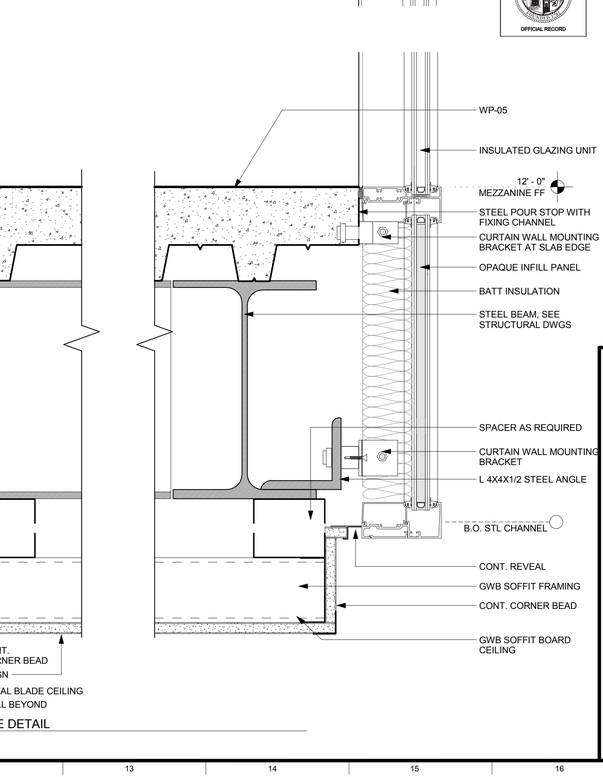

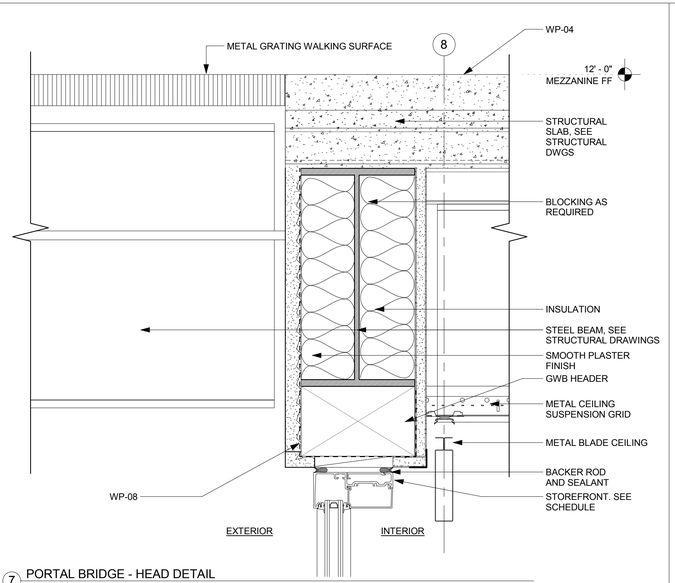

7 PORTAL BRIDGE - HEAD DETAIL
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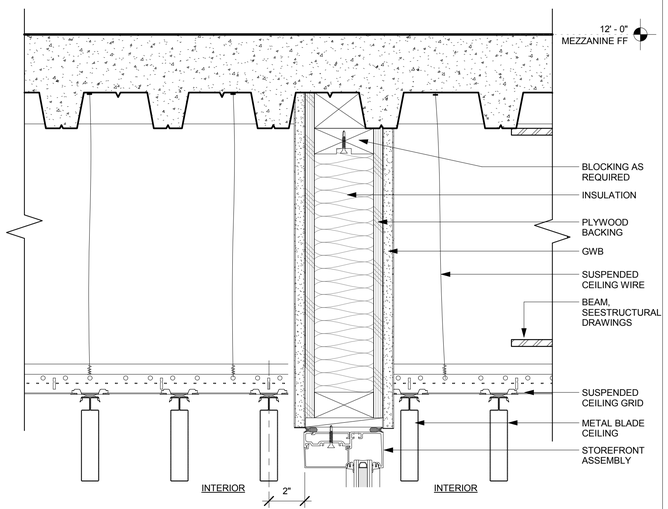

3 POOL LOBBY METAL BLADE CEILING
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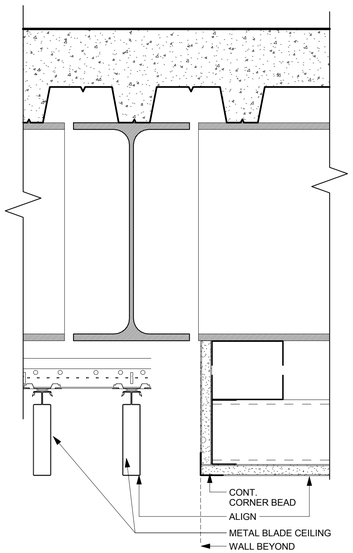

5 POOL OBSERVATION DECK SLAB EDGE DETAIL
3" = 1'-0"

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LICENSED ARCHITECT
ZOLTAN E. PALI
C-19741
5/31/2017
RENEWAL DATE
STATE OF CALIFORNIA

BID SET SUBMITTAL

DEPARTMENT OF PUBLIC WORKS
CITY OF LOS ANGELES

CITY ENGINEER	GARY LEE MOORE, PE, ENV SP
DATE:	
ARCHITECTURAL DIVISION	
LIC. NO. C-19741	ARCHITECT: ZOLTAN E. PALI, FAIA
DESIGNED BY: ZEP	
DRAWN BY: AOS	
CHECKED BY: SM	
APPROVED BY: MAHMOOD KARIMZADEH, A.I.A., PRINCIPAL ARCHITECT	

VERTICAL CONTROL:
HORIZONTAL CONTROL:

SHEET TITLE: INTERIOR DETAILS

PROJECT: RANCHO CIENEGA SPORTS COMPLEX

ADDRESS: 5001 RODEO ROAD
LOS ANGELES, CA 90016

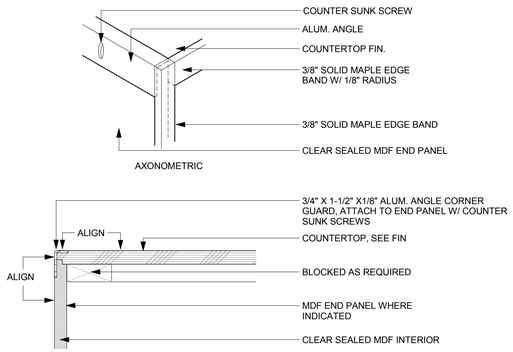
WORK ORDER NO. E1907694

PLAN FILE NO.

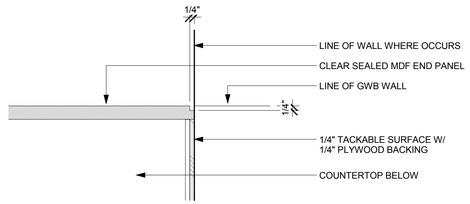
DRAWING NO. A-505

SHEET OF SHEETS

PLOTTED: 12/22/2016 4:25:23 PM



16 COUNTERTOP CORNER DETAIL - TYPICAL
3" = 1'-0"



15 END PANEL PLAN DETAIL - TYPICAL
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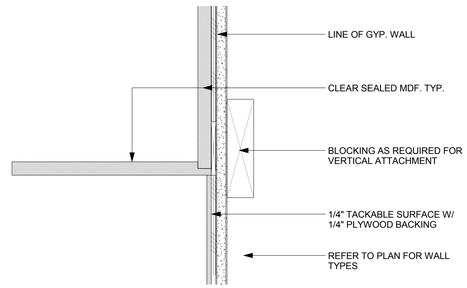

8 OPEN SHELVING DETAIL - TYPICAL
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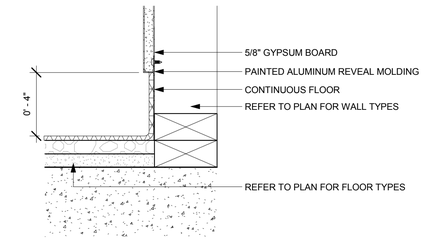
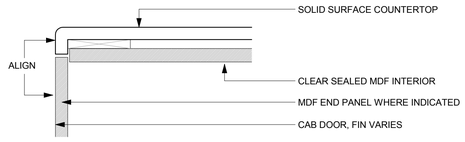
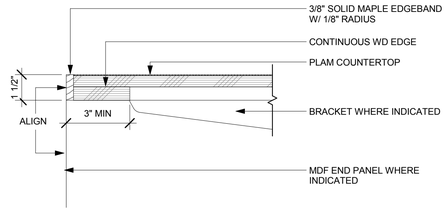


4 CONTINUOUS FLOOR BASE REVEAL - TYPICAL
3" = 1'-0"



14 CABINET SOLID SURFACE COUNTERTOP DETAIL - TYPICAL
3" = 1'-0"



9 COUNTERTOP EDGE - TYPICAL
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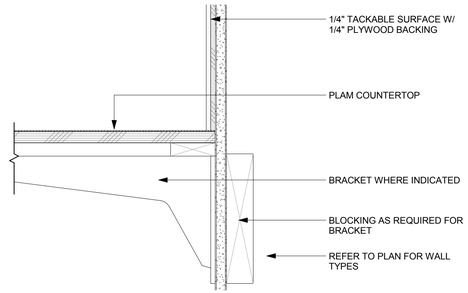

7 COUNTERTOP DETAIL - TYPICAL
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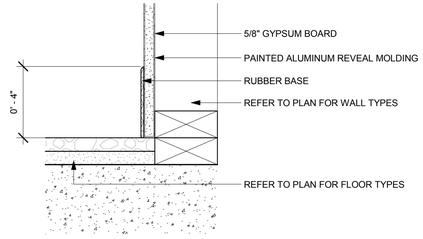

3 RUBBER BASE REVEAL - TYPICAL
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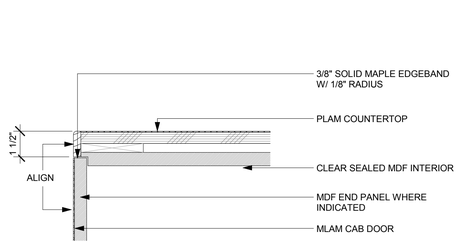

13 CABINET PLAM COUNTERTOP DETAIL - TYPICAL
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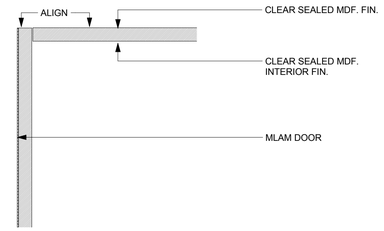

11 CABINET TOP DETAIL- TYPICAL
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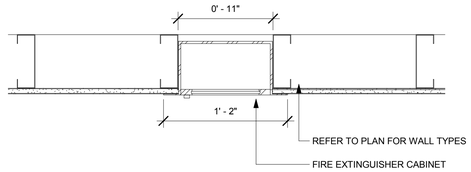
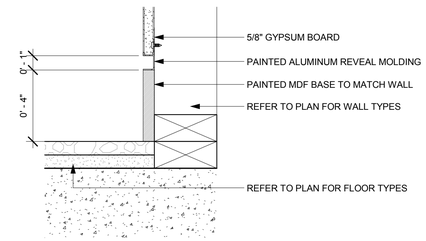


6 FIRE EXTINGUISHER CABINET - PLAN
1 1/2" = 1'-0"



2 MDF BASE REVEAL - TYPICAL
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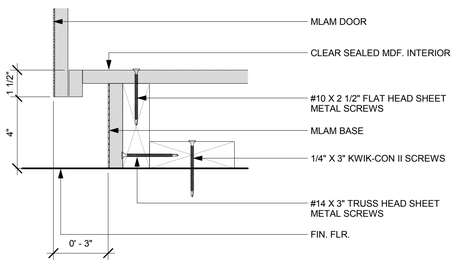

12 CABINET PLAM BASE DETAIL - TYPICAL
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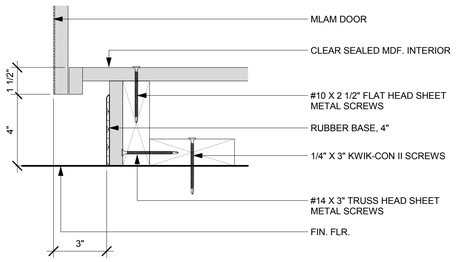
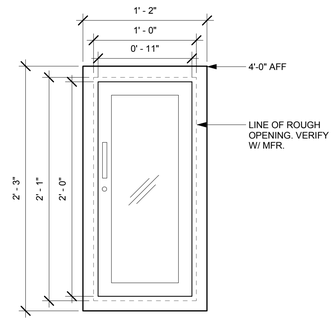
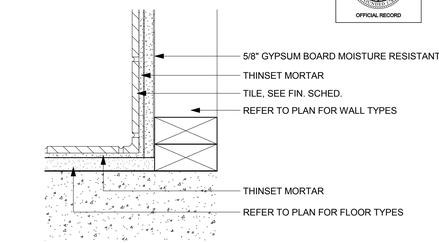


10 CABINET RUBBER BASE DETAIL - TYPICAL
3" = 1'-0"



5 FIRE EXTINGUISHER CABINET - ELEVATION
1 1/2" = 1'-0"



1 TILE WALL TO TILE FLOOR - TYPICAL
3" = 1'-0"

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REVISION DATES (DESIGN STAGE ONLY)

TEMPLATE SHEET REVISION DATE: 08/2014
REVISION DATE: 10/24/2016 5:30 PM FILE: Z:\14-018 RANCHO CIENEGA SPORTS COMPLEX\DRAWINGS\REVIT\LINKS:AUTOCAD\BOE_TITLEBLOCK_CD_90PERCENT.DWG

BID SET SUBMITTAL

CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS

BUREAU OF ENGINEERING

ENGINEERING
CITY OF LOS ANGELES

NO.	REVISIONS:	DATE:	BY:

BUILDING NO.

INDEX NO. RP 300094

REGISTERED ARCHITECT ZOLTAN E. PALI C-19741 5/31/2017 STATE OF CALIFORNIA

GARY LEE MOORE, PE, ENV SP CITY ENGINEER
ARCHITECTURAL DIVISION

ARCHITECT: ZOLTAN E. PALI, FAIA LIC. NO. C-19741
DESIGNED BY: ZEP
DRAWN BY: AOS
CHECKED BY: SM
APPROVED BY: MAHMOOD KARIMZADEH, A.I.A., PRINCIPAL ARCHITECT

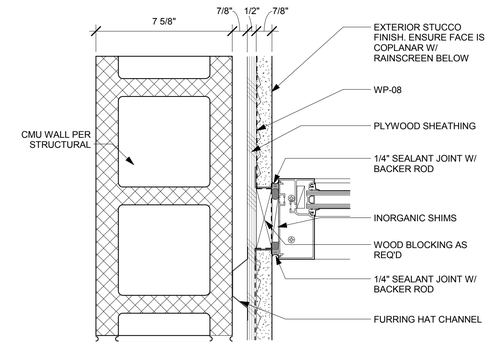
VERTICAL CONTROL:
HORIZONTAL CONTROL:

SHEET TITLE: INTERIOR DETAILS

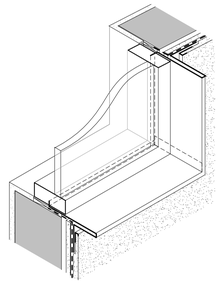
PROJECT: RANCHO CIENEGA SPORTS COMPLEX
ADDRESS: 5001 RODEO ROAD
LOS ANGELES, CA 90016

WORK ORDER NO. E1907694
PLAN FILE NO.
DRAWING NO. A-506
SHEET OF SHEETS

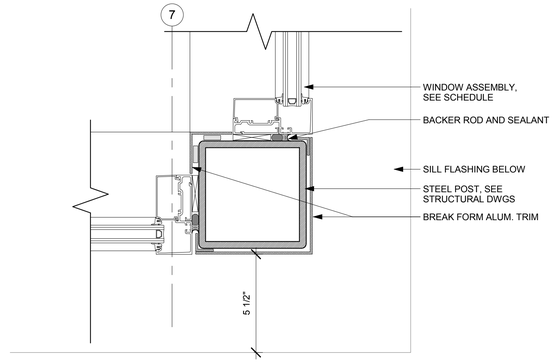
PLOTTED: 12/22/2016 4:25:27 PM



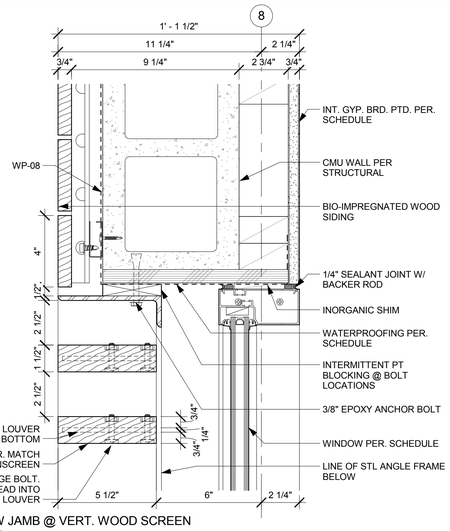
9 STOREFRONT JAMB @ P17, P25
3" = 1'-0"



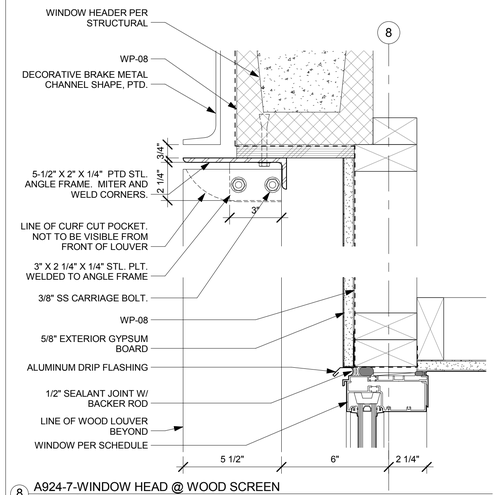
6 WINDOW SILL LAP DETAIL
1 1/2" = 1'-0"



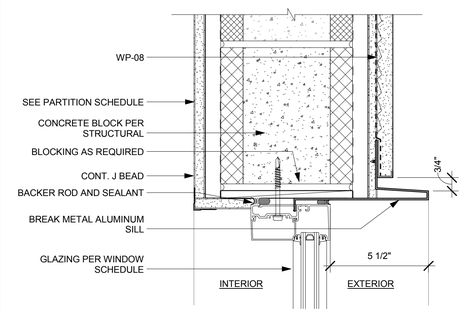
3 WINDOW CORNER DTL. @ POST
3" = 1'-0"



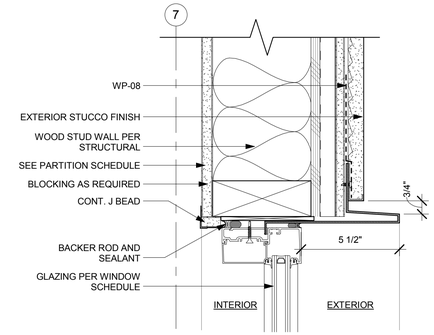
11 WINDOW JAMB @ VERT. WOOD SCREEN
3" = 1'-0"



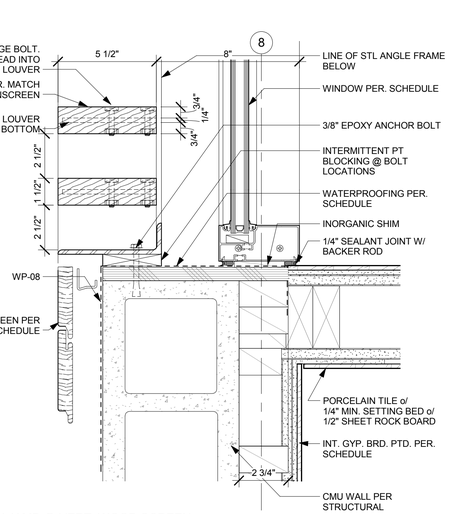
8 A924-7-WINDOW HEAD @ WOOD SCREEN
3" = 1'-0"



5 POOL WINDOW HEAD DETAIL
3" = 1'-0"



2 GYM WINDOW HEAD DETAIL
3" = 1'-0"



10 WINDOW JAMB @ VERT. WOOD SCREEN
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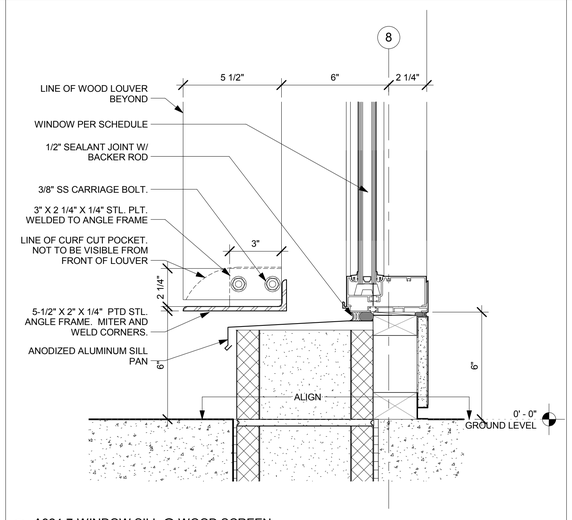
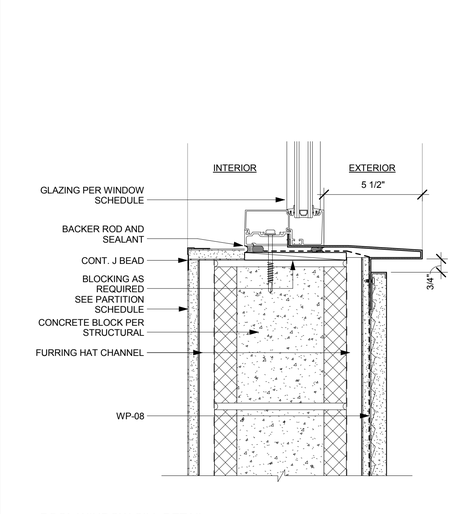
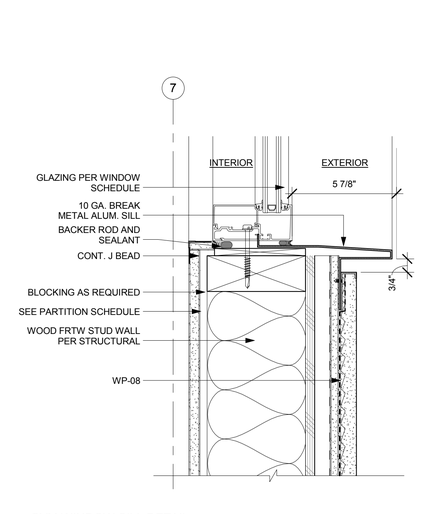


7 A924-7-WINDOW SILL @ WOOD SCREEN
3" = 1'-0"



4 POOL WINDOW SILL DETAIL
3" = 1'-0"



1 GYM WINDOW SILL DETAIL
3" = 1'-0"

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TEMPLATE SHEET REVISION DATE: 08/2014
REVISION DATE: 10/24/2016 5:30 PM FILE: Z:\14-018 RANCHO CIENEGA SPORTS COMPLEX\DRAWINGS\REVIT\LINKS\AUTOCAD\BOE_TITLEBLOCK_CD_90PERCENT.DWG

REVISION DATES (DESIGN STAGE ONLY)

BUREAU OF ENGINEERING
CITY OF LOS ANGELES
ENGINEERING

NO. REVISIONS: DATE: BY:

BUILDING NO.

INDEX NO. RP 300094

LICENSED ARCHITECT
BRIAN EARL KELLY
C-19741
5/31/2017
RENEWAL DATE
STATE OF CALIFORNIA

BID SET SUBMITTAL

CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS

GARY LEE MOORE, PE, ENV SP CITY ENGINEER DATE:
ARCHITECTURAL DIVISION LIC. NO. C-19741
ARCHITECT: ZOLTAN E. PALI, FAIA
DESIGNED BY: ZEP
DRAWN BY: AOS
CHECKED BY: SM
APPROVED BY: MAHMOOD KARIMZADEH, A.I.A., PRINCIPAL ARCHITECT

VERTICAL CONTROL:
HORIZONTAL CONTROL:

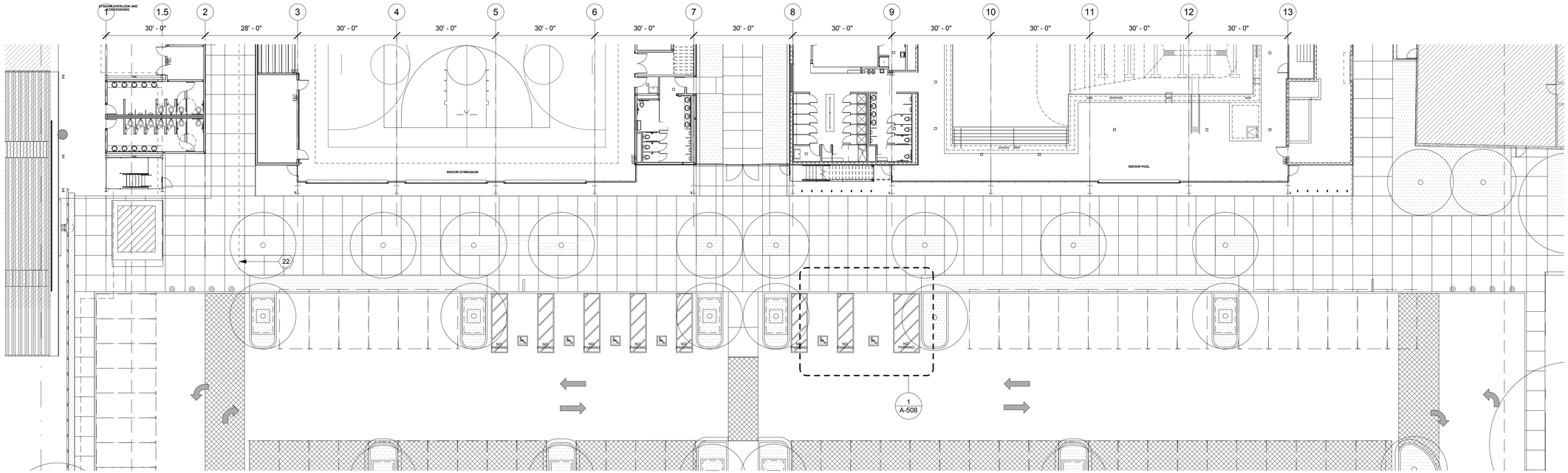
SHEET TITLE: WINDOW DETAILS

PROJECT: RANCHO CIENEGA SPORTS COMPLEX
5001 RODEO ROAD
ADDRESS: LOS ANGELES, CA 90016

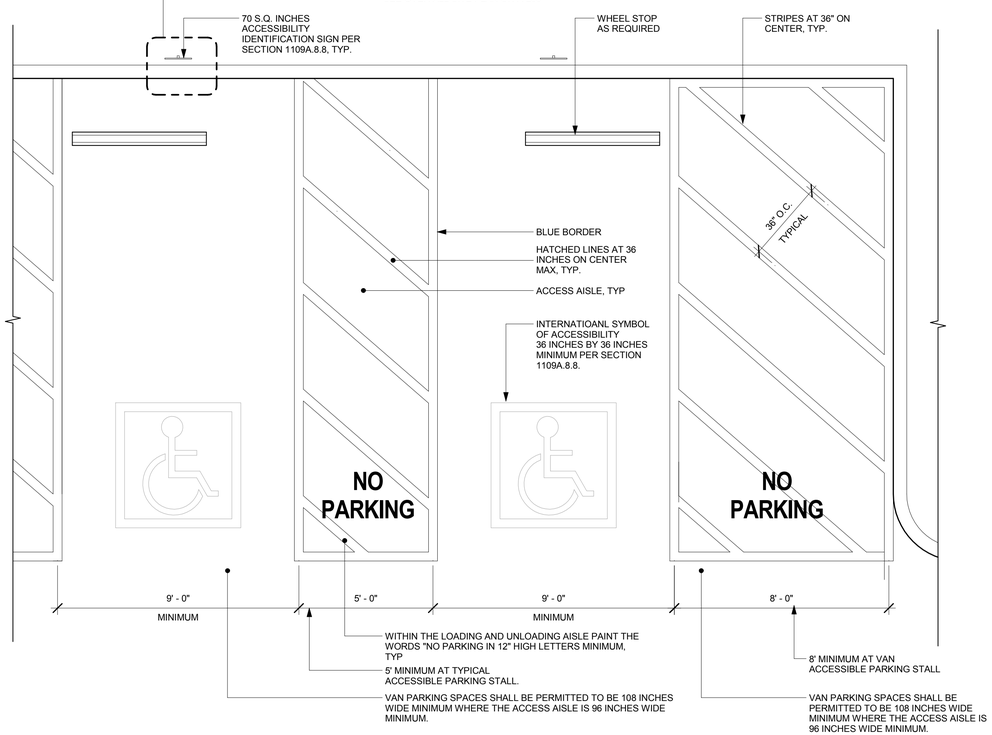
BUREAU OF ENGINEERING
OFFICIAL RECORD

WORK ORDER NO. E1907694
PLAN FILE NO.
DRAWING NO. A-507
SHEET OF SHEETS

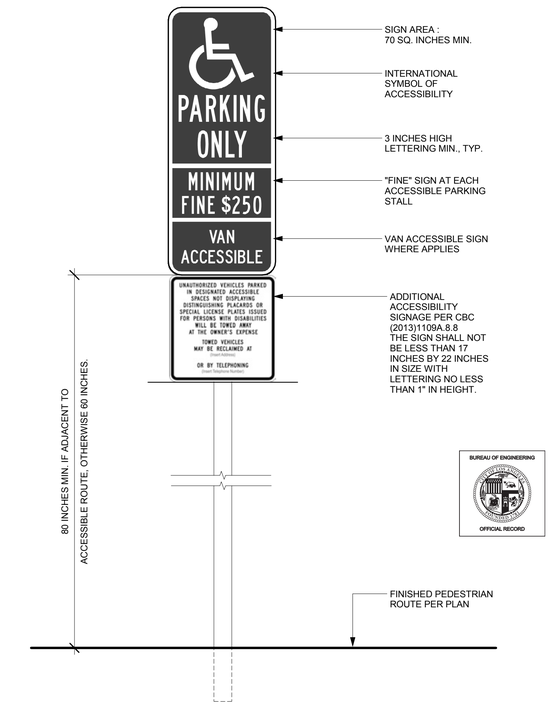
PLOTTED: 12/22/2016 4:25:33 PM



3 A-504.5 - GROUND LEVEL PLAN ACCESSIBLE PARKING PLAN
1/16" = 1'-0"



1 ADA PARKING STALL DETAIL
3/8" = 1'-0"



2 ADA PARKING WARNING SIGNAGE POST
1 1/2" = 1'-0"

ACCESSIBLE PARKING ANS SIGNAGE NOTES STALL NOTES

1. PARKING SPACE IDENTIFICATION SIGNS SHALL INCLUDE THE INTERNATIONAL SYMBOL OF ACCESSIBILITY COMPLYING WITH SECTION 775-703.7.2.1 IN WHITE ON A BLUE BACKGROUND. SIGNS IDENTIFYING VAN PARKING SPACES SHALL CONTAIN ADDITIONAL LANGUAGE OR AN ADDITIONAL SIGN WITH THE DESIGNATION "VAN ACCESSIBLE". SIGNS SHALL BE 60 INCHES (1524 MM) MINIMUM ABOVE THE FINISH FLOOR OR GROUND SURFACE MEASURED TO THE BOTTOM OF THE SIGN.
2. PARKING IDENTIFICATION SIGNS SHALL BE REFLECTORIZED WITH A MINIMUM AREA OF 70 SQUARE INCHES (45,161 RNM²).
3. ADDITIONAL LANGUAGE OR AN ADDITIONAL SIGN BELOW THE INTERNATIONAL SYMBOL OF ACCESSIBILITY SHALL STATE "MINIMUM FINE $250"
4. A PARKING SPACE IDENTIFICATION SIGN SHALL BE VISIBLE FROM EACH PARKING SPACE. SIGNS SHALL BE PERMANENTLY POSTED EITHER IMMEDIATELY ADJACENT TO THE PARKING SPACE OR WITHIN THE PROJECTED PARKING SPACE WIDTH AT THE HEAD END OF THE PARKING SPACE. SIGNS MAY ALSO BE PERMANENTLY POSTED ON A WALL AT THE INTERIOR END OF THE PARKING SPACE.
5. THE PARKING SPACE SHALL BE MARKED WITH AN INTERNATIONAL SYMBOL OF ACCESSIBILITY COMPLYING WITH SECTION 1 1 B-703.7.2.1 IN WHITE ON A BLUE BACKGROUND A MINIMUM 36 INCHES WIDE BY 36 INCHES HIGH (914 MM BY 914 MM). THE CENTERLINE OF THE INTERNATIONAL SYMBOL OF ACCESSIBILITY SHALL BE A MAXIMUM OF 6 INCHES (152 MM) FROM THE CENTERLINE OF THE PARKING SPACE, ITS SIDES PARALLEL TO THE LENGTH OF THE PARKING SPACE AND ITS LOWER CORNER AT, OR LOWER SIDE ALIGNED WITH, THE END OF THE PARKING SPACE LENGTH.
6. PARKING SPACES AND ACCESS AISLES SHALL BE DESIGNED SO THAT CARS AND VANS, WHEN PARKED, CANNOT OBSTRUCT THE REQUIRED CLEAR WIDTH OF ADJACENT ACCESSIBLE ROUTES.
7. AN ADDITIONAL SIGN SHALL BE POSTED EITHER; I) IN A CONSPICUOUS PLACE AT EACH ENTRANCE TO AN OFF-STREET PARKING FACILITY OR 2) IMMEDIATELY ADJACENT TO ON-SITE ACCESSIBLE PARKING AND VISIBLE FROM EACH PARKING SPACE.
8. THE PARKING SPACE SHALL BE OUTLINED IN BLUE OR PAINTED BLUE AND SHALL BE MARKED WITH AN INTERNATIONAL SYMBOL OF ACCESSIBILITY COMPLYING WITH SECTION 1 1 B-703.7.2.1 A MINIMUM 36 INCHES WIDE BY 36 INCHES HIGH (914 MM BY 914 MM) IN WHITE OR A SUITABLE CONTRASTING COLOR. THE CENTERLINE OF THE INTERNATIONAL SYMBOL OF ACCESSIBILITY SHALL BE A MAXIMUM OF 6 INCHES (152 MM) FROM THE CENTERLINE OF THE PARKING SPACE, ITS SIDES PARALLEL TO THE LENGTH OF THE PARKING SPACE AND ITS LOWER CORNER AT, OR LOWER SIDE ALIGNED WITH, THE END OF THE PARKING SPACE.
9. PARKING SPACES AND ACCESS AISLES SHALL BE DESIGNED SO THAT CARS AND VANS, WHEN PARKED, CANNOT OBSTRUCT THE REQUIRED CLEAR WIDTH OF ADJACENT ACCESSIBLE ROUTES
10. AN ADDITIONAL SIGN SHALL BE POSTED EITHER; I) IN A CONSPICUOUS PLACE AT EACH ENTRANCE TO AN OFF-STREET PARKING FACILITY OR 2) IMMEDIATELY ADJACENT TO ON-SITE ACCESSIBLE PARKING AND VISIBLE FROM EACH PARKING SPACE.
11. CAR AND VAN PARKING SPACES SHALL COMPLY WITH SECTION I IB-502. WHERE PARKING SPACES ARE MARKED WITH LINES, WIDTH MEASUREMENTS OF PARKING SPACES AND ACCESS AISLES SHALL BE MADE FROM THE CENTERLINE OF THE MARKINGS.
12. CAR AND VAN PARKING SPACES SHALL BE 216 INCHES (5486 MM) LONG MINIMUM. CAR PARKING SPACES SHALL BE 108 INCHES (2743 MM) WIDE MINIMUM AND VAN PARKING SPACES SHALL BE 144 INCHES (3658 MM) WIDE MINIMUM, SHALL BE MARKED TO DEFINE THE WIDTH, AND SHALL HAVE AN ADJACENT ACCESS AISLE COMPLYING WITH SECTION LLB-502.3.
13. ACCESS AISLES SERVING PARKING SPACES SHALL COMPLY WITH SECTION 7/^5-502.3. ACCESS AISLES SHALL ADJOIN AN ACCESSIBLE ROUTE. TWO PARKING SPACES SHALL BE PERMITTED TO SHARE A COMMON ACCESS AISLE.
14. ACCESS AISLES SERVING CAR AND VAN PARKING SPACES SHALL BE 60 INCHES (1524 MM) WIDE MINIMUM.
15. ACCESS AISLES SHALL EXTEND THE FULL REQUIRED LENGTH OF THE PARKING SPACES THEY SERVE.
16. ACCESS AISLES SHALL BE MARKED WITH A BLUE PAINTED BORDERLINE AROUND THEIR PERIMETER. THE AREA WITHIN THE BLUE BORDERLINES SHALL BE MARKED WITH HATCHED LINES A MAXIMUM OF 36 INCHES (914 MM) ON CENTER IN A COLOR CONTRASTING WITH THAT OF THE AISLE SURFACE, PREFERABLY BLUE OR WHITE. THE WORDS "NO PARKING" SHALL BE PAINTED ON THE SURFACE WITHIN EACH ACCESS AISLE IN WHITE LETTERS A MINIMUM OF 12 INCHES (305 MM.) IN HEIGHT AND LOCATED TO BE VISIBLE FROM THE ADJACENT VEHICULAR WAY. ACCESS AISLE MARKINGS MAY EXTEND BEYOND THE MINIMUM REQUIRED LENGTH.
17. ACCESS AISLES SHALL NOT OVERLAP THE VEHICULAR WAY. ACCESS AISLES SHALL BE PERMITTED TO BE PLACED ON EITHER SIDE OF THE PARKING SPACE EXCEPT FOR VAN PARKING SPACES WHICH SHALL HAVE ACCESS AISLES LOCATED ON THE PASSENGER SIDE OF THE PARKING SPACES.

BUREAU OF ENGINEERING
CITY OF LOS ANGELES
ENGINEERING

BUREAU OF ENGINEERING

NO.	REVISIONS:	DATE:	BY:

BUILDING NO.

INDEX NO. RP 300094

LICENSED ARCHITECT
BRIAN CLARK PALI
C-19741
5/31/2017
RENEWAL DATE
STATE OF CALIFORNIA

BID SET SUBMITTAL

CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS

GARY LEE MOORE, PE, ENV SP CITY ENGINEER
DATE:
ARCHITECTURAL DIVISION LIC. NO. C-19741
ARCHITECT: ZOLTAN E. PALI, FAIA
DESIGNED BY: ZEP
DRAWN BY: AOS
CHECKED BY: SM
APPROVED BY: MAHMOOD KARIMZADEH, A.I.A., PRINCIPAL ARCHITECT

VERTICAL CONTROL:
HORIZONTAL CONTROL:

SHEET TITLE: ACCESSIBLE PARKING DETAILS

PROJECT: RANCHO CIENEGA SPORTS COMPLEX
ADDRESS: 5001 RODEO ROAD
LOS ANGELES, CA 90016

WORK ORDER NO. E1907694
PLAN FILE NO.
DRAWING NO. A-508
SHEET OF SHEETS

PLOTTED: 12/22/2016 4:25:39 PM

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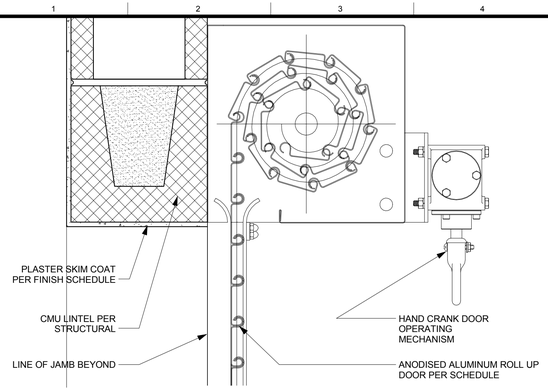
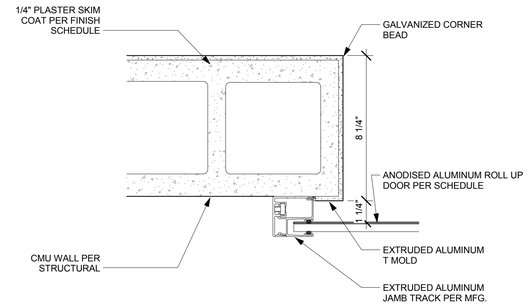
TEMPLATE SHEET REVISION DATE: 08/20/14
REVISION DATE: 10/24/2016 5:30 PM
FILE: Z:\14-018 RANCHO CIENEGA SPORTS COMPLEX\DRAWINGS\REVIT\LINKS-AUTOCAD\BOE_TITLEBLOCK_CD_90PERCENT.DWG

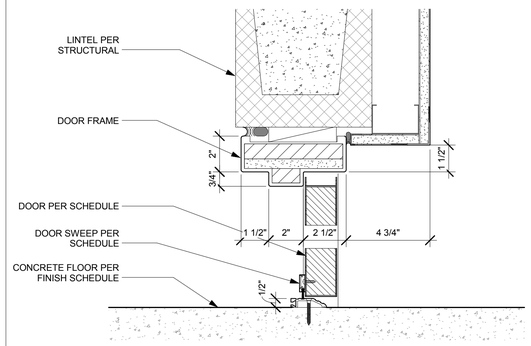
REVISION DATES (DESIGN STAGE ONLY)



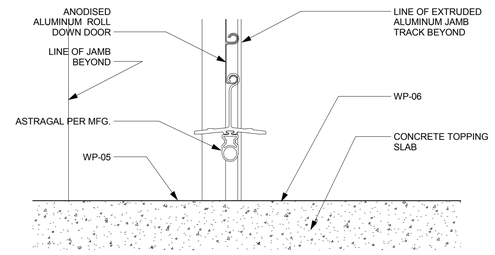
16 ROLL UP HEAD-SECTION, P127B
3" = 1'-0"



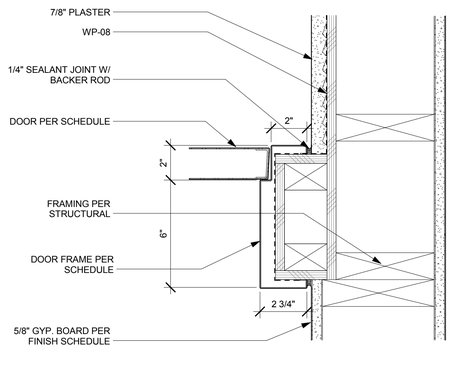
8 ROLL UP JAMB, P127B
3" = 1'-0"



4 FIBERGLASS HEAD AND SILL DETAIL @ CMU/PLAST
3" = 1'-0"



15 ROLL UP SILL AND HEAD, P127B
3" = 1'-0"



11 HOLLOW METAL JAMB @GWB/MTL/PLAST B
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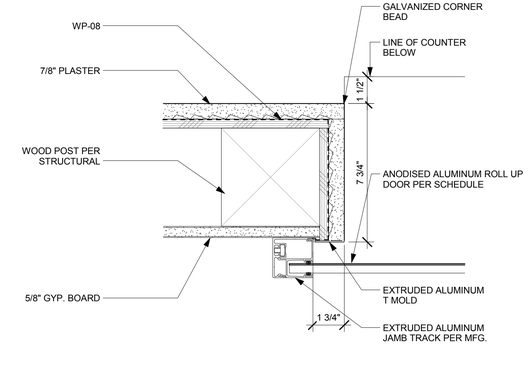

7 ROLL UP JAMB, STADIUM
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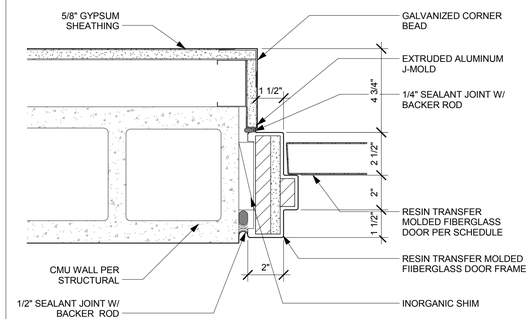

3 FIBERGLASS METAL JAMB DETAIL @ CMU/PLAST
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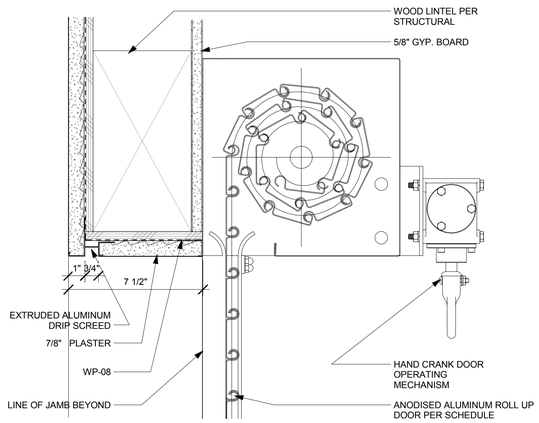
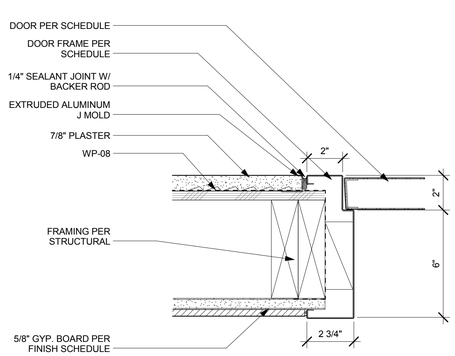


14 ROLL UP HEAD-SECTION, STADIUM
SCALE: 3" = 1'-0"



10 HOLLOW METAL JAMB @TILE/MTL/PLAST
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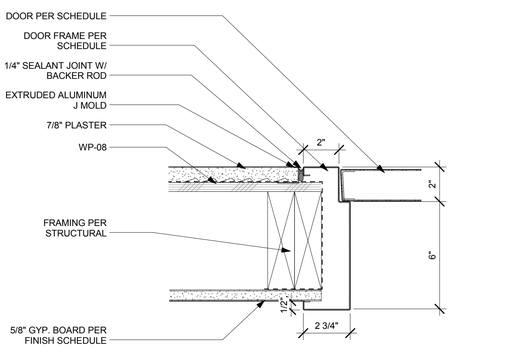
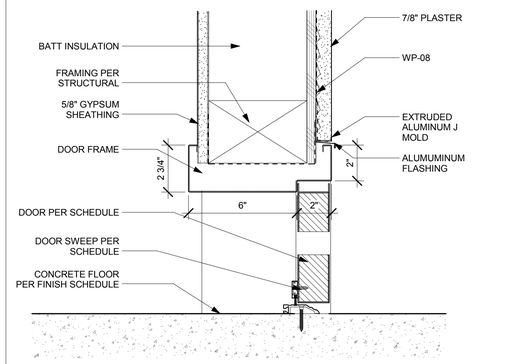
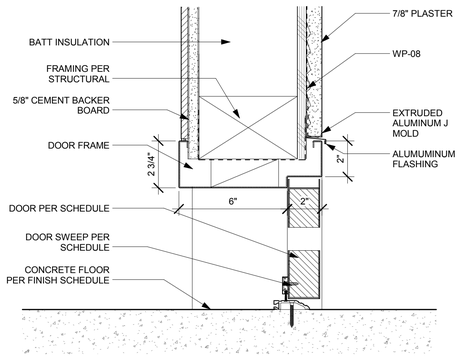


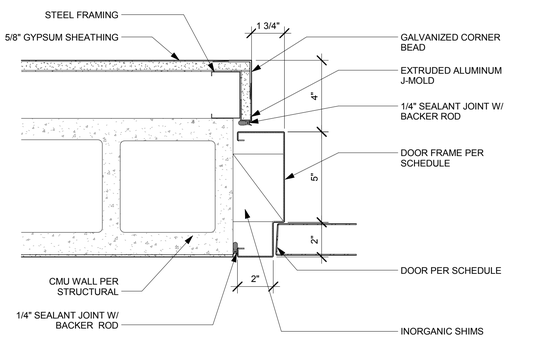
6 HOLLOW METAL JAMB @GWB/MTL/PLAST
3" = 1'-0"



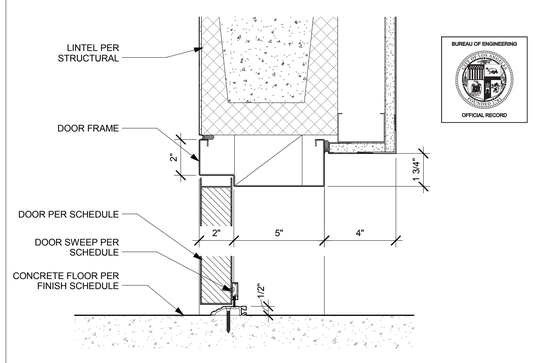
2 HOLLOW METAL HEAD AND SILL @ GWB/WD/PLAST
3" = 1'-0"



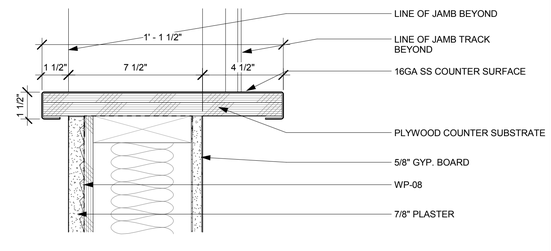
9 HOLLOW METAL HEAD AND SILL @ TILE/WD/PLAST
3" = 1'-0"



5 HOLLOW METAL JAMB @GWB/CMU/PLAST
3" = 1'-0"



1 HOLLOW METAL HEAD AND SILL @ GWB/CMU/PLAST
3" = 1'-0"



13 ROLL UP SILL, STADIUM
3" = 1'-0"

BUREAU OF ENGINEERING
OFFICIAL RECORD

REVISION DATES (DESIGN STAGE ONLY)

THE CITY OF LOS ANGELES OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF ELECTRONIC COPIES OF THIS PLAN SHEET.

TEMPLATE SHEET REVISION DATE: 08/20/14
REVISION DATE: 10/24/2016 5:30 PM
FILE: Z:\14-018 RANCHO CIENEGA SPORTS COMPLEX\DRAWINGS\REVITLINKS-AUTOCAD\BOE_TITLEBLOCK_CD_90PERCENT.DWG

BUREAU OF ENGINEERING
ENGINEERING
CITY OF LOS ANGELES

NO. REVISIONS: DATE: BY:

BUILDING NO.

INDEX NO. RP 300094

C-19741
5/31/2017
REG. EXP.
STATE OF CALIFORNIA

BID SET SUBMITTAL

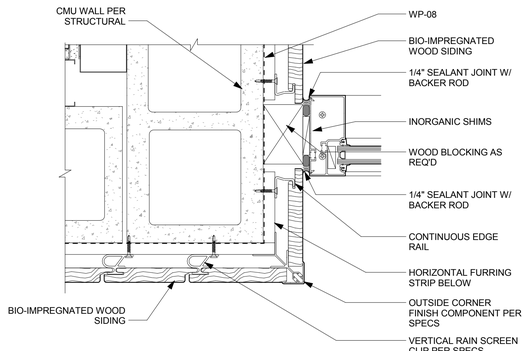
CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS

GARY LEE MOORE, PE, ENV SP CITY ENGINEER
DATE:
ARCHITECTURAL DIVISION
ARCHITECT: ZOLTAN E. PALI, FAIA LIC. NO. C-19741
DESIGNED BY: ZEP
DRAWN BY: AOS
CHECKED BY: SM
APPROVED BY: MAHMOOD KARIMZADEH, A.I.A., PRINCIPAL ARCHITECT

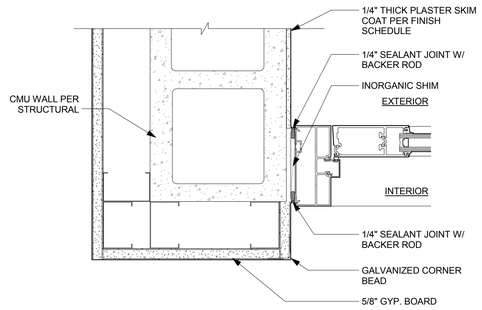
VERTICAL CONTROL:
HORIZONTAL CONTROL:
SHEET TITLE: EXTERIOR DOOR DETAILS
PROJECT: RANCHO CIENEGA SPORTS COMPLEX
ADDRESS: 5001 RODEO ROAD
LOS ANGELES, CA 90016

WORK ORDER NO. E1907694
PLAN FILE NO.
DRAWING NO. A-510
SHEET SHEETS
OF

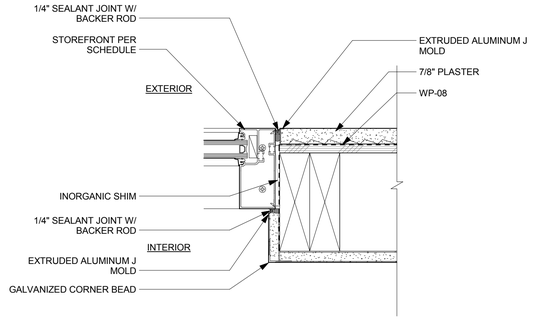
PLOTTED: 12/22/2016 4:25:43 PM



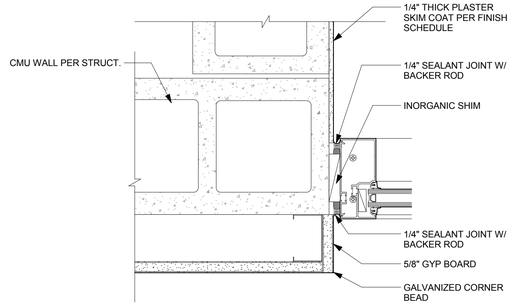
16 STOREFRONT JAMB @ P100C
3" = 1'-0"



12 STOREFRONT DOOR JAMB @ P205A, P202A
3" = 1'-0"



8 STOREFRONT JAMB @ P202A, P205A
3" = 1'-0"



4 STOREFRONT JAMB @ P124A, P124B
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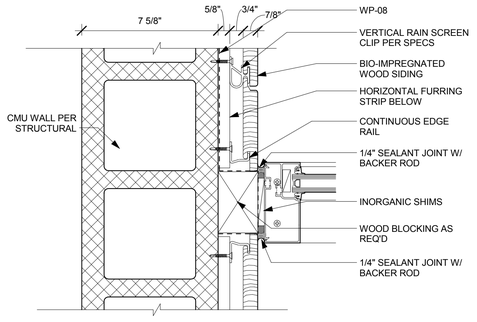

15 STOREFRONT JAMB @ P124F, P124E
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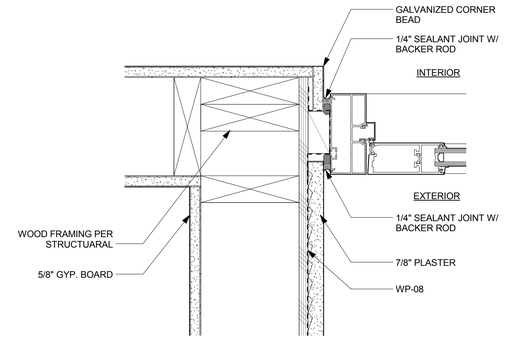
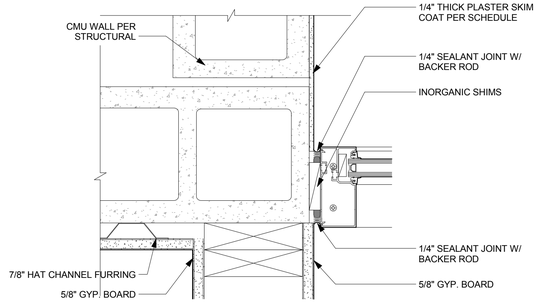


11 STOREFRONT JAMB DETAIL @ G106H, M
3" = 1'-0"



7 STOREFRONT JAMB @ G103A
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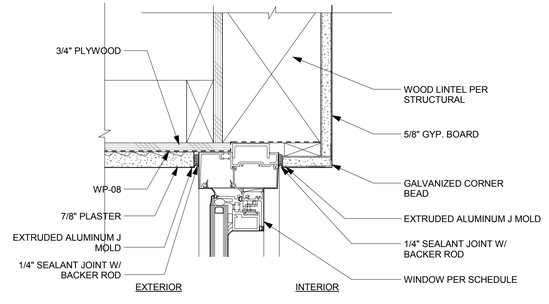

3 STOREFRONT HEAD @ G106, P124
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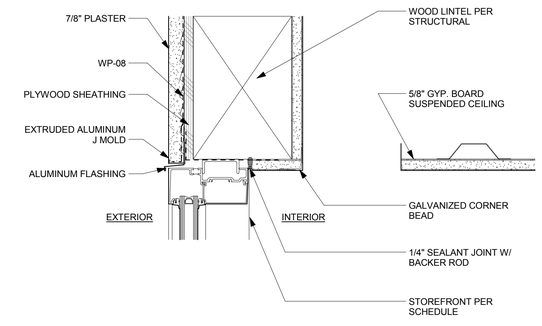
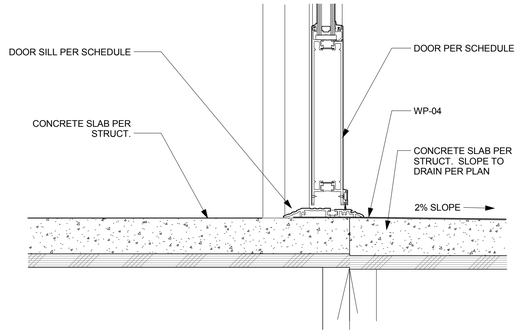


14 STOREFRONT HEAD @ P202A, P205A
3" = 1'-0"



10 STOREFRONT DOOR SILL @ G204A
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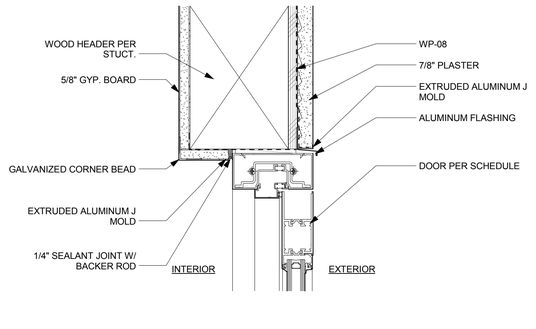

6 STOREFRONT DOOR HEAD DETAIL @ P124 + G106
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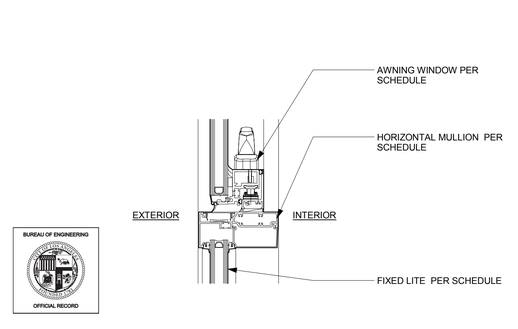
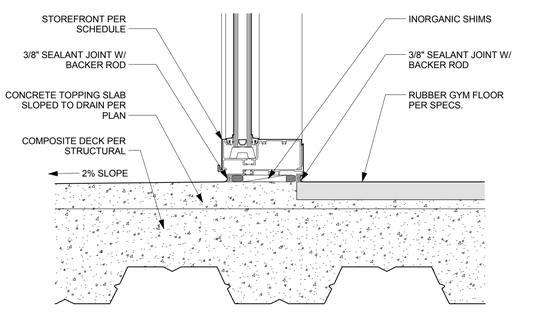
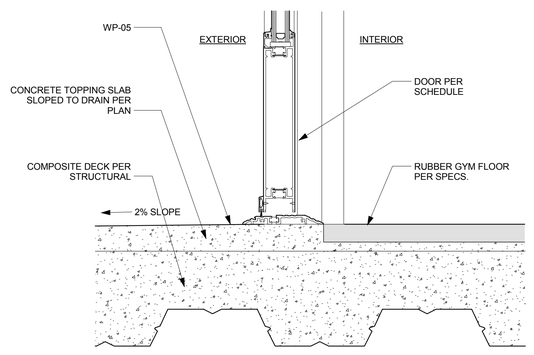


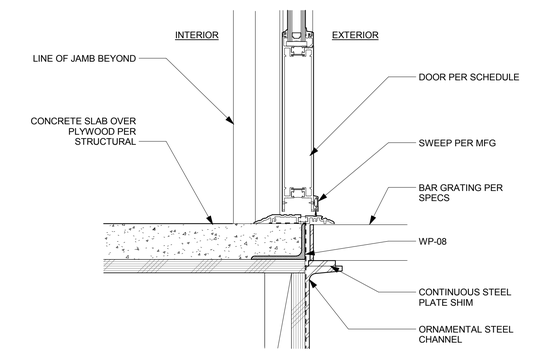
2 STOREFRONT WINDOW SILL AND HEAD DETAIL
3" = 1'-0"



13 STOREFRONT SILL @ @ P202A, P205A
3" = 1'-0"



9 STOREFRONT DR SILL @ P202A, P205A
3" = 1'-0"



5 STOREFRONT DOOR SILL @ G200A
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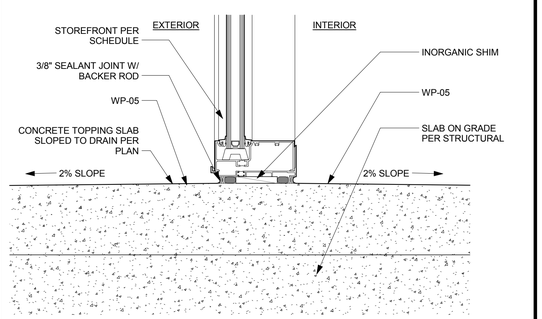

1 STOREFRONT SILL @ G106 + P124
3" = 1'-0"

BUREAU OF ENGINEERING
OFFICIAL RECORD

BID SET SUBMITTAL

CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS

BUREAU OF ENGINEERING

ENGINEERING
CITY OF LOS ANGELES

NO. REVISIONS: DATE: BY:

BUILDING NO.

INDEX NO. RP 300094

REGISTERED ARCHITECT GARY LEE MOORE C-19741 5/31/2017 RENEWAL DATE STATE OF CALIFORNIA

GARY LEE MOORE, PE, ENV SP CITY ENGINEER
ARCHITECTURAL DIVISION
LIC. NO. C-19741 DATE:

ARCHITECT: ZOLTAN E. PALI, FAIA
DESIGNED BY: ZEP
DRAWN BY: AOS
CHECKED BY: SM
APPROVED BY: MAHMOOD KARIMZADEH, A.I.A., PRINCIPAL ARCHITECT

VERTICAL CONTROL:
HORIZONTAL CONTROL:

SHEET TITLE: STOREFRONT DETAILS

PROJECT: RANCHO CIENEGA SPORTS COMPLEX

ADDRESS: 5001 RODEO ROAD
LOS ANGELES, CA 90016

WORK ORDER NO. E1907694
PLAN FILE NO.
DRAWING NO. A-512
SHEET OF SHEETS

PLOTTED: 12/22/2016 4:25:48 PM

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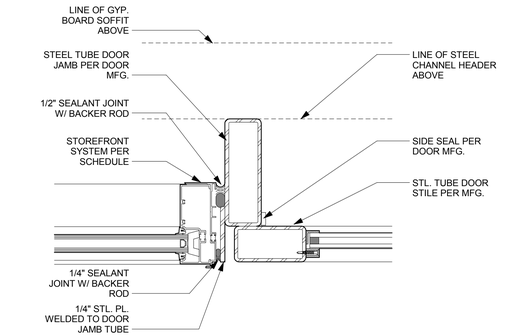
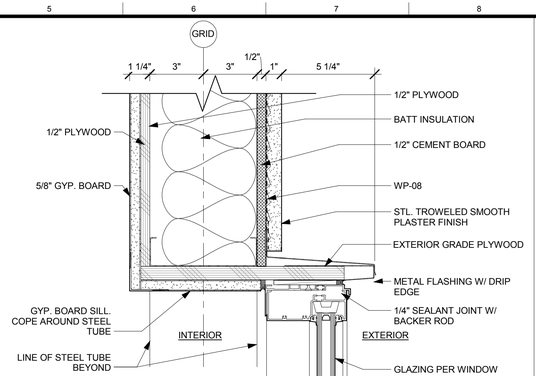
REVISION DATE: 10/24/2016 6:30 PM FILE: Z:\14-018 RANCHO CIENEGA SPORTS COMPLEX\DRAWINGS\REVIT\LINKS AUTOCAD\BOE_TITLEBLOCK_CD_90PERCENT.DWG

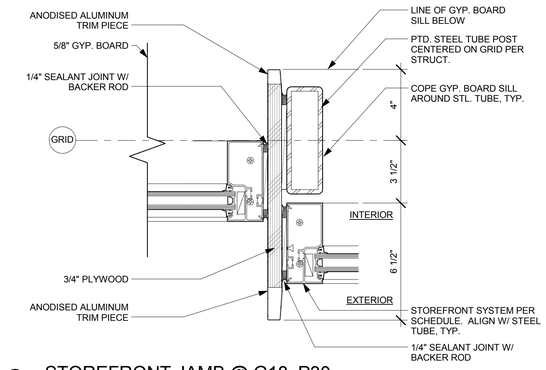
REVISION DATES: (DESIGN STAGE ONLY)



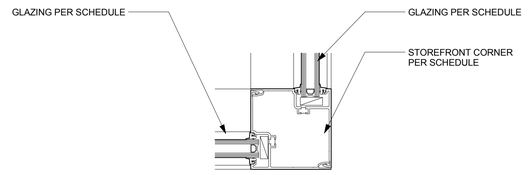
15 HYDRAULIC DOOR JAMB
SCALE: 3" = 1'-0"



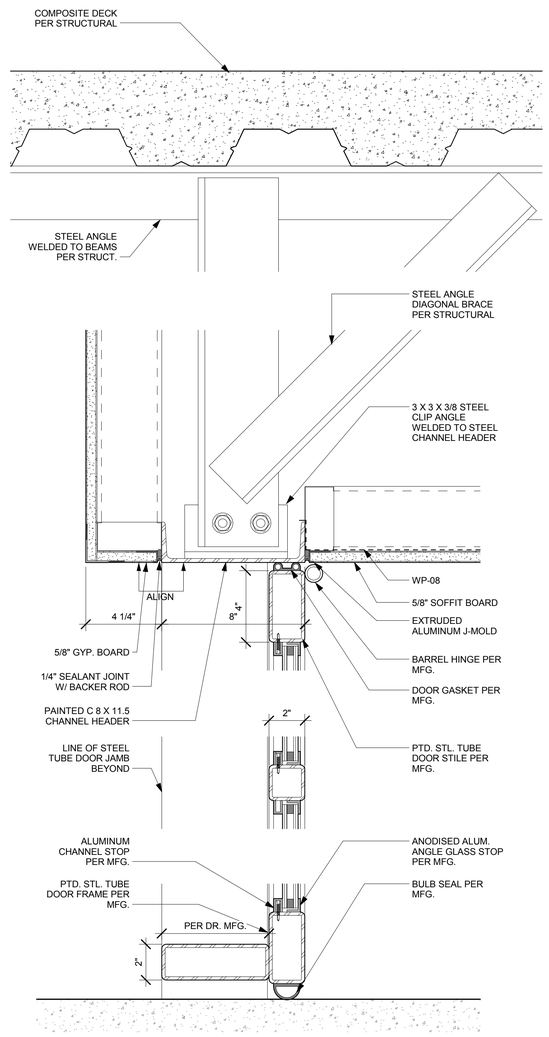
12 STOREFRONT HEAD @ G18, P20
SCALE: 3" = 1'-0"



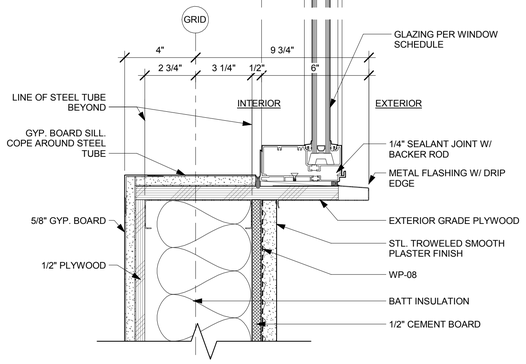
8 STOREFRONT JAMB @ G18, P30
SCALE: 3" = 1'-0"



4 STOREFRONT DOOR JAMB @ CORNER, TYP.
SCALE: 3" = 1'-0"



14 HYDRAULIC DOOR SILL AND HEAD
SCALE: 3" = 1'-0"



11 STOREFRONT SILL @ G18, P30
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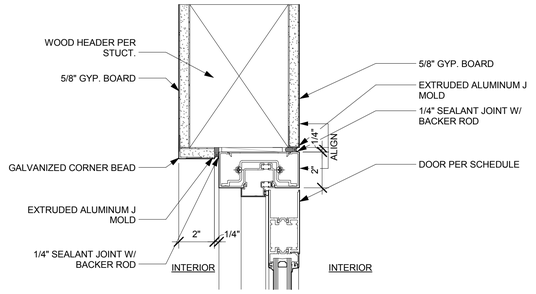
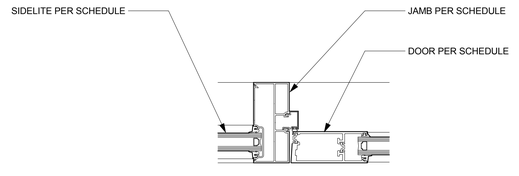
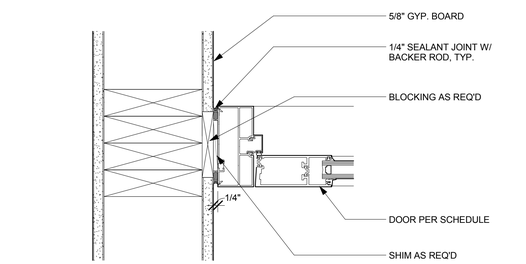


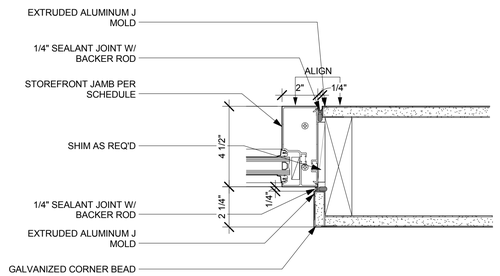
7 STOREFRONT DOOR HEAD DETAIL, GWB/WD/GWB
SCALE: 3" = 1'-0"



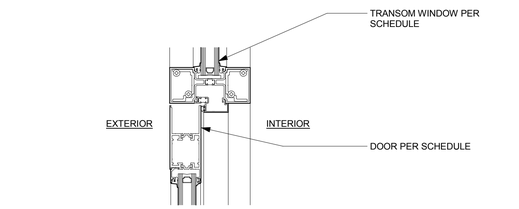
3 STOREFRONT DOOR JAMB W/ SIDELITE, TYP.
SCALE: 3" = 1'-0"



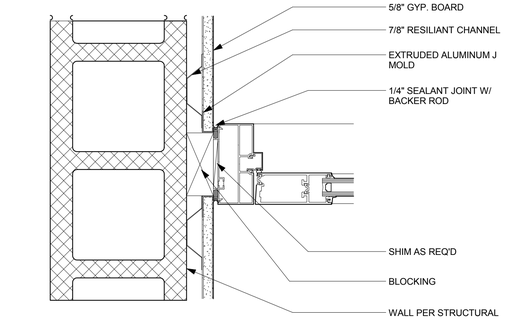
10 STOREFRONT DOOR JAMB @ G203A , G201C, G200B
SCALE: 3" = 1'-0"



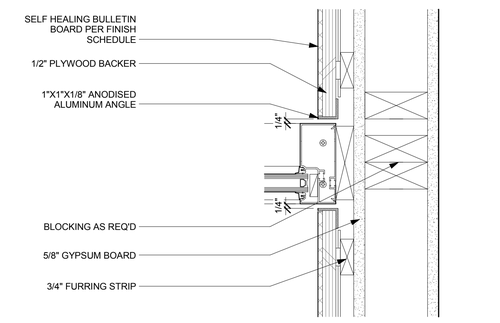
6 STOREFRONT JAMB @ G203A,G201C ,G200E
SCALE: 3" = 1'-0"



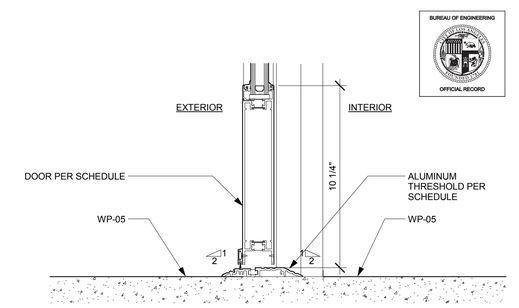
2 STOREFRONT DOOR HEAD DETAIL, TYP.
SCALE: 3" = 1'-0"



9 STOREFRONT DOOR JAMB @ P100B + E
SCALE: 3" = 1'-0"



5 STOREFRONT JAMB @ P100B + E
SCALE: 3" = 1'-0"



1 STOREFRONT SILL DETAIL TYP.
SCALE: 3" = 1'-0"

BID SET SUBMITTAL

CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS

BUREAU OF ENGINEERING

ENGINEERING
CITY OF LOS ANGELES

NO. REVISIONS: DATE: BY:

BUILDING NO.

INDEX NO. RP 300094

LICENSED ARCHITECT
ZOLTAN E. PALI
C-19741
5/31/2017
RENEW
STATE OF CALIFORNIA

CITY ENGINEER
GARY LEE MOORE, PE, ENV SP
ARCHITECTURAL DIVISION
DATE:
LIC. NO. C-19741
ARCHITECT: ZOLTAN E. PALI, FAIA
DESIGNED BY: ZEP
DRAWN BY: AOS
CHECKED BY: SM
APPROVED BY: MAHMOOD KARIMZADEH, A.I.A., PRINCIPAL ARCHITECT

VERTICAL CONTROL:
HORIZONTAL CONTROL:

SHEET TITLE: STOREFRONT DETAILS

PROJECT: RANCHO CIENEGA SPORTS COMPLEX

ADDRESS: 5001 RODEO ROAD
LOS ANGELES, CA 90016

WORK ORDER NO. E1907694
PLAN FILE NO.
DRAWING NO. A-513
SHEET SHEETS OF

PLOTTED: 12/22/2016 4:25:52 PM

REVISION DATES (DESIGN STAGE ONLY)

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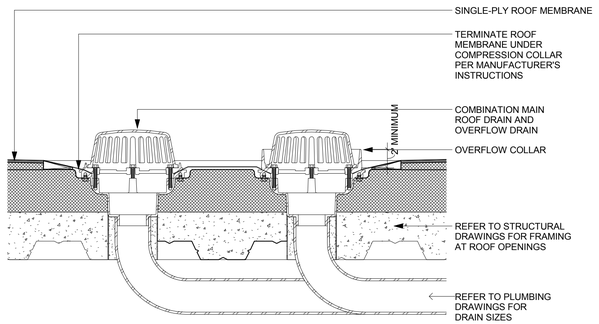
TEMPLATE SHEET REVISION DATE: 08/2014
REVISION DATE: 10/24/2016 5:30 PM FILE: Z:\14-018 RANCHO CIENEGA SPORTS COMPLEX\DRAWINGS\REVITLINKS\AUTOCAD\BOE_TITLEBLOCK_CD_90PERCENT.DWG



5 ROOF DRAIN DETAIL - TYPICAL
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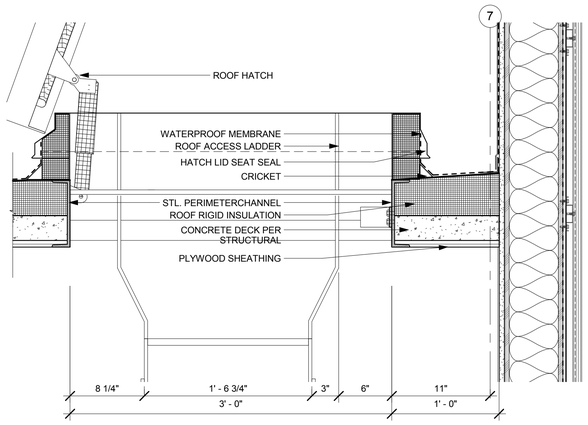

9 ROOF HATCH DETAIL
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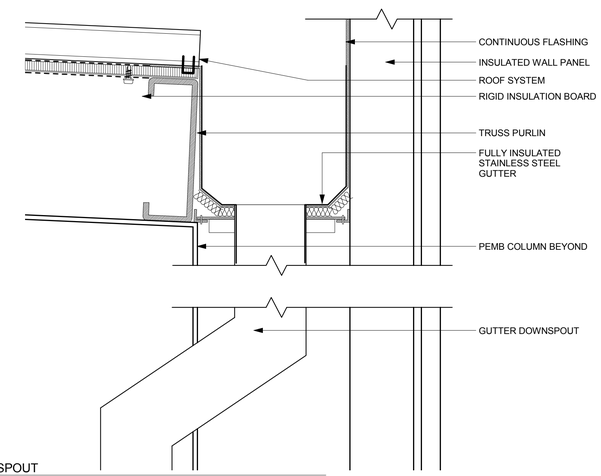

8 GUTTER DOWNSPOUT
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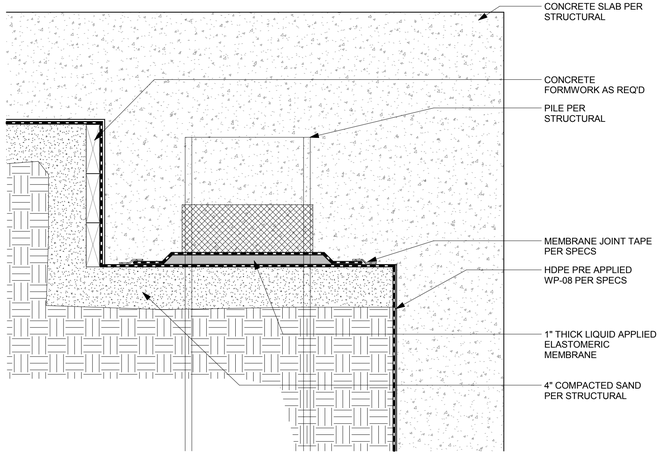
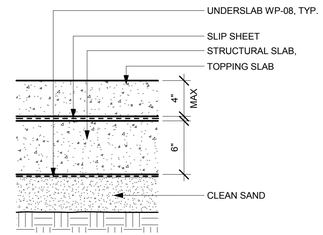


3 FOUNDATION WATERPROOFING @ POOL WALL TOP
1 1/2" = 1'-0"



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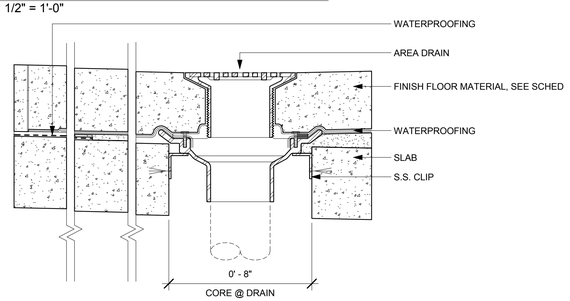
1 1/2" = 1'-0"



7 FLOOR DRAIN DETAIL - TYPICAL
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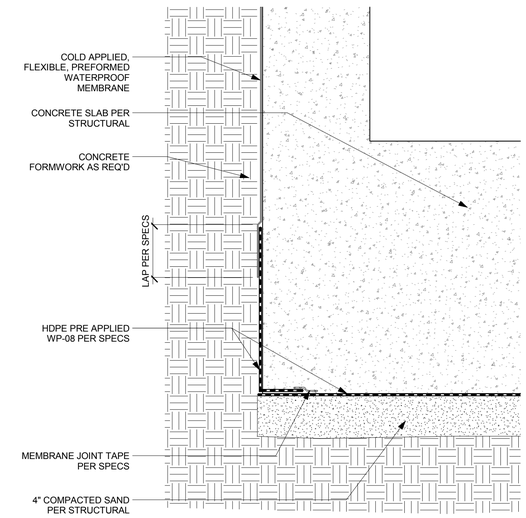

4 FOUNDATION WATERPROOFING @ POOL WALL BASE
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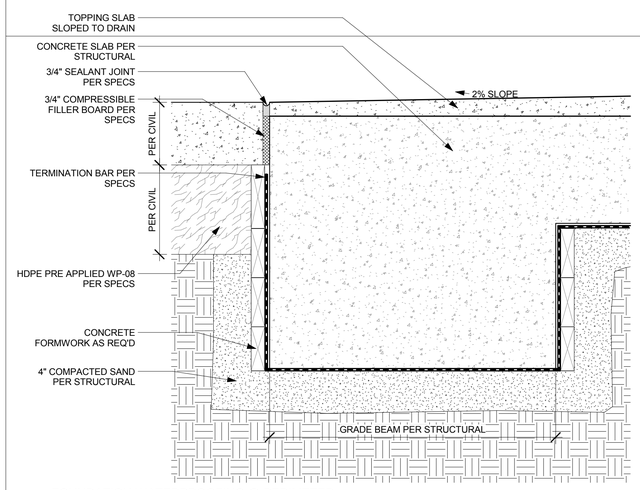

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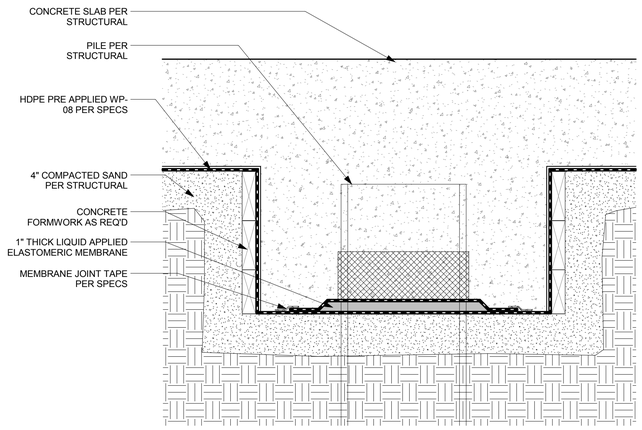

1 FOUNDATION WATERPROOFING @ PILE CAP
1 1/2" = 1'-0"

BUREAU OF ENGINEERING
OFFICIAL RECORD

ENGINEERING
CITY OF LOS ANGELES

BUREAU OF ENGINEERING

NO.	REVISIONS:	DATE	BY:

BUILDING NO.
XX/XX

INDEX NO. -
RP 300094

REGISTERED PROFESSIONAL ENGINEER
CHRISTOPHER M. WINDLE
No. C 21317
REN. 5/31/2017
STATE OF CALIFORNIA

CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS

GARY LEE MOORE, PE, ENV SP CITY ENGINEER
ACCEPTED BY:
DATE

DEPUTY ENGINEER / PROGRAM MANAGER
CITY ENGINEER
DATE

VERTICAL CONTROL:
HORIZONTAL CONTROL:

SHEET TITLE: WATERPROOFING DETAILS

PROJECT: RANCHO CIENEGA SPORTS COMPLEX

ADDRESS: 5001 RODEO ROAD
LOS ANGELES, CA 90016

WORK ORDER NO.
E1907694

PLAN FILE NO.

DRAWING NO.
A-520

SHEET OF SHEETS

PLOTTED: 12/22/2016 4:25:57 PM

REVISION DATES (DESIGN STAGE ONLY)

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REVISION DATE: 12/6/2016 11:34 AM
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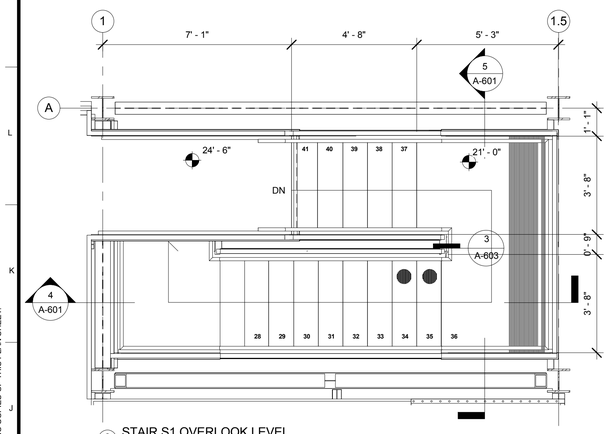
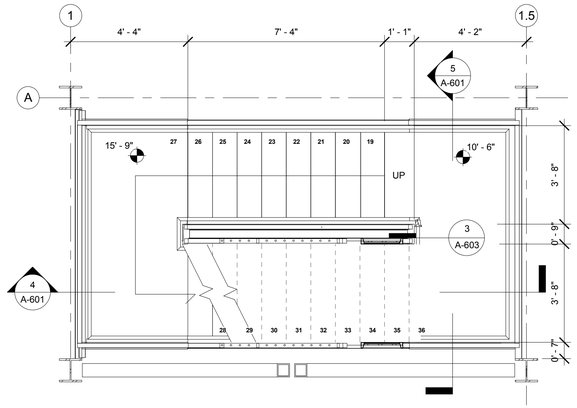
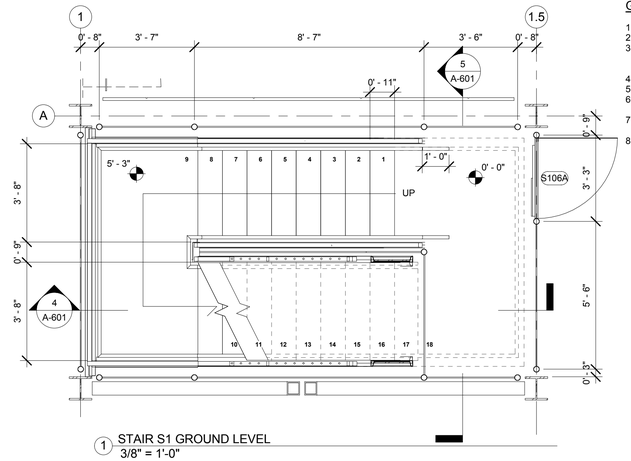
THE CITY OF LOS ANGELES OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF ELECTRONIC COPIES OF THIS PLAN SHEET.



3 STAIR S1 OVERLOOK LEVEL
3/8" = 1'-0"



2 STAIR S1 MID LEVEL
3/8" = 1'-0"



1 STAIR S1 GROUND LEVEL
3/8" = 1'-0"

GENERAL NOTES

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2. ALL DIMENSIONS ARE TO FACE OF FINISH UNLESS OTHERWISE NOTED.
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5. SEE SHEET A-920/A-921/A-922/A-923 FOR WINDOW SCHEDULE.
6. PROVIDE ANTI-GRAFFITI COATING @ ALL EXTERIOR WALLS. AGC TO BE APPLIED TO TOP OF FIRST FLOOR WALLS. SEE SECTION 09 86 00
7. ALL EXPOSED STEEL (EXTERIOR AND INTERIOR) TO BE PAINTED W/ HIGH PERFORMANCE COATING.
8. SEE A-300 FOR PEMB DESIGN/BUILD SCOPE

SECTION KEYNOTES

1. PRE-ENGINEERED METAL BUILDING FRAME PER STRUCTURAL
2. STEEL FRAMING PER STRUCTURAL
3. CORRUGATED FOAMED INSULATION CORE METAL WALL PANEL
4. CORRUGATED METAL WALL PANEL
5. METAL ROOF PANEL WITH RIGID INSULATION BOARD CORE
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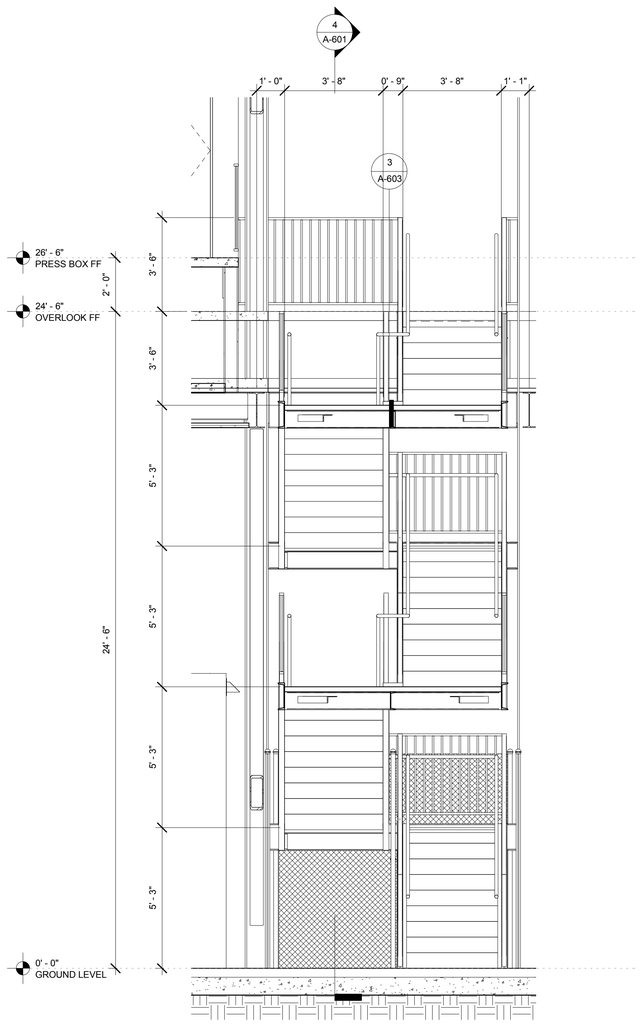
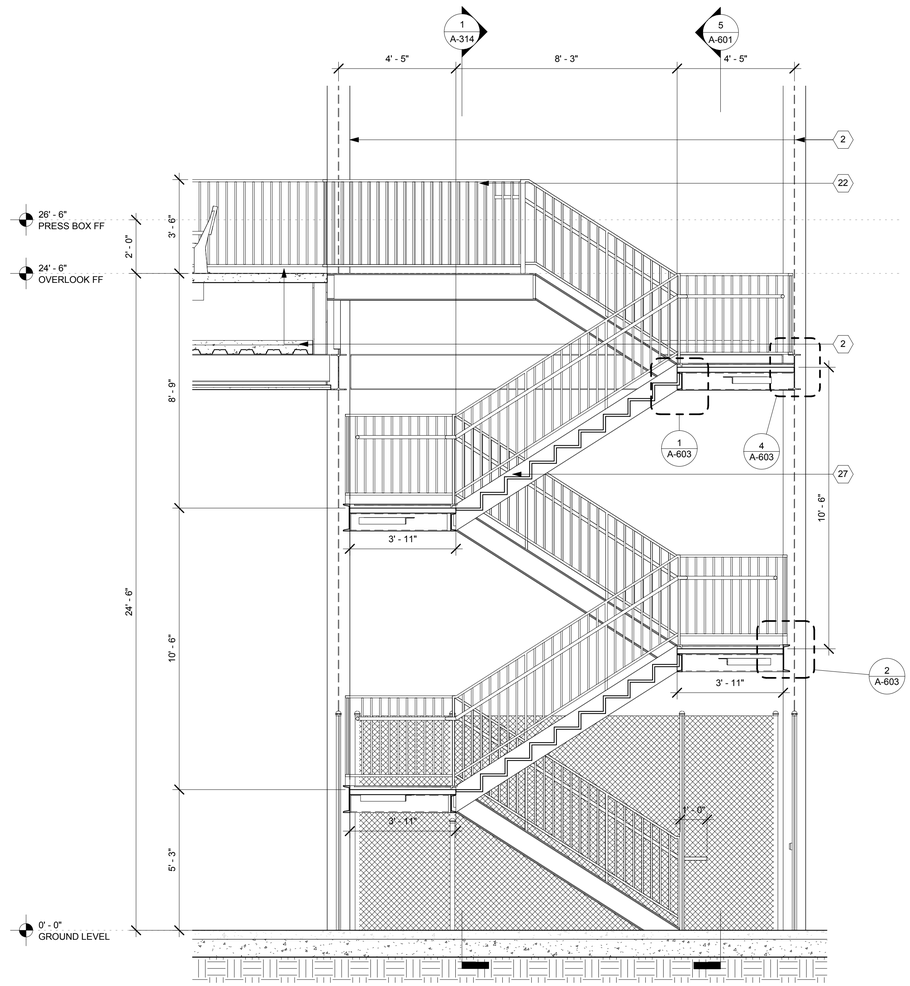
28. SELF-HEALING BULLETIN BOARD MATERIAL
29. ALUM. REVEAL
30. METAL PANEL
31. ROOF LADDER ACCESS
32. GYM DIVIDER CURTAIN



5 STAIR S2 CROSS SECTION
3/8" = 1'-0"



4 STAIR S1 SECTION
3/8" = 1'-0"

BUREAU OF ENGINEERING
OFFICIAL RECORD

N

BUREAU OF ENGINEERING
CITY OF LOS ANGELES

BUILDING NO.

INDEX NO. RP 300094

NO. REVISIONS: DATE: BY:

LICENSED ARCHITECT
JOHN E. PALI
C-19741
5/31/2017
RENEWAL DATE
STATE OF CALIFORNIA

BID SET SUBMITTAL

CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS

GARY LEE MOORE, PE, ENV SP CITY ENGINEER DATE:

ARCHITECTURAL DIVISION LIC. NO. C-19741

ARCHITECT: ZOLTAN E. PALI, FAIA

DESIGNED BY: ZEP

DRAWN BY: AOS

CHECKED BY: SM

APPROVED BY: MAHMOOD KARIMZADEH, A.I.A., PRINCIPAL ARCHITECT

VERTICAL CONTROL:

HORIZONTAL CONTROL:

SHEET TITLE: STADIUM STAIR S1 PLANS AND SECTION

PROJECT: RANCHO CIENEGA SPORTS COMPLEX

ADDRESS: 5001 RODEO ROAD
LOS ANGELES, CA 90016

WORK ORDER NO. E1907694

PLAN FILE NO.

DRAWING NO. A-601

SHEET OF SHEETS

PLOTTED: 12/22/2016 4:26:05 PM

REVISION DATES (DESIGN STAGE ONLY)

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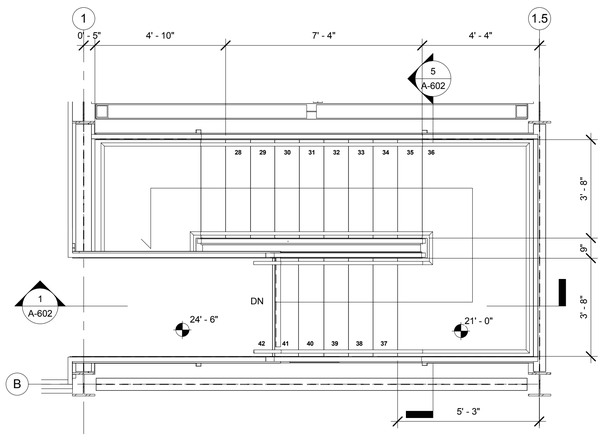
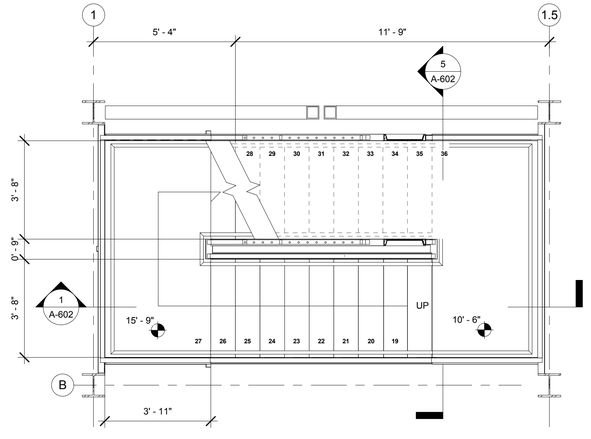
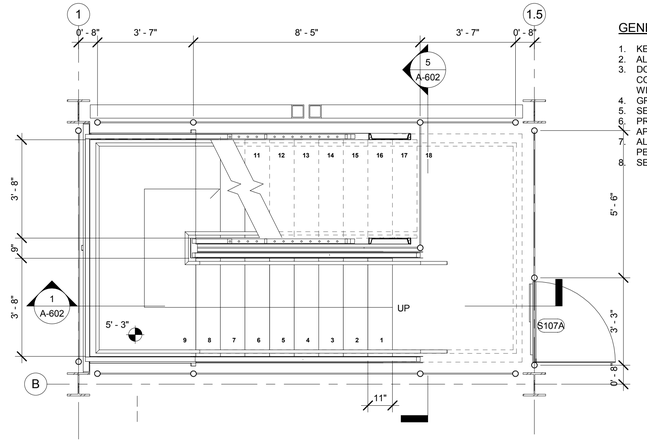


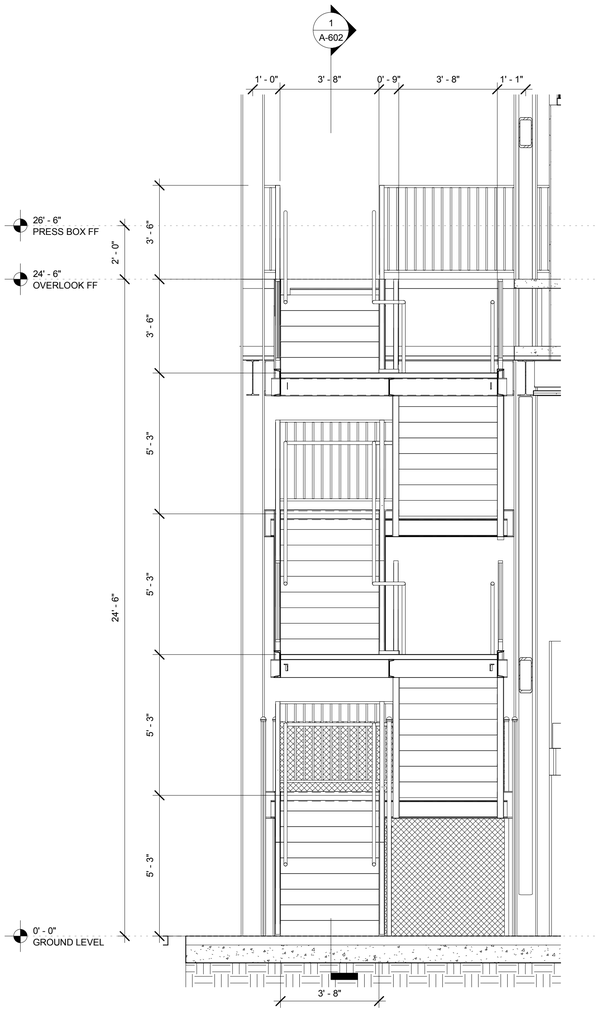
4 STAIR S2 OVERLOOK LEVEL
3/8" = 1'-0"



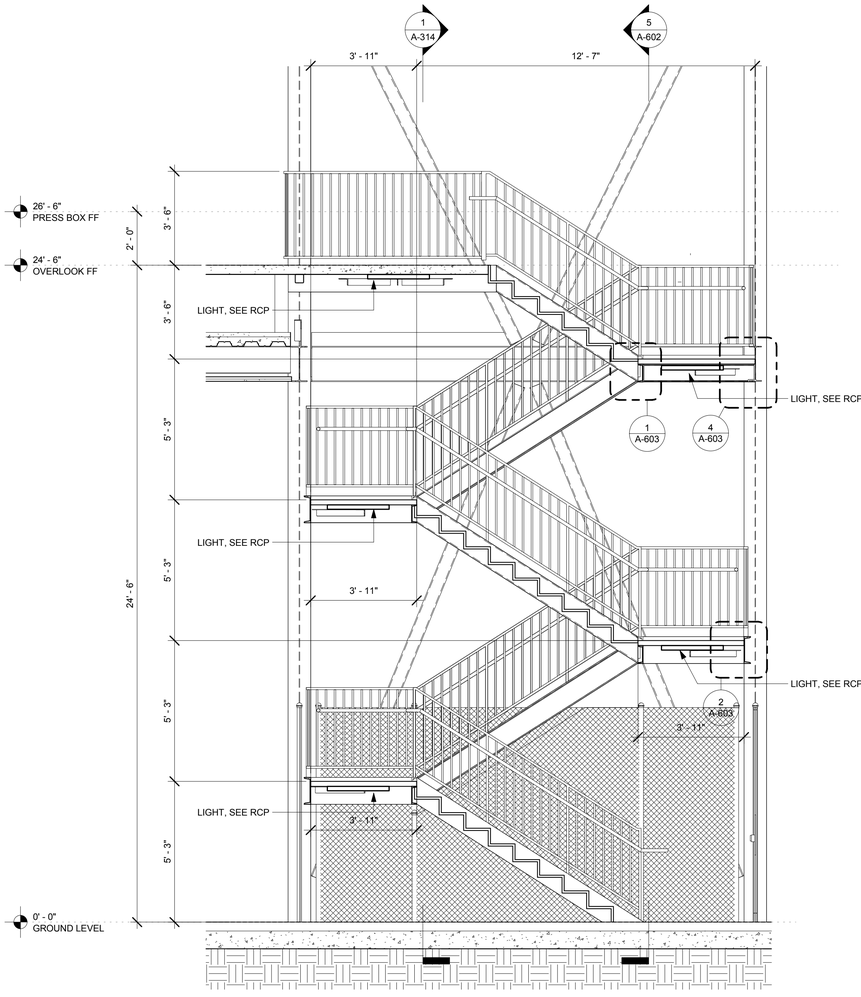
3 STAIR S2 MID LEVEL
3/8" = 1'-0"



2 STAIR S2 GROUND LEVEL
3/8" = 1'-0"



5 STAIR S1 CROSS SECTION
3/8" = 1'-0"



1 STAIR S2 SECTION
3/8" = 1'-0"

GENERAL NOTES

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2. ALL DIMENSIONS ARE TO FACE OF FINISH UNLESS OTHERWISE NOTED.
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29. ALUM. REVEAL
30. METAL PANEL
31. ROOF LADDER ACCESS
32. GYM DIVIDER CURTAIN

BUREAU OF ENGINEERING
OFFICIAL RECORD

BID SET SUBMITTAL

CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS

BUREAU OF ENGINEERING

ENGINEERING
CITY OF LOS ANGELES

NO. REVISIONS: DATE: BY:

BUILDING NO.

INDEX NO. RP 300094

LICENSED ARCHITECT
JOHN E. PALI
C-19741
5/31/2017
STATE OF CALIFORNIA

CITY ENGINEER
DATE:

GARY LEE MOORE, PE, ENV SP

ARCHITECTURAL DIVISION
LIC. NO. C-19741

ARCHITECT: ZOLTAN E. PALI, FAIA
DESIGNED BY: ZEP
DRAWN BY: AOS
CHECKED BY: SM
APPROVED BY: MAHMOOD KARIMZADEH; A.I.A., PRINCIPAL ARCHITECT

VERTICAL CONTROL:
HORIZONTAL CONTROL:

SHEET TITLE: STADIUM STAIR S2 PLANS AND SECTION

PROJECT: RANCHO CIENEGA SPORTS COMPLEX

ADDRESS: 5001 RODEO ROAD
LOS ANGELES, CA 90016

WORK ORDER NO.
E1907694

PLAN FILE NO.

DRAWING NO.
A-602

SHEET OF SHEETS

PLOTTED: 12/22/2016 4:26:13 PM

REVISION DATES (DESIGN STAGE ONLY)

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REVISION DATE: 10/24/2016 5:30 PM
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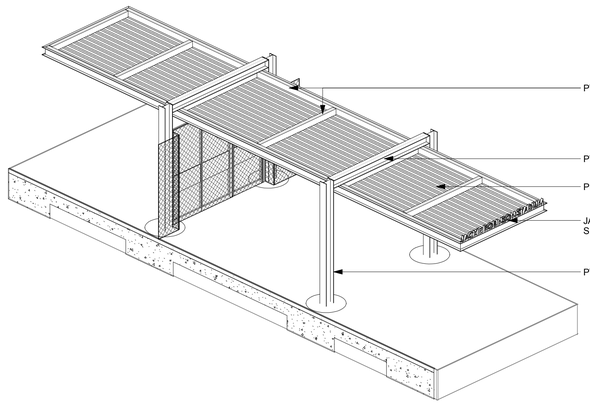
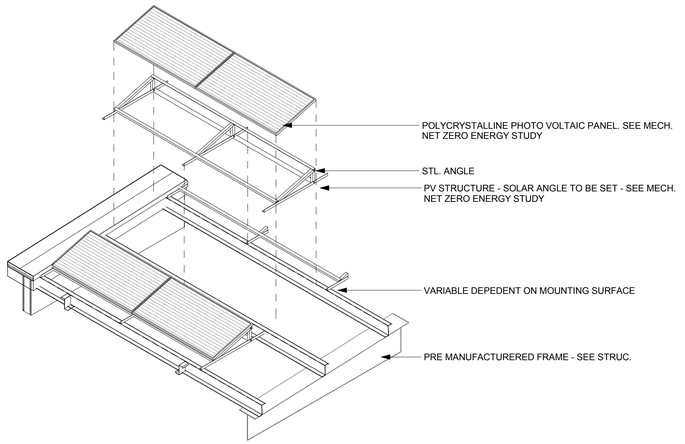
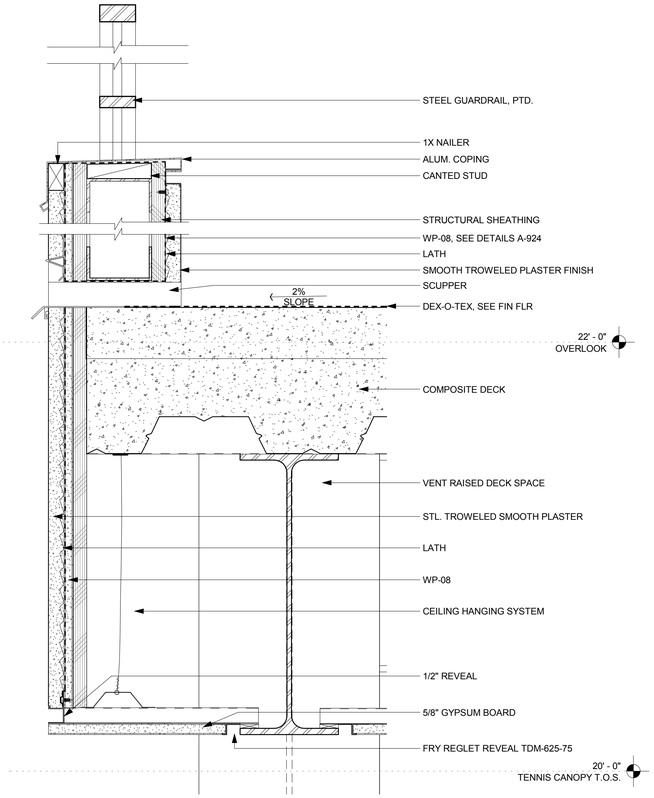


8 STADIUM ENTRY CANOPY AXON



7 SOLAR PANEL AXON - TYPICAL



5 SECTION THRU STADIUM OVERLOOK - SCUPPER DRAIN
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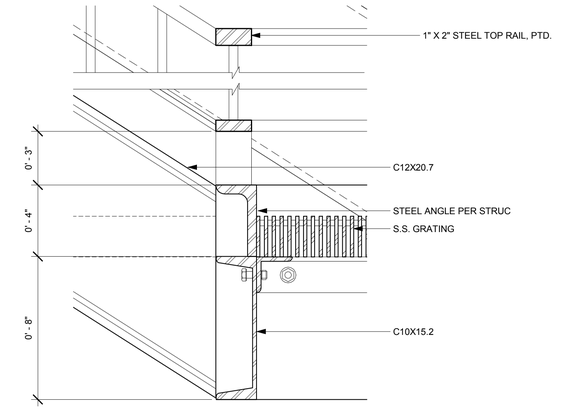
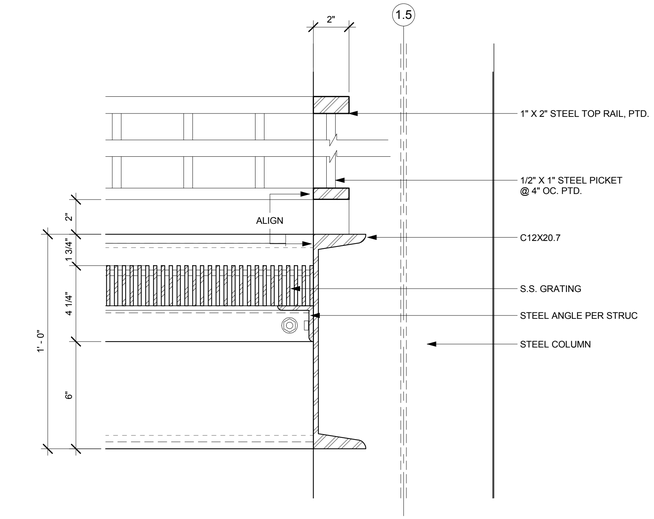
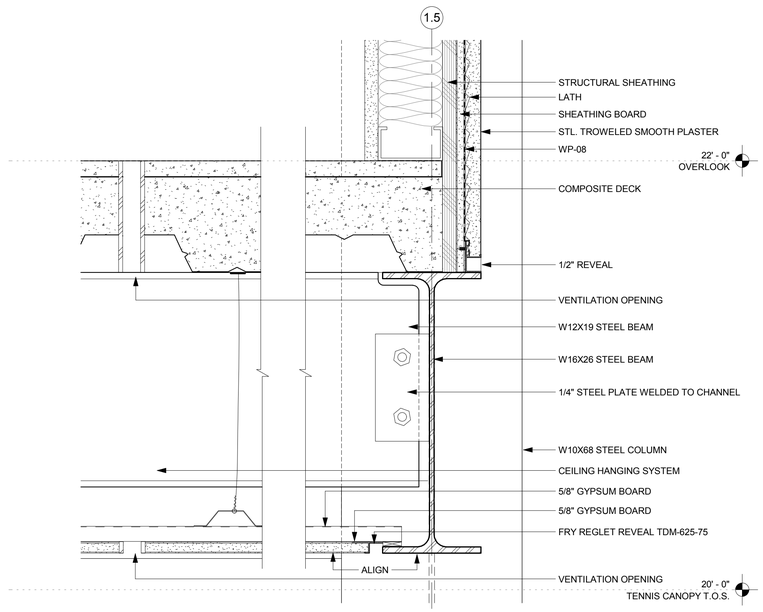


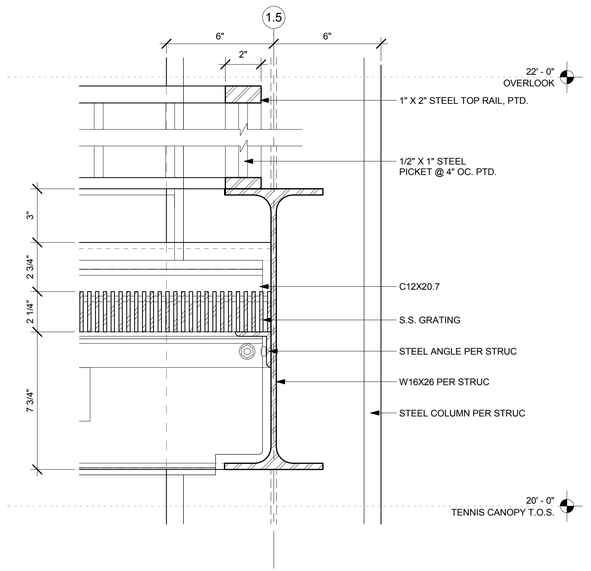
3 STADIUM STAIR INNER STRINGER
3" = 1'-0"



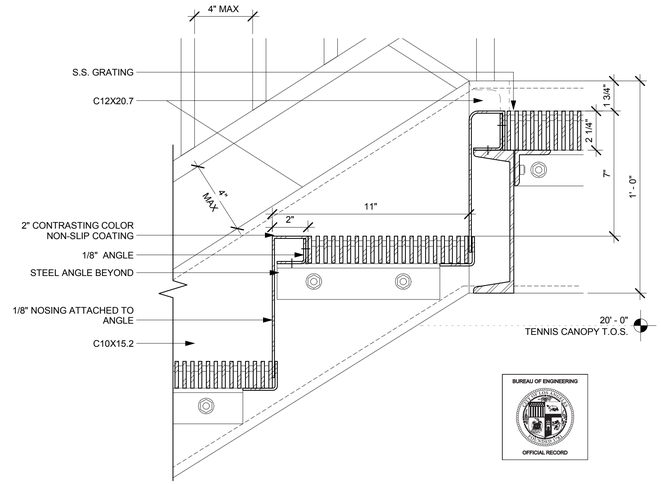
2 STADIUM STAIR LANDING TO C-CHANNEL BEAM DETAIL
3" = 1'-0"



6 STADIUM OVERLOOK BEAM
3" = 1'-0"



4 STADIUM STAIR LANDING TO WIDE FLANGE BEAM DETAIL
3" = 1'-0"



1 STADIUM STAIR TREAD DETAIL
3" = 1'-0"

BUREAU OF ENGINEERING
OFFICIAL RECORD

BID SET SUBMITTAL

CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS

BUREAU OF ENGINEERING

ENGINEERING
CITY OF LOS ANGELES

NO.	REVISIONS:	DATE:	BY:

BUILDING NO.

INDEX NO. RP 300094

LICENSED ARCHITECT JOHN E. PALI C-19741 5/31/2017 STATE OF CALIFORNIA

GARY LEE MOORE, PE, ENV SP CITY ENGINEER
LIC. NO. C-19741 DATE:

ARCHITECTURAL DIVISION
ARCHITECT: ZOLTAN E. PALI, FAIA
DESIGNED BY: ZEP
DRAWN BY: AOS
CHECKED BY: SM
APPROVED BY: MAHMOOD KARIMZADEH, A.I.A., PRINCIPAL ARCHITECT

VERTICAL CONTROL:
HORIZONTAL CONTROL:

SHEET TITLE: STADIUM DETAILS

PROJECT: RANCHO CIENEGA SPORTS COMPLEX

ADDRESS: 5001 RODEO ROAD
LOS ANGELES, CA 90016

WORK ORDER NO. E1907694
PLAN FILE NO.
DRAWING NO. A-603
SHEET OF SHEETS

PLOTTED: 12/22/2016 4:26:19 PM

REVISION DATES (DESIGN STAGE ONLY)

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REVISION DATE: 10/24/2016 5:30 PM
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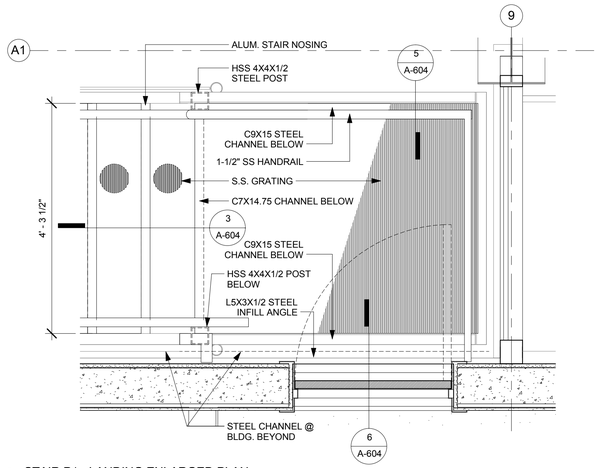
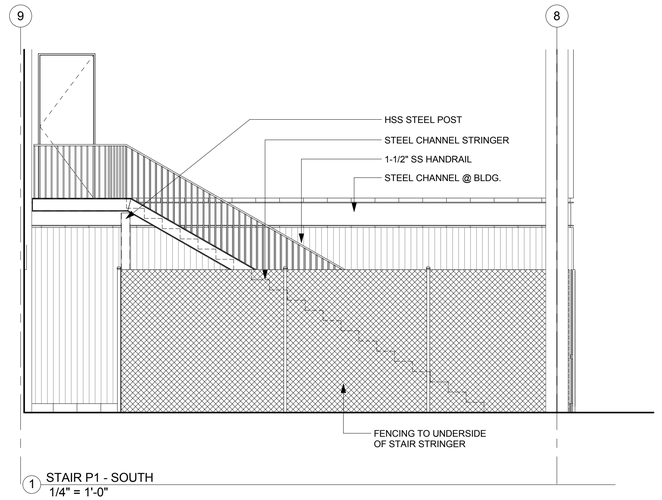
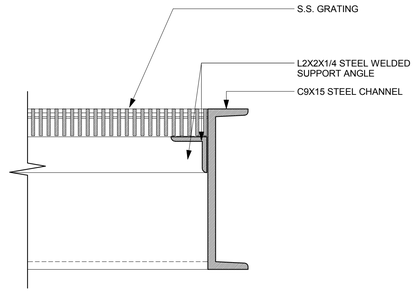


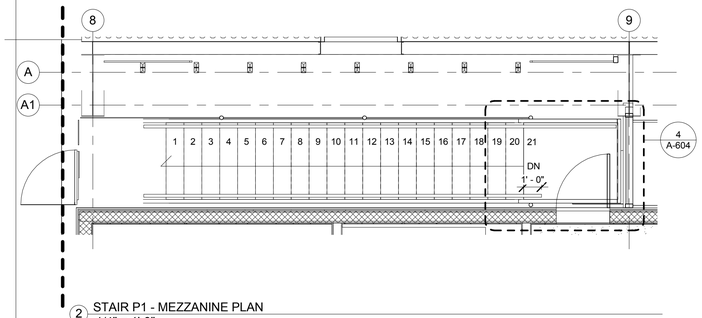
4 STAIR P1 - LANDING ENLARGED PLAN
3/4" = 1'-0"



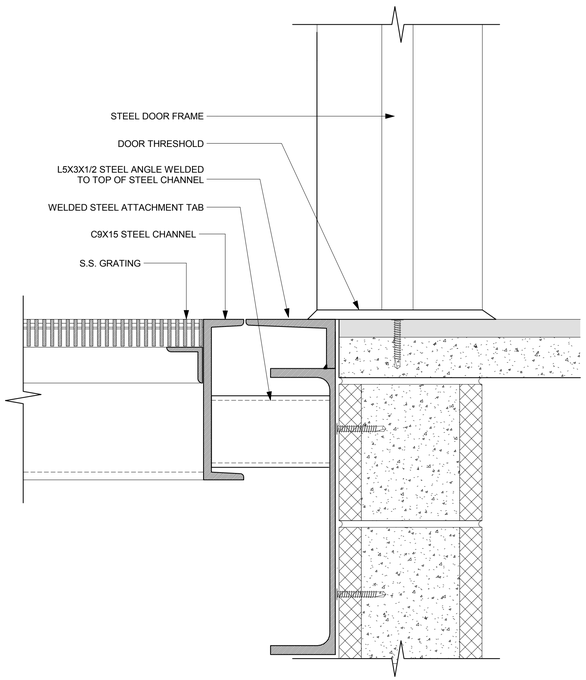
1 STAIR P1 - SOUTH
1/4" = 1'-0"



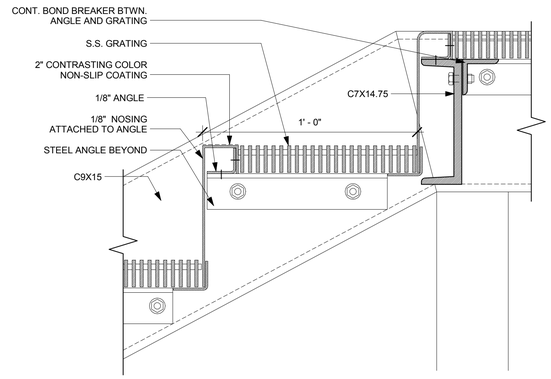
5 EDGE DETAIL @ STAIR LANDING
3" = 1'-0"



2 STAIR P1 - MEZZANINE PLAN
1/4" = 1'-0"



6 LANDING @ BUILDING EDGE
3" = 1'-0"



3 STAIR TREAD DETAIL
3" = 1'-0"

BUREAU OF ENGINEERING
OFFICIAL RECORD

BID SET SUBMITTAL

CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS
BUREAU OF ENGINEERING

ENGINEERING
CITY OF LOS ANGELES

DATE: BY:
NO. REVISIONS:

BUILDING NO.

INDEX NO. RP 300094

LICENSED ARCHITECT
ZOLTAN E. PALI
C-19741
5/31/2017
RENEWAL DATE
STATE OF CALIFORNIA

VERTICAL CONTROL:
HORIZONTAL CONTROL:

SHEET TITLE: EXTERIOR STAIR P1

PROJECT: RANCHO CIENEGA SPORTS COMPLEX

ADDRESS: 5001 RODEO ROAD
LOS ANGELES, CA 90016

GARY LEE MOORE, PE, ENV SP CITY ENGINEER DATE:

ARCHITECT: ZOLTAN E. PALI, FAIA LIC. NO. C-19741
ARCHITECTURAL DIVISION

DESIGNED BY: ZEP
DRAWN BY: AOS
CHECKED BY: SM
APPROVED BY: MAHMOOD KARIMZADEH, A.I.A., PRINCIPAL ARCHITECT

WORK ORDER NO.
E1907694

PLAN FILE NO.

DRAWING NO.
A-604

SHEET OF SHEETS

REVISION DATES
(DESIGN STAGE ONLY)

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REVISION DATE: 10/24/2016 5:30 PM FILE: Z:\14-018 RANCHO CIENEGA SPORTS COMPLEX\DRAWINGS\REVIT\LINKS\AUTOCAD\BOE_TITLEBLOCK_CD_90PERCENT.DWG

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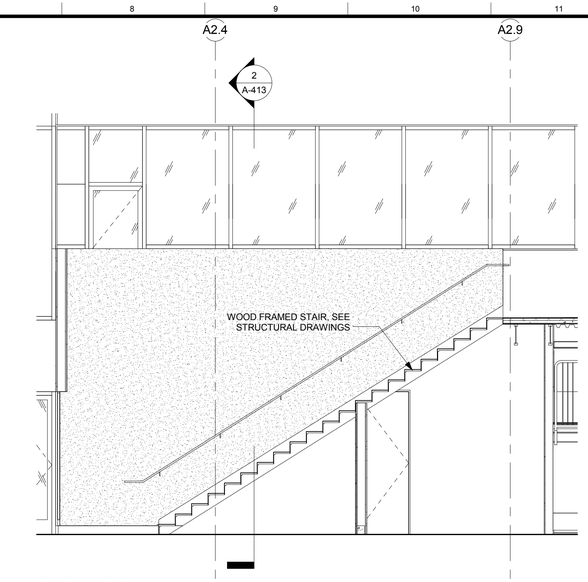
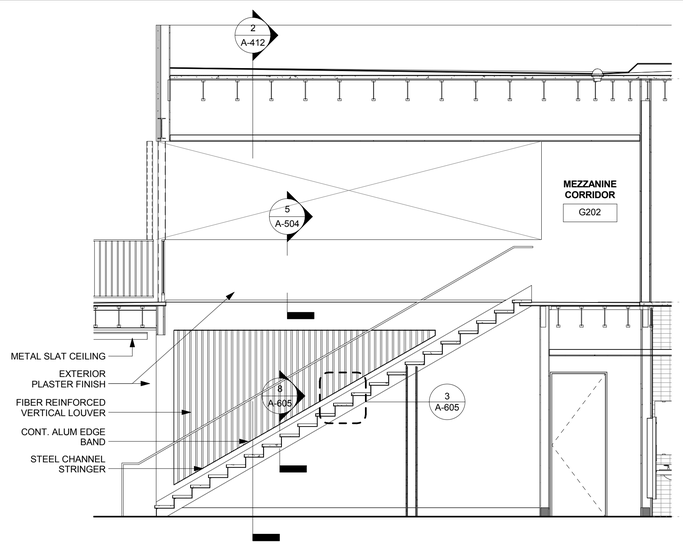
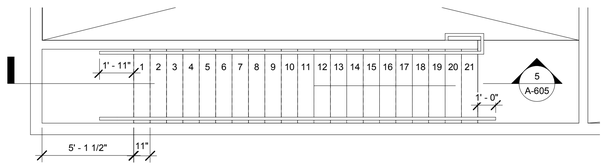


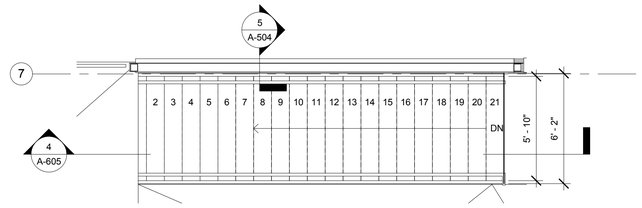
5 STAIR G2 SECTION
1/4" = 1'-0"



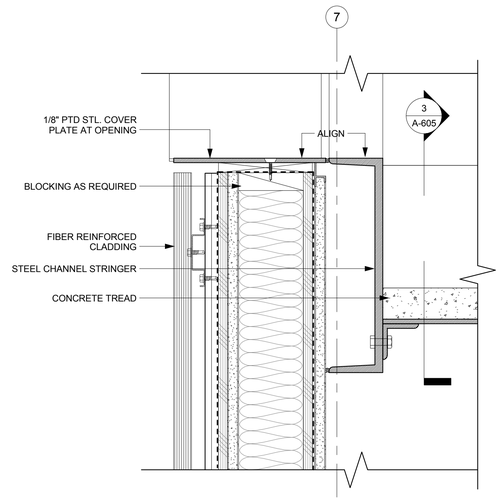
4 STAIR G1 SECTION
1/4" = 1'-0"



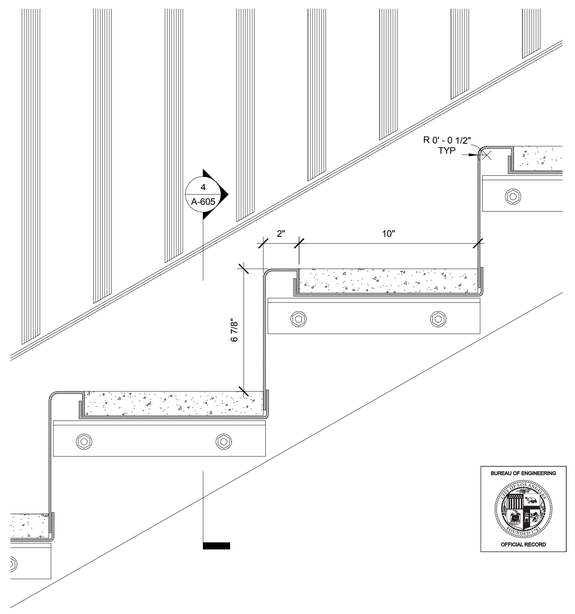
2 STAIR G2 - PLAN
1/4" = 1'-0"



1 STAIR G1 - PLAN
1/4" = 1'-0"



8 STAIG G1 STEEL CHANNEL
3" = 1'-0"



3 CONCRETE PAN TREAD DETAIL
3" = 1'-0"

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CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS

BUREAU OF ENGINEERING

ENGINEERING
CITY OF LOS ANGELES

NO.	REVISIONS:	DATE:	BY:

BUILDING NO.

RP 300094

INDEX NO.

LICENSED ARCHITECT ZOLTAN E. PALI C-19741 5/31/2017 STATE OF CALIFORNIA

CITY ENGINEER
GARY LEE MOORE, PE, ENV SP
ARCHITECTURAL DIVISION
LIC. NO. C-19741
DATE:

ARCHITECT: ZOLTAN E. PALI, FAIA
DESIGNED BY: ZEP
DRAWN BY: AOS
CHECKED BY: SM
APPROVED BY: MAHMOOD KARIMZADEH, A.I.A., PRINCIPAL ARCHITECT

VERTICAL CONTROL:
HORIZONTAL CONTROL:

SHEET TITLE: EXTERIOR STAIR G1 AND G2

PROJECT: RANCHO CIENEGA SPORTS COMPLEX

ADDRESS: 5001 RODEO ROAD
LOS ANGELES, CA 90016

WORK ORDER NO.
E1907694

PLAN FILE NO.

DRAWING NO.
A-605

SHEET OF SHEETS

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REVISION DATE: 10/24/2016 5:30 PM
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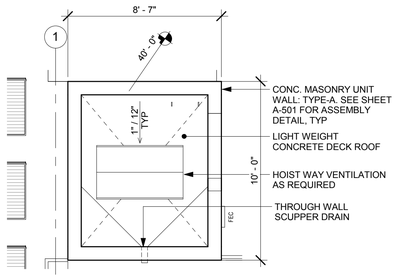
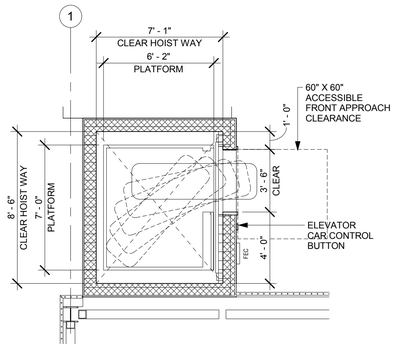


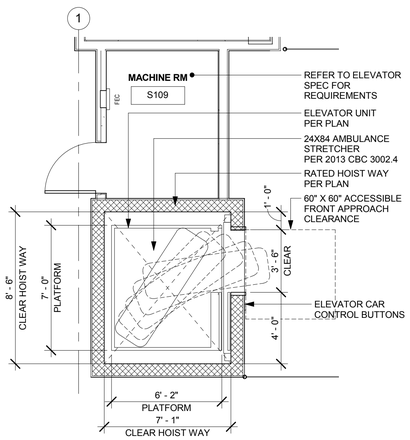
10 ROOF LEVEL ELEVATOR S1 PLAN

SCALE: 1/4" = 1'-0"



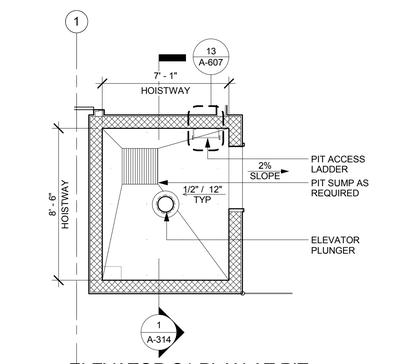
9 OVERLOOK LEVEL AT ELEVATOR S1

SCALE: 1/4" = 1'-0"



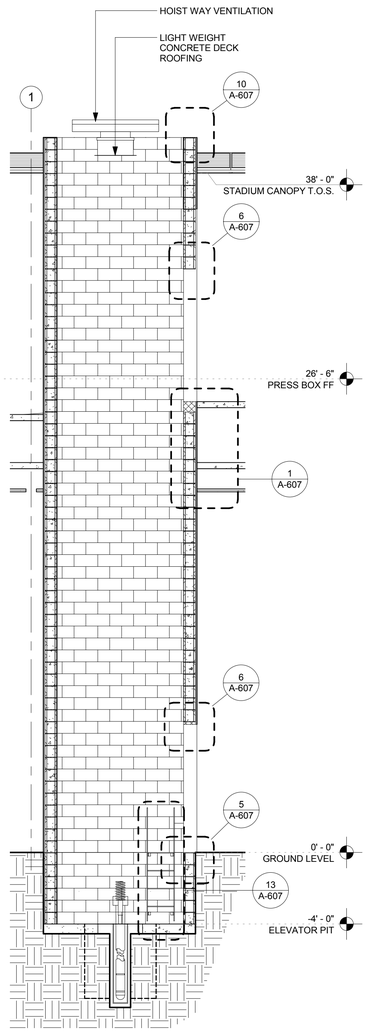
8 ELEVATOR S1 PLAN

SCALE: 1/4" = 1'-0"



7 ELEVATOR S1 PLAN AT PIT

SCALE: 1/4" = 1'-0"



6 ELEVATOR S1 SECTION

SCALE: 1/4" = 1'-0"

9 OVERLOOK LEVEL AT ELEVATOR S1

SCALE: 1/4" = 1'-0"

8 ELEVATOR S1 PLAN

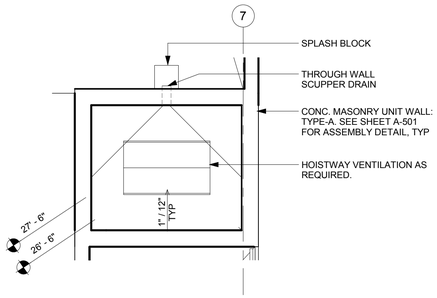
SCALE: 1/4" = 1'-0"

7 ELEVATOR S1 PLAN AT PIT

SCALE: 1/4" = 1'-0"

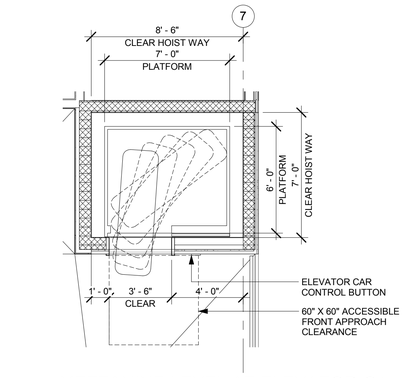
6 ELEVATOR S1 SECTION

SCALE: 1/4" = 1'-0"



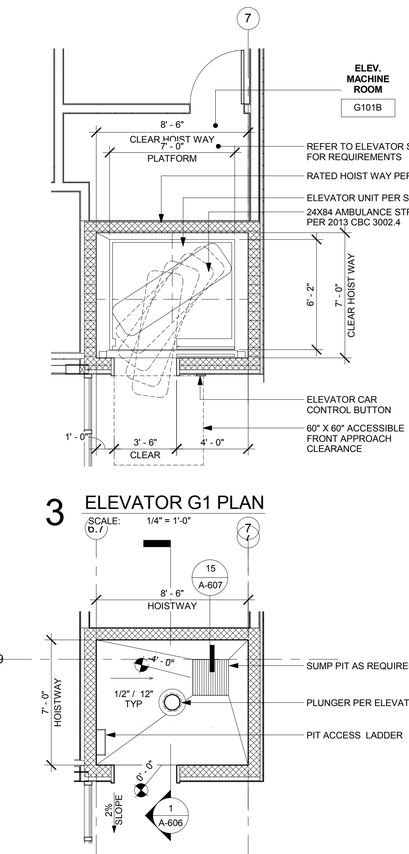
5 ROOF LEVEL ELEVATOR G1 PLAN

SCALE: 1/4" = 1'-0"



4 MEZZANINE LEVEL AT ELEVATOR G1

SCALE: 1/4" = 1'-0"

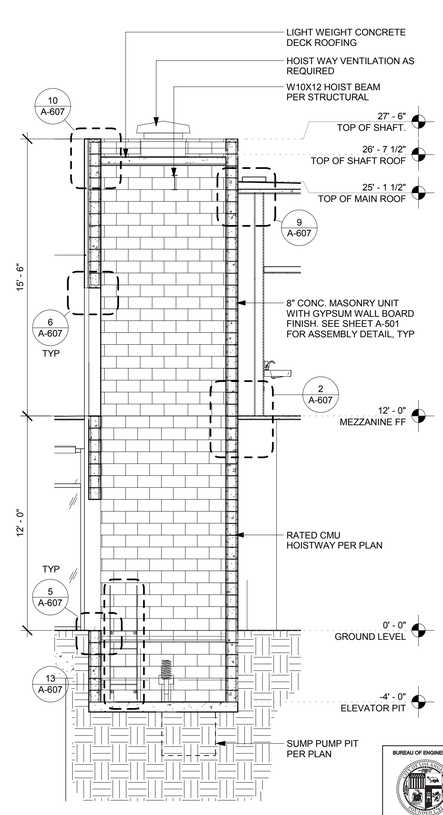


3 ELEVATOR G1 PLAN

SCALE: 1/4" = 1'-0"

2 ELEVATOR G1 PLAN AT SUMP

SCALE: 1/4" = 1'-0"



1 ELEVATOR G1 SECTION

SCALE: 1/4" = 1'-0"

ELEVATOR NOTES

ELEVATOR SHALL BE PROVIDED WITH PHASE-1 EMERGENCY RECALL OPERATION AND PHASE-2 EMERGENCY IN-CAR OPERATION IN ACCORDANCE WITH ASME-A17.1.

ELEVATOR HOIST SHALL HAVE A FLOOR NUMBER NOT LESS THAN 4" IN HEIGHT THAT IS PLACED ON THE WALLS AND/OR DOORS OF THE HOIST AT INTERVALS SUCH THAT A PERSON IN A STALLED ELEVATOR, UPON OPENING THE CAR DOOR, CAN DETERMINE THE FLOOR POSITION.

ALL ELEVATOR SHALL HAVE NOT LESS THAN ONE SIGN AT EACH LANDING PRINTED ON A CONTRASTING BACKGROUND IN LETTERS NOT LESS THAN 1/2 INCH HIGH THAT READS IN CASE OF FIRE USE STAIRWAY FOR EXIT. NOT USE ELEVATOR.

AUTOMATIC PASSENGER ELEVATORS AND EMERGENCY TELEPHONES SHALL HAVE CALL AND CAR OPERATION BUTTONS WITHIN 60 INCHES OFF THE FLOOR.

WHERE STAND-BY POWER IS PROVIDED FOR AN ELEVATOR, *CBC 3003.0 EMERGENCY OPERATIONS* CRITERIA WILL BE REQUIRED.

ELEVATOR CAR DOOR SHALL BE 90 MINUTES FIRE RATED DOORS.

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REVISION DATES (DESIGN STAGE ONLY)

BUREAU OF ENGINEERING
CITY OF LOS ANGELES

NO.	REVISIONS:	DATE:	BY:

BUILDING NO.

INDEX NO. RP 300094

LICENSED ARCHITECT JOHN E. PALI C-19741 5/31/2017 RENEW DATE STATE OF CALIFORNIA

BID SET SUBMITTAL

CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS

GARY LEE MOORE, PE, ENV SP CITY ENGINEER
DATE:
ARCHITECTURAL DIVISION
ARCHITECT: ZOLTAN E. PALI, FAIA LIC. NO. C-19741
DESIGNED BY: ZEP
DRAWN BY: AOS
CHECKED BY: SM
APPROVED BY: MAHMOOD KARIMZADEH, A.I.A., PRINCIPAL ARCHITECT

VERTICAL CONTROL:
HORIZONTAL CONTROL:

SHEET TITLE: ELEVATOR PLANS

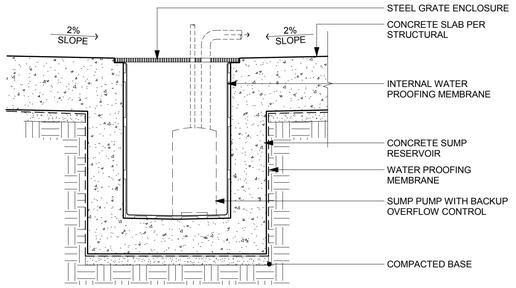
PROJECT: RANCHO CIENEGA SPORTS COMPLEX
5001 RODEO ROAD
LOS ANGELES, CA 90016

ADDRESS:

BUREAU OF ENGINEERING OFFICIAL RECORD

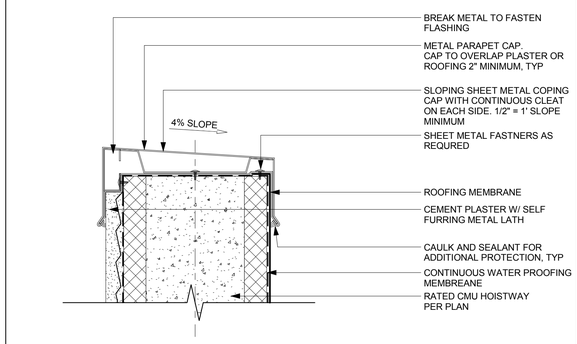
WORK ORDER NO. E1907694
PLAN FILE NO.
DRAWING NO. A-606
SHEET OF SHEETS

PLOTTED: 12/22/2016 4:26:36 PM



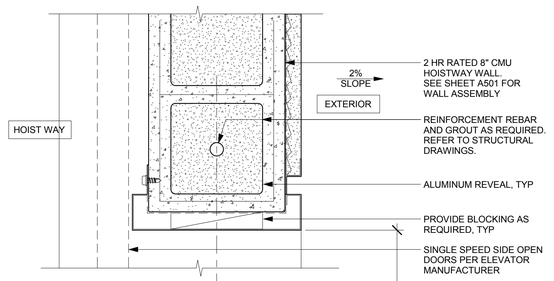
15 ELEVATOR SUMP PUMP BASIN

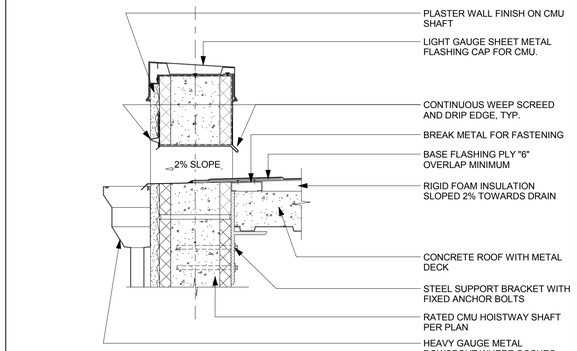
SCALE: 3/4" = 1'-0"



12 METAL PARAPET CAP AT ELEVATOR HOIST WAY

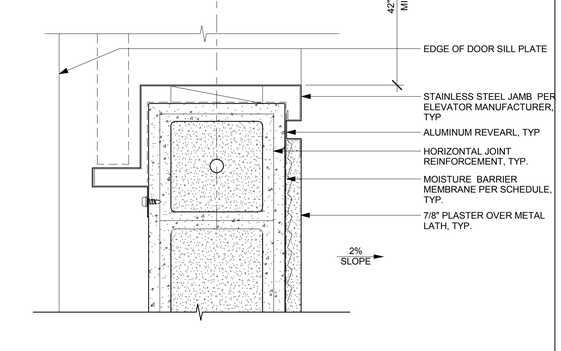
SCALE: 3" = 1'-0"





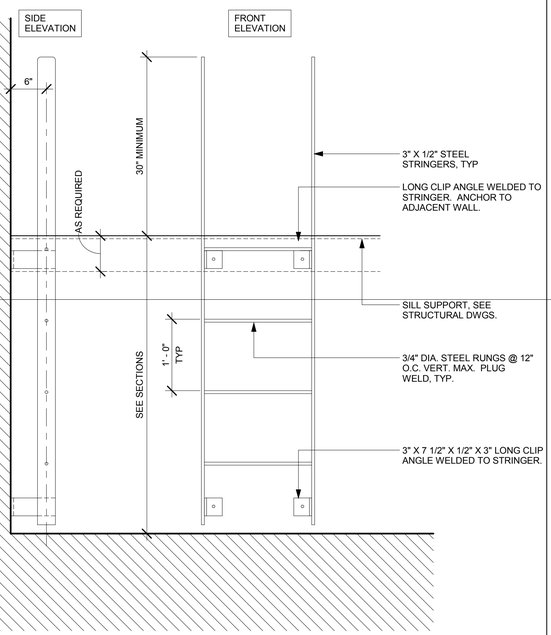
11 SCUPPER DRAIN DETAIL

SCALE: 1 1/2" = 1'-0"



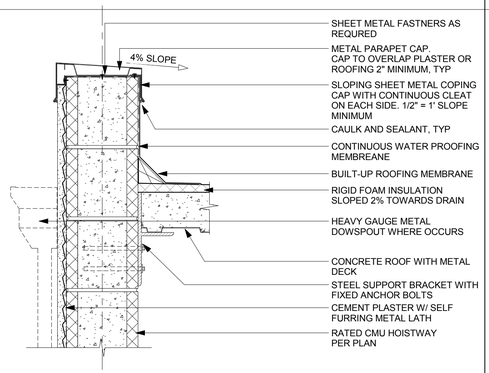
7 ELEVATOR DOOR JAMB DETAIL

SCALE: 3" = 1'-0"



13 ELEVATOR PIT ACCESS LADDER

SCALE: 1" = 1'-0"



10 ELEVATOR HOISTWAY PARAPET DETAIL

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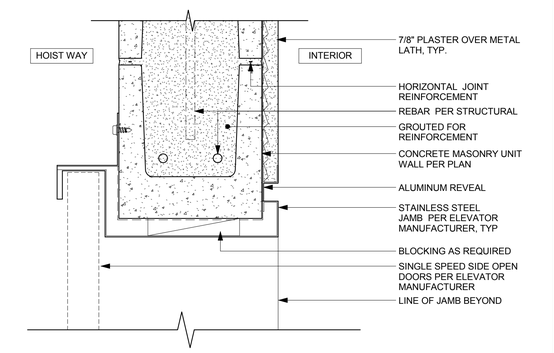

6 ELEVATOR DOOR HEAD DETAIL

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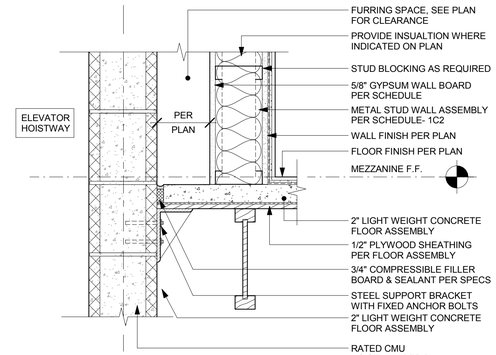
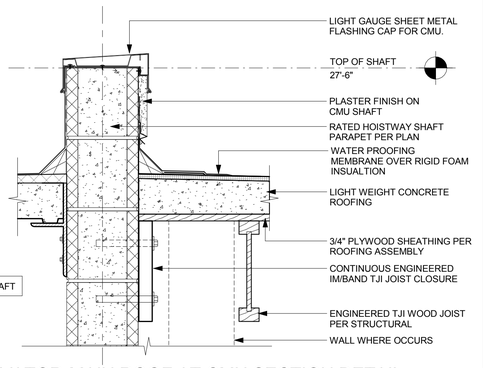


2 CONCRETE DECK FLOOR AT HOISTWAY SHAFT

SCALE: 1 1/2" = 1'-0"



9 ELEVATOR-MAIN ROOF AT CMU SECTION DETAIL

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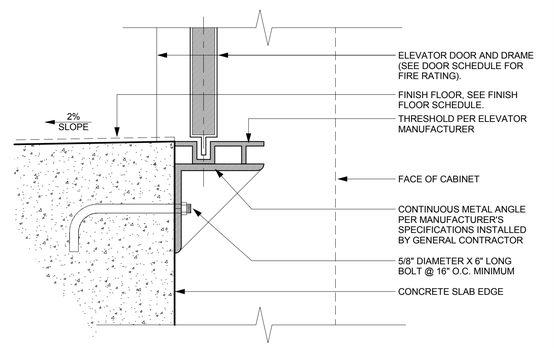
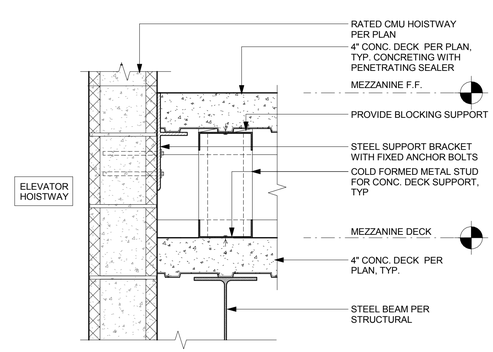


5 ELEVATOR DOOR SILL AT CONCRETE FLOOR

SCALE: 3" = 1'-0"



1 MEZZANINE DECK FLOOR AT HOISTWAY SHAFT

SCALE: 1 1/2" = 1'-0"

BUREAU OF ENGINEERING
OFFICIAL RECORD

BID SET SUBMITTAL

CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS
BUREAU OF ENGINEERING

ENGINEERING
CITY OF LOS ANGELES

NO. REVISIONS: DATE: BY:

BUILDING NO.

INDEX NO. RP 300094

LICENSED ARCHITECT
BRIAN CAMPBELL
C-19741
5/31/2017
RENEW DATE
STATE OF CALIFORNIA

CITY OF LOS ANGELES
VERTICAL CONTROL:
HORIZONTAL CONTROL:

SHEET TITLE: ELEVATOR DETAILS

PROJECT: RANCHO CIENEGA SPORTS COMPLEX

ADDRESS: 5001 RODEO ROAD
LOS ANGELES, CA 90016

CITY ENGINEER
GARY LEE MOORE, PE, ENV SP
DATE:

ARCHITECT: ZOLTAN E. PALI, FAIA
ARCHITECTURAL DIVISION
LIC. NO. C-19741

DESIGNED BY: ZEP
DRAWN BY: AOS
CHECKED BY: SM
APPROVED BY: MAHMOOD KARIMZADEH, A.I.A., PRINCIPAL ARCHITECT

WORK ORDER NO. E1907694
PLAN FILE NO.
DRAWING NO. A-607
SHEET OF SHEETS

PLOTTED: 12/22/2016 4:26:40 PM

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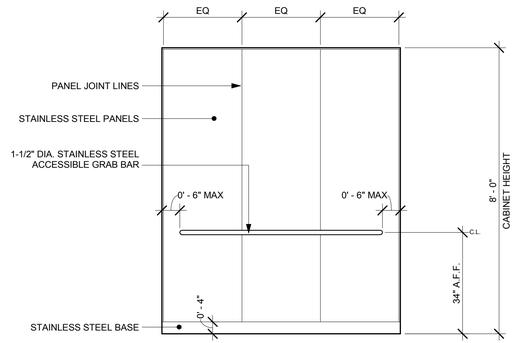
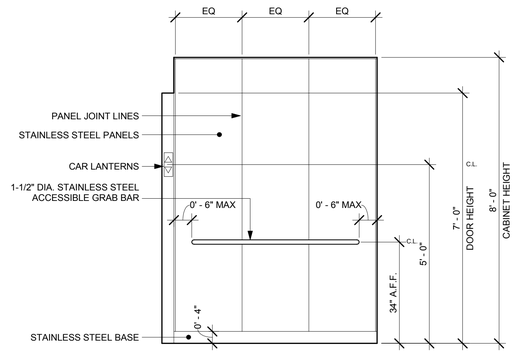
TEMPLATE SHEET REVISION DATE: 08/2014
REVISION DATE: 10/24/2016 5:30 PM
FILE: Z:\14-018 RANCHO CIENEGA SPORTS COMPLEX\DRAWINGS\REVIT\LINKS-AUTOCAD\BOE_TITLEBLOCK_CD_90PERCENT.DWG

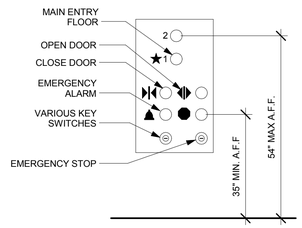
REVISION DATES (DESIGN STAGE ONLY)



NORTH INTERIOR ELEVATION

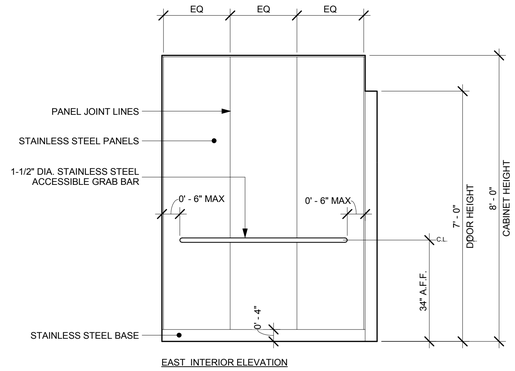


WEST INTERIOR ELEVATION

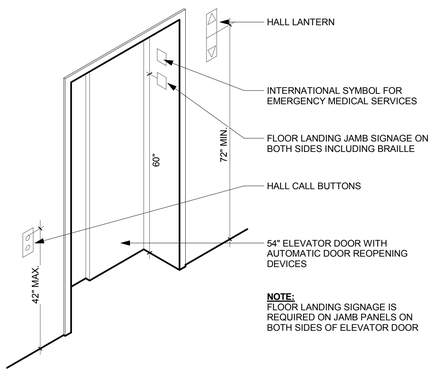


3 ELEVATOR CAB CONTROL DETAILS

SCALE: 1/2" = 1'-0"



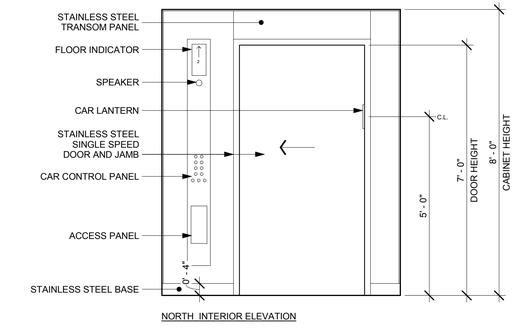
EAST INTERIOR ELEVATION



NOTE:
FLOOR LANDING SIGNAGE IS REQUIRED ON JAMB PANELS ON BOTH SIDES OF ELEVATOR DOOR

2 ELEVATOR ENTRANCE AT HOISTWAY

SCALE: 1/2" = 1'-0"



NORTH INTERIOR ELEVATION

1 TYP. ELEVATOR INTERIOR ELEVATION

SCALE: 1/2" = 1'-0"

ELEVATOR NOTES

ELEVATOR SHALL BE PROVIDED WITH PHASE-1 EMERGENCY RECALL OPERATION AND PHASE-2 EMERGENCY IN-CAR OPERATION IN ACCORDANCE WITH ASME-A17.1.

ELEVATOR HOIST SHALL HAVE A FLOOR NUMBER NOT LESS THAN 4" IN HEIGHT THAT IS PLACED ON THE WALLS AND/OR DOORS OF THE HOIST AT INTERVALS SUCH THAT A PERSON IN A STALLED ELEVATOR, UPON OPENING THE CAR DOOR, CAN DETERMINE THE FLOOR POSITION.

ALL ELEVATOR SHALL HAVE NOT LESS THAN ONE SIGN AT EACH LANDING PRINTED ON A CONTRASTING BACKGROUND IN LETTERS NOT LESS THAN 1/2 INCH HIGH THAT READS IN CASE OF FIRE USE STAIRWAY FOR EXIT. NOT USE ELEVATOR.

AUTOMATIC PASSENGER ELEVATORS AND EMERGENCY TELEPHONES SHALL HAVE CALL AND CAR OPERATION BUTTONS WITHIN 60 INCHES OFF THE FLOOR.

WHERE STAND-BY POWER IS PROVIDED FOR AN ELEVATOR, *CBC 3003.0 EMERGENCY OPERATIONS* CRITERIA WILL BE REQUIRED.

ELEVATOR CAR DOOR SHALL BE 90 MINUTES FIRE RATED DOORS.

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REVISION DATES (DESIGN STAGE ONLY)

TEMPLATE SHEET REVISION DATE: 08/2014
REVISION DATE: 10/24/2016 5:30 PM FILE: Z:\14-018 RANCHO CIENEGA SPORTS COMPLEX\DRAWINGS\REVITLINKS\AUTOCAD\BOE_TITLEBLOCK_CD_90PERCENT.DWG

BUREAU OF ENGINEERING
ENGINEERING
CITY OF LOS ANGELES

NO.	REVISIONS:	DATE:	BY:

BUILDING NO.

INDEX NO. RP 300094

LICENSED ARCHITECT C-19741 5/31/2017 RENEWAL DATE STATE OF CALIFORNIA

BID SET SUBMITTAL

CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS

CITY ENGINEER
GARY LEE MOORE, PE, ENV SP
ARCHITECTURAL DIVISION
DATE:

ARCHITECT: ZOLTAN E. PALI, FAIA LIC. NO. C-19741
DESIGNED BY: ZEP
DRAWN BY: AOS
CHECKED BY: SM
APPROVED BY: MAHMOOD KARIMZADEH, A.I.A., PRINCIPAL ARCHITECT

VERTICAL CONTROL:
HORIZONTAL CONTROL:

SHEET TITLE: ELEVATOR CABINET AND CONTROL DETAILS

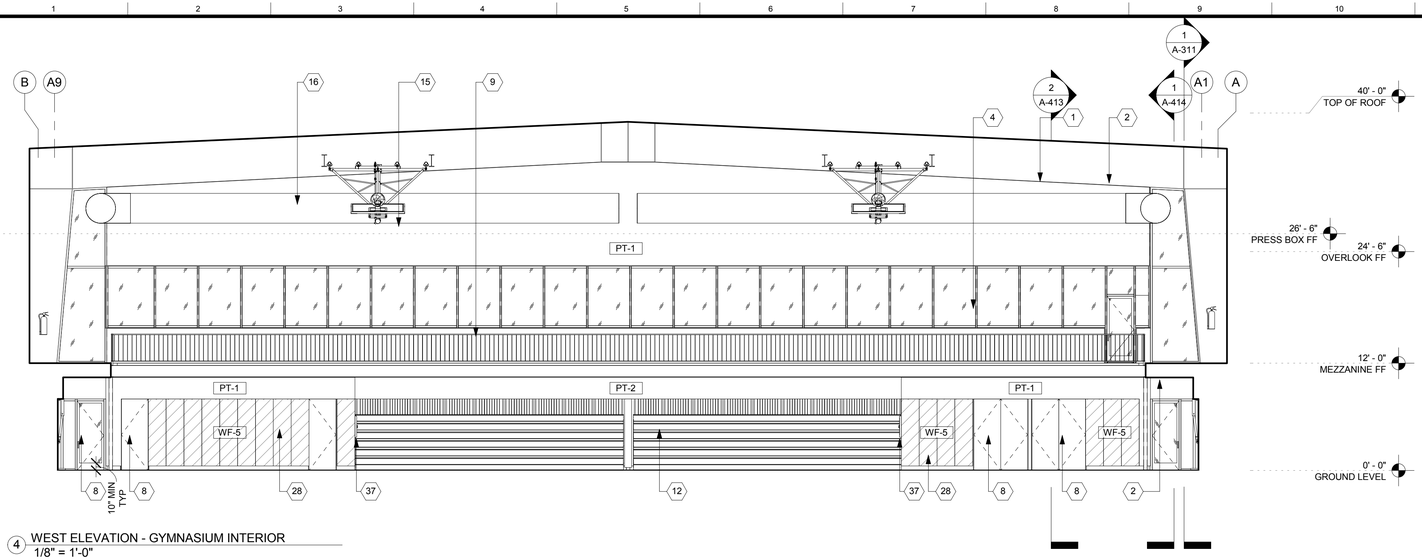
PROJECT: RANCHO CIENEGA SPORTS COMPLEX

ADDRESS: 5001 RODEO ROAD
LOS ANGELES, CA 90016

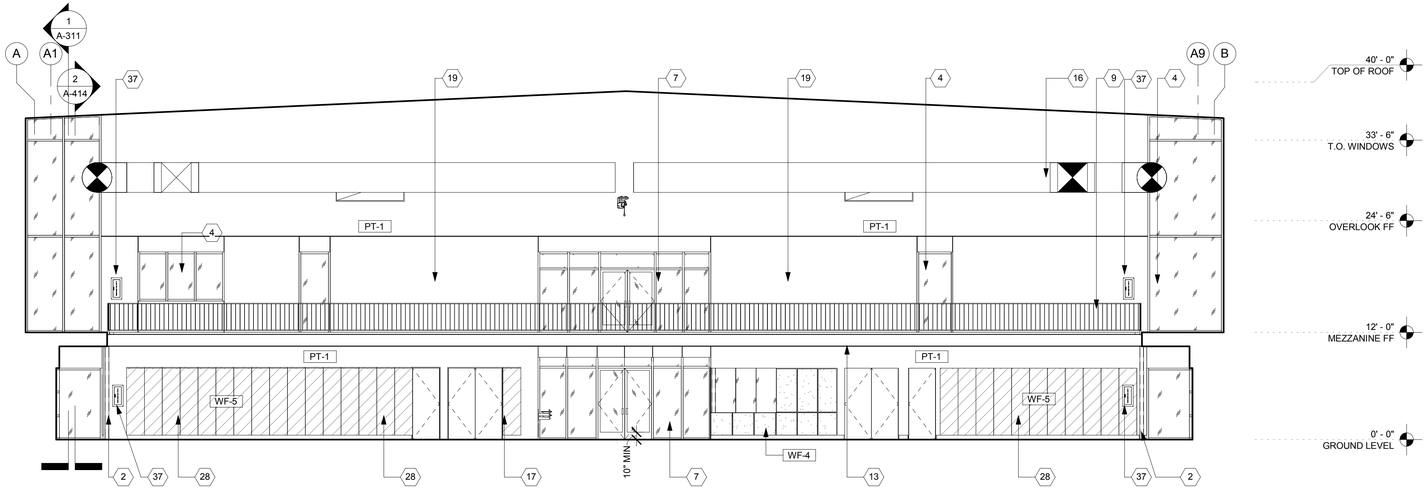
BUREAU OF ENGINEERING OFFICIAL RECORD

WORK ORDER NO. E1907694
PLAN FILE NO.
DRAWING NO. A-608
SHEET OF SHEETS

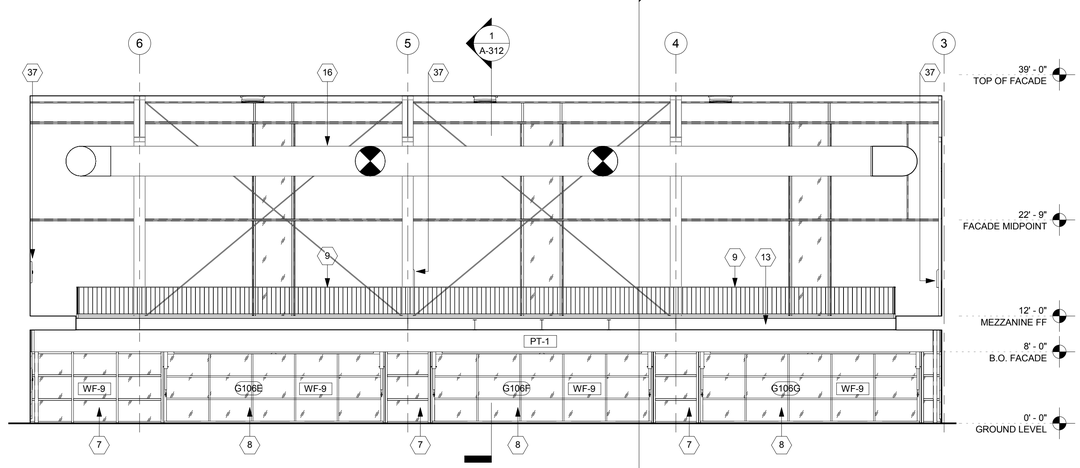
PLOTTED: 12/22/2016 4:26:41 PM



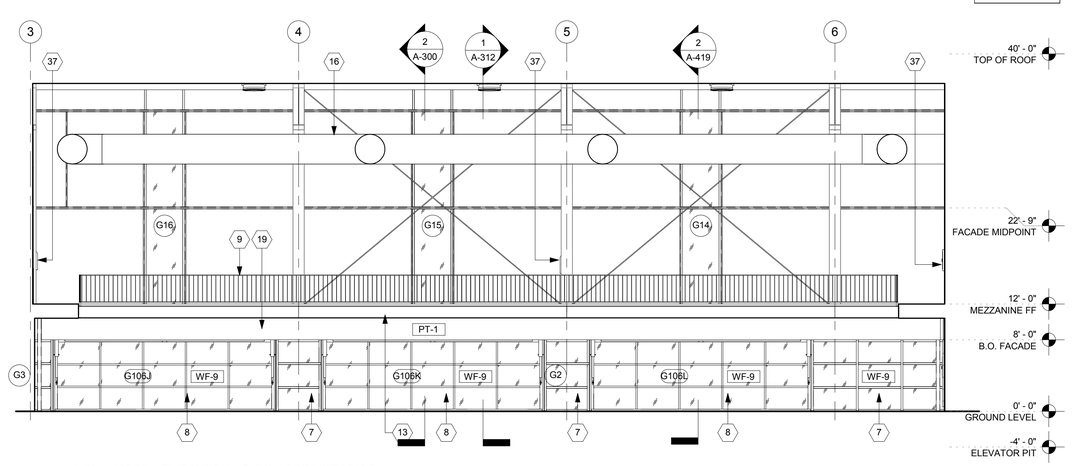
4 WEST ELEVATION - GYMNASIUM INTERIOR
1/8" = 1'-0"



3 EAST ELEVATION - GYMNASIUM INTERIOR
1/8" = 1'-0"



2 A-701 - SOUTH ELEVATION - GYMNASIUM INTERIOR
1/8" = 1'-0"



1 A-701 - NORTH ELEVATION - GYMNASIUM INTERIOR
1/8" = 1'-0"

GENERAL NOTES

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3. DO NOT SCALE FROM DRAWINGS. ANY INCONSISTENCIES OR UNFORESEEN CONDITIONS TO BE REVIEWERED BY THE ARCHITECT PRIOR TO PROCEEDING WITH CONSTRUCTION
4. GRID REFERENCES AND DIMENSIONS ARE INDICATED FOR REFERENCE ONLY
5. SEE SHEET A-920/A-921/A-922/A-923 FOR WINDOW SCHEDULE.
6. PROVIDE ANTI-GRAFFITI COATING @ ALL EXTERIOR WALLS. AGC TO BE APPLIED TO TOP OF FIRST FLOOR WALLS. SEE SECTION 09 86 00
7. ALL EXPOSED STEEL (EXTERIOR AND INTERIOR) TO BE PAINTED W/ HIGH PERFORMANCE COATING.
8. SEE A-300 FOR PEMB DESIGN/BUILD SCOPE

INTERIOR ELEVATION LEGEND

- PAINTED GYPSUM BOARD
- WF-2 LARGE FORMAT TILE
- WF-4 SELF HEALING BULLETIN BOARD
- WF-5 GYM WALL PADS
- WF-6 BIO-IMPREGNATED WOOD SIDING
- WF-7 CEMENT MASONRY UNIT
- WF-8 SUBWAY TILE
- WF-9 STOREFRONT / CURTAIN WALL

INTERIOR ELEVATION KEYNOTES

1. PRE-ENGINEERED METAL BUILDING FRAME
2. STEEL FRAMING. SEE STRUCTURAL
3. PTD. CEMENT MASONRY UNIT
4. GLAZING
5. DROP CEILING
6. BIO-IMPREGNATED WOOD VERTICAL LOUVERS
7. STOREFRONT
8. DOOR AS SCHEDULED
9. STEEL ROD RAILING
10. GLASS BARRIER
11. GATE
12. BLEACHERS
13. METAL CHANNEL
14. BUILT IN SEATING
15. CEILING HUNG BASKETBALL HOOP
16. MECHANICAL EQUIP. SEE MECHANICAL DWGS
17. ALUMINUM SLAT CEILING ASSEMBLY
18. SCOREBOARD
19. PAINTED GYPSUM BOARD
20. PAINTED GREEN BOARD
21. SELF HEALING BULLETIN BOARD
22. SUBWAY TILE
23. LARGE FORMAT TILE
24. PHENOLIC PARTITION
25. 1" SOLID SURFACE COUNTER TOP
26. LAMINATE COUNTER TOP
27. WOOD CASEWORK
28. GYM WALL PADDING
29. EXTERIOR PLASTER FINISH
30. TOILET PAPER DISPENSER
31. SANITARY NAPKIN
32. COMBO PAPER TOWEL AND TRASH
33. SOAP DISPENSER
34. SWIMSUIT SPINNER
35. GRAB RAIL
36. CHANGING TABLE
37. PORTABLE FIRE EXTINGUISHER
38. MIRROR
39. CHAIN LINK FENCE

BUREAU OF ENGINEERING
OFFICIAL RECORD

BID SET SUBMITTAL

CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS
BUREAU OF ENGINEERING

ENGINEERING
CITY OF LOS ANGELES

NO. REVISIONS: DATE: BY:

BUILDING NO.

INDEX NO. RP 300094

LICENSED ARCHITECT
JOHN E. PALI
C-19741
5/31/2017
RENEWAL DATE
STATE OF CALIFORNIA

GARY LEE MOORE, PE, ENV SP CITY ENGINEER DATE:
ARCHITECTURAL DIVISION LIC. NO. C-19741
ARCHITECT: ZOLTAN E. PALI, FAIA
DESIGNED BY: ZEP
DRAWN BY: AOS
CHECKED BY: SM
APPROVED BY: MAHMOOD KARIMZADEH, A.I.A., PRINCIPAL ARCHITECT

CITY OF LOS ANGELES
VERTICAL CONTROL:
HORIZONTAL CONTROL:

SHEET TITLE: INTERIOR ELEVATIONS

PROJECT: RANCHO CIENEGA SPORTS COMPLEX
ADDRESS: 5001 RODEO ROAD
LOS ANGELES, CA 90016

WORK ORDER NO. E1907694
PLAN FILE NO.
DRAWING NO. A-700
SHEET OF SHEETS

PLOTTED: 12/22/2016 4:26:50 PM

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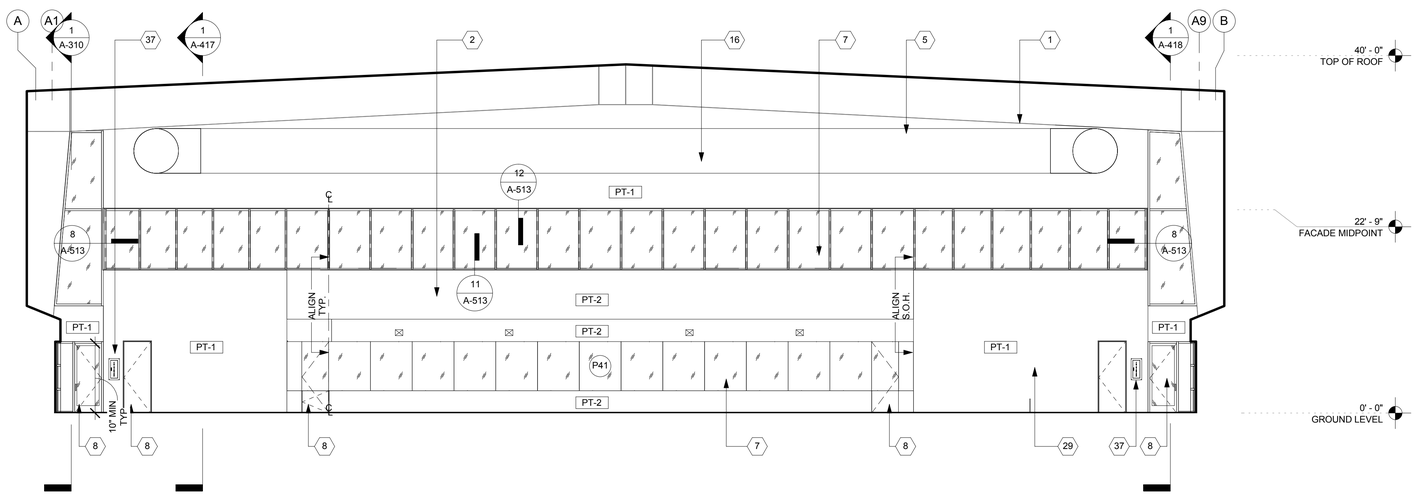
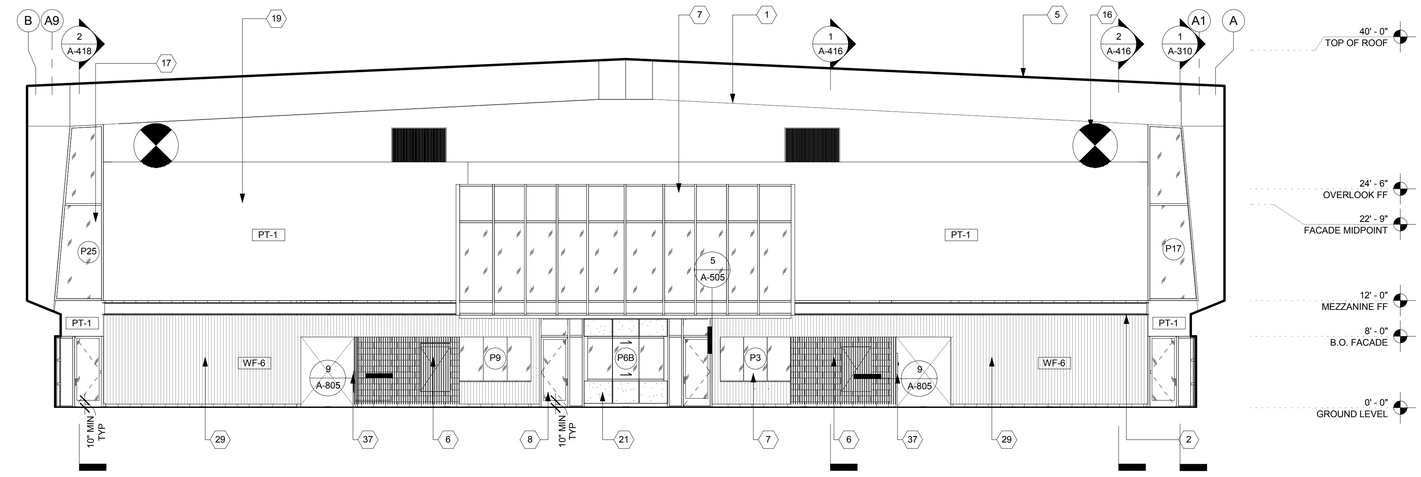
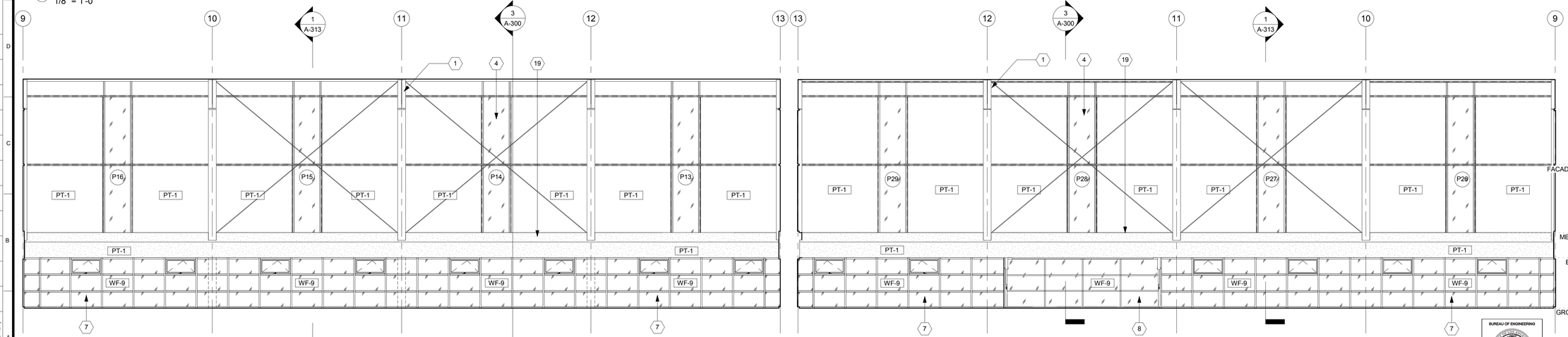


4 EAST ELEVATION - POOL INTERIOR
1/8" = 1'-0"



3 WEST ELEVATION - POOL INTERIOR
1/8" = 1'-0"



2 POOL - NORTH
1/8" = 1'-0"

1 POOL - SOUTH
1/8" = 1'-0"

INTERIOR ELEVATION LEGEND

- PAINTED GYPSUM BOARD
- WF-2 LARGE FORMAT TILE
- WF-4 SELF HEALING BULLETIN BOARD
- WF-5 GYM WALL PADS
- WF-6 BIO-IMPREGNATED WOOD SIDING
- WF-7 CEMENT MASONRY UNIT
- WF-8 SUBWAY TILE
- WF-9 STOREFRONT / CURTAIN WALL

GENERAL NOTES

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BUREAU OF ENGINEERING
OFFICIAL RECORD

ENGINEERING
CITY OF LOS ANGELES

BUREAU OF ENGINEERING

NO.	REVISIONS:	DATE:	BY:

BUILDING NO.

RP 300094

INDEX NO.

LICENSED ARCHITECT
ZOLTAN E. PALI
C-19741
5/31/2017
RENEWAL DATE
STATE OF CALIFORNIA

CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS

BID SET SUBMITTAL

GARY LEE MOORE, PE, ENV SP CITY ENGINEER
DATE:
ARCHITECTURAL DIVISION
LIC. NO. C-19741
ARCHITECT: ZOLTAN E. PALI, FAIA
DESIGNED BY: ZEP
DRAWN BY: AOS
CHECKED BY: SM
APPROVED BY: MAHMOOD KARIMZADEH, A.I.A., PRINCIPAL ARCHITECT

VERTICAL CONTROL:
HORIZONTAL CONTROL:

SHEET TITLE: INTERIOR ELEVATIONS

PROJECT: RANCHO CIENEGA SPORTS COMPLEX
ADDRESS: 5001 RODEO ROAD
LOS ANGELES, CA 90016

WORK ORDER NO.
E1907694
PLAN FILE NO.
DRAWING NO.
A-701
SHEET OF SHEETS

PLOTTED: 12/22/2016 4:26:56 PM

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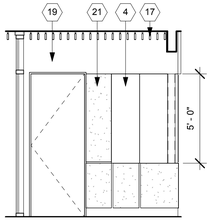
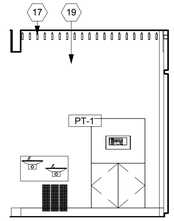
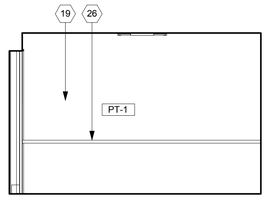


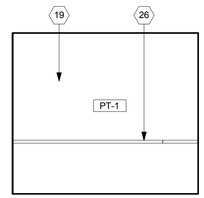
22 LOBBY SOUTH - G103
1/4" = 1'-0"



21 LOBBY NORTH - G103
1/4" = 1'-0"



20 CHECK IN EAST - G102
1/4" = 1'-0"



19 CHECK IN SOUTH - G102
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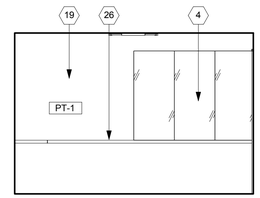

18 CHECK IN WEST - G102
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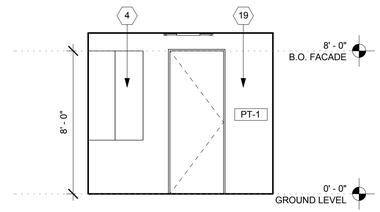

17 CHECK IN NORTH - G102
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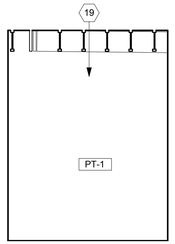
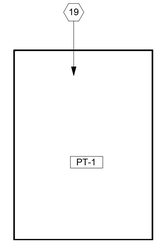
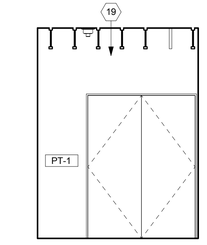


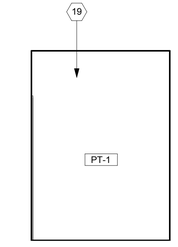
16 STORAGE A EAST - G104
1/4" = 1'-0"



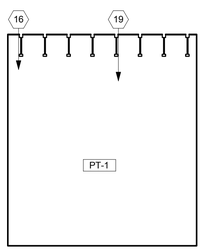
15 STORAGE A SOUTH - G104
1/4" = 1'-0"



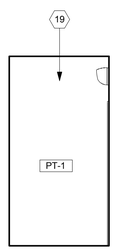
14 STORAGE A WEST - G104
1/4" = 1'-0"



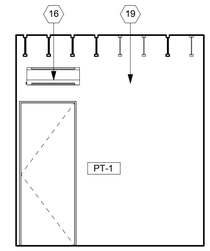
13 STORAGE A NORTH - G104
1/4" = 1'-0"



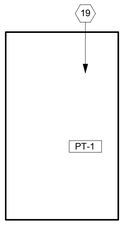
12 IT EAST - G101A
1/4" = 1'-0"



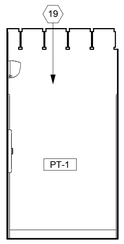
11 IT SOUTH - G101A
1/4" = 1'-0"



10 IT WEST - G101A
1/4" = 1'-0"



9 IT NORTH - G101A
1/4" = 1'-0"



8 ELECTRICAL B EAST - G101
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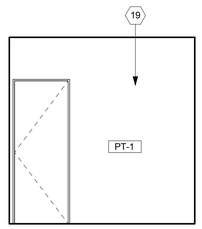
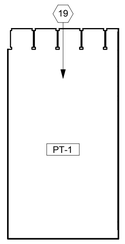
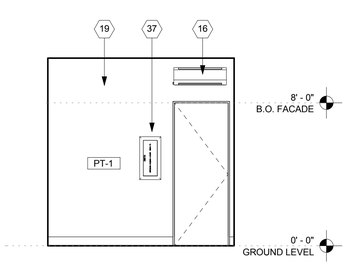


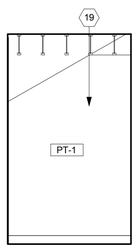
7 ELECTRICAL B SOUTH - G101
1/4" = 1'-0"



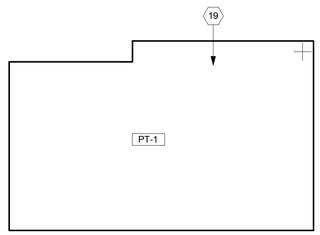
6 ELECTRICAL B WEST - G101
1/4" = 1'-0"



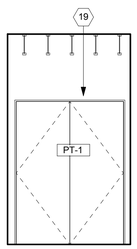
5 ELECTRICAL B - NORTH
1/4" = 1'-0"



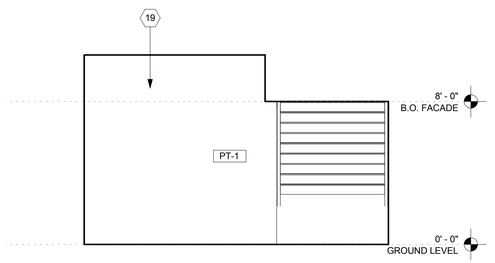
4 STORAGE EAST - G104B
1/4" = 1'-0"



3 STORAGE SOUTH - G104B
1/4" = 1'-0"



2 STORAGE WEST - G104B
1/4" = 1'-0"



1 STORAGE NORTH - G104B
1/4" = 1'-0"

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1. KEYNOTES ARE SPECIFIC TO THE DRAWING SECTION IN WHICH THEY RESIDE.
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3. DO NOT SCALE FROM DRAWINGS. ANY INCONSISTENCIES OR UNFORESEEN CONDITIONS TO BE REVIEWERED BY THE ARCHITECT PRIOR TO PROCEEDING WITH CONSTRUCTION
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5. SEE SHEET A-920/A-921/A-922/A-923 FOR WINDOW SCHEDULE.
6. PROVIDE ANTI-GRAFFITI COATING @ ALL EXTERIOR WALLS . AGC TO BE APPLIED TO TOP OF FIRST FLOOR WALLS. SEE SECTION 09 86 00
7. ALL EXPOSED STEEL (EXTERIOR AND INTERIOR) TO BE PAINTED W/ HIGH PERFORMANCE COATING.
8. SEE A-300 FOR PEMB DESIGN/BUILD SCOPE

INTERIOR ELEVATION KEYNOTES

1. PRE-ENGINEERED METAL BUILDING FRAME
2. STEEL FRAMING. SEE STRUCTURAL
3. PTD. CEMENT MASONRY UNIT
4. GLAZING
5. DROP CEILING
6. BIO-IMPREGNATED WOOD VERTICAL LOUVERS
7. STOREFRONT
8. DOOR AS SCHEDULED
9. STEEL ROD RAILING
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12. BLEACHERS
13. METAL CHANNEL
14. BUILT IN SEATING
15. CEILING HUNG BASKETBALL HOOP
16. MECHANICAL EQUIP. SEE MECHANICAL DWGS
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18. SCOREBOARD
19. PAINTED GYPSUM BOARD
20. PAINTED GREEN BOARD
21. SELF HEALING BULLETIN BOARD
22. SUBWAY TILE
23. LARGE FORMAT TILE
24. PHENOLIC PARTITION
25. 1" SOLID SURFACE COUNTER TOP
26. LAMINATE COUNTER TOP
27. WOOD CASEWORK
28. GYM WALL PADDING
29. EXTERIOR PLASTER FINISH
30. TOILET PAPER DISPENSER
31. SANITARY NAPKIN
32. COMBO PAPER TOWEL AND TRASH
33. SOAP DISPENSER
34. SWIMSUIT SPINNER
35. GRAB RAIL
36. CHANGING TABLE
37. PORTABLE FIRE EXTINGUISHER
38. MIRROR
39. CHAIN LINK FENCE

INTERIOR ELEVATION LEGEND

- PAINTED GYPSUM BOARD
- WF-2 LARGE FORMAT TILE
- WF-4 SELF HEALING BULLETIN BOARD
- WF-5 GYM WALL PADS
- WF-6 BIO-IMPREGNATED WOOD SIDING
- WF-7 CEMENT MASONRY UNIT
- WF-8 SUBWAY TILE
- WF-9 STOREFRONT / CURTAIN WALL

BUREAU OF ENGINEERING
OFFICIAL RECORD

ENGINEERING
CITY OF LOS ANGELES

BUREAU OF ENGINEERING

NO.	REVISIONS:	DATE:	BY:

BUILDING NO.

INDEX NO. RP 300094

LICENSED ARCHITECT
ZOLTAN E. PALI
C-19741
5/31/2017
RENEWAL DATE
STATE OF CALIFORNIA

CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS
BID SET SUBMITTAL

GARY LEE MOORE, PE, ENV SP — CITY ENGINEER — DATE:
ARCHITECTURAL DIVISION — LIC. NO. C-19741
ARCHITECT: ZOLTAN E. PALI, FAIA
DESIGNED BY: ZEP
DRAWN BY: AOS
CHECKED BY: SM
APPROVED BY: MAHMOOD KARIMZADEH, A.I.A., PRINCIPAL ARCHITECT

VERTICAL CONTROL:
HORIZONTAL CONTROL:

SHEET TITLE: INTERIOR ELEVATIONS

PROJECT: RANCHO CIENEGA SPORTS COMPLEX
ADDRESS: 5001 RODEO ROAD
LOS ANGELES, CA 90016

WORK ORDER NO. E1907694
PLAN FILE NO.
DRAWING NO. A-702
SHEET OF SHEETS

PLOTTED: 12/22/2016 4:27:10 PM

REVISION DATES (DESIGN STAGE ONLY)

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TEMPLATE SHEET REVISION DATE: 08/2014
REVISION DATE: 10/24/2016 5:30 PM
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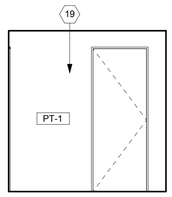
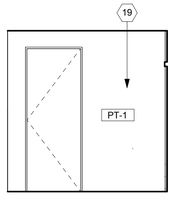
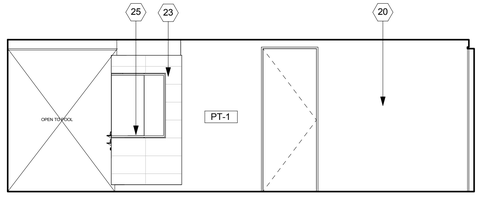


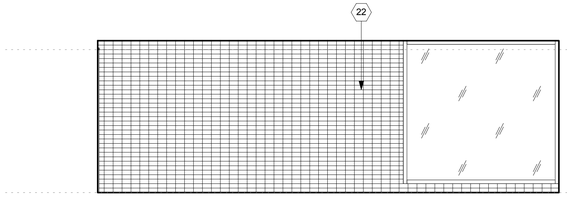
21 LOBBY CORRIDOR EAST - P100
1/4" = 1'-0"



20 LOBBY CORRIDOR WEST - P100
1/4" = 1'-0"



19 WOMENS LOCKER RM CORRIDOR EAST - P110
1/4" = 1'-0"



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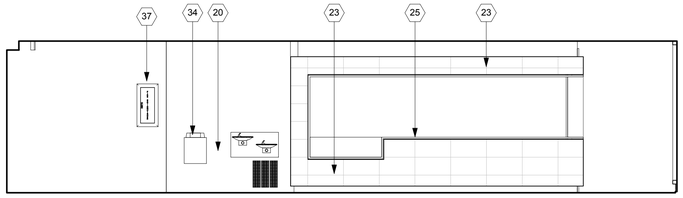
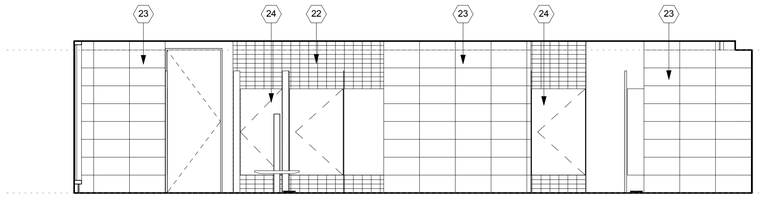
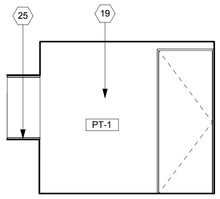
1/4" = 1'-0"



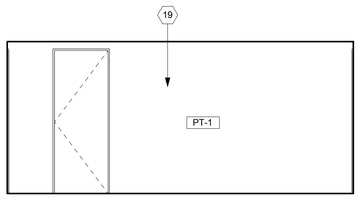
17 WOMENS LOCKER RM CORRIDOR SOUTH - P110
1/4" = 1'-0"



16 WOMANS LOCKER RM CORRIDOR NORTH - P110
1/4" = 1'-0"



15 WOMENS BAG CHECK EAST - P135
1/4" = 1'-0"



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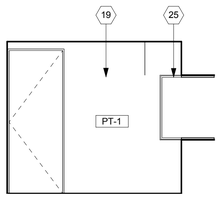
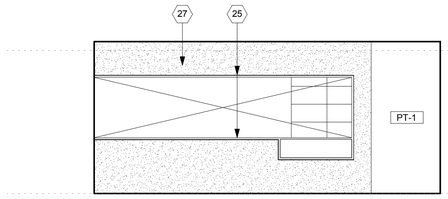
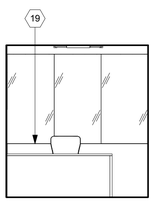
1/4" = 1'-0"



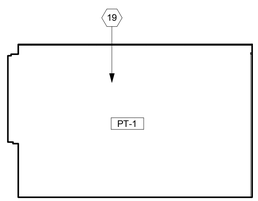
13 WOMENS BAG CHECK WEST - P135
1/4" = 1'-0"



12 WOMENS BAG CHECK NORTH - P135
1/4" = 1'-0"



11 DIRECTORS OFFICE EAST - P103
1/4" = 1'-0"



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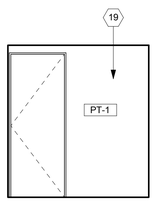
1/4" = 1'-0"



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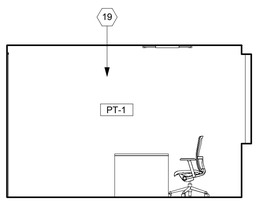
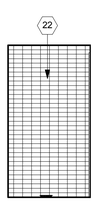
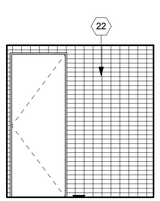
1/4" = 1'-0"



8 DIRECTORS OFFICE NORTH - P103
1/4" = 1'-0"



7 WOMENS JANITOR EAST - P140
1/4" = 1'-0"



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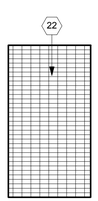
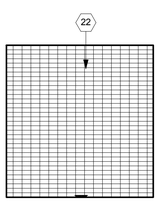
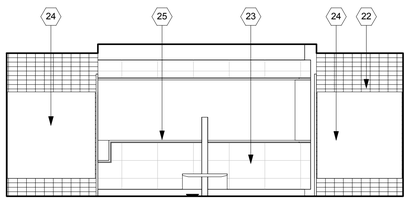


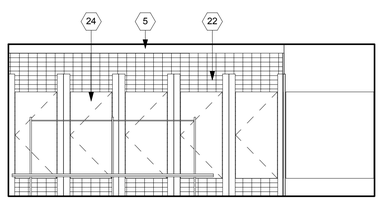
5 WOMENS JANITOR WEST - P140
1/4" = 1'-0"



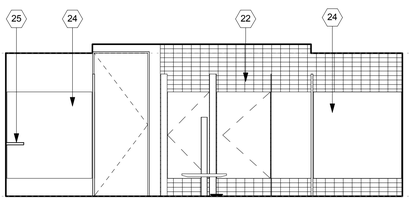
4 WOMENS JANITOR NORTH - P140
1/4" = 1'-0"



3 WOMENS LOCKER ROOM SOUTH - P113
1/4" = 1'-0"



2 WOMENS LOCKER ROOM WEST - P113
1/4" = 1'-0"



1 WOMENS LOCKER ROOM NORTH - P113
1/4" = 1'-0"

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4. GLAZING
5. DROP CEILING
6. BIO-IMPREGNATED WOOD VERTICAL LOUVERS
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12. BLEACHERS
13. METAL CHANNEL
14. BUILT IN SEATING
15. CEILING HUNG BASKETBALL HOOP
16. MECHANICAL EQUIP. SEE MECHANICAL DWGS
17. ALUMINUM SLAT CEILING ASSEMBLY
18. SCOREBOARD
19. PAINTED GYPSUM BOARD
20. PAINTED GREEN BOARD
21. SELF HEALING BULLETIN BOARD
22. SUBWAY TILE
23. LARGE FORMAT TILE
24. PHENOLIC PARTITION
25. 1" SOLID SURFACE COUNTER TOP
26. LAMINATE COUNTER TOP
27. WOOD CASEWORK
28. GYM WALL PADDING
29. EXTERIOR PLASTER FINISH
30. TOILET PAPER DISPENSER
31. SANITARY NAPKIN
32. COMBO PAPER TOWEL AND TRASH
33. SOAP DISPENSER
34. SWIMSUIT SPINNER
35. GRAB RAIL
36. CHANGING TABLE
37. PORTABLE FIRE EXTINGUISHER
38. MIRROR
39. CHAIN LINK FENCE

INTERIOR ELEVATION LEGEND

- PAINTED GYPSUM BOARD
- WF-2 LARGE FORMAT TILE
- WF-4 SELF HEALING BULLETIN BOARD
- WF-5 GYM WALL PADS
- WF-6 BIO-IMPREGNATED WOOD SIDING
- WF-7 CEMENT MASONRY UNIT
- WF-8 SUBWAY TILE
- WF-9 STOREFRONT / CURTAIN WALL

BUREAU OF ENGINEERING
CITY OF LOS ANGELES

BUILDING NO.

INDEX NO. RP 300094

NO. REVISIONS: DATE: BY:

LICENSED ARCHITECT
ZOLTAN E. PALI
C-19741
5/31/2017
RENEWAL DATE
STATE OF CALIFORNIA

BID SET SUBMITTAL

CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS

CITY ENGINEER
DATE:

GARY LEE MOORE, PE, ENV SP
ARCHITECTURAL DIVISION
LIC. NO. C-19741

ARCHITECT: ZOLTAN E. PALI, FAIA
DESIGNED BY: ZEP
DRAWN BY: AOS
CHECKED BY: SM
APPROVED BY: MAHMOOD KARIMZADEH, A.I.A., PRINCIPAL ARCHITECT

VERTICAL CONTROL:
HORIZONTAL CONTROL:

SHEET TITLE: INTERIOR ELEVATIONS

PROJECT: RANCHO CIENEGA SPORTS COMPLEX
5001 RODEO ROAD
ADDRESS: LOS ANGELES, CA 90016

BUREAU OF ENGINEERING
OFFICIAL RECORD

WORK ORDER NO.
E1907694

PLAN FILE NO.

DRAWING NO.
A-703

SHEET OF SHEETS

PLOTTED: 12/22/2016 4:27:21 PM

REVISION DATES:
(DESIGN STAGE ONLY)

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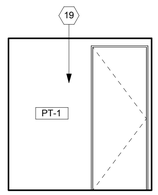
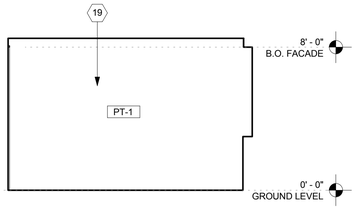
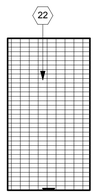
TEMPLATE SHEET REVISION DATE: 08/2014
REVISION DATE: 10/24/2016 5:30 PM FILE: Z:\14-018 RANCHO CIENEGA SPORTS COMPLEX\DRAWINGS\REVIT\LINKS\AUTOCAD\BOE_TITLEBLOCK_CD_90PERCENT.DWG



22 FIRST AID WEST - P106
1/4" = 1'-0"



21 FIRST AID NORTH - P106
1/4" = 1'-0"



20 MENS JANITOR EAST - P120
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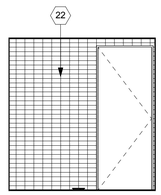

19 MENS JANITOR SOUTH - P120
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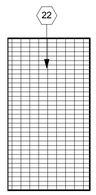

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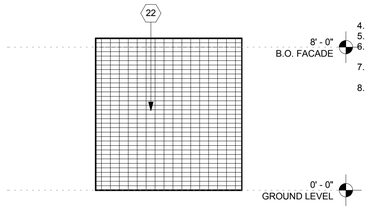

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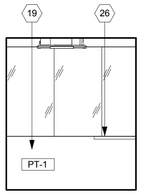
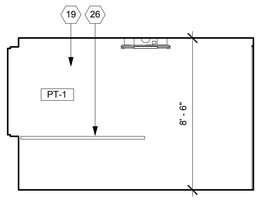
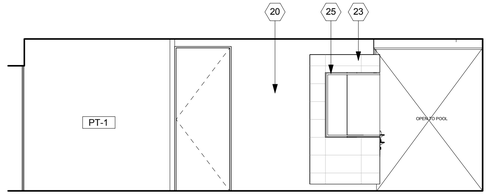


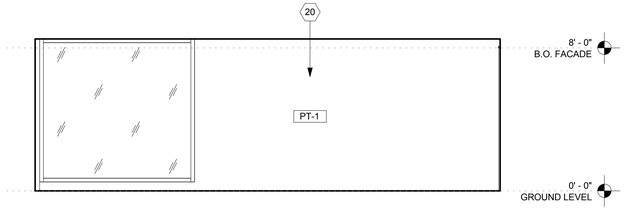
16 FIRST AID EAST - P106
1/4" = 1'-0"



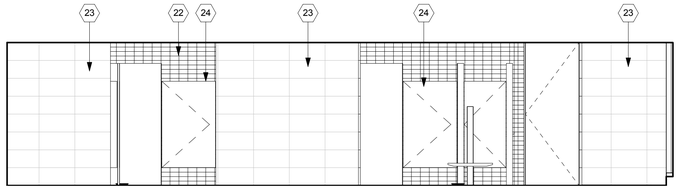
15 FIRST AID SOUTH - P106
1/4" = 1'-0"



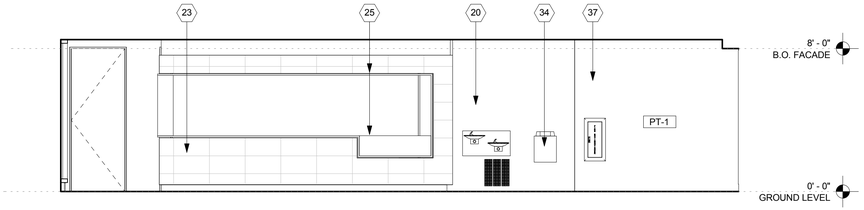
14 MENS LOCKER RM CORRIDOR EAST - P115
1/4" = 1'-0"



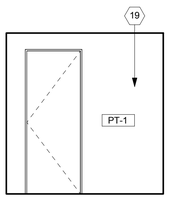
13 MENS LOCKER ROOM CORRIDOR WEST - P115
1/4" = 1'-0"



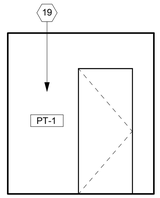
12 MENS LOCKER RM CORRIDOR SOUTH - P115
1/4" = 1'-0"



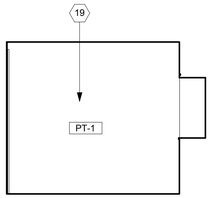
11 MENS LOCKER RM CORRIDOR NORTH - P115
1/4" = 1'-0"



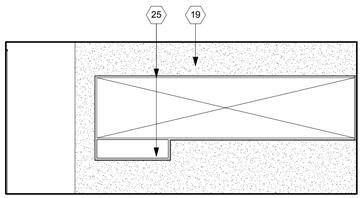
10 FIRST AID CORRIDOR EAST - P100
1/4" = 1'-0"



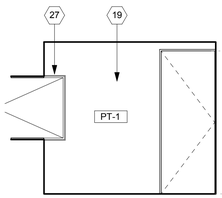
9 FIRST AID CORRIDOR WEST - P100
1/4" = 1'-0"



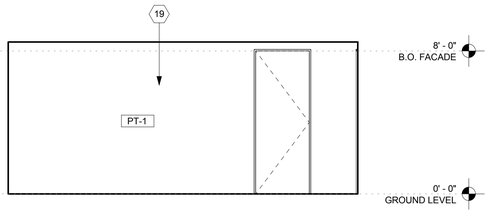
8 MENS BAG CHECK EAST - P116
1/4" = 1'-0"



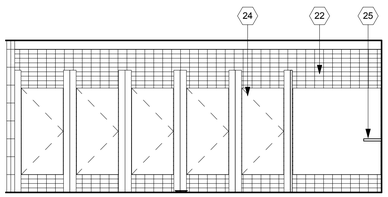
7 MENS BAG CHECK SOUTH - P116
1/4" = 1'-0"



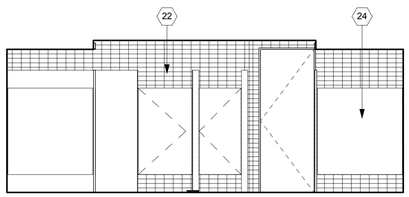
6 MENS BAG CHECK WEST - P116
1/4" = 1'-0"



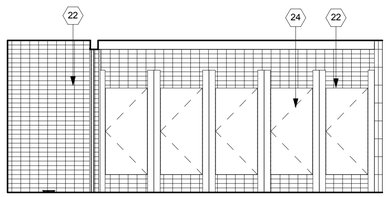
5 MENS BAG CHECK NORTH - P116
1/4" = 1'-0"



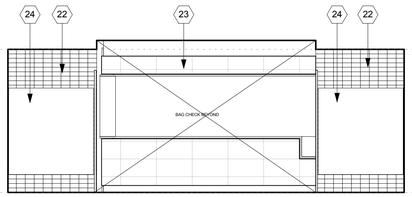
4 MENS LOCKER RM TOILET EAST - P122
1/4" = 1'-0"



3 MENS LOCKER RM TOILET SOUTH - P122
1/4" = 1'-0"



2 MENS LOCKER RM TOILET WEST - P122
1/4" = 1'-0"



1 MENS LOCKER RM TOILET NORTH - P122
1/4" = 1'-0"

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7. ALL EXPOSED STEEL (EXTERIOR AND INTERIOR) TO BE PAINTED W/ HIGH PERFORMANCE COATING.
8. SEE A-300 FOR PEMB DESIGN/BUILD SCOPE

INTERIOR ELEVATION KEYNOTES

1. PRE-ENGINEERED METAL BUILDING FRAME
2. STEEL FRAMING. SEE STRUCTURAL
3. PTD. CEMENT MASONRY UNIT
4. GLAZING
5. DROP CEILING
6. BIO-IMPREGNATED WOOD VERTICAL LOUVERS
7. STOREFRONT
8. DOOR AS SCHEDULED
9. STEEL ROD RAILING
10. GLASS BARRIER
11. GATE
12. BLEACHERS
13. METAL CHANNEL
14. BUILT IN SEATING
15. CEILING HUNG BASKETBALL HOOP
16. MECHANICAL EQUIP, SEE MECHANICAL DWGS
17. ALUMINUM SLAT CEILING ASSEMBLY
18. SCOREBOARD
19. PAINTED GYPSUM BOARD
20. PAINTED GREEN BOARD
21. SELF HEALING BULLETIN BOARD
22. SUBWAY TILE
23. LARGE FORMAT TILE
24. PHENOLIC PARTITION
25. 1" SOLID SURFACE COUNTER TOP
26. LAMINATE COUNTER TOP
27. WOOD CASEWORK
28. GYM WALL PADDING
29. EXTERIOR PLASTER FINISH
30. TOILET PAPER DISPENSER
31. SANITARY NAPKIN
32. COMBO PAPER TOWEL AND TRASH
33. SOAP DISPENSER
34. SWIMSUIT SPINNER
35. GRAB RAIL
36. CHANGING TABLE
37. PORTABLE FIRE EXTINGUISHER
38. MIRROR
39. CHAIN LINK FENCE

INTERIOR ELEVATION LEGEND

- PAINTED GYPSUM BOARD
- WF-2 LARGE FORMAT TILE
- WF-4 SELF HEALING BULLETIN BOARD
- WF-5 GYM WALL PADS
- WF-6 BIO-IMPREGNATED WOOD SIDING
- WF-7 CEMENT MASONRY UNIT
- WF-8 SUBWAY TILE
- WF-9 STOREFRONT / CURTAIN WALL

BUREAU OF ENGINEERING
OFFICIAL RECORD

ENGINEERING
CITY OF LOS ANGELES

BUREAU OF ENGINEERING

NO. REVISIONS: DATE: BY:

BUILDING NO.

RP 300094

INDEX NO.

LICENSED ARCHITECT
ZOLTAN E. PALI
C-19741
5/31/2017
RENEW
STATE OF CALIFORNIA

BID SET SUBMITTAL

CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS

GARY LEE MOORE, PE, ENV SP CITY ENGINEER
ARCHITECTURAL DIVISION
DATE:
ARCHITECT: ZOLTAN E. PALI, FAIA LIC. NO. C-19741
DESIGNED BY: ZEP
DRAWN BY: AOS
CHECKED BY: SM
APPROVED BY: MAHMOOD KARIMZADEH, A.I.A., PRINCIPAL ARCHITECT

VERTICAL CONTROL:
HORIZONTAL CONTROL:

SHEET TITLE: INTERIOR ELEVATIONS

PROJECT: RANCHO CIENEGA SPORTS COMPLEX
ADDRESS: 5001 RODEO ROAD
LOS ANGELES, CA 90016

WORK ORDER NO.
E1907694
PLAN FILE NO.

DRAWING NO.
A-704
SHEET OF SHEETS

PLOTTED: 12/22/2016 4:27:34 PM

REVISION DATES
(DESIGN STAGE ONLY)

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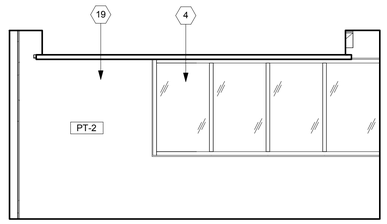
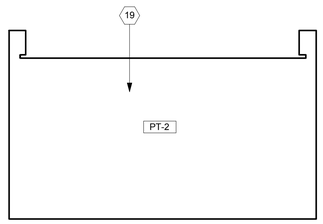
REVISION DATE: 10/24/2016 5:30 PM FILE: Z:\14-018 RANCHO CIENEGA SPORTS COMPLEX\DRAWING\REVIT\LNKS\AUTOCAD\BOE_TITLEBLOCK_CD_90PERCENT.DWG



16 CLASSROOM EAST - G203
1/4" = 1'-0"



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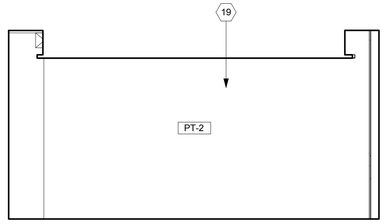
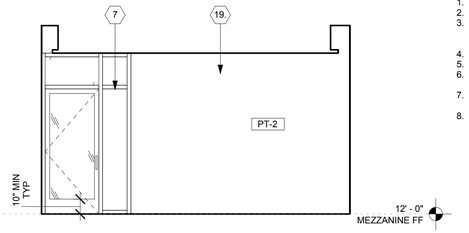
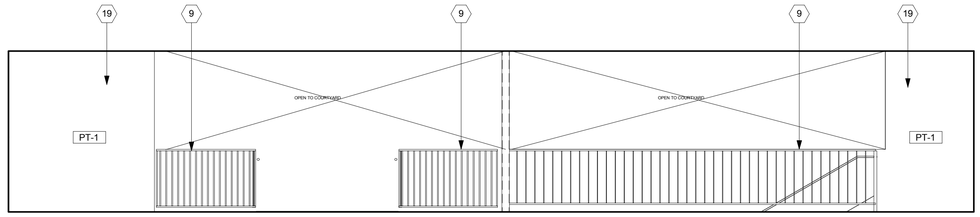
1/4" = 1'-0"



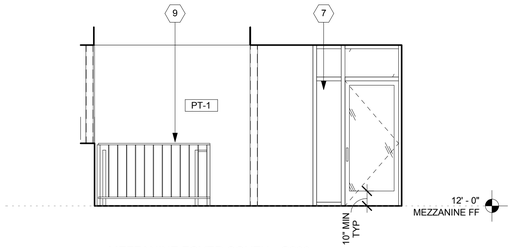
14 CLASSROOM WEST - G203
1/4" = 1'-0"



13 CLASSROOM NORTH - G203
1/4" = 1'-0"



12 MEZZANINE FOYER EAST - G202
1/4" = 1'-0"



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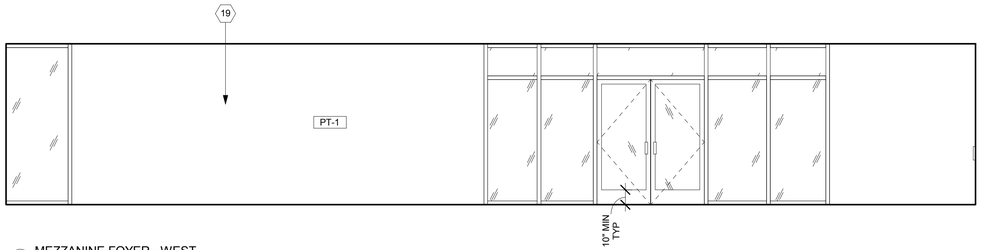

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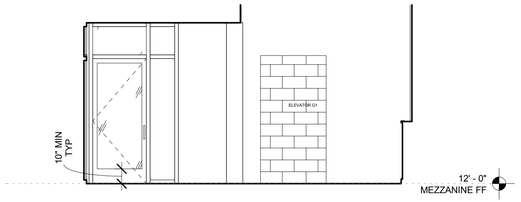
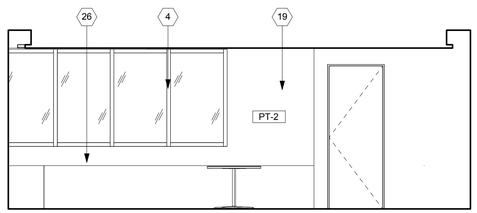
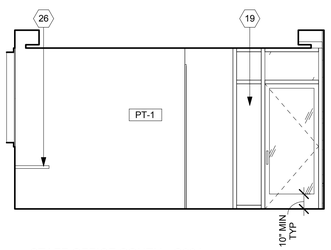


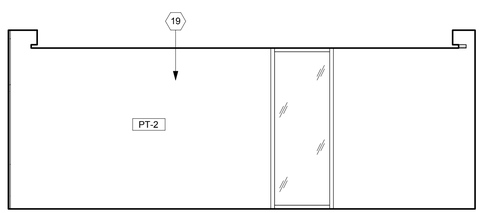
9 MEZZANINE FOYER - NORTH
1/4" = 1'-0"



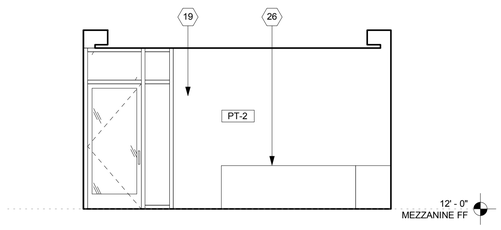
8 STAFF OFFICE EAST - G201
1/4" = 1'-0"



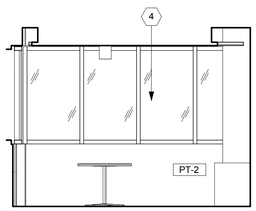
7 STAFF OFFICE SOUTH - G201
1/4" = 1'-0"



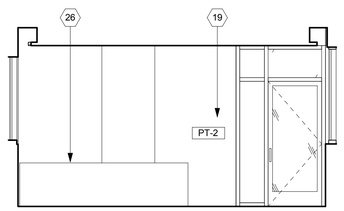
6 STAFF OFFICE WEST - G201
1/4" = 1'-0"



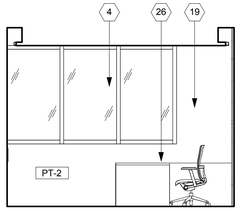
5 STAFF OFFICE NORTH - G201
1/4" = 1'-0"



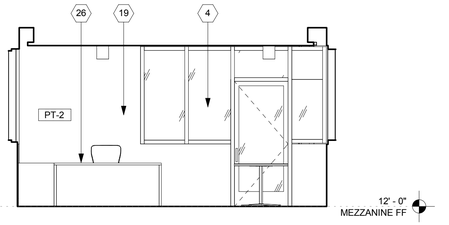
4 PARK DIRECTOR OFFICE EAST - G200
1/4" = 1'-0"



3 PARK DIRECTOR OFFICE SOUTH - G200
1/4" = 1'-0"



2 PARK DIRECTOR OFFICE WEST - G200
1/4" = 1'-0"



1 PARK DIRECTOR OFFICE NORTH - G200
1/4" = 1'-0"

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16. MECHANICAL EQUIP. SEE MECHANICAL DWGS
17. ALUMINUM SLAT CEILING ASSEMBLY
18. SCOREBOARD
19. PAINTED GYPSUM BOARD
20. PAINTED GREEN BOARD
21. SELF HEALING BULLETIN BOARD
22. SUBWAY TILE
23. LARGE FORMAT TILE
24. PHENOLIC PARTITION
25. 1" SOLID SURFACE COUNTER TOP
26. LAMINATE COUNTER TOP
27. WOOD CASEWORK
28. GYM WALL PADDING
29. EXTERIOR PLASTER FINISH
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31. SANITARY NAPKIN
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33. SOAP DISPENSER
34. SWIMSUIT SPINNER
35. GRAB RAIL
36. CHANGING TABLE
37. PORTABLE FIRE EXTINGUISHER
38. MIRROR
39. CHAIN LINK FENCE

INTERIOR ELEVATION LEGEND

- PAINTED GYPSUM BOARD
- WF-2 LARGE FORMAT TILE
- WF-4 SELF HEALING BULLETIN BOARD
- WF-5 GYM WALL PADS
- WF-6 BIO-IMPREGNATED WOOD SIDING
- WF-7 CEMENT MASONRY UNIT
- WF-8 SUBWAY TILE
- WF-9 STOREFRONT / CURTAIN WALL

BUREAU OF ENGINEERING
OFFICIAL RECORD

BID SET SUBMITTAL

CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS

BUREAU OF ENGINEERING

ENGINEERING
CITY OF LOS ANGELES

NO. REVISIONS: DATE: BY:

BUILDING NO.

INDEX NO. RP 300094

LICENSED ARCHITECT JOHN E. PALI C-19741 5/31/2017 RENEW STATE OF CALIFORNIA

CITY ENGINEER DATE:

GARY LEE MOORE, PE, ENV SP
ARCHITECTURAL DIVISION
LIC. NO. C-19741

ARCHITECT: ZOLTAN E. PALI, FAIA
DESIGNED BY: ZEP
DRAWN BY: AOS
CHECKED BY: SM
APPROVED BY: MAHMOOD KARIMZADEH, A.I.A., PRINCIPAL ARCHITECT

VERTICAL CONTROL:
HORIZONTAL CONTROL:

SHEET TITLE: INTERIOR ELEVATIONS

PROJECT: RANCHO CIENEGA SPORTS COMPLEX

ADDRESS: 5001 RODEO ROAD
LOS ANGELES, CA 90016

WORK ORDER NO. E1907694

PLAN FILE NO.

DRAWING NO. A-705

SHEET OF SHEETS

PLOTTED: 12/22/2016 4:27:43 PM

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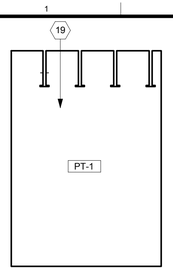
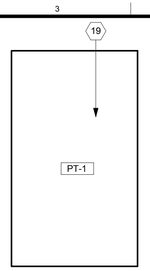
REVISION DATES (DESIGN STAGE ONLY)

TEMPLATE SHEET REVISION DATE: 08/2014
REVISION DATE: 10/24/2016 5:30 PM FILE: Z:\14-018 RANCHO CIENEGA SPORTS COMPLEX\DRAWINGS\REVITLINKS-AUTOCAD\BOE_TITLEBLOCK_CD_90PERCENT.DWG



20 FITNESS STORAGE B EAST - P208
1/4" = 1'-0"



19 FITNESS STORAGE B SOUTH - P208
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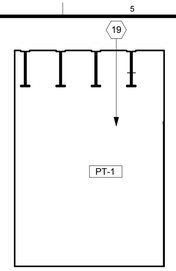

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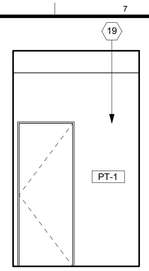

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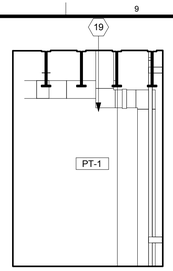

16 WEIGHT ROOM STORAGE EAST - P206
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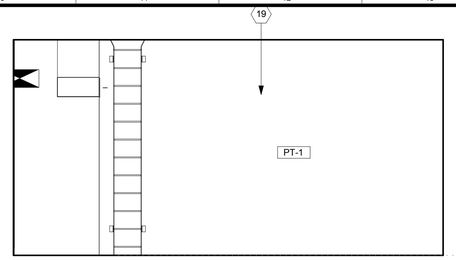

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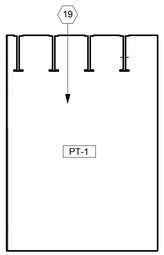

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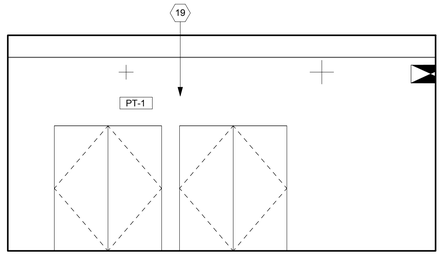

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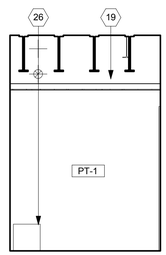
1/4" = 1'-0"



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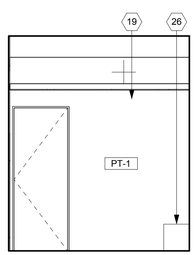

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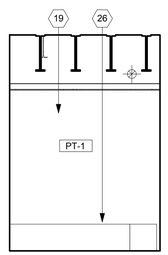

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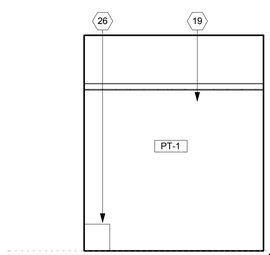

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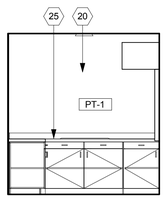

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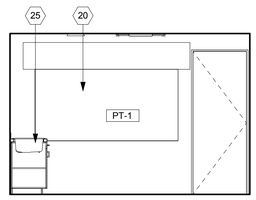

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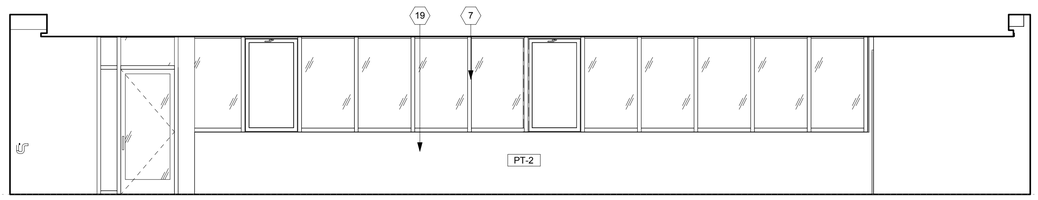

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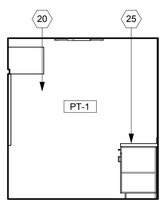

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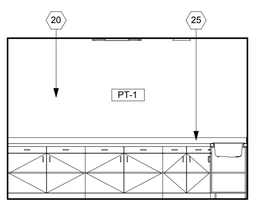
1/4" = 1'-0"



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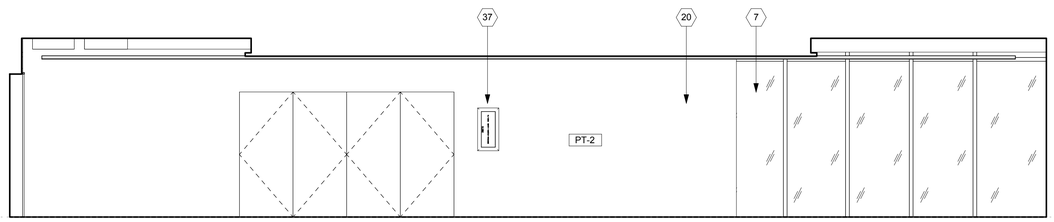

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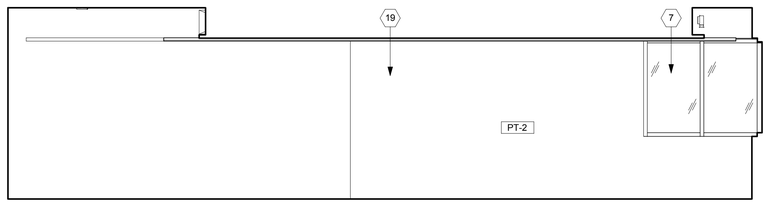

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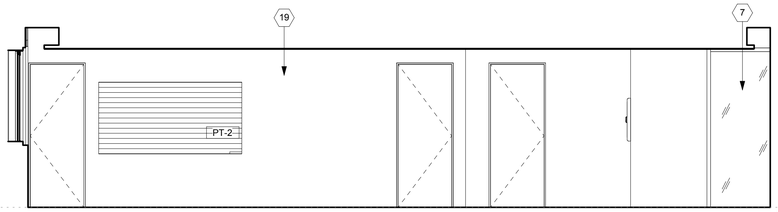
1/4" = 1'-0"



1 COMMUNITY RM NORTH - P202
1/4" = 1'-0"

GENERAL NOTES

1. KEYNOTES ARE SPECIFIC TO THE DRAWING SECTION IN WHICH THEY RESIDE.
2. ALL DIMENSIONS ARE TO FACE OF FINISH UNLESS OTHERWISE NOTED.
3. DO NOT SCALE FROM DRAWINGS. ANY INCONSISTENCIES OR UNFORESEEN CONDITIONS TO BE REVIEWERED BY THE ARCHITECT PRIOR TO PROCEEDING WITH CONSTRUCTION
4. GRID REFERENCES AND DIMENSIONS ARE INDICATED FOR REFERENCE ONLY
5. SEE SHEET A-920/A-921/A-922/A-923 FOR WINDOW SCHEDULE.
6. PROVIDE ANTI-GRAFFITI COATING @ ALL EXTERIOR WALLS. AGC TO BE APPLIED TO TOP OF FIRST FLOOR WALLS. SEE SECTION 09 86 00
7. ALL EXPOSED STEEL (EXTERIOR AND INTERIOR) TO BE PAINTED W/ HIGH PERFORMANCE COATING.
8. SEE A-300 FOR PEMB DESIGN/BUILD SCOPE

INTERIOR ELEVATION KEYNOTES

1. PRE-ENGINEERED METAL BUILDING FRAME
2. STEEL FRAMING. SEE STRUCTURAL
3. PTD. CEMENT MASONRY UNIT
4. GLAZING
5. DROP CEILING
6. BIO-IMPREGNATED WOOD VERTICAL LOUVERS
7. STOREFRONT
8. DOOR AS SCHEDULED
9. STEEL ROD RAILING
10. GLASS BARRIER
11. GATE
12. BLEACHERS
13. METAL CHANNEL
14. BUILT IN SEATING
15. CEILING HUNG BASKETBALL HOOP
16. MECHANICAL EQUIP. SEE MECHANICAL DWGS
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OFFICIAL RECORD

ENGINEERING
CITY OF LOS ANGELES

BUREAU OF ENGINEERING

NO.	REVISIONS:	DATE:	BY:

BUILDING NO.

INDEX NO. RP 300094

LICENSED ARCHITECT
JOHN E. PALI
C-19741
5/31/2017
DATE
STATE OF CALIFORNIA

BID SET SUBMITTAL

CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS

CITY ENGINEER: GARY LEE MOORE, PE, ENV SP
DATE:
ARCHITECTURAL DIVISION
ARCHITECT: ZOLTAN E. PALI, FAIA
LIC. NO. C-19741
DESIGNED BY: ZEP
DRAWN BY: AOS
CHECKED BY: SM
APPROVED BY: MAHMOOD KARIMZADEH, A.I.A., PRINCIPAL ARCHITECT

VERTICAL CONTROL:
HORIZONTAL CONTROL:

SHEET TITLE: INTERIOR ELEVATIONS

PROJECT: RANCHO CIENEGA SPORTS COMPLEX
ADDRESS: 5001 RODEO ROAD
LOS ANGELES, CA 90016

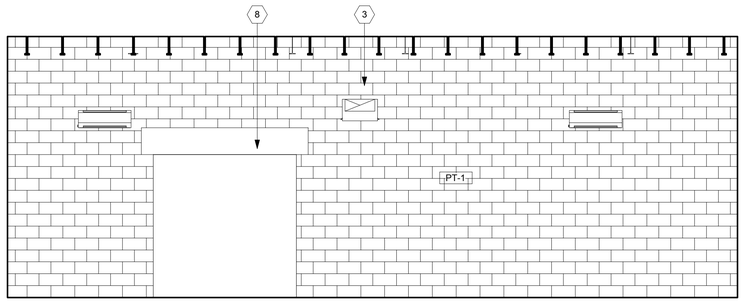
WORK ORDER NO.
E1907694
PLAN FILE NO.
DRAWING NO.
A-706
SHEET OF SHEETS

PLOTTED: 12/22/2016 4:27:56 PM

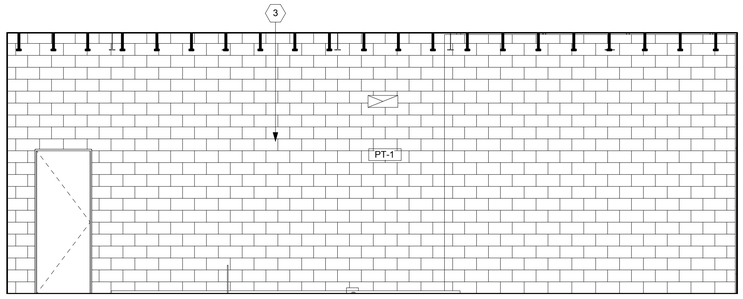
REVISION DATES (DESIGN STAGE ONLY)

TEMPLATE SHEET REVISION DATE: 09/2014
REVISION DATE: 10/24/2016 5:30 PM FILE: Z:\14-018 RANCHO CIENEGA SPORTS COMPLEX\DRAWINGS\REVIT\LINKS-AUTOCAD\BOE_TITLEBLOCK_CD_30PERCENT.DWG

THE CITY OF LOS ANGELES OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF ELECTRONIC COPIES OF THIS PLAN SHEET.



16 POOL EQUIPMENT EAST - P127
1/4" = 1'-0"



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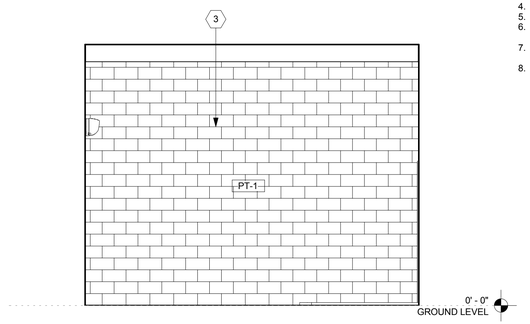

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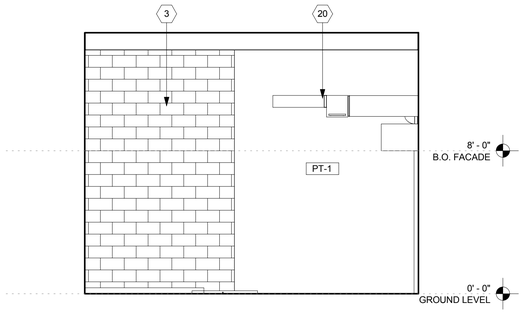

13 POOL EQUIPMENT NORTH - P127
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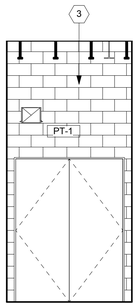

12 POOL EQUIP. TANK 01 EAST - P128
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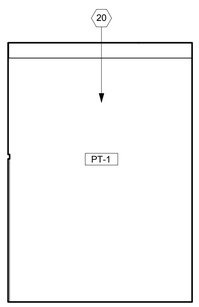

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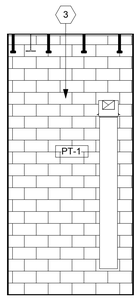

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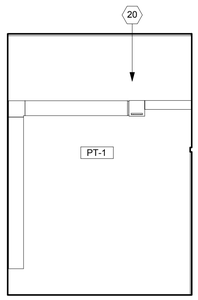

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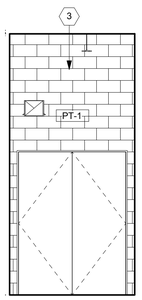

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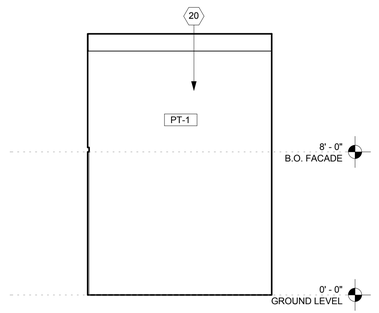

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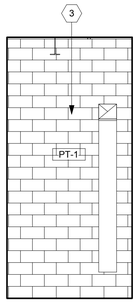

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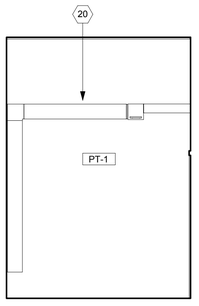

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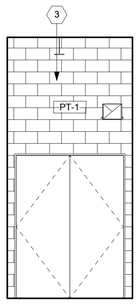
1/4" = 1'-0"



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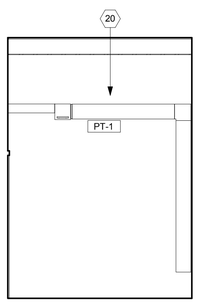

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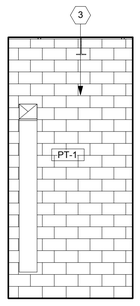
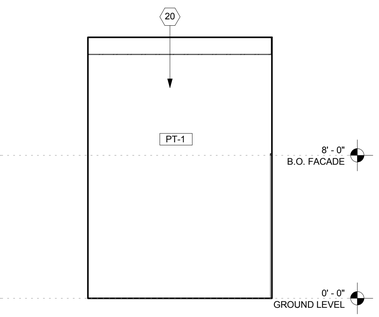


2 POOL EQUIP. TANK 03 WEST - P130
1/4" = 1'-0"



1 POOL EQUIP. TANK 03 NORTH - P130
1/4" = 1'-0"

GENERAL NOTES

1. KEYNOTES ARE SPECIFIC TO THE DRAWING SECTION IN WHICH THEY RESIDE.
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5. SEE SHEET A-920/A-921/A-922/A-923 FOR WINDOW SCHEDULE.
6. PROVIDE ANTI-GRAFFITI COATING @ ALL EXTERIOR WALLS. AGC TO BE APPLIED TO TOP OF FIRST FLOOR WALLS. SEE SECTION 09 86 00
7. ALL EXPOSED STEEL (EXTERIOR AND INTERIOR) TO BE PAINTED W/ HIGH PERFORMANCE COATING.
8. SEE A-300 FOR PEMB DESIGN/BUILD SCOPE

INTERIOR ELEVATION KEYNOTES

1. PRE-ENGINEERED METAL BUILDING FRAME
2. STEEL FRAMING. SEE STRUCTURAL
3. PTD. CEMENT MASONRY UNIT
4. GLAZING
5. DROP CEILING
6. BIO-IMPREGNATED WOOD VERTICAL LOUVERS
7. STOREFRONT
8. DOOR AS SCHEDULED
9. STEEL ROD RAILING
10. GLASS BARRIER
11. GATE
12. BLEACHERS
13. METAL CHANNEL
14. BUILT IN SEATING
15. CEILING HUNG BASKETBALL HOOP
16. MECHANICAL EQUIP. SEE MECHANICAL DWGS
17. ALUMINUM SLAT CEILING ASSEMBLY
18. SCOREBOARD
19. PAINTED GYPSUM BOARD
20. PAINTED GREEN BOARD
21. SELF HEALING BULLETIN BOARD
22. SUBWAY TILE
23. LARGE FORMAT TILE
24. PHENOLIC PARTITION
25. 1" SOLID SURFACE COUNTER TOP
26. LAMINATE COUNTER TOP
27. WOOD CASEWORK
28. GYM WALL PADDING
29. EXTERIOR PLASTER FINISH
30. TOILET PAPER DISPENSER
31. SANITARY NAPKIN
32. COMBO PAPER TOWEL AND TRASH
33. SOAP DISPENSER
34. SWIMSUIT SPINNER
35. GRAB RAIL
36. CHANGING TABLE
37. PORTABLE FIRE EXTINGUISHER
38. MIRROR
39. CHAIN LINK FENCE

INTERIOR ELEVATION LEGEND

- PAINTED GYPSUM BOARD
- WF-2 LARGE FORMAT TILE
- WF-4 SELF HEALING BULLETIN BOARD
- WF-5 GYM WALL PADS
- WF-6 BIO-IMPREGNATED WOOD SIDING
- WF-7 CEMENT MASONRY UNIT
- WF-8 SUBWAY TILE
- WF-9 STOREFRONT / CURTAIN WALL

BUREAU OF ENGINEERING
OFFICIAL RECORD

BID SET SUBMITTAL

CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS

GARY LEE MOORE, PE, ENV SP CITY ENGINEER
ARCHITECTURAL DIVISION LIC. NO. C-19741
ARCHITECT: ZOLTAN E. PALI, FAIA DATE:
DESIGNED BY: ZEP
DRAWN BY: AOS
CHECKED BY: SM
APPROVED BY: MAHMOOD KARIMZADEH, A.I.A., PRINCIPAL ARCHITECT

VERTICAL CONTROL:
HORIZONTAL CONTROL:

SHEET TITLE: INTERIOR ELEVATIONS

PROJECT: RANCHO CIENEGA SPORTS COMPLEX
ADDRESS: 5001 RODEO ROAD
LOS ANGELES, CA 90016

WORK ORDER NO. E1907694
PLAN FILE NO.
DRAWING NO. A-707
SHEET OF SHEETS

BUREAU OF ENGINEERING
CITY OF LOS ANGELES

NO. REVISIONS: DATE: BY:

BUILDING NO.
INDEX NO. RP 300094

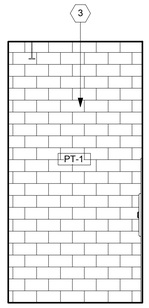
LICENSED ARCHITECT ZOLTAN E. PALI C-19741 5/31/2017 RENEW DATE STATE OF CALIFORNIA

REVISION DATES: (DESIGN STAGE ONLY)

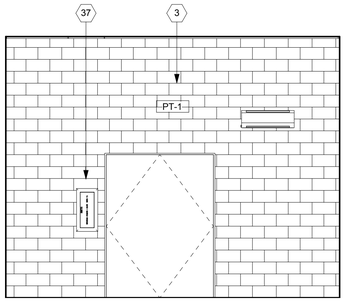
THE CITY OF LOS ANGELES OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF ELECTRONIC COPIES OF THIS PLAN SHEET.

TEMPLATE SHEET REVISION DATE: 08/2014
REVISION DATE: 10/24/2016 5:30 PM FILE: Z:\14-018 RANCHO CIENEGA SPORTS COMPLEX\DRAWINGS\REVIT\LINKS AUTOCAD\BOE_TITLEBLOCK_CD_90PERCENT.DWG

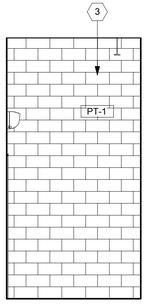
PLOTTED: 12/22/2016 4:28:05 PM



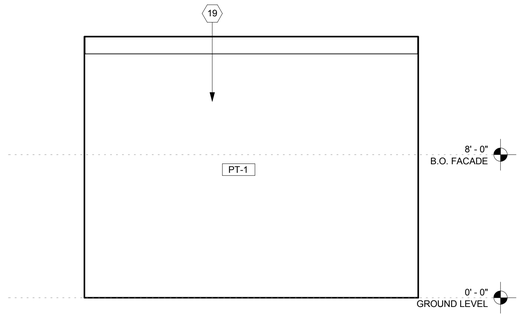
12 ELECTRICAL EAST - P132
1/4" = 1'-0"



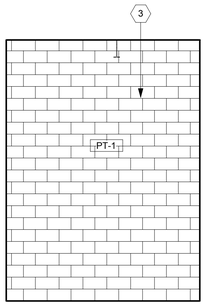
11 ELECTRICAL SOUTH - P132
1/4" = 1'-0"



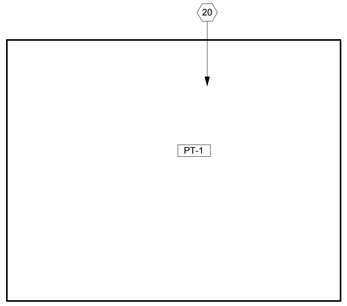
10 ELECTRICAL WEST - P132
1/4" = 1'-0"



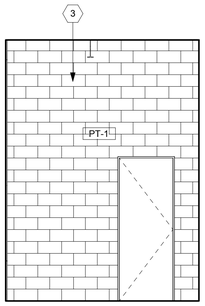
9 ELECTRICAL NORTH - P132
1/4" = 1'-0"



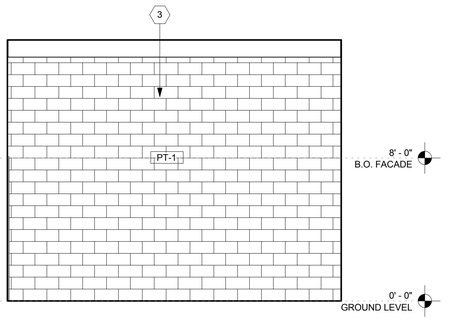
8 POOL STORAGE EAST - P126
1/4" = 1'-0"



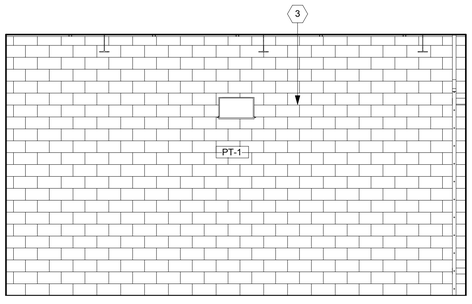
7 POOL STORAGE SOUTH - P126
1/4" = 1'-0"



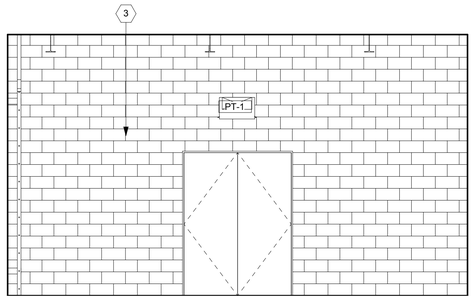
6 POOL STORAGE WEST - P126
1/4" = 1'-0"



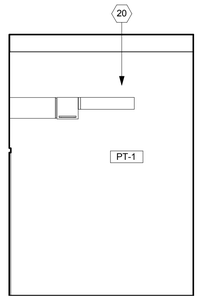
5 POOL STORAGE NORTH - P126
1/4" = 1'-0"



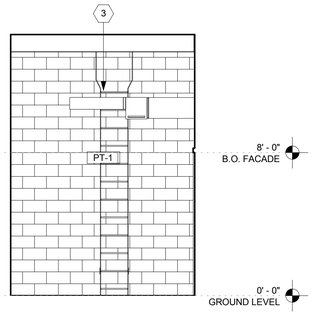
4 WATER TREATMENT EAST - P131
1/4" = 1'-0"



3 WATER TREATMENT SOUTH - P131
1/4" = 1'-0"



2 WATER TREATMENT WEST - P131
1/4" = 1'-0"



1 WATER TREATMENT NORTH - P131
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BUREAU OF ENGINEERING
OFFICIAL RECORD

BUREAU OF ENGINEERING
ENGINEERING
CITY OF LOS ANGELES

NO. REVISIONS: DATE: BY:

BUILDING NO.

INDEX NO. RP 300094

LICENSED ARCHITECT ZOLTAN E. PALI C-19741 5/31/2017 STATE OF CALIFORNIA

BID SET SUBMITTAL

CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS

GARY LEE MOORE, PE, ENV SP CITY ENGINEER
ARCHITECTURAL DIVISION
ARCHITECT: ZOLTAN E. PALI, FAIA LIC. NO. C-19741 DATE:
DESIGNED BY: ZEP
DRAWN BY: AOS
CHECKED BY: SM
APPROVED BY: MAHMOOD KARIMZADEH, A.I.A., PRINCIPAL ARCHITECT

VERTICAL CONTROL:
HORIZONTAL CONTROL:

SHEET TITLE: INTERIOR ELEVATIONS

PROJECT: RANCHO CIENEGA SPORTS COMPLEX

ADDRESS: 5001 RODEO ROAD
LOS ANGELES, CA 90016

WORK ORDER NO. E1907694
PLAN FILE NO.
DRAWING NO. A-708
SHEET OF SHEETS

PLOTTED: 12/22/2016 4:28:12 PM

REVISION DATES: (DESIGN STAGE ONLY)

TEMPLATE SHEET REVISION DATE: 08/2014
REVISION DATE: 10/24/2016 6:30 PM FILE: Z:\14-018 RANCHO CIENEGA SPORTS COMPLEX\DRAWINGS\REVIT\LINKS\AUTOCAD\BOE_TITLEBLOCK_CD_90PERCENT.DWG

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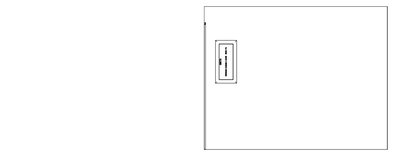
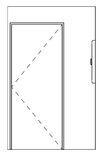


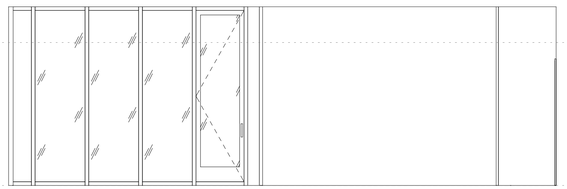
16 PRO SHOP STORAGE EAST
1/4" = 1'-0"

15 PRO SHOP STORAGE SOUTH
1/4" = 1'-0"

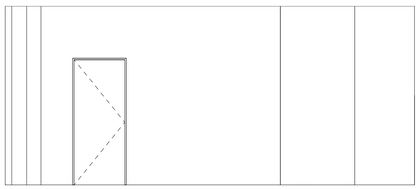
14 PRO SHOP STORAGE WEST
1/4" = 1'-0"



13 PRO SHOP STORAGE NORTH
1/4" = 1'-0"



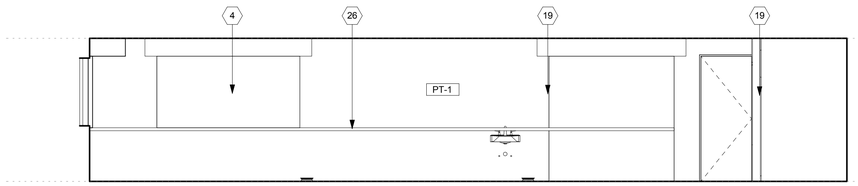
12 PRO SHOP EAST
1/4" = 1'-0"



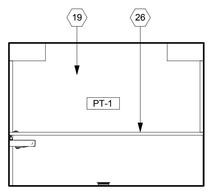
11 PRO SHOP SOUTH
1/4" = 1'-0"

10 PRO SHOP WEST
1/4" = 1'-0"

9 PRO SHOP NORTH
1/4" = 1'-0"



8 CONSESSIONS EAST - S101
1/4" = 1'-0"



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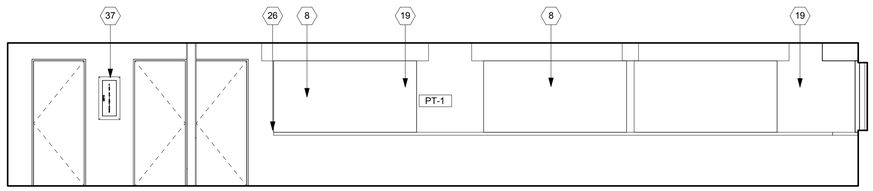
1/4" = 1'-0"



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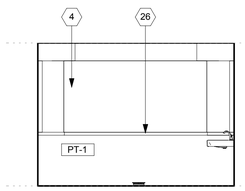
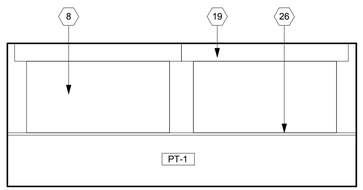
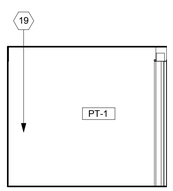
1/4" = 1'-0"



5 CONSESSIONS NORTH - S101
1/4" = 1'-0"



4 TICKET OFFICE EAST - S100
1/4" = 1'-0"



3 TICKET OFFICE SOUTH - S100
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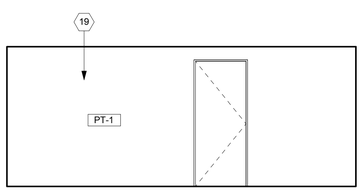
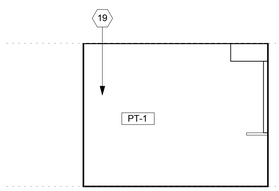


2 TICKET OFFICE WEST - S100
1/4" = 1'-0"



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WF-6 BIO-IMPREGNATED WOOD SIDING
WF-7 CEMENT MASONRY UNIT
WF-8 SUBWAY TILE
WF-9 STOREFRONT / CURTAIN WALL

BUREAU OF ENGINEERING
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ENGINEERING
CITY OF LOS ANGELES

BUREAU OF ENGINEERING

NO. REVISIONS: DATE: BY:

BUILDING NO.

INDEX NO. RP 300094

LICENSED ARCHITECT
ZOLTAN E. PALI
C-19741
5/31/2017
RENEWAL DATE
STATE OF CALIFORNIA

BID SET SUBMITTAL

CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS

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DRAWN BY: AOS
CHECKED BY: SM
APPROVED BY: MAHMOOD KARIMZADEH, A.I.A., PRINCIPAL ARCHITECT

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PROJECT: RANCHO CIENEGA SPORTS COMPLEX
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LOS ANGELES, CA 90016

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PLAN FILE NO.
DRAWING NO. A-709
SHEET OF SHEETS

PLOTTED: 12/22/2016 4:28:21 PM

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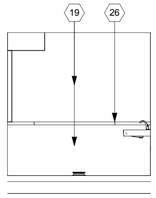
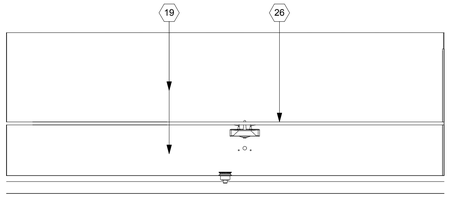
TEMPLATE SHEET REVISION DATE: 08/2014
REVISION DATE: 10/24/2016 5:30 PM FILE: Z:\14-018 RANCHO CIENEGA SPORTS COMPLEX\DRAWINGS\REVITLINKS-AUTOCAD\BOE_TITLEBLOCK_CD_90PERCENT.DWG

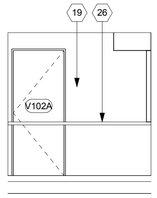
REVISION DATES (DESIGN STAGE ONLY)



16 VISITOR CONCESSIONS EAST
1/4" = 1'-0"



15 VISITOR CONCESSIONS SOUTH
1/4" = 1'-0"



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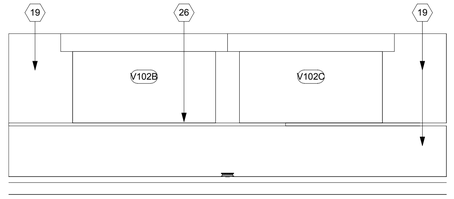
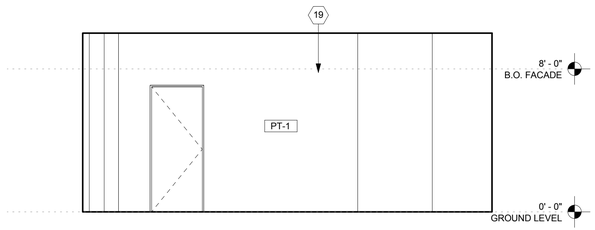
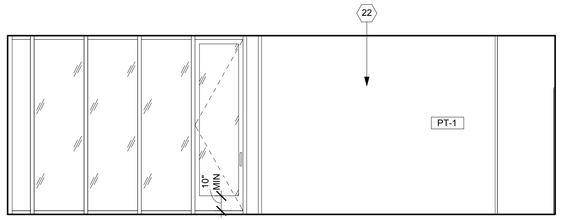
1/4" = 1'-0"



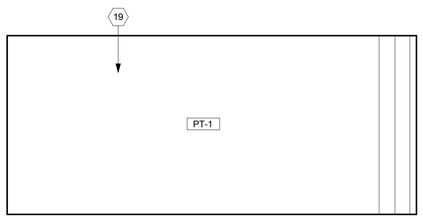
13 VISITOR CONCESSIONS NORTH
1/4" = 1'-0"



12 EXISTING TENNIS PRO SHOP SOUTH - T200
1/4" = 1'-0"



11 EXISTING TENNIS PRO SHOP EAST - T200
1/4" = 1'-0"



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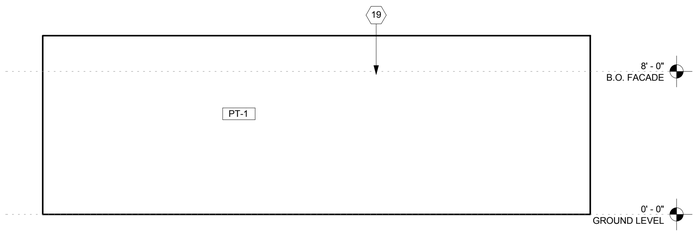
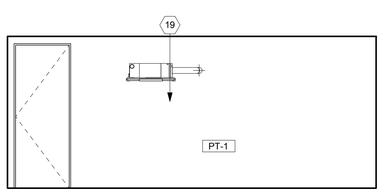
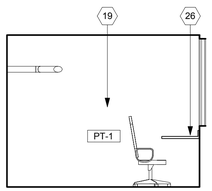
1/4" = 1'-0"



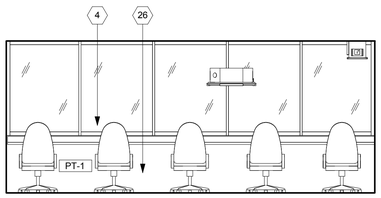
9 EXISTING TENNIS PRO SHOP WEST - T200
1/4" = 1'-0"



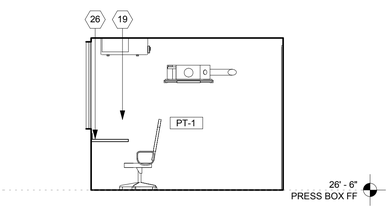
8 PRESS BOX EAST - S201
1/4" = 1'-0"



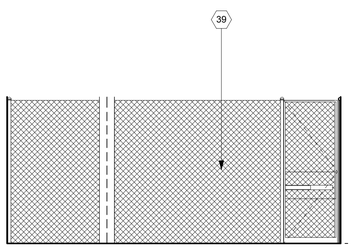
7 PRESS BOX SOUTH - S201
1/4" = 1'-0"



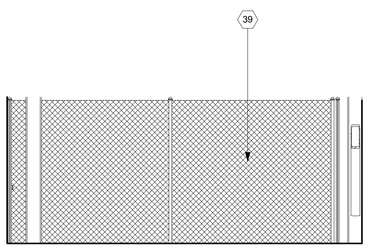
6 PRESS BOX WEST - S201
1/4" = 1'-0"



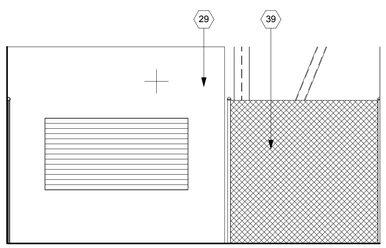
5 PRESS BOX - NORTH
1/4" = 1'-0"



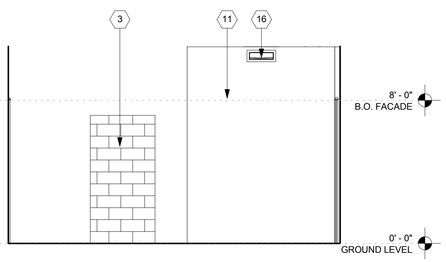
4 VIP LOBBY EAST - S104
1/4" = 1'-0"



3 VIP LOBBY SOUTH - S104
1/4" = 1'-0"



2 VIP LOBBY WEST - S104
1/4" = 1'-0"



1 VIP LOBBY NORTH - S104
1/4" = 1'-0"

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19. PAINTED GYPSUM BOARD
20. PAINTED GREEN BOARD
21. SELF HEALING BULLETIN BOARD
22. SUBWAY TILE
23. LARGE FORMAT TILE
24. PHENOLIC PARTITION
25. 1" SOLID SURFACE COUNTER TOP
26. LAMINATE COUNTER TOP
27. WOOD CASEWORK
28. GYM WALL PADDING
29. EXTERIOR PLASTER FINISH
30. TOILET PAPER DISPENSER
31. SANITARY NAPKIN
32. COMBO PAPER TOWEL AND TRASH
33. SOAP DISPENSER
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35. GRAB RAIL
36. CHANGING TABLE
37. PORTABLE FIRE EXTINGUISHER
38. MIRROR
39. CHAIN LINK FENCE

INTERIOR ELEVATION LEGEND

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- WF-2 LARGE FORMAT TILE
- WF-4 SELF HEALING BULLETIN BOARD
- WF-5 GYM WALL PADS
- WF-6 BIO-IMPREGNATED WOOD SIDING
- WF-7 CEMENT MASONRY UNIT
- WF-8 SUBWAY TILE
- WF-9 STOREFRONT / CURTAIN WALL

BUREAU OF ENGINEERING
OFFICIAL RECORD

ENGINEERING
CITY OF LOS ANGELES

BUREAU OF ENGINEERING

NO.	REVISIONS:	DATE:	BY:

BUILDING NO.

INDEX NO. RP 300094

LICENSED ARCHITECT
ZOLTAN E. PALI
C-19741
5/31/2017
RENEWAL DATE
STATE OF CALIFORNIA

BID SET SUBMITTAL

CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS

GARY LEE MOORE, PE, ENV SP CITY ENGINEER
ARCHITECTURAL DIVISION
ARCHITECT: ZOLTAN E. PALI, FAIA LIC. NO. C-19741
DESIGNED BY: ZEP
DRAWN BY: AOS
CHECKED BY: SM
APPROVED BY: MAHMOOD KARIMZADEH, A.I.A., PRINCIPAL ARCHITECT
DATE:

VERTICAL CONTROL:
HORIZONTAL CONTROL:

SHEET TITLE: INTERIOR ELEVATIONS

PROJECT: RANCHO CIENEGA SPORTS COMPLEX
ADDRESS: 5001 RODEO ROAD
LOS ANGELES, CA 90016

WORK ORDER NO. E1907694
PLAN FILE NO.
DRAWING NO. A-710
SHEET OF SHEETS

PLOTTED: 12/22/2016 4:28:30 PM

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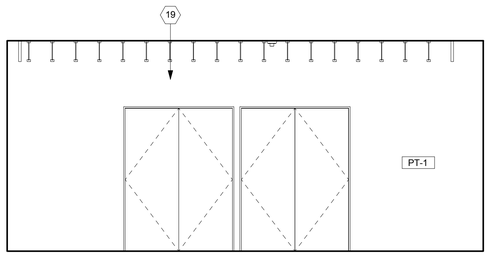
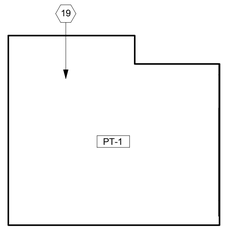
TEMPLATE SHEET REVISION DATE: 08/20/14
REVISION DATE: 10/24/2016 5:30 PM
FILE: Z:\14-018 RANCHO CIENEGA SPORTS COMPLEX\DRAWINGS\REVITLINKS-AUTOCAD\BOE_TITLEBLOCK_CD_90PERCENT.DWG

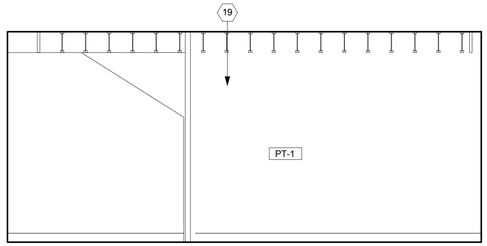
REVISION DATES (DESIGN STAGE ONLY)



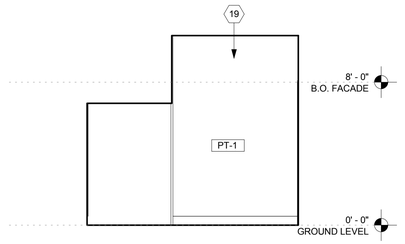
12 STORAGE B EAST - G109
1/4" = 1'-0"



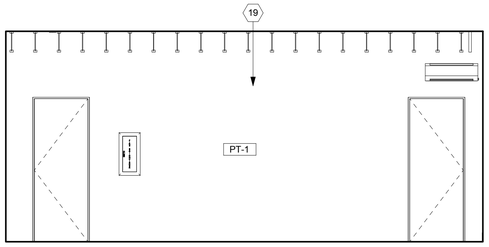
11 STORAGE B SOUTH - G109
1/4" = 1'-0"



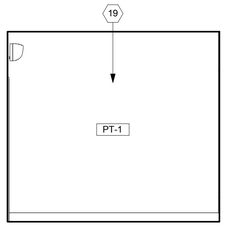
10 STORAGE B WEST - G109
1/4" = 1'-0"



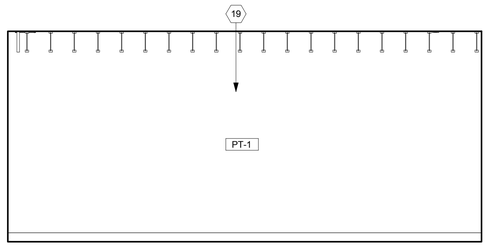
9 STORAGE B NORTH - G109
1/4" = 1'-0"



8 MAIN ELECTRICAL EAST - G107
1/4" = 1'-0"



7 MAIN ELECTRICAL SOUTH - G107
1/4" = 1'-0"



6 MAIN ELECTRICAL WEST - G107
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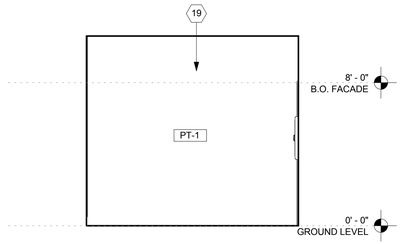
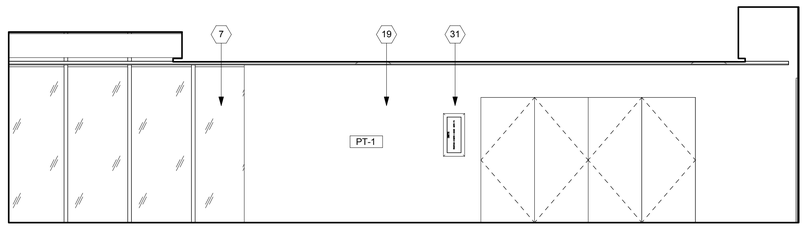
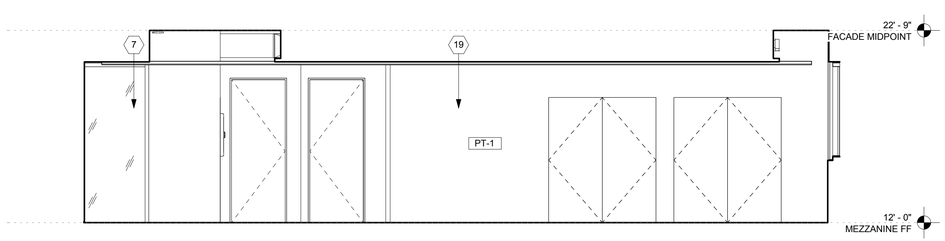


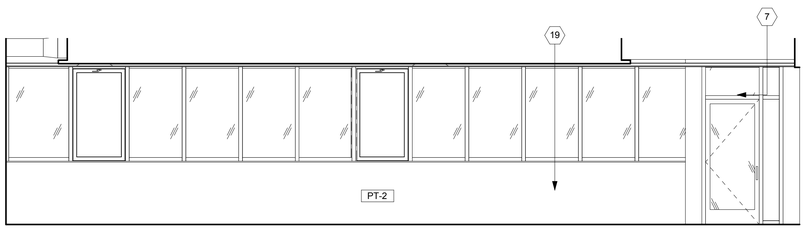
5 MAIN ELECTRICAL NORTH - G107
1/4" = 1'-0"



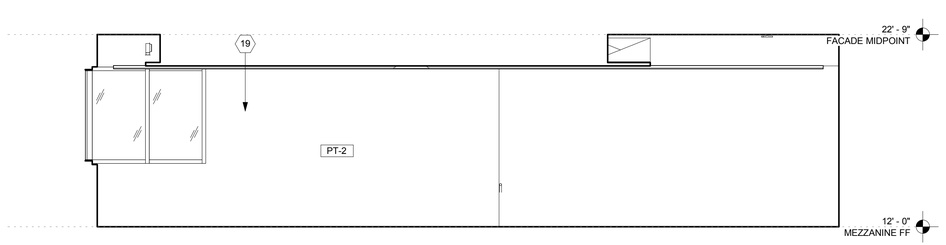
4 WEIGHT ROOM EAST - P205
1/4" = 1'-0"



3 WEIGHT ROOM SOUTH - P205
1/4" = 1'-0"



2 WEIGHT ROOM WEST - P205
1/4" = 1'-0"



1 WEIGHT ROOM NORTH - P205
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CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS

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ENGINEERING
CITY OF LOS ANGELES

NO. REVISIONS: DATE: BY:

BUILDING NO.

RP 300094

INDEX NO.

LICENSED ARCHITECT
JOHN E. PALI
C-19741
5/31/2017
RENEW
DATE
STATE OF CALIFORNIA

CITY ENGINEER
GARY LEE MOORE, PE, ENV SP
ARCHITECTURAL DIVISION
ARCHITECT: ZOLTAN E. PALI, FAIA
LIC. NO. C-19741
DESIGNED BY: ZEP
DRAWN BY: AOS
CHECKED BY: SM
APPROVED BY: MAHMOOD KARIMZADEH, A.I.A., PRINCIPAL ARCHITECT

VERTICAL CONTROL:
HORIZONTAL CONTROL:

SHEET TITLE: INTERIOR ELEVATIONS

PROJECT: RANCHO CIENEGA SPORTS COMPLEX
ADDRESS: 5001 RODEO ROAD
LOS ANGELES, CA 90016

WORK ORDER NO.
E1907694
PLAN FILE NO.
DRAWING NO.
A-711
SHEET OF SHEETS

PLOTTED: 12/22/2016 4:28:39 PM

REVISION DATES (DESIGN STAGE ONLY)

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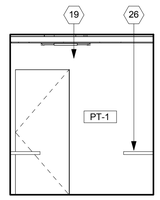
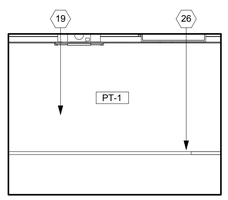
36. CHANGING TABLE
37. PORTABLE FIRE EXTINGUISHER
38. MIRROR
39. CHAIN LINK FENCE

INTERIOR ELEVATION LEGEND

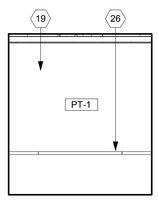
- PAINTED GYPSUM BOARD
- WF-2 LARGE FORMAT TILE
- WF-4 SELF HEALING BULLETIN BOARD
- WF-5 GYM WALL PADS
- WF-6 BIO-IMPREGNATED WOOD SIDING
- WF-7 CEMENT MASONRY UNIT
- WF-8 SUBWAY TILE
- WF-9 STOREFRONT / CURTAIN WALL



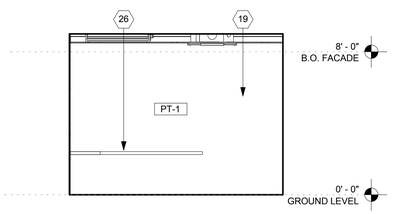
14 GOLD RM/ STORAGE EAST - P105
1/4" = 1'-0"



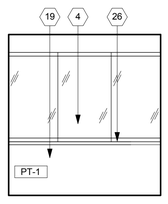
13 GOLD RM/ STORAGE SOUTH - P105
1/4" = 1'-0"



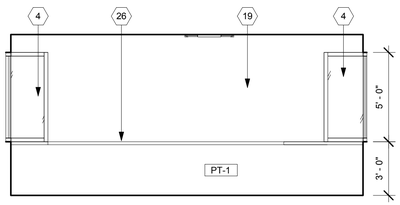
12 GOLD RM/ STORAGE WEST - P105
1/4" = 1'-0"



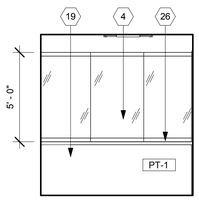
11 GOLD RM/ STORAGE NORTH - P105
1/4" = 1'-0"



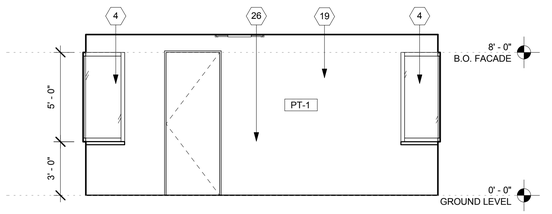
10 STAFF OFFICE/ RECEPTION EAST - P102
1/4" = 1'-0"



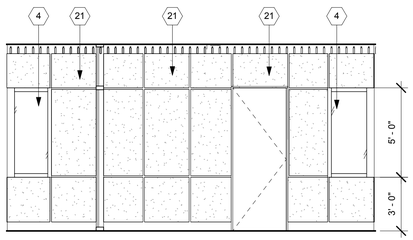
9 STAFF OFFICE/ RECEPTION SOUTH - P102
1/4" = 1'-0"



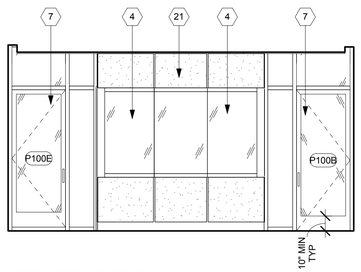
8 STAFF OFFICE/ RECEPTION WEST - P102
1/4" = 1'-0"



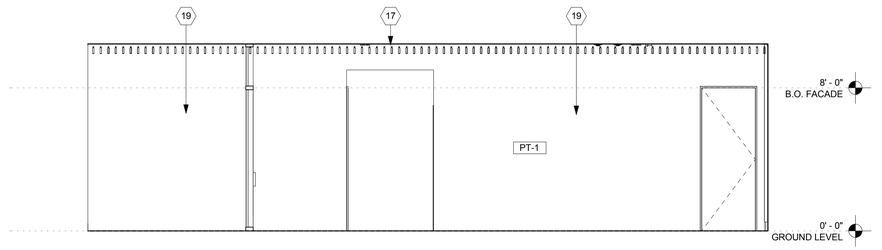
7 STAFF OFFICE/ RECEPTION NORTH - P102
1/4" = 1'-0"



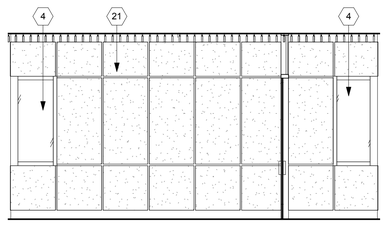
5 POOL LOBBY HALL SOUTH - P100
1/4" = 1'-0"



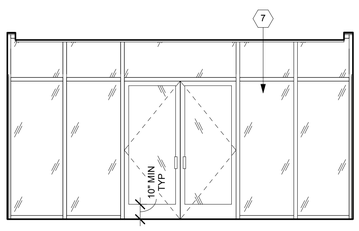
4 POOL LOBBY EAST - P100
1/4" = 1'-0"



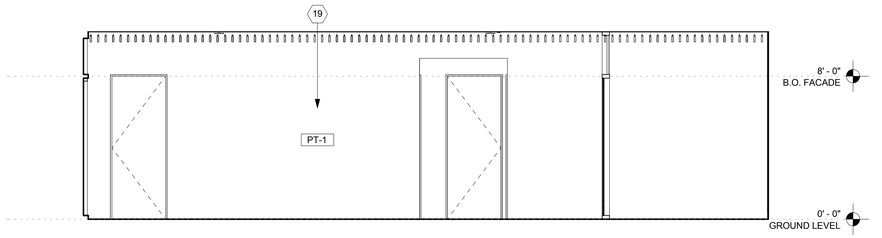
1 POOL LOBBY SOUTH - P100
1/4" = 1'-0"



6 POOL LOBBY HALL NORTH - P100
1/4" = 1'-0"



3 POOL LOBBY WEST - P100
1/4" = 1'-0"



2 POOL LOBBY NORTH - P100
1/4" = 1'-0"

BUREAU OF ENGINEERING
OFFICIAL RECORD

ENGINEERING
CITY OF LOS ANGELES

BUREAU OF ENGINEERING

NO.	REVISIONS:	DATE:	BY:

BUILDING NO.

INDEX NO. RP 300094

LICENSED ARCHITECT
JOHN E. PALI
C-19741
5/31/2017
RENEWAL DATE
STATE OF CALIFORNIA

BID SET SUBMITTAL

CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS

CITY ENGINEER: GARY LEE MOORE, PE, ENV SP
DATE:
ARCHITECTURAL DIVISION
LIC. NO. C-19741
ARCHITECT: ZOLTAN E. PALI, FAIA
DESIGNED BY: ZEP
DRAWN BY: AOS
CHECKED BY: SM
APPROVED BY: MAHMOOD KARIMZADEH, A.I.A., PRINCIPAL ARCHITECT

VERTICAL CONTROL:
HORIZONTAL CONTROL:

SHEET TITLE: INTERIOR ELEVATIONS

PROJECT: RANCHO CIENEGA SPORTS COMPLEX

ADDRESS: 5001 RODEO ROAD
LOS ANGELES, CA 90016

WORK ORDER NO.
E1907694

PLAN FILE NO.

DRAWING NO.
A-712

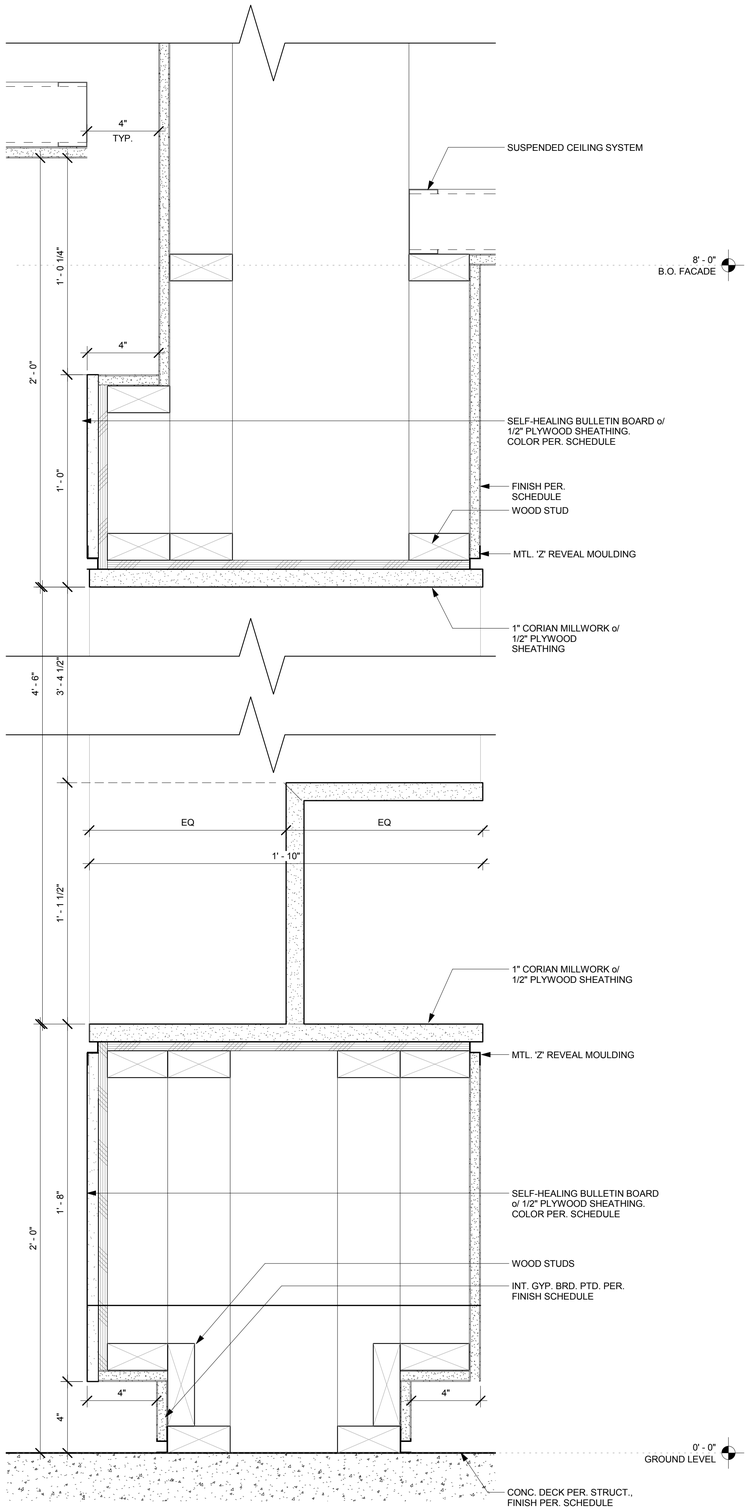
SHEET OF SHEETS

PLOTTED: 12/22/2016 4:28:48 PM

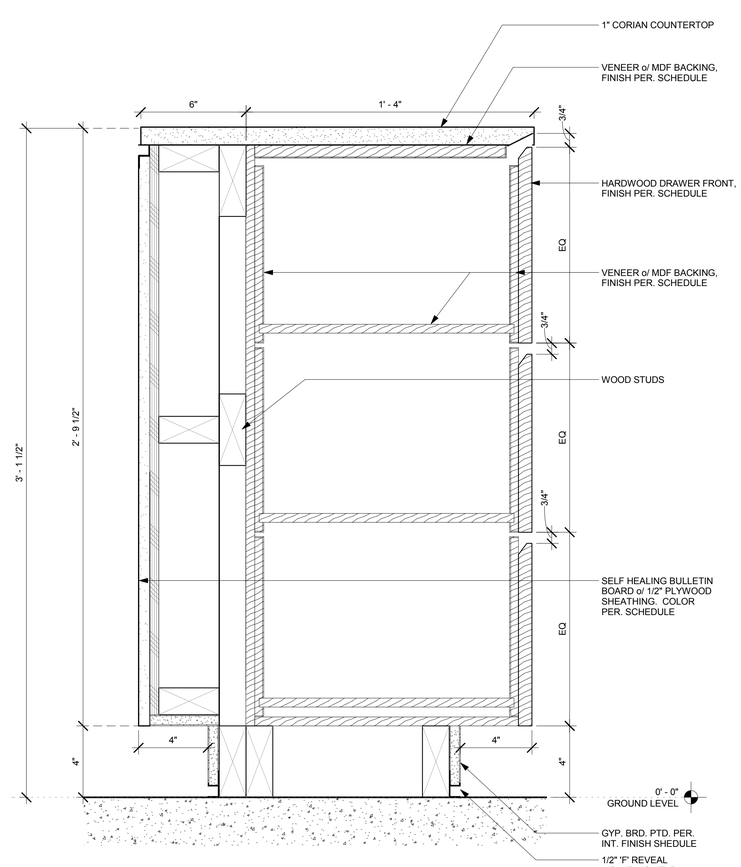
REVISION DATES (DESIGN STAGE ONLY)

TEMPLATE SHEET REVISION DATE: 08/2014
REVISION DATE: 10/24/2016 5:30 PM FILE: Z:\14-018 RANCHO CIENEGA SPORTS COMPLEX\DRAWINGS\REVITLINKS\AUTOCAD\BOE_TITLEBLOCK_CD_90PERCENT.DWG

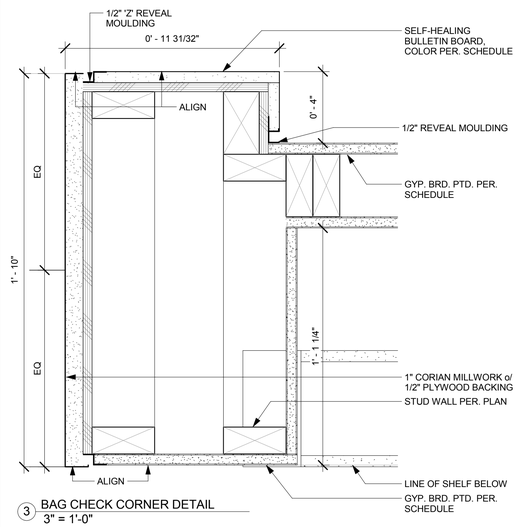
THE CITY OF LOS ANGELES OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF ELECTRONIC COPIES OF THIS PLAN SHEET.



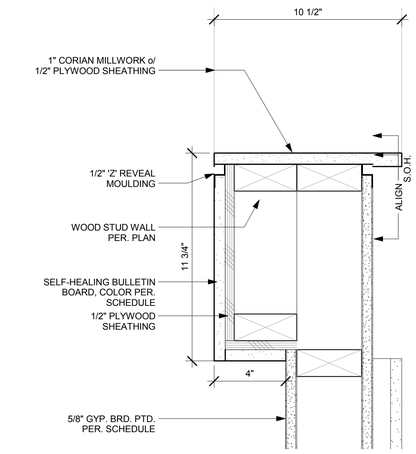
5 BAG CHECK CASEWORK SECTION @ SHELF
3" = 1'-0"



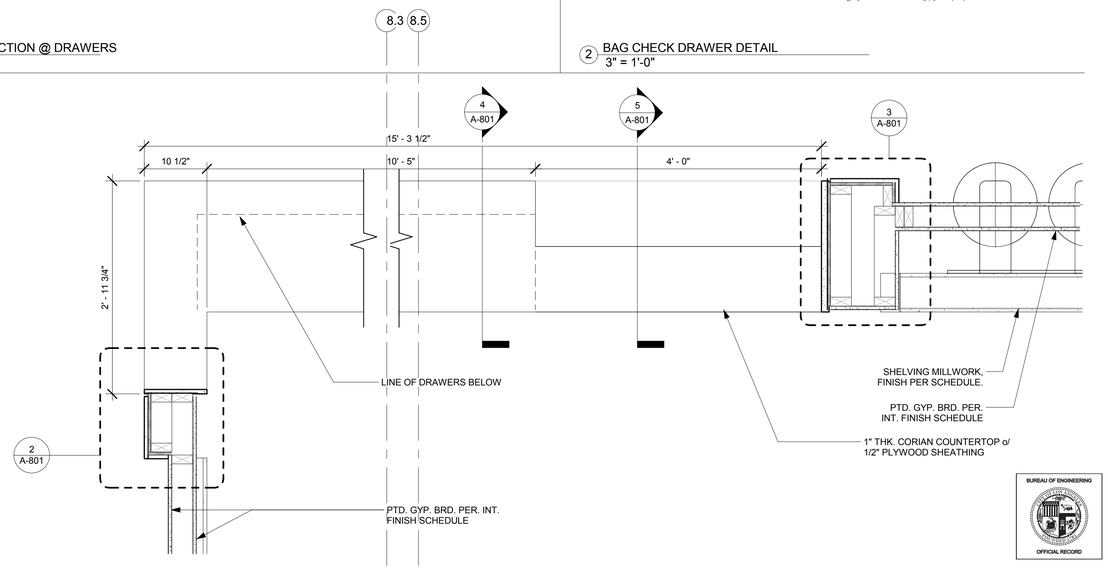
4 BAG CHECK CASEWORK SECTION @ DRAWERS
3" = 1'-0"



3 BAG CHECK CORNER DETAIL
3" = 1'-0"



2 BAG CHECK DRAWER DETAIL
3" = 1'-0"



1 ENLARGED PLAN @ BAG CHECK CASEWORK
1" = 1'-0"

8.3 8.5

THE CITY OF LOS ANGELES OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF ELECTRONIC COPIES OF THIS PLAN SHEET.

REVISION DATES (DESIGN STAGE ONLY)

TEMPLATE SHEET REVISION DATE: 08/2014
REVISION DATE: 10/24/2016 5:30 PM
FILE: Z:\14-018 RANCHO CIENEGA SPORTS COMPLEX\DRAWINGS\REVITLINKS-AUTOCAD\BOE_TITLEBLOCK_CD_90PERCENT.DWG

BUREAU OF ENGINEERING
ENGINEERING
CITY OF LOS ANGELES

DATE: BY:
NO. REVISIONS:

BUILDING NO.
RP 300094
INDEX NO.

LICENSED ARCHITECT
ZOLTAN E. PALI
C-19741
5/31/2017
STATE OF CALIFORNIA

BID SET SUBMITTAL
DEPARTMENT OF PUBLIC WORKS
CITY OF LOS ANGELES

GARY LEE MOORE, PE, ENV SP CITY ENGINEER
DATE:
ARCHITECTURAL DIVISION
ARCHITECT: ZOLTAN E. PALI, FAIA LIC. NO. C-19741
DESIGNED BY: ZEP
DRAWN BY: AOS
CHECKED BY: SM
APPROVED BY: MAHMOOD KARIMZADEH, A.I.A., PRINCIPAL ARCHITECT

VERTICAL CONTROL:
HORIZONTAL CONTROL:

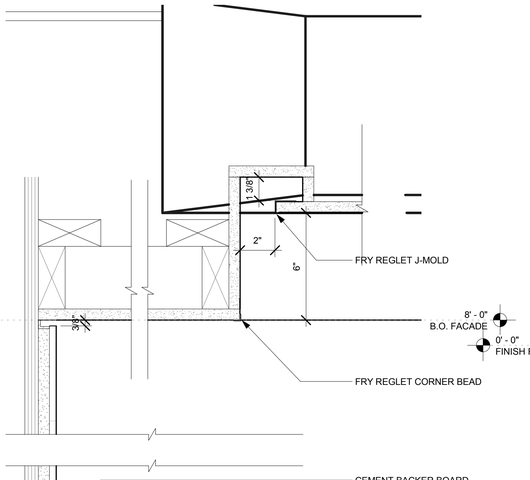
SHEET TITLE: DETAILS - BAG CHECK

PROJECT: RANCHO CIENEGA SPORTS COMPLEX
ADDRESS: 5001 RODEO ROAD
LOS ANGELES, CA 90016

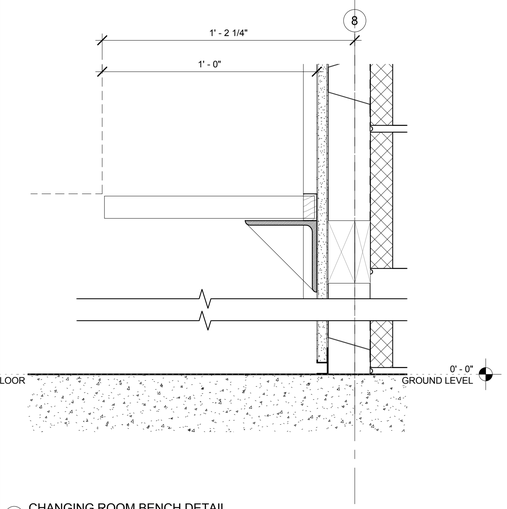
BUREAU OF ENGINEERING
OFFICIAL RECORD

WORK ORDER NO.
E1907694
PLAN FILE NO.
DRAWING NO.
A-801
SHEET OF SHEETS

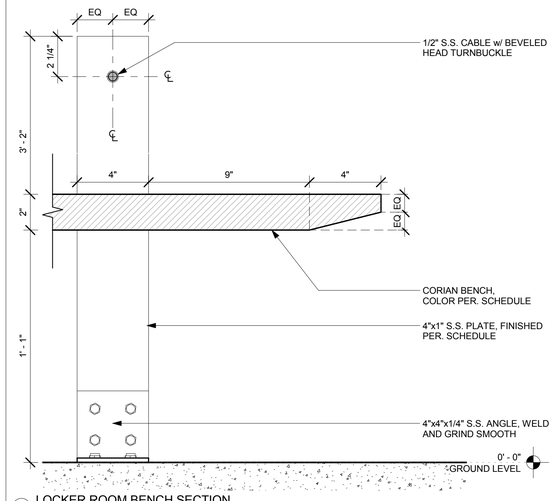
PLOTTED: 12/22/2016 4:28:53 PM



6 LOCKER ROOM VANITY - SECTION
3" = 1'-0"



4 CHANGING ROOM BENCH DETAIL
3" = 1'-0"



3 LOCKER ROOM BENCH SECTION
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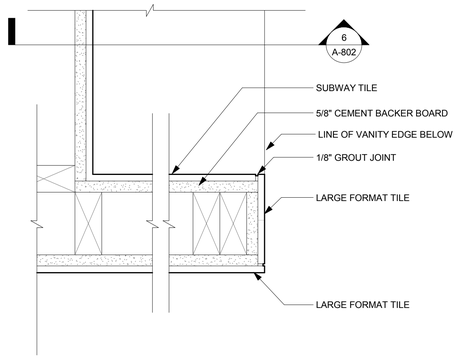
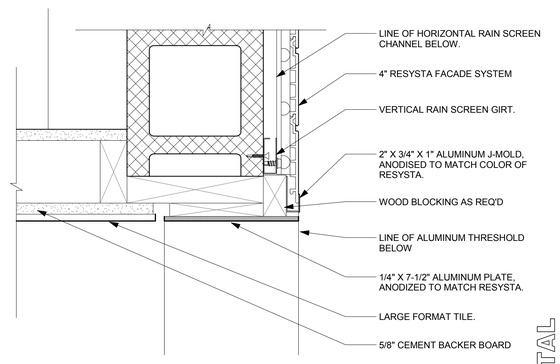
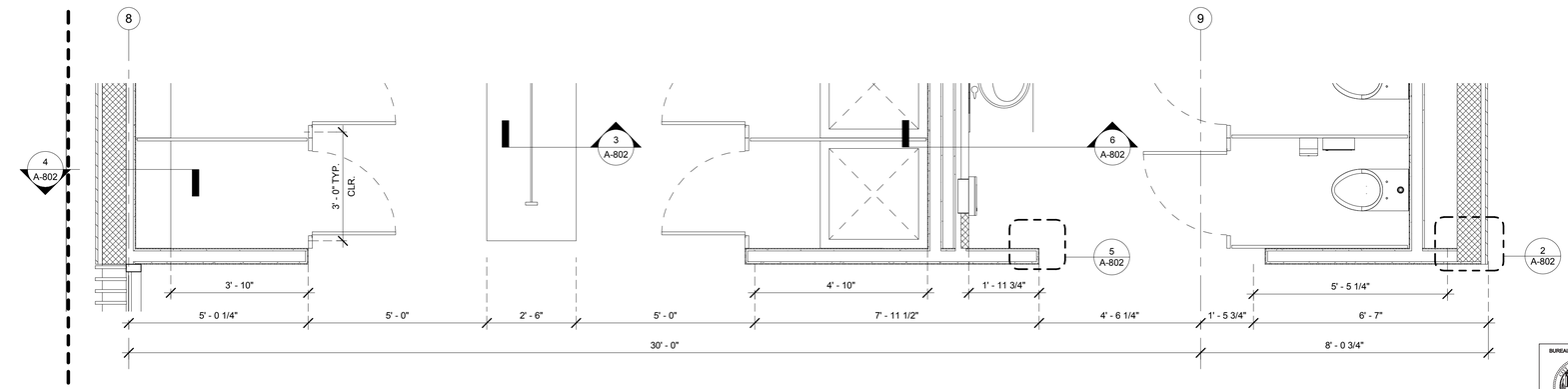


5 LARGE FORMAT TILE EDGE
3" = 1'-0"



2 LARGE FORMAT TILE CORNER
3" = 1'-0"



1 Callout of A-220 - FEMALE STAFF/ BAG CHECK/ OFFICE/ CHANGING
1/2" = 1'-0"

BUREAU OF ENGINEERING
OFFICIAL RECORD

THE CITY OF LOS ANGELES OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF ELECTRONIC COPIES OF THIS PLAN SHEET.

REVISION DATES (DESIGN STAGE ONLY)

TEMPLATE SHEET REVISION DATE: 09/2014
REVISION DATE: 10/24/2016 5:30 PM FILE: Z:\14-018 RANCHO CIENEGA SPORTS COMPLEX\DRAWINGS\REVITLINKS-AUTOCAD\BOE_TITLEBLOCK_CD_80PERCENT.DWG

BUREAU OF ENGINEERING
CITY OF LOS ANGELES

BUILDING NO.

INDEX NO. RP 300094

NO. REVISIONS: DATE: BY:

LICENSED ARCHITECT
JOHN E. PALI
C-19741
5/31/2017
RENEW
STATE OF CALIFORNIA

BID SET SUBMITTAL

CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS

GARY LEE MOORE, PE, ENV SP CITY ENGINEER
DATE:
ARCHITECTURAL DIVISION
ARCHITECT: ZOLTAN E. PALI, FAIA LIC. NO. C-19741
DESIGNED BY: ZEP
DRAWN BY: AOS
CHECKED BY: SM
APPROVED BY: MAHMOOD KARIMZADEH, A.I.A., PRINCIPAL ARCHITECT

VERTICAL CONTROL:
HORIZONTAL CONTROL:

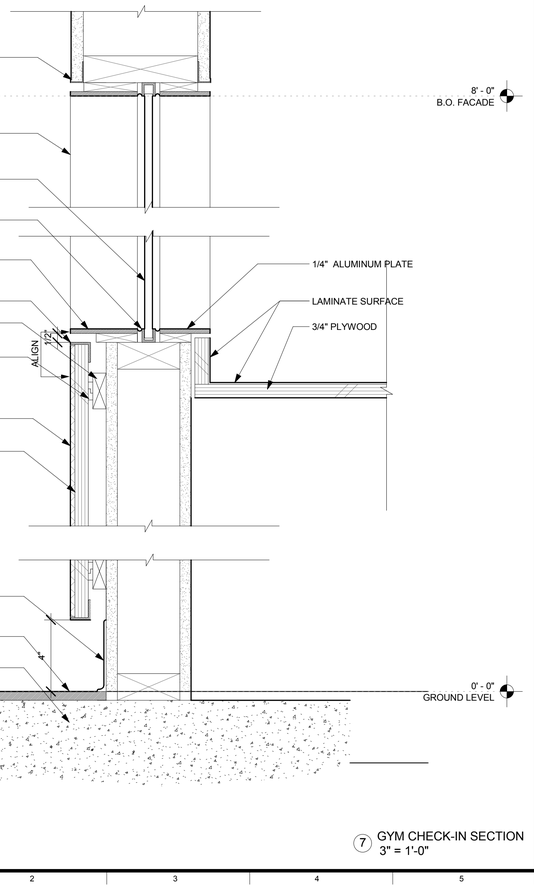
SHEET TITLE: DETAILS - LOCKER ROOM

PROJECT: RANCHO CIENEGA SPORTS COMPLEX

ADDRESS: 5001 RODEO ROAD
LOS ANGELES, CA 90016

WORK ORDER NO. E1907694
PLAN FILE NO.
DRAWING NO. A-802
SHEET OF SHEETS

PLOTTED: 12/22/2016 4:28:58 PM



7 GYM CHECK-IN SECTION
3" = 1'-0"

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REVISION DATES
(DESIGN STAGE ONLY)

TEMPLATE SHEET REVISION DATE: 08/2014
REVISION DATE: 10/24/2016 5:30 PM
FILE: Z:\14-018 RANCHO CIENEGA SPORTS COMPLEX\DRAWINGS\REVIT\LINKS-AUTOCAD\BOE_TITLEBLOCK_CD_90PERCENT.DWG

BUREAU OF ENGINEERING

ENGINEERING
CITY OF LOS ANGELES

NO.	REVISIONS:	DATE:	BY:

BUILDING NO.

INDEX NO. RP 300094

LICENSED ARCHITECT
ZOLTAN E. PALI
C-19741
5/31/2017
RENEWAL DATE
STATE OF CALIFORNIA

BID SET SUBMITTAL

CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS

GARY LEE MOORE, PE, ENV SP CITY ENGINEER
ARCHITECTURAL DIVISION

ARCHITECT: ZOLTAN E. PALI, FAIA LIC. NO. C-19741
DESIGNED BY: ZEP
DRAWN BY: AOS
CHECKED BY: SM
APPROVED BY: MAHMOOD KARIMZADEH, A.I.A., PRINCIPAL ARCHITECT

DATE:

VERTICAL CONTROL:
HORIZONTAL CONTROL:

SHEET TITLE: DETAILS - GYM CHECK IN

PROJECT: RANCHO CIENEGA SPORTS COMPLEX

ADDRESS: 5001 RODEO ROAD
LOS ANGELES, CA 90016

BUREAU OF ENGINEERING
OFFICIAL RECORD

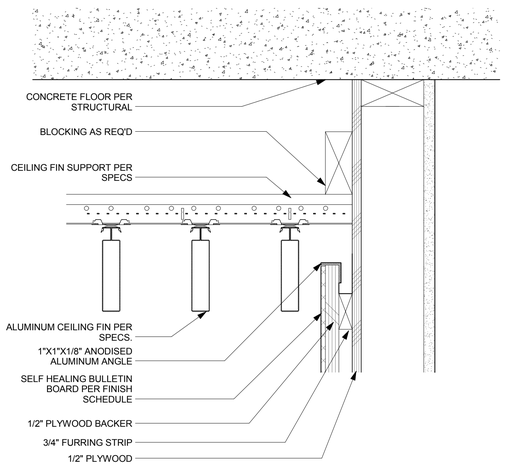
WORK ORDER NO.
E1907694

PLAN FILE NO.

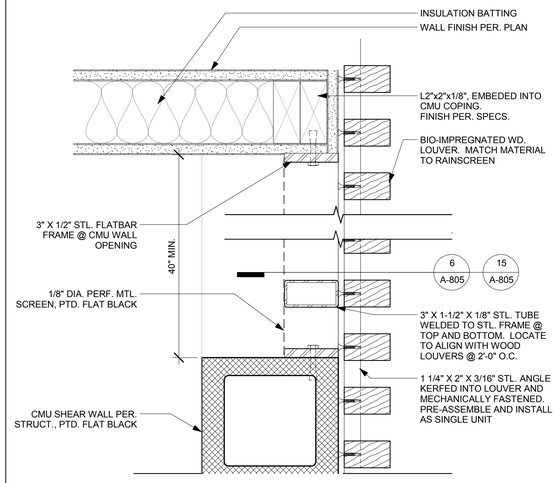
DRAWING NO.
A-803

SHEET OF SHEETS

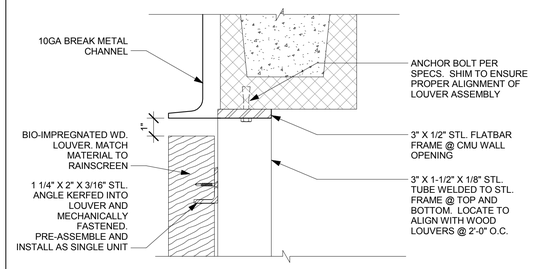
PLOTTED: 12/22/2016 4:28:59 PM



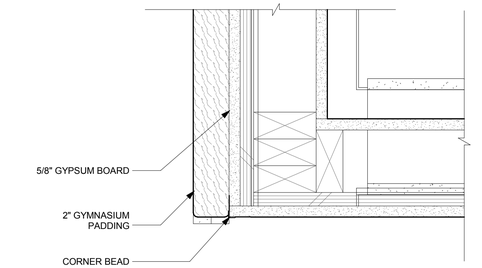
13 INTERIOR WINDOW-WALL HEAD-STAFF OFFICE
3" = 1'-0"



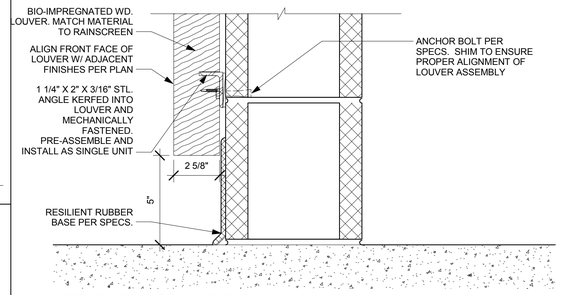
9 MECH. VENT OPENING DETAIL
3" = 1'-0"



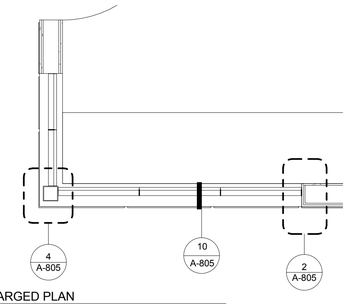
15 INTERIOR DETAIL @ LOUVER HEAD
3" = 1'-0"



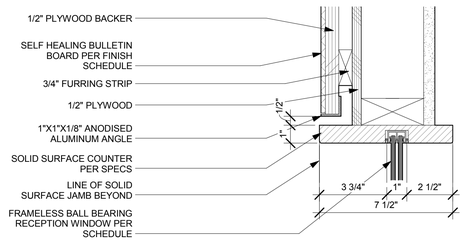
14 GYM PADDING @ CORNER
3" = 1'-0"



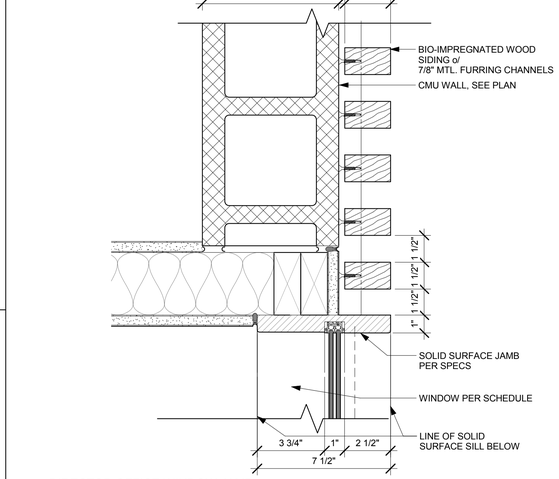
6 INTERIOR DETAIL @ LOUVER BASE
3" = 1'-0"



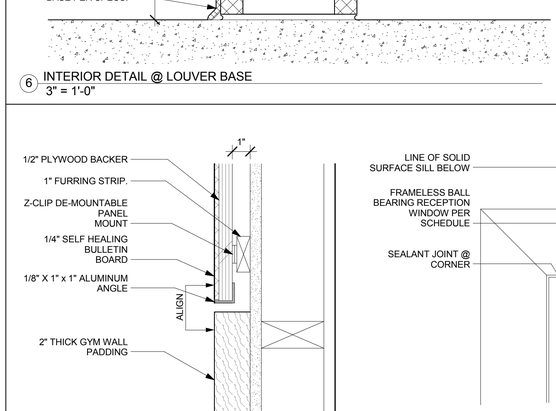
3 GYM CHECK-IN ENLARGED PLAN
1/2" = 1'-0"



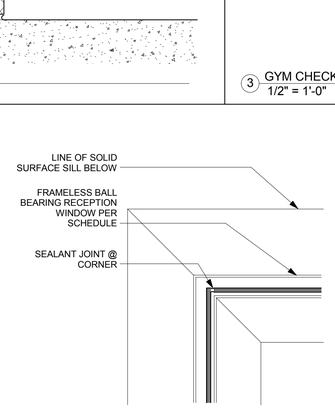
12 INTERIOR WINDOW-HEAD-STAFF OFFICE
3" = 1'-0"



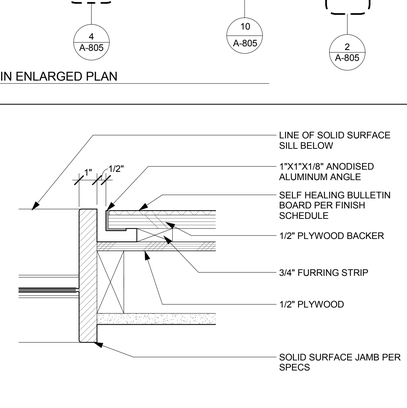
8 DIRECTOR OFFICE WINDOW JAMB
3" = 1'-0"



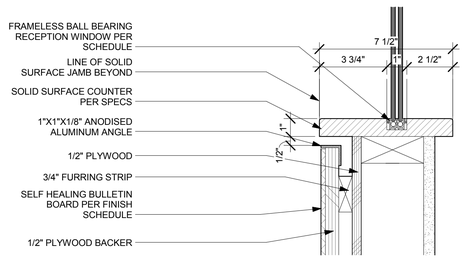
5 PADDING-BULLETIN BOARD TRANSITION
3" = 1'-0"



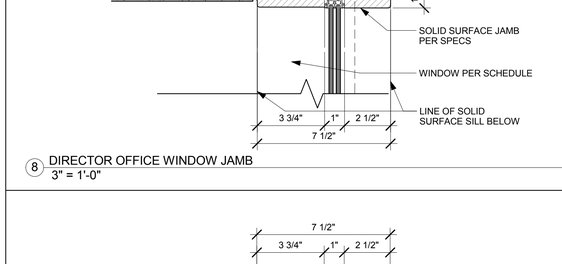
4 INTERIOR WINDOW-CORNER JAMB-STAFF OFFICE
3" = 1'-0"



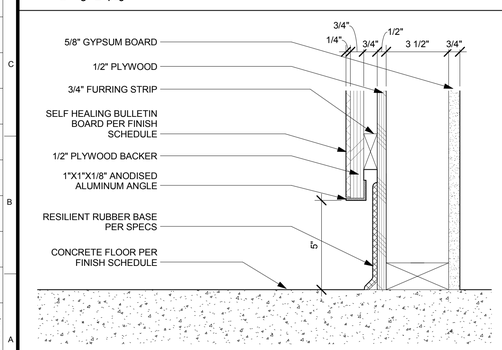
2 INTERIOR WINDOW-JAMB-STAFF OFFICE
3" = 1'-0"



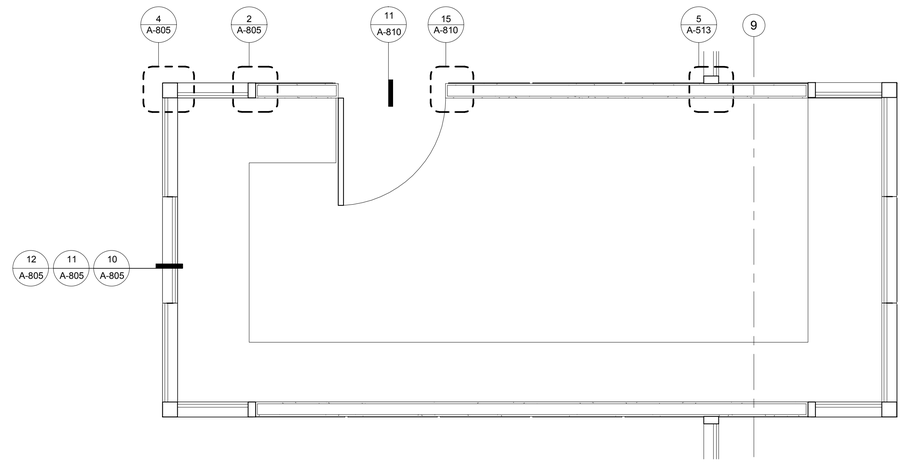
11 INTERIOR WINDOW-SILL-STAFF OFFICE
3" = 1'-0"



7 DIRECTOR OFFICE CORNER
3" = 1'-0"



10 INTERIOR WALL-BASE-STAFF OFFICE
3" = 1'-0"



1 POOL - CHECK-IN ENLARGED PLAN
1/2" = 1'-0"

BUREAU OF ENGINEERING
OFFICIAL RECORD

THE CITY OF LOS ANGELES OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF ELECTRONIC COPIES OF THIS PLAN SHEET.

TEMPLATE SHEET REVISION DATE: 08/20/14
REVISION DATE: 10/24/2016 5:30 PM
FILE: Z:\14-018 RANCHO CIENEGA SPORTS COMPLEX\DRAWINGS\REVIT\LINKS-AUTOCAD\BOE_TITLEBLOCK_CD_90PERCENT.DWG

REVISION DATES (DESIGN STAGE ONLY)

BUREAU OF ENGINEERING
CITY OF LOS ANGELES

NO. REVISIONS: DATE: BY:

BUILDING NO.

INDEX NO. RP 300094

REGISTERED ARCHITECT JOHN CARL WARNECKE C-19741 5/31/2017 RENEW STATE OF CALIFORNIA

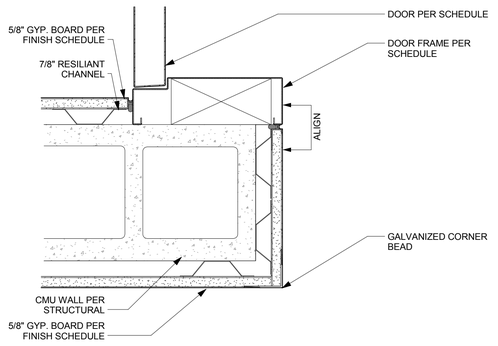
CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS
BID SET SUBMITTAL

GARY LEE MOORE, PE, ENV SP CITY ENGINEER
ARCHITECTURAL DIVISION
ARCHITECT: ZOLTAN E. PALI, FAIA LIC. NO. C-19741
DESIGNED BY: ZEP
DRAWN BY: AOS
CHECKED BY: SM
APPROVED BY: MAHMOOD KARIMZADEH, A.I.A., PRINCIPAL ARCHITECT
DATE:

VERTICAL CONTROL:
HORIZONTAL CONTROL:
SHEET TITLE: POOL CHECK-IN DETAILS
PROJECT: RANCHO CIENEGA SPORTS COMPLEX
ADDRESS: 5001 RODEO ROAD LOS ANGELES, CA 90016

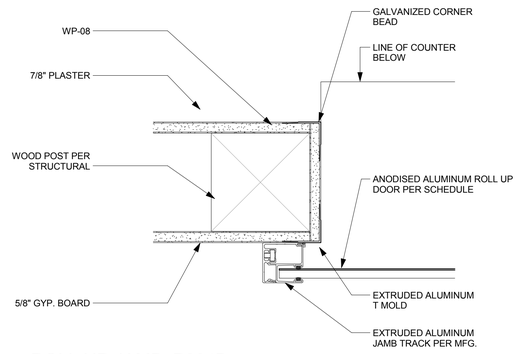
WORK ORDER NO. E1907694
PLAN FILE NO.
DRAWING NO. A-805
SHEET SHEETS OF

PLOTTED: 12/22/2016 4:29:06 PM



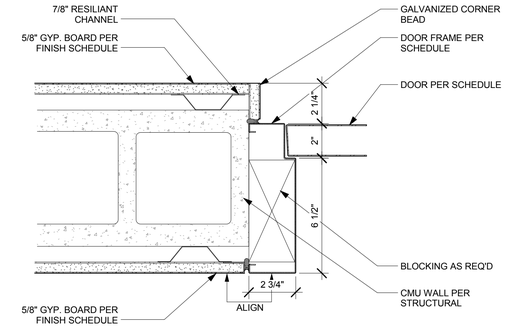
16 HOLLOW METAL JAMB @CMU WALL P104A

SCALE: 3" = 1'-0"



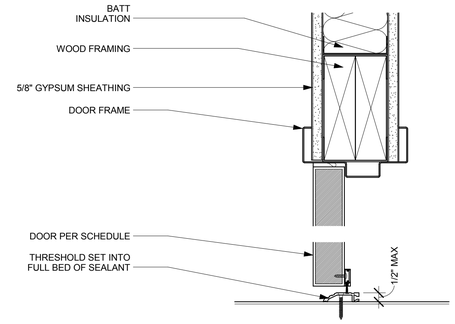
12 ROLL UP JAMB, P204B

SCALE: 3" = 1'-0"



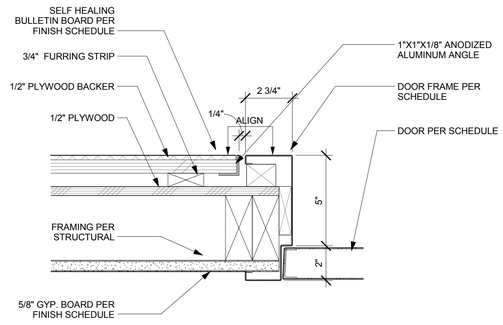
8 HOLLOW METAL JAMB @CMU WALL P100A

SCALE: 3" = 1'-0"



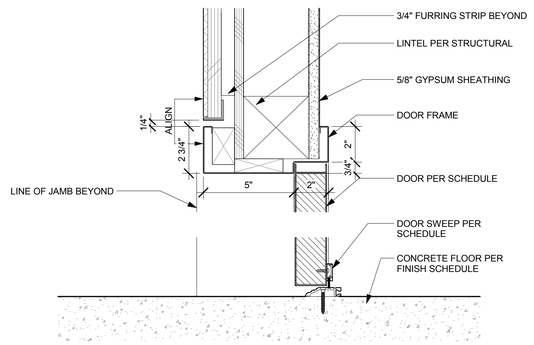
4 HOLLOW METAL HEAD AND SILL DETAIL @ CMU/GWB

SCALE: 3" = 1'-0"



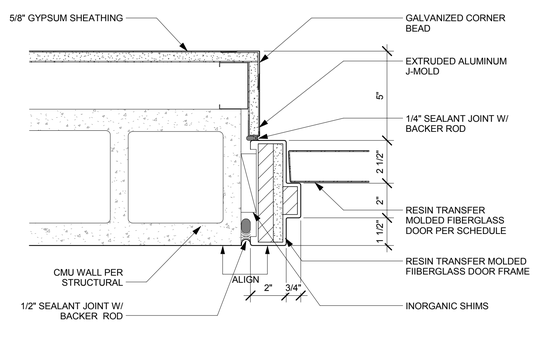
15 HOLLOW METAL JAMB @BLTN/MTL/GWB

SCALE: 3" = 1'-0"



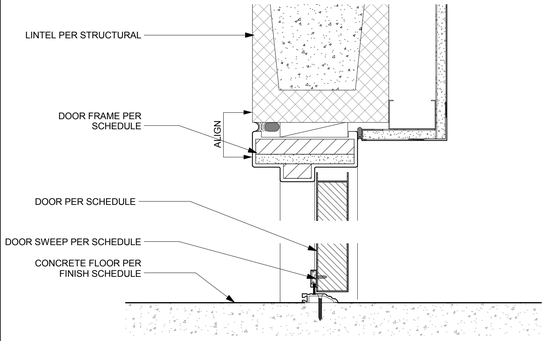
11 HOLLOW METAL HEAD AND SILL @ BLTN/MTL/GWB

SCALE: 3" = 1'-0"



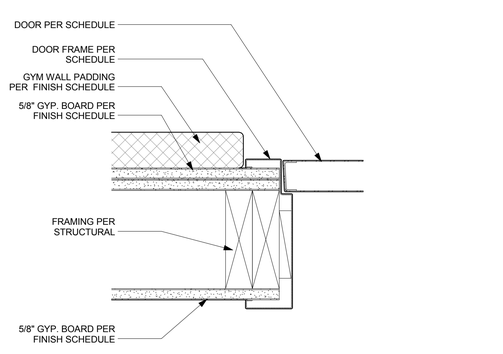
7 FIBERGLASS METAL JAMB DETAIL @ CMU/GWB

SCALE: 3" = 1'-0"



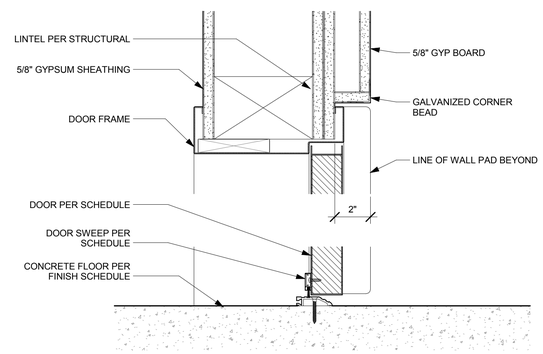
3 FIBERGLASS HEAD AND SILL DETAIL @ CMU/GWB

SCALE: 3" = 1'-0"



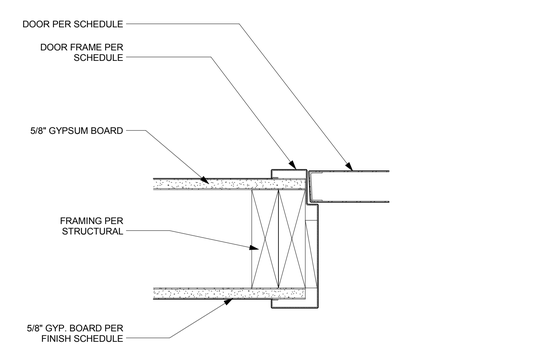
14 HOLLOW METAL JAMB @PAD/MTL/GWB

SCALE: 3" = 1'-0"



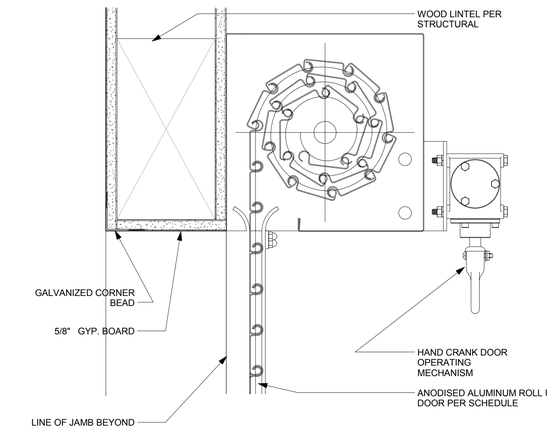
10 HOLLOW METAL HEAD AND SILL @ PAD/MTL/GWB

SCALE: 3" = 1'-0"



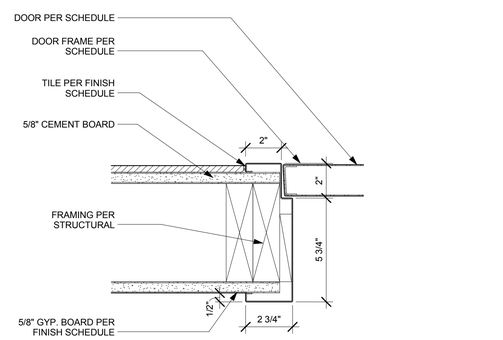
6 HOLLOW METAL JAMB DETAIL @ GWB/MTL/GWB

SCALE: 3" = 1'-0"



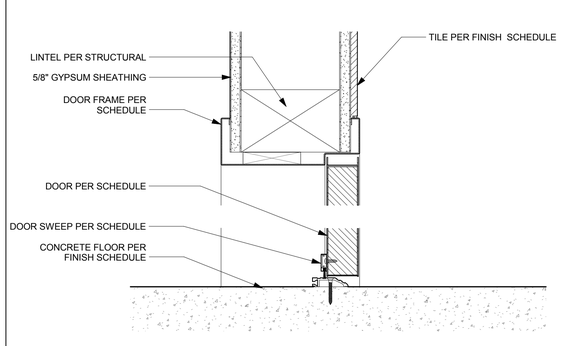
2 ROLL UP HEAD-SECTION, P204B

SCALE: 3" = 1'-0"



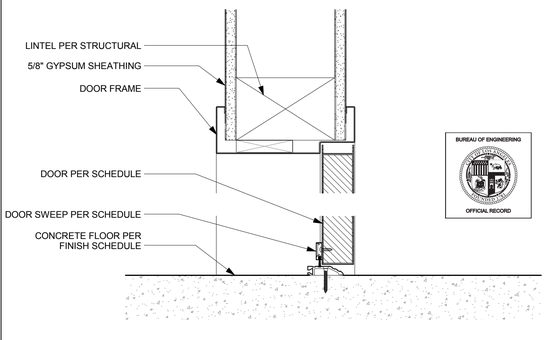
13 HOLLOW METAL JAMB @TILE/GWB

SCALE: 3" = 1'-0"



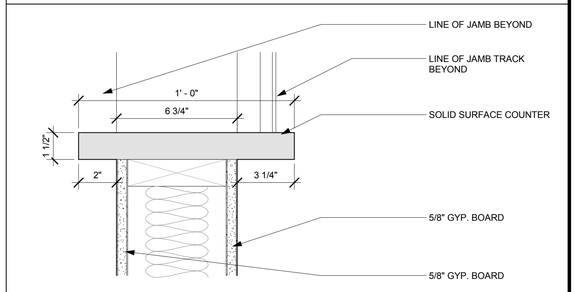
9 HOLLOW METAL HEAD AND SILL DETAIL @ TILE/GWB

SCALE: 3" = 1'-0"



5 HOLLOW METAL HEAD AND SILL @ GWB/MTL/GWB

SCALE: 3" = 1'-0"



1 ROLL UP SILL, P204B

SCALE: 3" = 1'-0"

THE CITY OF LOS ANGELES OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF ELECTRONIC COPIES OF THIS PLAN SHEET.

REVISION DATES: (DESIGN STAGE ONLY)

TEMPLATE SHEET REVISION DATE: 08/2014

REVISION DATE: 10/24/2016 5:30 PM FILE: Z:\14-018 RANCHO CIENEGA SPORTS COMPLEX\DRAWINGS\REVIT\LINKS AUTOCAD\BOE_TITLEBLOCK_CD_90PERCENT.DWG

BUREAU OF ENGINEERING

CITY OF LOS ANGELES

ENGINEERING

NO. REVISIONS: DATE: BY:

BUILDING NO.

INDEX NO. RP 300094

LICENSED ARCHITECT JOHN CARL WARNECKE C-19741 5/31/2017 RENEWAL DATE STATE OF CALIFORNIA

BID SET SUBMITTAL

DEPARTMENT OF PUBLIC WORKS

CITY OF LOS ANGELES

GARY LEE MOORE, PE, ENV SP CITY ENGINEER

ARCHITECTURAL DIVISION LIC. NO. C-19741

ARCHITECT: ZOLTAN E. PALI, FAIA DATE:

DESIGNED BY: ZEP

DRAWN BY: AOS

CHECKED BY: SM

APPROVED BY: MAHMOOD KARIMZADEH, A.I.A., PRINCIPAL ARCHITECT

VERTICAL CONTROL:

HORIZONTAL CONTROL:

SHEET TITLE: DOOR DETAILS

PROJECT: RANCHO CIENEGA SPORTS COMPLEX

ADDRESS: 5001 RODEO ROAD LOS ANGELES, CA 90016

WORK ORDER NO. E1907694

PLAN FILE NO.

DRAWING NO. A-810

SHEET OF SHEETS

PLOTTED: 12/22/2016 4:29:11 PM

FINISH LEGEND

WALLS

PT-1
DESCRIPTION: PAINTED GYPSUM BOARD
MANUFACTURER: USG OR EQUAL
PRODUCT: 5/8" FIBEROCK AQUA-TOUGH INTERIOR PANEL, AR
DIMENSIONS: ---
COLOR: WHITE
FINISH:
REMARKS:

PT-2
DESCRIPTION: PAINTED GYPSUM BOARD
MANUFACTURER: USG OR EQUAL
PRODUCT: 5/8" FIBEROCK AQUA-TOUGH INTERIOR PANEL, AR
DIMENSIONS: ---
COLOR: ACCENT COLOR
FINISH:
REMARKS:

WF-1
DESCRIPTION: PAINTED MOISTURE RESISTANT GYPSUM BOARD
MANUFACTURER: USG OR EQUAL
PRODUCT: 5/8" FIBEROCK AQUA-TOUGH INTERIOR PANEL, AR
DIMENSIONS: ---
COLOR:
FINISH:
REMARKS:

WF-2
DESCRIPTION: LARGE FORMAT PORCELAIN TILE
MANUFACTURER:
PRODUCT: KOREL
DIMENSIONS:
COLOR: SELECTED BY ARCHITECT
FINISH:
REMARKS: SEE SPEC SECTION 09 30 13

WF-4
DESCRIPTION: SELF HEALING BULLETIN BOARD
MANUFACTURER:
PRODUCT: SEE SPECIFICATION
DIMENSIONS:
COLOR: SELECTED BY ARCHITECT
FINISH:
REMARKS: SEE SPEC SECTION 10 11 12

WF-5
DESCRIPTION: GYM WALL PADS
MANUFACTURER:
PRODUCT: SEE SPECIFICATION
DIMENSIONS:
COLOR: SELECTED BY ARCHITECT
FINISH:
REMARKS: 11 48 19

WF-6
DESCRIPTION: BIO IMPREGNATED WOOD
MANUFACTURER:
PRODUCT: SEE SPECIFICATION
DIMENSIONS:
COLOR: SELECTED BY ARCHITECT
FINISH:
REMARKS: SEE SPEC SECTION 07 46 04

WF-7
DESCRIPTION: CEMENT MASONRY UNIT
MANUFACTURER:
PRODUCT: SEE STRUCTURAL DRAWINGS
DIMENSIONS:
COLOR:
FINISH:
REMARKS: PTD. PER SPECIFICATION

WF-8
DESCRIPTION: SUBWAY TILE
MANUFACTURER: DALTILE
PRODUCT:
DIMENSIONS:
COLOR: GLACIER WHITE
FINISH: HONED
REMARKS: SEE SPEC SECTION 09 30 16

WF-9
DESCRIPTION: STOREFRONT / CURTAIN WALL
MANUFACTURER:
PRODUCT:
DIMENSIONS:
COLOR:
FINISH:
REMARKS: SEE WINDOW SCHEDULE

FLOORS

CF-1
DESCRIPTION: CONCRETE SEALER
MANUFACTURER: SEE STRUCT. DWGS.
PRODUCT: ---
DIMENSIONS: ---
COLOR: ---
FINISH: MEDIUM BROOM
REMARKS: SEE SPEC SECTION 09 97 23

CF-2
DESCRIPTION: PEDESTRIAN DECK COATING
MANUFACTURER: SEE STRUCT. DWGS.
PRODUCT: ---
DIMENSIONS: ---
COLOR: ---
FINISH: MEDIUM BROOM
REMARKS: SEE SPEC SECTION 07 18 00

CF-3
DESCRIPTION: CHEMICAL RESISTANT TRAFFIC COATING
MANUFACTURER: SEE STRUCT. DWGS.
PRODUCT: ---
DIMENSIONS: ---
COLOR: ---
FINISH: MEDIUM BROOM
REMARKS: SEE SPEC SECTION 07 55 00

FF-1
DESCRIPTION: RUBBERIZED FITNESS FLOOR
MANUFACTURER: SEE SPECIFICATION
PRODUCT: ---
DIMENSIONS: ---
COLOR: ---
FINISH:
REMARKS: SEE SPEC SECTION 09 65 66

GF-1
DESCRIPTION: VINYL GYMNASIUM FLOOR
MANUFACTURER:
PRODUCT: ---
DIMENSIONS: ---
COLOR: ---
FINISH:
REMARKS: 09 65 66

RF-1
DESCRIPTION: RECYCLED RUBBER FLOOR
MANUFACTURER:
PRODUCT: ---
DIMENSIONS: ---
COLOR: ---
FINISH:
REMARKS: SEE SPEC SECTION 09 65 00

TL-1
DESCRIPTION: TILE
MANUFACTURER:
PRODUCT: ---
DIMENSIONS: 12" X 12"
COLOR: ---
FINISH:
REMARKS: SEE SPEC SECTION 09 32 13

MG-1
DESCRIPTION: STAINLESS METAL GRATING
MANUFACTURER:
PRODUCT: ---
DIMENSIONS: 12" X 12"
COLOR: ---
FINISH:
REMARKS: SEE SPEC SECTION 05 53 00

BASE

RB-1
DESCRIPTION: RUBBER BASE
MANUFACTURER: SEE SPECIFICATION
PRODUCT:
DIMENSIONS:
COLOR:
FINISH:
REMARKS: TO MATCH ADJACENT WALL FINISH

B-1
DESCRIPTION: TILE BASE
MANUFACTURER:
PRODUCT:
DIMENSIONS:
COLOR:
FINISH:
REMARKS: TO MATCH ADJACENT WALL TILE

B-2
DESCRIPTION: ALUMINUM WALL BASE
MANUFACTURER: FRY REGLET
PRODUCT: REVEAL BASE MOLDING
DIMENSIONS:
COLOR:
FINISH:
REMARKS: SEE ELEV. FOR HEIGHT

ROOM FINISH SCHEDULE - GYMNASIUM

ROOM NUMBER	NAME	FLOOR MATERIAL	FLOOR FINISH	BASE MATERIAL	BASE FINISH	WALL NORTH	WALL EAST	WALL SOUTH	WALL WEST	CEILING MATERIAL	CEILING FINISH	NOTES
G110	STORAGE C	CF-1		RB-1		PT-1	PT-1	PT-1	PT-1	-		
G100	WOMENS TOILET	CF-1		B-1		WF-8	WF-8	WF-8	WF-8	C-4		
G101	ELECTRICAL B	CF-3	TC.	RB-1		PT-1	PT-1	PT-1	PT-1	-		
G101B	ELEV. MACHINE ROOM	CF-3		RB-1		PT-1	PT-1	PT-1	PT-1	-		
G102	CHECK-IN	RF-1		B-2		PT-1	PT-1	PT-1	PT-1	C-1		
G103	LOBBY	GF-1		B-2		WF-1	WF-1	WF-1	WF-1	C-5		
G104	STORAGE A	CF-1		RB-1		WF-1	WF-1	WF-1	WF-1	-		
G104B	JANITOR	CF-1		RB-1		PT-1	PT-1	PT-1	PT-1	-		
G105	MENS TOILET	CF-1		B-1		WF-8	WF-8	WF-8	WF-8	C-4		
G106	GYMNASIUM	GF-1		B-2		WF-9	WF-5	WF-9	WF-5	-		
G107	MAIN ELECTRICAL	CF-3	TC.	RB-1		PT-1	PT-1	PT-1	PT-1	-		
G108	BLEACHERS	GF-1		B-2		PT-2	-	PT-2	PT-2	C-1		
G109	STORAGE B	CF-3		RB-1		PT-1	PT-1	PT-1	PT-1	-		
G112	IT	CF-1		RB-1		PT-1	PT-1	PT-1	PT-1	C-1		
G200	PARK DIRECTOR OFFICE	RF-1		RB-1		PT-1	PT-1	PT-1	PT-1	C-3		
G201	STAFF OFFICE	RF-1		RB-1		PT-1	PT-1	PT-1	PT-1	C-3		
G201B	STAFF OFFICE TOILET	CF-1		B-1		WF-8	WF-8	WF-8	WF-8	C-3		
G202	MEZZANINE CORRIDOR	CF-2		B-2		PT-1	PT-1	PT-2	PT-1	C-2		
G203	CLASSROOM	RF-1		RB-1		PT-1	PT-1	PT-1	PT-1	C-3		
G204	INDOOR WALKING TRACK	GF-1		RB-1		WF-1	WF-1	WF-1	WF-1	-		

ROOM FINISH SCHEDULE - POOL

ROOM NUMBER	NAME	FLOOR MATERIAL	FLOOR FINISH	BASE MATERIAL	BASE FINISH	WALL NORTH	WALL EAST	WALL SOUTH	WALL WEST	CEILING MATERIAL	CEILING FINISH	NOTES
P201	POOL OBSERVATION DECK	CF-1		B-2								
P100	LOBBY	CF-1		B-2		WF-1	WF-9	WF-1	WF-1	C-5		
P102	STAFF OFFICE	RF-1		RB-1		WF-1	WF-1	WF-1	WF-1	C-1		
P103	DIRECTOR OFFICE	RF-1		RB-1		WF-1	WF-1	WF-1	WF-1	C-1		
P104	FAMILY CHANGING ROOM	CF-1		RB-1		WF-8	WF-8	WF-8	WF-8	C-4		
P105	GOLD ROOM/STORAGE	RF-1		RB-1		WF-1	WF-1	WF-1	WF-1	C-1		
P106	FIRST AID	RF-1		RB-1		WF-1	WF-1	WF-1	WF-1	C-1		
P109	FEMALE STAFF LOCKER	CF-1		B-1		WF-8	WF-8	WF-8	WF-8	C-4		
P113	WOMENS LOCKER ROOM	TL-1		B-1		WF-8	WF-8	WF-2	WF-8	C-4		
P114	WOMENS LOCKER ROOM TOILET	TL-1		B-1		WF-8	WF-8	WF-2	WF-8	C-4		
P115	MENS LOCKER ROOM CORRIDOR	TL-1		B-1		WF-1	WF-1	WF-2	WF-1	C-4		
P116	MENS BAG CHECK	CF-1		B-1		WF-1	WF-1	WF-1	WF-1	C-4		
P117	MALE STAFF LOCKER	CF-1		B-1		WF-8	WF-8	WF-8	WF-8	C-4		
P120	MENS LOCKER ROOM JANITOR	CF-1		B-1		WF-1	WF-1	WF-1	WF-1	C-1		
P121	MENS LOCKER ROOM TOILET	TL-1		B-1		WF-2	WF-8	WF-8	WF-8	C-4		
P122	MENS LOCKER ROOM	TL-1		B-1		WF-2	WF-8	WF-8	WF-8	C-4		
P123	POOL DECK	CF-1		B-2		WF-9	WF-6	WF-6	WF-9	-		
P124	POOL	-		B-2		WF-9	WF-6	WF-9	WF-6			
P125	POOL SPECTATOR SEATING	CF-1		B-2		PT-2	PT-2	PT-2	-	C-1		
P126	POOL STORAGE	CF-3	TC.	RB-1		WF-7	WF-7	WF-1	WF-7	-		
P127	POOL EQUIPMENT	CF-3	TC.	RB-1		WF-7	WF-7	WF-7	WF-7	-		
P128	POOL EQUIPMENT TANK 01	CF-3	TC.	RB-1		WF-1	WF-1	WF-1	WF-7	-		
P129	POOL EQUIPMENT TANK 02	CF-3	TC.	RB-1		WF-1	WF-1	WF-1	WF-7	-		
P130	POOL EQUIPMENT TANK 03	CF-3	TC.	RB-1		WF-1	WF-1	WF-1	WF-7	-		
P131	WATER TREATMENT	CF-3	TC.	RB-1		WF-7	WF-7	WF-1	WF-7	-		
P132	ELECTRICAL	CF-3	TC.	RB-1		WF-1	WF-7	WF-1	WF-7	-		
P200	POOL MEZZANINE LOBBY	CF-2		B-2		WF-9	-	WF-9	-	C-2		
P202	COMMUNITY ROOM	FF-1		RB-1		WF-1	WF-1	WF-1	WF-1	C-3		
P203	COMMUNITY ROOM STORAGE	FF-1		RB-1		WF-1	WF-1	WF-1	WF-1	C-1		
P203A	STORAGE	FF-1				WF-1	WF-1	WF-1	WF-1	C-1		
P204	COMMUNITY ROOM STORE	RF-1		RB-1		WF-1	WF-1	WF-1	WF-1	C-1		
P205	FITNESS ROOM	FF-1		RB-1		WF-1	WF-1	WF-1	WF-1	C-3		
P205A	STORAGE	FF-1										
P206	FITNESS ROOM STORAGE	FF-1		RB-1		WF-1	WF-1	WF-1	WF-1	-		
P208	FITNESS ROOM STORAGE B	FF-1		RB-1		WF-1	WF-1	WF-1	WF-1	-		

CEILING

C-1
DESCRIPTION: GYPSUM BOARD
MANUFACTURER: USG OR EQUAL
PRODUCT: 1/2" FIBEROCK AQUA-TOUGH INTERIOR PANEL, AR
DIMENSIONS: ---
COLOR: ---
FINISH: SEE ROOM FIN. SCHED.
REMARKS: SEE FINISH NOTES 11, 13, & 14

C-2
DESCRIPTION: EXTERIOR GYPSUM CEILING BOARD
MANUFACTURER: USG OR EQUAL
PRODUCT: 1/2" EXTERIOR SOFFIT CEILING BOARD
DIMENSIONS:
COLOR:
FINISH:
REMARKS:

C-3
DESCRIPTION: ACOUSTIC CEILING TILE
MANUFACTURER: HUNTER DOUGLAS TECHSTYLE / SIM
PRODUCT: 2X4 ACOUSTIC CEILING PANEL
DIMENSIONS:
COLOR:
FINISH:
REMARKS: 09 51 00

C-4
DESCRIPTION: MOISTURE RESISTANT GYPSUM BOARD
MANUFACTURER: USG OR EQUAL
PRODUCT: 1/2" FIBEROCK AQUA-TOUGH INTERIOR PANEL, AR
DIMENSIONS: ---
COLOR: ---
FINISH: SEE ROOM FIN. SCHED.
REMARKS: SEE FINISH NOTES

C-5
DESCRIPTION: METAL BLADE CEILING
MANUFACTURER: ARMSTRONG OR SIMILAR
PRODUCT: METAL BLADE CEILING
DIMENSIONS: ---
COLOR: ---
FINISH:
REMARKS: 09 50 00

BUREAU OF ENGINEERING
OFFICIAL RECORD

ENGINEERING
CITY OF LOS ANGELES
BUREAU OF ENGINEERING
BUILDING NO.
RP 300094
INDEX NO.
NO. REVISIONS: DATE: BY:

LICENSED ARCHITECT
JOHN ESPAÑA
C-19741
5/31/2017
STATE OF CALIFORNIA

BID SET SUBMITTAL
DEPARTMENT OF PUBLIC WORKS
CITY OF LOS ANGELES

VERTICAL CONTROL:
HORIZONTAL CONTROL:

SHEET TITLE: FINISH SCHEDULE - GYMNASIUM AND POOL

PROJECT: RANCHO CIENEGA SPORTS COMPLEX
ADDRESS: 5001 RODEO ROAD
LOS ANGELES, CA 90016

CITY ENGINEER: GARY LEE MOORE, PE, ENV SP
DATE:
ARCHITECTURAL DIVISION
ARCHITECT: ZOLTAN E. PALI, FAIA
LIC. NO. C-19741
DESIGNED BY: ZEP
DRAWN BY: AOS
CHECKED BY: SM
APPROVED BY: MAHMOOD KARIMZADEH, A.I.A., PRINCIPAL ARCHITECT

WORK ORDER NO. E1907694
PLAN FILE NO.
DRAWING NO. A-901
SHEET OF SHEETS

PLOTTED: 12/22/2016 4:29:16 PM

REVISION DATES (DESIGN STAGE ONLY)

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TEMPLATE SHEET REVISION DATE: 08/2014
REVISION DATE: 10/24/2016 5:30 PM FILE: Z:\14-018 RANCHO CIENEGA SPORTS COMPLEX\DRAWINGS\REVIT\LINKS-AUTOCAD\BOE_TITLEBLOCK_CD_90PERCENT.DWG

ROOM FINISH SCHEDULE - STADIUM

ROOM NUMBER	NAME	FLOOR		BASE		WALL				CEILING		NOTES
		MATERIAL	FINISH	MATERIAL	FINISH	NORTH	EAST	SOUTH	WEST	MATERIAL	FINISH	
S105	LOBBY VIP	WPM-1		B-2								
S200	VIP SEATING	WPM-1		B-2								
S101	CONCESSIONS	CF-1		RB-1		WF-1	WF-1	WF-1	WF-1	C-1		
S102	MENS TOILET	CF-1		B-1		WF-8	WF-8	WF-8	WF-8	C-4		
S103	WOMENS TOILET	CF-1		B-1		WF-8	WF-8	WF-8	WF-8	C-4		
S104	CONCESSIONS VIP	CF-1		RB-1		WF-1	WF-1	WF-1	WF-1	C-1		
S202	MENS RESTROOM VIP	CF-1		RB-1		WF-8	PT-1	PT-1	PT-1	C-1		
S203	WOMENS RESTROOM VIP	CF-1		RB-1		WF-8	PT-1	PT-1	PT-1	C-1		

ROOM FINISH SCHEDULE - TENNIS

ROOM NUMBER	NAME	FLOOR		BASE		WALL				CEILING		NOTES
		MATERIAL	FINISH	MATERIAL	FINISH	NORTH	EAST	SOUTH	WEST	MATERIAL	FINISH	
T101	TENNIS PRO SHOP	CF-1		RB-1		WF-1	WF-1	WF-1	WF-1	C-1		
T103	TENNIS PRO SHOP OFFICE	CF-1		RB-1		WF-1	WF-1	WF-1	WF-1	C-1		
T106	TENNIS PRO SHOP STORAGE 1	CF-1		RB-1		WF-1	WF-1	WF-1	WF-1	C-1		
T107	ELEC. RM	CF-1		RB-1		WF-1	WF-1	WF-1	WF-1	C-1		
T108	TENNIS PRO SHOP MENS TOILET	CF-1		B-1		WF-8	WF-8	WF-8	WF-8	C-4		
T109	TENNIS PRO SHOP WOMENS TOILET	CF-1		B-1		WF-8	WF-8	WF-8	WF-8	C-4		

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REVISION DATES (DESIGN STAGE ONLY)

BUREAU OF ENGINEERING
OFFICIAL RECORD

BID SET SUBMITTAL

CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS

VERTICAL CONTROL:
HORIZONTAL CONTROL:

SHEET TITLE: FINISH SCHEDULE - STADIUM AND TENNIS

PROJECT: RANCHO CIENEGA SPORTS COMPLEX

ADDRESS: 5001 RODEO ROAD
LOS ANGELES, CA 90016

WORK ORDER NO. E1907694
PLAN FILE NO.
DRAWING NO. A-902
SHEET OF SHEETS

BUREAU OF ENGINEERING
ENGINEERING
CITY OF LOS ANGELES

NO. REVISIONS: DATE: BY:

BUILDING NO.

INDEX NO. RP 300094

LICENSED ARCHITECT ZOLTAN E. PALI C-19741 5/31/2017 RENEW DATE STATE OF CALIFORNIA

CITY ENGINEER
DATE:

GARY LEE MOORE, PE, ENV SP
ARCHITECTURAL DIVISION

ARCHITECT: ZOLTAN E. PALI, FAIA LIC. NO. C-19741
DESIGNED BY: ZEP
DRAWN BY: AOS
CHECKED BY: SM
APPROVED BY: MAHMOOD KARIMZADEH, A.I.A., PRINCIPAL ARCHITECT

TEMPLATE SHEET REVISION DATE: 08/2014
REVISION DATE: 10/24/2016 5:30 PM FILE: Z:\14-018 RANCHO CIENEGA SPORTS COMPLEX\DRAWINGS\REVIT\LINKS-AUTOCAD\BOE_TITLEBLOCK_CD_90PERCENT.DWG
PLOTTED: 12/22/2016 4:29:20 PM

DOOR SCHEDULE - GYM

DOOR #	DOOR TYPE	ROOM NAME	DOOR OPENING			DOOR		FRAME		DOOR DETAILS			GLAZING	HARDWARE SET	PANIC DEVICE	RATING	LOUVER ED VENT	NOTES
			WIDTH	HEIGHT	THICKNESS	MATERIAL	FINISH	MATERIAL	FINISH	HEAD	JAMB	SILL						
G2A	F1	STAIR G2	3' - 0"	7' - 6"		STL.	PTD.	STL.	PTD.						Yes	NR		
G100A	B1		3' - 0"	8' - 0"	0' - 1 3/4"	HM	PTD.	HM	PTD.	2/A510	6/A510	2/A510			No	NR		
G101A	B1	ELECTRICAL B	3' - 0"	8' - 0"	0' - 1 3/4"	HM	PTD.	HM	PTD.	2/A510	6/A510	2/A510			No	NR	Yes	
G101B	B1	ELEV. MACHINE ROOM	3' - 0"	8' - 0"	0' - 1 3/4"	HM	PTD.	HM	PTD.	5/A810	6/A810	5/A810			No	NR		
G102	B1	CHECK-IN	3' - 0"	8' - 0"	0' - 1 3/4"	HM	PTD.	HM	PTD.	11/A810	15/A810	11/A810			No	NR		
G103A	A1	LOBBY	6' - 0"	8' - 0"	0' - 1 3/4"	AL/GL	CLEAR ANO	AL	CLEAR ANO	2/A513	3/A513	1/A513			Yes	NR		
G104	B2	STORAGE A	6' - 0"	8' - 0"	0' - 1 3/4"	HM	PTD.	HM	PTD.	10/A810	14/A810	10/A810			No	NR	Yes	
G104A	B2	GYMNASIUM	6' - 0"	8' - 0"	0' - 1 3/4"	HM	PTD.	HM	PTD.	10/A810	14/A810	10/A810			No	NR	Yes	
G104B	B1	JANITOR	3' - 0"	8' - 0"	0' - 1 3/4"	HM	PTD.	HM	PTD.	10/A810	14/A810	10/A810			No	NR		
G105A	B1		3' - 0"	8' - 0"	0' - 1 3/4"	HM	PTD.	HM	PTD.	2/A510	6/A510	2/A510			No	NR		
G106E	D1	GYMNASIUM	24' - 9 3/4"	8' - 0"	0' - 2"	STL/AL/GL	PTD/CLEAR ANO	STL	PTD.	13/A513	15/A513	14/A510			No	NR		
G106F	D1	GYMNASIUM	24' - 9 3/4"	8' - 0"	0' - 2"	STL/AL/GL	PTD/CLEAR ANO	STL	PTD.	13/A513	15/A513	14/A510			No	NR		
G106G	D1	GYMNASIUM	24' - 9 3/4"	8' - 0"	0' - 2"	STL/AL/GL	PTD/CLEAR ANO	STL	PTD.	13/A513	15/A513	14/A510			No	NR		
G106H	A3	GYMNASIUM	3' - 0"	7' - 9 1/2"	0' - 1 3/4"	AL/GL	CLEAR ANO	AL	CLEAR ANO	6/A512	11/A512	1/A513			Yes	NR		
G106J	D1	GYMNASIUM	24' - 9 3/4"	8' - 0"	0' - 2"	STL/AL/GL	PTD/CLEAR ANO	STL	PTD.	13/A513	15/A513	14/A510			No	NR		
G106K	D1	GYMNASIUM	24' - 9 3/4"	8' - 0"	0' - 2"	STL/AL/GL	PTD/CLEAR ANO	STL	PTD.	13/A513	15/A513	14/A510			No	NR		
G106L	D1	GYMNASIUM	24' - 9 3/4"	8' - 0"	0' - 2"	STL/AL/GL	PTD/CLEAR ANO	STL	PTD.	13/A513	15/A513	14/A510			No	NR		
G106M	A3	GYMNASIUM	3' - 0"	7' - 9 1/2"	0' - 1 3/4"	AL/GL	CLEAR ANO	AL	CLEAR ANO	6/A512	11/A512	1/A513			Yes	NR		
G107A	B1	MAIN ELECTRICAL	3' - 0"	8' - 0"	0' - 1 3/4"	HM	PTD.	HM	PTD.	10/A810	14/A810	10/A810			No	NR	Yes	
G107B	B1	MAIN ELECTRICAL	3' - 0"	8' - 0"	0' - 1 3/4"	HM	PTD.	HM	PTD.	10/A810	14/A810	10/A810				NR		
G109A	B2	GYMNASIUM	6' - 0"	8' - 0"	0' - 1 3/4"	HM	PTD.	HM	PTD.	10/A810	14/A810	10/A810			No	NR	Yes	
G109B	B2	GYMNASIUM	6' - 0"	8' - 0"	0' - 1 3/4"	HM	PTD.	HM	PTD.	10/A810	14/A810	10/A810			No	NR	Yes	
G111A	G1	GYM/POOL COURT	4' - 10"	8' - 0"		STL.	PTD.	STL.	PTD.						Yes			
G111B	G1	GYM/POOL COURT	4' - 8 1/8"	8' - 0"		STL	PTD.	STL	PTD.									
G111C	G1	GYM/POOL COURT	4' - 10"	8' - 0"		STL.	PTD.	STL.	PTD.						Yes	NR		
G112A	B1	GYMNASIUM	3' - 0"	8' - 0"	0' - 1 3/4"	HM	PTD.	HM	PTD.	10/A810	14/A810	10/A810			No	NR	Yes	
G200A	A2	PARK DIRECTOR OFFICE	3' - 0"	7' - 0"	0' - 1 3/4"	AL/GL	CLEAR ANO	AL	CLEAR ANO	2/A513	3/A513	5/A512			Yes	NR		
G200B	A3	PARK DIRECTOR OFFICE	3' - 0"	7' - 0"	0' - 1 3/4"	AL/GL	CLEAR ANO	AL	CLEAR ANO	7/A513	3/A513				Yes	NR		
G201A	B1	STAFF OFFICE TOILET	3' - 0"	8' - 0"	0' - 1 3/4"	HM	PTD.	HM	PTD.	5/A810	6/A810	5/A810			No	NR		
G201C	A3	STAFF OFFICE	3' - 0"	7' - 0"	0' - 1 3/4"	AL/GL	CLEAR ANO	AL	CLEAR ANO	6/A512	3/A513	9/A512			Yes	NR		
G201D			3' - 0"	1' - 0 19/32"							9/A520							
G202B	A2	MEZZANINE CORRIDOR	6' - 0"	7' - 0"		AL/GL	CLEAR ANO	AL	CLEAR ANO	6/A512	3/A513				Yes	NR		
G203A	A3	CLASSROOM	3' - 0"	7' - 0"	0' - 1 3/4"	AL/GL	CLEAR ANO	AL	CLEAR ANO	6/A512	3/A513	9/A512			Yes	NR		
G204A	A2	GYMNASIUM	3' - 0"	7' - 6"	0' - 1 3/4"	AL/GL	CLEAR ANO	AL	CLEAR ANO	2/A513	3/A513	10/A512			Yes	NR		

DOOR SCHEDULE - POOL

DOOR #	DOOR TYPE	ROOM NAME	DOOR OPENING			DOOR		FRAME		DOOR DETAILS			GLAZING	HARDWARE SET	PANIC DEVICE	RATING	LOUVER ED VENT	NOTES
			WIDTH	HEIGHT	THICKNESS	MATERIAL	FINISH	MATERIAL	FINISH	HEAD	JAMB	SILL						
P1A	F1		3' - 0"	8' - 0"	0' - 1 1/2"	STL	PTD.	STL	PTD.									
P2A	F1	STAIR P2	3' - 0 3/4"	8' - 0"	0' - 1 1/2"	STL	PTD.	STL	PTD.									
P100A	B1	FEMALE LOCKER RM CORRIDOR	3' - 0"	8' - 0"	0' - 1 3/4"		PTD.		PTD.	4/A810	8/A810	4/A810			No	NR		
P100B	A2	POOL DECK	3' - 0"	7' - 10 3/4"	0' - 1 3/4"		CLEAR ANO		CLEAR ANO	2/A513	9/A513	1/A513			No	NR		
P100C	A1	LOBBY	6' - 3"	7' - 8 11/16"	0' - 1 3/4"		CLEAR ANO		CLEAR ANO	2/A513	3/A513	1/A513			Yes	NR		
P100D	B1	MENS LOCKER ROOM CORRIDOR	3' - 0"	8' - 0"	0' - 1 3/4"		PTD.		PTD.	4/A810	8/A810	4/A810			Yes	NR		
P100E	A2	LOBBY	3' - 0"	7' - 8 1/4"	0' - 1 3/4"		CLEAR ANO		CLEAR ANO	2/A513	9/A513	1/A513			No	NR		
P102A	B1	LOBBY	3' - 0"	8' - 0"	0' - 1 3/4"		PTD.		PTD.	11/A810	15/A810	11/A810			No	NR		
P103A	B1	LOBBY	3' - 0"	8' - 0"	0' - 1 3/4"		PTD.		PTD.	5/A810	6/A810	5/A810			No	NR		
P104A	B1	FAMILY CHANGING ROOM	3' - 0"	8' - 0"	0' - 1 3/4"		PTD.		PTD.	5/A810	6/A810	5/A810			No	NR		
P105A	B1	GOLD ROOM/STORAGE	3' - 0"	7' - 0"	0' - 1 3/4"		PTD.		PTD.	5/A810	6/A810	5/A810			No	NR		
P106A	B1	LOBBY	3' - 0"	8' - 0"	0' - 1 3/4"		PTD.		PTD.	5/A810	6/A810	5/A810			No	NR		
P109A	B1	FEMALE BAG CHECK	3' - 0"	8' - 0"	0' - 1 3/4"		PTD.		PTD.	5/A810	6/A810	5/A810			No	NR		
P116A	B1	MENS LOCKER ROOM CORRIDOR	3' - 0"	8' - 0"	0' - 1 3/4"		PTD.		PTD.	5/A810	6/A810	5/A810			No	NR		
P116B	B1	MENS BAG CHECK	3' - 0"	8' - 0"	0' - 1 3/4"		PTD.		PTD.	5/A810	6/A810	5/A810			No	NR		
P119A	B1	MENS BAG CHECK	3' - 0"	8' - 0"	0' - 1 3/4"		PTD.		PTD.	5/A810	6/A810	5/A810			No	NR		
P120A	B1	MENS LOCKER ROOM	3' - 0"	8' - 0"	0' - 1 3/4"		PTD.		PTD.	9/A810	13/A810	9/A810			No	NR		
P124A	A3	POOL DECK	3' - 0"	7' - 9 1/2"			CLEAR ANO		CLEAR ANO	6/A512	3/A513				Yes	90 MIN		
P124B	A3	POOL DECK	3' - 0"	7' - 9 1/2"			CLEAR ANO		CLEAR ANO	6/A512	3/A513	1/A513			Yes	90 MIN		
P124C	D1	POOL DECK	24' - 9 3/4"	8' - 0"	0' - 2"	STL/AL/GL	PTD/CLEAR ANO	STL	PTD.	14/A513	15/A513	14/A513				NR		
P124E	A3	POOL DECK	3' - 0"	8' - 0"	0' - 1 3/4"		CLEAR ANO		CLEAR ANO	6/A512	3/A513	1/A513			Yes	NR		
P124F	A3	POOL DECK	3' - 0"	8' - 0"	0' - 1 3/4"		CLEAR ANO		CLEAR ANO	6/A512	3/A513	1/A513			Yes	NR		
P125A	B1	POOL SPECTATOR SEATING	3' - 0"	6' - 8"	0' - 1 3/4"		PTD.		PTD.						Yes	NR		
P125B	B3	POOL SPECTATOR SEATING	3' - 0"	2' - 6"	0' - 2"		CLEAR ANO		CLEAR ANO						No	NR		
P125C	B3	POOL SPECTATOR SEATING	3' - 0"	2' - 6"	0' - 2"										No	NR		
P126A	C2	POOL STORAGE	3' - 0"	8' - 0"	0' - 1 3/4"		PTD.		PTD.	3/A810	7/A810	3/A810			No	NR	Yes	
P127A	C2	POOL EQUIPMENT	3' - 0"	8' - 0"	0' - 1 3/4"		PTD.		PTD.	3/A810	7/A810	3/A810			No	NR	Yes	
P127B	E2	POOL EQUIPMENT	8' - 0"	8' - 0"	0' - 2"		PTD.		PTD.	16/A510	8/A510	15/A510			No	90 MIN		
P128A	C1	POOL EQUIPMENT TANK 01	6' - 0"	8' - 0"	0' - 1 3/4"		PTD.		PTD.	4/A510	3/A510	4/A510			No	90 MIN		
P129A	C1	POOL EQUIPMENT TANK 02	6' - 0"	8' - 0"	0' - 1 3/4"		PTD.		PTD.	4/A510	3/A510	4/A510			No	90 MIN		
P130A	C1	POOL EQUIPMENT TANK 03	6' - 0"	8' - 0"	0' - 1 3/4"		PTD.		PTD.	4/A510	3/A510	4/A510			No	90 MIN		
P131A	C1	WATER TREATMENT	6' - 0"	8' - 0"	0' - 1 3/4"		PTD.		PTD.	4/A510	3/A510	4/A510			No	90 MIN		
P131B			3' - 0"	1' - 0 19/32"							9/A520							
P132A	B2	ELECTRICAL	6' - 0"	8' - 0"	0' - 1 3/4"		PTD.		PTD.	3/A810	7/A810	3/A810			No	NR	Yes	
P135A	B1	FEMALE LOCKER RM CORRIDOR	3' - 0"	8' - 0"	0' - 1 3/4"	HM	PTD.	HM	PTD.	5/A810	6/A810	5/A810			No	NR		
P135B	B1	LOBBY	3' - 0"	8' - 0"	0' - 1 3/4"		PTD.		PTD.	5/A810	6/A810	5/A810			No	NR		
P140A	B1	WOMENS LOCKER ROOM	3' - 0"	8' - 0"	0' - 1 3/4"		PTD.		PTD.	9/A810	13/A810	9/A810			No	NR		
P202A	A3	POOL MEZZANINE LOBBY	3' - 0"	7' - 0"	0' - 1 3/4"	AL/GL	CLEAR ANO	AL	CLEAR ANO	2/A513	3/A513	9/A512			Yes	NR		
P202B	B1	COMMUNITY ROOM	3' - 0"	8' - 0"	0' - 1 3/4"		PTD.		PTD.	1/A510	5/A510	1/A510			Yes	NR		
P202C	B2	STORAGE	6' - 0"	7' - 0"	0' - 1 3/4"		PTD.		PTD.	5/A810	6/A810	5/A810			No	NR	Yes	
P202D	B2	STORAGE	6' - 0"	7' - 0"	0' - 1 3/4"		PTD.		PTD.	5/A810	6/A810	5/A810			No	NR	Yes	
P203A	B1	COMMUNITY ROOM STORAGE	3' - 0"	8' - 0"	0' - 1 3/4"		PTD.		PTD.	5/A810	6/A810	5/A810			No	NR		
P204A	B1	COMMUNITY ROOM STORE	3' - 0"	8' - 0"	0' - 1 3/4"		PTD.		PTD.	5/A810	6/A810	5/A810			No	NR		
P204B	E1	COMMUNITY ROOM STORE	8' - 0"	4' - 0"	0' - 2"					2/A810	12/A810	1/A810				NR		
P205A	A3	FITNESS ROOM	3' - 0"	7' - 0"	0' - 1 3/4"	AL/GL	CLEAR ANO	AL	CLEAR ANO	2/A513	3/A513	9/A512			Yes	NR		
P205B	B2	STORAGE	6' - 0"	7' - 0"	0' - 1 3/4"		PTD.		PTD.	5/A810	6/A810	5/A810			No	NR	Yes	
P205C	B2	STORAGE	6' - 0"	7' - 0"	0' - 1 3/4"		PTD.		PTD.	5/A810	6/A810	5/A810			No	NR	Yes	
P205D	B1	FITNESS ROOM	3' - 0"	8' - 0"	0' - 1 3/4"					1/A510	5/A510	1/A510			Yes	NR		
P206A	B2	FITNESS ROOM STORAGE	6' - 0"	7' - 0"	0' - 1 3/4"		PTD.		PTD.	5/A810	6/A810	5/A810			No	NR	Yes	
P206B	B2	FITNESS ROOM	6' - 0"	7' - 0"	0' - 1 3/4"		PTD.		PTD.	5/A810	6/A810	5/A810			No	NR	Yes	
P206C			3' - 0"	1' - 0 19/32"							9/A520							
P208A	B1	FITNESS ROOM	3' - 0"	8' - 0"	0' - 1 3/4"					5/A810	6/A810	5/A810			No	NR		

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TEMPLATE SHEET REVISION DATE: 08/2014
REVISION DATE: 10/24/2016 5:30 PM
FILE: Z:\14-018 RANCHO CIENEGA SPORTS COMPLEX\DRAWINGS\REVIT\LINKS\AUTOCAD\BIDE_TITLEBLOCK_CD_80PERCENT.DWG

REVISION DATES (DESIGN STAGE ONLY)

BUREAU OF ENGINEERING
ENGINEERING
CITY OF LOS ANGELES

BUREAU OF ENGINEERING

NO.	REVISIONS:	DATE:	BY:

BUILDING NO.

INDEX NO. RP 300094

DANIEL ARCHILA
CERTIFICATE OF AUTHORITY
C-19741
5/31/2017
RENEWAL DATE
STATE OF CALIFORNIA

BID SET SUBMITTAL

CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS

GARY LEE MOORE, PE, ENV SP	CITY ENGINEER
	DATE:
ARCHITECTURAL DIVISION	
LIC. NO. C-19741	
ARCHITECT: ZOLTAN E. PALI, FAIA	
DESIGNED BY: ZEP	
DRAWN BY: AOS	
CHECKED BY: SM	
APPROVED BY: MAHMOOD KARIMZADEH, A.I.A., PRINCIPAL ARCHITECT	

VERTICAL CONTROL:
HORIZONTAL CONTROL:

SHEET TITLE: DOOR SCHEDULE - GYMNASIUM AND POOL

PROJECT: RANCHO CIENEGA SPORTS COMPLEX

ADDRESS: 5001 RODEO ROAD
LOS ANGELES, CA 90016

BUREAU OF ENGINEERING
OFFICIAL RECORD

WORK ORDER NO. E1907694

PLAN FILE NO.

DRAWING NO. A-910

SHEET OF SHEETS

PLOTTED: 12/22/2016 4:29:25 PM

DOOR SCHEDULE - STADIUM

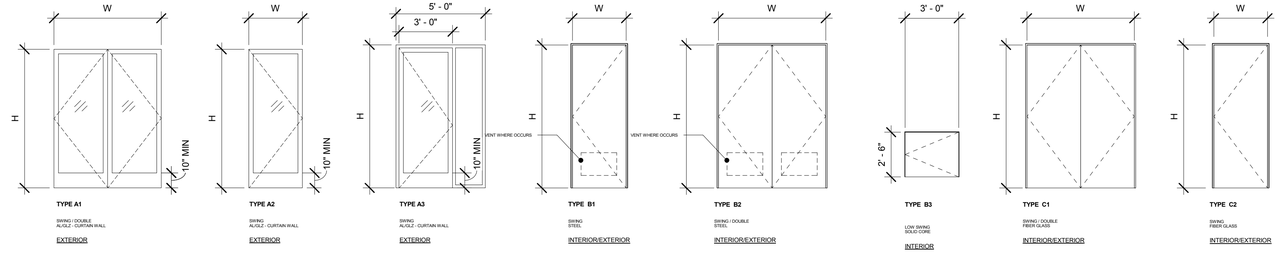
DOOR #	DOOR TYPE	ROOM NAME	DOOR OPENING			DOOR		FRAME		DOOR DETAILS			GLAZING	HARDWARE SET	PANIC DEVICE	RATING	LOUVER ED VENT	NOTES
			WIDTH	HEIGHT	THICKNESS	MATERIAL	FINISH	MATERIAL	FINISH	HEAD	JAMB	SILL						
S101A	B1	CONCESSIONS	2' - 10"	7' - 0"	0' - 1 3/4"		PTD.		PTD.	2/A510	6/A510	2/A510			No	NR		
S101B	B1	CONCESSIONS	2' - 10"	7' - 0"	0' - 1 3/4"		PTD.		PTD.	2/A510	6/A510	2/A510			No	NR		
S101C	E2	CONCESSIONS	7' - 0"	7' - 0"	0' - 2"		PTD.		PTD.	14/A510	7/A510	13/A510			No	NR		
S101D	E1	CONCESSIONS	8' - 0"	4' - 0"	0' - 2"					14/A510	7/A510	13/A510			No	NR		
S101E	E1	CONCESSIONS	8' - 0"	4' - 0"	0' - 2"					14/A510	7/A510	13/A510			No	NR		
S102A	B1	MENS TOILET	2' - 10"	7' - 0"	0' - 1 3/4"		PTD.		PTD.	2/A510	6/A510	2/A510			No	NR		
S103A	B1	WOMENS TOILET	2' - 10"	7' - 0"	0' - 1 3/4"		PTD.		PTD.	2/A510	6/A510	2/A510			No	NR		
S104A	E1	CONCESSIONS VIP	8' - 0"	4' - 0"	0' - 2"					14/A510	7/A510	13/A510			No	NR		
S104B	E1	CONCESSIONS	8' - 0"	4' - 0"	0' - 2"					14/A510	7/A510	13/A510			No	NR		
S104C	E1	CONCESSIONS VIP	8' - 0"	4' - 0"	0' - 2"					14/A510	7/A510	13/A510			No	NR		
S106A	F1	STAIR S1	3' - 0"	8' - 0"	0' - 1 1/2"								0		Yes			
S107A	F1	STAIR S2	3' - 0"	8' - 0"	0' - 1 1/2"		PTD.		PTD.						Yes			
S108	B1	ELEC. RM	2' - 10"	7' - 0"	0' - 1 3/4"		PTD.		PTD.	2/A510	6/A510	2/A510			Yes	NR	Yes	
S108A	B1	ELEC. RM	2' - 10"	7' - 0"	0' - 1 3/4"		PTD.		PTD.	2/A510	6/A510	2/A510			Yes	NR		
S109A	B1	MACHINE RM	2' - 10"	7' - 0"	0' - 1 3/4"					2/A510	6/A510	2/A510			No	NR	Yes	
S110A	F1		3' - 0"	8' - 0"											Yes	NR		
S110B	F1		3' - 0"	8' - 0"											Yes	NR		
S110C	F1		3' - 0"	8' - 0"											Yes	NR		
S111A	B1	TICKET OFFICE	2' - 10"	7' - 0"	0' - 1 3/4"		PTD.		PTD.	2/A510	6/A510	2/A510			No	NR		
S111B	E1	TICKET OFFICE	8' - 0"	4' - 0"	0' - 2"	STL		AL		14/A510	7/A510	13/A510				NR		
S111C	E1	TICKET OFFICE	8' - 0"	4' - 0"	0' - 2"	STL		AL		14/A510	7/A510	13/A510				NR		
S112A	F1	VIP OUTDOOR COURT	3' - 0"	8' - 0"	0' - 1 1/2"					9/A510	13/A510	9/A510	0		Yes			
S201A	B1	PRESS BOX	3' - 0"	8' - 0"	0' - 1 3/4"		PTD.		PTD.	2/A510	6/A510	2/A510			No	NR		
S202	B1	MENS RESTROOM VIP	3' - 0"	8' - 0"	0' - 1 3/4"		PTD.		PTD.	2/A510	6/A510	2/A510			No	NR		
S203	B1	WOMENS RESTROOM VIP	3' - 0"	8' - 0"	0' - 1 3/4"		PTD.		PTD.	2/A510	6/A510	2/A510			No	NR		

DOOR SCHEDULE - TENNIS

DOOR #	DOOR TYPE	ROOM NAME	DOOR OPENING			DOOR		FRAME		DOOR DETAILS			GLAZING	HARDWARE SET	PANIC DEVICE	RATING	LOUVER ED VENT	NOTES
			WIDTH	HEIGHT	THICKNESS	MATERIAL	FINISH	MATERIAL	FINISH	HEAD	JAMB	SILL						
T201A	B1		3' - 0"	8' - 0"	0' - 1 3/4"		PTD.		PTD.	2/A510	6/A510	2/A510				NR		
T202A	B1		3' - 0"	8' - 0"	0' - 1 3/4"		PTD.		PTD.	2/A510	6/A510	2/A510				NR		
T203A	B2	EXISTING TENNIS PRO SHOP	2' - 10"	7' - 0"	0' - 1 3/4"		PTD.		PTD.	5/A810	6/A810	5/A810				NR		

DOOR SCHEDULE - VISITOR

DOOR #	DOOR TYPE	ROOM NAME	DOOR OPENING			DOOR		FRAME		DOOR DETAILS			GLAZING	HARDWARE SET	PANIC DEVICE	RATING	LOUVER ED VENT	NOTES
			WIDTH	HEIGHT	THICKNESS	MATERIAL	FINISH	MATERIAL	FINISH	HEAD	JAMB	SILL						
V102A	B1	VISITOR CONCESSIONS	2' - 10"	7' - 0"	0' - 1 3/4"	HM	PTD.	HM	PTD.	2/A510	6/A510	2/A510				NR		
V102B	E1	VISITOR CONCESSIONS	8' - 0"	4' - 0"	0' - 2"	STL	GALV/PTD	AL	CLEAR ANO	14/A510	7/510	13/A510				NR		
V102C	E1	VISITOR CONCESSIONS	8' - 0"	4' - 0"	0' - 2"	STL	GALV/PTD	AL	CLEAR ANO	14/A510	7/510	13/A510				NR		
V104A	B1	VISITOR WOMENS TOILET	2' - 10"	7' - 0"	0' - 1 3/4"	HM	PTD.	HM	PTD.	9/A510	10/A510	9/A510				NR		
V105A	B1	VISITOR MENS TOILET	2' - 10"	7' - 0"	0' - 1 3/4"	HM	PTD.	HM	PTD.	9/A510	10/A510	9/A510				NR		



TYPE A1 — SWING / DOUBLE AL/GLZ - CURTAIN WALL — EXTERIOR

TYPE A2 — SWING AL/GLZ - CURTAIN WALL — EXTERIOR

TYPE A3 — SWING AL/GLZ - CURTAIN WALL — EXTERIOR

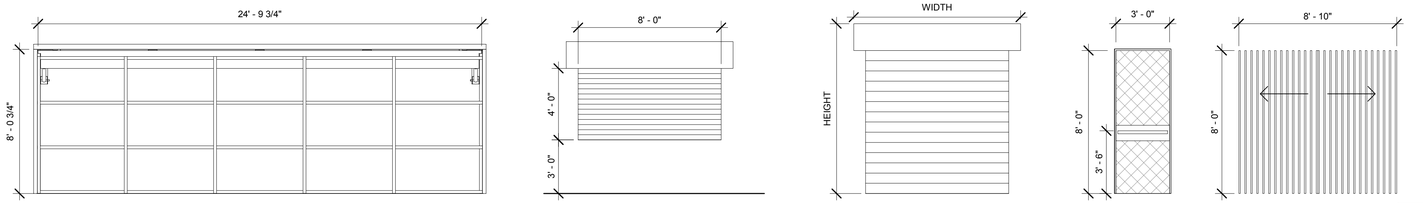
TYPE B1 — SWING STEEL — INTERIOR/EXTERIOR

TYPE B2 — SWING / DOUBLE STEEL — INTERIOR/EXTERIOR

TYPE B3 — LOW SWING SOLID CORE — INTERIOR

TYPE C1 — SWING / DOUBLE FIBER GLASS — INTERIOR/EXTERIOR

TYPE C2 — SWING FIBER GLASS — INTERIOR/EXTERIOR



TYPE D1 — OVERHEAD ALUM. & GLZ. — EXTERIOR

TYPE E1 — OVERHEAD ALUM. — INTERIOR/EXTERIOR

TYPE E2 — OVERHEAD ALUM. — EXTERIOR

TYPE F1 — SWING SECURITY MESH — EXTERIOR

TYPE G1 — SLIDING GATE — EXTERIOR

BUREAU OF ENGINEERING — OFFICIAL RECORD

BID SET SUBMITTAL

CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS BUREAU OF ENGINEERING

ENGINEERING — CITY OF LOS ANGELES

NO. REVISIONS: DATE: BY:

BUILDING NO.

INDEX NO. RP 300094

LICENSED ARCHITECT — JOHN E. PALI — C-19741 — 5/31/2017 — STATE OF CALIFORNIA

GARY LEE MOORE, PE, ENV SP — CITY ENGINEER — DATE:

ARCHITECTURAL DIVISION

ARCHITECT: ZOLTAN E. PALI, FAIA — LIC. NO. C-19741

DESIGNED BY: ZEP

DRAWN BY: AOS

CHECKED BY: SM

APPROVED BY: MAHMOOD KARIMZADEH, A.I.A., PRINCIPAL ARCHITECT

CITY OF LOS ANGELES

VERTICAL CONTROL:

HORIZONTAL CONTROL:

SHEET TITLE: DOOR SCHEDULE - STADIUM

PROJECT: RANCHO CIENEGA SPORTS COMPLEX

ADDRESS: 5001 RODEO ROAD LOS ANGELES, CA 90016

WORK ORDER NO. E1907694

PLAN FILE NO.

DRAWING NO. A-911

SHEET OF SHEETS

PLOTTED: 12/22/2016 4:29:32 PM

REVISION DATES (DESIGN STAGE ONLY)

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TEMPLATE SHEET REVISION DATE: 08/2014

REVISION DATE: 10/24/2016 5:30 PM

FILE: Z:\14-018 RANCHO CIENEGA SPORTS COMPLEX\DRAWINGS\REVITLINKS\AUTOCAD\BIDE_TITLEBLOCK_CD_90PERCENT.DWG

Window Schedule-GYM

#	Room Description	Opening Type	Opening Dimensions Length	Opening Dimensions Height	Opening Finish	Frame Fire Rating	Frame Type	Frame Details Head Detail	Frame Details Jamb Detail	Frame Details Sill Detail	Frame Details Elevation	Hardware	Comments
G1A	GYMNASIUM	1A	15' - 0 3/8"	8' - 0"	ANO. Alum.	-	Alum.	3C/A502	3E/A502	3A/A502	1/A-921		
G1B	GYMNASIUM	1B	5' - 6"	8' - 0"	ANO. Alum.	-	Alum.	3C/A502	3E/A502	3A/A502	6/A-921		
G2	GYMNASIUM	2	5' - 0"	8' - 0'	ANO. Alum.	-	Alum.	3C/A502	3E/A502	3A/A502	10/A-921		
G3	GYMNASIUM	2	5' - 0"	8' - 0"	ANO. Alum.	-	Alum.	3C/A502	3E/A502	3A/A502	2/A-921		
G4A	GYMNASIUM	3A	2' - 6"	8' - 0"	ANO. Alum.	-	Alum.	3C/A502	3E/A502	3A/A502	3/A-921		
G4B	GYMNASIUM	3B	5' - 3 11/16"	8' - 0"	ANO. Alum.	-	Alum.	3C/A502	3E/A502	3A/A502	4/A-921		
G5A	GYMNASIUM	3A	2' - 6 1/8"	8' - 0"	ANO. Alum.	-	Alum.	3C/A502	3E/A502	3A/A502	3/A-921		
G5B	GYMNASIUM	3B	5' - 3 11/16"	8' - 0"	ANO. Alum.	-	Alum.	3C/A502	3E/A502	3A/A502	5/A-921		
G6	GYMNASIUM	2	5' - 0"	8' - 0'	ANO. Alum.	-	Alum.	3C/A502	3E/A502	3A/A502	2/A-921		
G7	GYMNASIUM	2	5' - 0"	8' - 0"	ANO. Alum.	-	Alum.	3C/A502	3E/A502	3A/A502	2/A-921		
G8A		1A	122' - 3 1/2"			-							
G8B	GYMNASIUM	1B	5' - 0 15/16"	8' - 0"	ANO. Alum.	-	Alum.	3C/A502	3E/A502	3A/A502	7/A-921		
G9	GYM MEZZANINE	27	4' - 5 15/16"	21' - 9"	ANO. Alum.	-	Alum.	3C/A502	3E/A502	3A/A502	18/A-921		
G10	GYMNASIUM	7	20' - 1 3/8"	10' - 7 1/4"	ANO. Alum.	-	Alum.	3C/A502	3E/A502	3A/A502	13/A-921		
G11	GYMNASIUM	28	6' - 9 3/4"	5' - 0"	ANO. Alum.	-	Alum.	3C/A502	3E/A502	3A/A502	8/A-921		
G12	GYMNASIUM	28	3' - 1 25/32"	5' - 0"	ANO. Alum.	-	Alum.	3C/A502	3E/A502	3A/A502	8/A-921		
G13	GYM MEZZANINE	27	4' - 5 15/16"	21' - 9"	ANO. Alum.	-	Alum.	3C/A502	3E/A502	3A/A502	18/A-921		
G14	GYM MEZZANINE	27	4' - 6"	21' - 9"	ANO. Alum.	-	Alum.	3C/A502	3E/A502	3A/A502	18/A-921		
G15	GYM MEZZANINE	27	4' - 6"	21' - 9"	ANO. Alum.	-	Alum.	3C/A502	3E/A502	3A/A502	18/A-921		
G16	GYM MEZZANINE	27	4' - 6"	21' - 9"	ANO. Alum.	-	Alum.	3C/A502	3E/A502	3A/A502	18/A-921		
G17	GYM MEZZANINE	25	7' - 8 1/32"	19' - 8 1/4"	ANO. Alum.	-	Alum.	3C/A502	3E/A502	3A/A502	17/A-921		
G18	GYM MEZZANINE	19	116' - 2 5/8"	10' - 10 1/4"	ANO. Alum.	-	Alum.	3C/A502	3E/A502	3A/A502	21/A-921		
G19	GYM MEZZANINE	25	5' - 8 9/16"	19' - 8 1/4"	ANO. Alum.	-	Alum.	3C/A502	3E/A502	3A/A502	16/A-921		
G20	GYM MEZZANINE	27	4' - 6"	21' - 9"	ANO. Alum.	-	Alum.	3C/A502	3E/A502	3A/A502	18/A-921		
G21	GYM MEZZANINE	27	4' - 6"	21' - 9"	ANO. Alum.	-	Alum.	3C/A502	3E/A502	3A/A502	18/A-921		
G22	GYM MEZZANINE	27	4' - 6"	21' - 9"	ANO. Alum.	-	Alum.	3C/A502	3E/A502	3A/A502	18/A-921		
G23	GYM MEZZANINE	26	8' - 5 5/16"	24' - 4 1/4"	ANO. Alum.	-	Alum.	3C/A502	3E/A502	3A/A502	15/A-921		
G24	CLASSROOM	17	3' - 2"	5' - 5 1/2"	ANO. Alum.	-	Alum.	3C/A502	3E/A502	3A/A502	10/A-921		
G25	CLASSROOM	16	12' - 10 1/2"	5' - 5 1/2"	ANO. Alum.	-	Alum.	3C/A502	3E/A502	3A/A502	10/A-921		
G26	CLASSROOM	13	5' - 0"	9' - 0"	ANO. Alum.	-	Alum.	3C/A502	3E/A502	3A/A502	9/A-921		
G27	MEZZANINE FOYER	23	4' - 3 7/8"	9' - 0"	ANO. Alum.	-	Alum.	3C/A502	3E/A502	3A/A502	12/A-921		
G28	MEZZANINE FOYER	8	19' - 4"	9' - 0"	ANO. Alum.	-	Alum.	3C/A502	3E/A502	3A/A502	12/A-921		
G29	MEZZANINE FOYER	13	5' - 4"	9' - 0"	ANO. Alum.	-	Alum.	3C/A502	3E/A502	3A/A502	12/A-921		
G30	STAFF OFFICE	23	3' - 6"	9' - 0"	ANO. Alum.	-	Alum.	3C/A502	3E/A502	3A/A502	12/A-921		
G31	MEZZANINE FOYER	12	5' - 4"	9' - 0"	ANO. Alum.	-	Alum.	3C/A502	3E/A502	3A/A502	12/A-921		
G32	PARK DIRECTOR	15	25' - 11"	5' - 5 1/2"	ANO. Alum.	-	Alum.	3C/A502	3E/A502	3A/A502	20/A-921		
G33	STAFF OFFICE	22	9' - 8"	9' - 0"	ANO. Alum.	-	Alum.	3C/A502	3E/A502	3A/A502	12/A-921		
G34	PARK DIRECTOR	14	10' - 4 3/4"	8' - 11 3/4"	ANO. Alum.	-	Alum.	3C/A502	3E/A502	3A/A502	20/A-921		
G35	GYM MEZZANINE	26	8' - 5 5/16"	24' - 4 1/4"	ANO. Alum.	-	Alum.	3C/A502	3E/A502	3A/A502	14/A-921		

Window Schedule-STADIUM

#	Room Description	Opening Type	Opening Dimensions Length	Opening Dimensions Height	Opening Finish	Frame Fire Rating	Frame Type	Frame Details Head Detail	Frame Details Jamb Detail	Frame Details Sill Detail	Frame Details Elevation	Hardware	Comments
S1	STADIUM MENS TOILET		17' - 8 9/16"	1' - 0"	ANO. Alum.	-							PRIVACY GLASS
S2	STADIUM WOMENS TOILET		16' - 8 3/8"	1' - 0"	ANO. Alum.	-							PRIVACY GLASS
S3	STADIUM PRESS BOX	S1	21' - 2 17/32"	5' - 3"	ANO. Alum.	-	Alum.				20/A-923		
S4	STADIUM OVERLOOK WOMENS RR		16' - 9 11/16"	2' 0"	ANO. Alum.	-							
S5	STADIUM OVERLOOK MENS RR		17' - 0 7/16"	2' 0"	ANO. Alum.								

Window Schedule-POOL

#	Room Description	Opening Type	Opening Dimensions Length	Opening Dimensions Height	Opening Finish	Frame Fire Rating	Frame Type	Frame Details Head Detail	Frame Details Jamb Detail	Frame Details Sill Detail	Frame Details Elevation	Hardware	Comments
P1	POOL DECK	4B	120' - 2"	8' - 0"	ANO. Alum.	-	Alum.	3C/A502	3E/A502	3A/A502	9/A-923		
P1A	POOL DECK	4C	5' - 4 5/16"	8' - 0"	ANO. Alum.	-	Alum.	3C/A502	3E/A502	3A/A502	6/A-923		
P1B	POOL DECK	4A	5' - 6 1/16"	8' - 0"	ANO. Alum.	-	Alum.	3C/A502	3E/A502	3A/A502	4/A-923		
P2	WOMEN'S LOCKER RM	21	8' - 11 5/32"	9' - 11 1/4"	ANO. Alum.	-	Alum.	3C/A502	11/A-506	7/A506	16/A-923		
P3	DIRECTOR'S OFFICE	30	8' - 4 1/16"	5' - 0"	ANO. Alum.	-	Alum.		2/A-924		14/A-923		
P4	POOL LOBBY	10	5' - 7 15/16"	10' - 6"	ANO. Alum.	-	Alum.	3C/A502	3E/A502	3A/A502	2/A-923		
P5A	POOL STAFF OFFICE	29	2' - 4 11/16"	5' - 0"	ANO. Alum.	-	Alum.				11/A-923		
P5B	POOL STAFF OFFICE	29	8' - 11 1/8"	5' - 0"	ANO. Alum.	-	Alum.				11/A-923		
P5C	POOL STAFF OFFICE	29	2' - 4 11/16"	5' - 0"	ANO. Alum.	-	Alum.				11/A-923		
P6A	POOL STAFF OFFICE	29	2' - 3 9/32"	5' - 0"	ANO. Alum.	-	Alum.				12/A-923		
P6B	POOL STAFF OFFICE	29	8' - 11 1/4"	5' - 0"	ANO. Alum.	-	Alum.				12/A-923		
P6C	POOL STAFF OFFICE	29	2' - 3 9/32"	5' - 0"	ANO. Alum.	-	Alum.				12/A-923		
P7	POOL LOBBY	10	5' - 8 3/16"	10' - 6"	ANO. Alum.	-	Alum.	3C/A502	3E/A502	3A/A502	3/A-923		
P8	POOL LOBBY	9	19' - 10 7/8"	10' - 4"	ANO. Alum.	-	Alum.	3C/A502	3E/A502	3A/A502	1/A-923		
P9	OFFICE / FIRST AID	30	8' - 5 5/8"	5' - 0"	ANO. Alum.	-	Alum.		1/A-924		15/A-923		
P10	MEN'S LOCKER RM	21	8' - 8"	9' - 11"	ANO. Alum.	-	Alum.	3C/A502	10/A-924	3A/A502	17/A-923		
P11	POOL DECK	5A	62' - 4 3/4"	8' - 0"	ANO. Alum.	-	Alum.	3C/A502	3E/A502	3A/A502	9/A-923		
P11 A	POOL DECK	5B	5' - 3 7/16"	8' - 0"	ANO. Alum.	-	Alum.	3C/A502	3E/A502	3A/A502	5/A-923		
P12	POOL DECK	6A	32' - 11 11/16"	8' - 0"	ANO. Alum.	-	Alum.	3C/A502	3E/A502	3A/A502	9/A-923		
P12 B	POOL DECK	6B	5' - 1 13/16"	8' - 0"	ANO. Alum.	-	Alum.	3C/A502	3E/A502	3A/A502	8/A-923		
P13	POOL MEZZANINE	1	4' - 6"	21' - 11 1/2"	ANO. Alum.	-	Alum.	3C/A502	3E/A502	3A/A502	9/A922		
P14	POOL MEZZANINE	27	4' - 6"	21' - 11 1/2"	ANO. Alum.	-	Alum.	3C/A502	3E/A502	3A/A502	9/A922		
P15	POOL MEZZANINE	27	4' - 6"	21' - 11 1/2"	ANO. Alum.	-	Alum.	3C/A502	3E/A502	3A/A502	9/A922		
P16	POOL MEZZANINE	27	4' - 6"	21' - 11 1/2"	ANO. Alum.	-	Alum.	3C/A502	3E/A502	3A/A502	9/A922		
P17	POOL MEZZANINE	5A	6' - 6 13/16"	19' - 8 1/4"	ANO. Alum.	-	Alum.	15/A503		14/A503	6/A-922		
P18	COMMUNITY RM	18A	38' - 8 15/16"	5' - 5 3/4"	ANO. Alum.	-	Alum.	15/A503		14/A503	2/A-922		
P19	COMMUNITY RM	18B	7' - 2"	5' - 5 3/4"	ANO. Alum.	-	Alum.	15/A503		14/A503	2/A-922		
P20		24C	4' - 7 1/4"			-							
P21		24B	37' - 5 15/16"			-							
P22		24C	4' - 7 1/4"			-							
P23	FITNESS RM	18B	6' - 5 1/4"	5' - 5 3/4"	ANO. Alum.	-	Alum.	15/A503		14/A503	1/A-922		
P24	FITNESS RM	18A	38' - 6 1/4"	5' - 5 3/4"	ANO. Alum.	-	Alum.	15/A503		14/A503	1/A-922		
P25	POOL MEZZANINE	5B	7' - 0 5/16"	19' - 8 1/4"	ANO. Alum.	-	Alum.	3C/A502	3E/A502	3A/A502	5/A-922		
P26	POOL MEZZANINE	27	4' - 6"	21' - 11 1/2"	ANO. Alum.	-	Alum.	3C/A502	3E/A502	3A/A502	9/A922		
P27	POOL MEZZANINE	27	4' - 6"	21' - 11 1/2"	ANO. Alum.	-	Alum.	3C/A502	3E/A502	3A/A502	9/A922		
P28	POOL MEZZANINE	27	4' - 6"	21' - 11 1/2"	ANO. Alum.	-	Alum.	3C/A502	3E/A502	3A/A502	9/A922		
P29	POOL MEZZANINE	27	4' - 6"	21' - 11 1/2"	ANO. Alum.	-	Alum.	3C/A502	3E/A502	3A/A502	9/A922		
P30	POOL MEZZANINE	25	5' - 11 31/32"	19' - 8 1/4"	ANO. Alum.	-	Alum.	3C/A502	3E/A502	3A/A502	8/A-922		
P30			70' - 1 1/8"										
P31	POOL MEZZANINE	25	6' - 4 1/2"	19' - 8 1/4"	ANO. Alum.	-	Alum.	3C/A502	3E/A502	3A/A502	7/A-922		
P32	POOL MEZZANINE	27	4' - 6"	21' - 11 1/2"	ANO. Alum.	-	Alum.	3C/A502	3E/A502	3A/A502	9/A922		
P33	POOL MEZZANINE	27	4' - 6"	21' - 11 1/2"	ANO. Alum.	-	Alum.	3C/A502	3E/A502	3A/A502	9/A922		
P39	POOL MEZZANINE	20	116' - 9 3/8"	7' - 4 3/4"	ANO. Alum.	-	Alum.	3C/A502	3E/A502	3A/A502	11/A-922		
P41	POOL SPECTATING		70' - 1 1/8"	5' - 6"	ANO. Alum.	-	Alum.				13/A-923		

THE CITY OF LOS ANGELES OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF ELECTRONIC COPIES OF THIS PLAN SHEET.

TEMPLATE SHEET REVISION DATE: 09/2014
REVISION DATE: 10/24/2016 5:30 PM
FILE: Z:\14-018 RANCHO CIENEGA SPORTS COMPLEX\DRAWINGS\REVIT\LINKS-AUTOCAD\BOE_TITLEBLOCK_CD_90PERCENT.DWG

REVISION DATES (DESIGN STAGE ONLY)

BUREAU OF ENGINEERING
ENGINEERING
CITY OF LOS ANGELES

BUREAU OF ENGINEERING
NO. REVISIONS: DATE: BY:

BUILDING NO.

INDEX NO. RP 300094

LICENSED ARCHITECT
ZOLTAN E. PALI
C-19741
5/31/2017
STATE OF CALIFORNIA

BID SET SUBMITTAL

CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS

GARY LEE MOORE, PE, ENV SP CITY ENGINEER
ARCHITECTURAL DIVISION
DATE:
LIC. NO. C-19741
ARCHITECT: ZOLTAN E. PALI, FAIA
DESIGNED BY: ZEP
DRAWN BY: AOS
CHECKED BY: SM
APPROVED BY: MAHMOOD KARIMZADEH, A.I.A., PRINCIPAL ARCHITECT

VERTICAL CONTROL:
HORIZONTAL CONTROL:

SHEET TITLE: WINDOW SCHEDULE

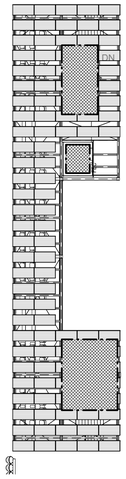
PROJECT: RANCHO CIENEGA SPORTS COMPLEX
ADDRESS: 5001 RODEO ROAD
LOS ANGELES, CA 90016

BUREAU OF ENGINEERING
OFFICIAL RECORD

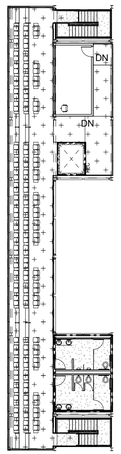
WORK ORDER NO. E1907694
PLAN FILE NO.
DRAWING NO. A-920
SHEET OF SHEETS

PLOTTED: 12/22/2016 4:29:39 PM

11 VISITING TEAM CONCESSION W/C
3/64" = 1'-0"



10 ROOF PLAN - STADIUM OVERLOOK
3/64" = 1'-0"



9 OVERLOOK LEVEL PLAN - STADIUM OVERLOOK
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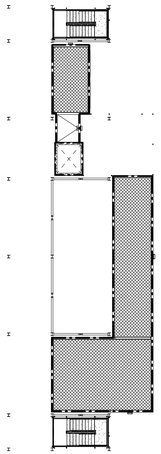

8 ROOF PLAN - STADIUM CONCESSIONS
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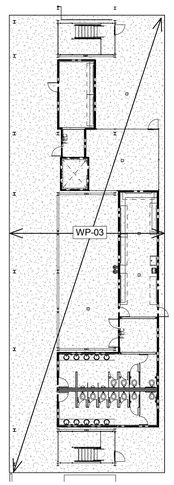

7 GROUND LEVEL PLAN - STADIUM OVERLOOK
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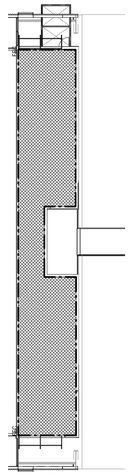
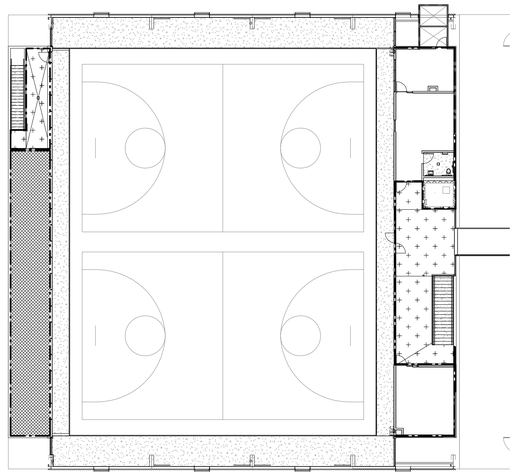


6 MEZZANINE ROOF PLAN - GYMNASIUM
3/64" = 1'-0"



5 MEZZANINE LEVEL PLAN - GYMNASIUM
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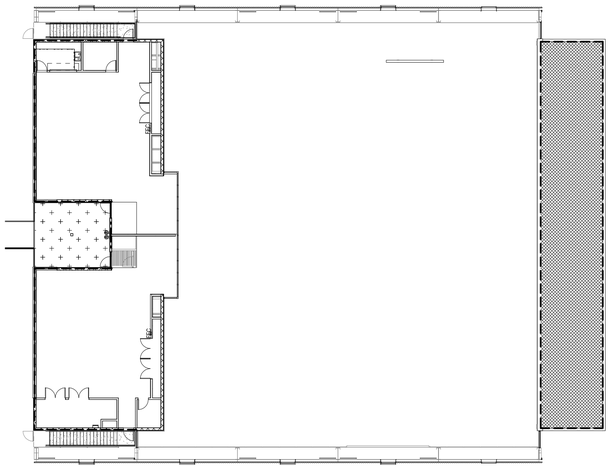

4 MEZZANINE LEVEL PLAN - POOL
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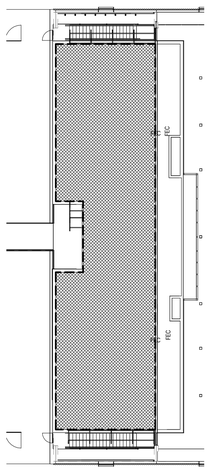

3 MEZZANINE ROOF PLAN - POOL
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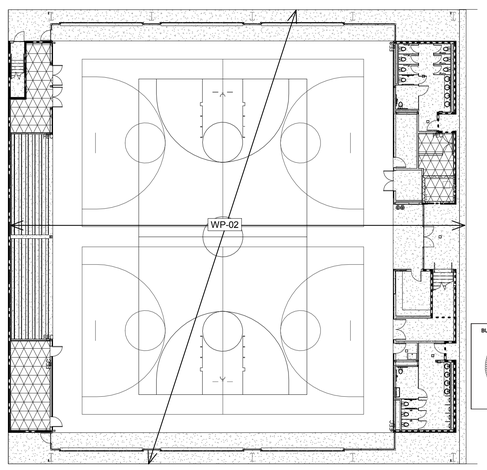

2 GROUND LEVEL PLAN - GYMNASIUM
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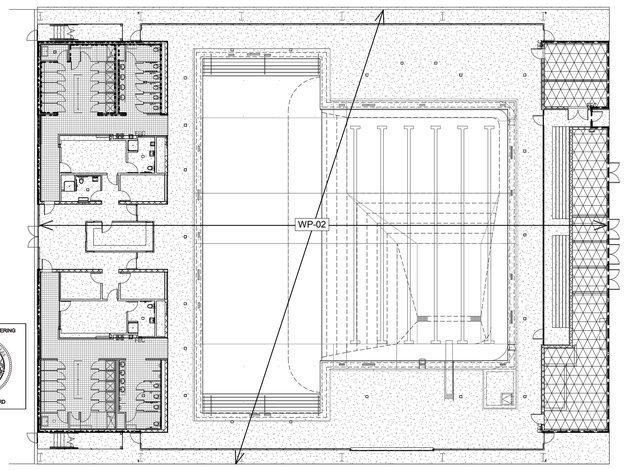
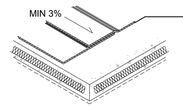
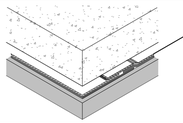
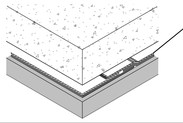
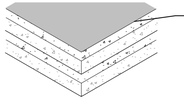
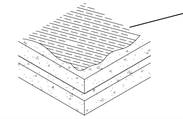
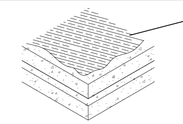
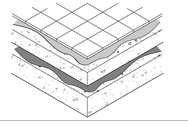
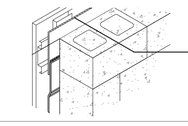
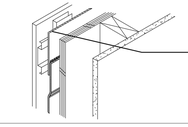
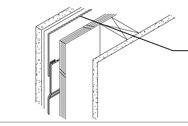
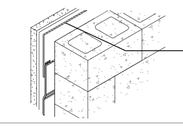
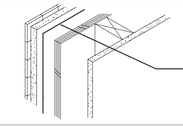


1 GROUND LEVEL PLAN - POOL
3/64" = 1'-0"

BUREAU OF ENGINEERING
OFFICIAL RECORD

TYPE/SPEC	DIAGRAM	ASSEMBLY SYSTEM	LOCATION
WP-01 SPEC. SECTION: 075423		-FELT-BACKED SINGLE-PLY TPO MEMBRANE, 60 MIL -INSULATION TAPERED TO SLOPE MAINTAIN MIN. THICKNESS TO PROVIDE R VALUE SPECIFIED IN T-24 REPORT. -ROOF DECK	-LOW SLOPE ROOF (EXCEPT @ PEMB ROOF)
WP-02 SPEC. SECTION: 071324		-STRUCTURAL CONCRETE SLAB -HDPE PRE APPLIED WP-08 -4" COMPACTED SAND	-UNDERSLAB UNO.
WP-03 SPEC. SECTION: 033000		-STRUCTURAL CONCRETE SLAB -15 MIL VAPOR RETARDER -4" COMPACTED SAND	-UNDERSLAB @ STADIUM GRANDSTAND/ VISITOR'S CONCESSION/ RESTROOM
WP-04 SPEC. SECTION: 071800		-DECK COVERING TRAFFIC TOPPING - DECK COVERING WATERPROOF MEMBRANE -DECK COVERING SLIP SHEET -TOPPING SLAB SLOPED TO DRAIN 2% -STRUCTURAL SLAB	-PEDESTRIAN DECK COATING OVER TOPPING SLAB @ EXTERIOR LOCATIONS.
WP-05 SPEC. SECTION: 099723		-CONC. SEALER PENETRATING -TOPPING SLAB -STRUCTURAL SLAB	-EXPOSED CONCRETE FLOORS (INTERIOR & EXTERIOR)
WP-06 SPEC. SECTION: 075500		-FLUID-APPLIED TRAFFIC COATING/WATERPROOFING -TOPPING SLAB -STRUCTURAL SLAB	-MECHANICAL / ELECTRICAL / UTILITY ROOMS/ ELEVATOR RM PIT
WP-07 SPEC. SECTION:		-CERAMIC TILE -BOND COAT -1-1/4" MIN. MORTAR BED SLOPED TO DRAIN -COLD FLUID APPLIED WATERPROOFING -TOPPING SLAB -STRUCTURAL SLAB	-POOL LOCKER ROOMS
WP-08 SPEC. SECTION: 072727		-BIO-IMPREGNATED WOOD SIDING -GALVANIZED RAINSCREEN STANDOFF SYSTEM -SELF ADHERING VAPOR PERMEABLE AIR BARRIER MEMBRANE -CMU WALL	-RAIN SCREEN OVER CMU
WP-08 SPEC. SECTION:072727		-BIO-IMPREGNATED WOOD SIDING -GALVANIZED RAINSCREEN STANDOFF SYSTEM -SELF ADHERING VAPOR PERMEABLE AIR BARRIER MEMBRANE -WOOD FRAME WALL	-RAIN SCREEN OVER WOOD FRAME WALL
WP-08 SPEC. SECTION: 072727		-PLASTER -LATH -SLIP SHEET -SELF ADHERING VAPOR PERMEABLE AIR BARRIER MEMBRANE -WOOD FRAME WALL	-PLASTER OVER WOOD FRAME WALL
WP-08 SPEC. SECTION: 072727		-PLASTER -LATH -SLIP SHEET -SELF ADHERING VAPOR PERMEABLE AIR BARRIER MEMBRANE -CMU WALL	-PLASTER OVER CMU WALL
WP-09 SPEC. SECTION: 072727		-CERAMIC TILE -BOND COAT -MORTAR BED -SCRATCH COAT -LATH -COLD FLUID APPLIED WATERPROOFING. -WALL	-PLASTER OVER CMU WALL

NOTES:

1. ALL EXTERIOR WALL ASSEMBLIES TO HAVE WATER RESISTIVE BARRIER COMPLYING WITH ASTM D 226 PER CODE SECTION 1404.2

THE CITY OF LOS ANGELES OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF ELECTRONIC COPIES OF THIS PLAN SHEET.

TEMPLATE SHEET REVISION DATE: 08/2014
REVISION DATE: 10/24/2016 5:30 PM FILE: Z:\14-018 RANCHO CIENEGA SPORTS COMPLEX\DRAWINGS\REVIT\LINKS-AUTOCAD\BOE_TITLEBLOCK_CD_90PERCENT.DWG

REVISION DATES
(DESIGN STAGE ONLY)

BID SET SUBMITTAL

CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS
BUREAU OF ENGINEERING
CITY OF LOS ANGELES

NO. REVISIONS: DATE: BY:

BUILDING NO.

INDEX NO. RP 300094

REGISTERED ARCHITECT
JOHN CARL
C-19741
5/31/2017
RENEW
STATE OF CALIFORNIA

GARY LEE MOORE, PE, ENV SP CITY ENGINEER
ARCHITECTURAL DIVISION
ARCHITECT: ZOLTAN E. PALI, FAIA LIC. NO. C-19741 DATE:
DESIGNED BY: ZEP
DRAWN BY: AOS
CHECKED BY: SM
APPROVED BY: MAHMOOD KARIMZADEH, A.I.A., PRINCIPAL ARCHITECT

VERTICAL CONTROL:
HORIZONTAL CONTROL:

SHEET TITLE: WATERPROOFING DETAILS

PROJECT: RANCHO CIENEGA SPORTS COMPLEX

ADDRESS: 5001 RODEO ROAD
LOS ANGELES, CA 90016

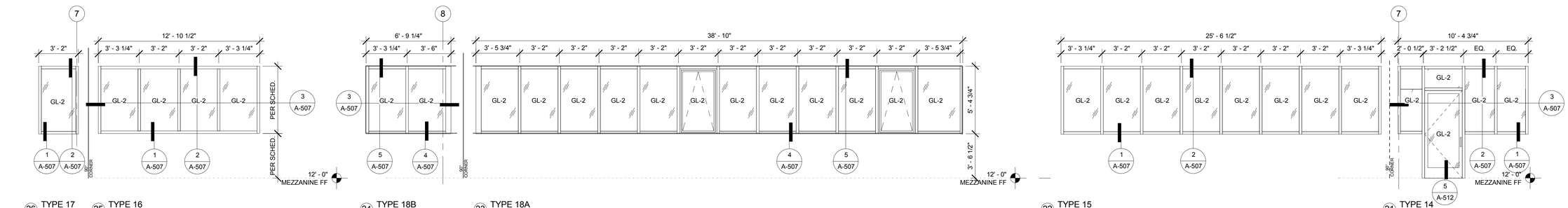
WORK ORDER NO. E1907694

PLAN FILE NO.

DRAWING NO. A-924

SHEET OF SHEETS

PLOTTED: 12/22/2016 4:30:07 PM



26 TYPE 17 1/4" = 1'-0"

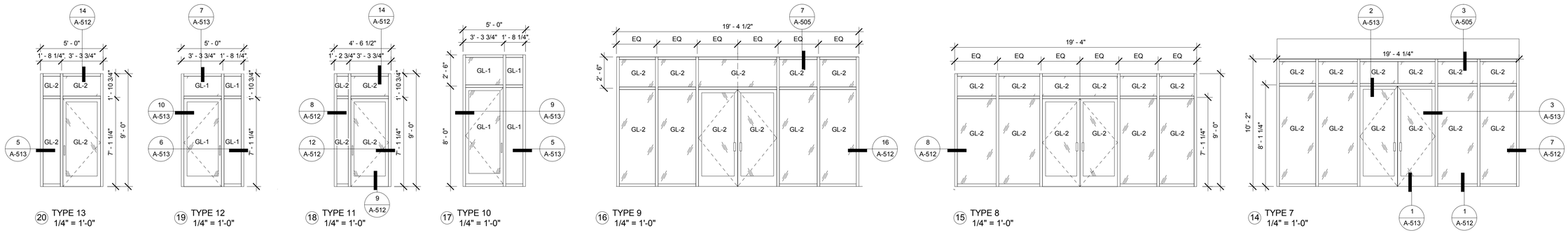
25 TYPE 16 1/4" = 1'-0"

24 TYPE 18B 1/4" = 1'-0"

23 TYPE 18A 1/4" = 1'-0"

22 TYPE 15 1/4" = 1'-0"

21 TYPE 14 1/4" = 1'-0"



20 TYPE 13 1/4" = 1'-0"

19 TYPE 12 1/4" = 1'-0"

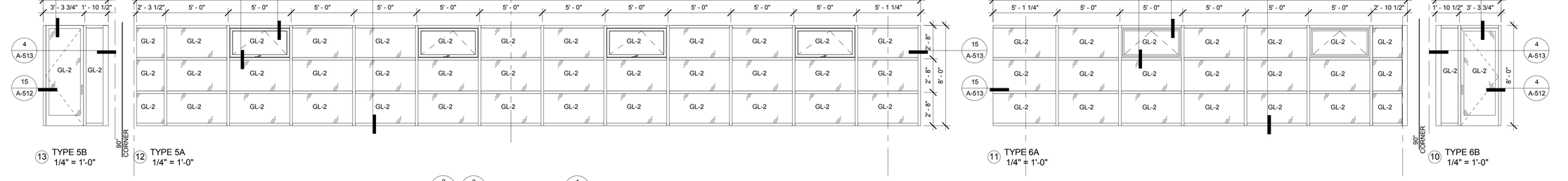
18 TYPE 11 1/4" = 1'-0"

17 TYPE 10 1/4" = 1'-0"

16 TYPE 9 1/4" = 1'-0"

15 TYPE 8 1/4" = 1'-0"

14 TYPE 7 1/4" = 1'-0"

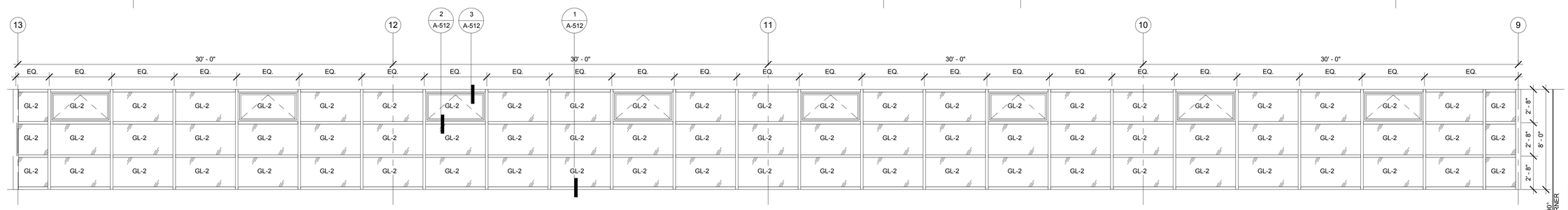


13 TYPE 5B 1/4" = 1'-0"

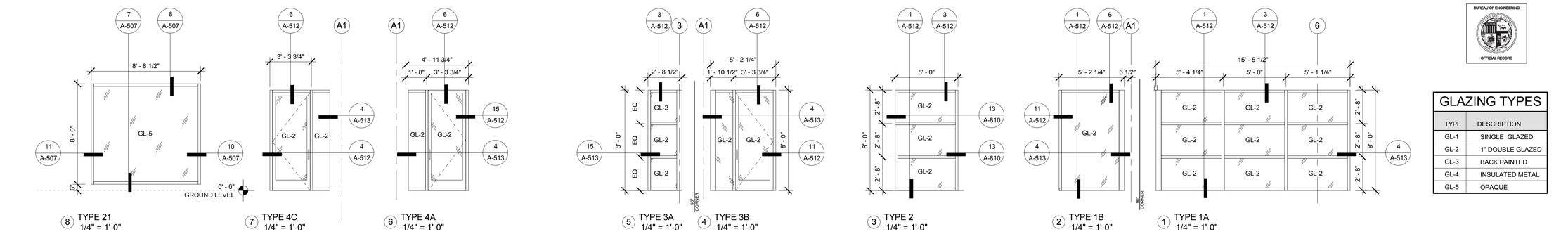
12 TYPE 5A 1/4" = 1'-0"

11 TYPE 6A 1/4" = 1'-0"

10 TYPE 6B 1/4" = 1'-0"



9 TYPE 4B 1/4" = 1'-0"



8 TYPE 21 1/4" = 1'-0"

7 TYPE 4C 1/4" = 1'-0"

6 TYPE 4A 1/4" = 1'-0"

5 TYPE 3A 1/4" = 1'-0"

4 TYPE 3B 1/4" = 1'-0"

3 TYPE 2 1/4" = 1'-0"

2 TYPE 1B 1/4" = 1'-0"

1 TYPE 1A 1/4" = 1'-0"

GLAZING TYPES

TYPE	DESCRIPTION
GL-1	SINGLE GLAZED
GL-2	1" DOUBLE GLAZED
GL-3	BACK PAINTED
GL-4	INSULATED METAL
GL-5	OPAQUE

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REVISION DATE: 10/24/2016 5:30 PM FILE: Z:\14-018 RANCHO CIENEGA SPORTS COMPLEX\DRAWINGS\REVITLINKS-AUTOCAD\BOE_TITLEBLOCK_CD_90PERCENT.DWG

REVISION DATES (DESIGN STAGE ONLY)

BUREAU OF ENGINEERING
CITY OF LOS ANGELES
ENGINEERING

DEPARTMENT OF PUBLIC WORKS

BID SET SUBMITTAL

CITY OF LOS ANGELES
VERTICAL CONTROL:
HORIZONTAL CONTROL:

GARY LEE MOORE, PE, ENV SP CITY ENGINEER
ARCHITECTURAL DIVISION
ARCHITECT: ZOLTAN E. PALI, FAIA LIC. NO. C-19741
DESIGNED BY: ZEP
DRAWN BY: AOS
CHECKED BY: SM
APPROVED BY: MAHMOOD KARIMZADEH, A.I.A., PRINCIPAL ARCHITECT

DATE: BY:
NO. REVISIONS:

BUILDING NO.
INDEX NO. RP 300094

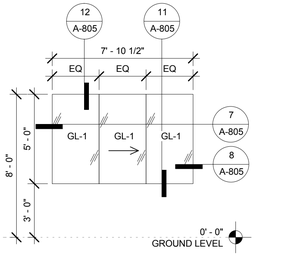
LICENSED ARCHITECT ZOLTAN E. PALI C-19741 5/31/2017 RENEW STATE OF CALIFORNIA

SHEET TITLE: STOREFRONT ELEVATIONS

PROJECT: RANCHO CIENEGA SPORTS COMPLEX
ADDRESS: 5001 RODEO ROAD
LOS ANGELES, CA 90016

WORK ORDER NO. E1907694
PLAN FILE NO.
DRAWING NO. A-925
SHEET OF SHEETS

PLOTTED: 12/22/2016 4:30:18 PM



14 TYPE 30
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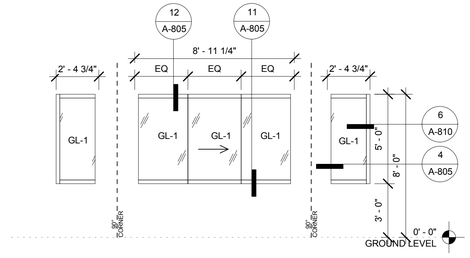

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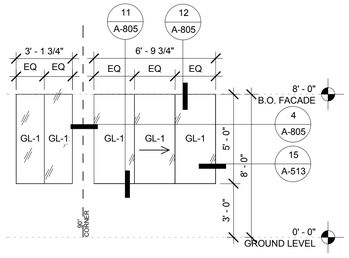

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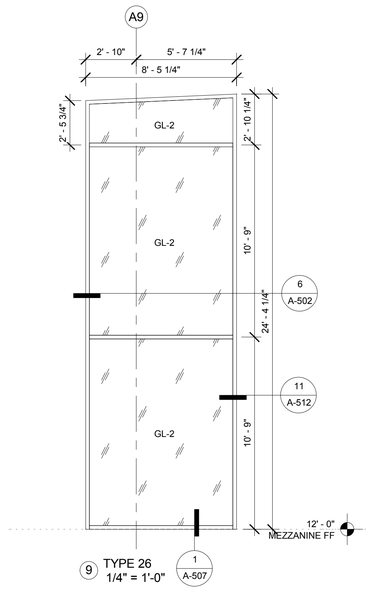

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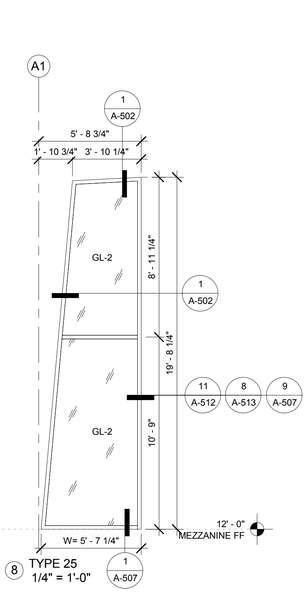

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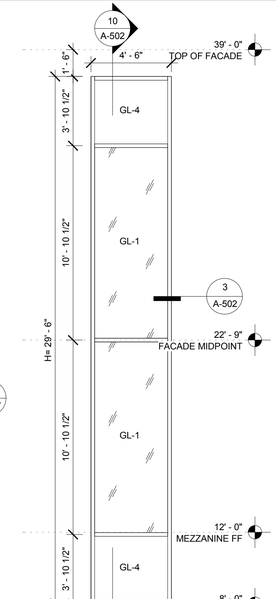

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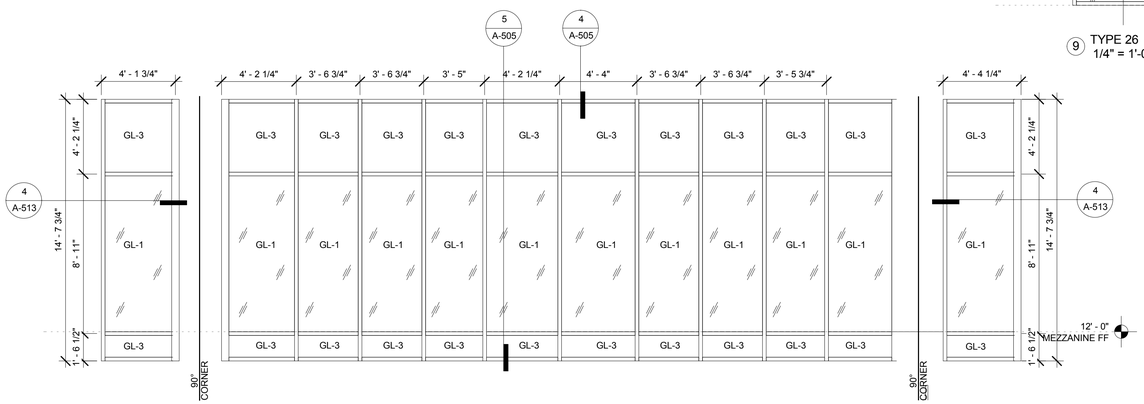
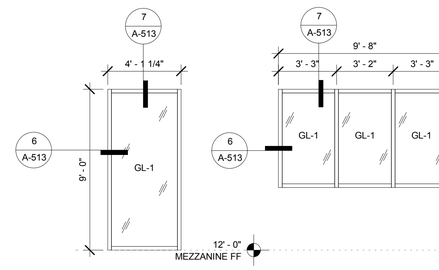


5 TYPE 24A
1/4" = 1'-0"

6 TYPE 24B
1/4" = 1'-0"

7 TYPE 24C
1/4" = 1'-0"



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1/4" = 1'-0"

3 TYPE 22
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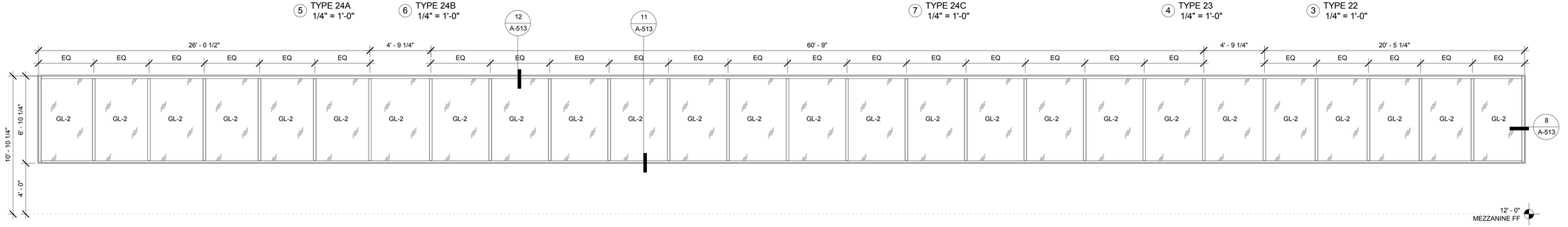

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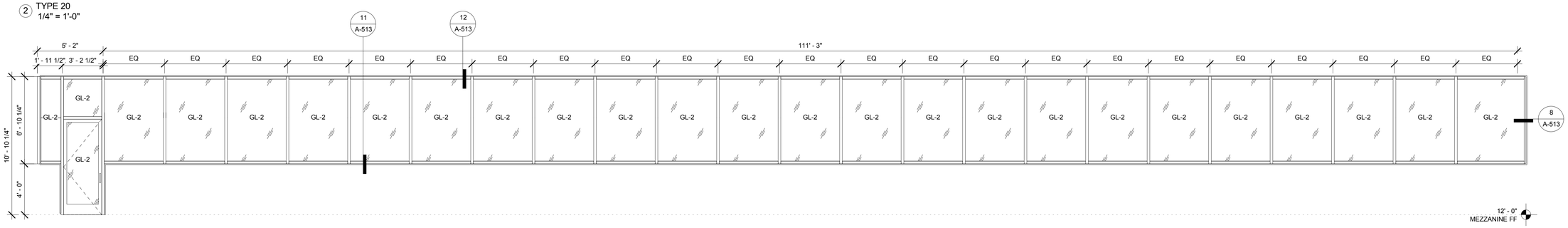

1 TYPE 19
1/4" = 1'-0"

GLAZING TYPES

TYPE	DESCRIPTION
GL-1	SINGLE GLAZED
GL-2	1" DOUBLE GLAZED
GL-3	BACK PAINTED
GL-4	INSULATED METAL
GL-5	OPAQUE

BUREAU OF ENGINEERING
OFFICIAL RECORD

ENGINEERING
CITY OF LOS ANGELES

BUREAU OF ENGINEERING

NO.	REVISIONS:	DATE:	BY:

BUILDING NO.

INDEX NO. RP 300094

LICENSED ARCHITECT
ZOLTAN E. PALI
C-19741
5/31/2017
RENEW
STATE OF CALIFORNIA

BID SET SUBMITTAL

CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS

CITY ENGINEER: GARY LEE MOORE, PE, ENV SP — DATE:
ARCHITECTURAL DIVISION — LIC. NO. C-19741
ARCHITECT: ZOLTAN E. PALI, FAIA
DESIGNED BY: ZEP
DRAWN BY: AOS
CHECKED BY: SM
APPROVED BY: MAHMOOD KARIMZADEH, A.I.A., PRINCIPAL ARCHITECT

VERTICAL CONTROL:
HORIZONTAL CONTROL:

SHEET TITLE: STOREFRONT ELEVATIONS

PROJECT: RANCHO CIENEGA SPORTS COMPLEX
ADDRESS: 5001 RODEO ROAD
LOS ANGELES, CA 90016

WORK ORDER NO. E1907694
PLAN FILE NO.
DRAWING NO. A-926
SHEET OF SHEETS

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REVISION DATE: 10/24/2016 5:30 PM
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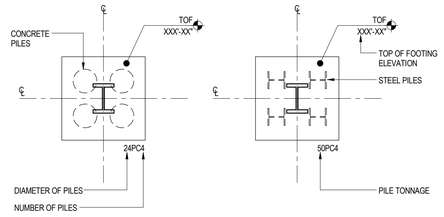
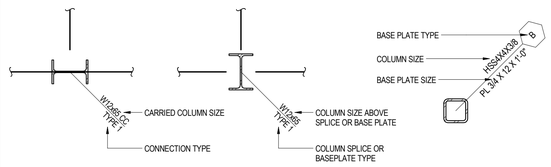
●	S-800	WOOD DETAILS
●	S-801	WOOD DETAILS
●	S-802	WOOD DETAILS

SYMBOLS LEGEND



TYPICAL PILECAP CALLOUT



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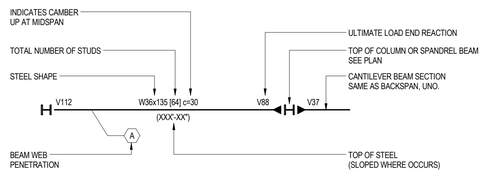

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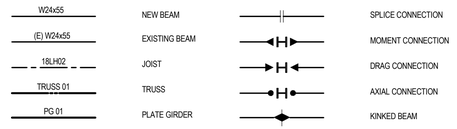

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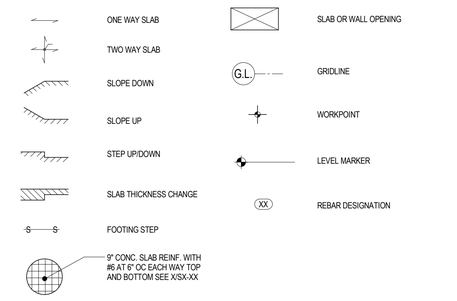
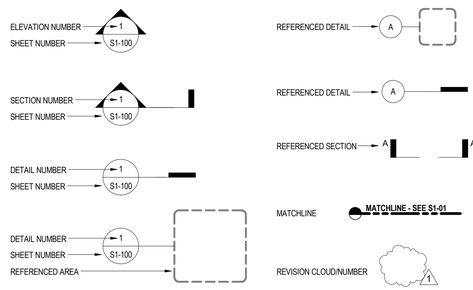


PLAN SYMBOLS



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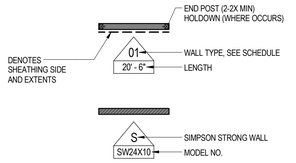

TYPICAL WOOD SHEARWALL CALLOUT

ABBREVIATIONS

#	POUND
AB	ANCHOR BOLT
ABV	ABOVE
ACI	AMERICAN CONCRETE INSTITUTE
ACIP	AUGER CAST IN PLACE
ADDL	ADDITIONAL
ADJ	ADJACENT
AESS	ARCHITECTURALLY EXPOSED STRUCTURAL STEEL
AFF	ABOVE FINISHED FLOOR
AGGR	AGGREGATE
AIA	AMERICAN INSTITUTE OF ARCHITECTS
AISC	AMERICAN INSTITUTE OF STEEL CONSTRUCTION
AISI	AMERICAN IRON AND STEEL INSTITUTE
ALT	ALTERNATE
ALUM	ALUMINUM
ANSI	AMERICAN NATIONAL STANDARDS INSTITUTE
APPROX	APPROXIMATE
ARCH	ARCHITECT OR ARCHITECTURAL
ASCE	AMERICAN SOCIETY FOR CIVIL ENGINEERS
ASTM	AMERICAN SOCIETY FOR TESTING AND MATERIALS
AWS	AMERICAN WELDING SOCIETY
BF	BRACED FRAME
BLDG	BUILDING
BLKG	BLOCKING
BLW	BELOW
BM	BEAM
BN	BOUNDARY NAILING
BO	BOTTOM OF
BOC	BOTTOM OF CONCRETE
BOD	BOTTOM OF DECK
BOS	BOTTOM OF STEEL
BOT	BOTTOM
BP	BASE PLATE
BRBF	BUCKLING RESTRAINED BRACED FRAME
BRDG	BRIDGING
BRG	BEARING
BS	BOTH SIDES
BTWN	BETWEEN
BU	BUILT UP
C TO C	CENTER TO CENTER
CA	COLUMN ABOVE
CANT	CANTILEVER
CB	COLUMN BELOW
CC	CARRIED COLUMN
CEN	CENTER
CF	CUBIC FOOT
CG	CENTER OF GRAVITY
CIP	CAST IN PLACE
CJ	CONSTRUCTION JOINT
CJP	COMPLETE JOINT PENETRATION
CL	CENTER LINE
CLG	CEILING
CLR	CLEAR
CMU	CONCRETE MASONRY UNIT
COL	COLUMN
CONC	CONCRETE
CONN	CONNECTION
CONST	CONSTRUCTION
CONT	CONTINUOUS
CTR	CENTER
CVR	COVER
CY	CUBIC YARD
DBL	DOUBLE
DEPT	DEPARTMENT
DET	DETAIL
DF	DOUGLAS FIR
DFL	DOUGLAS FIR LARCH
DIA	DIAMETER
DIAG	DIAGONAL
DIM(S)	DIMENSION(S)
DL	DEAD LOAD
DN	DOWN
DO	DITTO
DP	DEPTH
DTL	DETAIL
DWG(S)	DRAWING(S)
DWL(S)	DOWEL(S)
(E)	EXISTING
E	EAST
EA	EACH
EBF	ECCENTRICALLY BRACED FRAME
EF	EACH FACE
EJ	EXPANSION JOINT
EL	ELEVATION
ELEC	ELECTRIC
ELEV	ELEVATION
EMBED	EMBEDMENT
EN	EDGE NAIL
ENCL	ENCLOSED
ENGR	ENGINEER
EOR	ENGINEER OF RECORD
EQ	EQUAL
EQUIP	EQUIPMENT
ES	EACH SIDE
ESC	ESCALATOR
ETC	ET CETERA
EW	EACH WAY
EXIST	EXISTING
EXP	EXPANSION
EXT	EXTERIOR
EXTD	EXTEND, EXTENDED
FD	FLOOR DRAIN
FDN	FOUNDATION
FF	FINISHED FLOOR
FG	FINISHED GRADE
FIN	FINISH
FLG	FLANGE
FLR	FLOOR
FO	FACE OF
FOC	FACE OF CONCRETE
FOW	FACE OF WALL
FRMG	FRAMING
FS	FAR SIDE
FT	FEET OR FOOT
FTG	FOOTING
GA	GAGE OR GAUGE
GALV	GALVANIZE
GB	GRADE BEAM
GEN	GENERAL
GL	GRID LINE
GLB	GLUED LAMINATED BEAM
GR	GRADE
GRND	GROUND
GT	GIRDER TRUSS
GYP	GYPSUM BOARD
HDR	HEADER
HEX	HEXAGON
HGR	HANGER
HGT	HEIGHT
HL	HIGHER LEVEL
HORIZ	HORIZONTAL
HP	HIGH POINT
HSB	HIGH STRENGTH BOLT
HT	HIP TRUSS
IBC	INTERNATIONAL BUILDING CODE
ICC	INTERNATIONAL CODE COUNCIL
ID	INSIDE DIAMETER
IF	INSIDE FACE
IJ	ISOLATION JOINT
IMF	INTERMEDIATE MOMENT FRAME
IN	INCH
INCL	INCLUDE OR INCLUDED
INFO	INFORMATION
INSUL	INSULATION
JT	JOINT
K	KIPS (KILO POUND)
KLF	KIPS PER LINEAR FOOT
KSF	KIPS PER SQUARE FOOT

LAM	LAMINATION
LAT	LATERAL
LB	POUND
LG	LONG
LGTH	LENGTH
LL	LIVE LOAD
LLBB	LONG LEGS BACK TO BACK
LLH	LONG LEGS HORIZONTAL
LLV	LONG LEGS VERTICAL
LONGIT	LONGITUDINAL
LP	LOW POINT
LSH	LONG SLOTTED HOLE
LSL	LAMINATED STRAND LUMBER
LT	LIGHT
LVL	LAMINATED VENEER LUMBER
LVL	LEVEL
LWC	LIGHTWEIGHT CONCRETE
MATL	MATERIAL
MAX	MAXIMUM
MB	MACHINE BOLT
MC	MOMENT CONNECTION
MECH	MECHANICAL
MED	MEDIUM
MEZZ	MEZZANINE
MF	MOMENT FRAME
MFR	MANUFACTURER
MFRS	MAIN FORCE RESISTING SYSTEM
MIN	MINIMUM
MISC	MISCELLANEOUS
MTL	METAL
(N)	NEW
N	NORTH
N/A	NOT APPLICABLE
NF	NEAR FACE
NIC	NOT IN CONTRACT
NO	NUMBER
NOM	NOMINAL
NS	NEAR SIDE
NTS	NOT TO SCALE
NWC	NORMAL WEIGHT CONCRETE
OI	OVER
OC	ON CENTER
OCBF	ORDINARY CONCENTRICALLY BRACED FRAME
OCCS	ORDINARY CANTILEVER COLUMN SYSTEM
OD	OUTSIDE DIAMETER
OF	OUTSIDE FACE
OH	OPPOSITE HAND
OMF	ORDINARY MOMENT FRAME
OPNG	OPENING
OPP	OPPOSITE
ORIG	ORIGINAL
OWSJ	OPEN WEB STEEL JOIST
PA	POST ABOVE
PAR	PARALLEL
PB	POST BELOW
PCF	POUNDS PER CUBIC FOOT
PE	PROFESSIONAL ENGINEER
PEMB	PRE-ENGINEERED METAL BUILDING
PERP	PERPENDICULAR
PG	PLATE GIRDER
PJ	POUR JOINT
PJP	PARTIAL JOINT PENETRATION WELD
PL	PLATE
PLF	POUNDS PER LINEAR FOOT
PLYWD	PLYWOOD
PREFAB	PREFABRICATED
PROJ	PROJECT
PROP	PROPERTY LINE
PSF	POUNDS PER SQUARE FOOT
PSI	POUNDS PER SQUARE INCH
PSL	PARALLEL STRAND LUMBER
PT	POST TENSIONED
QTR	QUARTER
R	RADIUS
RBS	REDUCED BEAM SECTION
RC	REINFORCED CONCRETE
RD	ROOF DRAIN
REF	REFERENCE
REINF	REINFORCED
REQD	REQUIRED
REV	REVISE OR REVISION
RF	ROOF
S	SOUTH
SAD	SEE ARCHITECTURAL DRAWINGS
SB	SOLID BLOCKING
SC	SLIP CRITICAL
SCBF	SPECIAL CONCENTRICALLY BRACED FRAME
SCCS	SPECIAL CANILEVER COLUMN SYSTEM
SCD	SEE CIVIL DRAWINGS
SCHED	SCHEDULE
SE	STRUCTURAL ENGINEER
SECT	SECTION
SED	SEE ELECTRICAL DRAWINGS
SHT	SHEET
SIM	SIMILAR
SJ	SEISMIC JOINT
SJI	STEEL JOIST INSTITUTE
SLD	SEE LANDSCAPE DRAWINGS
SM	SHEET METAL
SMD	SEE MECHANICAL DRAWINGS
SMF	SPECIAL MOMENT FRAME
SOG	SLAB ON GRADE
SPD	SEE PLUMBING DRAWINGS
SPEC(S)	SPECIFICATION(S)
SPSW	SPECIAL PLATE SHEAR WALL
SQ	SQUARE
SQFT	SQUARE FEET
SQIN	SQUARE INCH
SSH	SHORT SLOTTED HOLE
SSL	STRUCTURAL SLAB LEVEL
STAGGD	STAGGERED
STD	STANDARD
STIFF	STIFFENER
STIR	STIRRUP
STL	STEEL
STMF	SPECIAL TRUSS MOMENT FRAME
STRUCT	STRUCTURAL
SYM	SYMMETRICAL
T&G	TONGUE AND GROOVE
T AND B	TOP AND BOTTOM
TB	TIE BEAM
TBC	TO BE CONFIRMED
TBD	TO BE DETERMINED
TG	TRANSFER GIRDER
THK	THICK OR THICKNESS
THRU	THROUGH
TOC	TOP OF CONCRETE
TOF	TOP OF FOOTING
TOPC	TOP OF PILE CAP
TOS	TOP OF STEEL
TOSL	TOP OF SLAB
TOW	TOP OF WALL
TR	TRUSS
TRANS	TRANSVERSE
TYP	TYPICAL
UON	UNLESS OTHERWISE NOTED
VERT	VERTICAL
VIF	VERIFY IN FIELD
VOL	VOLUME
W	WEST
W/	WITH
W/O	WITH OUT
WD	WIDTH OR WIDE
WP	WORK POINT
WPM	WATER PROOF MEMBRANE
WRT	WITH RESPECT TO
WT	WEIGHT
WUFW	WELDED UNREINFORCED FLANGE WELDED WEB
WWF	WELDED WIRE FABRIC
YD	YARD

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OFFICIAL RECORD

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BUROHAPPOLD ENGINEERING

BID SET SUBMITTAL

CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS

BUREAU OF ENGINEERING

ENGINEERING
CITY OF LOS ANGELES

NO.	REVISIONS:	DATE:	BY:

BUILDING NO.

INDEX NO. RP 300094

REGISTERED PROFESSIONAL ENGINEER
PATRICK D. ROORDA
No. S4607
EXP. 6-30-17
STRUCTURAL
STATE OF CALIFORNIA

CITY ENGINEER
GARY LEE MOORE, PE, ENV SP
DATE: DEC 15 2016
LIC. NO. S4607
ARCHITECTURAL DIVISION
ENGINEER: DERRICK ROORDA, PE
DESIGNED BY: JR
DRAWN BY: EN
CHECKED BY:
APPROVED BY:

VERTICAL CONTROL:
HORIZONTAL CONTROL:

SHEET TITLE: SYMBOLS, ABBREVIATIONS & SHEET LIST

PROJECT: RANCHO CIENEGA SPORTS COMPLEX

ADDRESS: 5001 RODEO ROAD
LOS ANGELES, CA 90016

WORK ORDER NO.
E1907694

PLAN FILE NO.

DRAWING NO.
S-001

SHEET SHEETS
OF

PLOTTED: ---

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REVISION DATE: 7/21/2015 5:02 PM
FILE: Z:\14-018 RANCHO CIENEGA SPORTS COMPLEX\DRAWINGS\CAD\BLOCKS\TITLEBLOCKS\LA_BOE_TTLB_RCSC_DESIGN DEVELOPMENT.DWG

GENERAL NOTES

I - GENERAL

1. ALL WORK SHALL CONFORM TO THE MINIMUM STANDARDS OF THE FOLLOWING CODES: CALIFORNIA BUILDING CODE (CBC), LOS ANGELES BUILDING CODE (LABC), AND OTHER REGULATING AGENCIES WHICH HAVE AUTHORITY OVER ANY PORTION OF THE WORK, AND THOSE CODES AND STANDARDS LISTED IN THESE NOTES AND IN THE PROJECT SPECIFICATIONS.

2. STRUCTURAL DRAWINGS SHALL BE USED IN CONJUNCTION WITH THE SPECIFICATIONS, ARCHITECTURAL AND MECHANICAL DRAWINGS. IF THERE IS A DISCREPANCY BETWEEN DRAWINGS IT IS THE CONTRACTOR'S RESPONSIBILITY TO NOTIFY THE ENGINEER PRIOR TO PERFORMING WORK.

3. NOTES, TYPICAL DETAILS AND SCHEDULES APPLY TO ALL STRUCTURAL WORK UNLESS OTHERWISE NOTED. FOR CONDITIONS NOT SPECIFICALLY SHOWN, PROVIDE DETAILS OF A SIMILAR NATURE. VERIFY APPLICABILITY BY SUBMITTING SHOP DRAWINGS FOR REVIEW.

4. DO NOT SCALE DRAWINGS TO OBTAIN DIMENSIONAL INFORMATION.

5. THE CONTRACT STRUCTURAL DRAWINGS AND SPECIFICATIONS REPRESENT THE FINISHED STRUCTURE. THEY DO NOT INDICATE THE METHOD OF CONSTRUCTION OR THE SCOPE OF CONTRACT.

6. AT ALL TIMES THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR THE CONDITIONS OF THE JOB SITE INCLUDING SAFETY OF PERSONS AND PROPERTY. THE ARCHITECT'S OR ENGINEER'S PRESENCE OR REVIEW OF WORK DOES NOT INCLUDE THE ADEQUACY OF THE CONTRACTOR'S MEANS OR METHODS OF CONSTRUCTION.

7. THE CONTRACTOR SHALL PROVIDE ALL MEASURES NECESSARY TO PROTECT THE STRUCTURE DURING CONSTRUCTION. SHORING, BRACING AND PROTECTION OF NEW, EXISTING AND ADJACENT STRUCTURES DURING CONSTRUCTION IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR. PROTECT AND MAINTAIN THE INTEGRITY OF ADJACENT STREETS, BUILDINGS AND STRUCTURES.

8. ALL EXISTING DIMENSIONS AND LOCATIONS OF EXISTING STRUCTURES SHOWN ON THE DRAWINGS SHALL BE VERIFIED BY FIELD MEASUREMENTS, ANY DISCREPANCIES SHALL BE REPORTED TO THE ENGINEER IMMEDIATELY.

9. DRAWINGS HAVE BEEN PREPARED BASED ON AVAILABLE KNOWLEDGE OF EXISTING CONDITIONS. IF, DURING DEMOLITION, EXCAVATION OR CONSTRUCTION, ACTUAL CONDITIONS ARE DISCOVERED TO DIFFER FROM THOSE INDICATED ON DRAWINGS, ENGINEER SHALL BE NOTIFIED.

10. ASTM SPECIFICATIONS NOTED SHALL BE THE LATEST REVISION.

11. SEE THE ARCHITECTURAL DRAWINGS FOR THE FOLLOWING:
- SIZE AND LOCATION OF DOOR AND WINDOW OPENINGS.
- SIZE AND LOCATION OF INTERIOR AND EXTERIOR NON-BEARING PARTITIONS.
- SIZE AND LOCATION OF CONCRETE CURBS, FLOOR DRAINS, SLOPES, DEPRESSED AREAS, CHANGES IN LEVEL, CHAMFERS, GROOVES, INSERTS, ETC.
- SIZE AND LOCATION OF FLOOR AND ROOF OPENINGS.
- FLOOR AND ROOF FINISHES.
- STAIR FRAMING AND DETAILS.
- DIMENSIONS NOT SHOWN ON THE STRUCTURAL DRAWINGS.
- CEILING ASSEMBLIES.
- EXTERIOR WALL ASSEMBLIES.
- WATER / DAMP PROOFING AND FIRE PROOFING DETAILS AND REQUIREMENTS.

12. SEE MECHANICAL, PLUMBING, AND ELECTRICAL DRAWINGS FOR THE FOLLOWING:
- PIPES, SLEEVES, HANGERS, TRENCHES, WALL AND FLOOR/ROOF SLAB OPENINGS.
- DUCT PENETRATION ETC, EXCEPT AS SHOWN OR NOTED.
- ELECTRICAL CONDUIT RUNS, BOXES, OUTLETS IN WALLS AND SLABS.
- CONCRETE INSERTS FOR ELECTRICAL, MECHANICAL OR PLUMBING FIXTURES.
- SIZE AND LOCATION OF MACHINE OR EQUIPMENT BASES, ANCHOR BOLTS FOR MOUNTS.

13. NOTIFY THE STRUCTURAL ENGINEER WHEN DRAWINGS BY OTHERS SHOW OPENINGS, POCKETS, ETC., NOT SHOWN ON THE STRUCTURAL DRAWINGS, BUT WHICH ARE LOCATED IN THE STRUCTURAL MEMBERS.

14. CONSTRUCTION MATERIALS SHALL BE SPREAD OUT WHEN PLACED ON FRAMED FLOORS OR ROOFS. THE CONSTRUCTION MATERIAL LOAD SHALL NOT EXCEED THE DESIGN LIVE LOAD PER SQUARE FOOT. PROVIDE ADEQUATE SHORING AND/OR BRACING WHERE STRUCTURE HAS NOT ATTAINED DESIGN STRENGTH.

15. ALL EXTERIOR AND INTERIOR METAL STUD WALLS NOT SPECIFICALLY DETAILED ON THE STRUCTURAL OR ARCHITECTURAL DRAWINGS SHALL BE THE DESIGN RESPONSIBILITY OF THE CONTRACTOR. THE METAL STUD FRAMING SHALL BE DESIGNED AND DETAILED IN ACCORDANCE TO THE LATEST EDITION OF THE LOCAL BUILDING CODE BY A LICENSED PROFESSIONAL ENGINEER AND CONSTRUCTED PER RECOMMENDATION OF THE METAL STUD MANUFACTURER'S ASSOCIATION.

16. A) DESIGN LIVE LOADS:
- ROOFS: 20 PSF
- PUBLIC AREAS, STAIRS, CORRIDORS: 100 PSF
- BALCONIES: 60 PSF
- STORAGE: 125 PSF
- FITNESS AREAS: 150 PSF

B) SEISMIC LOADS:
- MAPPED SPECTRA ACCELERATION (Sa): 1.997 g (0.2 SECONDS)
- MAPPED SPECTRA ACCELERATION (S1): 0.723 g (1.0 SECONDS)
- DESIGN SPECTRA ACCELERATION (Sds): 1.331 g (0.2 SECONDS)
- DESIGN SPECTRA ACCELERATION (Sd1): 0.723 g (1.0 SECONDS)

C) WIND LOADS:
- BASIC WIND SPEED: 115 MPH
- EXPOSURE CATEGORY: B
- IMPORTANCE FACTOR (I): 1.0
- INTERNAL PRESSURE COEFFICIENT (GCPI): ±0.18
- GUST EFFECT FACTOR (G): 0.83

D) STADIUM BLOCK
- OCCUPANCY CATEGORY: III
- IMPORTANCE FACTOR (I): 1.25
- SITE CLASS: D
- SEISMIC DESIGN CATEGORY (SDC): D
- MAIN FORCE RESISTING SYSTEM (MFRS): SCBF/SMRF
- DESIGN BASE SHEAR = Cs W = 123 KIPS, WHERE W = BUILDING WEIGHT = 447 KIPS
- SEISMIC RESPONSE COEFFICIENT, Cs = 0.277
- RESPONSE MODIFICATION FACTOR, R = 6
- ANALYSIS PROCEDURE = EQUIVALENT LATERAL FORCE PROCEDURE
- REDUNDANCY FACTOR: 1.0

E) GYMNASIUM BLOCK
- OCCUPANCY CATEGORY: II
- IMPORTANCE FACTOR (I): 1.00
- SITE CLASS: D
- SEISMIC DESIGN CATEGORY (SDC): D
- MAIN FORCE RESISTING SYSTEM (MFRS): LIGHT-FRAME WALLS SHEATHED WITH WOOD STRUCTURAL PANELS
- WEST BLOCK: DESIGN BASE SHEAR = Cs W = 26.3 KIPS, WHERE W = BUILDING WEIGHT = 128 KIPS
  EAST BLOCK: DESIGN BASE SHEAR = Cs W = 70.5 KIPS, WHERE W = BUILDING WEIGHT = 344 KIPS
- SEISMIC RESPONSE COEFFICIENT, Cs = 0.255
- RESPONSE MODIFICATION FACTOR, R = 6.5
- ANALYSIS PROCEDURE = EQUIVALENT LATERAL FORCE PROCEDURE
- REDUNDANCY FACTOR: 1.0

F) POOL BLOCK
- OCCUPANCY CATEGORY: II
- IMPORTANCE FACTOR (I): 1.00
- SITE CLASS: D
- SEISMIC DESIGN CATEGORY (SDC): D
- MAIN FORCE RESISTING SYSTEM (MFRS): SPECIAL REINFORCED MASONRY SHEAR WALLS
- WEST BLOCK: DESIGN BASE SHEAR = Cs W = 300.5 KIPS,
  WHERE W = BUILDING WEIGHT = 1128 KIPS
  EAST BLOCK: DESIGN BASE SHEAR = Cs W = 83.2 KIPS,
  WHERE W = BUILDING WEIGHT = 312 KIPS
- SEISMIC RESPONSE COEFFICIENT, Cs = 0.200
- RESPONSE MODIFICATION FACTOR, R = 5
- ANALYSIS PROCEDURE = EQUIVALENT LATERAL FORCE PROCEDURE
- REDUNDANCY FACTOR: 1.0

G) TENNIS BLOCK:
- OCCUPANCY CATEGORY: II
- SITE CLASS: D
- SEISMIC DESIGN CATEGORY(SDC):D
- MAIN FORCE RESISTING SYSTEM (MFRS): OCBF/OMF
- DESIGN BASE SHEAR = Cs W = 20.4 KIPS, WHERE W = BUILDING WEIGHT = 46 KIPS
- SEISMIC RESPONSE COEFFICIENT, Cs=0.444
- ANALYSIS PROCEDURE=EQUIVALENT LATERAL FORCE PROCEDURE
- REDUNDANCY FACTOR=1.0

H) PRE-ENGINEERED METAL BUILDINGS:
- OCCUPANCY CATEGORY: III
- IMPORTANCE FACTOR (I): 1.25
- SITE CLASS: D
- SEISMIC LOADING: SEE NOTE B)
- SEISMIC DESIGN CATEGORY (SDC): D
- WIND LOADING: SEE NOTE C)
- SUPERIMPOSED DEAD LOAD: 14 PSF (INCLUDES PV PANELS, ROOFING, AND MEP)
- LIVE LOAD: SEE NOTE A)

II - QUALITY ASSURANCE AND SPECIAL INSPECTIONS

1. OWNER WILL ENGAGE AN INDEPENDENT TESTING AGENCY TO PERFORM THE FOLLOWING INSPECTION AND TESTING IN ACCORDANCE WITH THE REQUIREMENTS OF CBC SECTION 1704, 1707, AND 1708/LABC SECTION 1704, 1707, AND 1708. IT IS THE CONTRACTOR'S RESPONSIBILITY TO PROVIDE ADEQUATE PRIOR NOTICE FOR COMPLETION OF SUCH.

2. SPECIAL INSPECTION SHALL BE REQUIRED FOR THE FOLLOWING TYPES OF WORK:
- CONCRETE WORK WITH STRENGTHS GREATER THAN 2500 PSI.
- FIELD WELDING (EXCEPT STEEL STUDS, FURRING CHANNELS, ETC.).
- MASONRY WORK.
- HIGH-STRENGTH BOLTING.
- REBAR OR BOLTS ANCHORED BY EPOXIES OR GROUTS.
- MECHANICAL REINFORCING BAR SPLICES.
- ANCHOR STUDS.
- EMBEDDED PLATES AND EXPANSION TYPE ANCHOR BOLTS.
- PLACEMENT OF REINFORCING STEEL AND PRE-STRESSING TENDONS.

3. TEN (10) PERCENT OF DRILLED-IN, EPOXY OR GROUT SET ANCHORS SHALL BE PROOF TESTED TO TWO (2) TIMES ALLOWABLE TENSION. NOTIFY ARCHITEC/STRUCTURAL ENGINEER OF ANY FAILURE SO ADDITIONAL TESTING OF ADJACENT ANCHORS CAN BE DIRECTED.

4. QUALITY ASSURANCE PLAN SHALL BE PROVIDED IN ACCORDANCE WITH CBC SECTION 1705/LABC SECTION 1705.

5. WHERE FABRICATION OF STRUCTURAL MEMBERS AND ASSEMBLIES IS PERFORMED ON THE PREMISES OF A FABRICATOR'S SHOP, SPECIAL INSPECTIONS OF FABRICATED ITEMS ARE REQUIRED. SPECIAL INSPECTIONS ARE NOT REQUIRED WHERE WORK IS DONE ON THE PREMISES OF A FABRICATOR REGISTERED AND APPROVED BY THE GOVERNING CODE AUTHORITY TO PERFORM SUCH WORK WITHOUT SPECIAL INSPECTION.

6. THE APPROVED AGENCY SHALL PERFORM SPECIAL INSPECTIONS IN ACCORDANCE WITH CBC SECTION 1704/LABC SECTION 1704 AND WITH THIS SECTION FOR THE FOLLOWING WORK. SEE PROJECT SPECIFICATIONS FOR ADDITIONAL TEST AND INSPECTION REQUIREMENTS.
A. STEEL CONSTRUCTION: SEE TABLE 1
B. CONCRETE/SHOTCRETE CONSTRUCTION: SEE TABLE 2
C. STRUCTURAL MASONRY CONSTRUCTION:
   SEE TABLE 3A FOR OCCUPANCY CATEGORY I, II, OR III OR
   SEE TABLE 3B FOR OCCUPANCY CATEGORY IV
D. SOILS/FOUNDATIONS: SEE TABLE 4
E. DRIVEN DEEP FOUNDATIONS: SEE TABLE 5A
F. WOOD CONSTRUCTION:
   1) FABRICATION PROCESS OF PRE-FABRICATED WOOD STRUCTURAL ELEMENTS AND ASSEMBLIES SEE GENERAL NOTE 05 THIS SECTION."
   2) HIGH LOAD DIAPHRAGM (MULTIPLE ROWS OF FASTENERS):
      A) INSPECT WOOD STRUCTURAL PANEL SHEATHING TO ASCERTAIN WHETHER GRADE AND THICKNESS IS AS SHOWN ON APPROVED DOCUMENTS."
      B) VERIFY THAT THE NOMINAL SIZE OF FRAMING MEMBERS AT ADJOINING PANEL EDGES, THE NAIL OR STAPLE DIAMETER AND LENGTH, THE NUMBER OF FASTENER LINES, AND THE SPACING BETWEEN FASTENERS IN EACH LINE AND AT EDGE MARGINS CONFORMS WITH THE APPROVED DOCUMENTS.

7. THE APPROVED AGENCY SHALL PERFORM SPECIAL INSPECTIONS FOR SEISMIC RESISTANCE IN ACCORDANCE WITH CBC SECTION 1705/LABC SECTION 1705 FOR THE FOLLOWING WORK:
A. STEEL CONSTRUCTION: SEE TABLE 6 AND THE FOLLOWING
   NON-DESTRUCTIVE TESTING (NDT) OF WELDS:"
   1) PROCEDURES:
      A) ULTRASONIC TESTING (UT) SHALL BE PERFORMED ACCORDING TO THE PROCEDURES PRESCRIBED IN ANSI/AISC 341 [APPENDIX W, SECTION W4.1].
      B) MAGNETIC PARTICLE TESTING (MT) SHALL BE PERFORMED ACCORDING TO THE PROCEDURES PRESCRIBED IN ANSI/AISC 341 [APPENDIX W, SECTION W4.2].
   2) REQUIRED NDT
      A) K-AREA NDT: WHEN WELDING OF DOUBLER PLATES, CONTINUITY PLATES, OR STIFFENERS HAS BEEN PERFORMED IN THE K-AREA, THE WEB SHALL BE TESTED FOR CRACKS USING MT. THE MT INSPECTION AREA SHALL INCLUDE THE K-AREA BASE METAL WITHIN 3 INCHES OF THE WELD.
      B) CJP GROOVE WELD NDT: UT SHALL BE PERFORMED ON 100% OF CJP GROOVE WELDS IN MATERIALS 5/16 INCH THICK OR GREATER. UT IN MATERIALS LESS THAN 5/16 INCH THICK IS NOT REQUIRED. MT SHALL BE PERFORMED ON 25% OF ALL BEAM-TO-COLUMN CJP GROOVE WELDS.
      C) BASE METAL NDT FOR LAMELLAR TEARING AND LAMINATIONS: AFTER JOINT COMPLETION, BASE METAL THICKER THAN 1-1/2 INCHES LOADED IN TENSION IN THE THROUGH-THICKNESS DIRECTION IN TEE AND CORNER JOINTS, WHERE THE CONNECTED MATERIAL IS GREATER THAN 3/4 INCH AND CONTAINS CJP GROOVE WELDS, SHALL BE UT FOR DISCONTINUITIES BEHIND AND ADJACENT TO THE FUSION LINE OF SUCH WELDS. ANY BASE METAL DISCONTINUITIES FOUND WITHIN T/4 OF THE STEEL SURFACE SHALL BE ACCEPTED OR REJECTED BASED ON THE CRITERIA OF AWS D1.1 (TABLE 6.2), WHERE T IS THE THICKNESS OF THE PART SUBJECTED TO THE THROUGH-THICKNESS STRAIN.
      D) BEAM COPE AND ACCESS HOLE NDT: AT WELDED SPLICES AND CONNECTIONS, THERMALLY CUT SURFACES OF BEAM COPE AND ACCESS HOLES SHALL BE TESTED USING MT OR PENETRANT TESTING (PT), WHEN THE FLANGE THICKNESS EXCEEDS 1-1/2 INCHES FOR ROLLED SHAPES, OR WHEN THE WEB THICKNESS EXCEEDS 1-1/2 INCHES FOR BUILT-UP SHAPES.
      E) REDUCED BEAM SECTION (RBS) REPAIR NDT: MT SHALL BE PERFORMED ON ANY WELD AND ADJACENT AREA OF THE RBS PLASTIC HINGE REGION THAT HAS BEEN REPAIRED BY WELDING, OR ON THE BASE METAL OF THE RBS PLASTIC REGION IF A SHARP NOTCH HAS BEEN REMOVED BY GRINDING.
      F) WELD TAB REMOVAL SITES: MT SHALL BE PERFORMED ON THE END OF WELDS FROM WHICH THE WELD TABS HAVE BEEN REMOVED, EXCEPT FOR CONTINUITY PLATE WELD TABS.
      G) REDUCTION OF PERCENTAGE OF UT: THE AMOUNT OF UT IS PERMITTED TO BE REDUCED IF APPROVED BY THE EOR AND THE GOVERNING CODE AUTHORITY. THE NDT RATE FOR AN INDIVIDUAL WELDER OR WELDING OPERATOR MAY BE REDUCED TO 25%, PROVIDED THE REJECT RATE IS DEMONSTRATED TO BE 5% OR LESS OF THE WELDS TESTED FOR THE WELDER OR WELDING OPERATOR. A SAMPLING OF AT LEAST 40 COMPLETED WELDS FOR A JOB SHALL BE MADE FOR SUCH REDUCTION EVALUATION. REJECT RATE IS THE NUMBER OF WELDS CONTAINING REJECTABLE DEFECTS DIVIDED BY THE NUMBER OF WELDS COMPLETED. FOR EVALUATING THE REJECT RATE OF CONTINUOUS WELDS OVER 3 FEET IN LENGTH WHERE THE EFFECTIVE THROAT THICKNESS IS 1 INCH OR LESS, EACH 12-INCH INCREMENT OR FRACTION THEREOF SHALL BE CONSIDERED AS ONE WELD. FOR EVALUATING THE REJECT RATE OF CONTINUOUS WELDS OVER 3 FEET IN LENGTH WHERE THE EFFECTIVE THROAT THICKNESS IS GREATER THAN 1 INCH, EACH 6 INCHES OF LENGTH OR FRACTION THEREOF SHALL BE CONSIDERED ONE WELD.
      H) REDUCTION OF PERCENTAGE OF MT: THE AMOUNT OF MT ON CJP GROOVE WELDS IS PERMITTED TO BE REDUCED IF APPROVED BY THE EOR AND THE GOVERNING CODE AUTHORITY. THE MT RATE FOR AN INDIVIDUAL WELDER OR WELDING OPERATOR MAY BE REDUCED TO 10%, PROVIDED THE REJECT RATE IS DEMONSTRATED TO BE 5% OR LESS OF THE WELDS TESTED FOR THE WELDER OR WELDING OPERATOR. A SAMPLING OF AT LEAST 20 COMPLETED WELDS FOR A JOB SHALL BE MADE FOR SUCH REDUCTION EVALUATION. REJECT RATE IS THE NUMBER OF WELDS CONTAINING REJECTABLE DEFECTS DIVIDED BY THE NUMBER OF WELDS COMPLETED. THIS REDUCTION IS NOT PERMITTED ON WELDS IN THE K-AREA, AT REPAIR SITES, WELD TAB AND BACKING REMOVAL SITES AND ACCESS HOLES.
   3) DOCUMENTATION: ALL NDT PERFORMED SHALL BE DOCUMENTED. FOR SHOP FABRICATION, THE NDT REPORT SHALL IDENTIFY THE TESTED WELD BY PIECE MARK AND LOCATION IN THE PIECE. FOR FIELD WORK, THE NDT REPORT SHALL IDENTIFY THE TESTED WELD BY LOCATION IN THE STRUCTURE, PIECE MARK, AND THE LOCATION IN THE PIECE."
B. STRUCTURAL WOOD: CONTINUOUS SPECIAL INSPECTION IS REQUIRED DURING FIELD GLUING OPERATIONS OF ELEMENTS OF THE SEISMIC LOAD RESISTING SYSTEM (SLRS). PERIODIC SPECIAL INSPECTION IS REQUIRED FOR NAILING, BOLTING, ANCHORING AND OTHER FASTENING OF COMPONENTS WITHIN THE SLRS, INCLUDING WOOD SHEAR WALLS, WOOD DIAPHRAGMS, DRAG-STRUTS, BRACES, SHEAR PANELS AND HOLD-DOWNS.
   1) SPECIAL INSPECTION IS NOT REQUIRED FOR WOOD SHEAR WALLS, SHEAR PANELS AND DIAPHRAGMS, INCLUDING NAILING, BOLTING, ANCHORING AND OTHER FASTENING TO OTHER COMPONENTS OF THE SLRS, WHERE FASTENER SPACING OF THE SHEATHING IS MORE THAN 4 INCHES ON CENTER.
C. DESIGNATED SEISMIC SYSTEM VERIFICATIONS: THE SPECIAL INSPECTOR SHALL EXAMINE DESIGNATED SEISMIC SYSTEMS REQUIRING SEISMIC QUALIFICATIONS IN ACCORDANCE WITH CBC SECTION 1705.12/LABC SECTION 1705.12 AND VERIFY THAT THE LABEL, ANCHORAGE OR MOUNTING CONFORMS TO THE CERTIFICATE OF COMPLIANCE.

8. DEFINITIONS:
A. CONTINUOUS - THE FULL-TIME OBSERVATION OF WORK REQUIRING SPECIAL INSPECTION BY AN APPROVED SPECIAL INSPECTOR WHO IS PRESENT IN THE AREA WHERE THE WORK IS BEING PERFORMED."
B. PERIODIC - THE PART-TIME OR INTERMITTENT OBSERVATION OF WORK REQUIRING SPECIAL INSPECTION BY AN APPROVED SPECIAL INSPECTOR WHO IS PRESENT IN THE AREA WHERE THE WORK IS BEING PERFORMED AND AT THE COMPLETION OF WORK.

REQUIRED VERIFICATION AND INSPECTION TASKS

TABLE 1: STRUCTURAL STEEL	CONT	PER
√ 1. MATERIAL VERIFICATION OF HIGH-STRENGTH BOLTS, NUTS & WASHERS:		
A. IDENTIFICATION MARKINGS TO CONFORM TO ASTM STANDARDS SPECIFIED IN THE APPROVED CONSTRUCTION DOCUMENTS		√P
B. MANUFACTURER'S CERTIFICATE OF COMPLIANCE REQUIRED		√P
√ 2. INSPECTION OF HIGH-STRENGTH BOLTING:		
A. SNUG-TIGHT JOINT		√P
B. PRE-TENSIONED AND SLIP-CRITICAL JOINTS USING TURN-OF-THE-NUT WITH MATCHMARKING, TWIST-OFF BOLT OR DIRECT TENSION INDICATOR \ METHODS OF INSTALLATION		√P
C. PRE-TENSIONED AND SLIP-CRITICAL JOINTS USING TURN-OF-THE-NUT WITHOUT MATCHMARKING OR CALIBRATED WRENCH METHODS OF INSTALLATION	√C	
√ 3. MATERIAL VERIFICATION OF STRUCTURAL STEEL & COLD-FORMED STEEL DECK:		
A. FOR STRUCTURAL STEEL, IDENTIFICATION MARKINGS TO CONFORM TO AISC 360		√P
B. FOR OTHER STEEL, IDENTIFICATION MARKINGS TO CONFORM TO ASTM STANDARDS SPECIFIED IN THE APPROVED CONSTRUCTION DOCUMENTS		√P
C. MANUFACTURER'S CERTIFIED TEST REPORTS		√P
√ 4. MATERIAL VERIFICATION OF WELD FILLER MATERIALS:		
A. IDENTIFICATION MARKINGS TO CONFORM TO AWS SPECIFICATION IN THE APPROVED CONSTRUCTION DOCUMENTS		√P
B. MANUFACTURER'S CERTIFICATE OF COMPLIANCE REQUIRED		√P
√ 5. INSPECTION OF WELDING:		
A. STRUCTURAL STEEL & COLD-FORMED STEEL DECK:		
I. COMPLETE & PARTIAL JOINT PENETRATION GROOVE WELDS	√C	
II. MULTI-PASS FILLET WELDS	√C	
III. SINGLE-PASS FILLET WELDS > 5/16"	√C	
IV. PLUG & SLOT WELDS	√C	
V. SINGLE-PASS FILLET WELDS ≤ 5/16"		√P
VI. FLOOR & ROOF DECK WELDS		√P
B. REINFORCING STEEL:		
I. VERIFICATION OF WELDABILITY OF REINFORCING STEEL OTHER THAN ASTM A706		√P
II. REINFORCING STEEL RESISTING FLEXURAL AND AXIAL FORCES IN INTERMEDIATE & SPECIAL MOMENT FRAMES, & BOUNDARY ELEMENTS OF SPECIAL STRUCTURAL WALLS OF CONCRETE & SHEAR REINFORCEMENT	√C	
III. SHEAR REINFORCEMENT	√C	
IV. OTHER REINFORCING STEEL		√P
√ 6. INSPECTION OF STEEL FRAME JOINT DETAILS FOR COMPLIANCE:		
A. DETAILS SUCH AS BRACING & STIFFENING		√P
B. MEMBER LOCATIONS		√P
C. APPLICATION OF JOINT DETAILS AT EACH CONNECTION		√P

TABLE 2: CONCRETE	CONT	PER
√ 1. INSPECTION OF REINFORCING STEEL, INCLUDING PRESTRESSING TENDONS, AND PLACEMENT		√P
√ 2. INSPECTION OF REINFORCING STEEL WELDING IN ACCORDANCE WITH TABLE 1, ITEM 5B		
√ 3. INSPECTION OF BOLTS TO BE INSTALLED IN CONCRETE PRIOR TO AND DURING PLACEMENT OF CONCRETE WHERE ALLOWABLE LOADS HAVE BEEN INCREASED OR WHERE STRENGTH DESIGN IS USED	√C	
√ 4. INSPECTION OF ANCHORS INSTALLED IN HARDENED CONCRETE		√P
√ 5. VERIFYING USE OF REQUIRED DESIGN MIX		√P
√ 6. AT THE TIME FRESH CONCRETE IS SAMPLED TO FABRICATE SPECIMENS FOR STRENGTH TESTS, PERFORM SLUMP AND AIR CONTENT TESTS, AND DETERMINE THE TEMPERATURE OF THE CONCRETE	√C	
7. INSPECTION OF CONCRETE AND SHOTCRETE PLACEMENT FOR PROPER APPLICATION TECHNIQUES	√C	
8. INSPECTION FOR MAINTENANCE OF SPECIFIED CURING TEMPERATURE AND TECHNIQUES		√P
9. INSPECTION OF PRESTRESSED CONCRETE:	√C	
A. APPLICATION OF PRESTRESSING FORCES		
B. GROUTING OF BONDED PRESTRESSING TENDONS IN THE SEISMIC-FORCE-RESISTING SYSTEM (SFRS)	√C	
10. ERECTION OF PRECAST CONCRETE MEMBERS		√P
11. VERIFICATION OF IN-SITU CONCRETE STRENGTH, PRIOR TO STRESSING OF TENDONS IN POST-TENSIONED CONCRETE AND PRIOR TO REMOVAL OF SHORES AND FORMS FROM BEAMS AND STRUCTURAL SLABS		√P
√ 12. INSPECT FORMWORK FOR SHAPE, LOCATION AND DIMENSIONS OF THE CONCRETE MEMBER BEING FORMED		√P

TABLE 3A: LEVEL 1 CONCRETE MASONRY UNIT (CMU)	CONT	PER
√ 1. COMPLIANCE WITH REQUIRED INSPECTION PROVISIONS OF THE CONSTRUCTION DOCUMENTS AND THE APPROVED SUBMITTALS SHALL BE VERIFIED		√P
√ 2. VERIFICATION OF F'M PRIOR TO CONSTRUCTION		√P
√ 3. VERIFICATION OF SLUMP FLOW AND VSI AS DELIVERED TO THE SITE FOR SELF-CONSOLIDATING GROUT.		√P
√ 4. AS MASONRY CONSTRUCTION BEGINS, THE FOLLOWING SHALL BE VERIFIED TO ENSURE COMPLIANCE:		
A. PROPORTIONS OF SITE-PREPARED MORTAR		√P
B. CONSTRUCTION MORTAR JOINTS		√P
C. LOCATION OF REINFORCEMENT AND CONNECTORS		√P
√ 5. DURING CONSTRUCTION THE INSPECTION PROGRAM SHALL VERIFY:		
A. SIZE AND LOCATION OF STRUCTURAL ELEMENTS		√P
B. TYPE, SIZE AND LOCATION OF ANCHORS, INCLUDING OTHER DETAILS OF ANCHORAGE OF MASONRY TO STRUCTURAL MEMBERS, FRAMES OR OTHER CONSTRUCTION		√P
C. SPECIFIED SIZE, GRADE AND TYPE OF REINFORCEMENT, ANCHOR BOLTS AND ANCHORAGES		√P
D. WELDING OF REINFORCING BARS	√C	
E. PREPARATION, CONSTRUCTION AND PROTECTION OF MASONRY DURING COLD WEATHER (TEMPERATURE BELOW 40°F) OR HOT WEATHER (TEMPERATURE ABOVE 90°F)		√P
√ 6. PRIOR TO GROUTING, THE FOLLOWING SHALL BE VERIFIED TO ENSURE COMPLIANCE:		
A. GROUT SPACE IS CLEAN		√P
B. PLACEMENT OF REINFORCEMENT AND CONNECTORS		√P
C. PROPORTIONS OF SITE-PREPARED GROUT		√P
D. CONSTRUCTION MORTAR JOINTS		√P
√ 7. GROUT PLACEMENT SHALL BE VERIFIED TO ENSURE COMPLIANCE WITH CODE AND CONSTRUCTION DOCUMENT PROVISIONS	√C	
√ 8. PREPARATION OF ANY REQUIRED GROUT SPECIMENS, MORTAR SPECIMENS AND/OR PRISMS SHALL BE OBSERVED	√C	

LEGEND (TABLES 1 THROUGH 5):

•√	=	**TASK/VERIFICATION REQUIRED**
√C	=	**CONTINUOUSLY**
√P	=	**PERIODICALLY**
"BLANK"	=	**TASK NOT REQUIRED**

TABLE 4: SOILS/FOUNDATIONS	CONT	PER
√ 1. VERIFY MATERIALS BELOW SHALLOW FOUNDATIONS ARE ADEQUATE TO ACHIEVE THE DESIGN BEARING CAPACITY		√P
√ 2. VERIFY EXCAVATIONS ARE EXTENDED TO PROPER DEPTH AND HAVE REACHED PROPER MATERIAL		√P
√ 3. PERFORM CLASSIFICATION AND TESTING OF CONTROLLED FILL MATERIALS		√P
√ 4. VERIFY USE OF PROPER MATERIALS, DENSITIES AND LIFT THICKNESSES DURING PLACEMENT AND COMPACTION OF CONTROLLED FILL	√C	
√ 5. PRIOR TO PLACEMENT OF CONTROLLED FILL, OBSERVE SUBGRADE AND VERIFY THAT SITE HAS BEEN PREPARED PROPERLY		√P

TABLE 5A: DRIVEN DEEP FOUNDATION ELEMENTS	CONT	PER
√ 1. VERIFY ELEMENT MATERIALS, SIZES AND LENGTHS COMPLY WITH THE CONSTRUCTION DOCUMENT REQUIREMENTS	√C	
√ 2. DETERMINE CAPACITIES OF TEST ELEMENTS AND CONDUCT ADDITIONAL LOAD TESTS, AS REQUIRED	√C	
√ 3. OBSERVE DRIVING OPERATIONS AND MAINTAIN COMPLETE AND ACCURATE RECORDS FOR EACH ELEMENT	√C	
√ 4. VERIFY PLACEMENT LOCATIONS AND PLUMBNESS, CONFIRM TYPE AND SIZE OF HAMMER, RECORD NUMBER OF BLOWS PER FOOT OF PENETRATION, DETERMINE REQUIRED PENETRATIONS TO ACHIEVE DESIGN CAPACITY, RECORD TIP AND BUTT ELEVATIONS AND DOCUMENT ANY DAMAGE TO FOUNDATION ELEMENT	√C	
√ 5. FOR STEEL ELEMENTS, PERFORM ADDITIONAL INSPECTIONS IN ACCORDANCE WITH TABLE 1		
6. FOR CONCRETE ELEMENTS AND CONCRETE-FILLED ELEMENTS, PERFORM ADDITIONAL INSPECTIONS IN ACCORDANCE WITH TABLE 2		
7. FOR SPECIALTY ELEMENTS, PERFORM ADDITIONAL INSPECTIONS AS DETERMINED BY THE REGISTERED DESIGN PROFESSIONAL IN RESPONSIBLE CHARGE		

REQUIRED VERIFICATION AND INSPECTION OF LATERAL FORCE RESISTING SYSTEM (LFRS)

TABLE 6: STEEL SEISMIC FORCE RESISTING SYSTEM (SFRS)	TASK	DOC
√ 1. VISUAL INSPECTION TASKS PRIOR TO WELDING		
A. MATERIAL IDENTIFICATION (TYPE/GRADE)	√O	
B. WELDER IDENTIFICATION SYSTEM	√O	
C. FIT-UP OF GROOVE WELDS (INCLUDING JOINT GEOMETRY)		
I. JOINT PREPARATION		
II. DIMENSIONS (ALIGNMENT, ROOT OPENING, ROOT FACE, BEVEL)		
III. CLEANLINESS (CONDITION OF STEEL SURFACES)	√O	
IV. TACKING (TACK WELD QUALITY AND LOCATION)		
V. BACKING TYPE AND FIT (IF APPLICABLE)		
D. CONFIGURATION AND FINISH OF ACCESS HOLES	√O	
E. FIT-UP OF FILLET WELDS		
I. DIMENSIONS (ALIGNMENT, GAPS AT ROOT)		
II. CLEANLINESS (CONDITION OF STEEL SURFACES)	√O	
III. TACKING (TACK WELD QUALITY AND LOCATION)		
√ 2. VISUAL INSPECTION TASKS DURING WELDING		
A. WPS FOLLOWED		
I. SETTINGS ON WELDING EQUIPMENT		
II. TRAVEL SPEED		
III. SELECTED WELDING MATERIALS		
IV. SHIELDING GAS TYPE/FLOW RATE	√O	
V. PREHEAT APPLIED		
VI. INTERPASS TEMPERATURE MAINTAINED (MIN/MAX)		
VII. PROPER POSITION (F,V,H,OH)		
VIII. INTERMIX OF FILLER METALS AVOIDED UNLESS APPROVED		
B. USE OF QUALIFIED WELDERS	√O	
C. CONTROL AND HANDLING OF WELDING CONSUMABLES		
I. PACKAGING	√O	
II. EXPOSURE CONTROL		
D. ENVIRONMENTAL CONDITIONS		
I. WIND SPEED WITHIN LIMITS	√O	
II. PRECIPITATION AND TEMPERATURE		
E. WELDING TECHNIQUES		
I. INTERPASS AND FINAL CLEANING		
II. EACH PASS WITHIN PROFILE LIMITATIONS	√O	
III. EACH P

GENERAL NOTES

III - REVIEW OF SPECIALTY ITEMS AND PRE-ENGINEERED ELEMENTS

1. SPECIALTY ITEMS, PRE-ENGINEERED COMPONENTS, AND DESIGN / BUILD ELEMENTS ARE THOSE ITEMS WHICH ARE SPECIFIED IN THE CONSTRUCTION DOCUMENTS BUT WHICH REQUIRE DESIGN BY THE MANUFACTURER, SUPPLIER, OR INSTALLER.

2. SUBMITTAL SHALL INCLUDE:
   - CALCULATIONS, PREPARED BY A LICENSED ENGINEER LAWFULLY ELIGIBLE TO DESIGN THE ELEMENT OR COMPONENT (THE SPECIALTY ENGINEER) SEALED IN ACCORDANCE WITH STATE LAW.
   - A DIAGRAM SHOWING LOAD MAGNITUDES AND LOCATIONS, SEPARATED INTO DEAD, LIVE, WIND AND/OR SEISMIC COMPONENTS - THAT ARE APPLIED TO THE PRIMARY STRUCTURE, PREPARED BY THE SPECIALTY ENGINEER AND SEALED IN ACCORDANCE WITH STATE LAW.
   - ERECTION OR DESIGN DRAWINGS AS NECESSARY TO DESCRIBE THE SYSTEM OR COMPONENT AND ITS CONNECTION TO THE PRIMARY STRUCTURE WITH THE SPECIALTY ENGINEER'S SHOP DRAWING STAMP OR SEAL, AS IS APPROPRIATE, THE SHOP DRAWING STAMP OF THE ENGINEER, IF ANY, RESPONSIBLE FOR SPECIFYING THE ITEM, AND THE ARCHITECT'S STAMP INDICATING HIS REVIEW.

3. SUBMIT ONE (1) REPRODUCIBLE COPY, ONE (1) SET SEALED COPY FOR THE STRUCTURAL ENGINEER OF RECORD'S FILE, AND ADDITIONAL COPIES AS IS NECESSARY FOR THE BUILDING DEPARTMENT. SUBMITTAL CONTAINING EXCEPTIONS, CORRECTIONS, OR OTHER REVIEW COMMENTS ARE NOT ACCEPTABLE FOR SUBMITTAL TO THE BUILDING DEPARTMENT.

4. THE STRUCTURAL ENGINEER OF RECORD'S REVIEW IS STRICTLY LIMITED TO THE FOLLOWING DETERMINATIONS:
   - NECESSARY APPROVALS HAVE BEEN OBTAINED.
   - THE DRAWINGS AND CALCULATIONS ARE PROPERLY SEALED.
   - THE LOAD CRITERIA IS CONSISTENT WITH THE CONTRACT DOCUMENTS AND INTERNATIONAL BUILDING CODE REQUIREMENTS.
   - THE CONNECTIONS TO THE PRIMARY STRUCTURE ARE CONSISTENT WITH THE PRIMARY DESIGN.
   - THE BASE STRUCTURE IS CAPABLE OF SUPPORTING THE IMPOSED LOADS.

5. THE STRUCTURAL ENGINEER OF RECORD WILL RELY UPON THE SPECIALTY ENGINEER'S SEAL AS CERTIFICATION THAT THE ITEMS DESIGNED BY THE SPECIALTY ENGINEER CONFORM TO THE CRITERIA SET FORTH IN THE CONTRACT DOCUMENTS AND APPLICABLE CODES AND STANDARDS INCORPORATED THEREIN BY REFERENCE.

6. IF THE LOADS IMPOSED ON THE STRUCTURE EXCEED THE LOAD ALLOWANCE PROVIDED BY THE STRUCTURAL ENGINEER OF RECORD THE SUBMITTAL WILL BE REJECTED. ONLY AT THE CLIENT'S WRITTEN DIRECTION WILL MODIFICATIONS TO THE BASE STRUCTURE TO ACCOMMODATE THE SPECIALTY ITEMS BE MADE BY THE ENGINEER OF RECORD.

IV - FOUNDATION

1. FOUNDATION DESIGN IS BASED ON THE GEOTECHNICAL REPORT PREPARED BY:
   COMPANY: CITY OF LOS ANGELES - GEOTECHNICAL ENGINEERING GROUP
   ADDRESS: 1149 SOUTH BROADWAY, LOS ANGELES, CA 90015
   REPORT NO: 15-002 (WO# E1907694)
   REPORT DATE: MAY 27, 2015
   COPIES ARE AVAILABLE FOR REVIEW AT THE ARCHITECT'S OFFICE.

2. FOOTINGS ARE DESIGNED BASED ON AN ALLOWABLE SOIL BEARING PRESSURE OF 1000 PSF. THE ALLOWABLE BEARING MAY BE INCREASED BY ONE THIRD FOR WIND OR SEISMIC LOADING. (WHERE APPLICABLE; SEE GEOTECH REPORT)

3. PASSIVE EARTH PRESSURE OF 250 PSF FOR APPROVED COMPETENT EARTH MATERIAL. PASSIVE EARTH PRESSURE MAY BE INCREASED BY ONE-THIRD FOR WIND OR SEISMIC LOADING.

4. ACTIVE SOIL PRESSURE IS 40 PSF FOR FREE CANTILEVER RETAINING WALL. USE 60 PSF FOR RESTRAINED RETAINING WALL.

5. FRICTION COEFFICIENT OF 0.35 FOR CONCRETE AND SOIL INTERFACE.

6. ALL EARTHWORK, SOIL PREPARATION, COMPACTION AND SUB-GRADE MATERIAL FOR SLAB ON GRADE AND FOUNDATION CONSTRUCTION SHALL BE DONE IN ACCORDANCE WITH THE GEOTECHNICAL REPORT.

7. CONTRACTOR SHALL PROVIDE FOR PROPER DEWATERING OF EXCAVATIONS FROM SURFACE WATER, GROUND WATER, SEEPAGE.

8. CONTRACTOR SHALL PROVIDE FOR THE DESIGN AND INSTALLATION OF ALL CRIBBING, SHEATHING AND SHORING REQUIRED TO SAFELY AND ADEQUATELY RETAIN THE EARTH BANKS AND ANY EXISTING STRUCTURE.

9. EXCAVATIONS FOR FOOTINGS SHALL BE APPROVED BY THE GEOTECHNICAL ENGINEER PRIOR TO PLACING THE CONCRETE AND REINFORCING. THE CONTRACTOR SHALL NOTIFY THE GEOTECHNICAL ENGINEER WHEN THE EXCAVATIONS ARE READY FOR INSPECTION. THE GEOTECHNICAL ENGINEER SHALL SUBMIT A LETTER OF COMPLIANCE TO THE OWNER.

10. ALL EXCAVATIONS SHALL BE PROPERLY BACKFILLED. DO NOT PLACE BACK FILL BEHIND RETAINING WALLS BEFORE CONCRETE OR MASONRY HAS ATTAINED FULL DESIGN STRENGTH. CONTRACTOR SHALL BRACE OR PROTECT ALL BUILDING AND PIT WALLS BELOW GRADE FROM LATERAL LOADS UNTIL ATTACHING FLOORS ARE COMPLETELY IN PLACE AND HAVE ATTAINED FULL DESIGN STRENGTH. CONTRACTOR SHALL PROVIDE FOR DESIGN, PERMITS AND INSTALLATION OF SUCH BRACING AND PROTECTION.

11. FOOTINGS SHALL BE PLACED AND ESTIMATED ACCORDING TO DEPTHS SHOWN ON THE DRAWINGS. SHOULD SOIL ENCOUNTERED AT THESE DEPTHS NOT BE APPROVED BY THE GEOTECHNICAL ENGINEER, FOOTING ELEVATIONS OR FOOTING DESIGNS WILL BE ALTERED BY CHANGE ORDER.

12. FOOTING BACKFILLED AND UTILITY TRENCH BACKFILLED WITHIN THE BUILDING PERIMETER SHALL BE MECHANICALLY COMPACTED IN LAYERS, TO THE APPROVAL OF THE GEOTECHNICAL ENGINEER. FLOODING WILL NOT BE PERMITTED.

13. ALL ABANDONED FOOTINGS, UTILITIES, ETC, THAT INTERFERE WITH THE NEW CONSTRUCTION SHALL BE REMOVED.

14. CONTRACTOR SHALL INVESTIGATE SITE DURING CLEARING AND EARTHWORK OPERATIONS FOR FILLED EXCAVATIONS OR BURIED STRUCTURES SUCH AS CESSPOOLS, CISTERNS, FOUNDATIONS, ETC. IF ANY SUCH STRUCTURES ARE FOUND, THE STRUCTURAL ENGINEER SHALL BE NOTIFIED IMMEDIATELY.

V - REINFORCING STEEL (FOR CONCRETE AND MASONRY)

1. ALL REINFORCING STEEL SHALL BE DETAILED AND PLACED IN CONFORMANCE WITH THE 'BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE' (ACI 318) AND THE 'MANUAL OF STANDARD PRACTICE FOR REINFORCED CONCRETE CONSTRUCTION' BY CRSI AND WCRSI, AS MODIFIED BY THE PROJECT DRAWINGS AND SPECIFICATIONS.

2. DEFORMED REINFORCING BARS ABOVE GRADE SHALL CONFORM TO THE REQUIREMENTS OF ASTM A615 GRADE 60, UNLESS NOTED OTHERWISE.
   DEFORMED REINFORCING BARS FOR ALL FOUNDATIONS SHALL CONFORM TO THE REQUIREMENTS OF ASTM A706 GRADE 60.

3. FOR A615 REINFORCEMENT:
   - THE ACTUAL YIELD STRENGTH BASED ON MILL TESTS SHALL NOT EXCEED THE SPECIFIED YIELD STRENGTH BY MORE THAN 18000 PSI (RETESTS SHALL NOT EXCEED THIS VALUE BY MORE THAN AN ADDITIONAL 3000 PSI) AND
   - THE RATIO OF THE ACTUAL ULTIMATE TENSILE STRESS TO THE ACTUAL YIELD STRENGTH IS NOT LESS THAN 1.25.

4. WELDING OF REINFORCING SHALL BE WITH LOW HYDROGEN ELECTRODES IN CONFORMANCE WITH 'RECOMMENDED PRACTICES FOR WELDING REINFORCING STEEL, ETC.', AMERICAN WELDING SOCIETY, AWS D1.4.

5. ALL REINFORCING BAR BENDS SHALL BE MADE COLD.

6. WELDED WIRE FABRIC SHALL CONFORM TO ASTM A185.

7. MINIMUM LAP OF WELDED WIRE FABRIC SHALL BE 6 INCHES OR ONE FULL MESH AND ONE HALF, WHICH EVER IS GREATER.

8. DOWELS BETWEEN FOOTINGS AND WALLS OR COLUMNS SHALL BE THE SAME GRADE, SIZE, SPACING AND NUMBER AS THE SPECIFIED VERTICAL REINFORCING, UON.

9. ALL BARS SHALL BE MARKED SO THEIR IDENTIFICATION CAN BE MADE WHEN THE FINAL IN-PLACE INSPECTION OCCURS.

10. SUBMIT SHOP DRAWINGS OF REINFORCING STEEL FOR INFORMATION ONLY. ANY PROPOSED CHANGES TO REINFORCING STEEL, SUCH AS SIZE, LOCATION AND SPACING DIFFERENT FROM THAT SHOWN ON THE CONTRACT DOCUMENTS SHALL BE BROUGHT TO THE STRUCTURAL ENGINEER'S ATTENTION THROUGH THE RFI PROCESS AND APPROVED PRIOR TO CONSTRUCTION. THE REBAR SHOP DRAWINGS SHALL NOT REPLACE DESIGN DOCUMENTS FOR CONSTRUCTION OR FIELD INSPECTIONS.

VI - CONCRETE

1. ALL PHASES OF WORK PERTAINING TO THE CONCRETE CONSTRUCTION SHALL CONFORM TO THE 'BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE', ACI 318, AND THE 'SPECIFICATIONS FOR STRUCTURAL CONCRETE FOR BUILDINGS', ACI 301, LATEST EDITIONS, WITH MODIFICATIONS AS NOTED ON THE DESIGN DRAWINGS OR SPECIFICATIONS.

2. CONCRETE MIXES SHALL BE DESIGNED BY A QUALIFIED TESTING LABORATORY AND SHALL BEAR THE WET SEAL OF A CIVIL ENGINEER LICENSED IN THE STATE OF THE PROJECT FOR REVIEW BY THE STRUCTURAL ENGINEER. THE MIX DESIGNS SHALL STATE THE PROJECT NAME AND THE INTENDED USAGE OF THE CONCRETE.

3. MODULUS OF ELASTICITY OF CONCRETE, WHEN TESTED IN ACCORDANCE WITH ASTM C-460 SHALL BE AT LEAST THE VALUE GIVEN BY THE EQUATIONS IN SECTION 8.5.1 OF ACI 318 FOR THE SPECIFIED 28-DAY STRENGTH.

4. SCHEDULE OF STRUCTURAL CONCRETE 28-DAY STRENGTHS AND TYPES:

LOCATIONS IN STRUCTURE	STRENGTH (PSI)	TYPE
• STRUCTURAL SLAB ON GRADE	5000	HARD ROCK
• FOUNDATIONS	5000	HARD ROCK
• GRADE BEAMS	5000	HARD ROCK
• PILE CAPS	5000	HARD ROCK
• RETAINING WALLS	5000	HARD ROCK
• OVER MTL DECK	4000	LIGHT-WEIGHT
• TOPPING SLAB	4000	LIGHT-WEIGHT

5. PORTLAND CEMENT SHALL CONFORM TO ASTM C150, TYPE I OR II. CONCRETE EXPOSED TO SOILS CONTAINING SULFATES SHALL COMPLY WITH IBC SECTION 1904.3.

6. CONCRETE MIXES MAY CONTAIN FLY ASH. THE FLY ASH SHALL CONFORM TO ASTM C618 CLASS F AND THE LOSS OF IGNITION SHALL BE LIMITED TO 2%. THE WEIGHT OF FLY ASH SHALL NOT EXCEED 15% OF THE CEMENT WEIGHT. THE CONTRACTOR SHALL SUBMIT ALL CERTIFICATES SHOWING THE FLY ASH CONFORMS TO THE ABOVE CRITERIA.

7. CONCRETE MIXING OPERATIONS, ETC, SHALL CONFORM TO ASTM C-94.

8. AGGREGATE FOR HARD ROCK CONCRETE SHALL CONFORM TO ALL REQUIREMENTS AND TESTS OF ASTM C33 AND PROJECT SPECIFICATIONS. EXCEPTIONS MAY BE USED ONLY WITH PERMISSION OF THE STRUCTURAL ENGINEER.

9. AGGREGATE FOR LIGHTWEIGHT CONCRETE SHALL CONFORM TO ASTM C330 AND PROJECT SPECIFICATIONS. LIGHTWEIGHT CONCRETE MIX DESIGN SHALL BE TESTED, PRIOR TO APPROVAL, FOR SHRINKAGE IN ACCORDANCE WITH ASTM C157. SHRINKAGE SHALL NOT EXCEED 0.0005 INCHES/INCH.

10. FORMS FOR CONCRETE SHALL BE LAID OUT AND CONSTRUCTED TO PROVIDE THE SPECIFIED CAMBERS SHOWN ON THE DRAWINGS.

11. DRY PACK OR GROUT UNDER BASEPLATES, SILL PLATES, ETC., SHALL BE 8000 PSI MINIMUM AT 28 DAYS.

12. PLACEMENT OF CONCRETE SHALL CONFORM TO ACI STANDARD 304 AND PROJECT SPECIFICATIONS. SANDBLAST ALL CONCRETE SURFACES AGAINST WHICH CONCRETE IS TO BE PLACED.

13. IF COLUMNS AND WALLS ARE PLACED WITH A FLOOR, TWO HOURS MUST ELAPSE BETWEEN END OF COLUMN OR WALL POUR AND BEGINNING OF THE FLOOR POUR.

14. MACROSYNTHETIC FIBERS SHALL CONFORM TO ASTM D7508.

15. REINFORCING STEEL SHALL HAVE A MINIMUM CLEAR COVER AS FOLLOWS, UON IN DRAWINGS:
   - CONCRETE POURED AGAINST EARTH.....3"
   - CONCRETE EXPOSED TO EARTH OR WEATHER:
     #5 OR SMALLER.....1½"
     #6 OR LARGER.....2"
   - CONCRETE NOT EXPOSED TO WEATHER OR IN CONTACT WITH GROUND:
     COLUMNS (TIES AND MAIN REINFORCING).....1½"
     BEAMS (STIRRUPS AND MAIN REINFORCING).....1½"
     SLABS, WALLS, JOISTS #11 OR SMALLER.....¾"
     SLABS, WALLS, JOISTS #14 OR #18 BARS.....1½"

   CLEAR COVER SHALL BE CLEARLY SHOWN ON ALL REBAR SHOP DRAWINGS.

16. ALL REINFORCEMENT, ANCHOR BOLTS AND OTHER CONCRETE INSERTS SHALL BE SECURELY HELD IN POSITION WHILE PLACING CONCRETE. IF NECESSARY, ADDITIONAL BARS SHALL BE PROVIDED BY THE CONTRACTOR TO FURNISH SUPPORT.

17. THE CONTRACTOR SHALL VERIFY THE DIMENSIONS AND LOCATIONS OF ALL OPENINGS, PIPE SLEEVES, ETC AS REQUIRED BY ALL TRADES, BEFORE THE CONCRETE IS POURED. THE CONTRACTOR SHALL CONSULT THE ARCHITECTURAL, MECHANICAL, AND ELECTRICAL DRAWINGS, AS WELL AS THE STRUCTURAL DRAWINGS FOR THE LOCATION, NUMBER, AND SIZE OF ALL OPENINGS, SLEEVES, ETC. HOWEVER, OPENINGS NOT SHOWN ON THE STRUCTURAL DRAWINGS SHALL BE INSTALLED ONLY AFTER APPROVAL BY THE STRUCTURAL ENGINEER IS OBTAINED. DO NOT CUT ANY REINFORCING WHICH MAY CONFLICT.

18. CONDUIT OR PIPE SIZE (OD) SHALL NOT EXCEED 30% OF THE SLAB THICKNESS AND SHALL BE PLACED BETWEEN THE TOP AND BOTTOM REINFORCING UNLESS SPECIFICALLY DETAILED OTHERWISE. CONCENTRATIONS OF CONDUITS OR PIPES SHALL BE AVOIDED EXCEPT WHERE DETAILED OPENINGS ARE PROVIDED.

19. LOCATION OF ALL CONSTRUCTION JOINTS NOT SHOWN ON DRAWINGS SHALL BE SUBMITTED TO ENGINEER FOR APPROVAL PRIOR TO DETAILING OF REINFORCING. ALL CONSTRUCTION JOINTS TO BE CLEARLY SHOWN IN REBAR DETAIL DRAWINGS. ENGINEER MAY REQUIRE ADDITIONAL REINFORCING AT CONSTRUCTION JOINTS.

20. CONCRETE COLUMN LENGTH ADJUSTMENT FOR ELASTIC SHORTENING, SHRINKAGE AND CREEP EFFECTS SHALL BE TAKEN INTO CONSIDERATION.

VIII - MASONRY

1. STRUCTURAL CONCRETE MASONRY, AS SHOWN ON THESE DRAWINGS, SHALL HAVE A COMPRESSIVE STRENGTH (F'M) OF 2000 PSI.

2. MASONRY UNITS SHALL CONFORM TO ASTM C90, TYPE II, NORMAL WEIGHT, HOLLOW UNLESS SPECIFICALLY NOTED OTHERWISE ON THESE DRAWINGS, WITH A UNIT STRENGTH AS REQUIRED TO ACHIEVE COMPRESSIVE STRENGTH SPECIFIED ABOVE.

3. CMU REINFORCING STEEL SHALL BE DEFORMED BARS CONFORMING TO ASTM A615, GRADE 60, UNLESS NOTED OTHERWISE. SEE NOTES UNDER "REINFORCING STEEL (FOR CONCRETE AND MASONRY)" FOR REQUIREMENTS.

4. MORTAR MIX SHALL CONFORM TO REQUIREMENTS FOR CBC TABLE 2103.9(1), TYPE S, AND PROJECT SPECIFICATIONS. MORTAR SHALL ATTAIN A MINIMUM COMPRESSIVE STRENGTH OF 1800 PSI AT 28 DAYS.

5. GROUT SHALL CONFORM TO REQUIREMENTS OF SECTION 2103 OF CBC FOR COARSE GROUT. USE SUFFICIENT WATER FOR GROUT TO FLOW INTO ALL JOINTS OF THE MASONRY WITHOUT SEGREGATION. GROUT SHALL ATTAIN A MINIMUM COMPRESSIVE STRENGTH OF 2000 PSI AT 28 DAYS. FLY ASH WILL NOT BE PERMITTED IN GROUT.

6. GROUT AND MORTAR MIXES SHALL BE DESIGNED BY A QUALIFIED TESTING LABORATORY AND SHALL BEAR THE WET SEAL OF A CIVIL ENGINEER LICENSED IN THE STATE OF THE PROJECT AND SHALL BE SUBMITTED FOR REVIEW BY THE STRUCTURAL ENGINEER. THE MIX DESIGNS SHALL STATE THE PROJECT NAME AND LOCATION OF USAGE.

7. PROVIDE A MINIMUM OF ½ INCH GROUT BETWEEN MAIN REINFORCING AND MASONRY UNITS.

8. FOR GROUT LIFT CONSTRUCTION REFER TO CBC SECTION 2104.

9. ALL CELLS IN CONCRETE BLOCKS SHALL BE FILLED SOLID WITH GROUT, UNLESS NOTED OTHERWISE IN THE DRAWINGS OR SPECIFICATIONS.

10. CELLS SHALL BE IN VERTICAL ALIGNMENT. DOWELS IN FOOTINGS SHALL BE SET TO ALIGN WITH CORES CONTAINING REINFORCING STEEL.

11. REFER TO ARCHITECTURAL DRAWINGS FOR SURFACE AND HEIGHT OF UNITS, LAYING PATTERN AND JOINT TYPE.

12. MECHANICAL PIPES AND ELECTRICAL CONDUITS WHICH PASS THROUGH MASONRY WALLS DO NOT REQUIRE SLEEVES, UNLESS OTHERWISE INDICATED IN THE PROJECT SPECIFICATIONS, MECHANICAL OR ELECTRICAL DRAWINGS. IF SLEEVES ARE REQUIRED, INSTALL SLEEVES BEFORE GROUTING. DO NOT CUT ANY REINFORCING WHICH MAY INTERFERE WITH SLEEVE PLACEMENT. CORING OPENINGS IN GROUTED MASONRY IS NOT PERMITTED. NOTIFY THE STRUCTURAL ENGINEER IN ADVANCE OF CONDITIONS NOT SHOWN ON THE STRUCTURAL DRAWINGS. NO PIPES OR ELECTRICAL CONDUIT SHALL PASS THROUGH MASONRY LINTELS UNLESS SPECIFICALLY DETAILED.

VII - STRUCTURAL STEEL

1. STRUCTURAL STEEL SHALL BE DETAILED, FABRICATED AND ERECTED IN ACCORDANCE WITH THE AISC 'SPECIFICATION FOR STRUCTURAL STEEL BUILDINGS' (LATEST EDITION AND SUPPLEMENTS).

2. STRUCTURAL STEEL SHALL CONFORM TO THE ASTM DESIGNATION A992, GR50, EXCEPT ANGLES, PLATES AND BARS WHICH SHALL CONFORM TO ASTM DESIGNATION A36, UNLESS NOTED OTHERWISE.

3. PIPE COLUMNS SHALL CONFORM TO ASTM DESIGNATION A53 GRADE 'B'. ALL STEEL TUBES SHALL CONFORM TO ASTM A500 GRADE 'B' COLD FORMED TUBES WITH Fy = 46 KSI.

4. THE STRUCTURAL STEEL FABRICATOR SHALL FURNISH SHOP DRAWINGS OF ALL STRUCTURAL STEEL, FOR ARCHITECT'S AND ENGINEER'S REVIEW BEFORE FABRICATION.

5. BOLTED CONNECTIONS:
   - ALL BOLTS SHALL CONFORM TO ASTM A325 OR A490, UNLESS NOTED OTHERWISE. NUTS SHALL CONFORM TO ASTM A563 AND WASHERS SHALL CONFORM TO ASTM F436
   - MINIMUM BOLTED CONNECTIONS SHALL BE MADE WITH (2) ¾" DIA A325N BOLTS.
   - BOLT HOLES IN STEEL SHALL BE 1/16 INCH LARGER THAN NOMINAL SIZE OF BOLT USED, EXCEPT ANCHOR BOLT HOLES.
   - ANCHOR RODS SHALL CONFORM TO ASTM A307 GRADE A. SUBMIT GRADE CERTIFICATIONS FOR RECORD. STEEL SUPPLIER SHALL PROVIDE RIGID STEEL TEMPLATES FOR ANCHOR ROD INSTALLATION.
   - EXCEPT AS SUBSEQUENTLY NOTED, HIGH STRENGTH BOLTS NEED NOT BE TIGHTENED BEYOND THE SNUG-TIGHT CONDITION, AS DEFINED IN SECTION 8.1 OF "THE SPECIFICATIONS FOR STRUCTURAL JOINTS, USING ASTM A325 OR A490 BOLTS". FOR CONNECTIONS SUBJECT TO DIRECT TENSION, CONNECTIONS FOR BRACED FRAMES, AND OTHER CONNECTIONS SHOWN OR NOTED ON THE PLANS AS SC (SLIP CRITICAL) OR FULLY TENSIONED, BOLTS SHALL BE TIGHTENED BY ONE OF THE METHODS DESCRIBED IN SECTION 8.2 AND TO THE MINIMUM TENSILIZED SPECIFIED IN TABLE 8.1.

6. ANCHOR STUDS, SHEAR STUDS, AND DEFORMED ANCHORS:
   - SHALL BE MANUFACTURED BY NELSON STUD WELDING CO OR EQUAL.
   - HEADED STUDS (SHEAR AND ANCHOR) SHALL BE MADE OF MATERIAL CONFORMING TO ASTM A108.
   - DEFORMED ANCHORS SHALL BE MADE OF MATERIAL CONFORMING TO ASTM A496.
   - STUDS AND ANCHORS SHALL BE WELDED ACCORDING TO MANUFACTURER'S RECOMMENDATIONS. MANUAL ARC (STICK) WELDING OF HEADED STUDS AND/OR DEFORMED ANCHORS IS NOT ALLOWED: PARAGRAPHS 7.5.5 TO 7.5.5.6 INCLUSIVE, OF THE AWS D1.1, ARE DELETED.

7. WELDED CONNECTIONS:
   - ALL WELDS SHALL BE IN ACCORDANCE TO THE WELDING PROCEDURE SPECIFICATION REQUIRED BY AWS D1.1-98. ELECTRODES SHALL HAVE A MINIMUM TENSILE STRENGTH OF 70 KSI.
   - ALL COMPLETE JOINT PENETRATION (CJP) GROOVE WELDS SHALL BE MADE USING A FILLER METAL THAT HAS A MINIMUM CVN TOUGHNESS OF 20 FT-LBS AT -20 DEGREES FAHRENHEIT. FULL ULTRASONIC INSPECTION SHALL BE PROVIDED ON ALL CJP WELDS CONTAINED IN JOINTS AND SPLICES
   - WELD LENGTHS CALLED FOR ON PLANS ARE THE NET EFFECTIVE LENGTH REQUIRED. WELD SIZE SHALL BE AISC MINIMUM UNLESS A LARGER SIZE IS NOTED.
   - UNLESS OTHERWISE SHOWN ON DRAWINGS, SIZE OF WELDS SHALL NOT BE SMALLER THAN ¼".
   - REMOVE WELD BACK UP BARS AND GRIND SMOOTH AFTER WELD IS COMPLETED, UON.
   - WELDING TESTS AND INSPECTIONS SEE SPECIFICATIONS

8. STRUCTURAL STEEL SURFACES THAT ARE NOT EXPOSED TO WEATHER SHALL BE HOT DIPPED GALVANIZED AFTER FABRICATION. AND SHALL BE COORDINATED WITH THE ARCHITECTURAL PLANS.

9. ALL STRUCTURAL STEEL AND MISCELLANEOUS METAL EXPOSED TO WEATHER SHALL BE HOT DIPPED GALVANIZED AFTER FABRICATION. AND SHALL BE COORDINATED WITH THE ARCHITECTURAL PLANS.

10. REFER TO ARCHITECTURAL DRAWINGS FOR FULL FIRE PROTECTION SPECIFICATIONS AND DETAILS.

11. FABRICATION AND ERECTION CONSIDERATIONS - THE FOLLOWING ITEMS WILL BE DEFINED AT A PRE-DETAILING CONFERENCE WITH THE STEEL CONTRACTOR:
   - STEEL COLUMN LENGTH ADJUSTMENT FOR ELASTIC SHORTENING EFFECTS.
   - STEEL TRUSS CAMBERING.
   - ELEMENTS AFFECTED BY STEEL ERECTION PROCEDURE, SUCH AS MEMBER SIZES, CONNECTIONS, SPLICES, BASE PLATES, ANCHOR BOLTS, ROCK ANCHORS, ETC.
   - ERECTION PROCEDURES AND SEQUENCES WITH REGARD TO TEMPERATURE EFFECTS.

12. THE CONTRACTOR SHALL PROVIDE, AT NO ADDITIONAL COST, ALL ADDITIONAL STEEL, SHORING, CONNECTIONS, GUYING, ETC REQUIRED FOR ERECTION.

13. MEMBERS MAY ONLY BE SPLICED WHERE SPECIFICALLY DETAILED ON ACCEPTED SHOP DRAWINGS.

14. FIELD CUTTING OF STRUCTURAL STEEL IS NOT PERMITTED EXCEPT WITH THE PRIOR APPROVAL OF THE ENGINEER.

IX - POST-INSTALLED ANCHORS

01. POST-INSTALLED ANCHORS INTO NORMAL WEIGHT (HARD ROCK) OR LIGHTWEIGHT CAST-IN-PLACE CONCRETE SHALL BE AS FOLLOWS:
   A. KWIK BOLT TZ (KB-TZ) EXPANSION ANCHORS (ICC-ES ESR-1917/LARR 25701) AS MANUFACTURED BY HILTI, INC.
   B. HIT-HY 200-A ADHESIVE ANCHORS (ICC-ES ESR-3187/LARR 25964) AS MANUFACTURED BY HILTI, INC.
   C. HIT-RE 500 V3 ADHESIVE ANCHORS (ICC-ES ESR-3814/LARR 26028) AS MANUFACTURED BY HILTI, INC.

02. POST-INSTALLED ANCHORS INTO NORMAL WEIGHT (HARD ROCK) OR LIGHTWEIGHT CAST-ON-METAL DECK CONCRETE SHALL BE AS FOLLOWS:
   A. ON UNDERSIDE OF DECK: KWIK BOLT TZ (KB-TZ) EXPANSION ANCHORS (ICC-ES ESR-1917/LARR 25701) AS MANUFACTURED BY HILTI, INC.
   B. ON TOP-SIDE OF DECK HAVING A MINIMUM CONCRETE THICKNESS OF 3-1/4 INCH OVER TOP OF DECK: KWIK BOLT TZ (KB-TZ) EXPANSION ANCHORS (ICC-ES ESR-1917/LARR 25701) AS MANUFACTURED BY HILTI, INC.

03. POST-INSTALLED ANCHORS INTO FULLY-GROUTED (SOLID) CONCRETE MASONRY UNITS (CMU) SHALL BE AS FOLLOWS:
   A. KWIK BOLT 3 (KB3) EXPANSION ANCHORS (ICC-ES ESR-1385/LARR 25577) AS MANUFACTURED BY HILTI, INC.
   B. HIT-HY 150 MAX ADHESIVE ANCHORS (ICC-ES ESR-1967/LARR 25652) AS MANUFACTURED BY HILTI, INC.
   C. HIT-HY 70 MAX ADHESIVE ANCHORS (ICC-ES ESR-2682/LARR 25980) AS MANUFACTURED BY HILTI, INC.

04. POST-INSTALLED ANCHORS OF EQUAL QUALITY AND WITH CURRENT ICC-ES/IAPMO-ES/LARR REPORT MAY BE SUBSTITUTED IF APPROVED BY THE ARCHITECT/STRUCTURAL ENGINEER.

05. POST-INSTALLED ANCHORS INSTALLED IN EXTERIOR EXPOSURE OR DAMP ENVIRONMENT SHALL BE STAINLESS STEEL.

06. DOWELS ANCHORED IN CONCRETE, CONCRETE MASONRY UNITS (GROUTED OR HOLLOW), OR BRICK SHALL BE AS FOLLOWS.
   DOWELS INSTALLED IN EXTERIOR EXPOSURE OR DAMP ENVIRONMENT SHALL BE STAINLESS STEEL. LENGTHS SHALL BE AS INDICATED ON DRAWINGS.
   A. DEFORMED REINFORCING BARS: ASTM A615, GRADE 60; OR ASTM A706.
   B. CARBON STEEL THREADED RODS: ASTM A36.
   C. STAINLESS STEEL THREADED RODS: ASTM F593, ALLOY GROUP I, TYPE 304, CONDITION CW.

07. INSTALL POST-INSTALLED ANCHORS IN STRICT ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS. REINFORCING STEEL DOWELS, THREADED RODS, AND ANCHORS SHALL BE FREE OF DUST, GREASE, OIL, RUST AND OTHER LAITANCE THAT WILL IMPAIR BOND WITH CONCRETE.

08. USE ONLY NON-REBAR CUTTING DRILL BITS TO DRILL HOLES IN CONCRETE AND CONCRETE MASONRY UNITS. DRILL HOLES IN UNREINFORCED BRICK WITH A NON-IMPACT ROTARY DRILL.

09. EXISTING REINFORCING STEEL SHALL BE POSITIVELY LOCATED BY NON-DESTRUCTIVE MEANS PRIOR TO DRILLING HOLES. DO NOT CUT OR DAMAGE EXISTING REINFORCING STEEL UNLESS APPROVED BY THE ARCHITECT/STRUCTURAL ENGINEER.

10. CONFIRM FINAL ANCHOR LOCATIONS PRIOR TO FABRICATING PLATES, MEMBERS, OR OTHER STEEL ASSEMBLIES ATTACHED WITH ADHESIVE ANCHORS.

11. IF REINFORCEMENT IS ENCOUNTERED DURING DRILLING, ABANDON AND SHIFT THE HOLE LOCATION TO AVOID THE REINFORCEMENT. PROVIDE A MINIMUM OF 2 ANCHOR DIAMETERS OR 1 INCH, WHICHEVER IS LARGER, OF SOUND CONCRETE BETWEEN THE DOWEL AND THE ABANDONED HOLE. IF THE ANCHOR OR DOWEL MAY NOT BE SHIFTED AS NOTED ABOVE, THE ENGINEER WILL DETERMINE A NEW LOCATION.

12. WHERE EXISTING CONCRETE IS DAMAGED AND/OR DRILLED HOLES ABANDONED, THE DAMAGED CONCRETE OR ABANDONED HOLES SHALL BE REPAIRED OR FILLED WITH NON-SHRINK GROUT, RESPECTIVELY. BRING EACH CONDITION TO THE ATTENTION OF THE ARCHITECT/STRUCTURAL ENGINEER PRIOR TO IMPLEMENTING REPAIRS.

13. DO NOT DRILL HOLES WITHIN 4 INCHES OF EXISTING ELECTRICAL OUTLETS THAT ARE EMBEDDED IN SUBSTRATE.

14. BRING TO THE ATTENTION OF THE ARCHITECT/STRUCTURAL ENGINEER ANY POST-INSTALLED ANCHOR LOCATION THAT CANNOT COMPLY WITH THE PARAMETERS STATED HEREIN AND INDICATED ON THE DRAWINGS.

15. THE SPECIAL INSPECTOR SHALL VERIFY THE ANCHOR TYPE, ANCHOR DIMENSIONS, CONCRETE TYPE, CONCRETE COMPRESSIVE STRENGTH, HOLE DIMENSIONS, ANCHOR SPACING, EDGE DISTANCES, SLAB THICKNESS, ANCHOR EMBEDMENT, AND TIGHTENING TORQUE.

X - METAL DECK

1. THE METAL DECK SHALL BE OF THE TYPE AND GAUGE AS CALLED FOR ON DRAWINGS. DECK AND ALL ACCESSORIES SHALL BE FORMED FROM STEEL SHEETS CONFORMING TO ASTM STANDARDS AS SHOWN BELOW WITH A MINIMUM YIELD STRENGTH OF 38 KSI. GALVANIZED DECK SHALL BE ZINC COATED PER ASTM A924, G60. (USE G90 FOR DECK EXPOSED TO WEATHER) ALL ROOF DECK SHALL BE GALVANIZED.
   - GALVANIZED DECK ASTM A653
   - PAINTED DECK ASTM A611

2. MINIMUM BEARING OF METAL DECK ON SUPPORTS SHALL BE 2". ALL 3" DEEP METAL DECK SHALL HAVE MINIMUM BEARING OF 3". SHEETS SHALL BE ATTACHED TO ALL SUPPORTING STEEL MEMBERS BY WELDING AS INDICATED ON DRAWINGS AND IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS. UPON COMPLETION OF ERECTION, ALL WELDS ON METAL DECK AREAS EXPOSED TO WEATHER SHALL BE DE-SLAGGED, CLEANED AND TOUCHED-UP WITH A ZINC RICH PRIMER.

3. SEE ARCHITECTURAL, MECHANICAL, ELECTRICAL, ETC, FOR SIZES AND LOCATIONS OF DECK OPENINGS NOT SHOWN ON THE STRUCTURAL DRAWINGS. SEE TYPICAL DETAILS FOR FRAMING REQUIREMENTS AT DECK OPENINGS.

4. HANGERS SUPPORTED BY METAL DECKING ONLY OR METAL DECKING WITH INSULATED FILL SHALL BE ATTACHED TO STEEL BARS, ¾" ROUND x 12" OR ¾" x1½" x 12" FLAT, PLACED PARALLEL TO FLUTES. ONLY LIGHT DUCTWORK (12"x16" MAX.), PIPING (1½" ROUND PIPING MAX.) OR

STANDARD QUALITY ASSURANCE PLAN

I. PURPOSE

The Standard Quality Assurance Plan (hereinafter referred to as "Standard QA Plan") for steel moment frames provides specifications, procedures, and illustrative details to comply with the requirements of the 2002 Los Angeles Building Code. The quality assurance requirements described in this Standard QA Plan are intended to promote public safety and welfare by standardizing inspections, tests, and all other applicable measures that ensure substantial compliance with the code performance objectives of steel moment frame connections.

II. HOW TO USE THIS STANDARD QA PLAN

To use the Standard QA Plan, follow the steps outlined below:

1. *Standard QA Plan shall be attached to or incorporated in the structural plan.*
2. *Where the Standard QA Plan is attached to the structural plan, the Engineer of Record shall:*
   a. *Identify the type of steel moment frame to be used in the building or structure by placing an "X" mark in the box below:*
      - ☐ *SPECIAL MOMENT FRAME (SMF)*
      - ☐ *INTERMEDIATE MOMENT FRAME (IMF)*
      - ☐ *ORDINARY MOMENT FRAME (OMF)*
   b. *Place a NOTE on the structural plan stating "All specifications, tables, and notes in the City of Los Angeles' Standard Quality Assurance Plan for Steel Moment Frames shall be part of this approved structural plan."*
   c. *Sign and stamp the Standard QA Plan in the box provided at the lower right corner of each sheet.*
3. *Where the Standard QA Plan is incorporated directly in the structural plan, the Engineer of Record shall place a NOTE on the structural plan to clearly indicate the type of steel moment frame to be used in the building or structure.*
4. *All of the quality assurance requirements listed in the Standard QA Plan shall be applied to special moment frames, intermediate moment frames, and ordinary moment frames, unless noted otherwise herein.*
5. *Organize and submit all reports required in Table 1 on Sheet 2 to the City Building Inspector in a timely manner for review and approval.*
6. *The procedures, specifications and illustrative details as described in the Standard QA Plan shall not exempt the Engineer of Record from using engineering judgment in determining the suitability of applying the Standard QA Plan to any welded connections. Any deviations in the quality assurance requirement as specified in the Standard QA Plan shall comply with Part III Item 5 of the Standard QA Plan.*

III. GENERAL REQUIREMENTS

1. Referenced Documents
The design and construction of steel moment frames shall be in compliance with the following:
a. City of Los Angeles Building Code, 2002 Edition (hereinafter referred to as "LABC").
b. AISC Seismic Provisions for Structural Steel Buildings, Part I and Part III, dated May 21, 2002 (hereinafter referred to as "AISC Seismic").
c. AWS D1.1/D1.1M:2002 Structural Welding Code - Steel (hereinafter referred to as "AWS").

2. Material Specifications
a. Structural steel shall comply with UBC Standard 22-1 and the following ASTM standard specifications:
   i. Wide flange shapes.....ASTM A572 (50), A913 (50), A992
   ii. Continuity, doubler and column base plates, shear tabs....ASTM A36
   iii. Anchor bolts at column base plates.....ASTM F1554
   iv. Fabricate and erect structural steel in compliance with either the 2001 Edition of AISC "Load and Resistance Factor Design Specification for Structural Steel Buildings" (hereinafter referred to as "AISC LRFD Specification") or 1989 Edition of the AISC "Allowable Stress Design Specification for Structural Steel Buildings" (hereinafter referred to as "AISC ASD Specification").
   v. Steel having dual ASTM designation shall be clearly identified on each specific plan detail.
b. High strength bolts shall comply with the following requirements and ASTM standard specifications:
   i. High strength bolts, nuts, and washers.....ASTM A325, A490
   ii. Installed bolts in accordance with the "Specifications for Structural Joints using ASTM A325 or A490 Bolts."
   iii. Tighten bolts to a snug tight condition that is at least the minimum proper tension and verify using a calibrated tension measuring device.
   iv. Slip critical high strength bolts are required.
   v. All faying surfaces of connections with high strength fasteners shall be prepared as required for Class A per the AISC Seismic Section 7.2.
c. Filler metal properties and specifications shall be as follows:
   i. Electrodes shall be of a low-hydrogen type conforming to AWS specifications as referenced in Table 7 on Sheet 2.
   ii. Filler metals shall be classified for nominal 70 ksi tensile strength.
   iii. The maximum permitted electrode diameter shall be in accordance with Table 5 on Sheet 2.
   iv. Filler metals shall have a minimum Charpy V-Notch (CVN) toughness of 20 ft-lbf at -20°F using AWS A5 classification test methods.
   v. The use of intermixed welds shall not occur unless it can be demonstrated by testing in accordance with AWS Section 4.
   vi. The parameters established by the electrode manufacturer shall be reflected in the approved WPS.
d. Other materials not listed in UBC Standard 22-1 or LABC Chapter 35 are not permitted without specific approval from the Department.

3. Welding Processes
Structural welding shall be limited to the Shielded Metal Arc Welding or Flux Cored Arc Welding processes.

4. Base Metal Repairs or Restorations
Any repair or restoration of base metal shall comply with all of the following:
a. Engineer of Record shall review and approve the WPS for repair procedures prior to welding.
b. Ensure that repair procedures meet the requirements outlined in AWS Section 5.26 and ASTM A6/A6M-02 Section 9.2, 9.3, 9.4 and 9.5.
c. All welding shall be performed using low-hydrogen process or with SMAW using low-hydrogen electrodes.
d. Provide continuous visual inspection by the Deputy Inspector.
e. Provide non-destructive testing upon completion of the repair work.

5. Deviations From the Standard Quality Assurance Plan
Deviations from any part of the Standard QA Plan may be made provided the procedures outlined below are followed:
a. Deviations from the Standard QA Plan must be reviewed and approved by the Engineer of Record.
b. Engineer of Record shall provide alternate procedures, specifications, and/or details to justify the deviations.
c. Submit the proposed deviations from the Standard QA Plan to the Department for review and approval prior to commencement of work.
d. Supplemental testing and additional specifications may be required to justify the deviation.
e. Conformance with all applicable provisions of the LABC, AISC, and AWS is required.

IV. QUALITY ASSURANCE

1. Certification
a. Inspectors shall be LADBS Certified Deputy Inspectors per LABC Section 1701.2 and Information Bulletin P/BC 2002-035 "Regulations Regarding Registration for Deputy and Controlled Activities Inspection." Employment shall be in accordance with Information Bulletin P/BC 2002-034 "Employment and Duties of a Registered Deputy Inspector."
b. Welders shall be LADBS Certified Welders for the Structural Steel classification per LABC Section 1701.18.1, 2205.10, and Information Bulletin P/BC 2002-045 "Welder Certification Rules and Regulations."
c. Shop welds shall be performed in an LADBS Certified Fabricator's Shop per LAMC Section 96.204(g) and Information Bulletin P/BC 2002-042 "Application for Approval as Fabricator."
d. Technicians performing Non Destructive Testing (NDT) shall be certified for Level II in accordance with ASNT SNT-TC-1A 2002 Edition by a Testing Agency approved per LAMC Section 98.0503 and Information Bulletin P/BC 2002-058 "Guidelines for Recognition of Testing Agencies."

2. Pre-Construction Meeting
a. The Owner (or owner's representative) shall arrange a pre-construction meeting(s) with the Engineer of Record (or Structural Observer designated by the Engineer of Record), the Contractor (or affected Sub-Contractor), and the Deputy Inspector to discuss and review welding procedures, bolting procedures, and inspection requirements for all welding and bolting operations.
b. The City Building Inspector shall be notified of such meeting(s) and may participate at his/her discretion.
c. Meeting record(s) shall be included in the first report submitted to the City Building Inspector.

3. Structural Observation
Structural observation shall be performed in accordance with Information Bulletin P/BC 2002-024. The Structural Observer shall:
a. Perform structural observation listed in Table 6 on Sheet 2.
b. Perform structural observation prior to placement of decking, covering by fireproofing, encasement in concrete or placement of other finishes.
c. Submit observation report(s) to the City Building Inspector at each stage observed and upon completion of the structural system.
d. State in the report that the steel moment frame system substantially conforms with the approved structural plans and specifications.
e. Use the Department's Structural Observation Report Form to report all observations. Structural Observation Report Form can be obtained at www.ladbs.org, keyword "Information Bulletin P/BC 2002-024".

4. Deputy Inspection
The following are the basic Quality Assurance responsibilities of the Deputy Inspectors:
a. Arrive on the job in sufficient time to verify the permit information, check for prior inspections and/or approvals by the City Building Inspector or previous Deputy Inspectors, check the quality of all materials and become familiar with the approved structural plans and specifications.
b. Verify that structural steel delivered is from a fabricator currently licensed by the Department.
c. Identify material from an offsite fabricator in accordance with LABC Section 2203 and compare to the approved plans and specifications.
d. Verify that each steel piece is labeled with the approved fabricator's shop name and license number.
e. Visual check shop welds, joint preparation, faying surfaces, indentation stamps and color codes of high strength steel, excessive mill scale or lamination, and dimensional conformity with the approved plans.
f. Before any welding begins, inspect joint preparation, fit-up, condition of surfaces to be welded, storage and use of electrodes, current license of all welders, and voltage/amperage of welding machines.
g. Ensure that all welding and inspection activities complies with AWS.
h. Measure voltage/amperages near the arc with a hand held calibrated averaging type meter. The meter shall be calibrated not less than once a year. This equipment shall be used by the Fabricator, Erector, and Deputy Inspector.
i. During welding operation, provide continuous inspection particularly on multiple pass welds to assure that each pass has been prepared correctly, preheat and interpass temperatures are maintained and that finished welds shall be the correct size and without rejectable discontinuities.
j. Mark steel near the weldment to indicate that inspection was made.
k. Verify type and size of bolts and washers, check mill certificates, and verify faying surfaces are free of burrs, scale, rust, grease or anything that may inhibit full contact.
l. Verify connections involving high strength bolts and welds are fabricated per Part III Item 2(b) and 2(c) and erected in a sequence per Part V Item 2, unless specified otherwise by the Engineer of Record.
m. Verify high strength bolts are not welded or damaged by preheating.
n. Verify washers are always installed with all bolts, except A-490 bolts which require washers under both elements.
o. Verify that any deficiency noted in the Structural Observation Report Form has been corrected.
p. Verify that the Engineer of Record has approved the written Welding Procedure Specification (WPS) prepared by the Fabricator or Erector. The WPS shall include the following:
   i. All applicable requirements from the codes, the Standard QA Plan, and any other information necessary to produce the welds.
   ii. List the applicable base metal types and thicknesses.
   iii. List the welding joint detail, including joint type, weld type, joint geometry, and applicable dimensions. Individual weld passes shall be identified in sketches and numbered to identify the sequence of their deposition (see Detail 13 on Sheet 3 for example). The sketches shall identify the maximum layer thicknesses and bead widths. In no case shall layer thicknesses exceed 1/4 inch nor shall the maximum bead widths exceed 5/8 inch.
   iv. List the welding processes.
   v. Specify the required welding positions.
   vi. List the filler metal per AWS for electrode specification and classification (see Table 7 on Sheet 2), as well as information regarding shielding material to be used.
   vii. Indicate the minimum preheat and interpass temperatures (see Table 4 on Sheet 2) and post weld heat treatment per Part V Item 5.
   viii. List all applicable electrical characteristics for the welding process employed. WPS shall clearly indicate the specific values required for each welding pass. These electrical characteristics shall include at minimum the following:
      (1) Electrode diameter (see Table 5 on Sheet 2),
      (2) Type of current, and acceptable ranges of current measured in amperage,
      (3) Voltage,
      (4) Travel speed (range), and
      (5) Amperage, voltage and electrode extension (as applicable) shall be within the filler metal manufacturer's recommendations.
   ix. A copy of the electrode manufacturer's technical information with ID # listed shall be attached to the WPS .
q. Weld joints not conforming to AWS Chapter 3 must be tested by an approved testing agency, accepted by the Engineer of Record, and approved by the Department's Material Control Section before the weld is performed. Material Control Section can be contacted at:

   LADBS Material Control Section
   221 N. Figueroa St., Suite 1540
   Los Angeles, CA 90012
   (213) 482-0380 or 1-888-LA-4BUILD

r. Notify the Contractor, Engineer of Record, and City Building Inspector of any deviations or non-compliance with the approved WPS, plans or specifications.
s. "Deputy Inspection Report Form B-94" shall be submitted on a weekly basis to the City Building Inspector and Engineer of Record, unless determined otherwise by the City Building Inspector.
t. During the execution of the work, the Deputy Inspector shall not undertake or engage in any other task or occupation which will interfere with the proper performance of the duties of such inspection.

5. Electrode Storage and Atmospheric Exposure
a. Electrodes are considered to be exposed to the atmosphere if:
   i. the manufacturer's sealed electrode containers or packagings are opened or damaged, or
   ii. outside of baking or storage ovens.
b. Modification or lubrication of electrodes are not permitted.
c. Drying of electrodes in baking or storage ovens are permitted as recommended by the manufacturer.
d. Electrodes shall be identified to facilitate monitoring of total atmospheric exposure time.
e. Storage and atmospheric exposure of AWS A5.1-91 and A5.5-96 low-hydrogen SMAW electrodes shall be in accordance with AWS Section 5.3.2.
f. FCAW electrodes not consumed within 24 hrs of accumulated atmospheric exposure time shall not be used. Manufacturer's recommendations that show that drying effectively removes moisture and restores electrodes to their designated diffusible hydrogen levels are permitted.
g. FCAW electrode welding suspended more than 8 hrs shall be removed from the machines and stored in an electrode wire baking or storage oven maintained at a temperature between 250° and 550°F, or as recommended by the electrode manufacturer.

6. Plastic Hinging Zone Protection
a. The plastic hinging zone shall be identified diagrammatically, as illustrated in Detail 15 on Sheet 3, on the structural plans by the Engineer of Record.
b. The Engineer of Record and Contractor shall be responsible for reviewing shop drawings of ALL relevant trades to ensure compliance. This shall be discussed and documented in pre-construction meetings.
c. The Contractor shall be responsible for developing a program to ensure that all workers on the project, including their subcontractors, are aware of and understand this requirement. Failure to comply with these requirements may cause the replacement of steel.
d. Plastic hinging zones shall be defined by permanent markings such as paint or ink.
e. A note, as illustrated in Detail 15 on Sheet 3, shall be prominently placed on the structural plans (general note sheet and adjacent to moment frame detail) and the construction documents of ALL trades.
f. Welded, bolted, screwed, or shot-in (powder driven) attachments for perimeter edge angles, shear studs, exterior facades, partitions, duct work, piping, or other connections shall not be permitted within the plastic hinging zones.
g. Any penetrations or damage from temporary welded attachments within the plastic hinging zones shall be repaired as required by the Engineer of Record and comply with Part III Item 4.
h. Initially, the plastic hinging zone "Warning Sign", as illustrated in Detail 15 on Sheet 3, may be temporary. However, the temporary "Warning Sign" shall be replaced by a permanent "Warning Sign" before project completion. This sign and identification of the plastic hinging zone shall be maintained during construction; and may require repair after operations such as fireproofing.
i. Signs shall be affixed to the beam and located within the plastic hinging zone. The City Building Inspector may accept alternate methods of attaching the "Warning Sign" to the plastic hinging zones.

7. Additional Charpy V-Notch Toughness (not required for OMF)
Welds at the locations indicated below shall be made with filler metal having a CVN toughness of 20 ft-lbf at -20°F AND 40 ft-lbf at 70°F as determined by test procedure prescribed in the AISC Seismic Appendix X "Weld Metal / Welding Procedure Specification Toughness Verification Test."
a. Beam flanges to columns,
b. Single plate shear connections to columns,
c. Beam webs to columns, and
d. Column splices.

8. Non-Destructive Testing (NDT) Requirements
a. The minimum non-destructive testing at each weld joints or parts shall be conducted at the locations and frequencies as specified in Table 2 and Table 3 on Sheet 2 respectively.
b. A copy of each NDT report shall be provided to the Contractor, Engineer of Record, Deputy Inspector, and City Building Inspector with the following information:
   i. Document the accepted and rejected welds, parts, or joints.
   ii. Identify the tested weld by piece mark and location in the piece.
   iii. Identify the tested weld location in the structure.
c. NDT Technician shall perform the following tasks:
   i. Coordinate the NDT scope and schedule with the Deputy Inspector.
   ii. Perform NDT in a timely manner (so as not to hinder construction work) and to detect welding problems soon after occurrence so that corrective measures can be taken by the Contractor.
   iii. Mark the inspected and accepted welds, parts, and joints with a distingquishing mark or die stamp.
d. Reduction Rate for NDT
   i. The rate of UT testing on CJP groove welds may be reduced if approved by the Engineer of Record and the Department. The NDT rate for an individual welder or welding operator may be reduced to 25%, provided the reject rate is demonstrated to be 5 % or less of the welds tested for the welder or welding operator. A sampling of at least 40 completed welds for a job shall be made for such reduction evaluation.
   ii. The rate of MT testing on CJP groove welds may be reduced if approved by the Engineer of Record and the Department. The MT rate for an individual welder or welding operator may be reduced to 10%, provided the reject rate is demonstrated to be 5 % or less of the welds tested for the welder or welding operator. A sampling of at least 20 completed welds for a job shall be made for such a reduction evaluation. This reduction is not permitted on welds in the k-area, at repair sites, weld tab and backing removal sites and access holes.
   iii. Reject rate shall mean the number of welds containing rejectable defects divided by the number of welds completed.

9. Documentations
The reports listed in Table 1 on Sheet 2 shall be submitted to the City Building Inspector in a timely manner.

V. WELDING PROCEDURES

1. Bottom Beam Flange Moment Connection Welding
Where welding of the bottom beam flange to the column flange is in the flat welding position, welding shall be completed with the following sequence:
a. Start welding from Side A (one side of the beam) with a maximum 1/4 inch thick root pass beyond the center of the joint on Side B (other side of the beam), reaching past the beam web through the weld access hole.
b. After the arc is initiated, electrode travel shall progress toward the edge of the Side A beam flange, terminating on the Side A weld tab.
c. The Side A root pass, and the root pass deposit on Side B, shall be thoroughly cleaned to allow the Deputy Inspector to verify that the resulting bead profile is suitable for obtaining good fusion by the subsequent root pass to be initiated from Side B. If the profile is not conducive to good fusion, the start of the first root pass shall be grounded, gouged, chipped, or otherwise prepared to ensure adequate profile to achieve fusion.
d. Complete the root pass on Side B before any other weld passes are performed.
e. The arc shall be initiated at the start of the first Side A root pass, and electrode travel shall progress toward the edge of the Side B beam flange, terminating on the Side B weld tab.
f. The above sequence shall be repeated for subsequent weld layers, and each weld layer shall be completed on both sides of the joint before a new layer is deposited. The order of operations (Side A, then Side B, or vice versa) is not restricted and may vary for each weld layer. Weld passes shall be placed in horizontal layers. Each pass shall be thoroughly cleaned of slag and wire brushed. Each pass shall be visually inspected by the Deputy Inspector, as described above in Step (c).

An alternate welding sequence may be made provided the Welder or Contractor submits in writing an alternate sequence that is approved by the Engineer of Record and complies with the requirements of Part III Item 5 of the Standard QA Plan.

2. Sequence for Welding at Multiple Locations
When welding occur at multiple locations of welded steel moment frame connections, the following sequence shall be followed:
a. Weld both top and bottom beam flanges prior to any supplemental welding to the beam web or shear tab.
b. Engineer of Record shall review and approve all field welding sequences prior to the start of work.
c. Field welding of web shear plates with bolts shall occur after field welding of beam flanges to column flange.
d. High strength bolts shall be in the snug tight condition prior to welding.
e. Notwithstanding AISC LRFD Specification Section J1.9 to the contrary, high strength bolts shall be fully tensioned upon completion of all welding activities.

3. Welding Technique
a. Stringer beads shall be used during all welding operations. Maximum bead width, bead thickness, and layer thickness shall be considered. Weaving is not permitted, except when the WPS approved by the Engineer of Record limits electrode oscillation transverse to the weld axis to a maximum of:
   i. 3d for 1G/1F, 2G/2F, and 4G/4F weld positions, or
   ii. 5d for the 3G/3f position, where d = electrode diameter.
b. Welding layers should progress from the face of the column flange outward toward the groove face of the beam flange as illustrated in Detail 13 on Sheet 3.

4. Preheat and Interpass Temperature
a. The minimum preheat and interpass temperature requirements in Table 4 of Sheet 2 shall be observed. Special attention shall be given to AWS Section 3.5.1 and Section 5.6 for the thickness of the base metal to be welded.
b. Preheat and all subsequent interpass temperatures shall be maintained during the welding operation for a distance at least equal to the thickness of the thicker welded part, but not less than 3", in all directions from the point of welding.
c. Where base metals are of different thickness, the higher minimum preheat and interpass temperature requirements of the thicker plate shall govern.
d. Maximum preheat and interpass temperature shall not exceed the lesser of:
   i. 550°F, or
   ii. The maximum temperature recommended by the manufacturer.

5. Post Weld Heat Treatment
Unless specified otherwise in an approved WPS, the minimum post weld heat treatment shall be provided as follows:
a. Apply temperature in the 400°F to 600°F range immediately after completion of welding to prevent the weld metal from cooling below the minimum preheat and interpass temperature.
b. Maintain temperature for approximately 1 hour per inch of thickness of weld metal or 2 hours, whichever is less.
c. Conditions specified in AWS Section 3.14 and Section 5.8 should carefully be considered when applying post weld heat treatment. Alternatively, the use of insulating blankets after the completion of welding in lieu of post weld heat treatment may be permitted to control the cooling of the welded connection to ambient temperature if recommended by the Engineer of Record and approved by the City Building Inspector; unless required otherwise by an approved WPS.

VI. WELDING AND FABRICATION DETAILS

1. Base Metal Joint Preparation
a. Base metal preparation shall be in comply with AWS Section 5.15.
b. All beam flange to column flange welds are to be made with an AWS prequalified CJP groove welded joint detail.
c. Bevel, fit-up and detail tolerances shall be as required by the selected prequalified welded joint detail.
d. Whenever possible, use the AWS prequalified CJP groove welded joint detail as illustrated in Detail 14 on Sheet 3 and the following:
   i. Use single bevel CJP groove welds made with a 30° groove angle or double bevel CJP groove welds when flange thickness exceed 1-1/2 inch.
   ii. "As Fit-Up" and "As Detailed" shall be the maximum tolerances.
   iii. Meet all prequalified WPS variables in Table 5 on Sheet 2.

2. Weld Access Hole
a. Where weld access holes are provided, they shall be detailed as illustrated in Detail 12 on Sheet 3.
b. Notches and gouges shall be repaired following a WPS approved by ther Engineer of Record.
c. Weld access holes shall be prepared by grinding to a suitable finish in accordance with AISC LRFD Specification Section J1.6 and provided with a minimum radius of 3/8 inch as illustrated in Detail 12 on Sheet 3.

3. Backing Bar
a. Backing bar used in connections with a CJP groove weld of beam flange to column flange shall be removed except that top flange backing bar attached to the column by a continuous fillet weld on the edge below thee CJP groove weld need not be removed.
b. Following removal of backing bar, the root pass shall be backgouged to sound weld metal, and back welded. A reinforcing fillet weld with a minimum leg size of 5/16 inch or the root opening plus 1/16 inch, whichever is larger, shall be provided. The reinforcing fillet weld need not be grounded.
c. When backing bar is other than AWS Table 3.1 and Section 5.2.2 approved base metal is used, the following shall apply:
   i. Ceramic, flux or glass tape may be used provided the manufacture's recommendations are followed.
   ii. When a non-metallic backing bar is used, the WPS and the Welder shall be qualifed using the type of backing bar intended for welding.
   iii. Nonferrous metallic (e.g. copper) backing materials are not permitted.

4. Weld Tab
a. Weld tabs shall be aligned parallel to the joint preparation.
b. No weld dams are allowed.
c. Weld tabs shall extend beyond the edge of the joint a minimum distance equal to the part thickness, but not less than one inch.
d. Weld tab shall be removed upon completion of the welded joint as follows:
   i. No more than 1/8 inch beyond the edge of the joint shall remain, except at continuity plate where up to 1/4 inch is acceptable.
   ii. Edges of the weld tab shall be finished to a surface roughness value of 500 micro inch or better. Grinding to a flush condition is not required.

SITE ADDRESS:

OWNER:

STANDARD QUALITY ASSURANCE PLAN
For Steel Moment Frames

The specifications and illustrative details presented in this Standard Quality Assurance Plan are for general information only. This Standard Quality Assurance Plan should not be used or relied upon for any specific application without competent professional examination and verification of its accuracy, suitability, and applicability by the Engineer or Architect of Record. By signing and sealing this Standard Quality Assurance Plan, the Engineer or Architect of Record assumes full responsibility for the application of all of the specifications and illustrative details associated with the subject property. Furthermore, by signing and sealing this Standard Quality Assurance Plan, the Engineer or Architect of Record acknowledges that the City of Los Angeles assumes no responsibility for the application of any of the specifications and illustrative details presented in this Standard Quality Assurance Plans and all liability arising from such use.

Engineer of Record

CITY OF LA LADBS
DEPARTMENT OF BUILDING AND SAFETY

Date: 08/20/2005

Scale: Not to Scale

Sheet:

Sheet 1 of 3

REGISTERED PROFESSIONAL ENGINEER
PATRICK D. RICHARDSON
No. S4607
Exp. 6-30-17
STRUCTURAL
STATE OF CALIFORNIA

BUREAU OF ENGINEERING
CITY OF LOS ANGELES
ENGINEERING

NO.	REVISIONS:	DATE:	BY:

BUILDING NO.

INDEX NO. RP 300094

BID SET SUBMITTAL

CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS

CITY ENGINEER

VERTICAL CONTROL:

HORIZONTAL CONTROL:

DATE:
2016 15
2016 07

GARY LEE MOORE, PE, ENV SP

ARCHITECTURAL DIVISION

ENGINEER: DERRICK ROORDA, PE — LIC. NO. S4607

DESIGNED BY: JR

DRAWN BY: EN

CHECKED BY:

APPROVED BY:

SHEET TITLE: LADBS SOAP

PROJECT: RANCHO CIENEGA SPORTS COMPLEX

ADDRESS: 5001 RODEO ROAD
LOS ANGELES, CA 90016

WORK ORDER NO.
E1907694

PLAN FILE NO.

DRAWING NO.
S-004

SHEET OF SHEETS

PLOTTED: ----

BUROHAPPOLD ENGINEERING

N

REVISION DATES (DESIGN STAGE ONLY)

TEMPLATE SHEET REVISION DATE: 08/2014
REVISION DATE: 7/21/2015 5:02 PM FILE: Z:\14-018 RANCHO CIENEGA SPORTS COMPLEX\DRAWING\SCAD\BLOCKS\TITLEBLOCKS\LA_BOE_TITLB_RCSC_DESIGN DEVELOPMENT.DWG

THE CITY OF LOS ANGELES OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF ELECTRONIC COPIES OF THIS PLAN SHEET.

CONTINUED FROM SHEET 1

e. Gouges and notches are not permitted. The transitional slope of any area where gouges and notches have been removed shall not exceed 1:5.
f. Material removed by grinding that extends more than 1/16 inch below the surface of the base metal shall be filled with weld metal. The contour of the weld at the ends shall provide a smooth transition, free of notches and sharp corners.

5. Continuity Plate
a. Continuity plates shall be detailed as illustrated in Detail 11 on Sheet 3.
b. The weld attaching the continuity plate to the column flange shall be as follows:
i. Use a CJP groove weld for the full length of the groove preparation.
ii. When backing bars are omitted, the root shall be backgouged and back welded.
iii. When backing bars are used and remain in place, backing bars shall be attached to the column flanges with a reinforcing fillet weld.
iv. Fillet weld shall not be used to connect backing bars to continuity plates.
v. The fillet weld size need not exceed the minimum size requirements of AWS Table 5.8.
c. Weld terminations near the end of the column flange tips may be completed using weld tabs as follows:
i. Weld tabs may be steel or nonfusible material.
ii. Weld terminations near the radius of the column need not be made using weld tabs. The use of small nonfusible weld tabs to assist in weld terminations is permitted.
iii. Weld tabs shall be removed following completion of welding.
d. Continuity plates may be welded to the column web with groove welds, fillet welds, or a combination of the two. Fillet welds shall terminate a minimum distance of 1/4 inch from each end of the joint.

6. Doubler Plate
Web doubler plates, as illustrated in Detail 2, 3, or 4 on Sheet 3, shall be welded using either Detail 5, 6, or 7 on Sheet 3.

7. Requirements for "k" Area
Welds shall terminate short of the "k" area for continuity plates as illustrated in Detail 11 on Sheet 3.

VII. EXEMPTIONS

1. Reduction from certain quality assurance components of this Standard QA Plan, as listed in Part VII Item 2, are permitted for the following buildings or structures:
a. One or two family dwellings not more than 1 story in height and 2,500 sf of floor area,
b. Buildings or structures accessory to residential uses (such as carport, storage, garage), and
c. Miscellaneous structures (such as walkway, canopy, patio cover, gazebo, storage rack).

2. Buildings or structures, as listed in Part VII Item 1, are exempt from providing the following quality assurance components:
a. Electrode Storage and Atmospheric Exposure, Part IV Item 5(f) and 5(g).
b. Plastic Hinging Zone Protection, Part IV Item 6.
c. Additional CVN Notch Toughness Testing, Part IV Item 7.
d. Non-Destructive Testing, Part IV Item 8.
e. Preheat and Interpass Temperature, Part V Item 4.
f. Post Weld Heat Treatment, Part V Item 5.

Table 7. PREQUALIFIED BASE METAL - FILLER METAL COMBINATIONS FOR MATCHING STRENGTH (1, 2, 3, 4)

BASE METAL		FILLER METAL		
Group	Steel Specification	Welding Process	AWS Electrode Specification	Electrode Classification
I	ASTM A36 < 3/4 in.	SMAW	A5.1	E70XX
			A5.5 (5)	E70XX-X
		FCAW	A5.20 (5)	E70XT-X, E7XT-XM
			A5.29 (5)	E70XTX-X, E7XTX-XM
II	ASTM A36 ≥ 3/4 in. ASTM A572 Grade 50 ASTM A913 Grade 50 ASTM A992	SMAW	A5.1	E7015, E7016, E7018, E7028
			A5.5 (5)	E70XX-X
		FCAW	A5.20 (5)	E70XT-X, E7XT-XM
			A5.29 (5)	E70XTX-X, E7XTX-XM

RELATIONSHIP	BASE METAL(S)	FILLER METAL STRENGTH RELATIONSHIP REQUIRED
Matching	Any steel to itself or any steel to another in the same group	Any filler metal listed in the same group
	Any steel in one group to any steel in another	Any filler metal listed for a lower strength group [SMAW electrodes shall be the low-hydrogen classification]
Under-Matching	Any steel to any steel to any group	

NOTES:
1. The base metal/filler metal strength relationships above shall be used to determine whether matching or under-matching filler metals are required. Refer to AWS D1.1/D1.1M:2002, Section 3.3.
2. Preheating of joints involving base metals of different groups shall be in conformance with the requirements applicable to the higher strength group.
3. When welds are to be stress-relieved, the deposited weld metal shall not exceed 0.05 percent vanadium.
4. Adapted with permission from the AWS D1.1 Committee on Structural Welding, Structural Welding Code - Steel, AWS D1.1/D1.1M: 2002, Miami: American Welding Society, Table 3.1.
5. FCAW electrodes with the -2, -2M, -3, -4, -7, -10, -11, -13, -14, G, -GS suffix shall be excluded and electrodes with the -11 suffix shall be excluded for thicknesses greater than 1/2 in.
6. Filler metals of alloy group B3, B3L, B4, B4L, B5, B5L, B6, B6L, B7, B7L, B8, B8L, B9, or any BXH grade in AWS A5.5 or A5.29 are not prequalified for use in the as-weld condition.

Table 5. PREQUALIFIED WPS REQUIREMENTS (1, 2, 3)

VARIABLE	POSITION OF WELD	WELD TYPE	SMAW	FCAW
Maximum Electrode Diameter	Flat (F)	Fillet (4)	5/16 in.	1/8 in.
		Groove (4)	1/4 in.	
		Root Pass	3/16 in.	
	Horizontal (H)	Fillet	1/4 in.	1/8 in.
		Groove	3/16 in.	
	Vertical (V)	All	3/16 in.	3/32 in.
	Overhead (OH)	All	3/16 in.	5/64 in.
Maximum Current	All	Fillet	Within the range of recommended operation by the filler metal manufacturer and a WPS approved by engineer of record.	Within the range of recommended operation by the filler metal manufacturer and a WPS approved by engineer of record.
	All	Groove weld root pass with opening		
		Groove weld root pass without opening		
		Groove weld fill passes		
		Groove weld cap pass		
Maximum Root Pass Thickness (5)	Flat (F)	All	3/8 in.	3/8 in.
	Horizontal (H)		5/16 in.	5/16 in.
	Vertical (V)		1/2 in.	1/2 in.
	Overhead (OH)		5/16 in.	5/16 in.
Maximum Fill Pass Thickness	All	All	3/16 in.	1/4 in.
Maximum Single Pass Fillet Weld Size	Flat (F)	Fillet	3/8 in.	1/2 in.
	Horizontal (H)		5/16 in.	3/8 in.
	Vertical (V)		1/2 in.	1/2 in.
	Overhead (OH)		5/16 in.	5/16 in.
Maximum Single Pass Layer Width	All	Root opening >1/2 in.	Not applicable.	Split layers
		Any layer of width w		(5)

NOTES:
1. Applicable provisions of AWS D1.1/D1.1M:2002 Section 3 "Prequalification of WPSs" must be maintained for prequalified status of SMAW and FCAW WPSs.
2. Refer to Detail 13 on Sheet 3 for diagram of weld pass sequence.
3. Adapted with permission from the AWS D1.1 Committee on Structural Welding, Structural Welding Code - Steel, AWS D1.1/D1.1M: 2002, Miami: American Welding Society, Table 3.7.
4. Except root passes.
5. See AWS D1.1/D1.1M:2002, Section 3.7.2, for width-to-depth limitations.
6. In the F, H, or OH positions for nontubulars, split layers when the layer width w > 5/8 inch. In the V position for nontubulars or the 5G or 6G for tubulars, split layers when the width w > 1 inch.

Table 1. REPORTS TO BE SUBMITTED TO THE CITY BUILDING INSPECTOR

	PREPARED BY	TYPE OF REPORT
1.	Structural Observer(s)	Structural Observation Reports
2.	Deputy Inspector(s)	Deputy Inspection Reports
3.	NDT Technician(s)	Non-Destructive Testing Reports

Table 2. NON-DESTRUCTIVE TEST LOCATIONS

	REQUIRED LOCATIONS	OMF	IMF	SMF
1.	**CJP Groove Weld** Ultrasonic test shall be performed on all CJP groove welds in materials 5/16 inch (8 mm) thick or greater. In addition, magnetic particle test shall be performed on all beam-to-column CJP groove welds.	B	A	A
2.	**"k" Area** When welding of doubler plates, continuity plates, or stiffeners has been performed in the k-area, the web shall be tested for cracks using magnetic particle testing. The magnetic particle test area shall include the k-area base metal within 3 in. (75 mm) of the weld.	C	B	B
3.	**Beam Cope and Access Hole** At welded splices and connections, thermally cut surfaces of beam copes and access holes shall be tested using magnetic particle testing, when the flange thickness exceeds 1-1/2 in. (38 mm) for rolled shapes.	C	B	B
4.	**Reduced Beam Section Repair** Magnetic particle testing shall be performed on any weld and adjacent area of the RBS plastic hinge region that has been repaired by welding, or on the base metal of the RBS plastic hinge region if a sharp notch has been removed by grinding.	B	B	A
5.	**Base Metal Lamellar Tearing and Laminations at CJP Groove Weld** Base metal thicker than 1-1/2 in. (38 mm) shall be ultrasonically tested for discontinuities behind and adjacent to the fusion line when the base metal is loaded in tension in the through thickness direction in tee and corner joints and the connected material is greater than 3/4 in. (19 mm). Any base metal discontinuities found within t/4 of the steel surface shall be accepted or rejected on the basis of criteria of AWS D1.1 Table 6.2, where t is the thickness of the part subjected to the through-thickness strain.	B	B	A
6.	**End of Weld at Weld Tab Removal Site** Magnetic particle testing shall be performed on the end of welds from which the weld tabs have been removed, except for continuity plate weld tabs.	C	B	B
7.	**PJP Groove Weld** Ultrasonic testing shall be performed on PJP groove welds used in column splices with an effective throat of 3/4 in. (19.1 mm) thick or greater.	C	B	A

NOTE: A, B, and C are the frequencies of non-destructive tests listed in Table 3.

Table 6. STRUCTURAL OBSERVATION CHECKLIST

STRUCTURAL OBSERVATION PROGRAM (Steel Moment Frame for Seismic Application)
☐ Orientation and placement of connected components.
☐ Removal of backing bars, as required on the plans.
☐ Removal of runoff tabs, as required on the plans.
☐ Presence of continuity plates, as required on the plans.
☐ Presence of doubler plates, as required on the plans.
☐ Configuration and finish of weld access holes, if applicable.
☐ Contour of RBS profile, if applicable.
☐ Verify that no welded attachments occur in the plastic hinging region.
☐ Review NDT and deputy inspection reports for general compliance.

NOTES:
1. Weld qualities shall be verified by the Deputy Inspector.
2. The structural observations listed in this Table are in addition to the structural observations that may be required on the structural plans.

Table 3. NON-DESTRUCTIVE TEST FREQUENCY

	Frequency Designation		
	A	B	C
Ultrasonic Testing (UT)	100% of joints	50% of joints	25% of joints
Magnetic Particle Testing (MT)	50% of joints	25% of joints	Not Required

NOTES:
1. Refer to Table 2 for locations of non-destructive testing.
2. Rate of non-destructive testing may be reduced as permitted in Sheet 1, Part IV, Item 8(d).

Table 4. PREQUALIFIED MINIMUM PREHEAT AND INTERPASS TEMPERATURE

STEEL SPECIFICATION	WELDING PROCESS	THICKNESS OF THICKEST PART AT POINT OF WELDING (in.)	MINIMUM PREHEAT AND INTERPASS TEMPERATURE (°F)
ASTM A36 ASTM A572 Grade 50 ASTM A913 Grade 50 ASTM A992	SMAW with low-hydrogen electrodes, FCAW	1/8 to 3/4 incl.	32
		Over 3/4 to 1-1/2 incl.	50
		Over 1-1/2 to 2-1/2 incl.	150
		Over 2-1/2	225

NOTES:
1. Surfaces to be welded and surfaces adjacent to welds shall be free of moisture pursuant to AWS D1.1/D1.1M:2002 Section 5.15. Use a higher preheat temperature from this Table to remove moisture.
2. Adapted with permission from the AWS D1.1 Committee on Structural Welding, Structural Welding Code - Steel, AWS D1.1/D1.1M: 2002, Miami: American Welding Society, Table 3.2.

BUREAU OF ENGINEERING
OFFICIAL RECORD

SITE ADDRESS:

OWNER:

STANDARD QUALITY ASSURANCE PLAN
For Steel Moment Frames

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Engineer of Record

LA DBS
DEPARTMENT OF BUILDING AND SAFETY

Date: 06/20/2005
Scale: Not to Scale
Sheet:
Sheet 2 of 3

REGISTERED PROFESSIONAL ENGINEER — GARY LEE MOORE — No. S-4607 — EXP. 6-30-17 — STRUCTURAL — STATE OF CALIFORNIA

BUREAU OF ENGINEERING
CITY OF LOS ANGELES

BUREAU OF ENGINEERING
CITY OF LOS ANGELES

NO. | REVISIONS: | DATE: | BY:

BUILDING NO.

INDEX NO. RP 300094

BID SET SUBMITTAL

CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS

VERTICAL CONTROL:
HORIZONTAL CONTROL:
SHEET TITLE: LADBS SQAP

PROJECT: RANCHO CIENEGA SPORTS COMPLEX
ADDRESS: 5001 RODEO ROAD
LOS ANGELES, CA 90016

GARY LEE MOORE, PE, ENV SP — CITY ENGINEER — DATE: 2016
ENGINEER: DERRICK ROORDA, PE — ARCHITECTURAL DIVISION — LIC. NO. S4607
DESIGNED BY: JR
DRAWN BY: EN
CHECKED BY:
APPROVED BY:

WORK ORDER NO. E1907694
PLAN FILE NO.
DRAWING NO. S-005
SHEET OF SHEETS

N

BUROHAPPOLD ENGINEERING

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TEMPLATE SHEET REVISION DATE: 08/2014
REVISION DATE: 7/21/2015 5:02 PM
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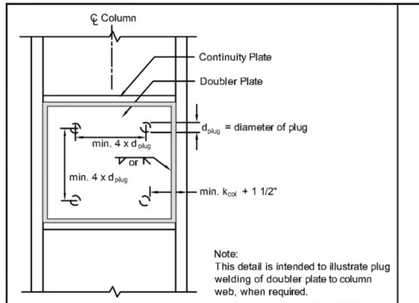
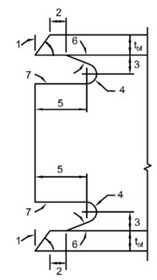


Note:
This detail is intended to illustrate plug welding of doubler plate to column web, when required.

(refer to AWS D1.1/D1.1M:2002 Section 2.3.5, 2.9, and 3.10 for minimum plug weld requirements)

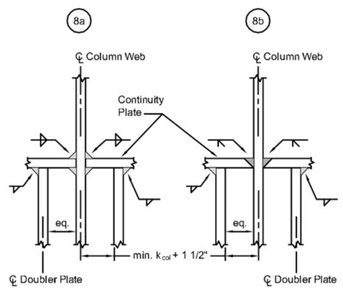
Plug Welding of Doubler Plate to Column — **Detail 16** Scale: Not to Scale



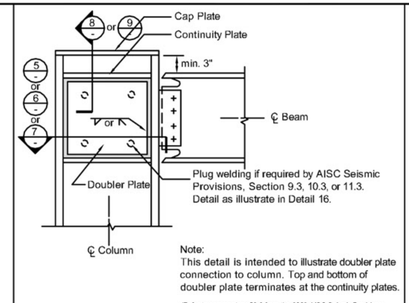
Notes:
1. Bevel as required by a selected AWS prequalified CJP groove welded joint detail.
2. Larger of t_f or 1/2" (plus 1/2 t_{bf}, or minus 1/4 t_{bf}).
3. 3/4 t_f to t_{bf}, 3/4" minimum (± 1/4").
4. 3/8" minimum radius (plus not limited, or minus 0).
5. 3 t_{bf} (±1/2").
6. Tolerances shall not accumulate to the extent that the angle of the access hole cut to the flange surface exceed 25°.
7. Weld access hole shall be ground smooth to a surface roughness value not to exceed 500 micro inch; and shall be free of notches and gouges.

(from FEMA 350 "Recommended Seismic Design Criteria for New Steel Moment Frame Building" Figure 3-5)

Weld Access Hole Detail — **Detail 12** Scale: Not to Scale



Doubler Plate Welds to Continuity Plate — **Detail 8** Scale: Not to Scale



Note:
This detail is intended to illustrate doubler plate connection to column. Top and bottom of doubler plate terminates at the continuity plates.

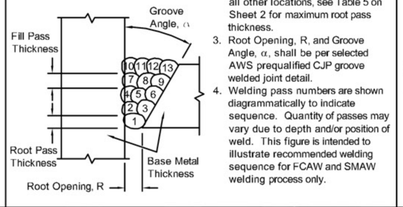
(Refer to commentary C9.3 from the 2002 AISC Seismic Provisions, "For Structural Steel Buildings")

Web Doubler Plate Detail — **Detail 4** Scale: Not to Scale

TYPICAL SHEET 3 GENERAL NOTES:

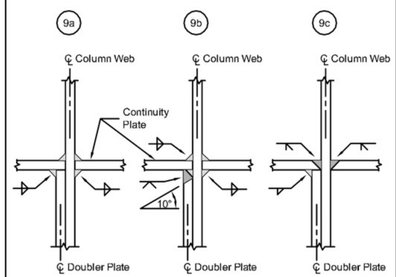
1. The illustrative details provided herein are intended to highlight the minimum fabrication and welding details that should be reflected on the structural plan. It shall not be used as a substitute for or in lieu of structural details that the Engineer or Architect of Record must provide on the structural plan.
2. The illustrative details does not provide information such as, but not limited to, size of columns or beams, continuity or doubler plate thicknesses, size and length of the fillet welds, the type of beam to column moment connections, steel column frame to foundation connections, or length and location of plastic hinging zones. This information shall be determined by the Engineer or Architect of Record and specified on the structural plan.
3. Where the illustrative details provide information such as weld type to use at a particular weld joint, minimum or maximum dimensions for length, weld size, or gap between base metals, it should be appropriately reflected on the structural plan by the Engineer or Architect of Record.

Typical Sheet 3 Notes

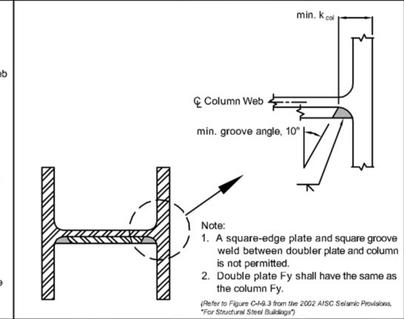


Notes:
1. For maximum fill pass thickness, see Table 5 on Sheet 2.
2. For moment connection at bottom beam flange to column flange, the maximum root pass thickness shall not exceed 1/4" per Part V, Item 1. For welded connection at all other locations, see Table 5 on Sheet 2 for maximum root pass thickness.
3. Root Opening, R, and Groove Angle, α, shall be per selected AWS prequalified CJP groove welded joint detail.
4. Welding pass numbers are shown diagrammatically to indicate sequence. Quantity of passes may vary due to depth and/or position of weld. This figure is intended to illustrate recommended welding sequence for FCAW and SMAW welding process only.

Weld Pass Sequence — **Detail 13** Scale: Not to Scale



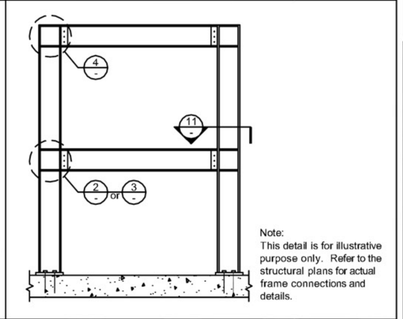
Doubler Plate Welds to Continuity Plate — **Detail 9** Scale: Not to Scale



Note:
1. A square-edge plate and square groove weld between doubler plate and column is not permitted.
2. Double plate Fy shall have the same as the column Fy.

(Refer to Figure C-AISC-9.3 from the 2002 AISC Seismic Provisions, "For Structural Steel Buildings")

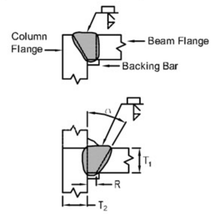
Groove Welded Doubler Plate — **Detail 5** Scale: Not to Scale



Note:
This detail is for illustrative purpose only. Refer to the structural plans for actual frame connections and details.

Sample Steel Moment Frame — **Detail 1** Scale: Not to Scale

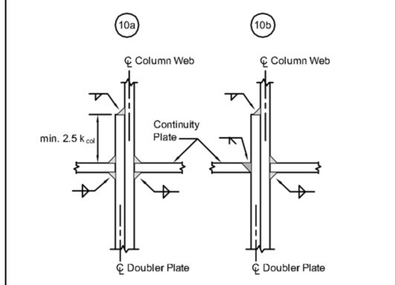
TOLERANCES	
As Detailed	As Fit-Up
R = +1/16, -0	+1/4, -1/16
∠ = +10°, -0°	+10°, -5°



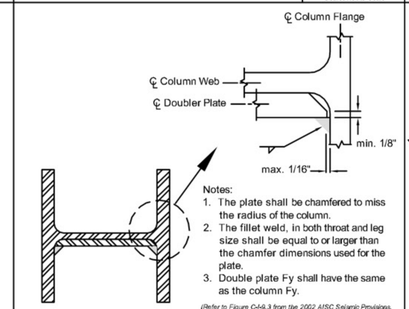
Welding Process	Joint Designation	Base Metal Thickness (U = unlimited) T_1	T_2	Groove Preparation: Root Opening	Groove Angle	Allowed Welding Positions	Gas Shielding for FCAW
SMAW	TC-U4a	U	U	R = 1/4	∠ = 45°	All	-
				R = 3/8	∠ = 30°	F, V, OH	-
FCAW	TC-U4a-GF	U	U	R = 3/16	∠ = 30°	All	Required
				R = 3/8	∠ = 30°	F	Not required
				R = 1/4	∠ = 45°	All	Not required

Notes:
1. Groove welds in corner and T-joints of cyclically loaded structures shall be reinforced with fillet welds equal to T_1 /4, but need not exceed 3/8 inch.
2. For corner joints, the outside groove preparation may be in either or both members, provided the basic groove configuration is not changed and adequate edge distance is maintained to support the welding operations without excessive edge melting.
3. Adapted with permission from the AWS D1.1 Committee on Structural Welding, Structural Welding Code - Steel, AWS D1.1/D1.1M: 2002, Miami: American Welding Society, Figure 3.4 pg. 92 (top left).

AWS Prequalified CJP Groove Welded Joint Detail — **Detail 14** Scale: Not to Scale



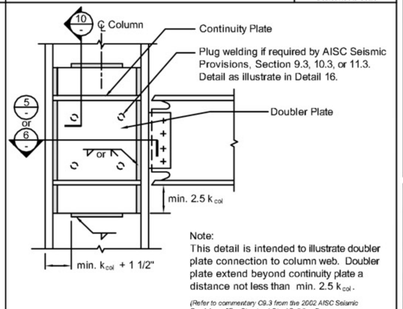
Doubler Plate Welds to Continuity Plate — **Detail 10** Scale: Not to Scale



Notes:
1. The plate shall be chamfered to miss the radius of the column.
2. The fillet weld, in both throat and leg size shall be equal to or larger than the chamfer dimensions used for the plate.
3. Double plate Fy shall have the same as the column Fy.

(Refer to Figure C-AISC-9.3 from the 2002 AISC Seismic Provisions, "For Structural Steel Buildings")

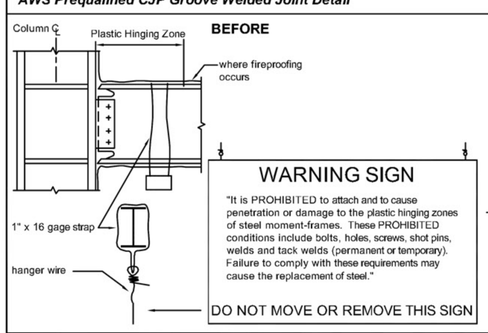
Fillet Welded Doubler Plate — **Detail 6** Scale: Not to Scale

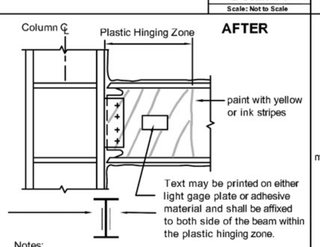


Note:
This detail is intended to illustrate doubler plate connection to column web. Doubler plate extend beyond continuity plate a distance not less than min. 2.5 k_{col}.

(Refer to commentary C9.3 from the 2002 AISC Seismic Provisions, "For Structural Steel Buildings")

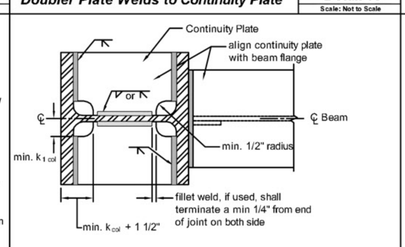
Web Doubler Plate Detail — **Detail 2** Scale: Not to Scale





Notes:
1. This detail is intended to illustrate the location of the "Warning Sign" at the plastic hinging zone.
2. "Warning Sign" shall be provided as required by Part IV Item 6 on Sheet 1.
3. Length of the plastic hinging zone shall be a min. of 2 x beam depth, unless noted otherwise on the structural plans.

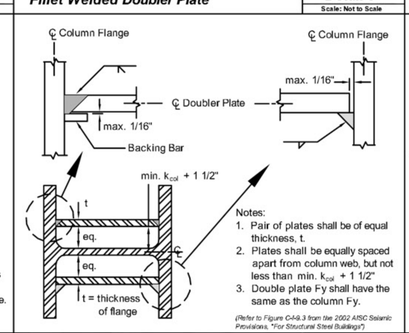
Warning Sign at Plastic Hinging Zone — **Detail 15** Scale: Not to Scale



Note:
Continuity plate shall have a thickness greater than or equal to the beam flange or beam flange connection plate.

(from FEMA 350 "Recommended Seismic Design Criteria for New Steel Moment Frame Building" Figure 3-6)

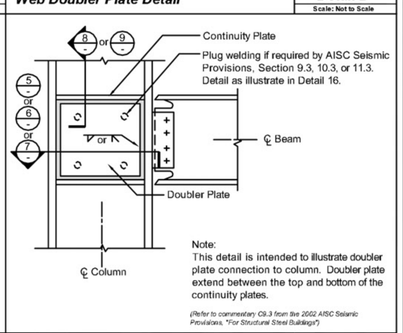
Continuity Plate Detail — **Detail 11** Scale: Not to Scale



Notes:
1. Pair of plates shall be of equal thickness, t.
2. Plates shall be equally spaced apart from column web, but not less than min. k_{col} + 1 1/2"
3. Double plate Fy shall have the same as the column Fy.

(Refer to Figure C-AISC-9.3 from the 2002 AISC Seismic Provisions, "For Structural Steel Buildings")

Groove or Fillet Welded Doubler Plate — **Detail 7** Scale: Not to Scale



Web Doubler Plate Detail — **Detail 3** Scale: Not to Scale

SITE ADDRESS:

OWNER:

STANDARD QUALITY ASSURANCE PLAN
For Steel Moment Frames

The specifications and illustrative details presented in this Standard Quality Assurance Plan have been prepared in accordance with recognized engineering principles. This Standard Quality Assurance Plan is intended for use by engineers and should not be used or relied upon for any specific application without competent professional examination and verification of its accuracy, suitability and applicability by the Engineer or Architect of Record. By signing and sealing this Standard Quality Assurance Plan, the Engineer or Architect of Record assumes full responsibility for the correct application of the specifications and illustrative details associated with this subject property. Furthermore, by signing and sealing this Standard Quality Assurance Plan, the Engineer or Architect of Record acknowledges that the City of Los Angeles assumes no responsibility for the application of any of the specifications and illustrative details contained in this Standard Quality Assurance Plans and all liability arising therefrom is waived.

Engineer of Record

CITY LA DBS DEPARTMENT OF BUILDING AND SAFETY

Date: 06/20/2005

Scale: Not to Scale

Sheet:

Sheet 3 of 3

BID SET SUBMITTAL

CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS

BUREAU OF ENGINEERING

ENGINEERING CITY OF LOS ANGELES

NO. REVISIONS: DATE: BY:

BUILDING NO.

INDEX NO. RP 300094

REGISTERED PROFESSIONAL ENGINEER — PATRICK D. ROORDA — No. S4907 — Exp. 6-30-17 — STRUCTURAL — STATE OF CALIFORNIA

CITY ENGINEER

GARY LEE MOORE, PE, ENV SP — LIC. NO. S4907 — DATE: 6/15/2016

ARCHITECTURAL DIVISION

ENGINEER: DERRICK ROORDA, PE — DESIGNED BY: JR — DRAWN BY: EN — CHECKED BY: dr — APPROVED BY:

SHEET TITLE: LADBS SQAP

PROJECT: RANCHO CIENEGA SPORTS COMPLEX

ADDRESS: 5001 RODEO ROAD LOS ANGELES, CA 90016

VERTICAL CONTROL:

HORIZONTAL CONTROL:

WORK ORDER NO. E1907694

PLAN FILE NO.

DRAWING NO. S-006

SHEET OF SHEETS

PLOTTED: ----

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TEMPLATE SHEET REVISION DATE: 08/2014

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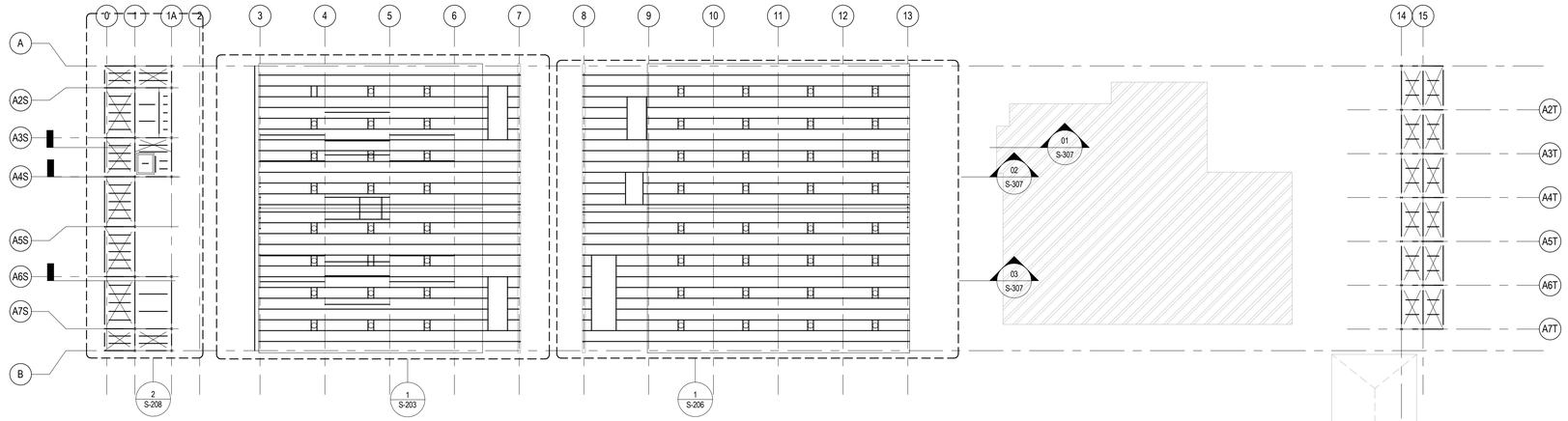
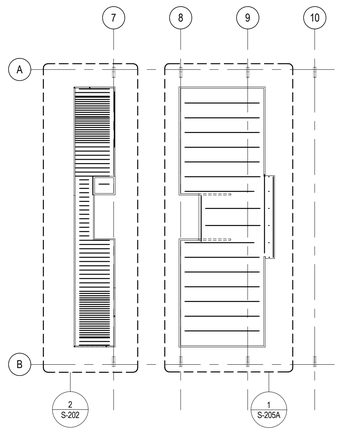


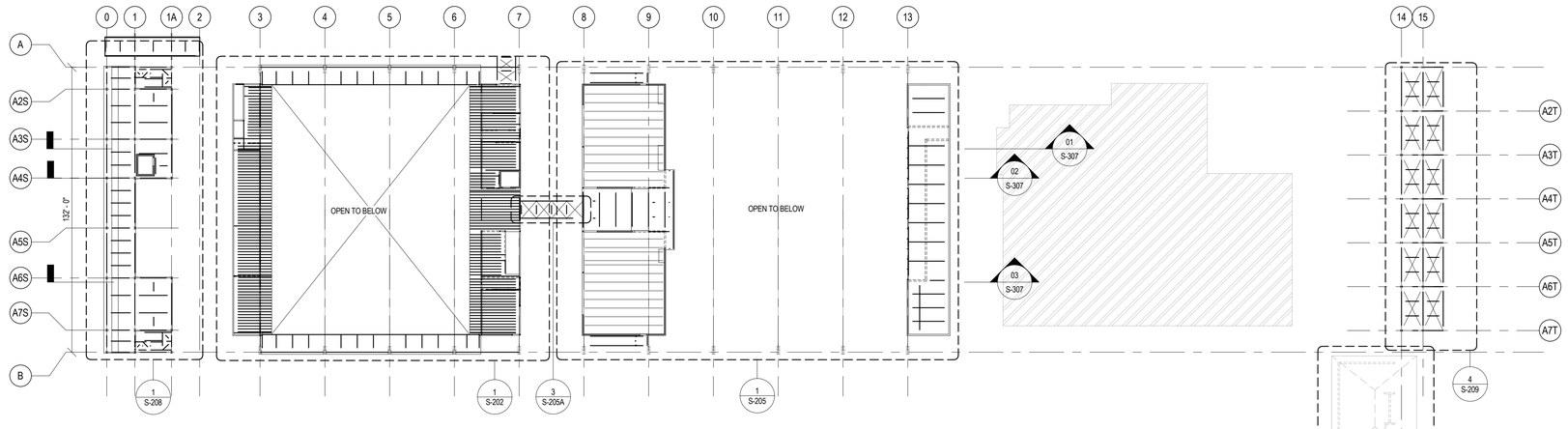
3 ROOF KEY PLAN

1/32" = 1'-0"



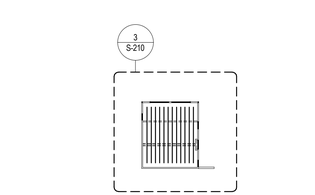
2A MECHANICAL MEZZANINE KEY PLAN

1/32" = 1'-0"



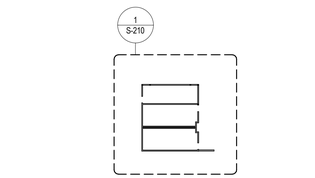
2 MEZZANINE KEY PLAN

1/32" = 1'-0"



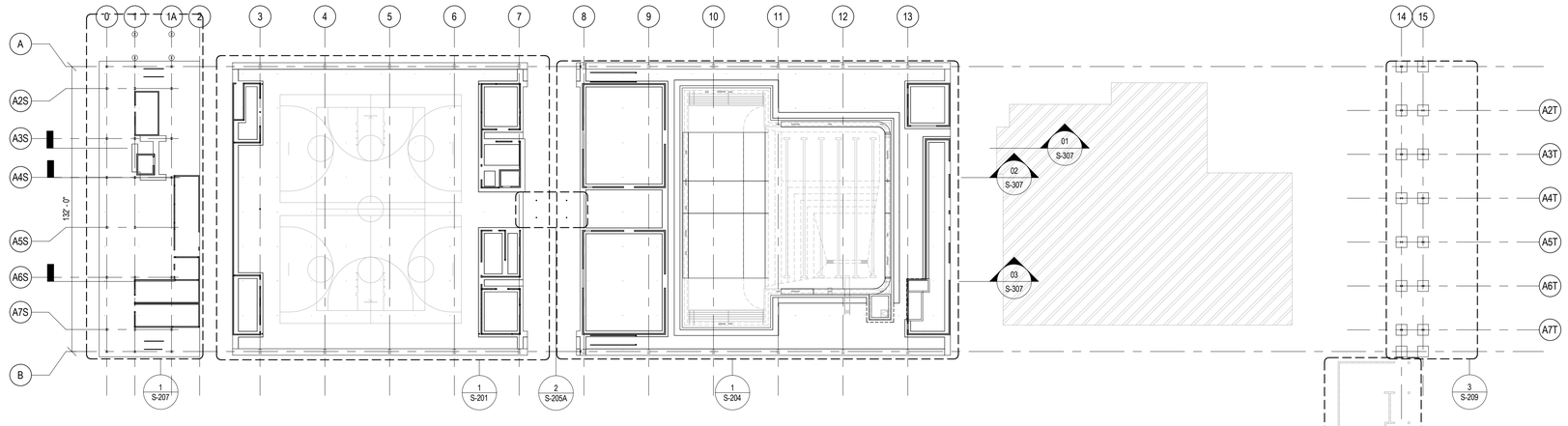
4 ROOF BATHROOM KEY PLAN

1/32" = 1'-0"



1A FIRST FLOOR BATHROOM KEY PLAN

1/32" = 1'-0"



1 FIRST FLOOR KEY PLAN

1/32" = 1'-0"

N

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CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS

BUREAU OF ENGINEERING

CITY OF LOS ANGELES ENGINEERING

NO.	REVISIONS:	DATE:	BY:

BUILDING NO.

INDEX NO. RP 300094

REGISTERED PROFESSIONAL ENGINEER PATRICK D. ROORDA No. S-46607 EXP. 6-30-17 STRUCTURAL CIVIL STATE OF CALIFORNIA

GARY LEE MOORE, PE, ENV SP CITY ENGINEER

ARCHITECTURAL DIVISION LIC. NO. S-46607

ENGINEER: DERRICK ROORDA, PE DATE: 2016 15

DESIGNED BY: JR

DRAWN BY: EN

CHECKED BY:

APPROVED BY:

VERTICAL CONTROL:

HORIZONTAL CONTROL:

SHEET TITLE: OVERALL PLANS

PROJECT: RANCHO CIENEGA SPORTS COMPLEX

ADDRESS: 5001 RODEO ROAD LOS ANGELES, CA 90016

BUREAU OF ENGINEERING OFFICIAL RECORD

WORK ORDER NO. E1907694

PLAN FILE NO.

DRAWING NO. S-200

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TEMPLATE SHEET REVISION DATE: 08/2014

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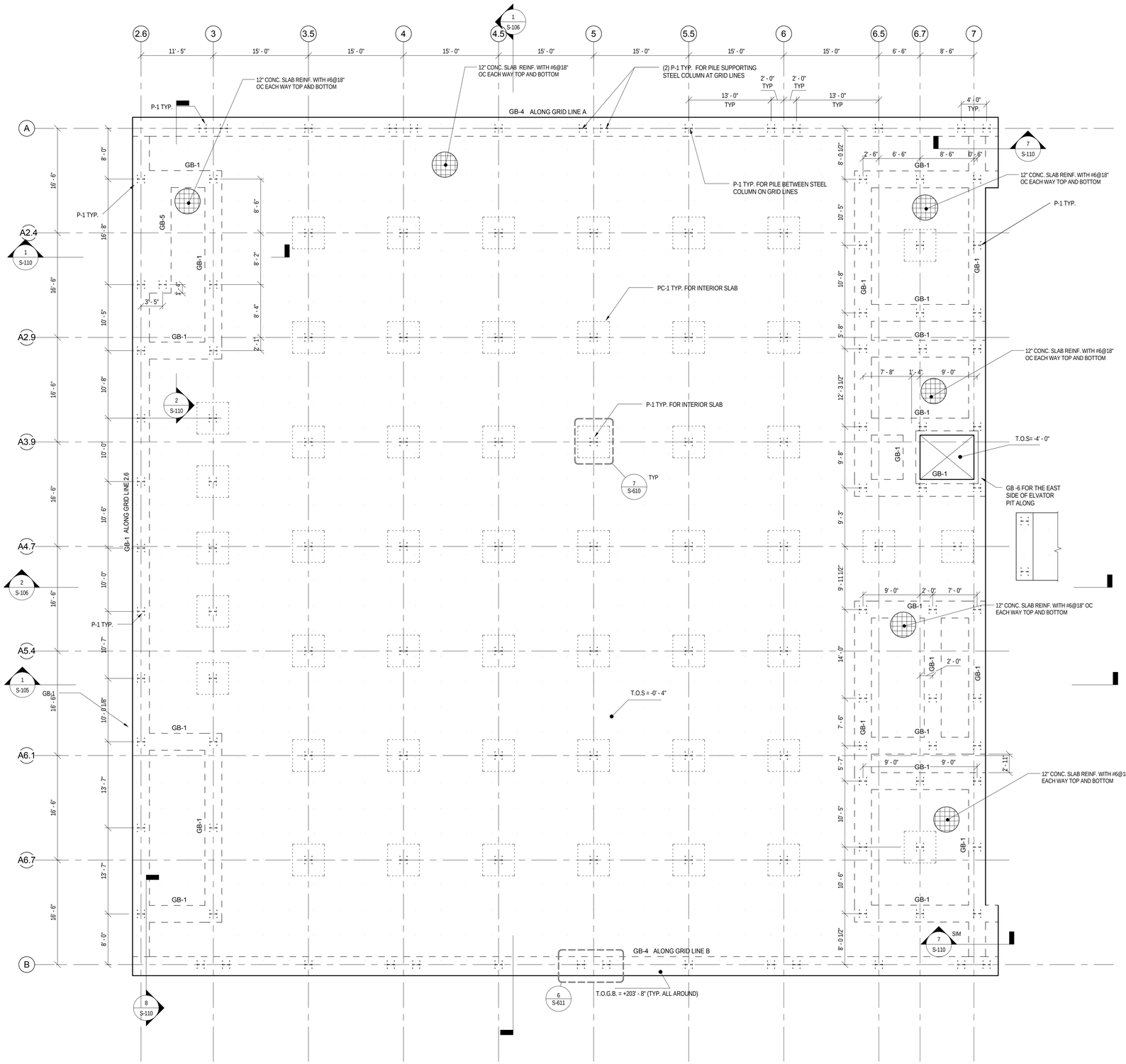

1 GYMNASIUM FOUNDATION PLAN
1/8" = 1'-0"

PILE SCHEDULE			
PILE TYPE	PILE SIZE	EMBED. INTO CONC.	MIN. EMBED. INTO SOIL
P-1	HP14x117	14"	45'-0"

GRADE BEAM SCHEDULE						
Type	WIDTH	DEPTH	LONG. BOT. REINF.	LONG. TOP. REINF	TRANS. REINF	SIDE BAR
GB-1	2' - 8"	2' - 4"	8 #8	6 #8	#4@8"	
GB-2	2' - 8"	3' - 0"	10 #8	10 #8	#4@6"	2 #8 EACH.SIDE
GB-3	2' - 8"	3' - 4"	10 #8	12 #8	#4@6"	2 #8 EACH.SIDE
GB-4	3' - 0"	3' - 0"	10 #8	6 #8	#4@4"	2 #8 EACH.SIDE
GB-5	6' - 0"	2' - 4"	16 #8	12 #8	#4@8"	NONE
GB-6	1' - 10"	2' - 4"	8 #8	6 #8	#4@8"	NONE

PILE CAP SCHEDULE					
PILE CAP TYPE	WIDTH	LENGTH	THICKNESS	TOP REINF.	BOTTOM REINF.
PC-1	5'-0"	5'-0"	2'-6"	#10@4.5" O.C. E.W.	#10@4.5" O.C. E.W.

SPREAD FOOTING				
NAME	WIDTH	LENGTH	THICKNESS	BOTTOM REINF.
F-1	5' - 0"	5' - 0"	2' - 6"	#5@12" O.C. E.W.

LEGEND

FINISH FLOOR ELEVATION = 0'-0"
(SEE CIVIL DWGS FOR EQUIVALENT SURVEY ELEVATION)
T.O.S.=TOP OF CONCRETE SLAB
T.O.F.=TOP OF FOOTING
G.B. =GRADE BEAM
PC-X = PILE CAP "X"
P-X = PILE "X"
B.O.P. = BOTTOM OF PILE

: STEP
: REBAR INDICATOR
: BRACES

PILE FOUNDATION NOTES

a. FOUNDATION OF THE PROPOSED BUILDING SHALL BE STRUCTURAL CONCRETE SLAB SUPPORTED ON GRADE BEAMS, PILE CAPS & HP PILES
b. THE PILE INFORMATION IS AS FOLLOW:
   - TYPE: HP 14X117
   - CONNECTION TYPE: FIXED
   - LATERAL DEFLECTION: 1/2 INCH
   - SHEAR CAPACITY: 35K
   - COMPRESSION CAPACITY: 183K
   - TENSION CAPACITY: 34K
   - MOMENT CAPACITY: 158.33
   - FACTOR OF SAFETY: 2.0
   - MINIMUM EMBEDMENT: 45 FT (SEE SECTION)
c. ALL ASPECTS OF HP PILE INSTALLATION SHALL COMPLY WITH THE ACCEPTANCE CRITERIA FOR HP PILES PRESENTED IN THE FOLLOWING PARAGRAPHS:

- PILE INSTALLATION SHALL BE PERFORMED UNDER THE CONTINUOUS OBSERVATION OF GEOTECHNICAL ENGINEER OF RECORD TO CONFIRM THAT PILE INSTALLATION HAS BEEN PERFORMED AS RECOMMENDED HEREIN. THE CONTRACTOR SHALL PROVIDE NECESSARY FACILITIES AT HIS EXPENSE TO ACCOMMODATE PILE OBSERVATIONS
- A PILE INDICATOR PROGRAM SHALL BE CONDUCTED PRIOR TO MANUFACTURING OF PRODUCTION PILES. AS A MINIMUM, INDICATOR PILES SHALL BE DRIVEN NEAR EACH OF THE FOUR CORNERS OF THE PROPOSED BUILDING.
- A DRIVEABILITY ANALYSIS SHALL BE PERFORMED PRIOR TO OR AS PART OF THE PILE INDICATOR PROGRAM.
- AT LEAST THREE PILE LOAD TESTS SHALL BE PERFORMED FOR EACH TYPE OF PILE; ONE IN COMPRESSION, ONE IN TENSION AND ONE IN LATERAL
- PER THE 2014 LABC, PILE LOAD TESTS IN COMPRESSION SHALL BE PERFORMED IN ACCORDANCE WITH ASTM D 1143. PILE LOAD TESTS IN TENSION SHALL BE PERFORMED IN ACCORDANCE WITH ASTM D 3689. PILE LATERAL LOAD TEST SHALL BE PREPARED IN ACCORDANCE WITH ASTM D3966.

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OFFICIAL RECORD

JCE STRUCTURAL ENGINEERING GROUP, INC.
STRUCTURAL & EARTHQUAKE ENGINEERING CONSULTANTS
35 Hugus Alley, Suite 211, Pasadena, CA 91103 Tel: (626) 585-1822 Fax (626) 585-1824

BUREAU OF ENGINEERING
NO. | REVISIONS: | DATE: | BY:
BUILDING NO.
INDEX NO. RP 300094 -

REGISTERED PROFESSIONAL ENGINEER
JUAN CARLOS ESQUIVEL
No. S 4074
Exp. 9-30-18
STRUCTURAL
STATE OF CALIFORNIA

BID SET SUBMITTAL
DEPARTMENT OF PUBLIC WORKS
CITY OF LOS ANGELES

CITY ENGINEER: GARY LEE MOORE, PE, ENV SP
ARCHITECTURAL DIVISION
ENGINEER: JUAN CARLOS ESQUIVEL LIC. NO. S-4074
DESIGNED BY: W.X DATE:
DRAWN BY: W.X
CHECKED BY: J.C.E.
APPROVED BY:
VERTICAL CONTROL:
HORIZONTAL CONTROL:
SHEET TITLE: GYMNASIUM FOUNDATION PLAN
PROJECT: RANCHO CIENEGA SPORTS COMPLEX
ADDRESS: 5001 RODEO ROAD
LOS ANGELES, CA 90016

WORK ORDER NO. E1907694
PLAN FILE NO.
DRAWING NO. S-101
SHEET OF SHEETS

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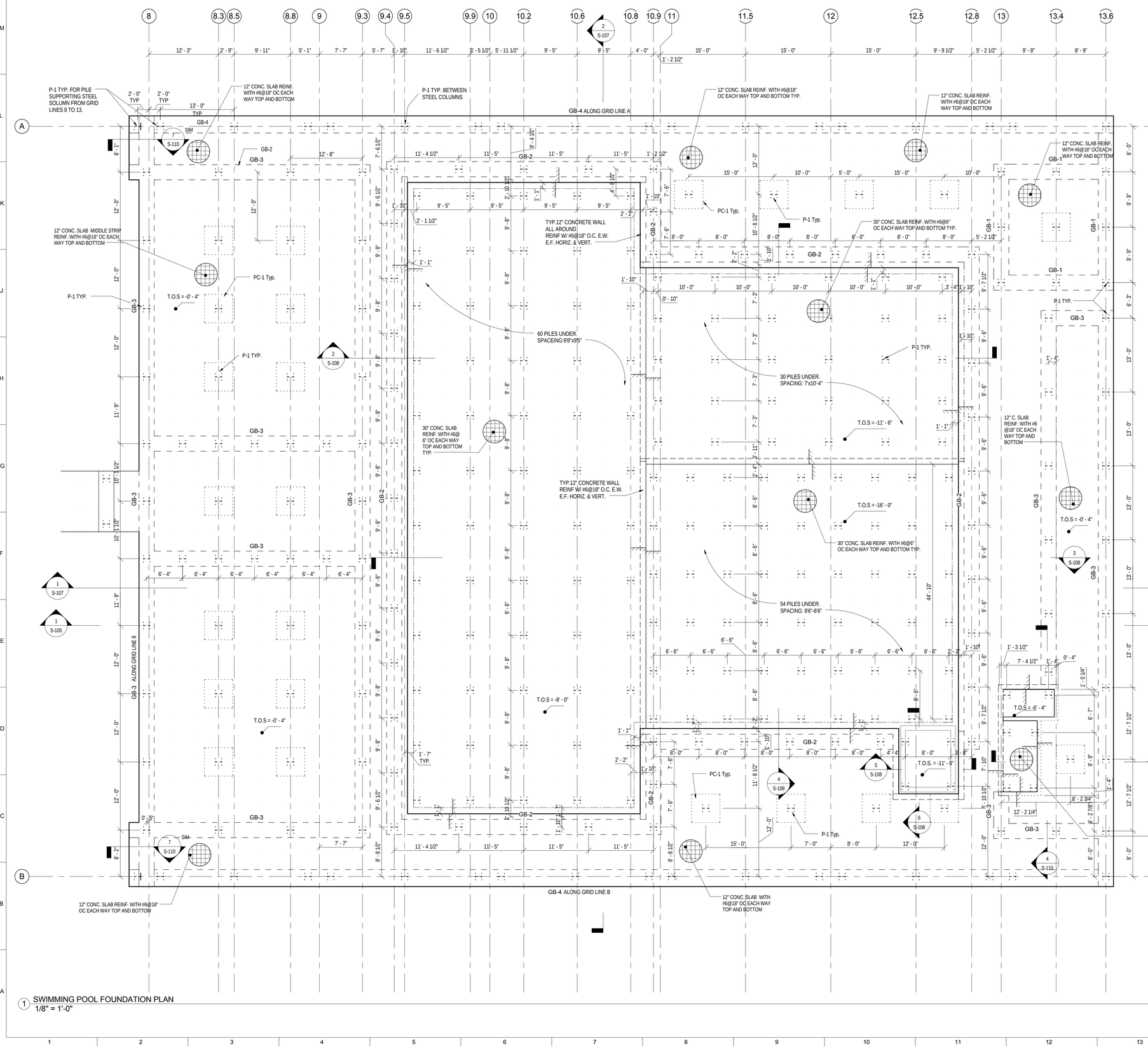

1 SWIMMING POOL FOUNDATION PLAN
1/8" = 1'-0"

PILE SCHEDULE			
PILE TYPE	PILE SIZE	EMBED. INTO CONC.	MIN. EMBED. INTO SOIL
P-1	HP14x117	14"	45'-0"

GRADE BEAM SCHEDULE						
Type	WIDTH	DEPTH	LONG. BOT. REINF.	LONG. TOP. REINF	TRANS. REINF	SIDE BAR
GB-1	2' - 8"	2' - 4"	8 #8	6 #8	#4@8"	
GB-2	2' - 8"	3' - 0"	10 #8	10 #8	#4@6"	2 #8 EACH.SIDE
GB-3	2' - 8"	3' - 4"	10 #8	12 #8	#4@6"	2 #8 EACH.SIDE
GB-4	3' - 0"	3' - 0"	10 #8	6 #8	#4@4"	2 #8 EACH.SIDE
GB-5	6' - 0"	2' - 4"	16 #8	12 #8	#4@8"	NONE
GB-6	1' - 10"	2' - 4"	8 #8	6 #8	#4@8"	NONE

PILE CAP SCHEDULE					
PILE CAP TYPE	WIDTH	LENGTH	THICKNESS	TOP REINF.	BOTTOM REINF.
PC-1	5'-0"	5'-0"	2'-6"	#10@4.5" O.C. E.W.	#10@4.5" O.C. E.W.

SPREAD FOOTING				
NAME	WIDTH	LENGTH	THICKNESS	BOTTOM REINF.
F-1	5' - 0"	5' - 0"	2' - 6"	#5@12" O.C. E.W.

LEGEND

FINISH FLOOR ELEVATION = 0'-0"
(SEE CIVIL DWGS FOR EQUIVALENT SURVEY ELEVATION)
T.O.S.=TOP OF CONCRETE SLAB
T.O.F.=TOP OF FOOTING
G.B. =GRADE BEAM
PC-X = PILE CAP "X"
P-X = PILE "X"
B.O.P. = BOTTOM OF PILE

: STEP
: REBAR INDICATOR
: BRACES

PILE FOUNDATION NOTES

a. FOUNDATION OF THE PROPOSED BUILDING SHALL BE STRUCTURAL CONCRETE SLAB SUPPORTED ON GRADE BEAMS, PILE CAPS & HP PILES
b. THE PILE INFORMATION IS AS FOLLOW:
TYPE: HP 14X117
CONNECTION TYPE: FIXED
LATERAL DEFLECTION: 1/2 INCH
SHEAR CAPACITY: 35K
COMPRESSION CAPACITY: 183K
TENSION CAPACITY: 34K
MOMENT CAPACITY: 158.33
FACTOR OF SAFETY: 2.0
MINIMUM EMBEDMENT: 45 FT (SEE SECTION)
c. ALL ASPECTS OF HP PILE INSTALLATION SHALL COMPLY WITH THE ACCEPTANCE CRITERIA FOR HP PILES PRESENTED IN THE FOLLOWING PARAGRAPHS:

- PILE INSTALLATION SHALL BE PERFORMED UNDER THE CONTINUOUS OBSERVATION OF GEOTECHNICAL ENGINEER OF RECORD TO CONFIRM THAT PILE INSTALLATION HAS BEEN PERFORMED AS RECOMMENDED HEREIN. THE CONTRACTOR SHALL PROVIDE NECESSARY FACILITIES AT HIS EXPENSE TO ACCOMMODATE PILE OBSERVATIONS
- A PILE INDICATOR PROGRAM SHALL BE CONDUCTED PRIOR TO MANUFACTURING OF PRODUCTION PILES. AS A MINIMUM, INDICATOR PILES SHALL BE DRIVEN NEAR EACH OF THE FOUR CORNERS OF THE PROPOSED BUILDING.
- A DRIVEABILITY ANALYSIS SHALL BE PERFORMED PRIOR TO OR AS PART OF THE PILE INDICATOR PROGRAM.
- AT LEAST THREE PILE LOAD TESTS SHALL BE PERFORMED FOR EACH TYPE OF PILE; ONE IN COMPRESSION, ONE IN TENSION AND ONE IN LATERAL

PER THE 2014 LABC, PILE LOAD TESTS IN COMPRESSION SHALL BE PERFORMED IN ACCORDANCE WITH ASTM D 1143. PILE LOAD TESTS IN TENSION SHALL BE PERFORMED IN ACCORDANCE WITH ASTM D 3689. PILE LATERAL LOAD TEST SHALL BE PREPARED IN ACCORDANCE WITH ASTM D3966.

BUREAU OF ENGINEERING
OFFICIAL RECORD

REGISTERED PROFESSIONAL ENGINEER
JUAN CARLOS ESQUIVEL
No. S 4074
Exp. 9-30-18
STRUCTURAL
STATE OF CALIFORNIA

JCE STRUCTURAL ENGINEERING GROUP, INC.
STRUCTURAL & EARTHQUAKE ENGINEERING CONSULTANTS
35 Hugus Alley, Suite 211, Pasadena, CA 91103 Tel: (626) 585-1822 Fax (626) 585-1824

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REVISION DATES (DESIGN STAGE ONLY)

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DEPARTMENT OF PUBLIC WORKS
BUREAU OF ENGINEERING
BID SET SUBMITTAL

NO. REVISIONS: DATE: BY:

BUILDING NO.

INDEX NO. RP 300094 - S

GARY LEE MOORE, PE, ENV SP CITY ENGINEER
DATE:
ENGINEER: JUAN CARLOS ESQUIVEL LIC. NO. S-4074
DESIGNED BY: W.X
DRAWN BY: W.X
CHECKED BY: J.C.E.
APPROVED BY:

SHEET TITLE: SWIMMING POOL FOUNDATION PLAN
PROJECT: RANCHO CIENEGA SPORTS COMPLEX
ADDRESS: 5001 RODEO ROAD LOS ANGELES, CA 90016

VERTICAL CONTROL:
HORIZONTAL CONTROL:

WORK ORDER NO. E1907694
PLAN FILE NO.
DRAWING NO. S-102
SHEET OF SHEETS

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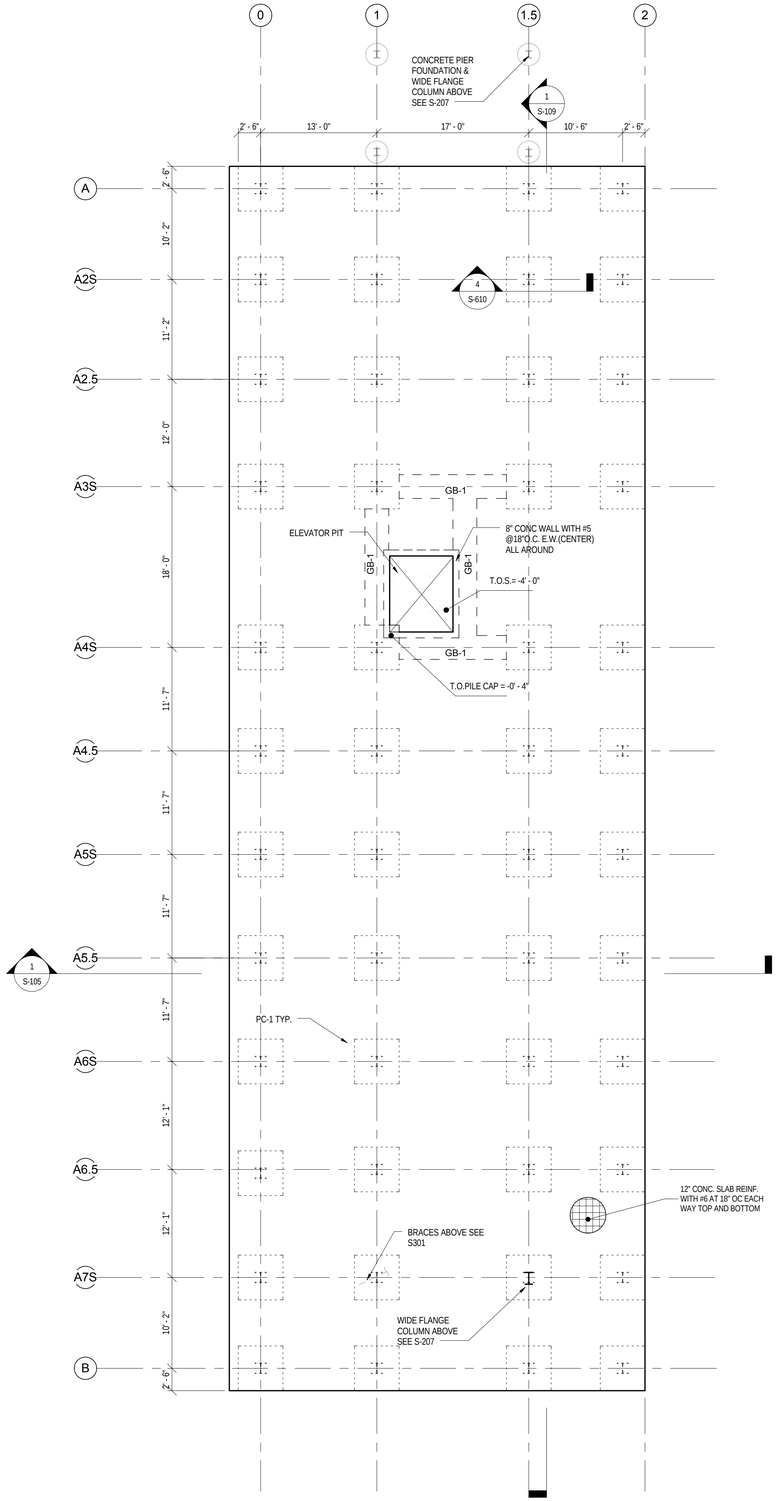
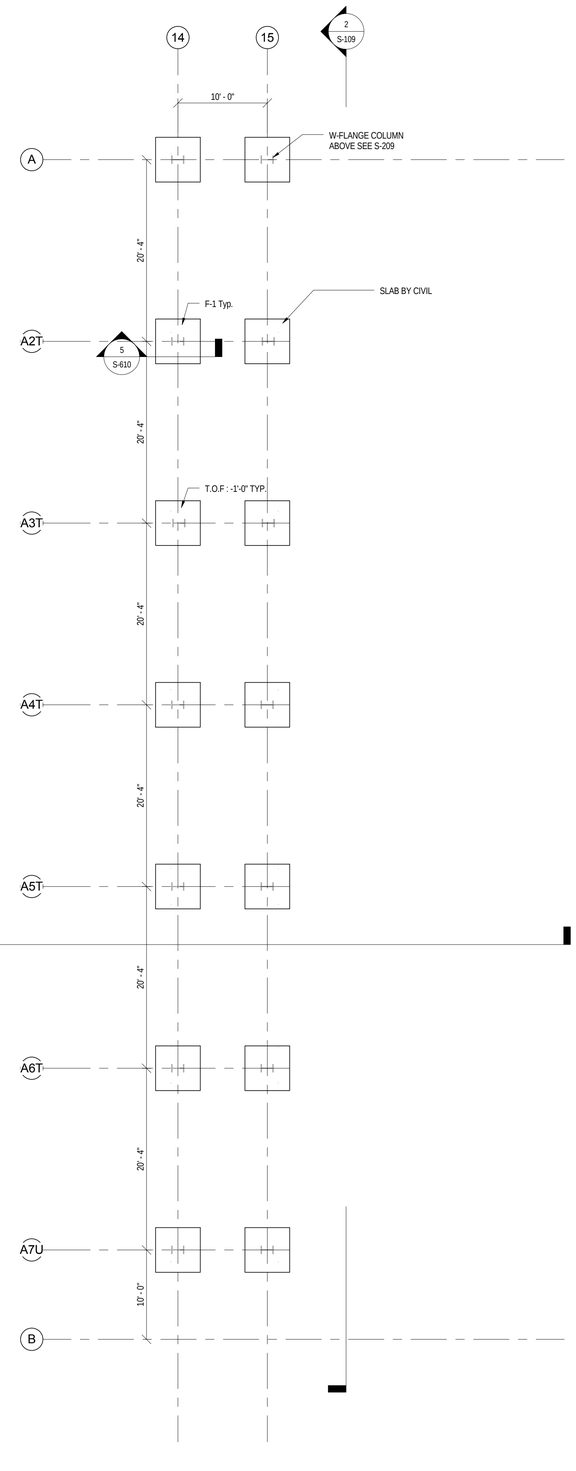


1 STADIUM CONCESSION FOUNDATION PLAN
1/8" = 1'-0"



2 TENNIS GRANDSTAND FOUNDATION PLAN
1/8" = 1'-0"

PILE SCHEDULE			
PILE TYPE	PILE SIZE	EMBED. INTO CONC.	MIN. EMBED. INTO SOIL
P-1	HP14x117	14"	45'-0"

GRADE BEAM SCHEDULE						
Type	WIDTH	DEPTH	LONG. BOT. REINF.	LONG. TOP. REINF	TRANS. REINF	SIDE BAR
GB-1	2' - 8"	2' - 4"	8 #8	6 #8	#4@8"	
GB-2	2' - 8"	3' - 0"	10 #8	10 #8	#4@6"	2 #8 EACH.SIDE
GB-3	2' - 8"	3' - 4"	10 #8	12 #8	#4@6"	2 #8 EACH.SIDE
GB-4	3' - 0"	3' - 0"	10 #8	6 #8	#4@4"	2 #8 EACH.SIDE
GB-5	6' - 0"	2' - 4"	16 #8	12 #8	#4@8"	NONE
GB-6	1' - 10"	2' - 4"	8 #8	6 #8	#4@8"	NONE

PILE CAP SCHEDULE					
PILE CAP TYPE	WIDTH	LENGTH	THICKNESS	TOP REINF.	BOTTOM REINF.
PC-1	5'-0"	5'-0"	2'-6"	#10@4.5" O.C. E.W.	#10@4.5" O.C. E.W.

SPREAD FOOTING				
NAME	WIDTH	LENGTH	THICKNESS	BOTTOM REINF.
F-1	5' - 0"	5' - 0"	2' - 6"	#5@12" O.C. E.W.

LEGEND

FINISH FLOOR ELEVATION = 0'-0"
(SEE CIVIL DWGS FOR EQUIVALENT SURVEY ELEVATION)
T.O.S.=TOP OF CONCRETE SLAB
T.O.F.=TOP OF FOOTING
G.B. =GRADE BEAM
PC-X = PILE CAP "X"
P-X = PILE "X"
B.O.P. = BOTTOM OF PILE

: STEP
: REBAR INDICATOR
: BRACES

PILE FOUNDATION NOTES

a. FOUNDATION OF THE PROPOSED BUILDING SHALL BE STRUCTURAL CONCRETE SLAB SUPPORTED ON GRADE BEAMS, PILE CAPS & HP PILES
b. THE PILE INFORMATION IS AS FOLLOW:
   TYPE: HP 14X117
   CONNECTION TYPE: FIXED
   LATERAL DEFLECTION: 1/2 INCH
   SHEAR CAPACITY: 35K
   COMPRESSION CAPACITY: 183K
   TENSION CAPACITY: 34K
   MOMENT CAPACITY: 158.33
   FACTOR OF SAFETY: 2.0
   MINIMUM EMBEDMENT: 45 FT (SEE SECTION)
c. ALL ASPECTS OF HP PILE INSTALLATION SHALL COMPLY WITH THE ACCEPTANCE CRITERIA FOR HP PILES PRESENTED IN THE FOLLOWING PARAGRAPHS:

- PILE INSTALLATION SHALL BE PERFORMED UNDER THE CONTINUOUS OBSERVATION OF GEOTECHNICAL ENGINEER OF RECORD TO CONFIRM THAT PILE INSTALLATION HAS BEEN PERFORMED AS RECOMMENDED HEREIN. THE CONTRACTOR SHALL PROVIDE NECESSARY FACILITIES AT HIS EXPENSE TO ACCOMMODATE PILE OBSERVATIONS
- A PILE INDICATOR PROGRAM SHALL BE CONDUCTED PRIOR TO MANUFACTURING OF PRODUCTION PILES. AS A MINIMUM, INDICATOR PILES SHALL BE DRIVEN NEAR EACH OF THE FOUR CORNERS OF THE PROPOSED BUILDING.
- A DRIVEABILITY ANALYSIS SHALL BE PERFORMED PRIOR TO OR AS PART OF THE PILE INDICATOR PROGRAM.
- AT LEAST THREE PILE LOAD TESTS SHALL BE PERFORMED FOR EACH TYPE OF PILE; ONE IN COMPRESSION, ONE IN TENSION AND ONE IN LATERAL
- PER THE 2014 LABC, PILE LOAD TESTS IN COMPRESSION SHALL BE PERFORMED IN ACCORDANCE WITH ASTM D 1143. PILE LOAD TESTS IN TENSION SHALL BE PERFORMED IN ACCORDANCE WITH ASTM D 3689. PILE LATERAL LOAD TEST SHALL BE PREPARED IN ACCORDANCE WITH ASTM D3966.

BUREAU OF ENGINEERING
OFFICIAL RECORD

JCE STRUCTURAL ENGINEERING GROUP, INC.
STRUCTURAL & EARTHQUAKE ENGINEERING CONSULTANTS
35 Hugus Alley, Suite 211, Pasadena, CA 91103 Tel: (626) 585-1822 Fax (626) 585-1824

BUREAU OF ENGINEERING
NO. | REVISIONS: | DATE: | BY:
BUILDING NO.
INDEX NO. RP 300094 - -

REGISTERED PROFESSIONAL ENGINEER
JUAN CARLOS ESQUIVEL
No. S 4074
Exp. 9-30-18
STRUCTURAL
STATE OF CALIFORNIA

CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS
BID SET SUBMITTAL

GARY LEE MOORE, PE, ENV SP CITY ENGINEER
ARCHITECTURAL DIVISION LIC. NO. S-4074
ENGINEER: JUAN CARLOS ESQUIVEL DATE:
DESIGNED BY: W.X
DRAWN BY: W.X
CHECKED BY: J.C.E.
APPROVED BY:

VERTICAL CONTROL:
HORIZONTAL CONTROL:
SHEET TITLE: STADIUM CONCESSIONS & TENNIS GRANDSTAND FOUNDATION PLANS
PROJECT: RANCHO CIENEGA SPORTS COMPLEX
ADDRESS: 5001 RODEO ROAD LOS ANGELES, CA 90016

WORK ORDER NO. E1907694
PLAN FILE NO.
DRAWING NO. S-103
SHEET OF SHEETS

12/13/2016 4:20:19 PM

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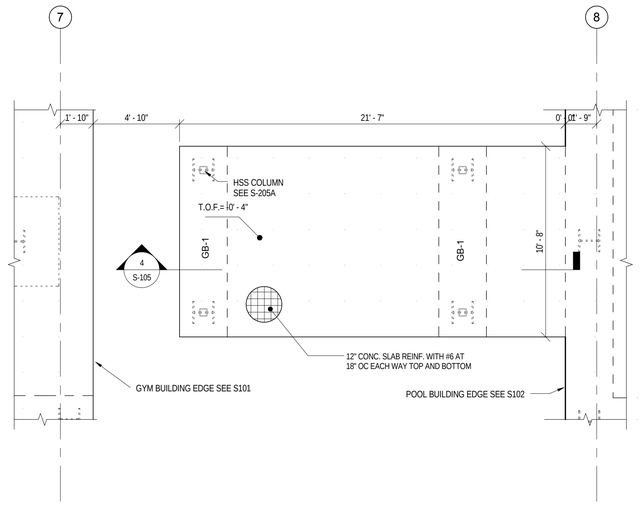
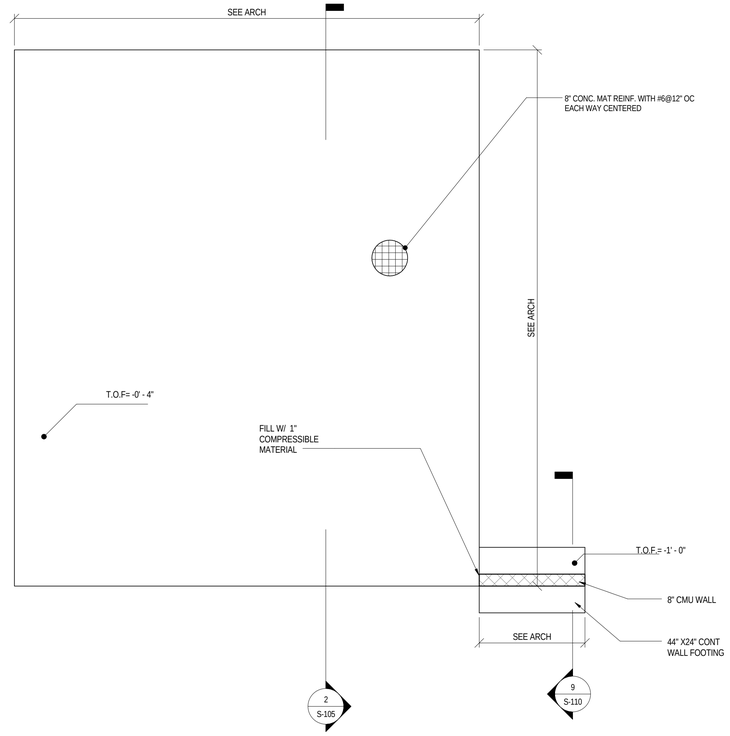


1 BRIDGE FOUNDATION PLAN
1/4" = 1'-0"



2 BATHROOM FOUNDATION PLAN
1/4" = 1'-0"

PILE SCHEDULE			
PILE TYPE	PILE SIZE	EMBED. INTO CONC.	MIN. EMBED. INTO SOIL
P-1	HP14x117	14"	45'-0"

PILE CAP SCHEDULE					
PILE CAP TYPE	WIDTH	LENGTH	THICKNESS	TOP REINF.	BOTTOM REINF.
PC-1	5'-0"	5'-0"	2'-6"	#10@4.5" O.C. E.W.	#10@4.5" O.C. E.W.

SPREAD FOOTING				
NAME	WIDTH	LENGTH	THICKNESS	BOTTOM REINF.
F-1	5' - 0"	5' - 0"	2' - 6"	#5@12" O.C. E.W.

GRADE BEAM SCHEDULE						
Type	WIDTH	DEPTH	LONG. BOT. REINF.	LONG. TOP. REINF	TRANS. REINF	SIDE BAR
GB-1	2' - 8"	2' - 4"	8 #8	6 #8	#4@8"	
GB-2	2' - 8"	3' - 0"	10 #8	10 #8	#4@6"	2 #8 EACH.SIDE
GB-3	2' - 8"	3' - 4"	10 #8	12 #8	#4@6"	2 #8 EACH.SIDE
GB-4	3' - 0"	3' - 0"	10 #8	6 #8	#4@4"	2 #8 EACH.SIDE
GB-5	6' - 0"	2' - 4"	16 #8	12 #8	#4@8"	NONE
GB-6	1' - 10"	2' - 4"	8 #8	6 #8	#4@8"	NONE

LEGEND

FINISH FLOOR ELEVATION = 0'-0"
(SEE CIVIL DWGS FOR EQUIVALENT SURVEY ELEVATION)
T.O.S.=TOP OF CONCRETE SLAB
T.O.F.=TOP OF FOOTING
G.B. =GRADE BEAM
PC-X = PILE CAP "X"
P-X = PILE "X"
B.O.P. = BOTTOM OF PILE

: STEP
: REBAR INDICATOR
: BRACES

PILE FOUNDATION NOTES

a. FOUNDATION OF THE PROPOSED BUILDING SHALL BE STRUCTURAL CONCRETE SLAB SUPPORTED ON GRADE BEAMS, PILE CAPS & HP PILES
b. THE PILE INFORMATION IS AS FOLLOW:
TYPE: HP 14X117
CONNECTION TYPE: FIXED
LATERAL DEFLECTION: 1/2 INCH
SHEAR CAPACITY: 35K
COMPRESSION CAPACITY: 183K
TENSION CAPACITY: 34K
MOMENT CAPACITY: 158.33
FACTOR OF SAFETY: 2.0
MINIMUM EMBEDMENT: 45 FT (SEE SECTION)
c. ALL ASPECTS OF HP PILE INSTALLATION SHALL COMPLY WITH THE ACCEPTANCE CRITERIA FOR HP PILES PRESENTED IN THE FOLLOWING PARAGRAPHS:

- PILE INSTALLATION SHALL BE PERFORMED UNDER THE CONTINUOUS OBSERVATION OF GEOTECHNICAL ENGINEER OF RECORD TO CONFIRM THAT PILE INSTALLATION HAS BEEN PERFORMED AS RECOMMENDED HEREIN. THE CONTRACTOR SHALL PROVIDE NECESSARY FACILITIES AT HIS EXPENSE TO ACCOMMODATE PILE OBSERVATIONS
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REVISION DATES (DESIGN STAGE ONLY)

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BUILDING NO.
RP 300094
INDEX NO. -

REGISTERED PROFESSIONAL ENGINEER
JUAN CARLOS ESQUIVEL
No. S 4074
Exp. 9-30-18
STRUCTURAL
STATE OF CALIFORNIA

CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS
BID SET SUBMITTAL

GARY LEE MOORE, PE., ENV SP CITY ENGINEER
ARCHITECTURAL DIVISION LIC. NO. S-4074
ENGINEER: JUAN CARLOS ESQUIVEL DATE:
DESIGNED BY: Designer
DRAWN BY: Author
CHECKED BY: Checker
APPROVED BY:

VERTICAL CONTROL:
HORIZONTAL CONTROL:
SHEET TITLE: BATHROOM & BRIDGE FOUNDATION PLAN
PROJECT: RANCHO CIENEGA SPORTS COMPLEX
ADDRESS: 5001 RODEO ROAD
LOS ANGELES, CA 90016

WORK ORDER NO. E1907694
PLAN FILE NO.
DRAWING NO. S-104
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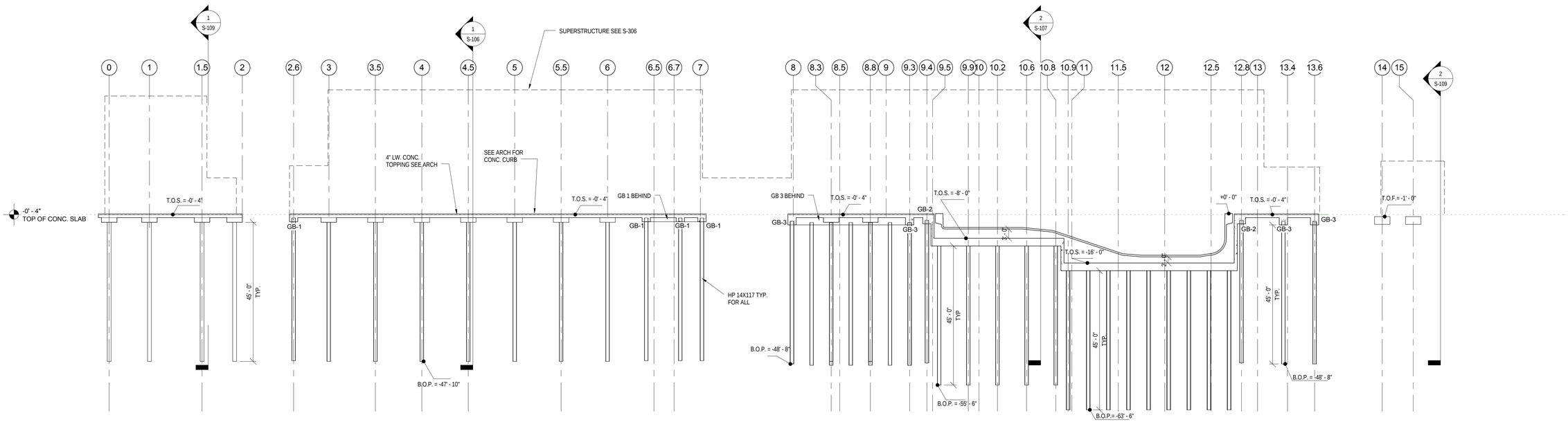
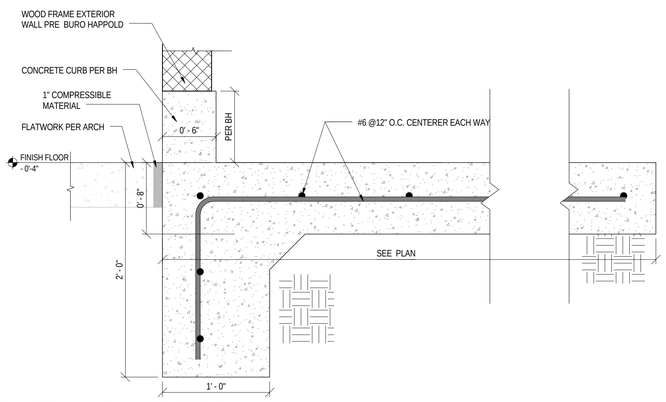
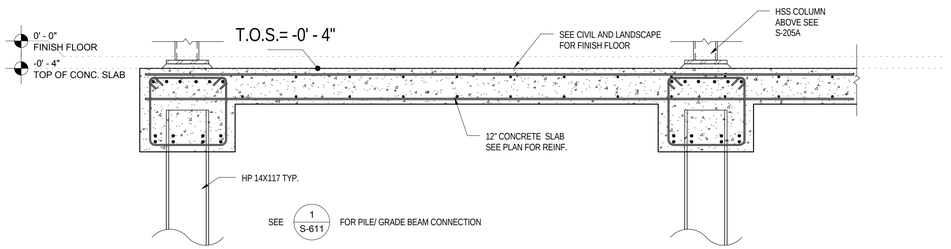


1 LONGITUDINAL SECTION
1/16" = 1'-0"



2 BATHROOM MAT FOUNDATION SECTION



4 BRIDGE FOUNDATION SECTION
1/2" = 1'-0"

LEGEND

FINISH FLOOR ELEVATION = 0'-0"
(SEE CIVIL DWGS FOR EQUIVALENT
SURVEY ELEVATION)
T.O.S.=TOP OF CONCRETE SLAB
T.O.F.=TOP OF FOOTING
G.B. =GRADE BEAM
PC-X = PILE CAP "X"
P-X = PILE "X"
B.O.P. = BOTTOM OF PILE

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BUILDING NO.

INDEX NO. RP 300094 - -

REGISTERED PROFESSIONAL ENGINEER
JUAN CARLOS ESQUIVEL
No. S 4074
Exp. 9-30-18
STRUCTURAL
STATE OF CALIFORNIA

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CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS

GARY LEE MOORE, PE, ENV SP CITY ENGINEER
ARCHITECTURAL DIVISION
ENGINEER: JUAN CARLOS ESQUIVEL LIC. NO. S-4074 DATE:
DESIGNED BY: W.X
DRAWN BY: W.X
CHECKED BY: J.C.E.
APPROVED BY:

VERTICAL CONTROL:
HORIZONTAL CONTROL:

SHEET TITLE: FOUNDATION SECTIONS - LONGITUDINAL

PROJECT: RANCHO CIENEGA SPORTS COMPLEX

ADDRESS: 5001 RODEO ROAD
LOS ANGELES, CA 90016

WORK ORDER NO. E1907694
PLAN FILE NO.
DRAWING NO. S-105
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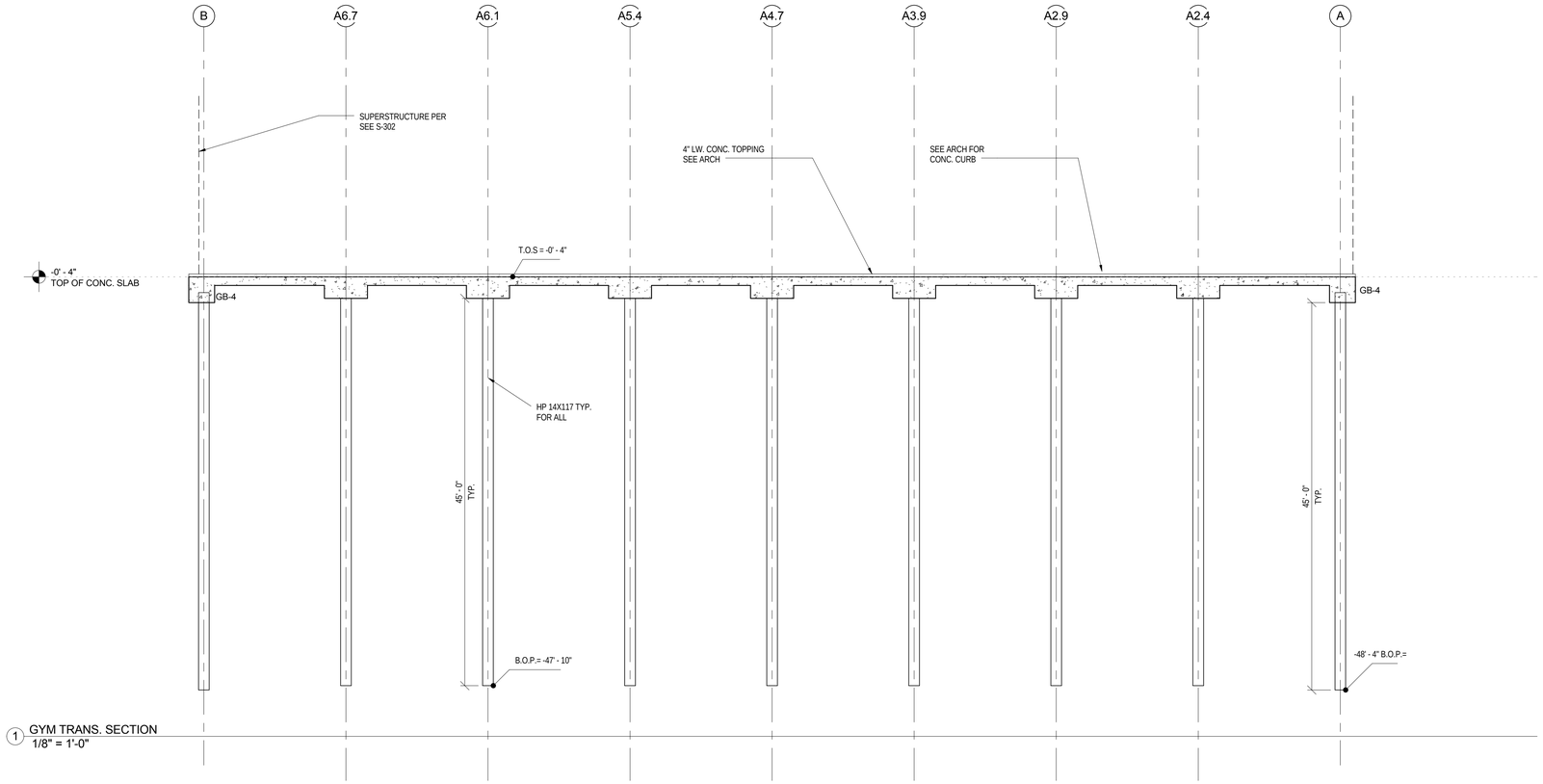
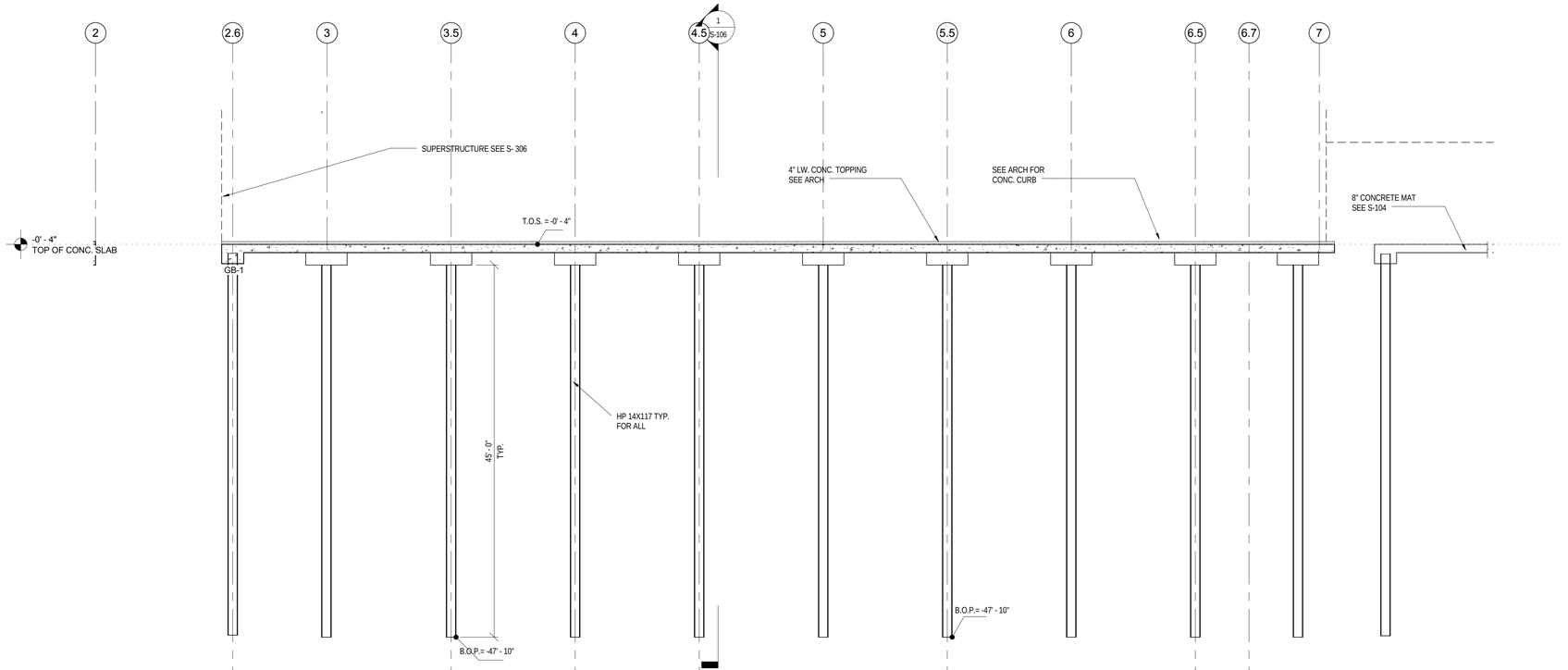


1 GYM TRANS. SECTION
1/8" = 1'-0"



2 GYM LONG. SECTION
1/8" = 1'-0"

PILE SCHEDULE			
PILE TYPE	PILE SIZE	EMBED. INTO CONC.	MIN. EMBED. INTO SOIL
P-1	HP14x117	14"	45'-0"

GRADE BEAM SCHEDULE						
Type	WIDTH	DEPTH	LONG. BOT. REINF.	LONG. TOP. REINF	TRANS. REINF	SIDE BAR
GB-1	2' - 8"	2' - 4"	8 #8	6 #8	#4@8"	
GB-2	2' - 8"	3' - 0"	10 #8	10 #8	#4@6"	2 #8 EACH.SIDE
GB-3	2' - 8"	3' - 4"	10 #8	12 #8	#4@6"	2 #8 EACH.SIDE
GB-4	3' - 0"	3' - 0"	10 #8	6 #8	#4@4"	2 #8 EACH.SIDE
GB-5	6' - 0"	2' - 4"	16 #8	12 #8	#4@8"	NONE
GB-6	1' - 10"	2' - 4"	8 #8	6 #8	#4@8"	NONE

PILE CAP SCHEDULE					
PILE CAP TYPE	WIDTH	LENGTH	THICKNESS	TOP REINF.	BOTTOM REINF.
PC-1	5'-0"	5'-0"	2'-6"	#10@4.5" O.C. E.W.	#10@4.5" O.C. E.W.

SPREAD FOOTING				
NAME	WIDTH	LENGTH	THICKNESS	BOTTOM REINF.
F-1	5' - 0"	5' - 0"	2' - 6"	#5@12" O.C. E.W.

LEGEND

FINISH FLOOR ELEVATION = 0'-0"
(SEE CIVIL DWGS FOR EQUIVALENT SURVEY ELEVATION)
T.O.S.=TOP OF CONCRETE SLAB
T.O.F.=TOP OF FOOTING
G.B. =GRADE BEAM
PC-X = PILE CAP "X"
P-X = PILE "X"
B.O.P. = BOTTOM OF PILE

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INDEX NO. RP 300094 -

REGISTERED PROFESSIONAL ENGINEER
JUAN CARLOS ESQUIVEL
No. S 4074
Exp. 9-30-18
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STATE OF CALIFORNIA

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CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS

GARY LEE MOORE, PE, ENV SP CITY ENGINEER
ARCHITECTURAL DIVISION

ENGINEER: JUAN CARLOS ESQUIVEL LIC. NO. S-4074
DESIGNED BY: W.X
DRAWN BY: W.X
CHECKED BY: J.C.E.
APPROVED BY:

VERTICAL CONTROL:
HORIZONTAL CONTROL:

SHEET TITLE: FOUNDATION SECTIONS - GYM

PROJECT: RANCHO CIENEGA SPORTS COMPLEX

ADDRESS: 5001 RODEO ROAD
LOS ANGELES, CA 90016

WORK ORDER NO. E1907694
PLAN FILE NO.
DRAWING NO. S-106
SHEET OF SHEETS

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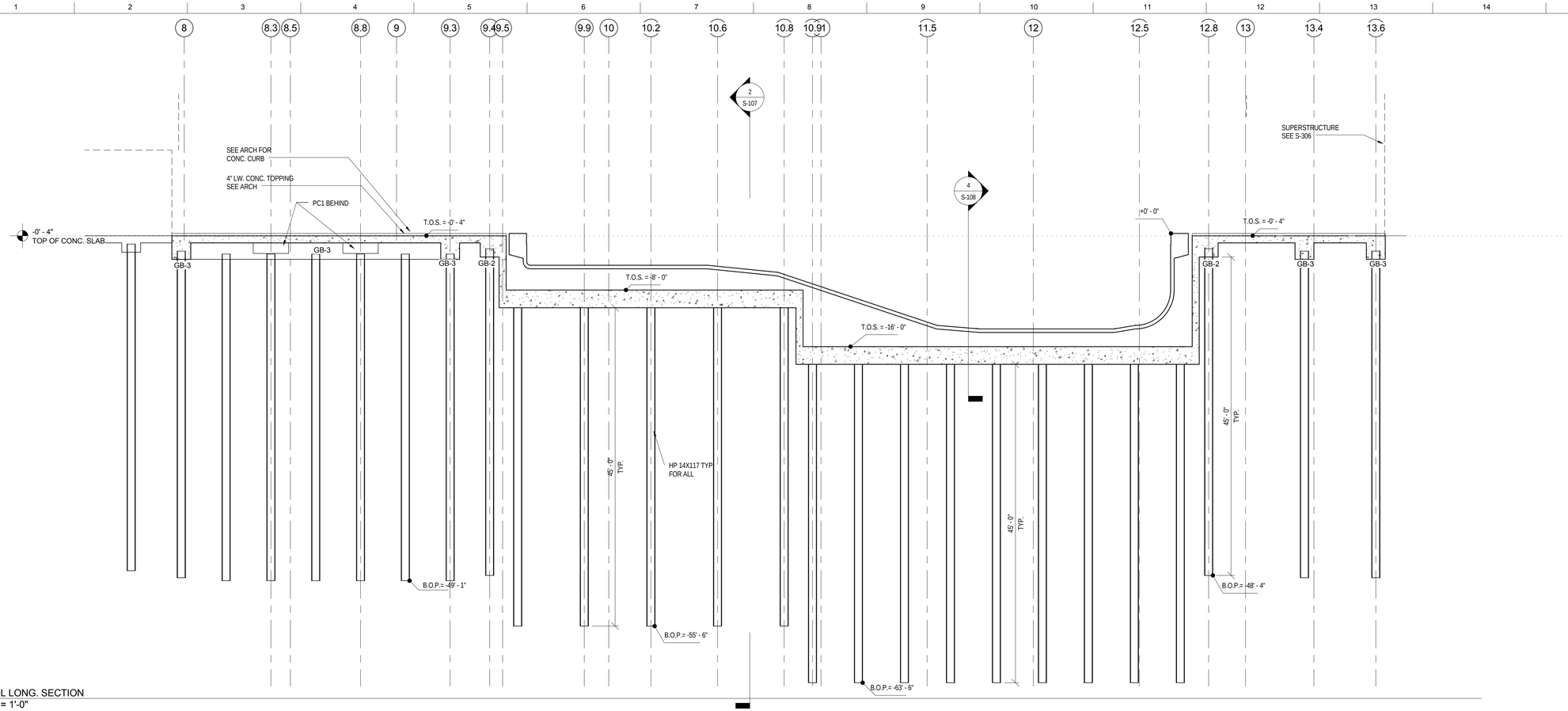
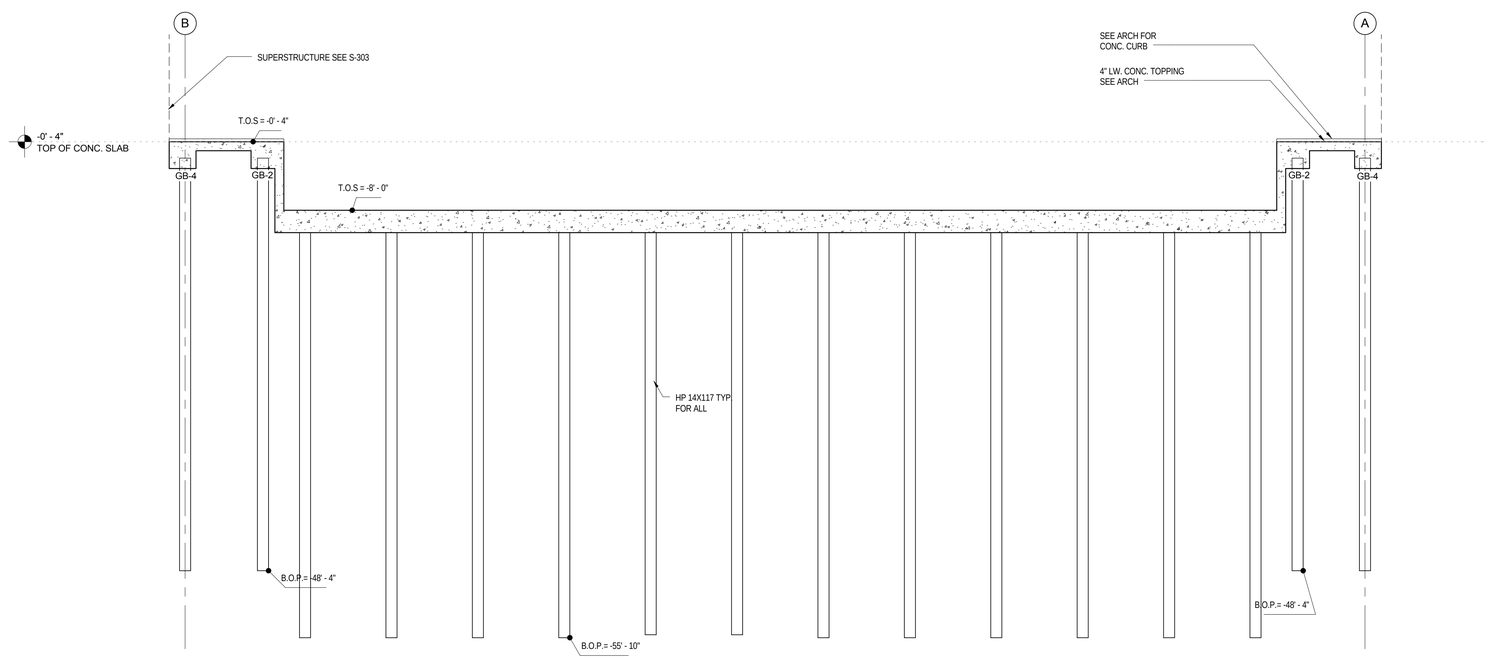


1 POOL LONG. SECTION
1/8" = 1'-0"



2 POOL TRANS. SECTION
1/8" = 1'-0"

LEGEND

FINISH FLOOR ELEVATION = 0'-0"
(SEE CIVIL DWGS FOR EQUIVALENT SURVEY ELEVATION)
T.O.S.=TOP OF CONCRETE SLAB
T.O.F.=TOP OF FOOTING
G.B. =GRADE BEAM
PC.V = PILE CAP "X"
P.X = PILE "X"
B.O.P. = BOTTOM OF PILE

REGISTERED PROFESSIONAL ENGINEER
JUAN CARLOS ESQUIVEL
No. S 4074
Exp. 9-30-18
STRUCTURAL
STATE OF CALIFORNIA

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GARY LEE MOORE, PE, ENV SP CITY ENGINEER

ARCHITECTURAL DIVISION

ENGINEER: JUAN CARLOS ESQUIVEL LIC. NO. S-4074

DESIGNED BY: W.X
DRAWN BY: W.X
CHECKED BY: J.C.E.
APPROVED BY:

SHEET TITLE: FOUNDATION SECTIONS - POOL

PROJECT: RANCHO CIENEGA SPORTS COMPLEX

ADDRESS: 5001 RODEO ROAD
LOS ANGELES, CA 90016

VERTICAL CONTROL:
HORIZONTAL CONTROL:

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INDEX NO. - RP 300094

WORK ORDER NO.
E1907694

PLAN FILE NO.

DRAWING NO.
S-107

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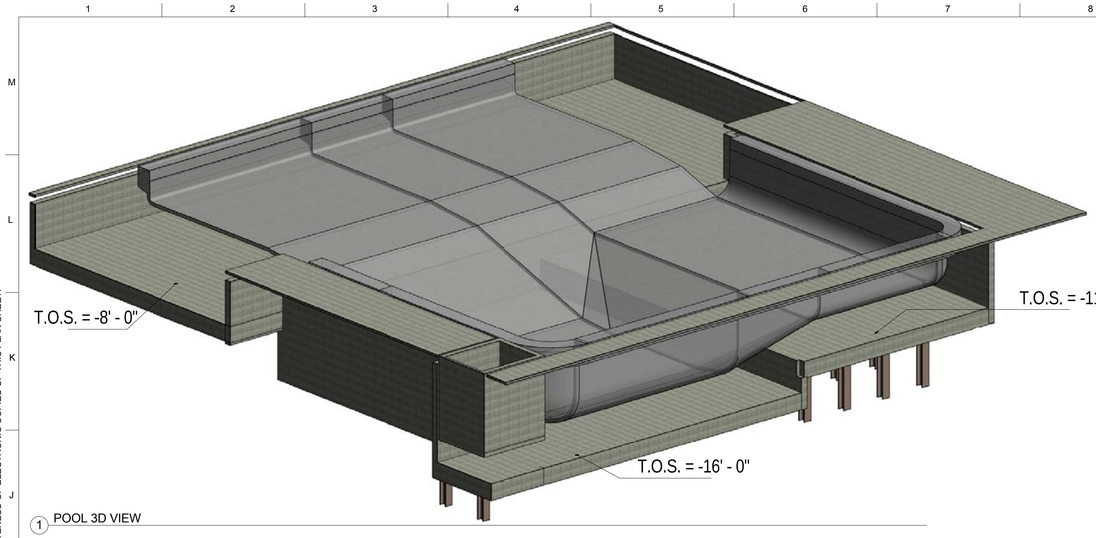
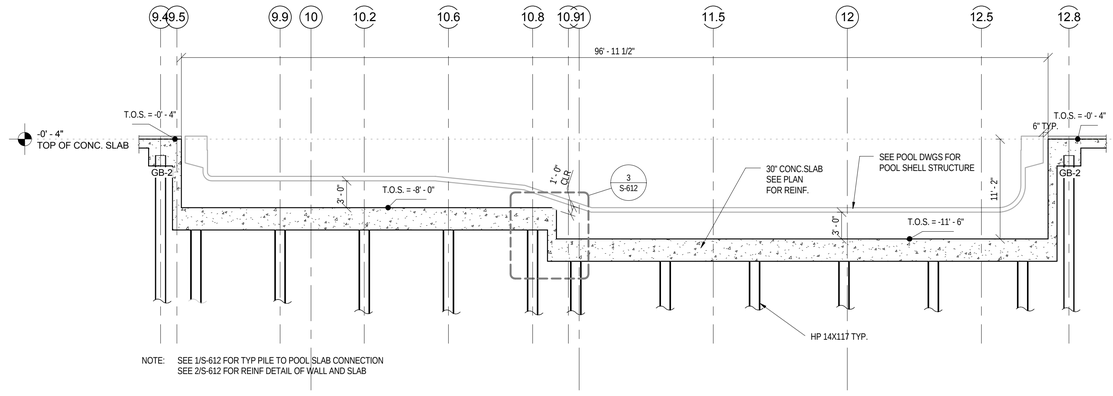
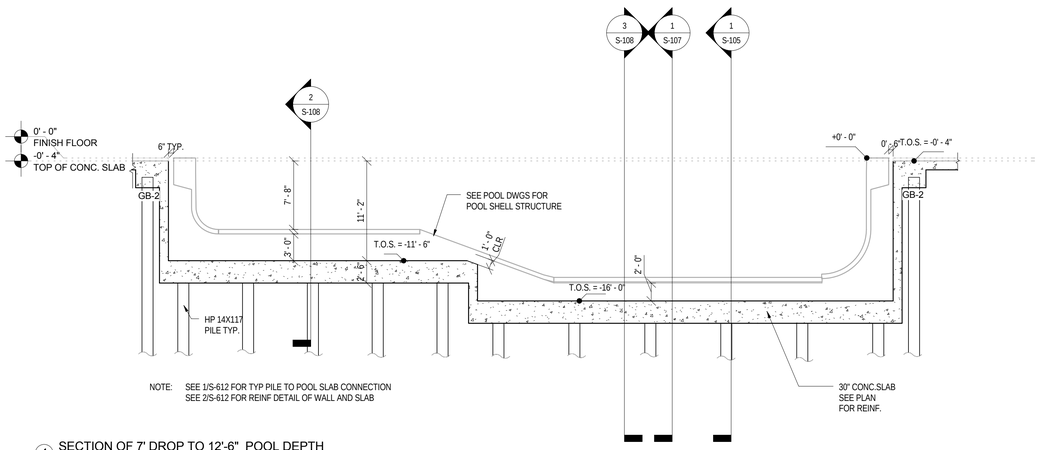


1 POOL 3D VIEW



NOTE: SEE 1/S-612 FOR TYP PILE TO POOL SLAB CONNECTION
SEE 2/S-612 FOR REINF DETAIL OF WALL AND SLAB

2 SECTION OF 3'-6" DROP TO 7' POOL DEPTH
1/8" = 1'-0"



NOTE: SEE 1/S-612 FOR TYP PILE TO POOL SLAB CONNECTION
SEE 2/S-612 FOR REINF DETAIL OF WALL AND SLAB

4 SECTION OF 7' DROP TO 12'-6" POOL DEPTH
1/8" = 1'-0"

NOTE: SEE 2/S-612 FOR REINF DETAIL OF WALL AND SLAB

5 SURGE TANK SECTION E-W
1/4" = 1'-0"

NOTE: SEE 2/S-612 FOR REINF DETAIL OF WALL AND SLAB

6 SURGE TANK SECTION N-S
1/4" = 1'-0"

NOTE: SEE 1/S-612 FOR TYP PILE TO POOL SLAB CONNECTION
SEE 2/S-612 FOR REINF DETAIL OF WALL AND SLAB

3 SECTION OF 3'-6" DROP TO 12'-6" POOL DEPTH
1/8" = 1'-0"

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CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS BUREAU OF ENGINEERING

NO. | REVISIONS: | DATE: | BY:

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INDEX NO. - RP 300094

REGISTERED PROFESSIONAL ENGINEER
JUAN CARLOS ESQUIVEL
No. S 4074
Exp. 9-30-18
STRUCTURAL
STATE OF CALIFORNIA

CITY ENGINEER
DATE:

GARY LEE MOORE, PE, ENV SP
ARCHITECTURAL DIVISION
LIC. NO. S-4074

ENGINEER: JUAN CARLOS ESQUIVEL
DESIGNED BY: W.X
DRAWN BY: W.X
CHECKED BY: J.C.E.
APPROVED BY:

VERTICAL CONTROL:
HORIZONTAL CONTROL:

SHEET TITLE: FOUNDATION SECTION - POOL II

PROJECT: RANCHO CIENEGA SPORTS COMPLEX

ADDRESS: 5001 RODEO ROAD
LOS ANGELES, CA 90016

WORK ORDER NO. E1907694
PLAN FILE NO.
DRAWING NO. S-108
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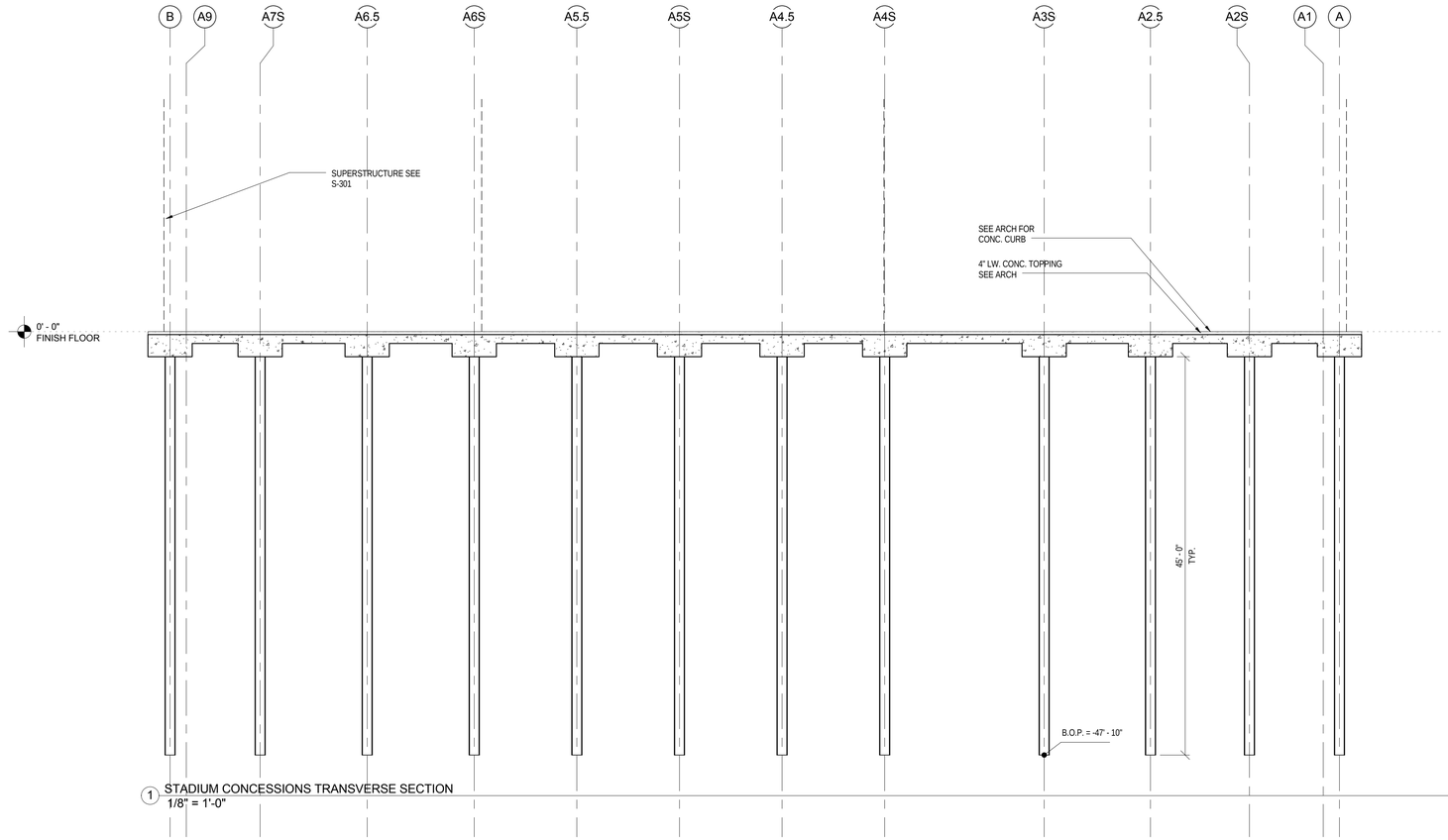
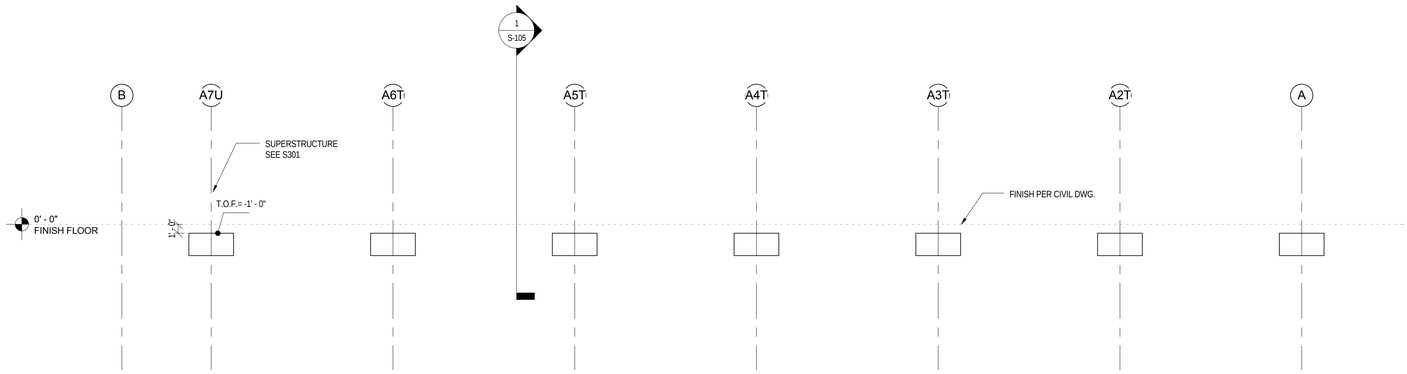


1 STADIUM CONCESSIONS TRANSVERSE SECTION
1/8" = 1'-0"



2 TENNIS GRANDSTAND TRANS. SECTION
1/8" = 1'-0"

LEGEND

FINISH FLOOR ELEVATION = 0'-0"
(SEE CIVIL DWGS FOR EQUIVALENT SURVEY ELEVATION)
T.O.S.=TOP OF CONCRETE SLAB
T.O.F.=TOP OF FOOTING
G.B. =GRADE BEAM
PC-X = PILE CAP "X"
P-X = PILE "X"
B.O.P. = BOTTOM OF PILE

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JUAN CARLOS ESQUIVEL
No. S 4074
Exp. 9-30-18
STRUCTURAL
STATE OF CALIFORNIA

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CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS

CITY ENGINEER
GARY LEE MOORE, PE, ENV SP
DATE:

ARCHITECTURAL DIVISION
ENGINEER: JUAN CARLOS ESQUIVEL LIC. NO. S-4074
DESIGNED BY: W.X
DRAWN BY: W.X
CHECKED BY: J.C.E.
APPROVED BY:

VERTICAL CONTROL:
HORIZONTAL CONTROL:
SHEET TITLE: FOUNDATION SECTIONS - STADIUM CONCESSIONS & TENNIS GRANDSTAND
PROJECT: RANCHO CIENEGA SPORTS COMPLEX
ADDRESS: 5001 RODEO ROAD LOS ANGELES, CA 90016

BUREAU OF ENGINEERING
OFFICIAL RECORD

JCE STRUCTURAL ENGINEERING GROUP, INC.
STRUCTURAL & EARTHQUAKE ENGINEERING CONSULTANTS
35 Hugus Alley, Suite 211, Pasadena, CA 91103 Tel: (626) 585-1822 Fax (626) 585-1824

WORK ORDER NO. E1907694
PLAN FILE NO.
DRAWING NO. S-109
SHEET OF SHEETS

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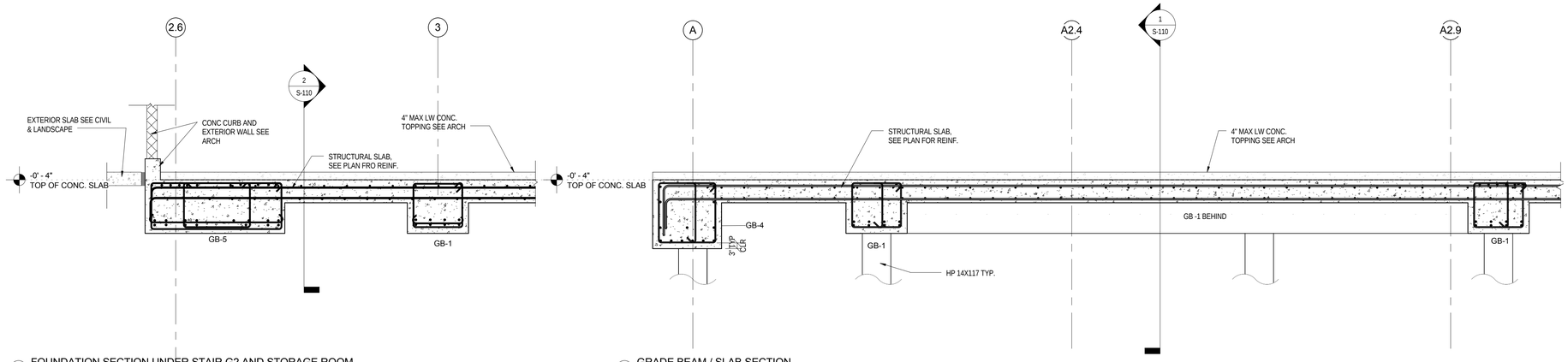
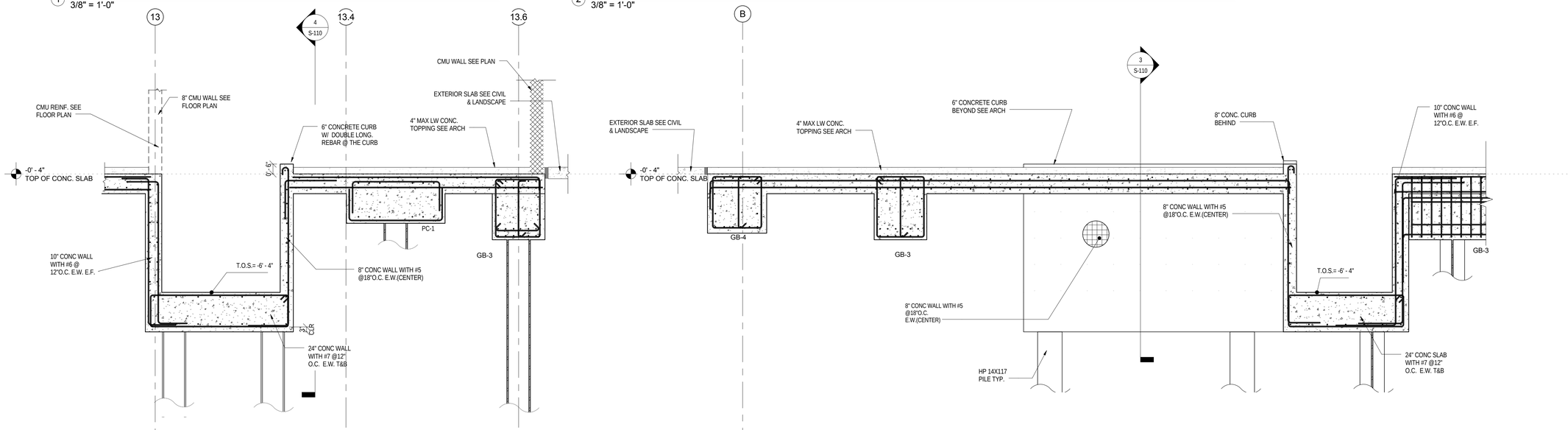


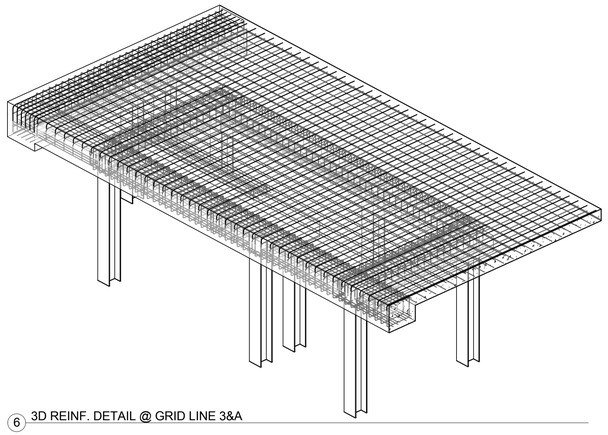
1 FOUNDATION SECTION UNDER STAIR G2 AND STORAGE ROOM
3/8" = 1'-0"

2 GRADE BEAM / SLAB SECTION
3/8" = 1'-0"

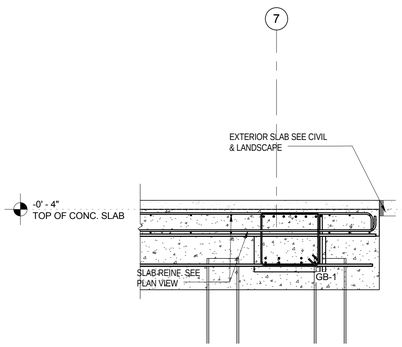


3 E-W SECTION OF BACKWASH SECTION
3/8" = 1'-0"

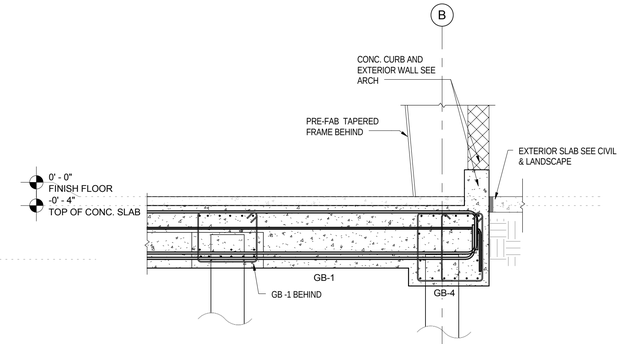
4 N-S SECTION OF BACKWASH PIT
3/8" = 1'-0"



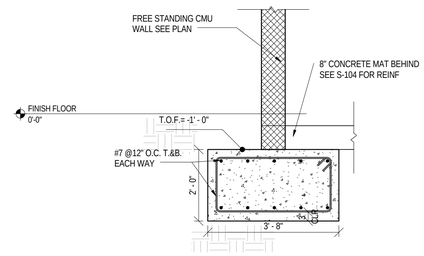
6 3D REINF. DETAIL @ GRID LINE 3&A



7 SLAB OVER HANG SECTION
3/8" = 1'-0"



8 GB-1 TO GB-4 SECTION
3/8" = 1'-0"



9 CMU WALL FOOTING SECTION
1/2" = 1'-0"

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STRUCTURAL & EARTHQUAKE ENGINEERING CONSULTANTS
35 Hugus Alley, Suite 211, Pasadena, CA 91103 Tel: (626) 585-1822 Fax (626) 585-1824

REGISTERED PROFESSIONAL ENGINEER
JUAN CARLOS ESQUIVEL
No. S 4074
Exp. 9-30-18
STRUCTURAL
STATE OF CALIFORNIA

BUREAU OF ENGINEERING
NO. | REVISIONS: | DATE: | BY:

BUILDING NO.

INDEX NO. RP 300094 -

BID SET SUBMITTAL

CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS

GARY LEE MOORE, PE, ENV SP CITY ENGINEER

ARCHITECTURAL DIVISION LIC. NO. S-4074 DATE:

ENGINEER: JUAN CARLOS ESQUIVEL DESIGNED BY: W.X DRAWN BY: W.X CHECKED BY: J.C.E. APPROVED BY:

VERTICAL CONTROL:
HORIZONTAL CONTROL:

SHEET TITLE: FOUNDATION DETAILED SECTION

PROJECT: RANCHO CIENEGA SPORTS COMPLEX

ADDRESS: 5001 RODEO ROAD LOS ANGELES, CA 90016

WORK ORDER NO. E1907694

PLAN FILE NO.

DRAWING NO. S-110

SHEET OF SHEETS

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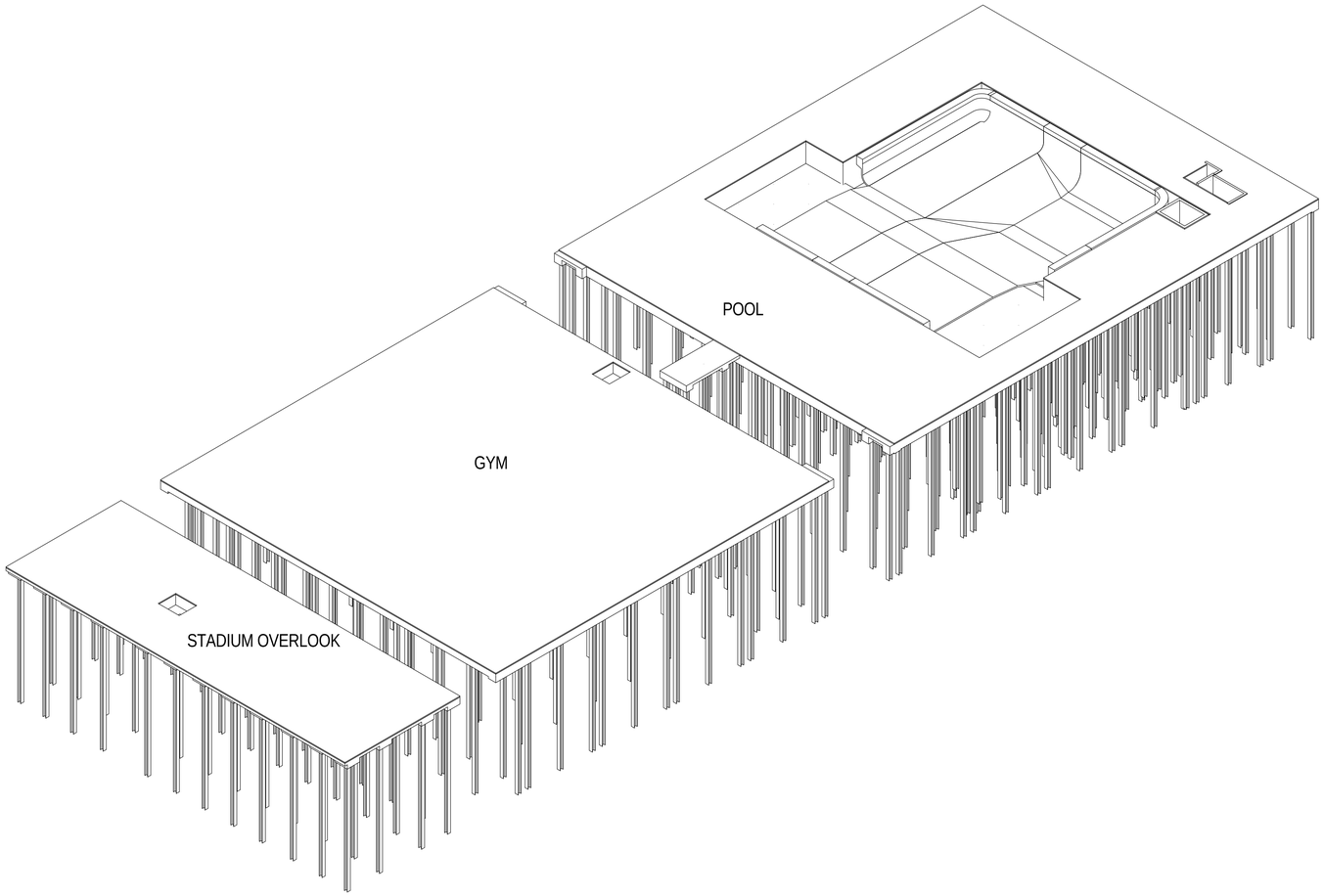

1 3D MODEL

REVISION DATES (DESIGN STAGE ONLY)

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CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS

BUREAU OF ENGINEERING

NO.	REVISIONS:	DATE:	BY:
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BUILDING NO.

INDEX NO. - RP 300094

REGISTERED PROFESSIONAL ENGINEER
JUAN CARLOS ESQUIVEL
No. S 4074
Exp. 9-30-18
STRUCTURAL
STATE OF CALIFORNIA

GARY LEE MOORE, PE, ENV SP CITY ENGINEER
ARCHITECTURAL DIVISION
ENGINEER: JUAN CARLOS ESQUIVEL LIC. NO. S-4074
DESIGNED BY: W.X
DRAWN BY: W.X
CHECKED BY: J.C.E.
APPROVED BY:
DATE:

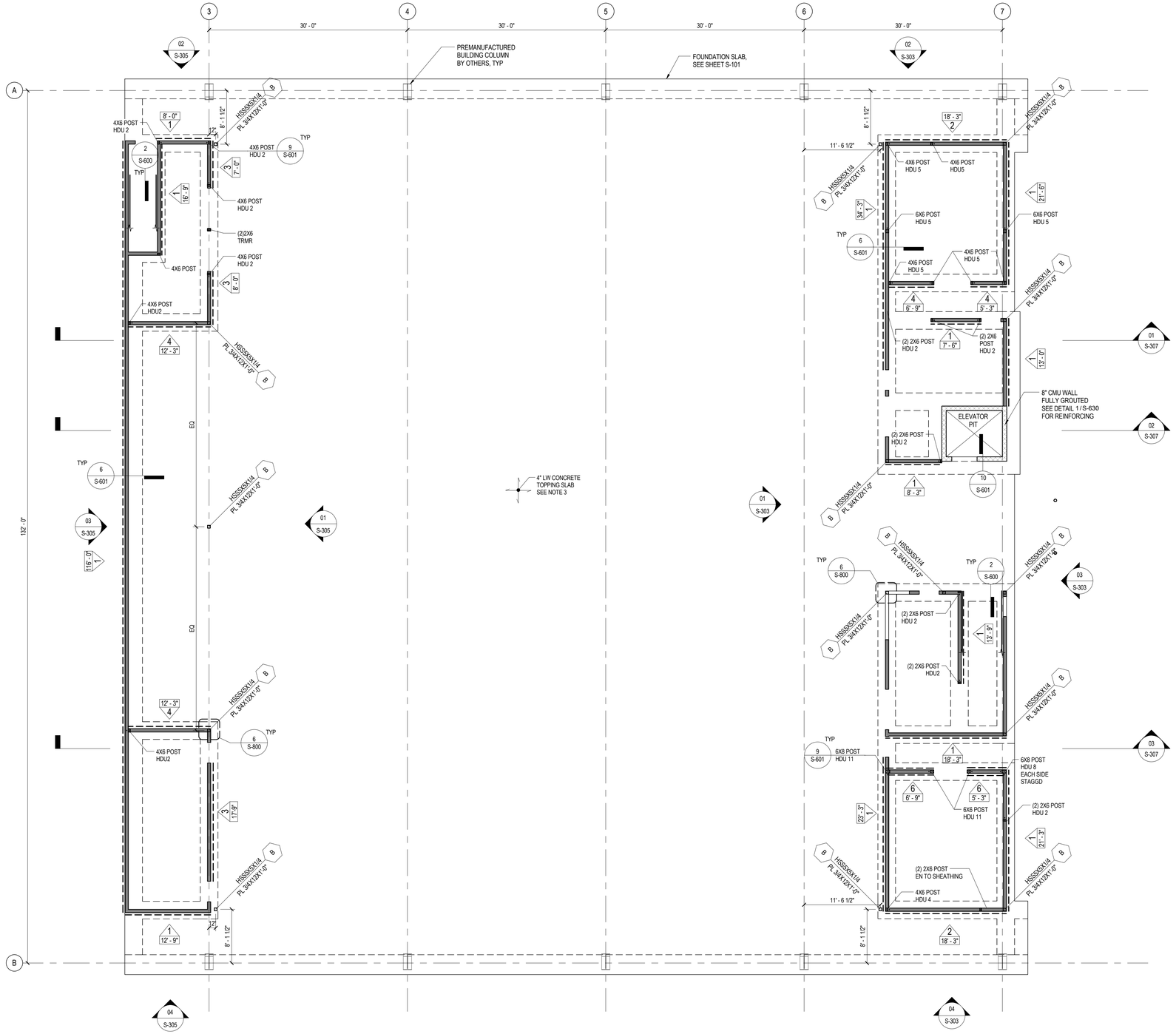
VERTICAL CONTROL:
HORIZONTAL CONTROL:
SHEET TITLE: 3D MODEL

PROJECT: RANCHO CIENEGA SPORTS COMPLEX
ADDRESS: 5001 RODEO ROAD
LOS ANGELES, CA 90016

WORK ORDER NO. E1907694
PLAN FILE NO.
DRAWING NO. S-300
SHEET OF SHEETS

12/13/2016 4:20:36 PM

JCE STRUCTURAL ENGINEERING GROUP, INC.
STRUCTURAL & EARTHQUAKE ENGINEERING CONSULTANTS
35 Hugus Alley, Suite 211, Pasadena, CA 91103 Tel: (626) 585-1822 Fax (626) 585-1824



1 FIRST FLOOR PLAN - GYM

1/8" = 1'-0"

GROUND LEVEL PLAN NOTES:

1. REFERENCE ELEVATION 101.13' = 0'-0"
2. TOP OF FINISH FLOOR ELEVATION = 0' - 0" UON.
3. PROVIDE 4" THK MAX LW CONCRETE TOPPING SLAB W/ MACRO-SYNTHETIC FIBERS AT A DOSAGE RATE OF 4.0 LBS/CY. SEE ARCHITECTURAL DRAWINGS FOR SLOPING AND CONTROL JOINT LOCATIONS.
4. VERIFY ALL DIMENSIONS SHOWN WITH ARCHITECTURAL DRAWINGS.
5. FOR FOUNDATION PLAN SEE SHEETS S-101, S-102, & S-103.
6. SEE ARCHITECTURAL DRAWINGS FOR CONCRETE CURB DIMENSIONS AND LOCATIONS.
7. WOOD STUD BEARING WALLS SHALL BE 2X6 AT 16" OC UON. FOR TYPICAL FRAMING AT OPENINGS SEE DETAIL 10 / S-800 . SEE DETAIL 11 / S-800 FOR WOOD SHEAR WALL ELEVATION AND SCHEDULE.
8. WOOD STUD NON-BEARING WALLS SHALL BE 2X4 MIN AT 16" OC UON.
8. SEE DETAIL 1 / S-630 FOR MASONRY WALL REINFORCEMENT. SEE DETAIL 7 / S-630 FOR TYPICAL MASONRY WALL ELEVATION.
9. SEE DETAIL 1 / S-601 FOR TYPICAL STEEL COLUMN AT STRUCTURAL SLAB DETAIL. SEE DETAIL 4 / S-601 FOR STEEL COLUMN BASE PLATE DETAIL.

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CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS

BUREAU OF ENGINEERING

ENGINEERING CITY OF LOS ANGELES

NO.	REVISIONS:	DATE:	BY:

BUILDING NO.

INDEX NO. RP 300094

REGISTERED PROFESSIONAL ENGINEER PATRICK D RODRIGUEZ No. 54607 EXP 6-30-17 CIVIL STRUCTURAL STATE OF CALIFORNIA

CITY ENGINEER	DATE:
GARY LEE MOORE, PE, ENV SP	2016
ARCHITECTURAL DIVISION	
ENGINEER: DERRICK ROORDA, PE	LIC. NO. S4607
DESIGNED BY: JR	
DRAWN BY: EN	
CHECKED BY:	
APPROVED BY:	

VERTICAL CONTROL:

HORIZONTAL CONTROL:

SHEET TITLE: FIRST FLOOR PLAN - GYMNASIUM

PROJECT: RANCHO CIENEGA SPORTS COMPLEX

ADDRESS: 5001 RODEO ROAD LOS ANGELES, CA 90016

WORK ORDER NO. E1907694

PLAN FILE NO.

DRAWING NO. S-201

SHEET OF SHEETS

PLOTTED: ----

REVISION DATES (DESIGN STAGE ONLY)

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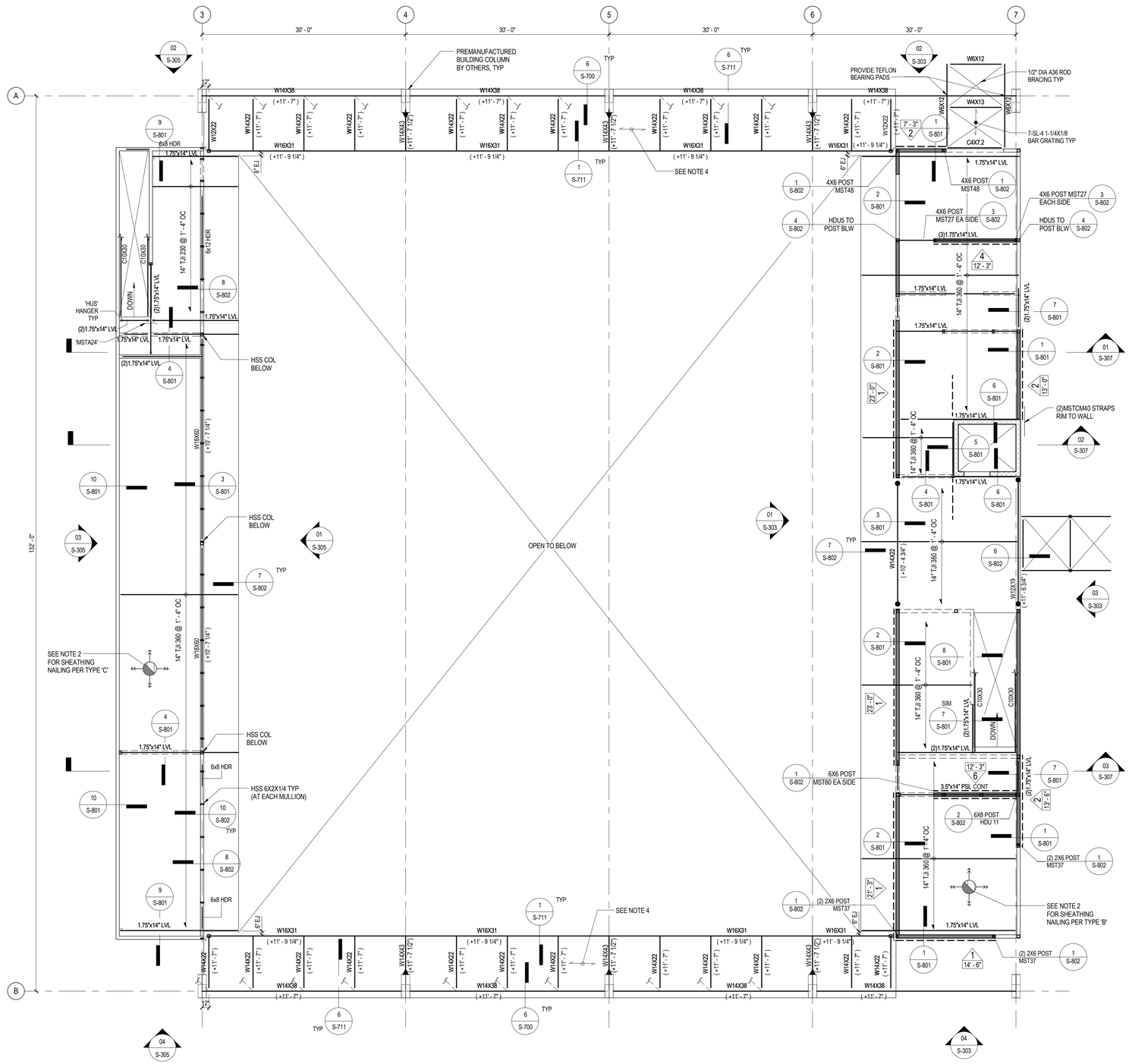

1 MEZZANINE FRAMING PLAN - GYM
1/8" = 1'-0"

2 MECHANICAL MEZZANINE PLAN - GYM
1/8" = 1'-0"

FRAMING PLAN NOTES:
1. REFERENCE ELEVATION 101.13' = 0'-0"
2. FLOOR / ROOF SHALL BE 3/4" PLYWOOD SHEATHING WITH 2" LIGHTWEIGHT CONCRETE TOPPING SLAB. PROVIDE MACRO-SYNTHETIC FIBERS IN CONCRETE AT A DOSAGE RATE OF 4.0 LBS/CY. 2 / S-800 FOR PLYWOOD NAILING SCHEDULE: SEE ARCHITECTURAL DRAWINGS FOR SLOPING.
3. TOP OF STEEL BEAMS SHALL BE AS NOTED IN PARENTHESIS: (XXX'-XX")
4. FLOOR SHALL BE 3" LIGHTWEIGHT CONCRETE OVER THE FLUTES OF 2" X 20 GAUGE TYPE W2 VERCO METAL DECK (IAPMO ER-0217 / LARR 23789) OR APPROVED EQUAL (TOTAL THICKNESS = 5"). REINFORCE CONCRETE WITH 6X6 - W2.0 X W2.0 WELDED WIRE FABRIC PLACED 1 1/2" CLEAR FROM TOP OF CONCRETE. METAL DECK SHALL BE CONTINUOUS FOR 3 OR MORE SPANS (4 SUPPORTS) WHERE POSSIBLE. WELD DECK USING 1/2" DIAMETER NET EFFECTIVE PUDDLE WELDS:
   a. PERPENDICULAR BEARINGS: 4 - WELDS PER SHEET PER SUPPORT.
   b. PARALLEL BEARINGS AND EDGES: AT 12" OC.
   c. SEAMS: BUTTON PUNCH SIDE SEAMS AT 24" OC.
5. ▶ INDICATES RIGID CONNECTION, SEE DETAIL 9 / S-710

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BUROHAPPOLD ENGINEERING

ENGINEERING
CITY OF LOS ANGELES

BUREAU OF ENGINEERING

NO.	REVISIONS:	DATE:	BY:

BUILDING NO.

INDEX NO. RP 300094

REGISTERED PROFESSIONAL ENGINEER
DERRICK D. ROORDA
No. 54607
EXP. 6-30-17
CIVIL
STRUCTURAL
MECHANICAL
ELECTRICAL
STATE OF CALIFORNIA

BID SET SUBMITTAL

CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS

GARY LEE MOORE, PE, ENV SP — CITY ENGINEER
ARCHITECTURAL DIVISION
LIC. NO. S4607
DATE: 2016
ENGINEER: DERRICK ROORDA, PE
DESIGNED BY: JR
DRAWN BY: EN
CHECKED BY:
APPROVED BY:

VERTICAL CONTROL:
HORIZONTAL CONTROL:

SHEET TITLE: MEZZANINE FRAMING PLAN - GYMNASIUM

PROJECT: RANCHO CIENEGA SPORTS COMPLEX

ADDRESS: 5001 RODEO ROAD
LOS ANGELES, CA 90016

WORK ORDER NO. E1907694
PLAN FILE NO.
DRAWING NO. S-202
SHEET OF SHEETS

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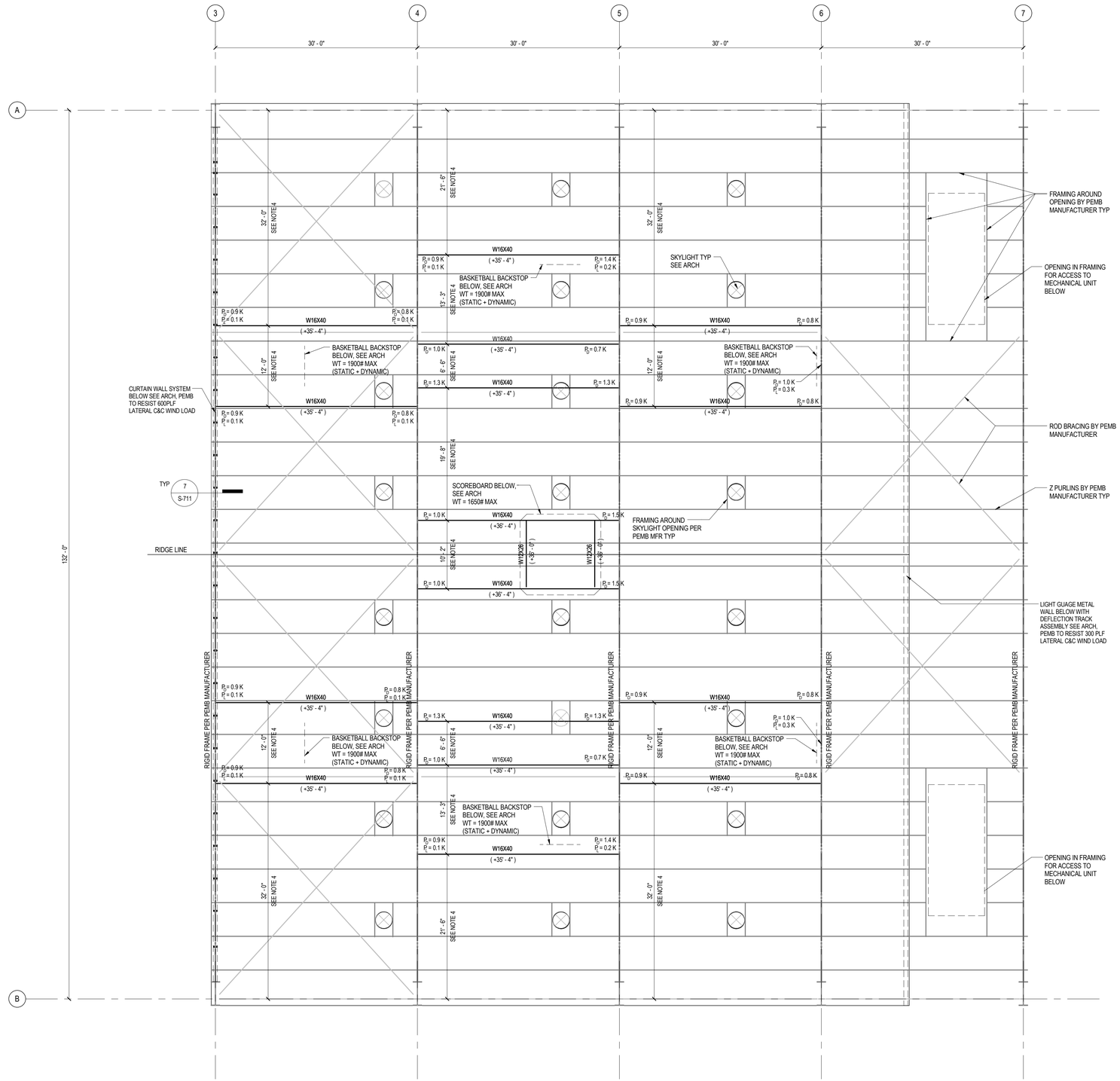

1 ROOF FRAMING PLAN - GYM
1/8" = 1'-0"

ROOF FRAMING PLAN NOTES:
1. REFERENCE ELEVATION 101.13' = 0'-0"
2. TOP OF STEEL BEAMS SHALL BE AS NOTED IN PARENTHESIS: (XXX'-XX")
3. SEE SHEET S-310 FOR PRE-MANUFACTURED BUILDING LOADING CRITERIA AND PERFORMANCE REQUIREMENTS.
4. LOCATION OF SUPPORT STEEL FOR SCOREBOARD AND BASKETBALL BACKSTOPS ARE APPROX AND TO BE COORDINATED WITH MFR LAYOUT DRAWINGS PRIOR TO FABRICATION.

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ENGINEERING
CITY OF LOS ANGELES

BUREAU OF ENGINEERING

NO.	REVISIONS:	DATE:	BY:

BUILDING NO.

INDEX NO. RP 300094

REGISTERED PROFESSIONAL ENGINEER PATRICK D. ROORDA No. S46007 EXP. 6-30-17 STRUCTURAL STATE OF CALIFORNIA

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CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS

CITY ENGINEER
GARY LEE MOORE, PE, ENV SP
DATE: OCT 15 2016

ARCHITECTURAL DIVISION
ENGINEER: DERRICK ROORDA, PE LIC. NO. S46007
DESIGNED BY: JR
DRAWN BY: EN
CHECKED BY:
APPROVED BY:

VERTICAL CONTROL:
HORIZONTAL CONTROL:

SHEET TITLE: ROOF FRAMING PLAN - GYMNASIUM

PROJECT: RANCHO CIENEGA SPORTS COMPLEX

ADDRESS: 5001 RODEO ROAD
LOS ANGELES, CA 90016

WORK ORDER NO. E1907694
PLAN FILE NO.
DRAWING NO. S-203
SHEET OF SHEETS

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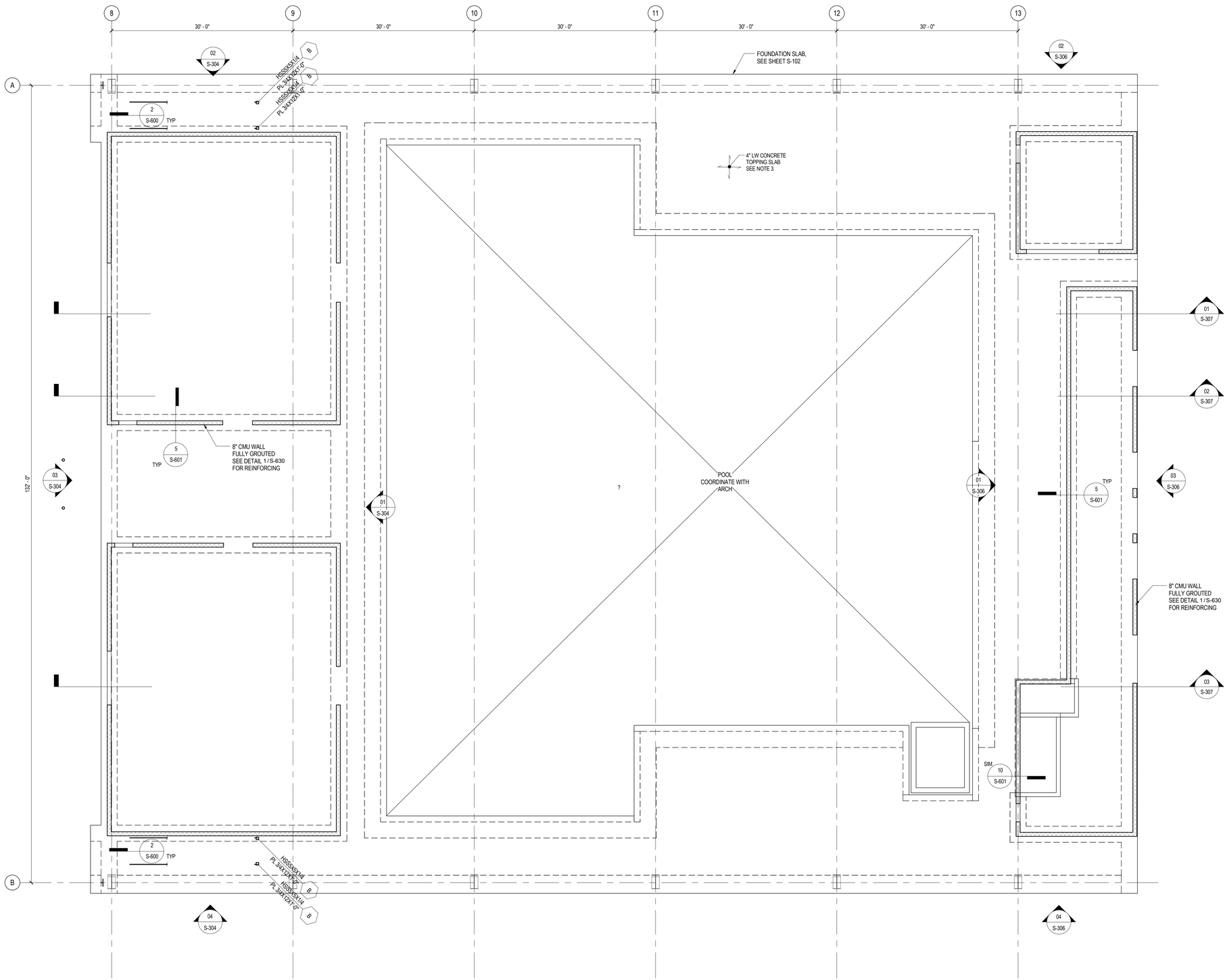

GROUND LEVEL PLAN NOTES:

1. REFERENCE ELEVATION 101.13' = 0'-0"
2. TOP OF FINISH FLOOR ELEVATION = 0' - 0" UON.
3. PROVIDE 4" THK MAX LW CONCRETE TOPPING SLAB W/ MACRO-SYNTHETIC FIBERS AT A DOSAGE RATE OF 4.0 LBS/CY. SEE ARCHITECTURAL DRAWINGS FOR SLOPING AND CONTROL JOINT LOCATIONS.
4. VERIFY ALL DIMENSIONS SHOWN WITH ARCHITECTURAL DRAWINGS.
5. FOR FOUNDATION PLAN SEE SHEETS S-101, S-102, & S-103.
6. SEE ARCHITECTURAL DRAWINGS FOR CONCRETE CURB DIMENSIONS AND LOCATIONS.
7. SEE DETAIL 1/S-630 FOR MASONRY WALL REINFORCEMENT. SEE DETAIL 7/S-630 FOR TYPICAL MASONRY WALL ELEVATION.
8. SEE DETAIL 1/S-601 FOR TYPICAL STEEL COLUMN AT STRUCTURAL SLAB DETAIL. SEE DETAIL 4/S-601 FOR STEEL COLUMN BASE PLATE DETAIL.

1 FIRST FLOOR PLAN - POOL

1/8" = 1'-0"

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BUREAU OF ENGINEERING
ENGINEERING
CITY OF LOS ANGELES

NO.	REVISIONS:	DATE:	BY:

BUILDING NO.

INDEX NO. RP 300094

REGISTERED PROFESSIONAL ENGINEER
DERRICK D. ROORDA
No. 54607
EXP. 6-30-17
CIVIL
STRUCTURAL
STATE OF CALIFORNIA

BID SET SUBMITTAL
DEPARTMENT OF PUBLIC WORKS
CITY OF LOS ANGELES

VERTICAL CONTROL:	
HORIZONTAL CONTROL:	
SHEET TITLE:	FIRST FLOOR PLAN - POOL
PROJECT:	RANCHO CIENEGA SPORTS COMPLEX
ADDRESS:	5001 RODEO ROAD LOS ANGELES, CA 90016

GARY LEE MOORE, PE, ENV SP — CITY ENGINEER — DATE: 2015

ARCHITECTURAL DIVISION — LIC. NO. S4607

ENGINEER: DERRICK ROORDA, PE — LIC. NO. S4607

DESIGNED BY: JR

DRAWN BY: EN

CHECKED BY:

APPROVED BY:

WORK ORDER NO. E1907694

PLAN FILE NO.

DRAWING NO. S-204

SHEET OF SHEETS

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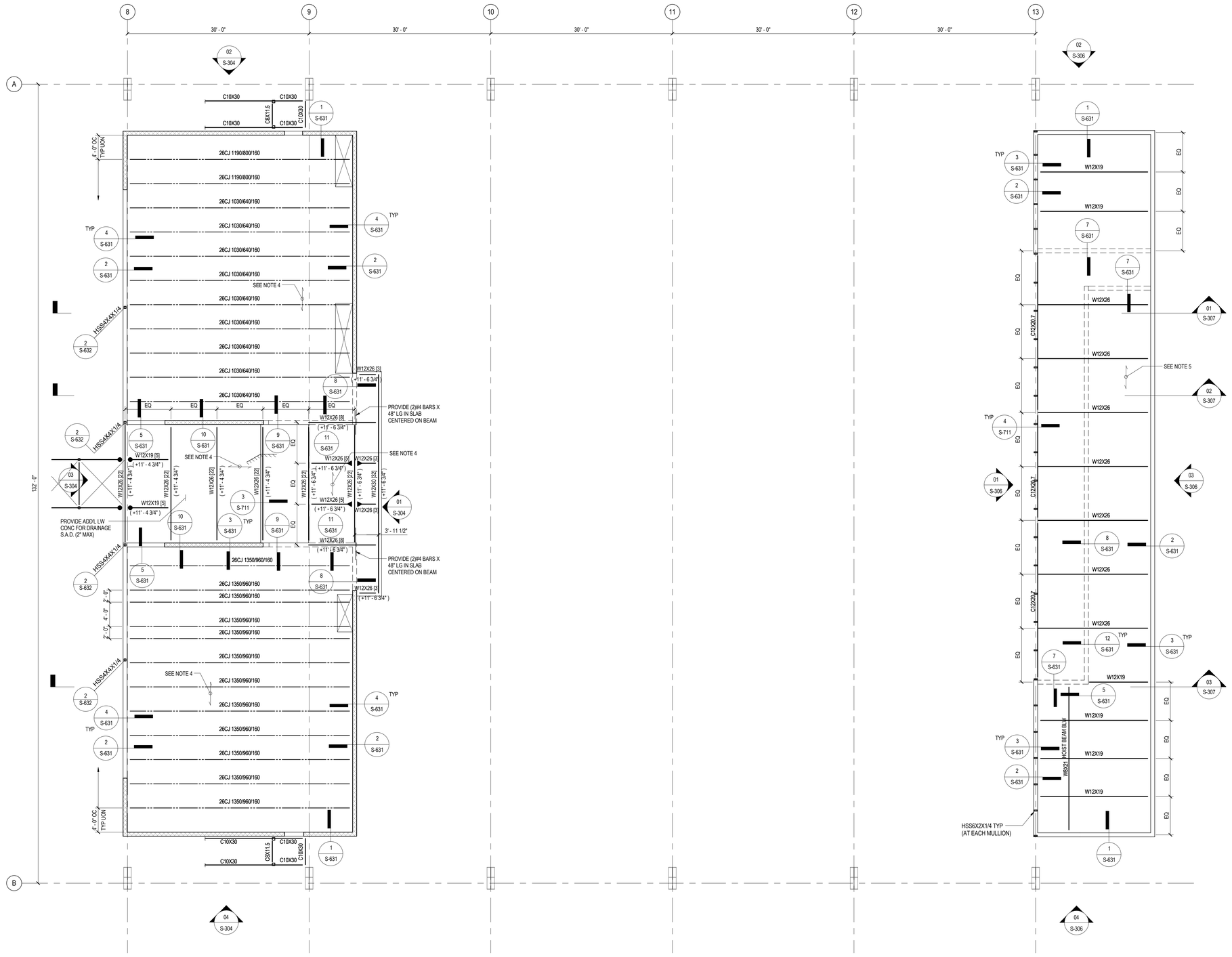

1 MEZZANINE FRAMING PLAN - POOL

1/8" = 1'-0"

FRAMING PLAN NOTES:

1. REFERENCE ELEVATION 101.13 = 0' - 0".
2. TOP OF STEEL BEAMS SHALL BE AT ELEVATION 14' - 7 3/4" UNLESS OTHERWISE NOTED IN PARENTHESIS: (XXX'-XX")
3. TOP OF STEEL JOISTS SHALL BE AT ELEVATION 11' - 7" UNLESS OTHERWISE NOTED IN PARENTHESIS: (XXX'-XX")
4. FLOOR SHALL BE 3 1/4" LIGHTWEIGHT CONCRETE OVER THE FLUTES OF 2" X 20 GAUGE TYPE W2 VERCO METAL DECK (IAPMO ER-0217 / LARR 23789) OR APPROVED EQUAL (TOTAL THICKNESS = 5 1/4"). REINFORCE CONCRETE WITH 6X6 - W2.0 X W2.0 WELDED WIRE FABRIC PLACED 1 1/2" CLEAR FROM TOP OF CONCRETE. METAL DECK SHALL BE CONTINUOUS FOR 3 OR MORE SPANS (4 SUPPORTS) WHERE POSSIBLE. WELD DECK USING 1/2" DIAMETER NET EFFECTIVE PUDDLE WELDS:
   a. PERPENDICULAR BEARINGS: 4 - WELDS PER SHEET PER SUPPORT.
   b. PARALLEL BEARINGS AND EDGES: AT 12" OC.
   c. SEAMS: BUTTON PUNCH SIDE SEAMS AT 24" OC.
5. ROOF SHALL BE 2 1/2" LIGHTWEIGHT CONCRETE OVER THE FLUTES OF 2" X 20 GAUGE TYPE W2 VERCO METAL DECK (IAPMO ER-0217 / LARR 23789) OR APPROVED EQUAL (TOTAL THICKNESS = 4 1/2"). REINFORCE CONCRETE WITH 6X6 - W2.0 X W2.0 WELDED WIRE FABRIC PLACED 1 1/2" CLEAR FROM TOP OF CONCRETE. METAL DECK SHALL BE CONTINUOUS FOR 3 OR MORE SPANS (4 SUPPORTS) WHERE POSSIBLE. WELD DECK USING 1/2" DIAMETER NET EFFECTIVE PUDDLE WELDS:
   a. PERPENDICULAR BEARINGS: 4 - WELDS PER SHEET PER SUPPORT.
   b. PARALLEL BEARINGS AND EDGES: AT 12" OC.
   c. SEAMS: BUTTON PUNCH SIDE SEAMS AT 24" OC.
6. [XX] NUMBER IN BRACKETS INDICATES REQUIRED NUMBER OF 3/4" x 6" LONG NELSON S3L HEADED SHEAR STUDS OR APPROVED EQUAL. FOR REQUIRED WELDING, SPACING, ETC. SEE DETAIL 4 / S-700
7. c = INDICATES CAMBER UP AT MIDSPAN. WHERE NO CAMBER IS INDICATED, FABRICATE BEAMS WITH NATURAL CAMBER UP.
8. ▶ INDICATES RIGID CONNECTION, SEE DETAIL 9 / S-710
9. FOR BEAM TO COLUMN AND BEAM TO BEAM CONNECTIONS, SEE SHEET S-710
10. WHERE STEEL JOISTS ARE INDICATED ON PLAN, THE DESIGNATION IS AS FOLLOWS: [DEPTH]CJ [TOTAL FACTORED DEIGN LOAD]/[TOTAL FACTORED LIVE LOAD]/[TOTAL FACTORED COMPOSITE DEAD LOAD]

BUREAU OF ENGINEERING
CITY OF LOS ANGELES

NO. REVISIONS: DATE: BY:

BUILDING NO.

INDEX NO. RP 300094

REGISTERED PROFESSIONAL ENGINEER PATRICK D. ROORDA No. S46807 EXP. 6-30-17 STRUCTURAL CIVIL OF CALIFORNIA

BID SET SUBMITTAL

CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS

CITY ENGINEER: GARY LEE MOORE, PE, ENV SP
ARCHITECTURAL DIVISION
ENGINEER: DERRICK ROORDA, PE LIC. NO. S46807 DATE: 2016
DESIGNED BY: JR
DRAWN BY: EN
CHECKED BY:
APPROVED BY:

VERTICAL CONTROL:
HORIZONTAL CONTROL:

SHEET TITLE: MEZZANINE FRAMING PLAN - POOL

PROJECT: RANCHO CIENEGA SPORTS COMPLEX

ADDRESS: 5001 RODEO ROAD LOS ANGELES, CA 90016

BUREAU OF ENGINEERING OFFICIAL RECORD

WORK ORDER NO. E1907694

PLAN FILE NO.

DRAWING NO. S-205

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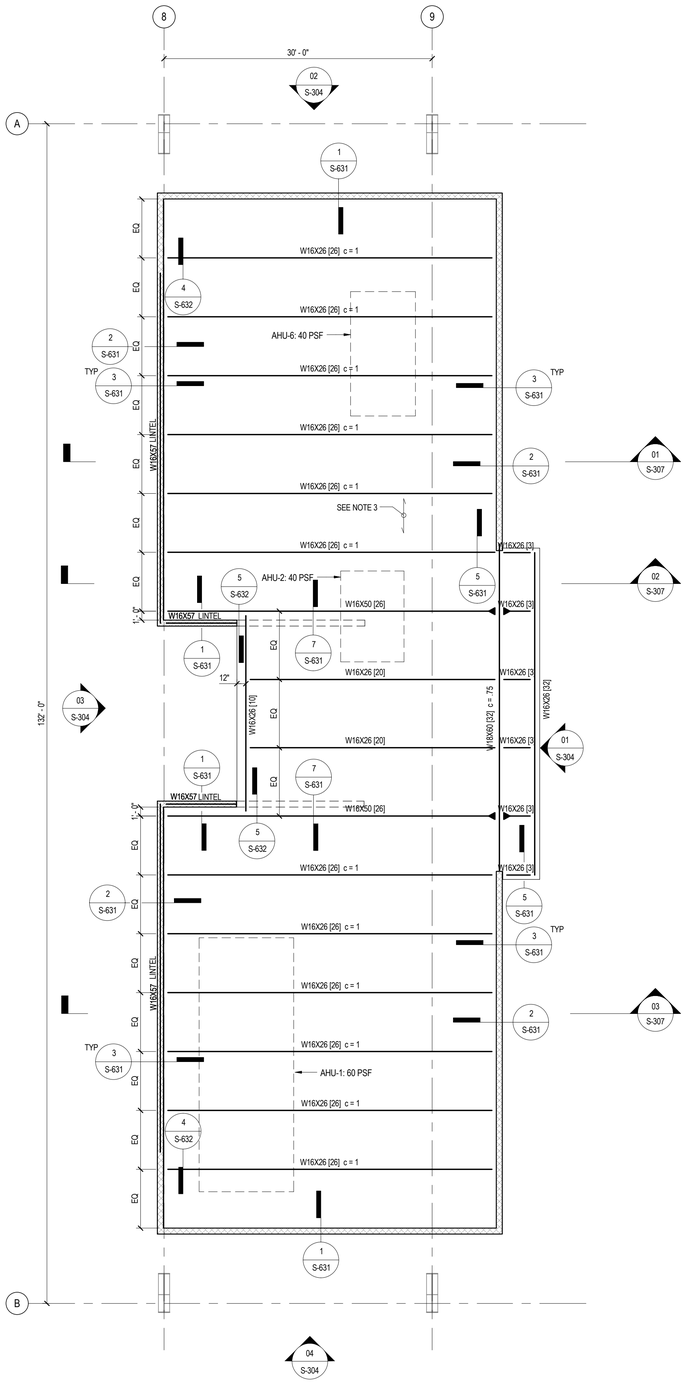
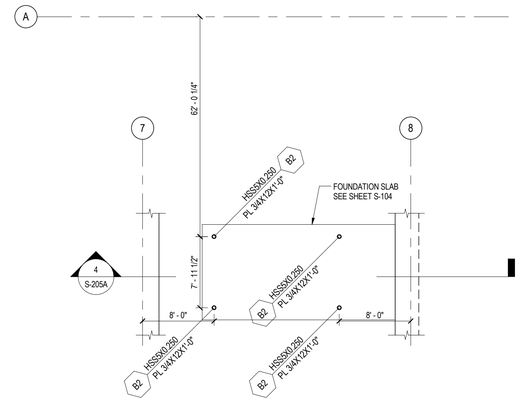


1 MECHANICAL MEZZANINE PLAN - POOL

1/8" = 1'-0"

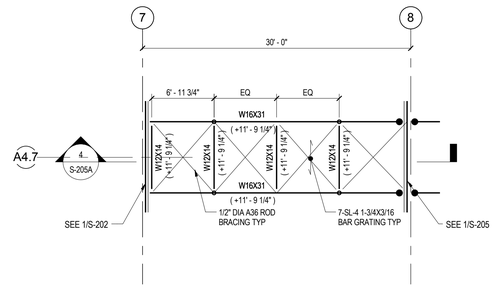
ROOF FRAMING PLAN NOTES:

1. REFERENCE ELEVATION 101.13 = 0' - 0".
2. TOP OF STEEL BEAMS SHALL BE AT ELEVATION 24' - 1 1/2" UNLESS OTHERWISE NOTED IN PARENTHESIS: (XXX-XX")
3. ROOF SHALL BE 2 1/2" LIGHTWEIGHT CONCRETE OVER THE FLUTES OF 2" X 20 GAUGE TYPE W2 VERCO METAL DECK (IAPMO ER-0217 / LARR 23789) OR APPROVED EQUAL (TOTAL THICKNESS = 4 1/2"). REINFORCE CONCRETE WITH 6X6 - W2.0 X W2.0 WELDED WIRE FABRIC PLACED 1 1/2" CLEAR FROM TOP OF CONCRETE. METADECK SHALL BE CONTINUOUS FOR 3 OR MORE SPANS (4 SUPPORTS) WHERE POSSIBLE. WELD DECK USING 1/2" DIAMETER NET EFFECTIVE PUDDLE WELDS:
   a. PERPENDICULAR BEARINGS: 4 - WELDS PER SHEET PER SUPPORT.
   b. PARALLEL BEARINGS AND EDGES: AT 12" OC.
   c. SEAMS: BUTTON PUNCH SIDE SEAMS AT 24" OC.
4. [XX] NUMBER IN BRACKETS INDICATES REQUIRED NUMBER OF 3/4" x 6" LONG NELSON S3L HEADED SHEAR STUDS OR APPROVED EQUAL FOR REQUIRED WELDING, SPACING, ETC. SEE DETAIL 4/S-700
5. c = INDICATES CAMBER UP AT MIDSPAN. WHERE NO CAMBER IS INDICATED, FABRICATE BEAMS WITH NATURAL CAMBER UP.
6. ▶—5 INDICATES RIGID CONNECTION, SEE DETAIL 9/S-710
7. FOR BEAM TO COLUMN AND BEAM TO BEAM CONNECTIONS, SEE SHEET S-710



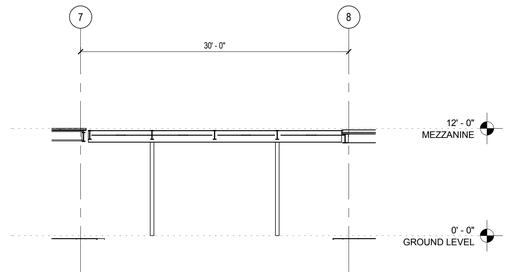
2 FIRST FLOOR PLAN - BRIDGE

1/8" = 1'-0"



3 MEZZANINE FRAMING PLAN - BRIDGE

1/8" = 1'-0"



4 SECTION AT BRIDGE

1/8" = 1'-0"

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OFFICIAL RECORD

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BUROHAPPOLD ENGINEERING

BUREAU OF ENGINEERING

ENGINEERING
CITY OF LOS ANGELES

NO.	REVISIONS:	DATE:	BY:

BUILDING NO.

INDEX NO. RP 300094

REGISTERED PROFESSIONAL ENGINEER
PATRICK D. ROORDA
No. S-4807
EXP. 6-30-17
STRUCTURAL
STATE OF CALIFORNIA

BID SET SUBMITTAL

CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS

CITY ENGINEER
GARY LEE MOORE, PE, ENV SP
ARCHITECTURAL DIVISION
DATE: 15 2016

ENGINEER: DERRICK ROORDA, PE
LIC. NO. S-4807

DESIGNED BY: JR
DRAWN BY: EN
CHECKED BY:
APPROVED BY:

VERTICAL CONTROL:
HORIZONTAL CONTROL:

SHEET TITLE: MECHANICAL MEZZANINE AND BRIDGE FRAMING PLAN

PROJECT: RANCHO CIENEGA SPORTS COMPLEX

ADDRESS: 5001 RODEO ROAD
LOS ANGELES, CA 90016

WORK ORDER NO. E1907694

PLAN FILE NO.

DRAWING NO. S-205A

SHEET OF SHEETS

PLOTTED: ----

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1 ROOF FRAMING PLAN - POOL
1/8" = 1'-0"

ROOF FRAMING PLAN NOTES:
1. REFERENCE ELEVATION 101.13' = 0'-0"
2. TOP OF STEEL BEAMS SHALL BE AS NOTED IN PARENTHESIS: (XXX'-XX")
3. SEE SHEET S-310 FOR PRE-MANUFACTURED BUILDING LOADING CRITERIA AND PERFORMANCE REQUIREMENTS.

BUREAU OF ENGINEERING
CITY OF LOS ANGELES

NO. | REVISIONS: | DATE: | BY:

BUILDING NO.

INDEX NO. RP 300094

REGISTERED PROFESSIONAL ENGINEER
STRICK D RODRIGUEZ
No. S46007
EXP 6-30-17
CIVIL
STRUCTURAL
STATE OF CALIFORNIA

BID SET SUBMITTAL

CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS

GARY LEE MOORE, PE, ENV SP CITY ENGINEER
ARCHITECTURAL DIVISION
ENGINEER: DERRICK ROORDA, PE LIC. NO. S46007
DESIGNED BY: JR
DRAWN BY: EN
CHECKED BY:
APPROVED BY:
DATE: 15 2016

VERTICAL CONTROL:
HORIZONTAL CONTROL:

SHEET TITLE: ROOF FRAMING PLAN - POOL

PROJECT: RANCHO CIENEGA SPORTS COMPLEX

ADDRESS: 5001 RODEO ROAD
LOS ANGELES, CA 90016

BUREAU OF ENGINEERING
OFFICIAL RECORD

WORK ORDER NO. E1907694
PLAN FILE NO.
DRAWING NO. S-206
SHEET OF SHEETS

PLOTTED: ----

BUROHAPPOLD ENGINEERING

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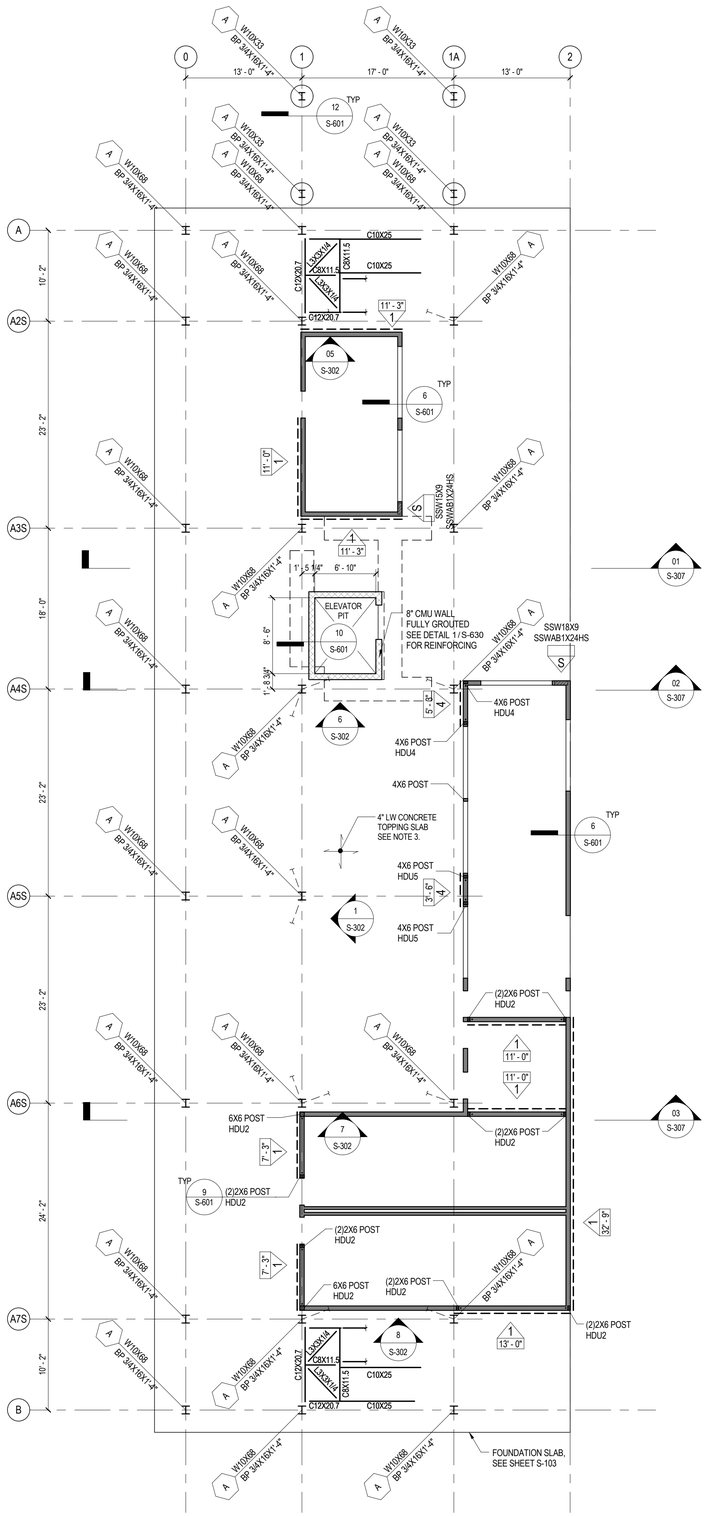
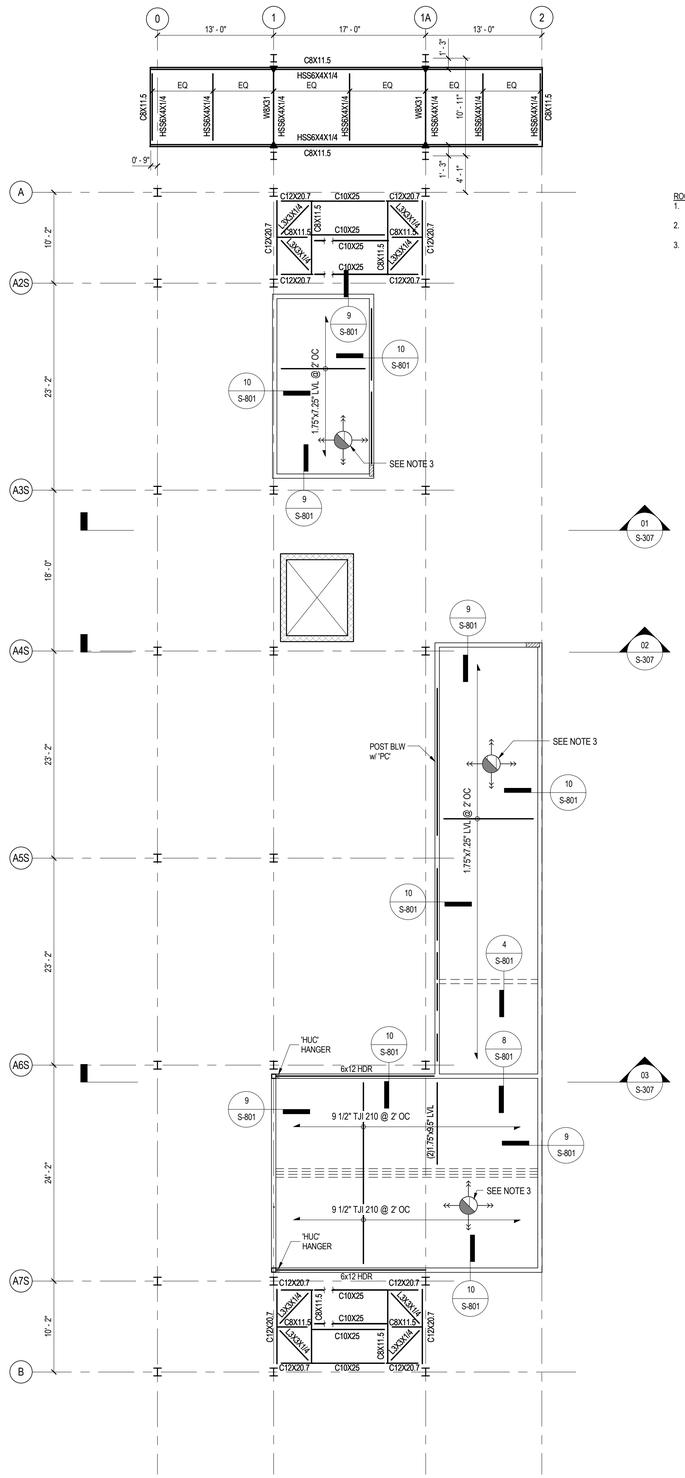


GROUND LEVEL PLAN NOTES:

1. REFERENCE ELEVATION 101.13' = 0'-0"
2. TOP OF FINISH FLOOR ELEVATION = 0' - 0" UON.
3. PROVIDE 4" THK MAX LW CONCRETE TOPPING SLAB W/ MACRO-SYNTHETIC FIBERS AT A DOSAGE RATE OF 4.0 LBS/CY. SEE ARCHITECTURAL DRAWINGS FOR SLOPING AND CONTROL JOINT LOCATIONS.
4. VERIFY ALL DIMENSIONS SHOWN WITH ARCHITECTURAL DRAWINGS.
5. FOR FOUNDATION PLAN SEE SHEETS S-101, S-102, & S-103.
6. SEE ARCHITECTURAL DRAWINGS FOR CONCRETE CURB DIMENSIONS AND LOCATIONS.
7. WOOD STUD BEARING WALLS SHALL BE 2X6 AT 16" OC UON. FOR TYPICAL FRAMING AT OPENINGS SEE DETAIL 10/S-800 . SEE DETAIL 11/S-800 FOR WOOD SHEAR WALL ELEVATION AND SCHEDULE.
8. WOOD STUD NON-BEARING WALLS SHALL BE 2X4 MIN AT 16" OC UON.
8. SEE DETAIL 1/S-630 FOR MASONRY WALL REINFORCEMENT. SEE DETAIL 7/S-630 FOR TYPICAL MASONRY WALL ELEVATION.
9. SEE DETAIL 1/S-601 FOR TYPICAL STEEL COLUMN AT STRUCTURAL SLAB DETAIL. SEE DETAIL 4/S-601 FOR STEEL COLUMN BASE PLATE DETAIL.

1 FIRST FLOOR PLAN - STADIUM CONCESSIONS

1/8" = 1'-0"



ROOF FRAMING PLAN NOTES:

1. REFERENCE ELEVATION 101.13' = 0'-0"
2. VERIFY ALL DIMENSIONS SHOWN WITH ARCHITECTURAL DRAWINGS.
3. ROOF SHALL BE 3/4" PLYWOOD SHEATHING. SEE 2/S-800 FOR PLYWOOD NAILING SCHEDULE.

2 ROOF FRAMING PLAN - STADIUM CONCESSIONS

1/8" = 1'-0"

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OFFICIAL RECORD

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BUROHAPPOLD ENGINEERING

BUREAU OF ENGINEERING
ENGINEERING
CITY OF LOS ANGELES

NO.	REVISIONS:	DATE:	BY:

BUILDING NO.

INDEX NO. RP 300094

REGISTERED PROFESSIONAL ENGINEER
STRUCTURAL
PATRICK D. ROORDA
No. S46607
EXP. 6-30-17
STATE OF CALIFORNIA

BID SET SUBMITTAL

CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS

GARY LEE MOORE, PE, ENV SP CITY ENGINEER

ARCHITECTURAL DIVISION

ENGINEER: DERRICK ROORDA, PE LIC. NO. S46607 DATE: OCTOBER 15 2016

DESIGNED BY: JR

DRAWN BY: EN

CHECKED BY:

APPROVED BY:

VERTICAL CONTROL:

HORIZONTAL CONTROL:

SHEET TITLE: FIRST FLOOR AND ROOF FRAMING PLAN - STADIUM CONCESSIONS

PROJECT: RANCHO CIENEGA SPORTS COMPLEX

ADDRESS: 5001 RODEO ROAD LOS ANGELES, CA 90016

WORK ORDER NO. E1907694

PLAN FILE NO.

DRAWING NO. S-207

SHEET OF SHEETS

PLOTTED: ----

REVISION DATES (DESIGN STAGE ONLY)

TEMPLATE SHEET REVISION DATE: 08/2014

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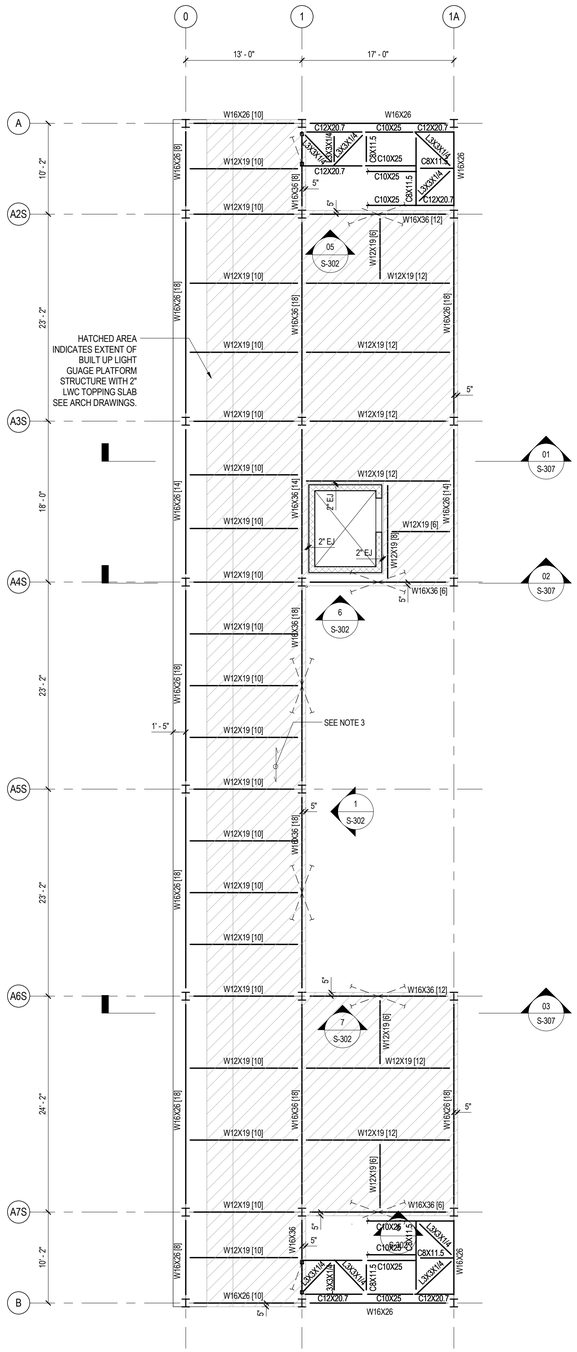
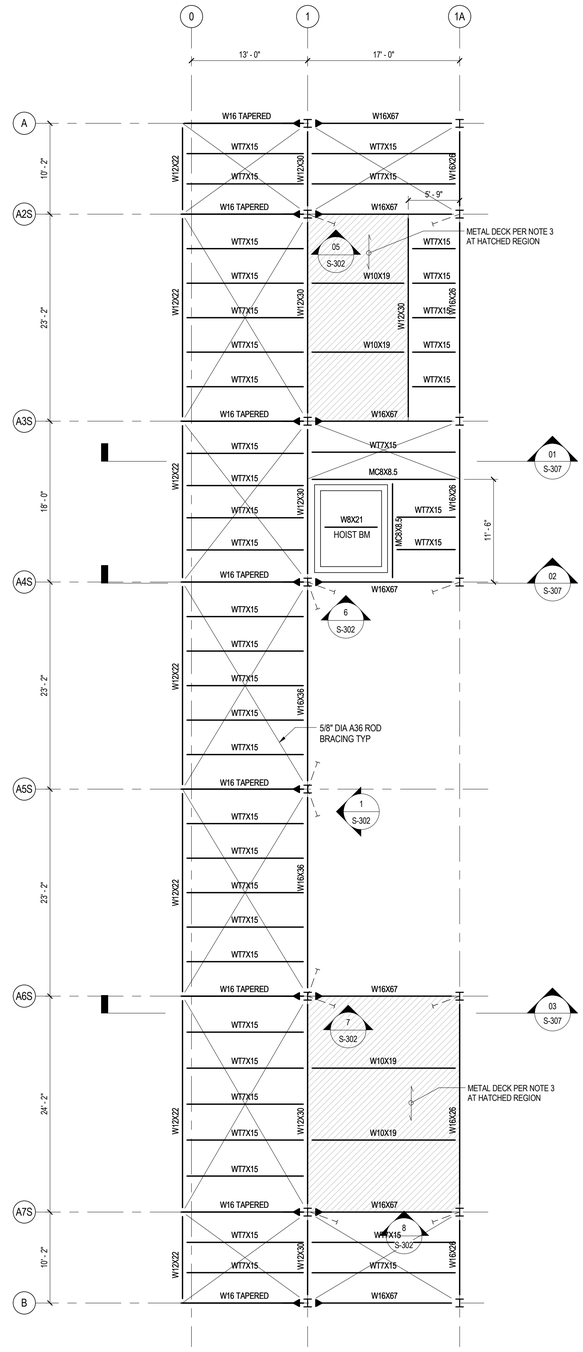


FLOOR FRAMING PLAN NOTES:

1. REFERENCE ELEVATION 101.13 = 0' - 0".
2. TOP OF STEEL BEAMS SHALL BE AT ELEVATION 21' - 5 3/4" UNLESS OTHERWISE NOTED IN PARENTHESIS: (XXX'-XX")
3. FLOOR SHALL BE 3 1/4" LIGHTWEIGHT CONCRETE OVER THE FLUTES OF 3" X 20 GAUGE TYPE W3 VERCO METAL DECK (IAPMO ER-0217 / LARR 23789) OR APPROVED EQUAL (TOTAL THICKNESS = 6 1/4"), REINFORCE CONCRETE WITH 6X6 - W2.0 X W2.0 WELDED WIRE FABRIC PLACED 1 1/2" CLEAR FROM TOP OF CONCRETE. METAL DECK SHALL BE CONTINUOUS FOR 3 OR MORE SPANS (4 SUPPORTS) WHERE POSSIBLE. WELD DECK USING 1/2" DIAMETER NET EFFECTIVE PUDDLE WELDS:
   a. PERPENDICULAR BEARINGS: 4 - WELDS PER SHEET PER SUPPORT.
   b. PARALLEL BEARINGS AND EDGES: AT 12" OC.
   c. SEAMS: BUTTON PUNCH SIDE SEAMS AT 24" OC.
9. [XX] NUMBER IN BRACKETS INDICATES REQUIRED NUMBER OF 3/4" x 6" LONG NELSON S3L HEADED SHEAR STUDS OR APPROVED EQUAL. FOR REQUIRED WELDING, SPACING, ETC. SEE DETAIL 4/S-700
10. c = INDICATES CAMBER UP AT MIDSPAN. WHERE NO CAMBER IS INDICATED, FABRICATE BEAMS WITH NATURAL CAMBER UP.
5. ▶—1/4 INDICATES RIGID CONNECTION, SEE DETAIL 9/S-710
6. FOR BEAM TO COLUMN AND BEAM TO BEAM CONNECTIONS, SEE SHEET S-710

1 MEZZANINE FRAMING PLAN - STADIUM OVERLOOK

1/8" = 1'-0"



ROOF FRAMING PLAN NOTES:

1. REFERENCE ELEVATION 101.13' = 0'-0"
2. TOP OF STEEL BEAMS SHALL BE AT ELEVATION 38'-0" UNLESS OTHERWISE NOTED IN PARENTHESIS: (XXX'-XX")
3. ROOF SHALL BE 1½" x 18 GAUGE TYPE PLB36 GALVANIZED VERCO METAL DECK (IAPMO ER-0217 / LARR 23789) OR APPROVED EQUAL. SEEARCHITECTURAL DRAWINGS FOR ROOFING, ETC. METAL DECK SHALL BE CONTINUOUS FOR 3 OR MORE SPANS (4 SUPPORTS) WHERE POSSIBLE. WELD DECK USING ½" DIAMETER NET EFFECTIVE PUDDLE WELDS:
   a. PERPENDICULAR BEARINGS: 4 — WELDS PER SHEET PER SUPPORT.
   b. PARALLEL BEARINGS AND EDGES: AT 12" OC.
   c. SEAMS: BUTTON PUNCH SIDE SEAMS AT 24" OC.
4. c = INDICATES CAMBER UP AT MIDSPAN. WHERE NO CAMBER IS INDICATED, FABRICATE BEAMS WITH NATURAL CAMBER UP.
5. ▶—1/4 INDICATES RIGID CONNECTION, SEE DETAIL 11/S-710
6. FOR BEAM TO COLUMN AND BEAM TO BEAM CONNECTIONS, SEE SHEET S-710

2 ROOF FRAMING PLAN - STADIUM OVERLOOK

1/8" = 1'-0"

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ENGINEERING
CITY OF LOS ANGELES

BUREAU OF ENGINEERING

NO.	REVISIONS:	DATE:	BY:

BUILDING NO.

INDEX NO. RP 300094

REGISTERED PROFESSIONAL ENGINEER
DERRICK D. ROORDA
No. S46077
EXP. 6-30-17
STRUCTURAL
STATE OF CALIFORNIA

BID SET SUBMITTAL

CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS

VERTICAL CONTROL:	
HORIZONTAL CONTROL:	
SHEET TITLE:	MEZZANINE AND ROOF FRAMING PLANS - STADIUM OVERLOOK
PROJECT:	RANCHO CIENEGA SPORTS COMPLEX
ADDRESS:	5001 RODEO ROAD LOS ANGELES, CA 90016

GARY LEE MOORE, PE, ENV SP	CITY ENGINEER
ENGINEER: DERRICK ROORDA, PE	LIC. NO. S46077
DESIGNED BY: JR	DATE: OCTOBER 15 2016
DRAWN BY: EN	
CHECKED BY:	
APPROVED BY:	

WORK ORDER NO. E1907694

PLAN FILE NO.

DRAWING NO. S-208

SHEET OF SHEETS

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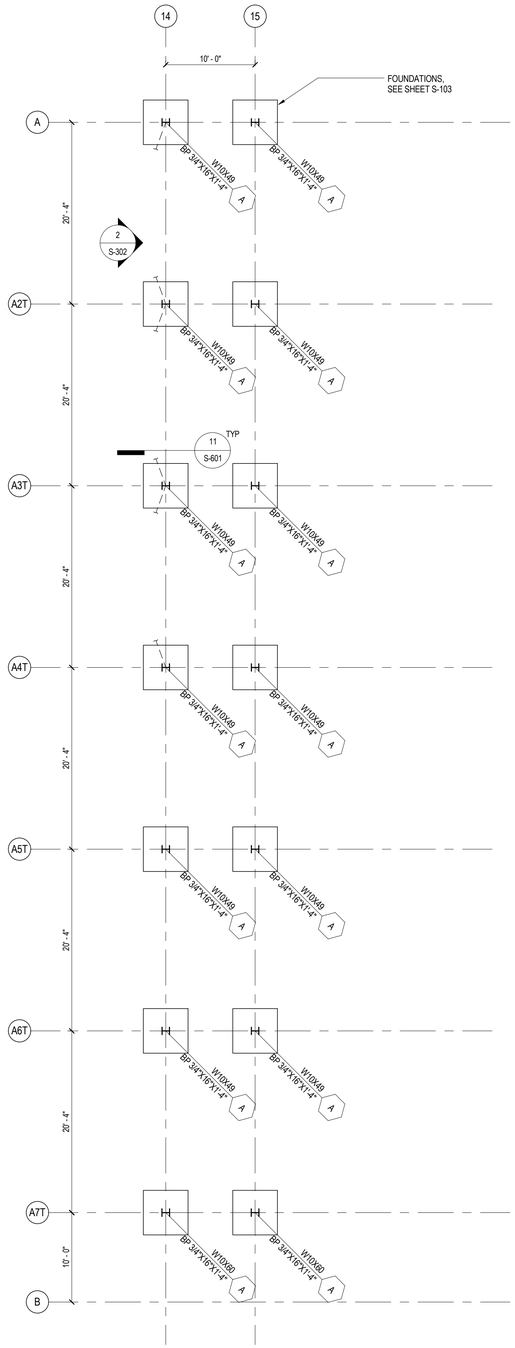
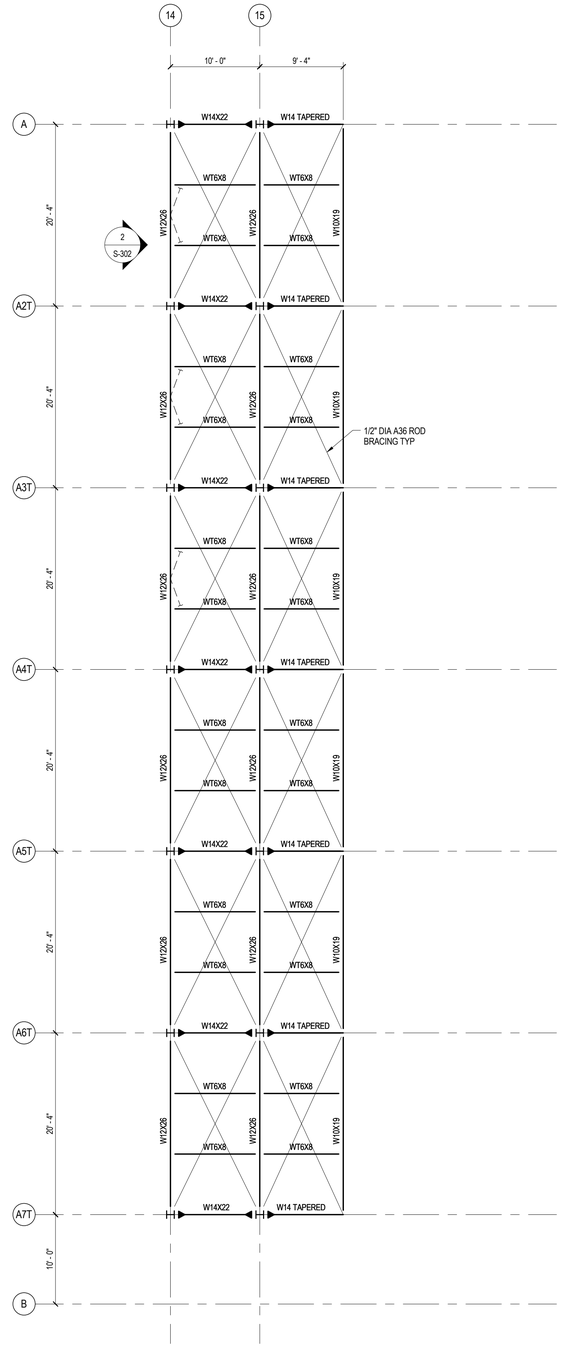


GROUND LEVEL PLAN NOTES:

1. REFERENCE ELEVATION 101.13' = 0'-0"
2. VERIFY ALL DIMENSIONS SHOWN WITH ARCHITECTURAL DRAWINGS.
3. FOR FOUNDATION PLAN SEE SHEETS S-101, S-102, & S-103.
4. SEE DETAIL 4/S-601 FOR STEEL COLUMN BASE PLATE DETAIL.

3 FIRST FLOOR PLAN - TENNIS GRANDSTAND

1/8" = 1'-0"



ROOF FRAMING PLAN NOTES:

1. REFERENCE ELEVATION 101.13' = 0'-0"
2. TOP OF STEEL BEAMS SHALL BE AT ELEVATION 17'-1 1/4" UNLESS OTHERWISE NOTED IN PARENTHESIS: (XXX'-XX")
5. ▶—½ INDICATES RIGID CONNECTION, SEE DETAILS 10/S-710 AND 11/S-710
6. FOR BEAM TO COLUMN AND BEAM TO BEAM CONNECTIONS, SEE SHEET S-710
10. c = INDICATES CAMBER UP AT MIDSPAN. WHERE NO CAMBER IS INDICATED, FABRICATE BEAMS WITH NATURAL CAMBER UP.

4 ROOF FRAMING PLAN - TENNIS GRANDSTAND

1/8" = 1'-0"

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CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS

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CITY OF LOS ANGELES

NO.	REVISIONS:	DATE:	BY:

BUILDING NO.

INDEX NO. RP 300094

REGISTERED PROFESSIONAL ENGINEER PATRICK D. ROORDA No. S46607 Exp 6-30-17 STRUCTURAL CIVIL OF CALIFORNIA

VERTICAL CONTROL:
HORIZONTAL CONTROL:

SHEET TITLE: FIRST FLOOR AND ROOF FRAMING PLAN - TENNIS GRANDSTAND

PROJECT: RANCHO CIENEGA SPORTS COMPLEX

ADDRESS: 5001 RODEO ROAD LOS ANGELES, CA 90016

CITY ENGINEER	DATE:
GARY LEE MOORE, PE, ENV SP	OCT 15 2016
ARCHITECTURAL DIVISION	
ENGINEER: DERRICK ROORDA, PE LIC. NO. S46607	
DESIGNED BY: JR	
DRAWN BY: EN	
CHECKED BY:	
APPROVED BY:	

WORK ORDER NO. E1907694

PLAN FILE NO.

DRAWING NO. S-209

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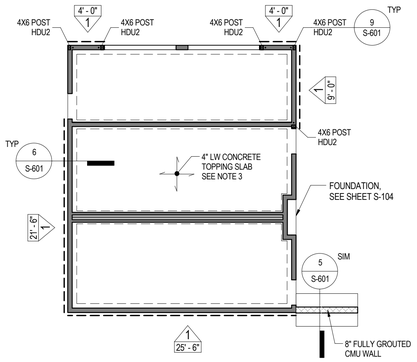
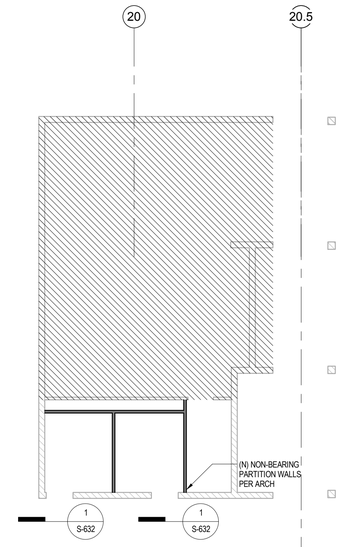


GROUND LEVEL PLAN NOTES:

1. REFERENCE ELEVATION 101.13' = 0'-0"
2. TOP OF FINISH FLOOR ELEVATION = 0' - 0" UON.
3. PROVIDE 4" THK MAX LW CONCRETE TOPPING SLAB W/ MACRO-SYNTHETIC FIBERS AT A DOSAGE RATE OF 4.0 LBS/CY. SEE ARCHITECTURAL DRAWINGS FOR SLOPING AND CONTROL JOINT LOCATIONS.
4. VERIFY ALL DIMENSIONS SHOWN WITH ARCHITECTURAL DRAWINGS.
5. FOR FOUNDATION PLAN SEE SHEETS S-101, S-102, & S-103.
6. SEE ARCHITECTURAL DRAWINGS FOR CONCRETE CURB DIMENSIONS AND LOCATIONS.
7. WOOD STUD BEARING WALLS SHALL BE 2X6 AT 16" OC UON. FOR TYPICAL FRAMING AT OPENINGS SEE DETAIL 10/S-800 . SEE DETAIL 11/S-800 FOR WOOD SHEAR WALL ELEVATION AND SCHEDULE.
8. WOOD STUD NON-BEARING WALLS SHALL BE 2X4 MIN AT 16" OC UON.
8. SEE DETAIL 1/S-630 FOR MASONRY WALL REINFORCEMENT. SEE DETAIL 7/S-630 FOR TYPICAL MASONRY WALL ELEVATION.
9. SEE DETAIL 1/S-601 FOR TYPICAL STEEL COLUMN AT STRUCTURAL SLAB DETAIL. SEE DETAIL 4/S-601 FOR STEEL COLUMN BASE PLATE DETAIL.

1 FIRST FLOOR PLAN - BLEACHER BATHROOM

1/8" = 1'-0"

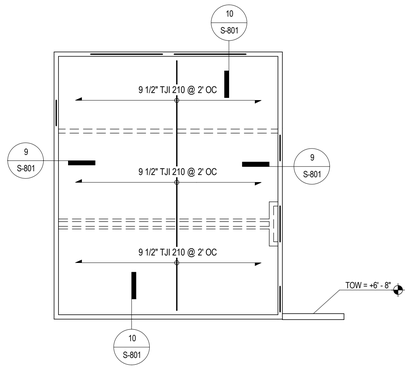


2 FIRST FLOOR PLAN - TENNIS PRO SHOP

1/8" = 1'-0"

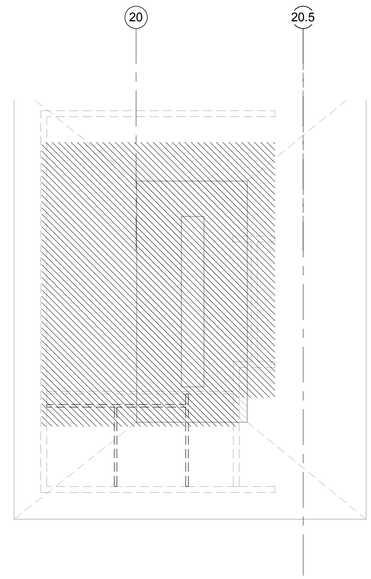
ROOF FRAMING PLAN NOTES:

1. REFERENCE ELEVATION 101.13' = 0'-0"
2. VERIFY ALL DIMENSIONS SHOWN WITH ARCHITECTURAL DRAWINGS.
3. ROOF SHALL BE 3/4" PLYWOOD SHEATHING. SEE 2/S-800 FOR PLYWOOD NAILING SCHEDULE.



3 ROOF PLAN - BLEACHER BATHROOM

1/8" = 1'-0"



4 ROOF PLAN - TENNIS PRO SHOP

1/8" = 1'-0"

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OFFICIAL RECORD

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BUROHAPPOLD ENGINEERING

BUREAU OF ENGINEERING

ENGINEERING
CITY OF LOS ANGELES

NO.	REVISIONS:	DATE:	BY:

BUILDING NO.

INDEX NO. RP 300094

REGISTERED PROFESSIONAL ENGINEER
PATRICK D. ROORDA
No. S46071
EXP. 6-30-17
STRUCTURAL
STATE OF CALIFORNIA

BID SET SUBMITTAL

CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS

GARY LEE MOORE, PE, ENV SP CITY ENGINEER

ARCHITECTURAL DIVISION

ENGINEER: DERRICK ROORDA, PE LIC. NO. S46071

DESIGNED BY: JR

DRAWN BY: EN

CHECKED BY:

APPROVED BY:

DATE: 2015 2016

VERTICAL CONTROL:

HORIZONTAL CONTROL:

SHEET TITLE: BATHROOM AND TENNIS PRO SHOP PLANS

PROJECT: RANCHO CIENEGA SPORTS COMPLEX

ADDRESS: 5001 RODEO ROAD
LOS ANGELES, CA 90016

WORK ORDER NO. E1907694

PLAN FILE NO.

DRAWING NO. S-210

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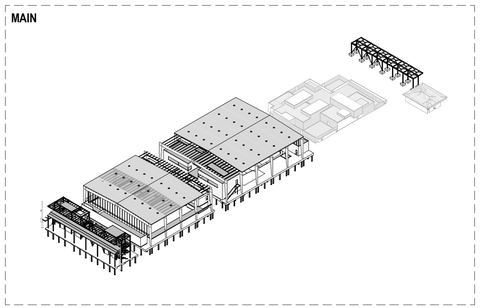

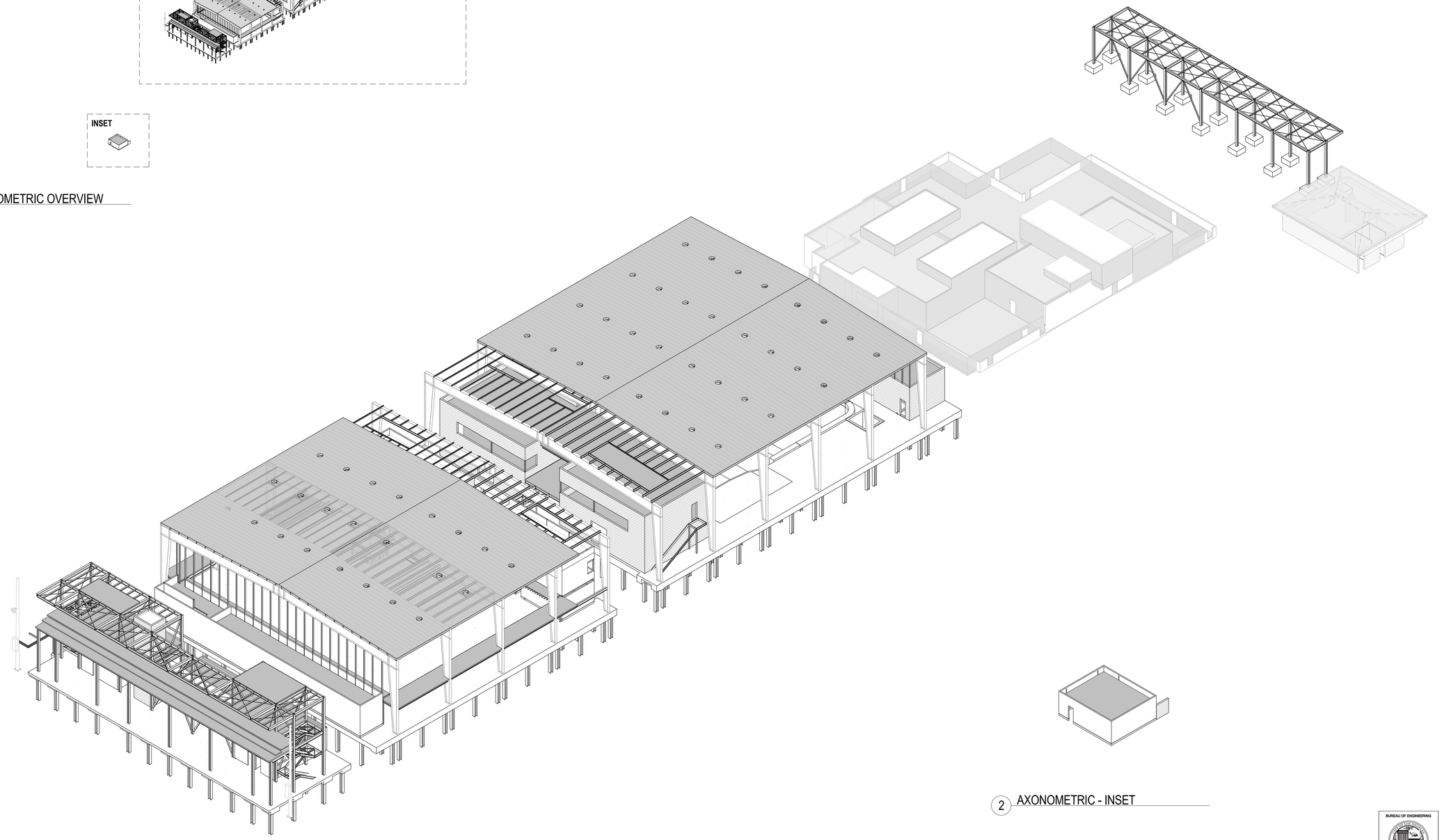

3 AXONOMETRIC OVERVIEW

1 AXONOMETRIC - MAIN

2 AXONOMETRIC - INSET

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BUREAU OF ENGINEERING

ENGINEERING
CITY OF LOS ANGELES

NO.	REVISIONS:	DATE:	BY:

BUILDING NO.

INDEX NO. RP 300094

REGISTERED PROFESSIONAL ENGINEER
PATRICK D. ROORDA
No. S46071
EXP. 6-30-17
CIVIL
STRUCTURAL
STATE OF CALIFORNIA

BID SET SUBMITTAL

DEPARTMENT OF PUBLIC WORKS

CITY OF LOS ANGELES

VERTICAL CONTROL:	
HORIZONTAL CONTROL:	
SHEET TITLE:	AXONOMETRIC
PROJECT:	RANCHO CIENEGA SPORTS COMPLEX
ADDRESS:	5001 RODEO ROAD LOS ANGELES, CA 90016

GARY LEE MOORE, PE, ENV SP	CITY ENGINEER
ARCHITECTURAL DIVISION	
ENGINEER: DERRICK ROORDA, PE	LIC. NO. S46071
DESIGNED BY: JR	
DRAWN BY: EN	
CHECKED BY:	
APPROVED BY:	

DATE: OCT 15 2016

BUREAU OF ENGINEERING
OFFICIAL RECORD

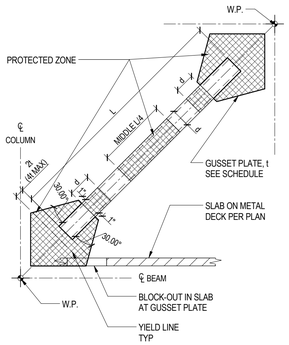
N

BUROHAPPOLD ENGINEERING

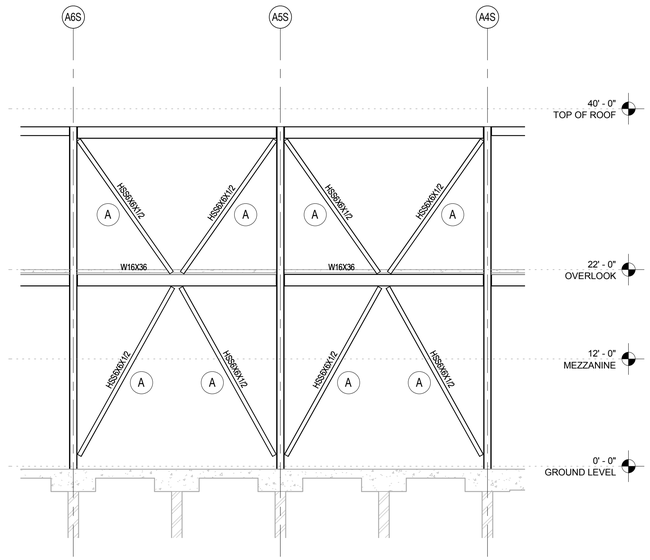
WORK ORDER NO. E1907694
PLAN FILE NO.
DRAWING NO. S-301
SHEET OF SHEETS

PLOTTED: ----

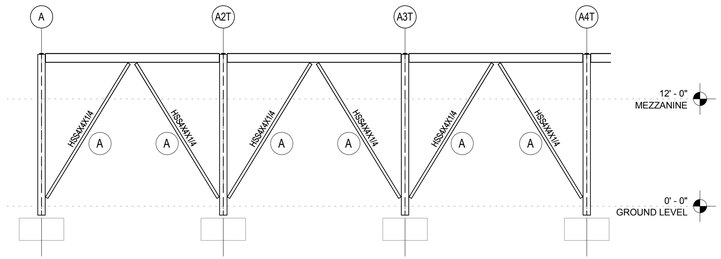
BRACE FRAME ELEVATION NOTES:
1. FOR TOP OF SLAB AND TOP OF STEEL ELEVATIONS SEE PLANS.
2. (X) INDICATES THE CONNECTION TYPE AT EACH END OF BRACE MEMBER. SEE SHEET S-712 FOR SCHEDULE AND DETAILS.
3. FOR COLUMN SIZES, SEE COLUMN SCHEDULE ON SHEET S-400
4. SEE PLAN FOR BEAM SIZES NOT SHOWN
5. PROTECTED ZONES:



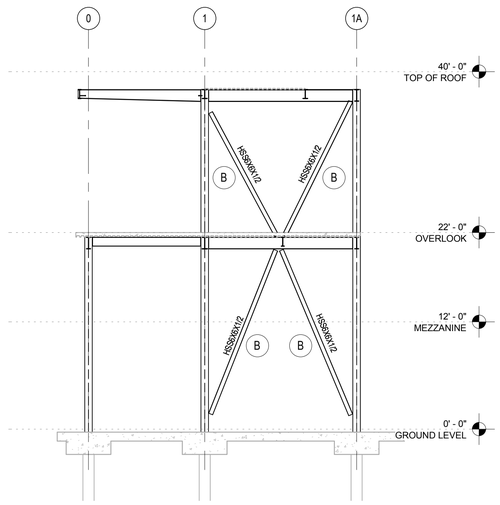
PORTIONS OF THE BRACED FRAMES DESIGNATED AS "PROTECTED ZONE" SHALL COMPLY WITH THE FOLLOWING:
- NO WELDED SHEAR STUDS ARE PERMITTED
- NO DECKING ATTACHMENTS THAT PENETRATE THE BEAM FLANGE ARE PERMITTED (NO POWDER ACTUATED FASTENERS), BUT DECKING ARC SPOT WELDS ARE PERMITTED.
- NO WELDED, BOLTED, SCREWED, OR SHOT-IN ATTACHMENTS FOR EDGE ANGLES, EXTERIOR FACADES, PARTITIONS, DUCT WORK, PIPING, ETC. ARE PERMITTED
- DISCONTINUITIES FROM FABRICATION OR ERECTION OPERATIONS (SUCH AS TACK WELDS, ERECTION AIDS, ETC.) SHALL BE REPAIRED.
- NO MISCELLANEOUS ATTACHMENTS ARE PERMITTED



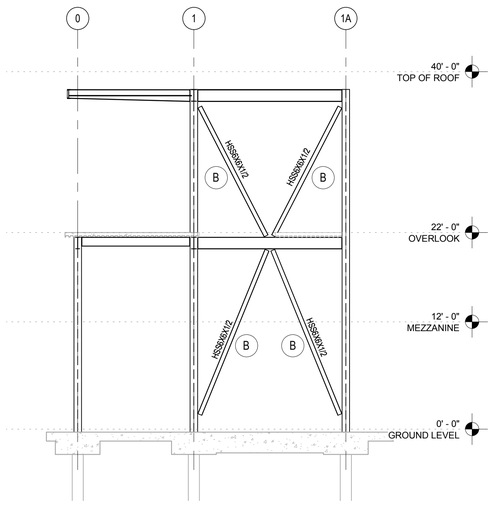
1 STADIUM BRACED FRAME ELEVATION @ GL 1 A5-A6
1/8" = 1'-0"



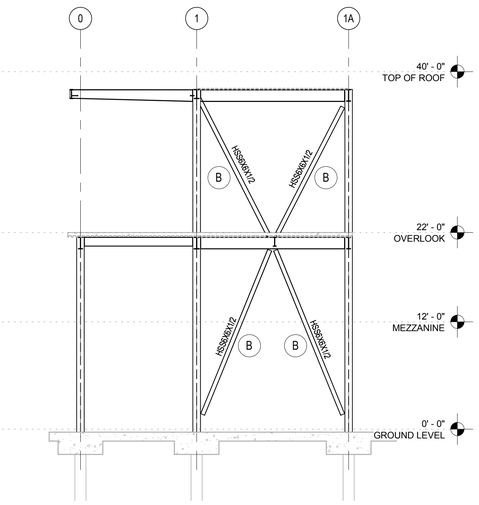
2 TENNIS BRACED FRAME ELEVATION @ GL A20A
1/8" = 1'-0"



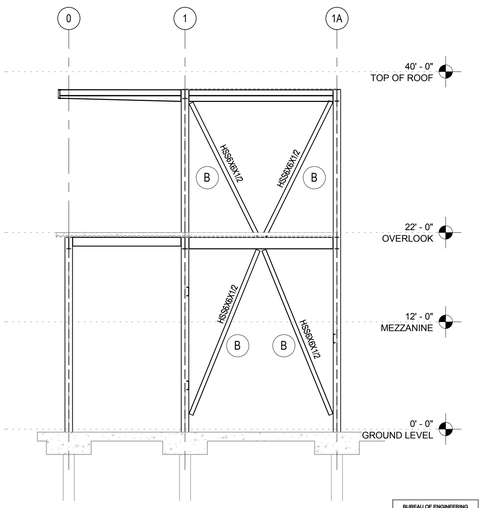
05 STADIUM BRACED FRAME ELEVATION @ GL A2
1/8" = 1'-0"



6 STADIUM BRACED FRAME ELEVATION @ GL A4
1/8" = 1'-0"



7 STADIUM BRACED FRAME ELEVATION @ GL A6
1/8" = 1'-0"



8 STADIUM BRACED FRAME ELEVATION @ GL A7
1/8" = 1'-0"

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BUROHAPPOLD ENGINEERING

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BUREAU OF ENGINEERING
ENGINEERING
CITY OF LOS ANGELES

NO. REVISIONS: DATE: BY:

BUILDING NO.

INDEX NO. RP 300094

REGISTERED PROFESSIONAL ENGINEER
DERRICK D. RODRIGUEZ
No. S46607
EXP. 6-30-17
CIVIL STRUCTURAL
STATE OF CALIFORNIA

BID SET SUBMITTAL

CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS

GARY LEE MOORE, PE, ENV SP CITY ENGINEER

ENGINEER: DERRICK RODRIGUEZ, PE LIC. NO. S46607
ARCHITECTURAL DIVISION
DESIGNED BY: JR
DRAWN BY: EN
CHECKED BY:
APPROVED BY:
DATE: 6/15/2016

VERTICAL CONTROL:
HORIZONTAL CONTROL:

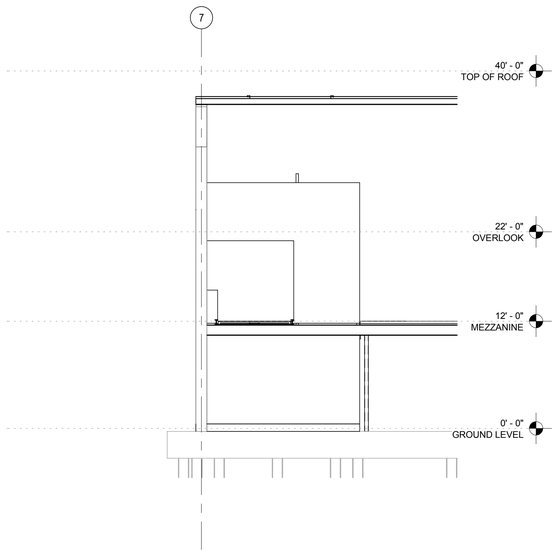
SHEET TITLE: BRACE FRAME ELEVATIONS

PROJECT: RANCHO CIENEGA SPORTS COMPLEX

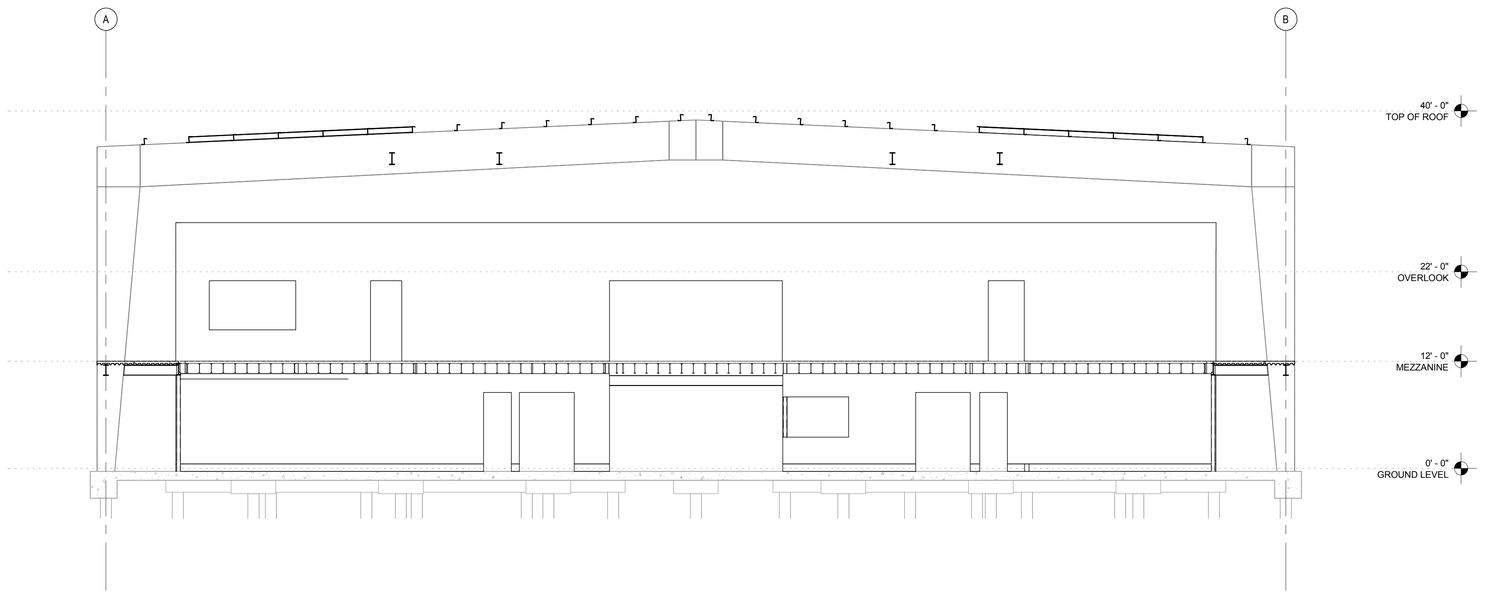
ADDRESS: 5001 RODEO ROAD
LOS ANGELES, CA 90016

WORK ORDER NO. E1907694
PLAN FILE NO.
DRAWING NO. S-302
SHEET OF SHEETS

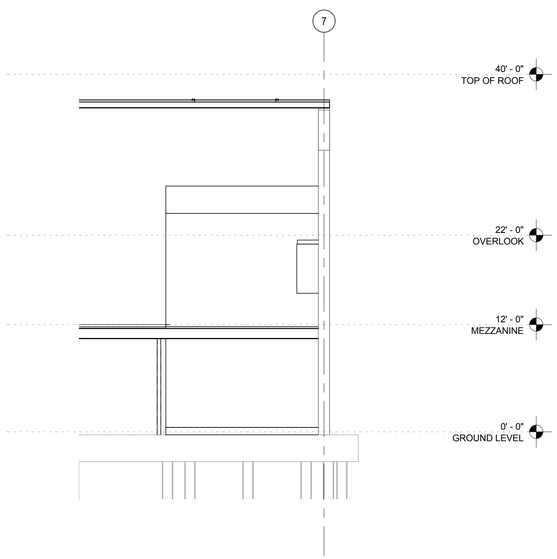
PLOTTED: ----



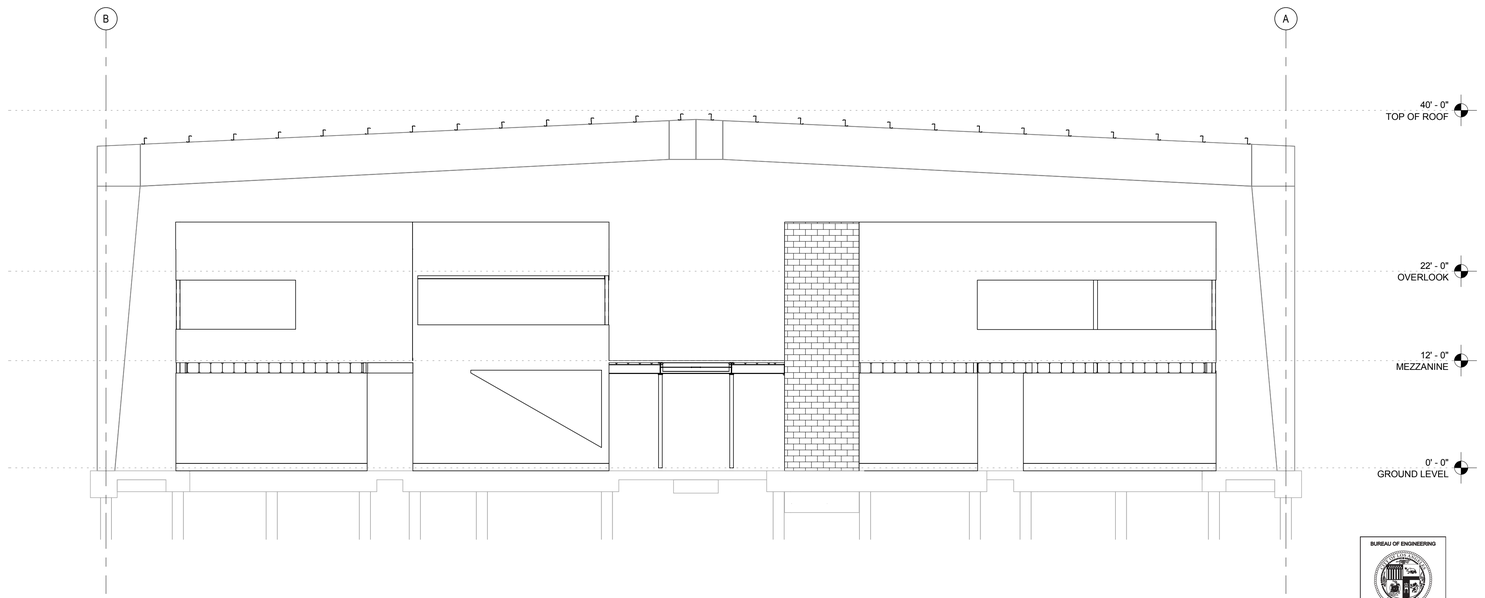
02 WALL ELEVATION @ GL A (FROM GL 7 TO 8)
1/8" = 1'-0"



01 WALL ELEVATION @ GL 7
1/8" = 1'-0"



04 WALL ELEVATION @ GL B (FROM GL 7 TO 8)1
1/8" = 1'-0"



03 WALL ELEVATION @ GL 8
1/8" = 1'-0"

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CITY OF LOS ANGELES

NO.	REVISIONS:	DATE:	BY:

BUILDING NO.

INDEX NO. RP 300094

REGISTERED PROFESSIONAL ENGINEER
PATRICK D. ROBERTSON
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STRUCTURAL
OF CALIFORNIA

BID SET SUBMITTAL

CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS

CITY ENGINEER
GARY LEE MOORE, PE, ENV SP
ARCHITECTURAL DIVISION
DATE: 2015

ENGINEER: DERRICK ROORDA, PE LIC. NO. S4607
DESIGNED BY: JR
DRAWN BY: EN
CHECKED BY:
APPROVED BY:

VERTICAL CONTROL:
HORIZONTAL CONTROL:

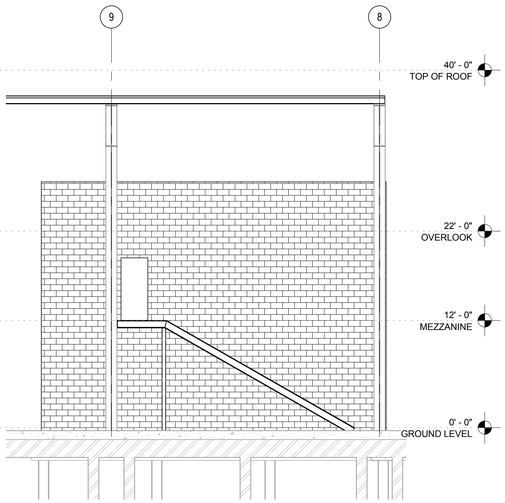
SHEET TITLE: WALL ELEVATIONS

PROJECT: RANCHO CIENEGA SPORTS COMPLEX

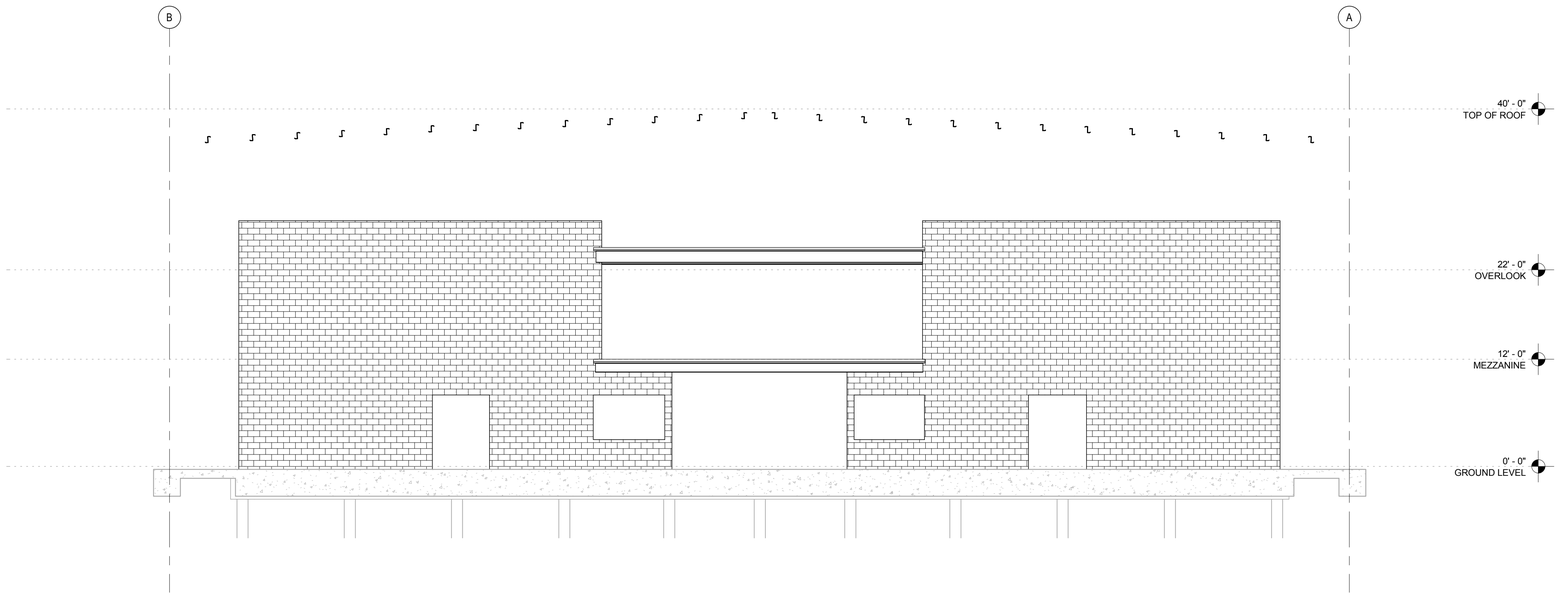
ADDRESS: 5001 RODEO ROAD
LOS ANGELES, CA 90016

WORK ORDER NO. E1907694
PLAN FILE NO.
DRAWING NO. S-303
SHEET OF SHEETS

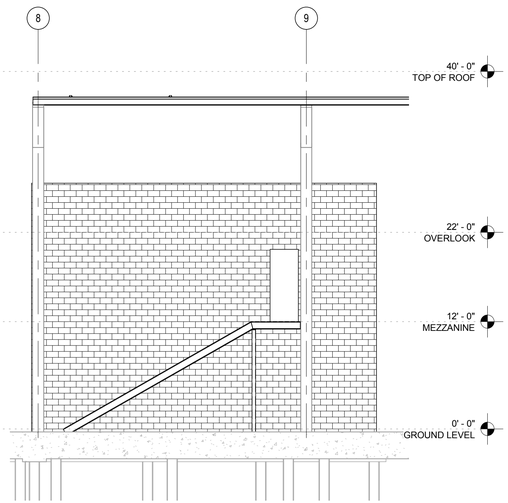
PLOTTED: ----



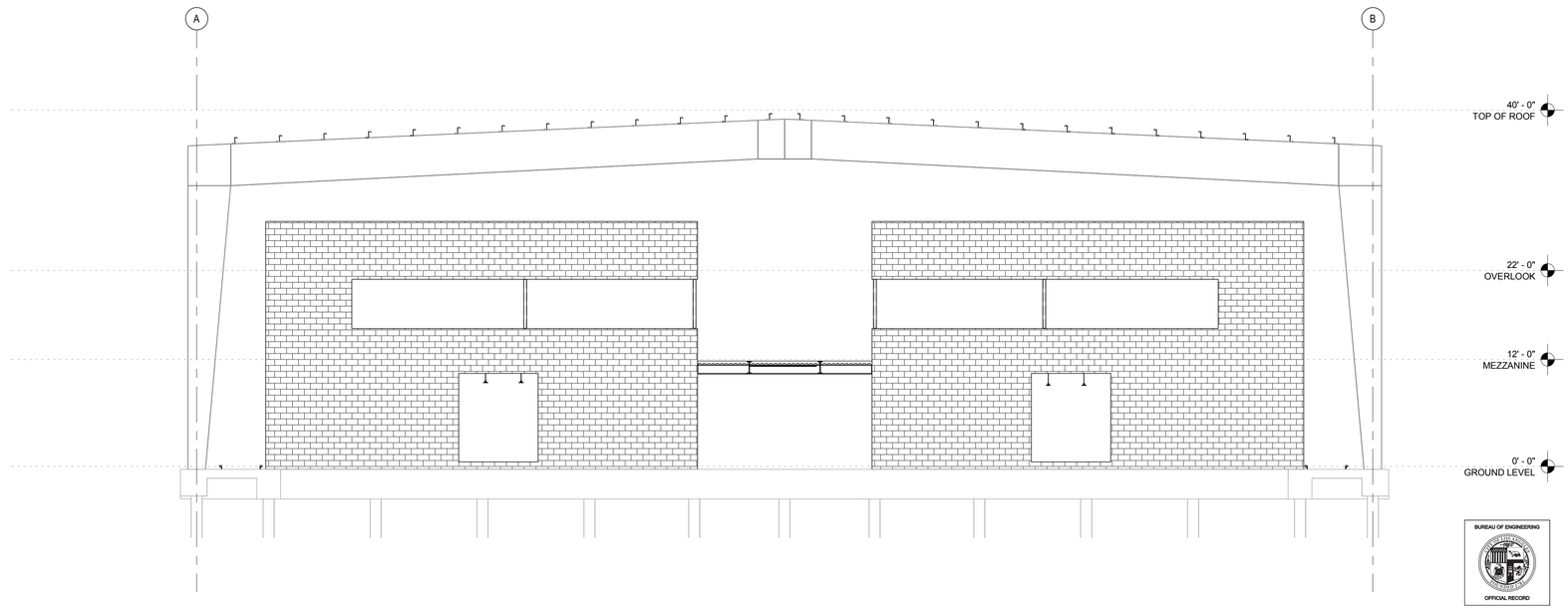
02 WALL ELEVATION @ GL A 9-10
1/8" = 1'-0"



01 WALL ELEVATION @ GL 9.5
1/8" = 1'-0"



04 WALL ELEVATION @ GL B 9-10
1/8" = 1'-0"



03 WALL ELEVATION @ GL 9
1/8" = 1'-0"

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OFFICIAL RECORD

BUREAU OF ENGINEERING
ENGINEERING
CITY OF LOS ANGELES

NO.	REVISIONS:	DATE:	BY:

BUILDING NO.

INDEX NO. RP 300094

REGISTERED PROFESSIONAL ENGINEER
PATRICK D. ROORDA
No. 54607
EXP 6-30-17
CIVIL
STRUCTURAL
STATE OF CALIFORNIA

BID SET SUBMITTAL

CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS

CITY ENGINEER
GARY LEE MOORE, PE, ENV SP
ARCHITECTURAL DIVISION
DATE: OCT 15 2015
LIC. NO. S4607

ENGINEER: DERRICK ROORDA, PE
DESIGNED BY: JR
DRAWN BY: EN
CHECKED BY:
APPROVED BY:

VERTICAL CONTROL:
HORIZONTAL CONTROL:

SHEET TITLE: WALL ELEVATIONS

PROJECT: RANCHO CIENEGA SPORTS COMPLEX

ADDRESS: 5001 RODEO ROAD
LOS ANGELES, CA 90016

WORK ORDER NO. E1907694
PLAN FILE NO.
DRAWING NO. S-304
SHEET OF SHEETS

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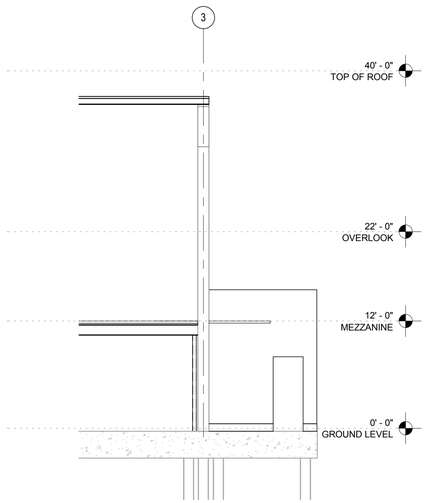
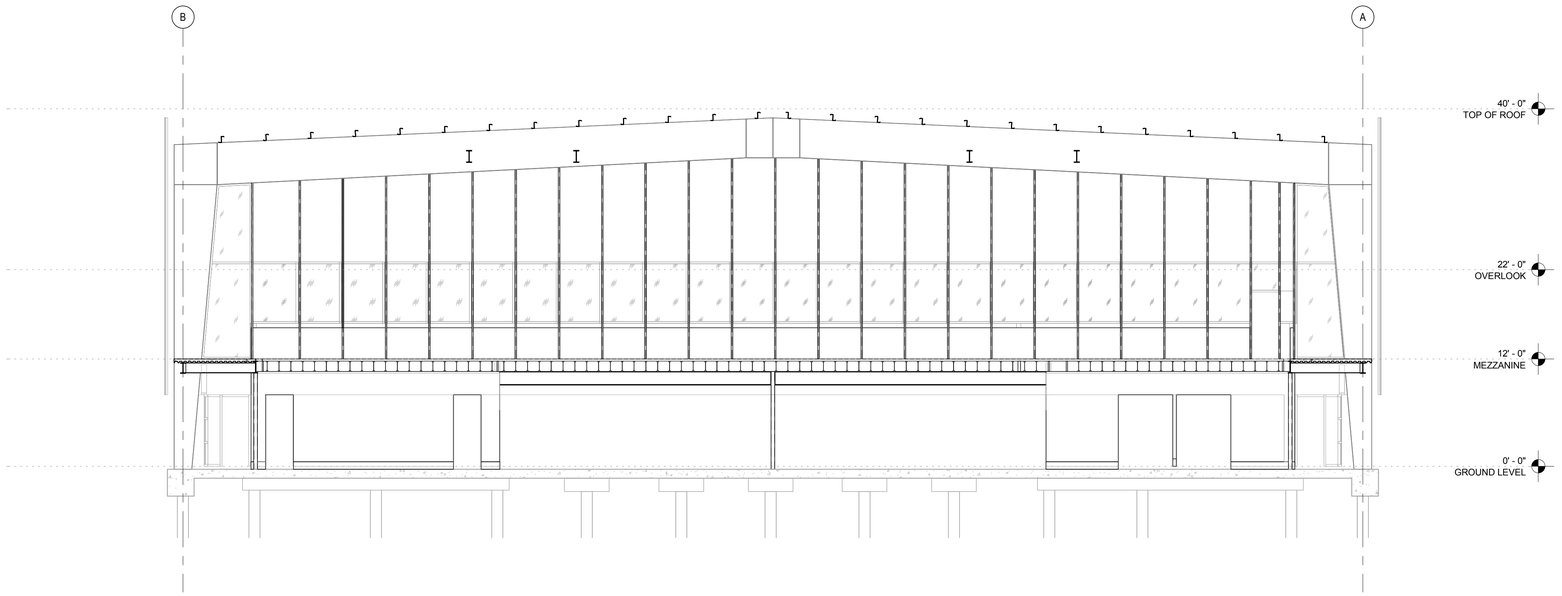


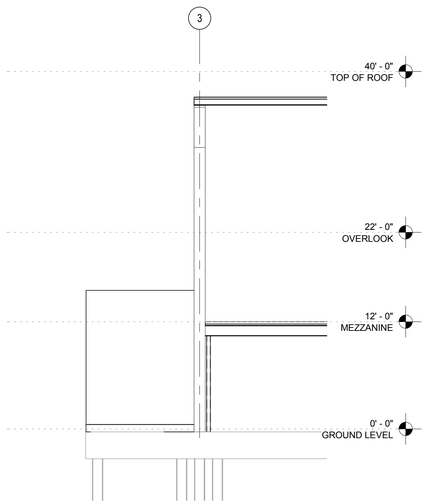
02 WALL ELEVATION @ GL A 2.5-3.5

1/8" = 1'-0"



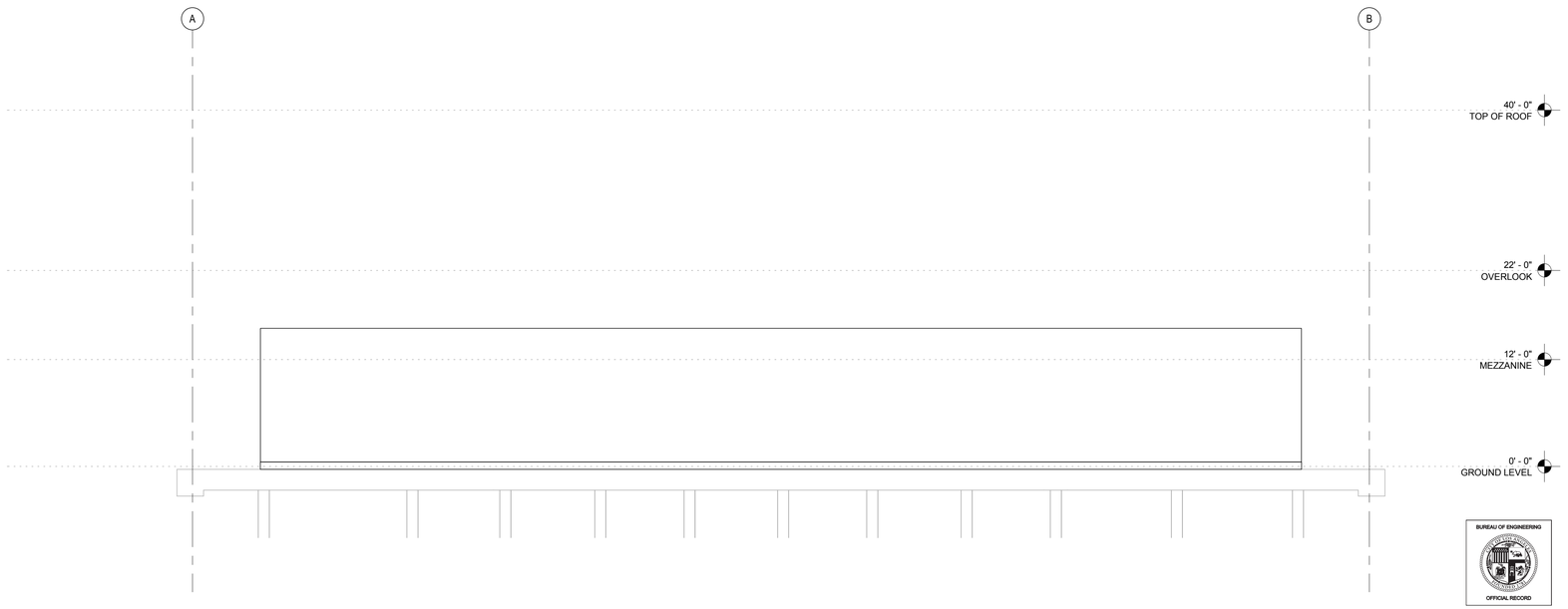
01 WALL ELEVATION @ GL 3.5

1/8" = 1'-0"



04 WALL ELEVATION @ GL B 2.5-3.5

1/8" = 1'-0"



03 WALL ELEVATION @ GL 2.5

1/8" = 1'-0"

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CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS

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CITY OF LOS ANGELES

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BUILDING NO.

INDEX NO. RP 300094

REGISTERED PROFESSIONAL ENGINEER
PATRICK D. ROORDA
No. 54607
EXP. 6-30-17
CIVIL
STATE OF CALIFORNIA

CITY ENGINEER
GARY LEE MOORE, PE, ENV SP
ARCHITECTURAL DIVISION
DATE: 2016

ENGINEER: DERRICK ROORDA, PE LIC. NO. S4607
DESIGNED BY: JR
DRAWN BY: EN
CHECKED BY:
APPROVED BY:

VERTICAL CONTROL:
HORIZONTAL CONTROL:

SHEET TITLE: WALL ELEVATIONS

PROJECT: RANCHO CIENEGA SPORTS COMPLEX

ADDRESS: 5001 RODEO ROAD
LOS ANGELES, CA 90016

WORK ORDER NO.
E1907694

PLAN FILE NO.

DRAWING NO.
S-305

SHEET OF SHEETS

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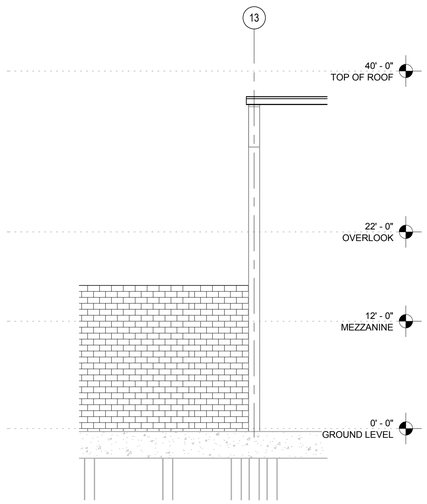
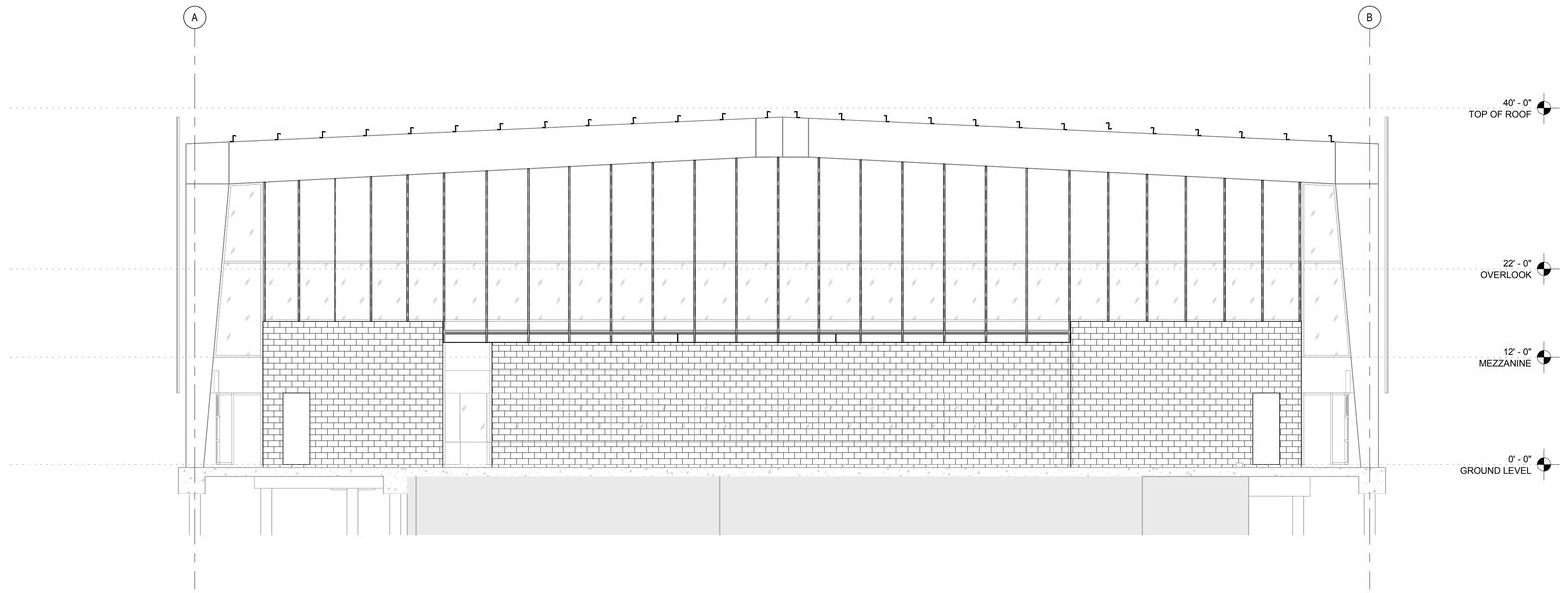


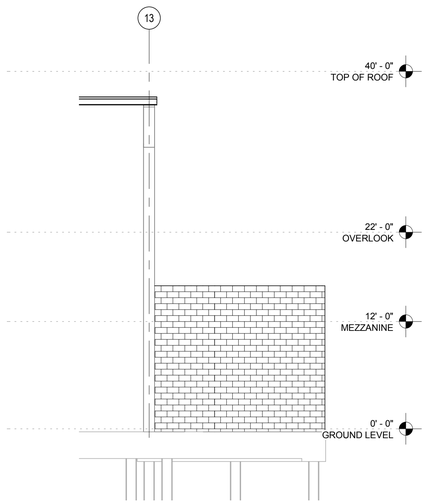
02 WALL ELEVATION @ GL A 13-13.5

1/8" = 1'-0"



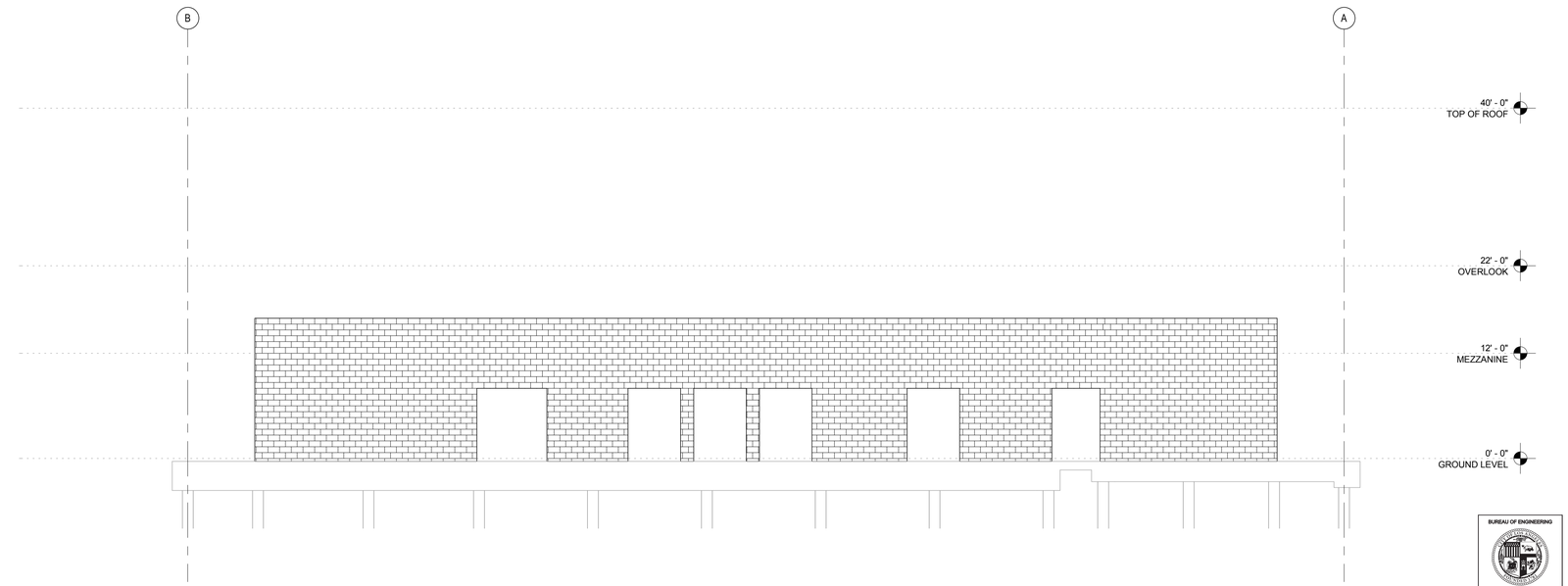
01 WALL ELEVATION @ GL 13

1/8" = 1'-0"



04 WALL ELEVATION @ GL B 13-13.5

1/8" = 1'-0"



03 WALL ELEVATION @ GL 13.5

1/8" = 1'-0"

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CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS

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ENGINEERING
CITY OF LOS ANGELES

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3			
4			
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BUILDING NO.

INDEX NO. RP 300094

REGISTERED PROFESSIONAL ENGINEER
DERRICK D. ROORDA
No. 54607
EXP. 6-30-17
CIVIL
STATE OF CALIFORNIA

CITY ENGINEER
GARY LEE MOORE, PE, ENV SP
ARCHITECTURAL DIVISION
DATE: 2015 2016

ENGINEER: DERRICK ROORDA, PE LIC. NO. S4607
DESIGNED BY: JR
DRAWN BY: EN
CHECKED BY:
APPROVED BY:

VERTICAL CONTROL:
HORIZONTAL CONTROL:

SHEET TITLE: WALL ELEVATIONS

PROJECT: RANCHO CIENEGA SPORTS COMPLEX

ADDRESS: 5001 RODEO ROAD
LOS ANGELES, CA 90016

WORK ORDER NO.
E1907694

PLAN FILE NO.

DRAWING NO.
S-306

SHEET OF SHEETS

PLOTTED: ----

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01 SECTION 1

1/16" = 1'-0"

02 SECTION 2

1/16" = 1'-0"

03 SECTION 3

1/16" = 1'-0"

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BUROHAPPOLD ENGINEERING

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CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS

BUREAU OF ENGINEERING

ENGINEERING
CITY OF LOS ANGELES

NO.	REVISIONS:	DATE:	BY:

BUILDING NO.

INDEX NO. RP 300094

REGISTERED PROFESSIONAL ENGINEER
PATRICK D. ROORDA
No. S460?
EXP 6-30-17
CIVIL
STRUCTURAL
STATE OF CALIFORNIA

CITY ENGINEER

GARY LEE MOORE, PE, ENV SP
ARCHITECTURAL DIVISION
LIC. NO. S4607

DATE: OCT 15 2016

ENGINEER: DERRICK ROORDA, PE
DESIGNED BY: JR
DRAWN BY: EN
CHECKED BY:
APPROVED BY:

VERTICAL CONTROL:
HORIZONTAL CONTROL:

SHEET TITLE: WALL ELEVATIONS

PROJECT: RANCHO CIENEGA SPORTS COMPLEX

ADDRESS: 5001 RODEO ROAD
LOS ANGELES, CA 90016

WORK ORDER NO.
E1907694

PLAN FILE NO.

DRAWING NO.
S-307

SHEET OF SHEETS

PLOTTED: ----

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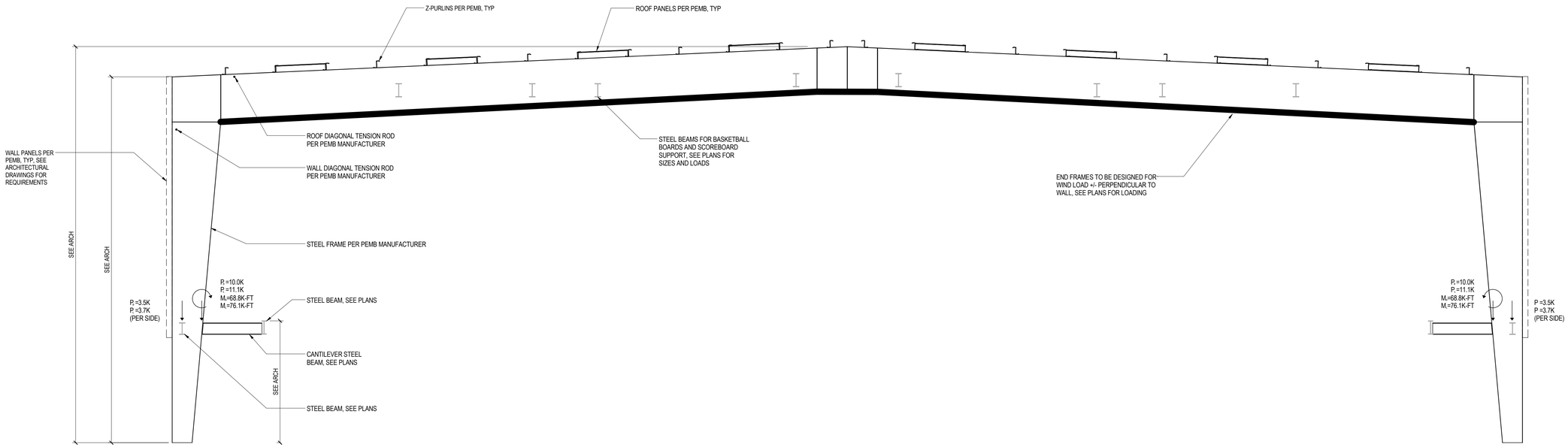
REVISION DATE: 7/21/2015 5:02 PM FILE: Z:\14-018 RANCHO CIENEGA SPORTS COMPLEX\DRAWINGS\CAD\BLOCKS\TITLEBLOCKS\LA_BOE_TTLB_RCSC_DESIGN DEVELOPMENT.DWG



1 LOADING CRITERIA - TYPICAL RIGID FRAME

3/16" = 1'-0"

PEMB MANUFACTURER FRAMING NOTES:

1. SEE SHEET S-002 AND PLANS FOR ADDITIONAL LOADS (ROOF, WIND, SEISMIC, ETC.) FOR PRE-ENGINEERED BUILDING SYSTEM.
2. LOADS SHOWN ARE UNFACTORED LOADS, PEMB TO DESIGN WITH APPROPRIATE LOAD COMBINATIONS PER CBC.
3. DESIGN FOR WIND AND SEISMIC LOADS PER CBC. SEE GENERAL NOTES FOR DESIGN PARAMETERS.
4. MAXIMUM DRIFT IN EACH ORTHOGONAL DIRECTION TO BE PER MAXIMUM LIMITS IN CBC.
5. SUPERIMPOSED ROOF DEAD LOAD INCLUDES ALLOWANCE FOR PV PANELS.

BUREAU OF ENGINEERING
OFFICIAL RECORD

N

BUROHAPPOLD ENGINEERING

BID SET SUBMITTAL

CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS

BUREAU OF ENGINEERING

ENGINEERING
CITY OF LOS ANGELES

NO. | REVISIONS: | DATE: | BY:

BUILDING NO.

INDEX NO. RP 300094

REGISTERED PROFESSIONAL ENGINEER
DERRICK D. ROORDA
No. S46071
EXP. 6-30-17
STRUCTURAL
STATE OF CALIFORNIA

CITY ENGINEER

GARY LEE MOORE, PE, ENV SP

ARCHITECTURAL DIVISION

DATE: 15 2016

LIC. NO. S46071

ENGINEER: DERRICK ROORDA, PE

DESIGNED BY: JR

DRAWN BY: EN

CHECKED BY:

APPROVED BY:

VERTICAL CONTROL:

HORIZONTAL CONTROL:

SHEET TITLE: PRE-ENGINEERED METAL BUILDING CRITERIA

PROJECT: RANCHO CIENEGA SPORTS COMPLEX

ADDRESS: 5001 RODEO ROAD
LOS ANGELES, CA 90016

WORK ORDER NO. E1907694

PLAN FILE NO.

DRAWING NO. S-310

SHEET OF SHEETS

PLOTTED: ----

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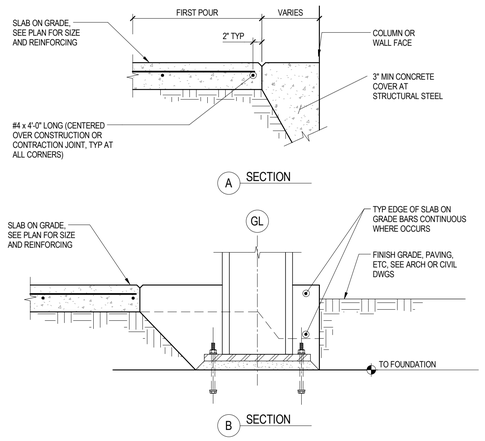
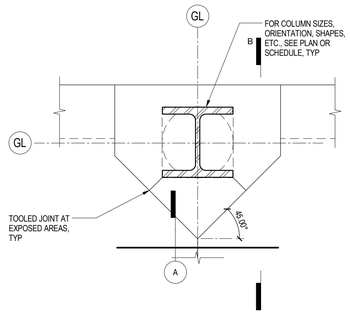
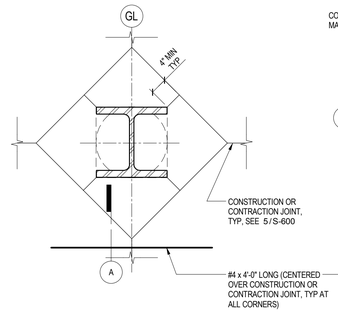
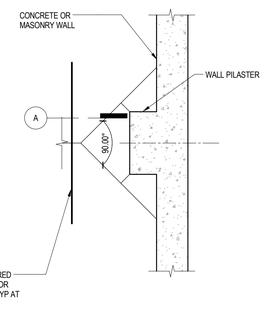




PLAN @ EXTERIOR COLUMN
PLAN IS SIMILAR AT CORNERS



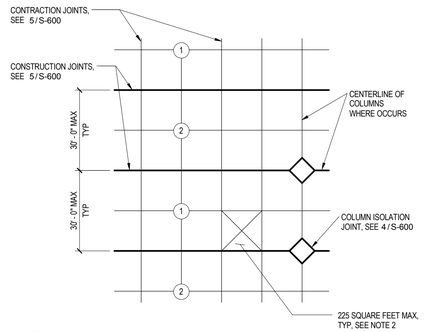
PLAN @ INTERIOR COLUMN



PLAN @ WALL PILASTER

4 TYPICAL COLUMN ISOLATION JOINT

STR-CON-GRD-005-I
NTS

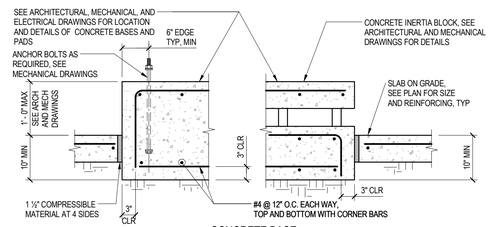


NOTES:

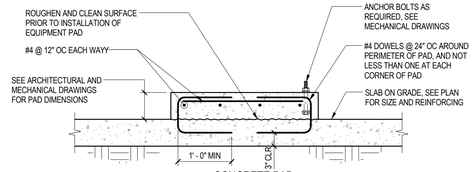
1. SLAB SHALL BE POURED IN STRIP PATTERN.
   (1) =FIRST POUR (2) =SECOND POUR
2. STRIPS TO BE DIVIDED BY CONSTRUCTION JOINTS AT THE CENTER LINE OF COLUMNS WHERE THEY OCCUR AND SUBDIVIDED AS REQUIRED INTO AREAS NOT EXCEEDING 225 SQUARE FEET BY CONTRACTION JOINTS.
3. IN AREAS WHERE COLUMNS DO NOT OCCUR PROVIDE CONSTRUCTION AND CONTRACTION JOINTS AS ABOVE.
4. CONTRACTORS SHALL OBTAIN ARCHITECT'S APPROVAL FOR ALL JOINT LOCATIONS.

1 METHOD OF POURING SLAB ON GRADE

STT-CON-GRD-001-I
NTS



CONCRETE BASE

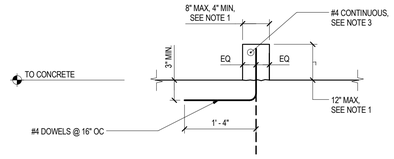


CONCRETE PAD

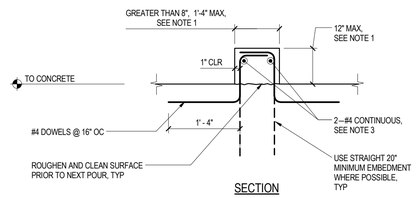
NOTES:
1. CONCRETE FOR THE PAD SHALL BE PLACED AFTER THE CONCRETE FOR THE STRUCTURAL SLAB HAS ATTAINED THE SPECIFIED COMPRESSIVE STRENGTH.

7 EQUIPMENT BASE AND PAD

STR-CON-GRD-002-I
NTS



SECTION

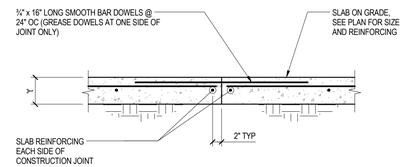


SECTION

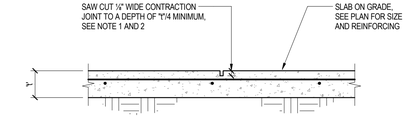
NOTES:
1. SIZE AND LOCATION OF CURBS AS REQUIRED PER ARCHITECTURAL AND MECHANICAL DRAWINGS.
2. PROVIDE INSERTS IN CURBS AS REQUIRED PER ARCHITECTURAL AND MECHANICAL DRAWINGS.
3. USE 1'-6" x 1'-6" DOWELS AT CORNERS AND ENDS OF CURBS.

6 TYPICAL CONCRETE CURB

STR-CON-GRD-006-I
NTS



CONSTRUCTION JOINT

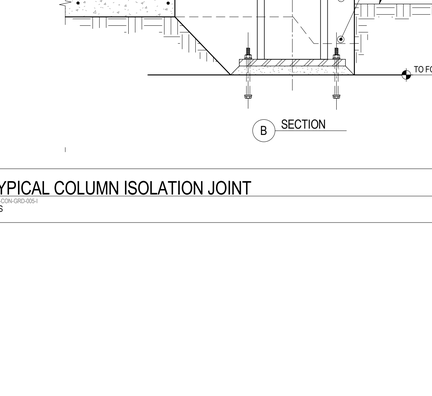


CONTRACTION JOINT

NOTES:
1. SAWING MUST OCCUR AS SOON AS CONCRETE SURFACE IS FIRM ENOUGH TO AVOID BEING DAMAGED, BUT NO LATER THAN 12 HOURS AFTER CONCRETE HAS BEEN POURED.
2. REINFORCEMENT SHALL NOT BE DAMAGED DURING SAWING.

5 TYPICAL JOINTS IN SLAB ON GRADE

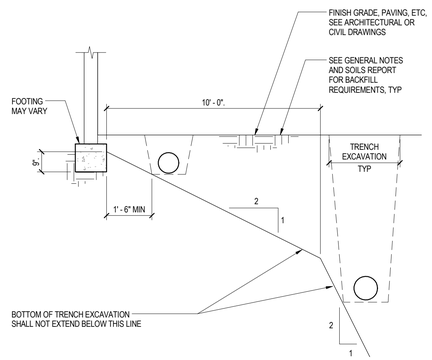
STR-CON-GRD-003-I
NTS



NOTES:
1. FOR PIPES 3'-0" OR LESS BELOW BOTTOM OF FOOTINGS PROVIDE SLEEVE AND CONCRETE AS SHOWN. FOR PIPES MORE THAN 3'-0" USE STEPPED FOOTING TO STAY WITHIN 3'-0" LIMIT.

12 EXCAVATION PERPENDICULAR TO FOOTING

STR-CON-GRD-008-I
NTS



NOTES:
1. THE CONTRACTOR SHALL COORDINATE ALL EXCAVATION OPERATIONS WITH BUILDING FOUNDATION REQUIREMENTS.

11 EXCAVATION PARALLEL TO FOOTING

STR-CON-GRD-007-I
NTS

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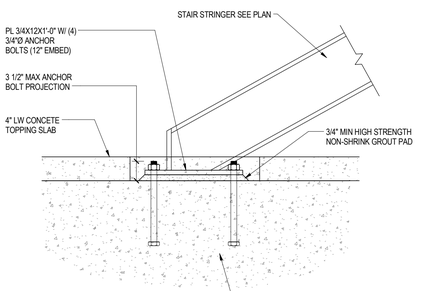

2 TYPICAL STEEL STAIR STRINGER BASE

1" = 1'-0"

N

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BUREAU OF ENGINEERING
CITY OF LOS ANGELES
ENGINEERING

NO. | REVISIONS: | DATE: | BY:

BUILDING NO.

INDEX NO. RP 300094

REGISTERED PROFESSIONAL ENGINEER
STRUCTURAL
No. S4607
Exp. 6-30-17
STATE OF CALIFORNIA

BID SET SUBMITTAL

CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS

GARY LEE MOORE, PE, ENV SP — CITY ENGINEER — DATE: 2016 15
ARCHITECTURAL DIVISION
ENGINEER: DERRICK ROORDA, PE — LIC. NO. S4607
DESIGNED BY: JR
DRAWN BY: EN
CHECKED BY:
APPROVED BY:

VERTICAL CONTROL:
HORIZONTAL CONTROL:

SHEET TITLE: FOUNDATION DETAILS

PROJECT: RANCHO CIENEGA SPORTS COMPLEX

ADDRESS: 5001 RODEO ROAD
LOS ANGELES, CA 90016

WORK ORDER NO. E1907694
PLAN FILE NO.
DRAWING NO. S-600
SHEET SHEETS OF

PLOTTED: ----

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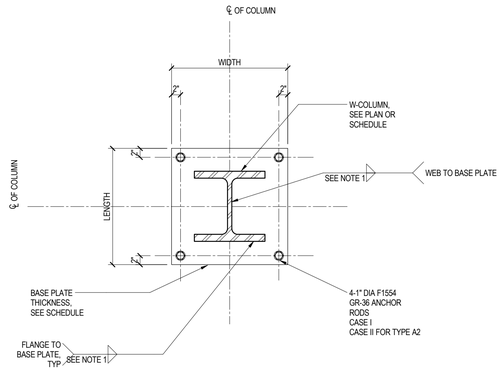
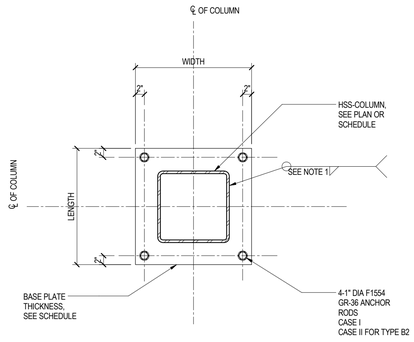


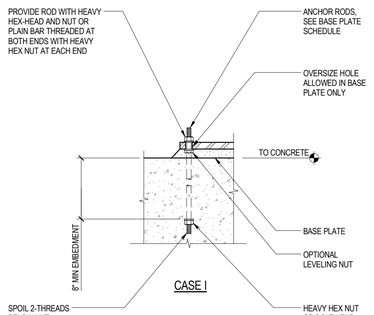
BASE PLATE DETAIL TYPE - A

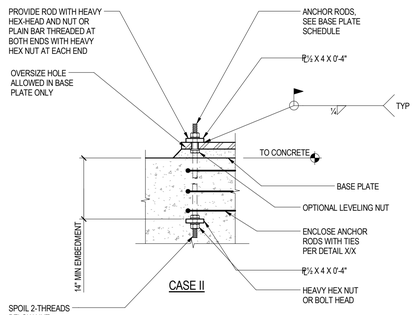


BASE PLATE DETAIL TYPE - B

NOTE:
1. FILLET WELD SHALL BE ¼" OR AISC MIN.
2. ALL GROUT HOLES IN BASE PLATE SHALL BE AUTHORIZED WITH ENGINEER.

4 BASE PLATE TYPES
NTS

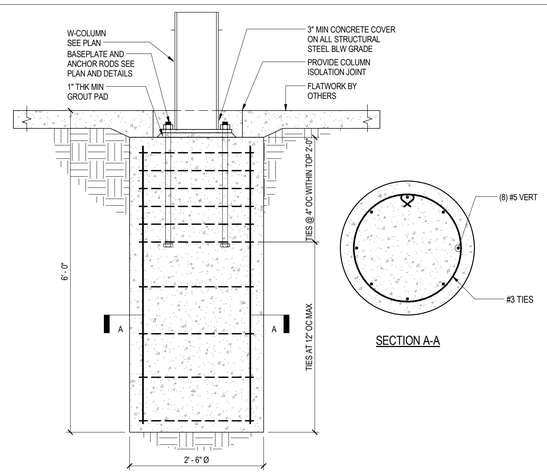




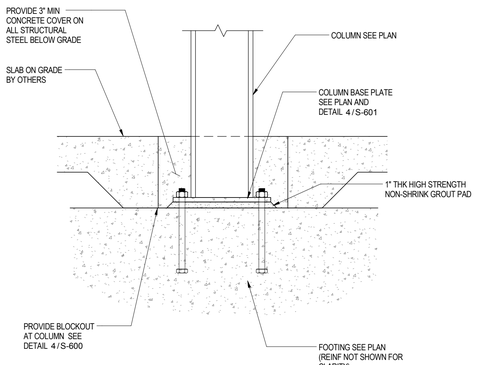
NOTES:

1. DO NOT TIGHTEN ANCHOR RODS UNTIL 7 DAYS AFTER CONCRETE IS PLACED.

8 HEADED ANCHOR ROD
NTS

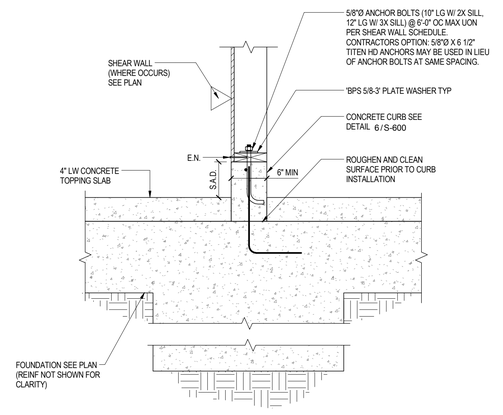


SECTION A-A

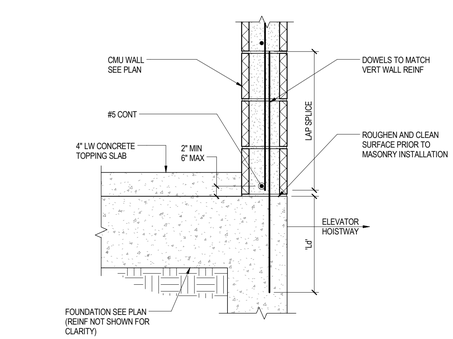


12 FOOTING AT STADIUM CANOPY
3/4" = 1'-0"

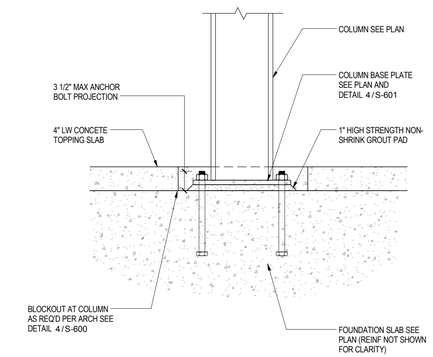
11 STEEL COLUMN BASE AT TENNIS CANOPY
1" = 1'-0"



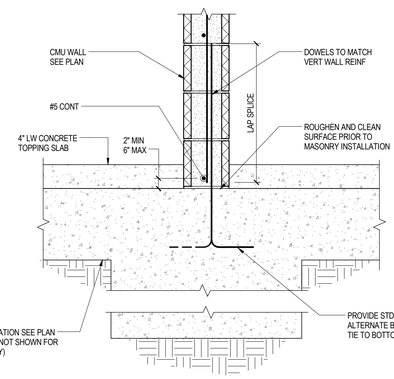
6 STUD WALL AT FOUNDATION
1" = 1'-0"



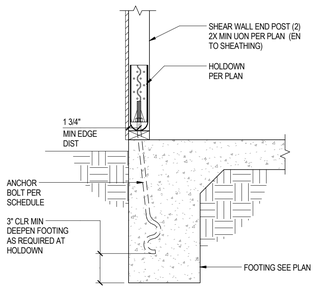
10 CMU WALL AT ELEVATOR PIT
1" = 1'-0"



1 TYPICAL STEEL COLUMN AT FOUNDATION
NTS



5 CMU WALL AT FOUNDATION
1" = 1'-0"



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OFFICIAL RECORD

HOLDOWN	ANCHOR BOLT
HDU2	SSTB24 (1)
HDU4	SB 5/8X24
HDU5	SB 5/8X24
HDU8	SSTB28 (1)
HDU11	SB1X30

NOTES:
1. USE SSTBL w/ 3X SILL PLATE

9 HOLDOWN ANCHOR BOLT SCHEDULE
NTS

N

BUROHAPPOLD ENGINEERING

BUREAU OF ENGINEERING
CITY OF LOS ANGELES

BID SET SUBMITTAL

CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS

NO.	REVISIONS:	DATE:	BY:

BUILDING NO.

INDEX NO. RP 300094

REGISTERED PROFESSIONAL ENGINEER PATRICK D. RODROQUEZ No. 54607 E 12-30-17 STRUCTURAL CIVIL STATE OF CALIFORNIA

GARY LEE MOORE, PE, ENV SP CITY ENGINEER
ARCHITECTURAL DIVISION
LIC. NO. S-54607
DATE: 2016 15

ENGINEER: DERRICK ROORDA, PE
DESIGNED BY: JR
DRAWN BY: EN
CHECKED BY:
APPROVED BY:

VERTICAL CONTROL:
HORIZONTAL CONTROL:

SHEET TITLE: FOUNDATION DETAILS

PROJECT: RANCHO CIENEGA SPORTS COMPLEX

ADDRESS: 5001 RODEO ROAD
LOS ANGELES, CA 90016

WORK ORDER NO. E1907694
PLAN FILE NO.
DRAWING NO. S-601
SHEET OF SHEETS

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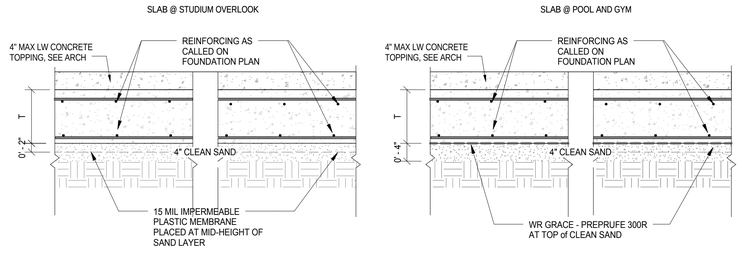
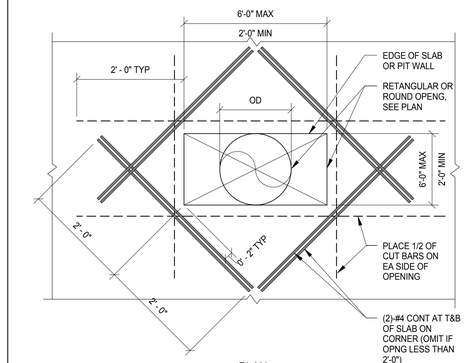


NOTES:

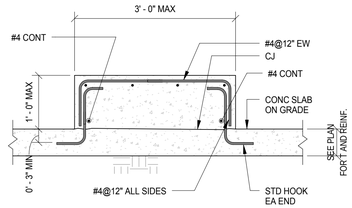
T INDICATES SLAB THICKNESS PER PLAN.

1 TYPICAL CONCRETE SLAB
3/4" = 1'-0"



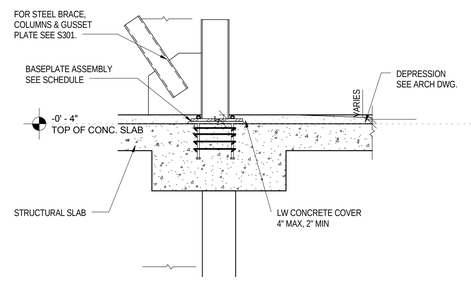
PLAN

2 OPENING IN CONCRETE SLAB
3/4" = 1'-0"

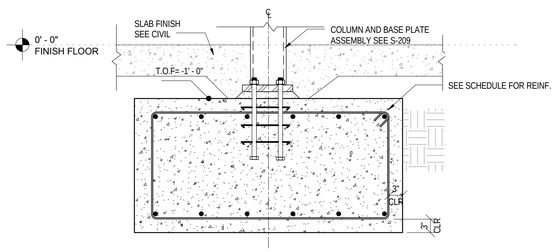


NOTES:
1. SEE ARCH & MEP DWGS FOR CURB SIZE, LOCATION & EMBEDMENTS, UNO.

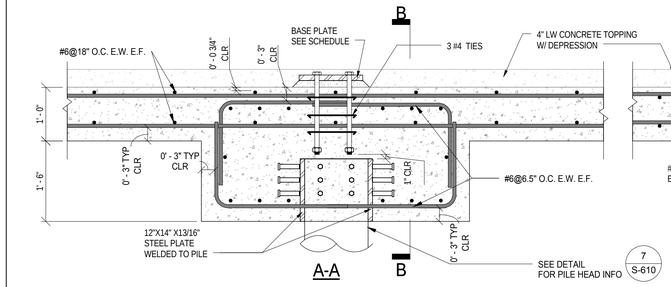
3 CONCRETE CURB ON (N) CONC SLAB
3/4" = 1'-0"



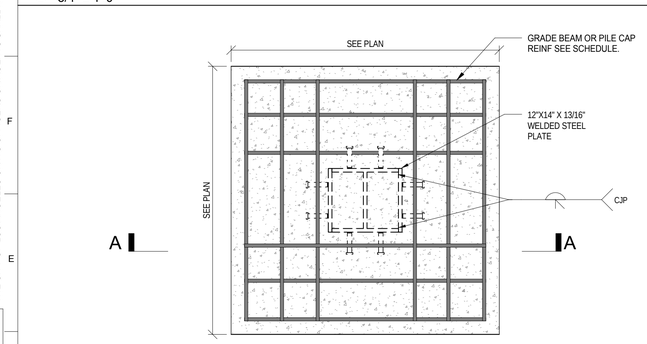
4 CONCRETE SLAB AND BASE PLATE SECTION
3/8" = 1'-0"

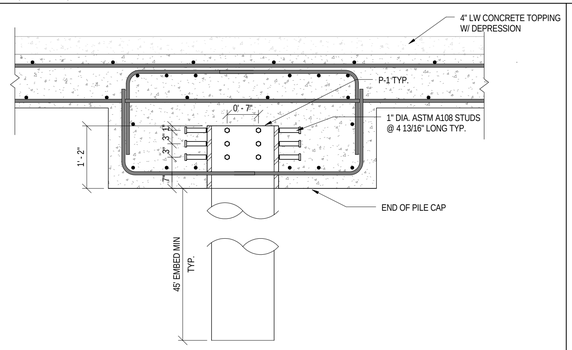


5 FOOTING SECTION AT TENNIS GRANDSTAND
3/4" = 1'-0"



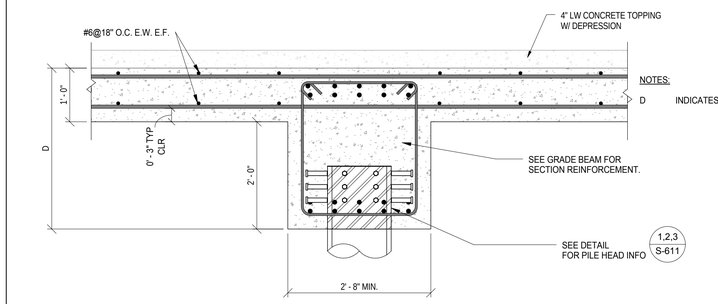
6 TYPICAL PILE CAP /BASE PLATE CONNECTION
3/4" = 1'-0"





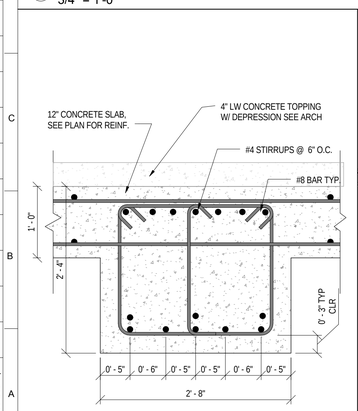
A-A

7 TYPICAL PILE CAP
3/4" = 1'-0"

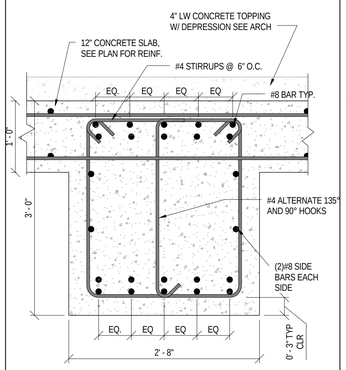


NOTES:
D INDICATES GRADE BEAM DEPTH PER PLAN.

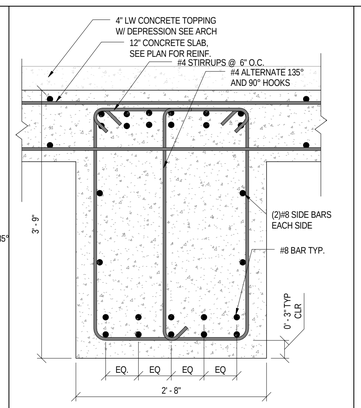
8 TYPICAL SLAB TO GRADE BEAM CONNECTION
3/4" = 1'-0"



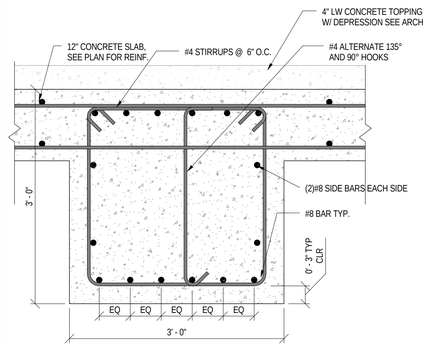
9 TYP GB-1 SECTION
1" = 1'-0"



10 TYP GB-2 SECTION
1" = 1'-0"



11 TYP GB-3 SECTION
1" = 1'-0"



12 TYP GB-4 SECTION
1" = 1'-0"

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CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS
BUREAU OF ENGINEERING

NO.	REVISIONS:	DATE:	BY:

BUILDING NO.

INDEX NO. RP 300094 -

REGISTERED PROFESSIONAL ENGINEER
JUAN CARLOS ESQUIVEL
No. S 4074
Exp. 9-30-18
STRUCTURAL
STATE OF CALIFORNIA

CITY ENGINEER
GARY LEE MOORE, PE, ENV SP
ARCHITECTURAL DIVISION
DATE:
LIC. NO. S-4074
ENGINEER: JUAN CARLOS ESQUIVEL
DESIGNED BY: W.X
DRAWN BY: W.X
CHECKED BY: J.C.E.
APPROVED BY:

VERTICAL CONTROL:
HORIZONTAL CONTROL:
SHEET TITLE: FOUNDATION DETAILS
PROJECT: RANCHO CIENEGA SPORTS COMPLEX
ADDRESS: 5001 RODEO ROAD LOS ANGELES, CA 90016

BUREAU OF ENGINEERING
OFFICIAL RECORD

JCE STRUCTURAL ENGINEERING GROUP, INC.
STRUCTURAL & EARTHQUAKE ENGINEERING CONSULTANTS
35 Hugus Alley, Suite 211, Pasadena, CA 91103 Tel: (626) 585-1822 Fax (626) 585-1824

WORK ORDER NO. E1907694
PLAN FILE NO.
DRAWING NO. S-610
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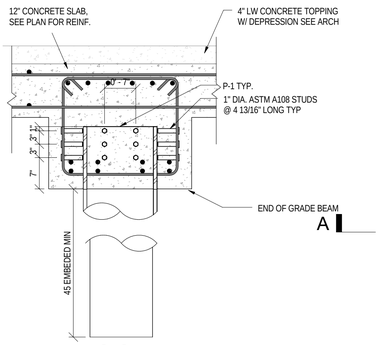
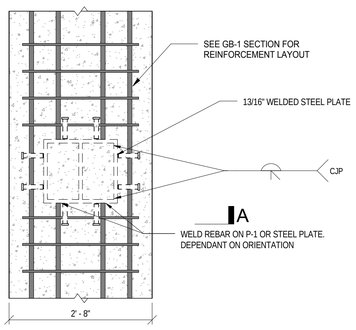
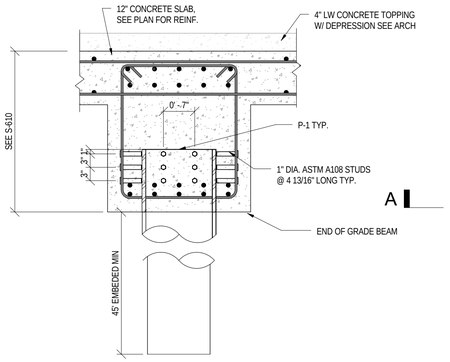
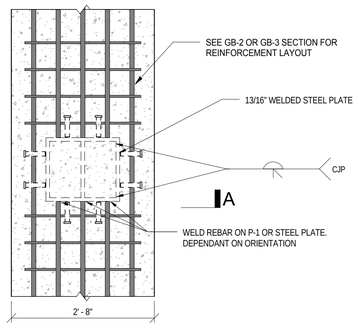




A-A

1 TYPICAL PILE TO GB-1 CONNECTION
3/4" = 1'-0"





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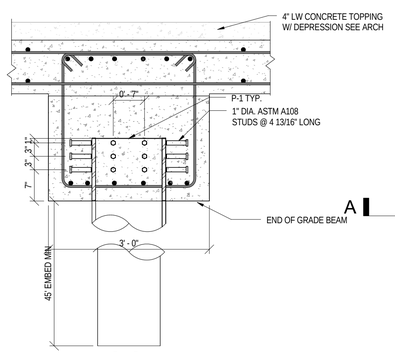
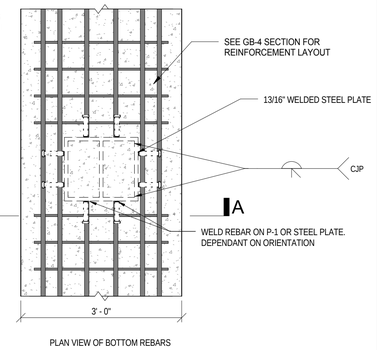
2 TYPICAL PILE TO GB-2 & GB-3 CONNECTION
3/4" = 1'-0"





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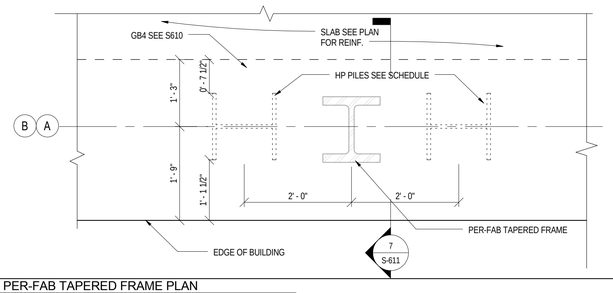
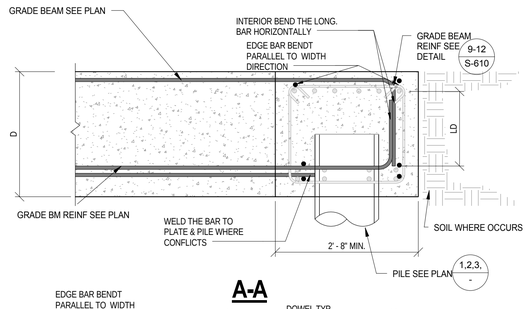
3 TYPICAL PILE TO GB-4 CONNECTION
3/4" = 1'-0"



6 PER-FAB TAPERED FRAME PLAN
3/4" = 1'-0"



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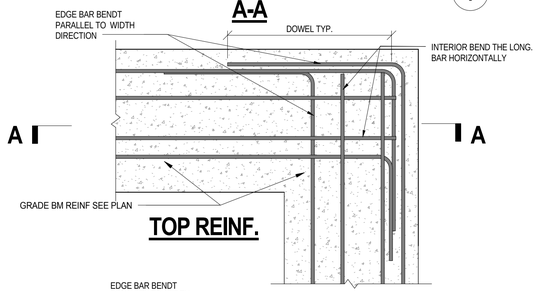
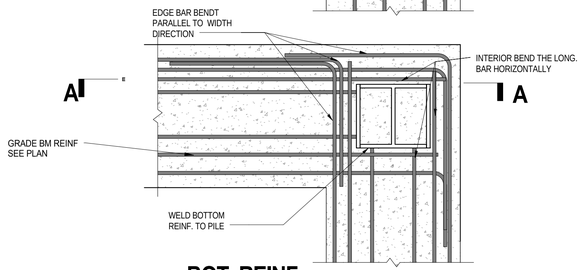


TOP REINF.

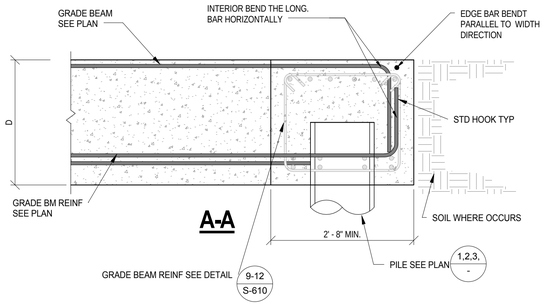


BOT. REINF.

NOTE:

GRADE BEAM TOP & BOTTOM REINF SHALL BE BENT WITH STANDARD HOOK AT THE FURTHER END OF INTERSECTING GRADE BEAM. ALL INTERIOR REINF SHALL BE BENT PARALLEL TO GRADE BEAM DEPTH DIRECTION EXCEPT THE ONES AT GRADE BEAM EDGE SHALL BE BENT PARALLEL TO GRADE BEAM WIDTH DIRECTION.

4 TYPICAL GB TO GB CORNER CONNECTION
3/4" = 1'-0"



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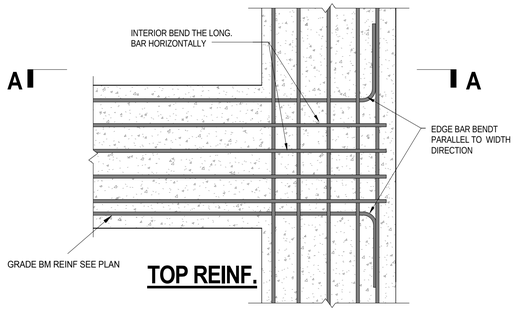
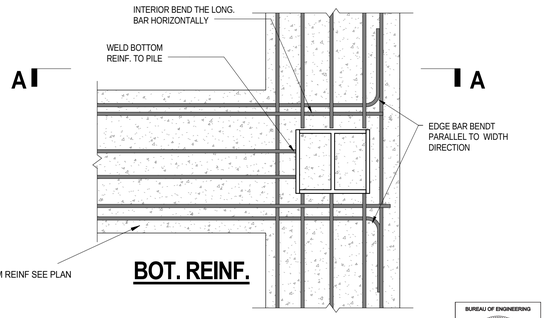


TOP REINF.

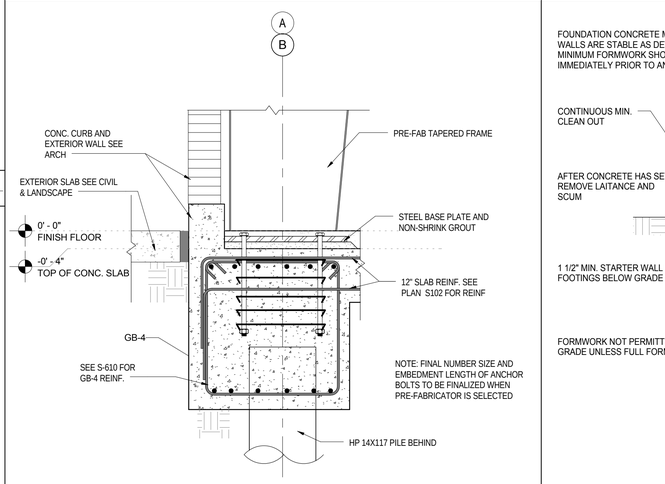


BOT. REINF.

NOTE:

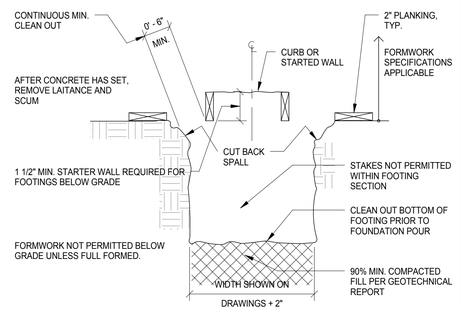
GRADE BEAM TOP & BOTTOM REINF SHALL BE BENT WITH STANDARD HOOK AT THE FURTHER END OF INTERSECTING GRADE BEAM. ALL INTERIOR REINF SHALL BE BENT PARALLEL TO GRADE BEAM DEPTH DIRECTION EXCEPT THE ONES AT GRADE BEAM EDGE SHALL BE BENT PARALLEL TO GRADE BEAM WIDTH DIRECTION.

5 TYPICAL GB TO GB 3-WAY CONNECTION
3/4" = 1'-0"

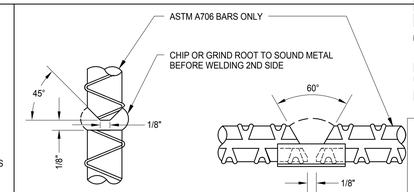


7 FRAME ANCHORAGE SECTION
3/4" = 1'-0"

FOUNDATION CONCRETE MAY BE PLACED INTO NEAT EXCAVATIONS PROVIDE THE FOUNDATION TRENCH WALLS ARE STABLE AS DETERMINED BY THE ARCHITECT (STRUCTURAL ENGINEER) IN SUCH CASE, THE MINIMUM FORMWORK SHOWN ON THE DRAWINGS IS MANDATORY TO INSURE CLEAN EXCAVATIONS IMMEDIATELY PRIOR TO AND DURING THE PLACING OF CONCRETE.



8 FOUNDATION MANDATORY MIN. FORMWORK (UNLESS FULLY FORMED)
3/4" = 1'-0"



VERTICAL BARS
CADWELD T-SERIES MAY BE SUBSTITUTED FOR VERTICAL WELD SPLICE

HORIZONTAL BARS
CADWELD T-SERIES MAY BE SUBSTITUTED FOR HORIZONTAL WELD SPLICE

NOTE:
A PRE-QUALIFICATION TENSION TEST SHALL BE MADE BY AN APPROVED TESTING LABORATORY ON SAMPLES OF EVERY BAR BEING WELDED. MATERIALS CONDITIONS AND WELDING PROCEDURES UTILIZED SHALL COMPLY WITH THE CURRENT APPLICABLE BUILDING CODE AND THE REQUIREMENTS OF THE GOVERNING INSPECTION AGENCY.
ALL COSTS INCURRED FOR OBTAINING APPROVALS SHALL BE BORNE BY THE GENERAL CONTRACTOR.

9 BUTT WELDED REINFORCING BARS
3/4" = 1'-0"

JCE STRUCTURAL ENGINEERING GROUP, INC.
STRUCTURAL & EARTHQUAKE ENGINEERING CONSULTANTS
35 Hugus Alley, Suite 211, Pasadena, CA 91103 Tel: (626) 585-1822 Fax (626) 585-1824

OFFICIAL RECORD

BUREAU OF ENGINEERING

BUREAU OF ENGINEERING
NO. REVISIONS: DATE: BY:
BUILDING NO.
INDEX NO. RP 300094 -

REGISTERED PROFESSIONAL ENGINEER
JUAN CARLOS ESQUIVEL
No. S 4074
Exp. 9-30-18
STRUCTURAL
STATE OF CALIFORNIA

CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS
BID SET SUBMITTAL

CITY ENGINEER
GARY LEE MOORE, PE, ENV SP
ARCHITECTURAL DIVISION
LIC. NO. S-4074
DATE:
ENGINEER: JUAN CARLOS ESQUIVEL
DESIGNED BY: W.X
DRAWN BY: W.X
CHECKED BY: J.C.E.
APPROVED BY:

VERTICAL CONTROL:
HORIZONTAL CONTROL:
SHEET TITLE: FOUNDATION DETAILS
PROJECT: RANCHO CIENEGA SPORTS COMPLEX
ADDRESS: 5001 RODEO ROAD LOS ANGELES, CA 90016

WORK ORDER NO. E1907694
PLAN FILE NO.
DRAWING NO. S-611
SHEET OF SHEETS

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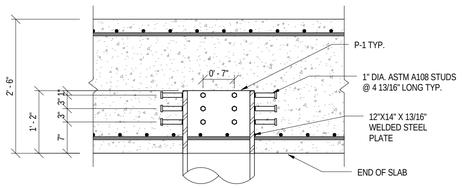
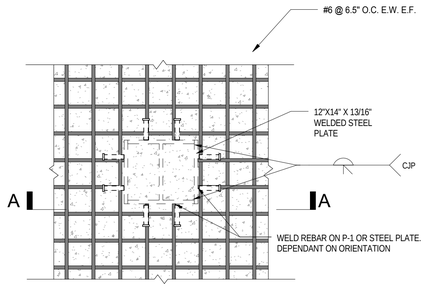
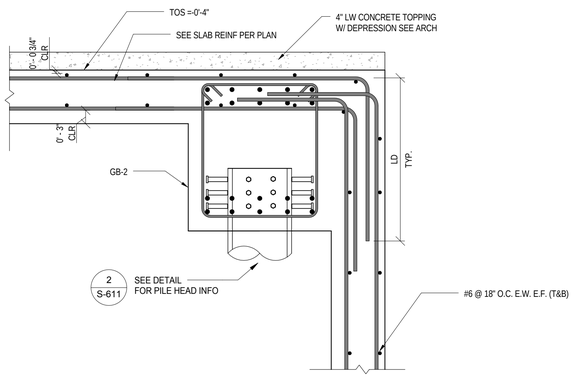
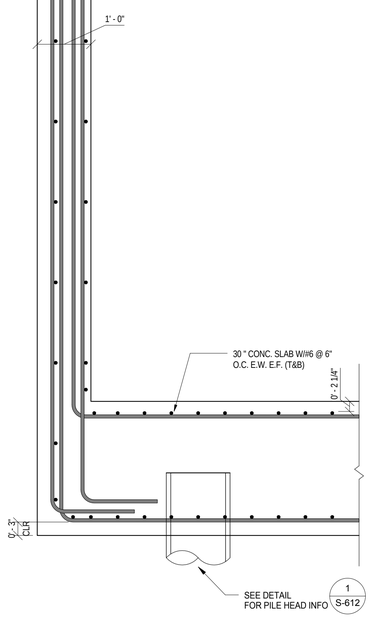




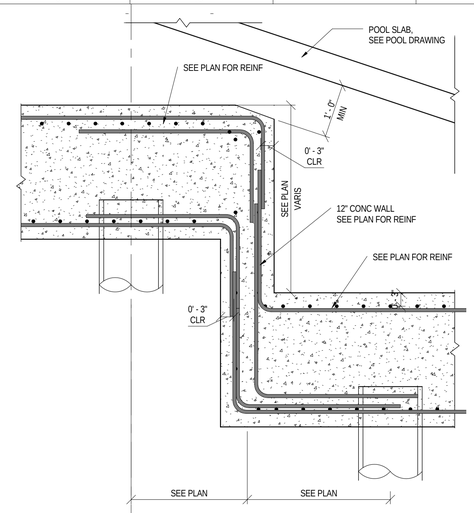
A-A

1 TYPICAL PILE TO POOL SLAB CONNECTION
3/4" = 1'-0"

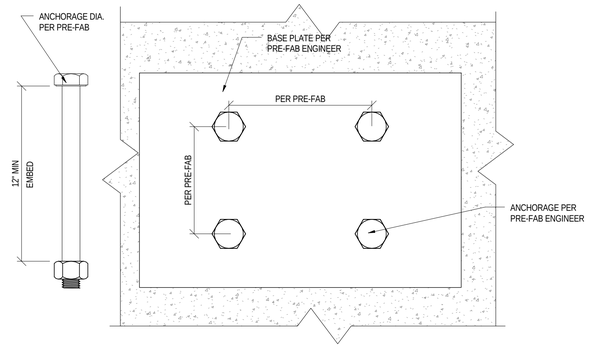




2 TYPICAL WALL SECTION REINFORCEMENT
3/4" = 1'-0"



3 TYP. SLAB DROP SECTION
3/4" = 1'-0"



NOTE: FINAL NUMBER SIZE AND EMBEDMENT LENGTH OF ANCHOR BOLTS TO BE FINALIZED WHEN PRE-FABRICATOR IS SELECTED

4 TYP. ANCHORAGE DETAIL
3" = 1'-0"

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OFFICIAL RECORD

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BUREAU OF ENGINEERING

NO.	REVISIONS:	DATE:	BY:

BUILDING NO.

INDEX NO. RP 300094 -

REGISTERED PROFESSIONAL ENGINEER
JUAN CARLOS ESQUIVEL
No. S 4074
Exp. 9-30-18
STRUCTURAL
STATE OF CALIFORNIA

CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS

GARY LEE MOORE, PE, ENV SP CITY ENGINEER

ARCHITECTURAL DIVISION

ENGINEER: JUAN CARLOS ESQUIVEL LIC. NO. S-4074 DATE:

DESIGNED BY: W.X

DRAWN BY: W.X

CHECKED BY: J.C.E.

APPROVED BY:

VERTICAL CONTROL:

HORIZONTAL CONTROL:

SHEET TITLE: FOUNDATION DETAILS

PROJECT: RANCHO CIENEGA SPORTS COMPLEX

ADDRESS: 5001 RODEO ROAD
LOS ANGELES, CA 90016

JCE STRUCTURAL ENGINEERING GROUP, INC.
STRUCTURAL & EARTHQUAKE ENGINEERING CONSULTANTS
35 Hugus Alley, Suite 211, Pasadena, CA 91103 Tel: (626) 585-1822 Fax (626) 585-1824

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HOOKED BAR DEVELOPMENT LENGTH (Ldh) (CASE #1)

BAR SIZE	Fy (KSI)	f'c=3000 PSI		f'c=4000 PSI		f'c=5000 PSI		f'c=6000 PSI		f'c=7000 PSI		f'c=8000 PSI		f'c=9000 PSI		f'c=10000 PSI	
		TOP BARS	OTHER BARS	TOP BARS	OTHER BARS	TOP BARS	OTHER BARS	TOP BARS	OTHER BARS	TOP BARS	OTHER BARS	TOP BARS	OTHER BARS	TOP BARS	OTHER BARS	TOP BARS	OTHER BARS
#3	60	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
#4	60	8	8	7	7	6	6	6	6	6	6	6	6	6	6	6	6
#5	60	10	10	9	9	8	8	7	7	7	7	6	6	6	6	6	6
#6	60	12	12	10	10	9	9	9	9	8	8	8	8	7	7	7	7
#7	60	14	14	12	12	11	11	10	10	9	9	9	9	8	8	8	8
#8	60	16	16	14	14	12	12	11	11	11	11	10	10	9	9	9	9
#9	60	18	18	15	15	14	14	13	13	12	12	11	11	10	10	10	10
#10	60	20	20	17	17	16	16	14	14	13	13	12	12	12	12	11	11
#11	60	22	22	19	19	17	17	16	16	15	15	14	14	13	13	12	12
#11	75	28	28	24	24	21	21	20	20	18	18	17	17	16	16	15	15
#14	60	38	38	33	33	29	29	27	27	25	25	23	23	22	22	21	21
#14	75	47	47	41	41	36	36	33	33	31	31	29	29	27	27	26	26

HOOKED BAR DEVELOPMENT LENGTH (Ldh) (CASE #2)

BAR SIZE	Fy (KSI)	f'c=3000 PSI		f'c=4000 PSI		f'c=5000 PSI		f'c=6000 PSI		f'c=7000 PSI		f'c=8000 PSI		f'c=9000 PSI		f'c=10000 PSI	
		TOP BARS	OTHER BARS	TOP BARS	OTHER BARS	TOP BARS	OTHER BARS	TOP BARS	OTHER BARS	TOP BARS	OTHER BARS	TOP BARS	OTHER BARS	TOP BARS	OTHER BARS	TOP BARS	OTHER BARS
#3	60	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
#4	60	8	8	7	7	6	6	6	6	6	6	6	6	6	6	6	6
#5	60	10	10	9	9	8	8	7	7	7	7	6	6	6	6	6	6
#6	60	12	12	10	10	9	9	9	9	8	8	8	8	7	7	7	7
#7	60	14	14	12	12	11	11	10	10	9	9	9	9	8	8	8	8
#8	60	16	16	14	14	12	12	11	11	11	11	10	10	9	9	9	9
#9	60	18	18	15	15	14	14	13	13	12	12	11	11	10	10	10	10
#10	60	20	20	17	17	16	16	14	14	13	13	12	12	12	12	11	11
#11	60	22	22	19	19	17	17	16	16	15	15	14	14	13	13	12	12
#11	75	28	28	24	24	21	21	20	20	18	18	17	17	16	16	15	15
#14	60	38	38	33	33	29	29	27	27	25	25	23	23	22	22	21	21
#14	75	47	47	41	41	36	36	33	33	31	31	29	29	27	27	26	26

NOTES:

1. TABULATED VALUES ARE IN INCHES FOR NORMAL WEIGHT CONCRETE AND UNCOATED REINFORCING STEEL. FOR LIGHT WEIGHT CONCRETE INCREASE LENGTHS BY 30%. FOR EPOXY COATED BARS INCREASE LENGTHS BY 50%.
2. TABULATED LAP SPLICE LENGTHS ARE FOR CLASS B SPLICES AS DEFINED IN ACI 318. FOR CLASS A SPLICES REDUCE LENGTH BY 30%. CLASS A SPLICES MAY BE USED WHEN SPECIFICALLY CALLED ON DRAWINGS AND IF ONE HALF OR LESS OF THE TOTAL NUMBER OF BARS ARE SPLICED WITHIN THE REQUIRED LAP LENGTH.
3. BAR DEVELOPMENT LENGTHS AND SPLICE LENGTHS OF INDIVIDUAL BARS WITHIN A BUNDLE SHALL BE INCREASED BY 20% FOR A 3-BAR BUNDLE AND 33% FOR A 4-BAR BUNDLE.
4. TOP BARS ARE DEFINED AS HORIZONTAL BARS WITH MORE THAN 12" OF CONCRETE CAST BELOW THE BAR.
5. FOR COMPRESSION LAP SPLICE LENGTH (ONLY WHERE INDICATED ON DRAWINGS) USE 30 BAR DIAMETER, NOT LESS THAN 12".
6. MECHANICAL SPLICES MAY BE USED AT CONTRACTOR'S OPTION. MECHANICAL SPLICES SHALL BE TYPE 2 AS DEFINED IN ACI 318 AND SHALL DEVELOP IN TENSION AT LEAST 125% OF THE SPECIFIED YIELD STRENGTH (Fy) OF THE SPLICED BAR.
7. WHERE MECHANICAL SPLICES ARE USED, STAGGER ADJACENT SPLICES BY 24" OC.
8. THE SMALLER BAR SPLICE LENGTH SHALL BE USED WHEN SPLICING DIFFERENT SIZED BARS.
9. CASE #1 AND #2 ARE DEFINED AS FOLLOWS:

   BEAMS AND COLUMNS
   - USE CASE #1: WHEN CONCRETE COVER IS AT LEAST 1.0db AND CENTER TO CENTER SPACING IS AT LEAST 2.0db.
   - USE CASE #2: WHEN CONCRETE COVER IS LESS THAN 1.0db OR CENTER TO CENTER SPACING IS LESS THAN 2.0db.

   WALLS
   - USE CASE #1
   - HORIZONTAL BARS = TOP BARS.
   - VERTICAL BARS = OTHER BARS.

   ALL OTHER MEMBERS
   - USE CASE #1: WHEN CONCRETE COVER IS AT LEAST 1.0db AND CENTER TO CENTER SPACING IS AT LEAST 3.0db.
   - USE CASE #2: WHEN CONCRETE COVER IS LESS THAN 1.0db OR CENTER TO CENTER SPACING IS LESS THAN 3.0db.

BAR DEVELOPMENT LENGTH (Ld) (CASE #1)

BAR SIZE	Fy (KSI)	f'c=3000 PSI		f'c=4000 PSI		f'c=5000 PSI		f'c=6000 PSI		f'c=7000 PSI		f'c=8000 PSI		f'c=9000 PSI		f'c=10000 PSI	
		TOP BARS	OTHER BARS	TOP BARS	OTHER BARS	TOP BARS	OTHER BARS	TOP BARS	OTHER BARS	TOP BARS	OTHER BARS	TOP BARS	OTHER BARS	TOP BARS	OTHER BARS	TOP BARS	OTHER BARS
#3	60	22	17	19	15	17	13	16	12	14	12	14	12	13	12	12	12
#4	60	29	22	25	19	23	17	21	16	19	15	18	14	17	13	16	12
#5	60	36	28	31	24	28	22	26	20	24	18	22	17	21	16	20	15
#6	60	43	33	37	29	34	26	31	24	28	22	27	21	25	19	24	18
#7	60	63	48	54	42	49	38	45	34	41	32	39	30	36	28	35	27
#8	60	72	55	62	48	56	43	51	39	47	36	44	34	42	32	39	30
#9	60	81	62	70	54	63	48	57	44	53	41	50	38	47	36	44	34
#10	60	91	70	79	61	71	54	64	50	60	46	56	43	53	41	50	39
#11	60	101	78	87	67	78	60	71	55	66	51	62	48	58	45	55	43
#11	75	126	97	109	84	98	75	89	69	83	64	77	60	73	56	69	53
#14	60	121	93	105	81	94	72	86	66	79	61	74	57	70	54	67	51
#14	75	151	116	131	101	117	90	107	82	99	76	93	71	87	67	83	64

BAR DEVELOPMENT LENGTH (Ld) (CASE #2)

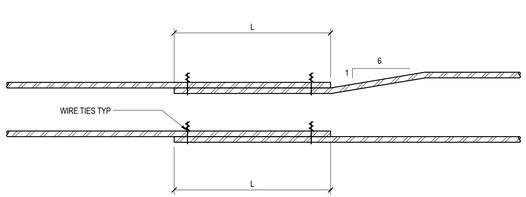
BAR SIZE	Fy (KSI)	f'c=3000 PSI		f'c=4000 PSI		f'c=5000 PSI		f'c=6000 PSI		f'c=7000 PSI		f'c=8000 PSI		f'c=9000 PSI		f'c=10000 PSI	
		TOP BARS	OTHER BARS	TOP BARS	OTHER BARS	TOP BARS	OTHER BARS	TOP BARS	OTHER BARS	TOP BARS	OTHER BARS	TOP BARS	OTHER BARS	TOP BARS	OTHER BARS	TOP BARS	OTHER BARS
#3	60	33	25	28	22	25	20	23	18	21	17	20	16	19	15	18	14
#4	60	43	33	37	29	34	26	31	24	28	22	27	21	25	19	24	18
#5	60	54	42	47	36	42	32	38	30	35	27	33	26	31	24	30	23
#6	60	65	50	56	43	50	39	46	35	42	33	40	31	37	29	36	27
#7	60	94	72	81	63	73	56	67	51	62	48	58	45	54	42	52	40
#8	60	107	83	93	72	83	64	76	59	70	54	66	51	62	48	59	45
#9	60	121	93	105	81	94	72	86	66	79	61	74	57	70	54	66	51
#10	60	136	105	118	91	106	81	96	74	89	69	84	64	79	61	75	58
#11	60	151	116	131	101	117	90	107	82	99	76	93	71	87	67	83	64
#11	75	189	145	164	126	146	113	134	103	124	95	116	89	109	84	104	80
#14	60	181	140	157	121	141	108	128	99	119	92	111	86	105	81	100	77
#14	75	227	174	196	151	176	135	160	123	148	114	139	107	131	101	124	96

BAR LAP SPLICE LENGTH (L) (CASE #1)

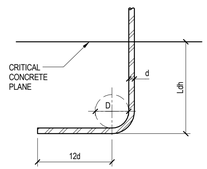
BAR SIZE	Fy (KSI)	f'c=3000 PSI		f'c=4000 PSI		f'c=5000 PSI		f'c=6000 PSI		f'c=7000 PSI		f'c=8000 PSI		f'c=9000 PSI		f'c=10000 PSI	
		TOP BARS	OTHER BARS	TOP BARS	OTHER BARS	TOP BARS	OTHER BARS	TOP BARS	OTHER BARS	TOP BARS	OTHER BARS	TOP BARS	OTHER BARS	TOP BARS	OTHER BARS	TOP BARS	OTHER BARS
#3	60	29	22	25	20	22	17	21	16	18	16	18	16	17	16	16	16
#4	60	38	29	33	25	30	22	27	21	25	20	23	18	22	17	21	16
#5	60	47	36	40	31	36	29	34	26	31	23	29	22	27	21	26	20
#6	60	56	43	48	38	44	34	40	31	36	29	35	27	33	25	31	23
#7	60	82	62	70	55	64	49	59	44	53	42	51	39	47	36	46	35
#8	60	94	72	81	62	73	56	66	51	61	47	57	44	55	42	51	39
#9	60	105	81	91	70	82	62	74	57	69	53	65	49	61	47	57	44
#10	60	118	91	103	79	92	70	83	65	78	60	73	56	69	53	65	51
#11	60	131	101	113	87	101	78	92	72	86	66	81	62	75	59	72	56
#11	75	164	126	142	109	127	98	116	90	108	83	100	78	95	73	90	69
#14	USE MECHANICAL SPLICE																

BAR LAP SPLICE LENGTH (L) (CASE #2)

BAR SIZE	Fy (KSI)	f'c=3000 PSI		f'c=4000 PSI		f'c=5000 PSI		f'c=6000 PSI		f'c=7000 PSI		f'c=8000 PSI		f'c=9000 PSI		f'c=10000 PSI	
		TOP BARS	OTHER BARS	TOP BARS	OTHER BARS	TOP BARS	OTHER BARS	TOP BARS	OTHER BARS	TOP BARS	OTHER BARS	TOP BARS	OTHER BARS	TOP BARS	OTHER BARS	TOP BARS	OTHER BARS
#3	60	43	33	36	29	33	26	30	23	27	22	26	21	25	20	23	18
#4	60	56	43	48	38	44	34	40	31	36	29	35	27	33	25	31	23
#5	60	70	55	61	47	55	42	49	39	46	35	43	34	40	31	39	30
#6	60	85	65	73	56	65	51	60	46	55	43	52	40	48	38	47	35
#7	60	122	94	105	82	94	73	87	66	81	62	75	59	70	55	68	52
#8	60	139	108	121	94	108	83	99	77	91	70	86	66	81	62	77	59
#9	60	157	121	137	105	122	94	112	86	103	79	96	74	91	70	86	66
#10	60	177	137	153	118	138	105	125	96	116	90	109	83	103	79	98	75
#11	60	196	151	170	131	152	117	139	107	129	99	121	92	113	87	108	83
#11	75	246	189	213	164	190	147	174	134	161	124	151	116	142	109	135	104
#14	USE MECHANICAL SPLICE																



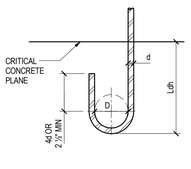
BAR LAP SPLICE



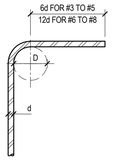
90° STANDARD HOOK

MINIMUM BEND DIAMETERS:
D=6d FOR #3 TO #8
D=8d FOR #9 TO #11
D=10d FOR #14 AND #18

PRINCIPAL REINFORCING



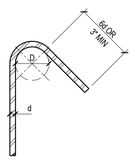
180° STANDARD HOOK



90° HOOK

MINIMUM BEND DIAMETERS:
D=4d FOR #3 TO #5
D=6d FOR #6 TO #8

STIRRUPS AND TIES



135° HOOK

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OFFICIAL RECORD

15 TENSION DEVELOPMENT AND LAP SPLICE LENGTH
STR-CON-CON-0151
NTS

N

BUROHAPPOLD ENGINEERING

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CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS

BUREAU OF ENGINEERING

ENGINEERING
CITY OF LOS ANGELES

NO.	REVISIONS:	DATE:	BY:

BUILDING NO.

INDEX NO. RP 300094

REGISTERED PROFESSIONAL ENGINEER
DERRICK D. ROORDA
No. S46071
EXP. 6-30-17
CIVIL
STRUCTURAL
STATE OF CALIFORNIA

CITY ENGINEER
GARY LEE MOORE, PE, ENV SP
ARCHITECTURAL DIVISION
LIC. NO. S46071
DATE: 2016 15

ENGINEER: DERRICK ROORDA, PE
DESIGNED BY: JR
DRAWN BY: EN
CHECKED BY:
APPROVED BY:

VERTICAL CONTROL:
HORIZONTAL CONTROL:

SHEET TITLE: CONCRETE DETAILS

PROJECT: RANCHO CIENEGA SPORTS COMPLEX

ADDRESS: 5001 RODEO ROAD
LOS ANGELES, CA 90016

WORK ORDER NO. E1907694
PLAN FILE NO.
DRAWING NO. S-620
SHEET SHEETS OF

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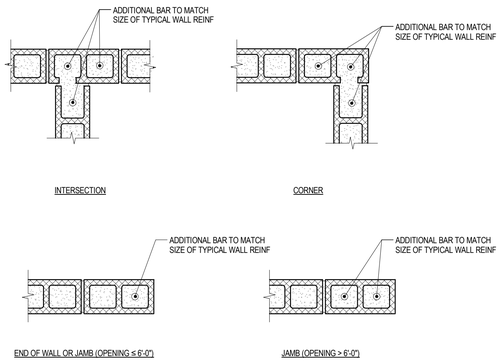
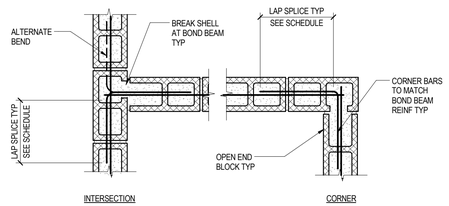
REVISION DATE: 7/21/2015 5:02 PM FILE: Z:\14-018 RANCHO CIENEGA SPORTS COMPLEX\DRAWINGS\CAD\BLOCKS\TITLEBLOCKS\LA_BOE_TTLB_RCSC_DESIGN DEVELOPMENT.DWG



4 TYPICAL CMU VERTICAL REINFORCEMENT

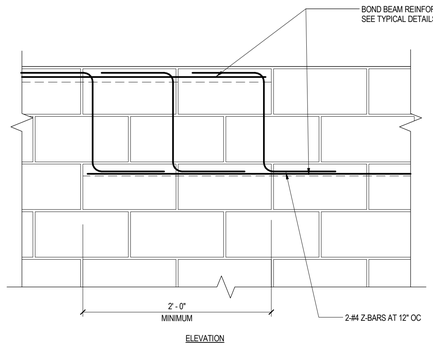
NTS



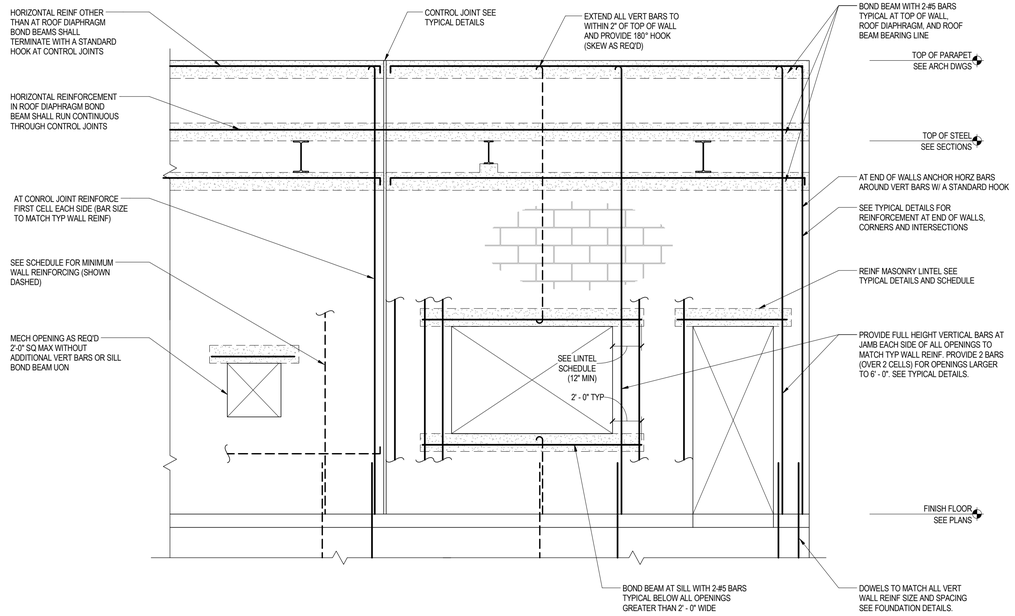
NOTES:
1. VERTICAL REINFORCEMENT NOT SHOWN FOR CLARITY, SEE TYPICAL DETAILS.

8 TYPICAL CMU WALL INTERSECTIONS

NTS



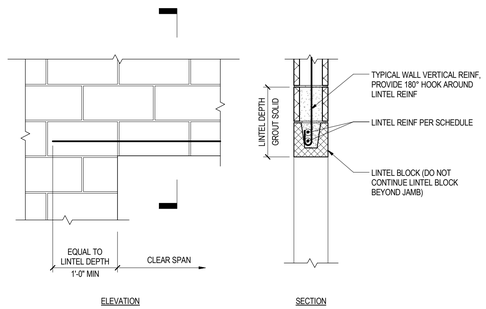
NOTES:
1.TYPICAL VERTICAL AND HORIZONTAL REINFORCEMENT NOT SHOWN FOR CLARITY
2. DETAIL ONLY APPLIES WHERE REFERENCED ON PLANS AND DETAILS



NOTES:
1. REINFORCING SHOWN AS SOLID LINES IS IN ADDITION TO TYPICAL WALL REINFORCEMENT CALLED OUT ON DRAWINGS. SIZE OF ADDTIONAL BARS SHALL MATCH TYPICAL WALL REINFORCING SIZE UON.
2. SEE LAP SPLICE SCHEDULE FOR LAP SPLICES.
3. SEE ARCHITECTURAL DRAWINGS FOR LOCATION OF OPENINGS.

7 TYPICAL CMU WALL ELEVATION

NTS



MASONRY LINTEL SCHEDULE		
CLEAR SPAN	LINTEL DEPTH	LINTEL REINF
≤ 2' - 0"	8"	1-#5
> 2' - 0" - 4' - 0"	8"	2-#5
> 4' - 0" - 8' - 0"	16"	2-#5
> 8' - 0" - 10' - 0"	24"	2-#6
> 10' - 0" - 13' - 0"	32"	2-#6

NOTES:
1. IF LINTEL REINFORCING PAST JAMB IS INTERUPTED DUE TO INTERSECTING WALL OR END OF WALL CONDITION, EXTEND A MINIMUM 1'-0" AND TERMINATE IN A STANDARD HOOK.
2. JAMB REINF NOT SHOWN FOR CLARITY SEE TYPICAL CMU WALL ELEVATION DETAIL.

11 TYPICAL MASONRY LINTEL SCHEDULE

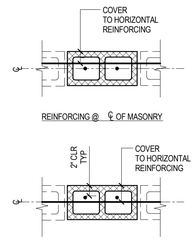
NTS

MASONRY WALL REINFORCING SCHEDULE					
WALL TYPE	CMU SIZE	REINFORCING		GROUT	REMARKS
		VERTICAL	HORIZONTAL		
UON	8"	#5 @ 24" OC	#5 @ 48" OC	SOLID	

NOTES:
1. THE ABOVE SHALL BE MINIMUM REINFORCING FOR ALL MASONRY ELEMENTS.
2. SINGLE MAT REINFORCING SHALL BE IN CENTER OF WALL UNLESS NOTED OTHERWISE OR DETAILED.
3. FOR MASONRY WALLS, FILL ALL CELLS SOLID WITH GROUT, UNLESS NOTED OTHERWISE.
4. ALL HORIZONTAL BARS SHALL BE IN BOND BEAM UNITS, UNLESS NOTED OTHERWISE.
5. PROVIDE BOND BEAMS REINFORCED WITH 2-#5 BARS CONT AT TOP OF ALL CMU WALLS, AT FLOOR AND ROOF LEVELS, AND WHERE SHOWN IN DETAILS.
6. SEE TYPICAL CONCRETE DETAILS FOR STANDARD HOOK DIMENSIONS.

1 TYPICAL CMU WALL REINFORCING SCHEDULE

NTS

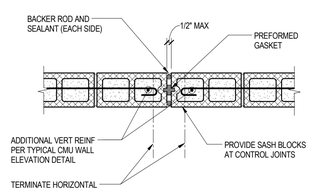


MASONRY TENSION DEVELOPMENT LENTH / LAP SPLICE SCHEDULE (f'm=2000psi) (INCHES)				
BAR SIZE	BAR COVER OR CLEAR SPACING BETWEEN BARS WHICHEVER IS SMALLER			
	2.0"	2.5"	3.0"	≥ 3.5"
#3	15	12	12	12
#4	24	18	15	15
#5	36	30	24	21
#6	66	54	45	39
#7	87	72	60	51
#8	132	105	90	75

NOTES:
1. REINFORCING SHALL BE PLACED AS SHOWN AND AS INDICATED ON THE DRAWINGS.
2. THE BARS SPLICED BY NON-CONTACT LAP SPLICES SHALL NOT BE SPACED TRANSVERSELY FARTHER APART ONE-FIFTH THE REQUIRED LENGTH OF LAP NOR MORE THAN 8".
3. WHEN EPOXY-COATED BARS ARE USED THE LAP LENGTH PROVIDED IN THE TABLES SHALL BE INCREASED BY 50%.
4. MECHANICAL SPLICES MAY BE USED AT CONTRACTOR'S OPTION. MECHANICAL SPLICES SHALL BE TYPE 2 AS DEFINED IN ACI 318 AND SHALL DEVELOP IN TENSION AT LEAST 125% OF THE SPECIFIED YIELD STRENGTH (Fy) OF THE SPLICED BAR.
5. WHERE MECHANICAL SPLICES ARE USED, STAGGER ADJACENT SPLICES BY 24" OC.
6. MAXIMUM BAR SIZE IN 8" MASONRY = #8
7. SEE TYPICAL CONCRETE DETAILS FOR STANDARD HOOK DIMENSIONS.

5 TYPICAL MASONRY DEVELOPMENT / LAP SPLICE SCHEDULE

NTS



NOTES:
1. CONTRACTOR SHALL OBTAIN ARCHITECT'S APPROVAL OF JOINT LOCATIONS.
2. CONTROL JOINT SPACING SHALL NOT EXCEED 25'-0" UON
3. HORIZONTAL REINFORCING AT FLOOR AND ROOF DIAPHRAGM BOND BEAMS SHALL BE CONTINUOUS THRU JOINT.

9 TYPICAL CMU CONTROL JOINT

NTS

12 TYPICAL STEPPED BOND BEAM

NTS

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NO.	REVISIONS:	DATE:	BY:

BUILDING NO.

INDEX NO. RP 300094

REGISTERED PROFESSIONAL ENGINEER PATRICK D. RODRIGUEZ No. S46077 EXP. 6-30-17 CIVIL STRUCTURAL MECHANICAL CALIFORNIA

CITY ENGINEER
GARY LEE MOORE, PE, ENV SP
ARCHITECTURAL DIVISION
ENGINEER: DERRICK ROORDA, PE LIC. NO. S46077
DESIGNED BY: JR
DRAWN BY: EN
CHECKED BY:
APPROVED BY:
DATE: 2016 15

VERTICAL CONTROL:
HORIZONTAL CONTROL:
SHEET TITLE: MASONRY DETAILS
PROJECT: RANCHO CIENEGA SPORTS COMPLEX
ADDRESS: 5001 RODEO ROAD LOS ANGELES, CA 90016

WORK ORDER NO. E1907694
PLAN FILE NO.
DRAWING NO. S-630
SHEET OF SHEETS

BUROHAPPOLD ENGINEERING

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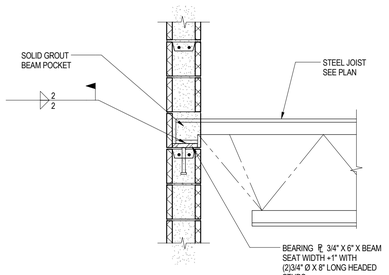
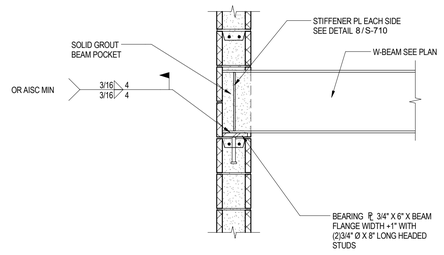
REVISION DATES (DESIGN STAGE ONLY)



4 JOIST BEARING PERPENDICULAR TO MASONRY WALL

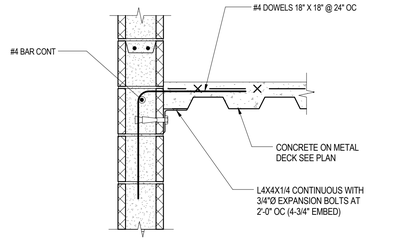
NTS



NOTE:
1. SEE GENERAL NOTES FOR ROOF DECK ATTACHMENT
2. VERTICAL CMU WALL REINFORCEMENT NOT SHOWN FOR CLARITY
3. SEE TYP CMU WALL ELEVATION FOR BOND BEAM REQUIREMENTS

3 BEAM BEARING PERPENDICULAR TO MASONRY WALL

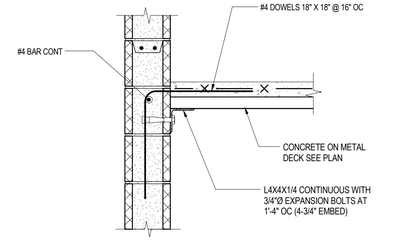
3/4" = 1'-0"



NOTE:
1. SEE GENERAL NOTES FOR DECK ATTACHMENT
2. VERTICAL CMU WALL REINFORCEMENT NOT SHOWN FOR CLARITY
3. SEE TYP CMU WALL ELEVATION FOR BOND BEAM REQUIREMENTS

2 DECK PARALLEL TO MASONRY WALL EXTERIOR

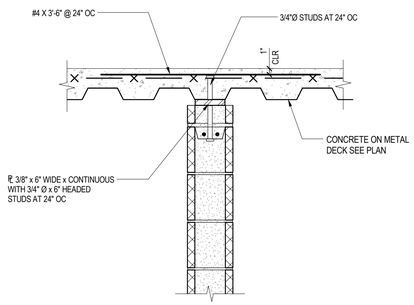
1" = 1'-0"



NOTE:
1. SEE GENERAL NOTES FOR ROOF DECK ATTACHMENT
2. VERTICAL CMU WALL REINFORCEMENT NOT SHOWN FOR CLARITY
3. SEE TYP CMU WALL ELEVATION FOR BOND BEAM REQUIREMENTS

1 DECK PERPENDICULAR TO MASONRY WALL EXTERIOR

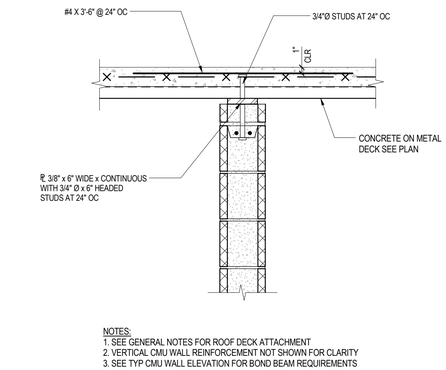
1" = 1'-0"



NOTES:
1. SEE GENERAL NOTES FOR ROOF DECK ATTACHMENT
2. VERTICAL CMU WALL REINFORCEMENT NOT SHOWN FOR CLARITY
3. SEE TYP CMU WALL ELEVATION FOR BOND BEAM REQUIREMENTS

8 DECK PARALLEL TO MASONRY WALL INTERIOR

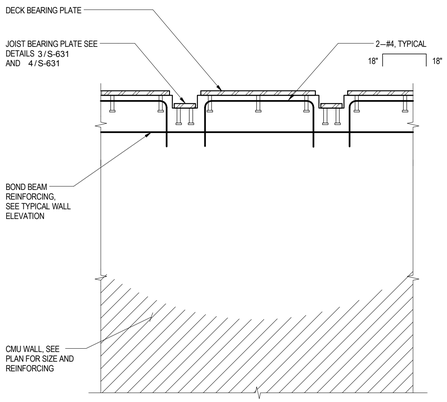
1" = 1'-0"



NOTES:
1. SEE GENERAL NOTES FOR ROOF DECK ATTACHMENT
2. VERTICAL CMU WALL REINFORCEMENT NOT SHOWN FOR CLARITY
3. SEE TYP CMU WALL ELEVATION FOR BOND BEAM REQUIREMENTS

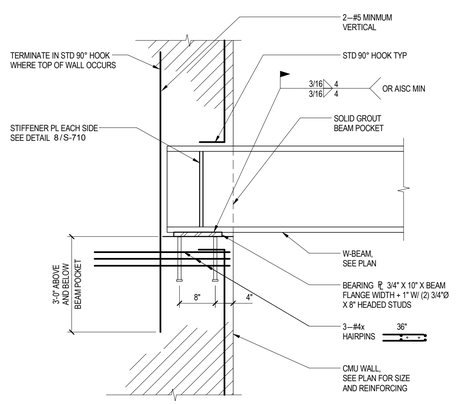
7 DECK PERP TO MASONRY WALL INTERIOR

1" = 1'-0"



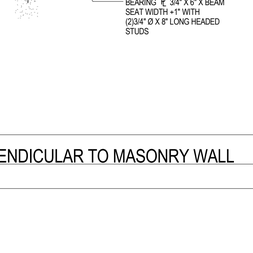
6 BEARING PLATE AT TOP OF MASONRY WALL

3/4" = 1'-0"



5 BEAM BEARING PLATE PARALLEL TO WALL

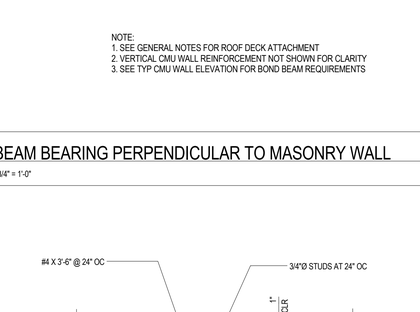
NTS



NOTE:
1. SEE GENERAL NOTES FOR ROOF DECK ATTACHMENT
2. VERTICAL CMU WALL REINFORCEMENT NOT SHOWN FOR CLARITY
3. SEE TYP CMU WALL ELEVATION FOR BOND BEAM REQUIREMENTS

12 BEAM BEARING OVER MASONRY WALL

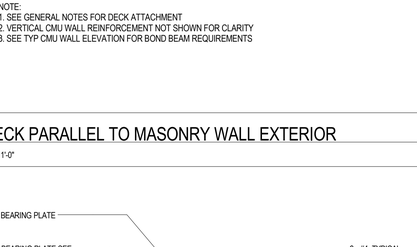
3/4" = 1'-0"



NOTES:
1. SEE GENERAL NOTES FOR ROOF DECK ATTACHMENT
2. VERTICAL CMU WALL REINFORCEMENT NOT SHOWN FOR CLARITY
3. SEE TYP CMU WALL ELEVATION FOR BOND BEAM REQUIREMENTS

11 W-BEAM OVER MASONRY WALL

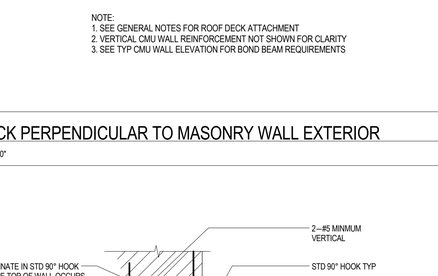
1" = 1'-0"



NOTE:
1. SEE GENERAL NOTES FOR ROOF DECK ATTACHMENT
2. VERTICAL CMU WALL REINFORCEMENT NOT SHOWN FOR CLARITY
3. SEE TYP CMU WALL ELEVATION FOR BOND BEAM REQUIREMENTS

10 DECK TO MASONRY WALL INTERIOR

1" = 1'-0"



NOTES:
1. SEE GENERAL NOTES FOR ROOF DECK ATTACHMENT
2. VERTICAL CMU WALL REINFORCEMENT NOT SHOWN FOR CLARITY
3. SEE TYP CMU WALL ELEVATION FOR BOND BEAM REQUIREMENTS

BUREAU OF ENGINEERING
OFFICIAL RECORD

9 DECK OVER MASONRY WALL INTERIOR

1" = 1'-0"

N

BUROHAPPOLD ENGINEERING

BUREAU OF ENGINEERING
ENGINEERING
CITY OF LOS ANGELES

NO.	REVISIONS:	DATE:	BY:

BUILDING NO.

INDEX NO. RP 300094

REGISTERED PROFESSIONAL ENGINEER
STRICK D. ROORDA
No. 54607
EXP. 6-30-17
CIVIL
STATE OF CALIFORNIA

BID SET SUBMITTAL

CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS

CITY ENGINEER: GARY LEE MOORE, PE, ENV SP
ARCHITECTURAL DIVISION
DATE: 2016 15
LIC. NO. S4607
ENGINEER: DERRICK ROORDA, PE
DESIGNED BY: JR
DRAWN BY: EN
CHECKED BY:
APPROVED BY:

VERTICAL CONTROL:
HORIZONTAL CONTROL:

SHEET TITLE: MASONRY DETAILS

PROJECT: RANCHO CIENEGA SPORTS COMPLEX

ADDRESS: 5001 RODEO ROAD
LOS ANGELES, CA 90016

WORK ORDER NO. E1907694

PLAN FILE NO.

DRAWING NO. S-631

SHEET OF SHEETS

PLOTTED: ----

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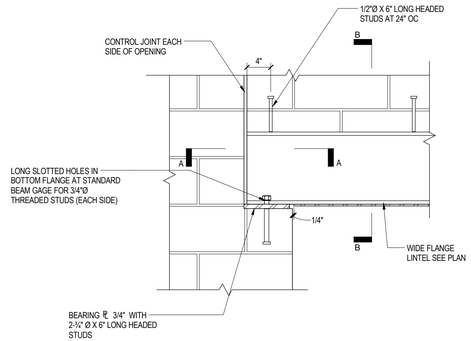
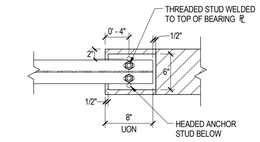
REVISION DATE: 7/21/2015 5:02 PM
FILE: Z:\14-018 RANCHO CIENEGA SPORTS COMPLEX\DRAWINGS\CAD\BLOCKS\TITLEBLOCKS\LA_BOE_TTLB_RCSC_DESIGN DEVELOPMENT DWG



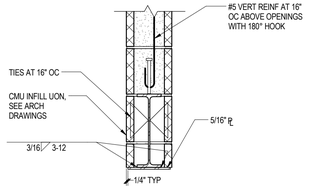
ELEVATION

NOTES:

1. SEE ARCHITECTURAL DRAWINGS FOR OPENING DIMENSIONS.
2. ENTIRE LINTEL ASSEMBLY TO BE GALV AT EXTERIOR WALLS



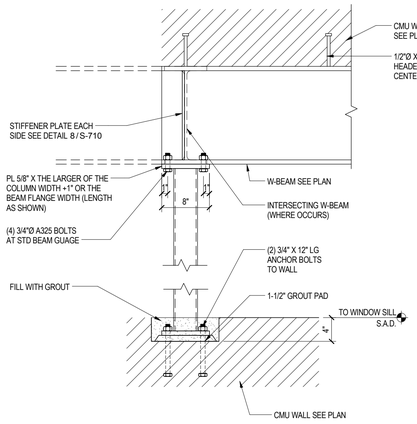
SECTION A-A

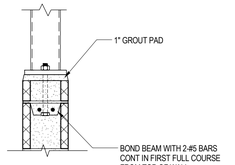


SECTION B-B

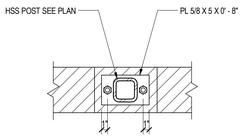
4 WIDE FLANGE LINTEL SUPPORT

1" = 1'-0"

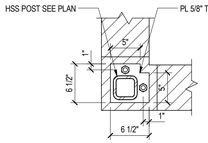




SECTION



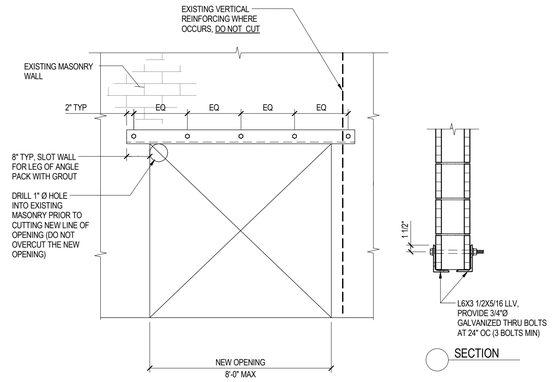
PLAN



PLAN - CORNER CONDITION

2 HSS POST AT CMU WALL

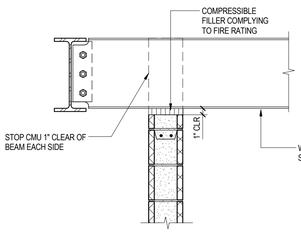
1" = 1'-0"



SECTION

1 CUTTING NEW OPENING IN EXISTING MASONRY WALL

3/4" = 1'-0"



NOTES:
1. SEE DETAIL 6 / S-710 FOR BALANCE OF INFORMATION.

5 STEEL BEAM TO NON-BEARING MASONRY WALL

3/4" = 1'-0"

BUREAU OF ENGINEERING
OFFICIAL RECORD

N

BUROHAPPOLD ENGINEERING

BID SET SUBMITTAL

CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS

VERTICAL CONTROL:
HORIZONTAL CONTROL:

SHEET TITLE: MASONRY DETAILS

PROJECT: RANCHO CIENEGA SPORTS COMPLEX

ADDRESS: 5001 RODEO ROAD
LOS ANGELES, CA 90016

GARY LEE MOORE, PE, ENV SP — CITY ENGINEER

ENGINEER: DERRICK ROORDA, PE — ARCHITECTURAL DIVISION — LIC. NO. S-6607 — DATE: 2016 15

DESIGNED BY: JR
DRAWN BY: EN
CHECKED BY:
APPROVED BY:

BUREAU OF ENGINEERING
CITY OF LOS ANGELES

NO. REVISIONS: DATE: BY:

BUILDING NO.

INDEX NO. RP 300094

REGISTERED PROFESSIONAL ENGINEER — PATRICK D. ROORDA — No. S-6607 — EXP 6-30-17 — CIVIL — STRUCTURAL — STATE OF CALIFORNIA

WORK ORDER NO. E1907694
PLAN FILE NO.
DRAWING NO. S-632
SHEET OF SHEETS

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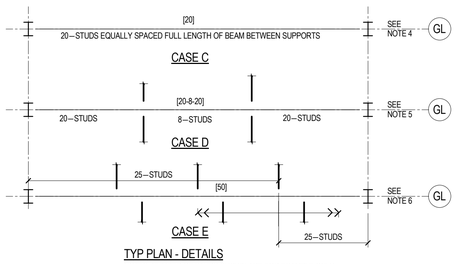
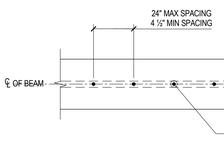
NOTES:

1. ALL SHEAR STUDS SHALL BE ¾" Ø UON.
2. [x] WHERE NO STUD COUNT SPECIFIED ON PLAN, USE X=L/12 WHERE L IS IN INCHES.
3. WHERE DECK IS PERPENDICULAR TO THE BEAM, STUDS SHALL BE PLACED IN THE VALLEYS OF THE DECK, AND SPACED EQUALLY ALONG THE BEAM.
   (A) WHERE THE NUMBER OF STUDS CALLED FOR ON THE PLANS IS LESS THAN THE NUMBER OF VALLEYS IN THE DECK, PLACE THE STUDS AS CASE I OR CASE II.
   (B) WHERE THE NUMBER OF STUDS CALLED FOR ON THE PLANS EXCEEDS THE NUMBER OF VALLEYS IN THE DECK, PLACE THE STUDS AS CASE III.
4. WHERE DECK IS PARALLEL TO THE BEAM OR GIRDER, STUDS SHALL BE SPACED EQUALLY ALONG THE MEMBER WITHIN THE EXTENT AS SHOWN ON TYP PLAN DETAIL, CASE "C" HEREIN.
5. WHERE DECK IS PARALLEL TO THE BEAM OR GIRDER, AND STUDS ARE CALLED OUT AS SHOWN ON TYP PLAN DETAIL, CASE "D" HEREIN, STUDS SHALL BE PLACED IN MULTI-ROWS IF NECESSARY TO KEEP WITHIN THE EXTENT AS SHOWN.
6. <<——>> INDICATES HALF OF THE REQUIRED STUDS SHALL BE SPACED EQUALLY ON EACH SIDE, SHOWN ON TYP PLAN DETAIL, CASE "E" HEREIN.
7. FOR WELDING, SEE DETAIL X.
8. d - INDICATES STUD DIAMETER.
9. THE SAME WELDING APPLIES FOR SHEAR STUDS, ANCHOR STUDS, DEFORMED ANCHORS AND SIMILAR NELSON DEVICES.

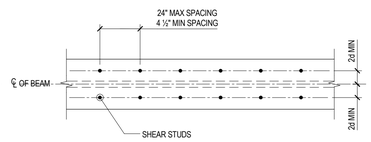


TYP PLAN - DETAILS

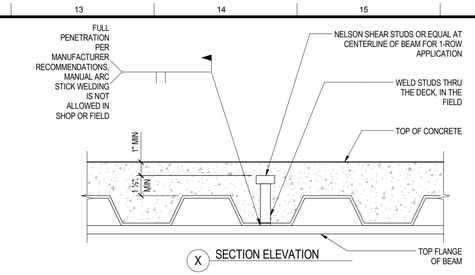
NOTES: NUMBER OF STUDS SHOWN ARE FOR EXAMPLE ONLY.

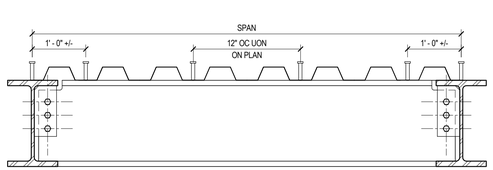


SINGLE LINE STUD SPACING PLAN

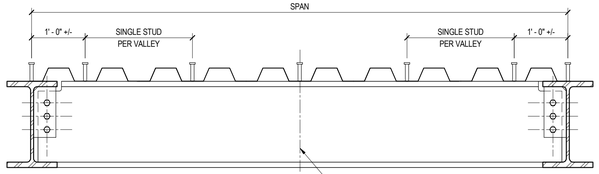


MULTIPLE LINE STUD SPACING PLAN

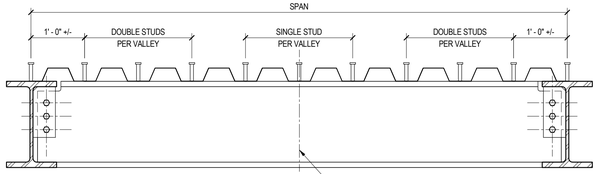




CASE I



CASE II

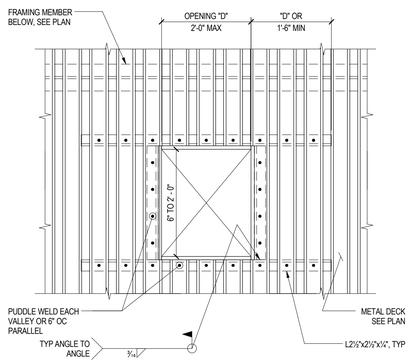


CASE III

4 SHEAR STUDS DETAILS AND NOTES

STR-STL-MDK-005-I

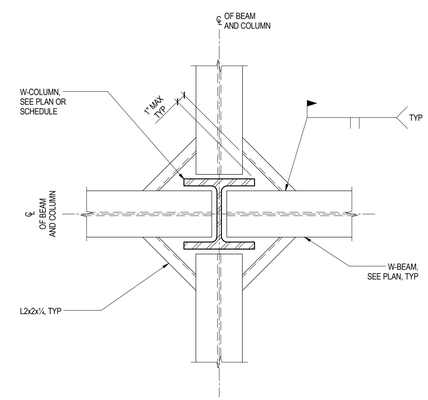
NTS



NOTES:
1. SPECIAL FRAMING SHOWN IS NOT REQUIRED IF "D" IS LESS THAN 6". SIZE OF OPENING IS LIMITED TO 24"x24". FOR CURBS, SEE ARCHITECTURAL AND MECHANICAL DRAWINGS, AND FOR LARGER OPENINGS AND CLOSURE, SEE DETAIL __/S__.
2. USE THIS DETAIL WHERE ANY OPENING DIMENSION IS 6" TO 24".

8 OPENING IN METAL DECK

NTS

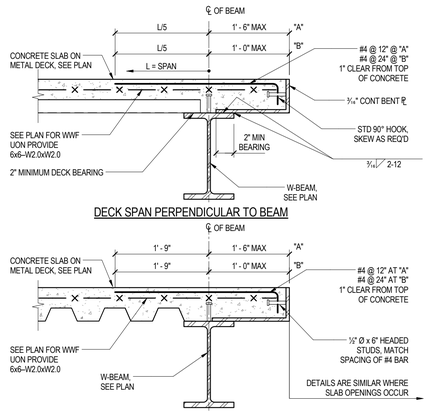


NOTES:
1. ALL DECK SHALL BE SUPPORTED AROUND COLUMNS OR AS REQUIRED BY DECK MANUFACTURER OR VENDOR.

7 METAL DECK SUPPORT TO W-COLUMN

STR-STL-MDK-015-I

NTS



DECK SPAN PERPENDICULAR TO BEAM

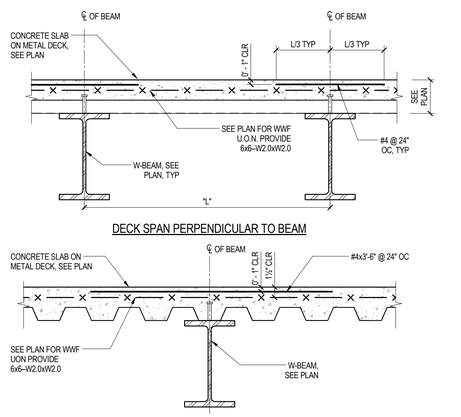
DECK SPAN PARALLEL TO BEAM

NOTES:
1. SEE DETAIL 4/S-700 FOR BALANCE OF INFORMATION

6 EDGE OF FLOOR SLAB

STR-STL-MDK-007-I

NTS



DECK SPAN PERPENDICULAR TO BEAM

DECK SPAN PARALLEL TO BEAM

5 CONCRETE ON METAL DECK

STR-STL-MDK-006-I

NTS

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BUREAU OF ENGINEERING

ENGINEERING

CITY OF LOS ANGELES

NO.	REVISIONS:	DATE:	BY:

BUILDING NO.

INDEX NO. RP 300094

REGISTERED PROFESSIONAL ENGINEER — DERRICK D. ROORDA — No. S4607 — EXP 6-30-17 — STRUCTURAL — STATE OF CALIFORNIA

CITY ENGINEER: GARY LEE MOORE, PE, ENV SP

ARCHITECTURAL DIVISION

ENGINEER: DERRICK ROORDA, PE — LIC. NO. S4607 — DATE: 2016

DESIGNED BY: JR

DRAWN BY: EN

CHECKED BY:

APPROVED BY:

VERTICAL CONTROL:

HORIZONTAL CONTROL:

SHEET TITLE: METAL DECK DETAILS

PROJECT: RANCHO CIENEGA SPORTS COMPLEX

ADDRESS: 5001 RODEO ROAD LOS ANGELES, CA 90016

WORK ORDER NO. E1907694

PLAN FILE NO.

DRAWING NO. S-700

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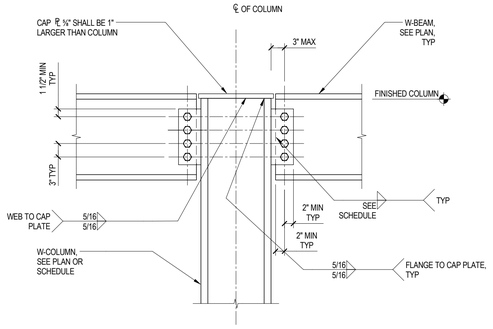
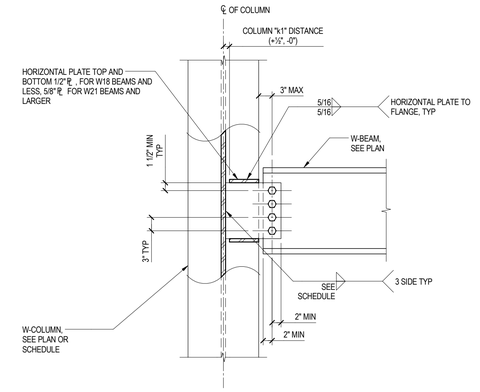


NOTE:
1. SEE BEAM CONNECTION SCHEDULE FOR BOLTS, WELDING, AND SHEAR PLATE INFORMATION.

4 TYPICAL CAP PLATE AT TOP OF W-COLUMN

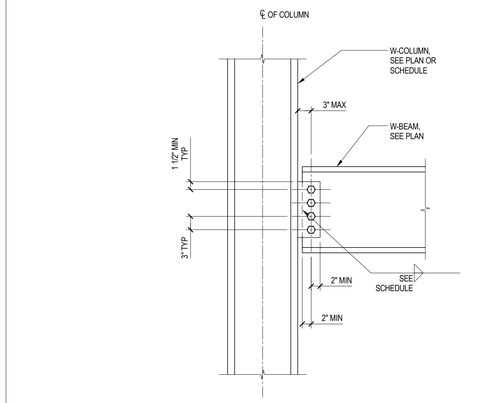
NTS



NOTE:
1. SEE BEAM CONNECTION SCHEDULE FOR BOLTS, WELDING, AND SHEAR PLATE INFORMATION.

3 TYPICAL W-BEAM TO W-COLUMN WEB

STR-STL-ENG-003-I
NTS



NOTE:
1. SEE BEAM CONNECTION SCHEDULE FOR BOLTS, WELDING, AND SHEAR PLATE INFORMATION.

2 TYPICAL W-BEAM TO W-COLUMN FLANGE

STR-STL-ENG-002-I
NTS

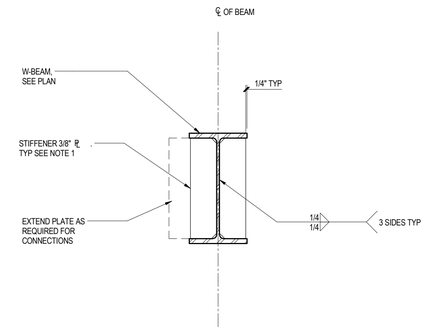
BEAM CONNECTION SCHEDULE

BEAM DEPTH	BOLTS: QUANTITY AND SIZE	SHEAR PLATE THICKNESS	SIZE OF FILLET WELD
C8, S8	2–3/4"	5/16	1/4
C12, MC12	3–3/4"	5/16	1/4
W8-W10	2–7/8"	3/8	1/4
W12-W14	3–7/8"	3/8	1/4
W16-W18	4–7/8"	3/8	1/4
W21-W24	6–1"	1/2	5/16
W27-W30	7–1"	1/2	5/16
W33-W36	9–1"	1/2	5/16
W40-W44	11–1"	1/2	5/16

NOTE:
1. BOLTS SHALL CONFORM TO ASTM DESIGNATION A325N AND PLATES SHALL CONFORM TO ASTM DESIGNATION A36 UON.
2. SEE GENERAL NOTES FOR CONNECTIONS REQUIRING PRETENSIONED BOLTS.

1 TYPICAL BEAM CONNECTION SCHEDULE

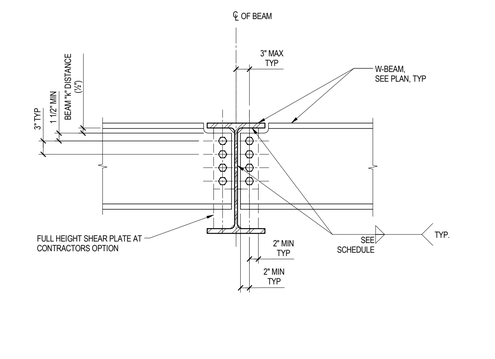
NTS



NOTE:
1. USE LARGER SHEAR PLATE AND WELD AS REQUIRED BY BEAM CONNECTION SCHEDULE.

8 TYPICAL W-BEAM STIFFENERS PLATES

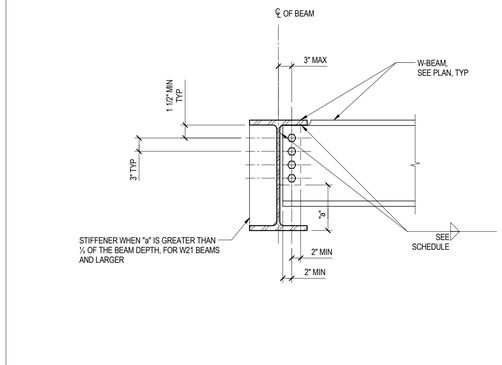
STR-STL-ENG-007-I
NTS



NOTE:
1. SEE BEAM CONNECTION SCHEDULE FOR BOLTS, WELDING, AND SHEAR PLATE INFORMATION.
2. SEE 1-SIDED BEAM TO BEAM CONNECTION FOR BEAMS THAT ARE OFFSET BY MORE THAN 2' - 0".

7 TYPICAL W-BEAM TO W-BEAM (2 SIDED)

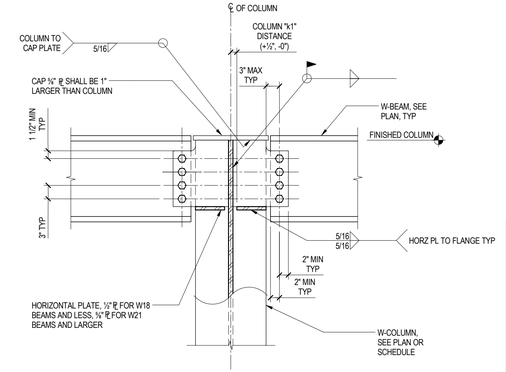
STR-STL-ENG-006-I
NTS



NOTE:
1. SEE BEAM CONNECTION SCHEDULE FOR BOLTS, WELDING, AND SHEAR PLATE INFORMATION.

6 TYPICAL W-BEAM TO W-BEAM (1 SIDED)

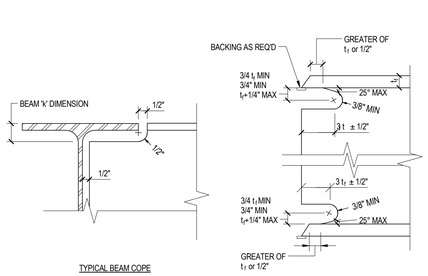
STR-STL-ENG-005-I
NTS



NOTE:
1. SEE BEAM CONNECTION SCHEDULE FOR BOLTS, WELDING, AND SHEAR PLATE INFORMATION.

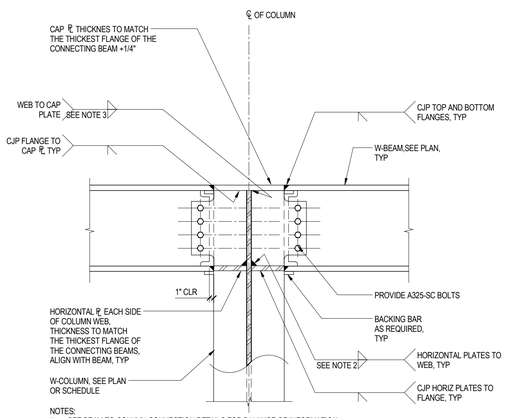
5 TYPICAL CAP PLATE AT TOP OF W-COLUMN

NTS



12 TYPICAL BEAM COPES AND WELD ACCESS HOLES

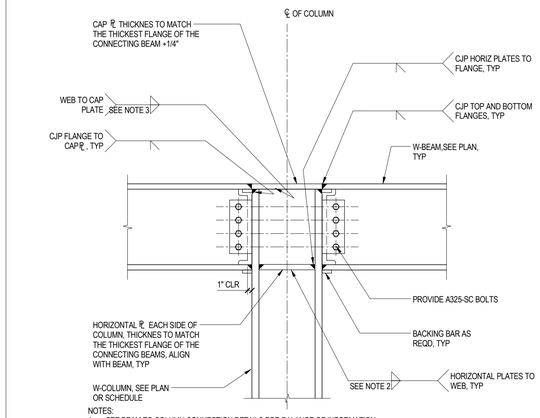
NTS



NOTES:
1. SEE BEAM TO COLUMN CONNECTION DETAILS FOR BALANCE OF INFORMATION.
2. FILLET WELD TO BE ½ OF HORIZONTAL PLATE THICKNESS OR ½" MINIMUM.
3. FILLET WELD TO BE ½ OF COLUMN WEB THICKNESS OR ½" MINIMUM.

11 TYPICAL RIGID CONNECTION W-BEAM TO TOP W-COLUMN WEB

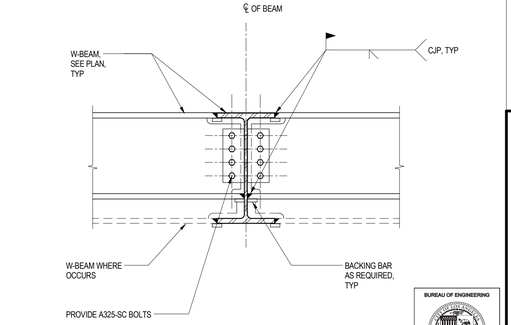
STR-STL-ENG-004-I
NTS



NOTES:
1. SEE BEAM TO COLUMN CONNECTION DETAILS FOR BALANCE OF INFORMATION.
2. FILLET WELD TO BE ½ OF HORIZONTAL PLATE THICKNESS OR ½" MINIMUM
3. FILLET WELD TO BE ½ OF COLUMN WEB THICKNESS OR ½" MINIMUM.

10 TYPICAL RIGID CONNECTION W-BEAM TO TOP W-COLUMN FLANGE

NTS



NOTE:
1. SEE BEAM TO COLUMN CONNECTION DETAILS FOR BALANCE OF INFORMATION.

9 TYPICAL RIGID CONNECTION W-BEAM TO W-BEAM

STR-STL-ENG-008-I
NTS

N

BUROHAPPOLD ENGINEERING

BUREAU OF ENGINEERING

ENGINEERING
CITY OF LOS ANGELES

NO.	REVISIONS:	DATE:	BY:

BUILDING NO.

INDEX NO. RP 300094

REGISTERED PROFESSIONAL ENGINEER PATRICK D. ROBERTSON No. S4607 EXP 6-30-17 STRUCTURAL CIVIL STATE OF CALIFORNIA

BID SET SUBMITTAL

CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS

GARY LEE MOORE, PE, ENV SP CITY ENGINEER

ARCHITECTURAL DIVISION

ENGINEER: DERRICK ROORDA, PE LIC. NO. S4607 DATE: 2016 15

DESIGNED BY: JR

DRAWN BY: EN

CHECKED BY:

APPROVED BY:

VERTICAL CONTROL:

HORIZONTAL CONTROL:

SHEET TITLE: STEEL DETAILS

PROJECT: RANCHO CIENEGA SPORTS COMPLEX

ADDRESS: 5001 RODEO ROAD LOS ANGELES, CA 90016

WORK ORDER NO. E1907694

PLAN FILE NO.

DRAWING NO. S-710

SHEET OF SHEETS

PLOTTED: ----

REVISION DATES (DESIGN STAGE ONLY)

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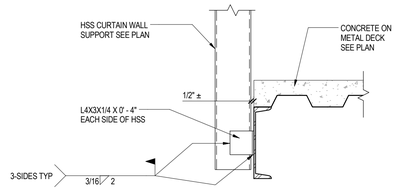
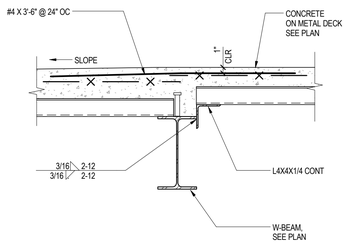
REVISION DATE: 7/21/2015 5:02 PM FILE: Z:\14-918 RANCHO CIENEGA SPORTS COMPLEX\DRAWINGS\CAD\BLOCKS\TITLEBLOCKS\LA_BOE_TTLB_RCSC_DESIGN DEVELOPMENT.DWG



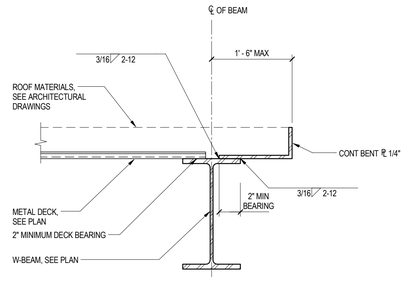
4 HSS POST AT CHANNEL

1" = 1'-0"



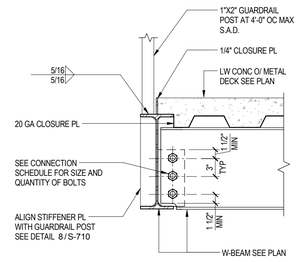
3 SLAB TRANSITION LESS THAN 4"

NTS



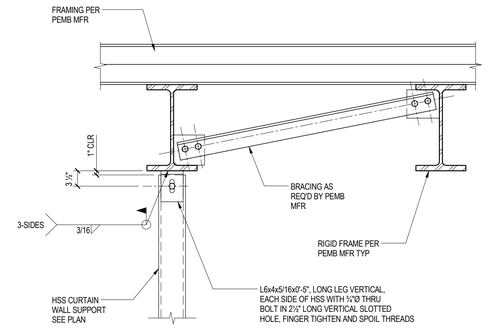
2 EDGE OF ROOF DECK

NTS



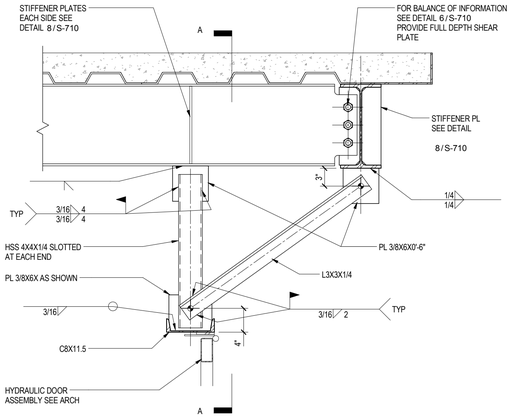
1 WALKING TRACK EDGE

1" = 1'-0"



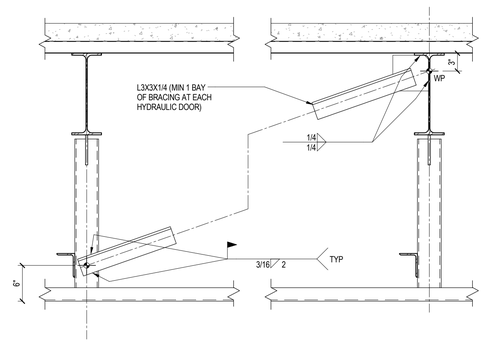
7 TOP OF HSS TO RIGID FRAME

NTS



6 OPERABLE DOOR HANGER

1" = 1'-0"



SECTION A-A

BUREAU OF ENGINEERING
OFFICIAL RECORD

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BUROHAPPOLD
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REVISION DATES
(DESIGN STAGE ONLY)

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REVISION DATE: 7/21/2015 5:02 PM FILE: Z:\14-018 RANCHO CIENEGA SPORTS COMPLEX\DRAWINGS\CADBLOCKS\TITLEBLOCKS\LA_BOE_TTLB_RCSC_DESIGN DEVELOPMENT.DWG

BID SET SUBMITTAL

CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS

BUREAU OF ENGINEERING
CITY OF LOS ANGELES

NO. REVISIONS: DATE: BY:

BUILDING NO.

INDEX NO. RP 300094

REGISTERED PROFESSIONAL ENGINEER
DERRICK D. ROORDA
No. S46071
EXP. 6-30-17
CIVIL
STRUCTURAL
STATE OF CALIFORNIA

GARY LEE MOORE, PE, ENV SP CITY ENGINEER

ARCHITECTURAL DIVISION LIC. NO. S46071

ENGINEER: DERRICK ROORDA, PE DATE: 2016

DESIGNED BY: JR

DRAWN BY: EN

CHECKED BY:

APPROVED BY:

VERTICAL CONTROL:
HORIZONTAL CONTROL:

SHEET TITLE: STEEL DETAILS

PROJECT: RANCHO CIENEGA SPORTS COMPLEX

ADDRESS: 5001 RODEO ROAD
LOS ANGELES, CA 90016

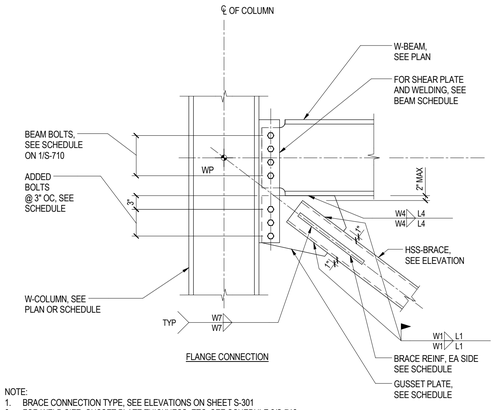
WORK ORDER NO.
E1907694

PLAN FILE NO.

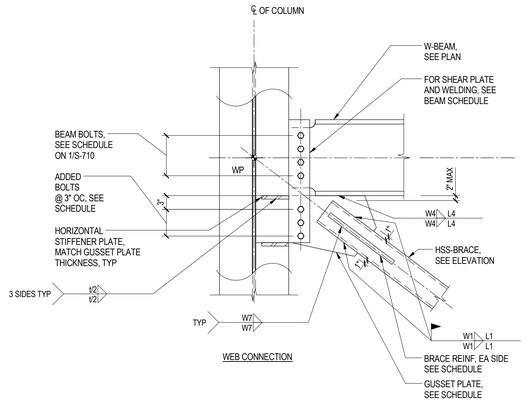
DRAWING NO.
S-711

SHEET OF SHEETS

PLOTTED: ----



FLANGE CONNECTION



WEB CONNECTION

NOTE:
1. BRACE CONNECTION TYPE, SEE ELEVATIONS ON SHEET S-301
2. FOR WELD SIZE, GUSSET PLATE THICKNESS, ETC, SEE SCHEDULE 2/S-712
3. FOR HSS SLOT CONNECTION, SEE DETAIL 6/S-712

4 HSS-BRACE CONNECTION TO W-COLUMN

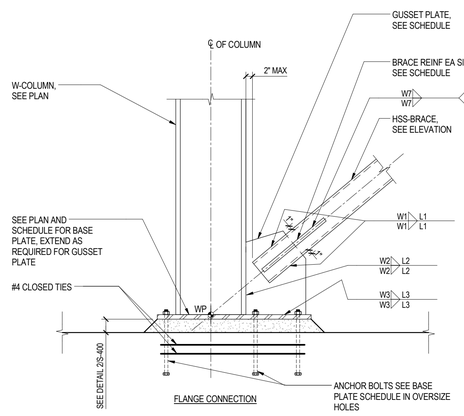
STR-STL-LIB-4041
NTS

BRACE CONNECTION SCHEDULE															
CONNECTION TYPE	GUSSET PLATE THICKNESS	WELD W1	LENGTH L1	WELD W2	LENGTH L2	WELD W3	LENGTH L3	WELD W4	LENGTH L4	WELD W5	LENGTH L5	NUMBER OF ADDED BOLTS	STIFFENER PLATE THICKNESS	WELD W6	BRACE REINFORCEMENT	WELD W7
A	1"	1/2	15"	-	-	-	14"	7/16	14"	7/16	28"	-	NOT REQ'D	NOT REQ'D	2"X1"X 1'-6"	5/16
B	1"	1/2	15"	-	-	-	14"	7/16	14"	7/16	28"	-	1"	5/16	2"X1"X 1'-6"	5/16

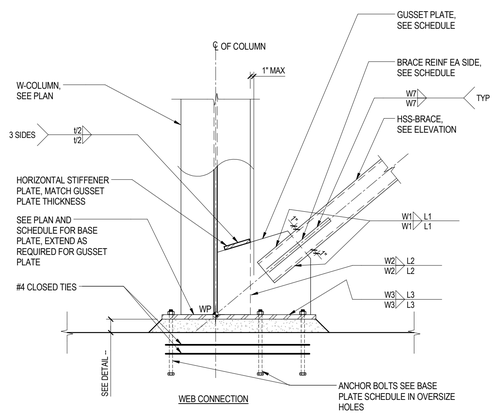
NOTES:
1. WELD LENGTHS SHOWN ARE MINIMUM. PROVIDE WELD FOR FULL WELD LENGTH OF JOINT WHERE LONGER PLATE IS REQUIRED.
2. ADDED BOLTS AND BOLTS IN BEAM SHALL BE 1" DIAMETER A325-SC.
3. USE LARGER WELDS AS MAY BE REQUIRED BY AISC SECTION J2 WELDS.
4. SHORE EXISTING AS REQUIRED WHILE HEATED FOR WELDING.
5. GUSSET PLATE MATERIAL SHALL BE ASTM A572 GRADE 50.

2 HSS-BRACE CONNECTION SCHEDULE TO W-BEAM

STR-STL-LIB-4021
NTS



FLANGE CONNECTION

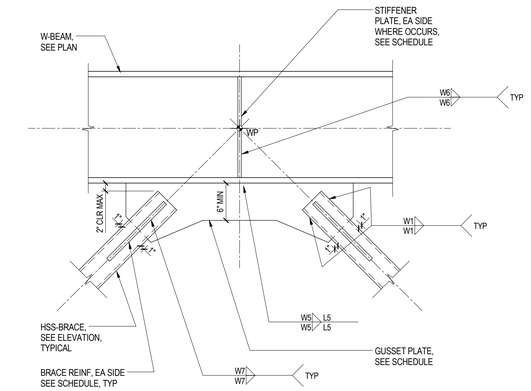


WEB CONNECTION

NOTE:
1. BRACE CONNECTION TYPE, SEE ELEVATIONS ON SHEET S-301
2. FOR WELD SIZE, GUSSET PLATE THICKNESS, ETC, SEE SCHEDULE 2/S-712
3. FOR HSS SLOT CONNECTION, SEE DETAIL 6/S-712

8 HSS-BRACE CONNECTION TO W-COLUMN

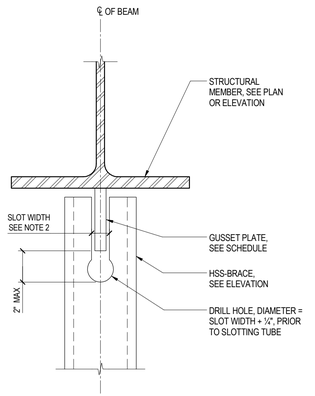
STR-STL-LIB-4061
NTS



NOTE:
1. BRACE CONNECTION TYPE, SEE ELEVATIONS ON SHEET S-301
2. FOR WELD SIZE, GUSSET PLATE THICKNESS, ETC, SEE SCHEDULE 2/S-712
3. FOR HSS SLOT CONNECTION, SEE DETAIL 6/S-712

6 HSS-BRACE CONNECTION TO W-BEAM

STR-STL-LIB-4071
NTS



NOTES:
1. FOR WELDING SEE BRACE CONNECTION SCHEDULE.
2. SLOT WIDTH = GUSSET PLATE THICKNESS + ¼"

5 HSS-BRACE CONNECTION TO W-BEAM

STR-STL-LIB-4051
NTS

BUREAU OF ENGINEERING
OFFICIAL RECORD

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BUREAU OF ENGINEERING

ENGINEERING
CITY OF LOS ANGELES

NO.	REVISIONS:	DATE:	BY:

BUILDING NO.

INDEX NO. RP 300094

REGISTERED PROFESSIONAL ENGINEER
PATRICK D. ROORDA
No. S46607
EXP. 6-30-17
STRUCTURAL
STATE OF CALIFORNIA

BID SET SUBMITTAL

CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS

GARY LEE MOORE, PE, ENV SP CITY ENGINEER
DATE: OCT 15 2016
ARCHITECTURAL DIVISION LIC. NO. S46607
ENGINEER: DERRICK ROORDA, PE
DESIGNED BY: JR
DRAWN BY: EN
CHECKED BY:
APPROVED BY:

VERTICAL CONTROL:
HORIZONTAL CONTROL:

SHEET TITLE: STEEL BRACED FRAME DETAILS

PROJECT: RANCHO CIENEGA SPORTS COMPLEX

ADDRESS: 5001 RODEO ROAD
LOS ANGELES, CA 90016

WORK ORDER NO. E1907694
PLAN FILE NO.
DRAWING NO. S-712
SHEET OF SHEETS

PLOTTED: ----

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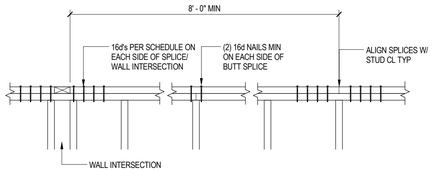
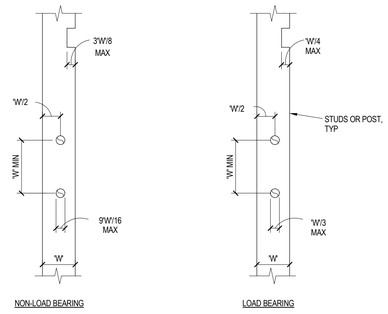
TYPE	PLATE SIZE (MIN)	NAILS (EACH SIDE)
TYP UON	(2) 2X4	8 - 16d
A	(2) 2X4	14 - 16d
B	(2) 2X4	20 - 16d
C	(2) 2X4	28 - 16d
D	(2) 2X6	36 - 16d
E	(2) 2X6	48 - 16d



NOTES:
1. NOTCHING OR DRILLING OF HEAVY TOP PLATE SPLICES (TYPE A - E) NOT PERMITTED WITHOUT PERMISSION OF ENGINEER
2. SEE PLAN FOR LOCATION OF HEAVY TOP PLATE SPLICES (WHERE OCCURS)

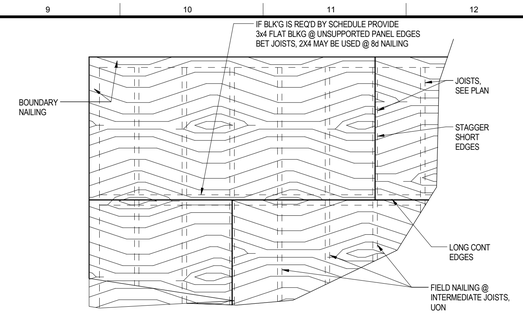
4 TOP PLATE SPLICE
NTS



NOTE:

1. NOTCHING OF MEMBER OR OVERSIZE HOLES IN MEMBER NOT PERMITTED WITHOUT WRITTEN PERMISSION OF THE OWNER'S REPRESENTATIVE.
2. DO NOT PLACE HOLES IN MEMBERS WITH HOLDOWN ANCHORS.

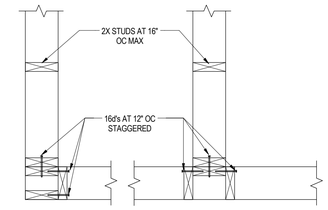
3 HOLES & NOTCHES IN STUDS OR POSTS
NTS



TYPE	CAPACITY (PLF)	BLK'G REQ'D	NAILING		
			BOUNDARY	EDGE	FIELD
TYP UON	240	NO	10d @ 6"O.C.	10d @ 6"O.C.	10d@12"O.C.
A	360	YES	10d @ 6"O.C.	10d @ 6"O.C.	10d@12"O.C.
B	480	YES	10d @ 4"O.C.	10d @ 6"O.C.	10d@12"O.C.
C	720	YES	10d @ 2 1/2" O.C. STAGGERED	10d @ 4"O.C.	10d@12"O.C.

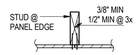
NOTES:
1. APPLY PLYWOOD SHEATHING WITH FACE GRAIN PERP TO JOISTS STAGGER 4'-0" EDGES AS SHOWN
2. PROVIDE BOUNDARY NAILING OVER SHEAR WALLS, AT COLLECTORS & TIES, U.O.N.
3. ALL ROOF NAILING SHALL BE INSPECTED BEFORE ANY ROOFING MATERIAL IS APPLIED

2 WOOD DIAPHRAGM NAILING SCHEDULE
NTS

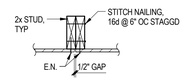


NOTES:
1. PROVIDE REQUIRED POSTS AND HOLDOWNS AS NOTED ON PLANS AND DETAILS

1 TYPICAL STUD WALL CORNERS / INTERSECTIONS
NTS



SECTION A-A

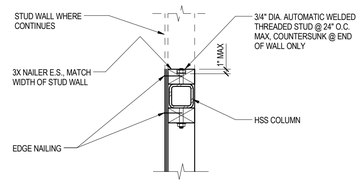


ALT SECTION A-A

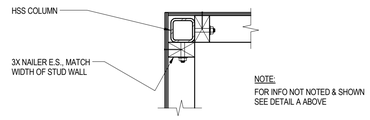
NOTES:
1. INDIVIDUAL PANEL PIECES SHALL NOT BE LESS THAN 2'-0" IN LEAST DIMENSION NOR LESS THAN 8 SQ FEET, U.O.N.
2. 2-SILL BOLTS MIN PER PIECE w/ 6" MIN & 12" MAX FROM EA END DO NOT CONSIDER HOLDOWN ANCHOR BOLTS AS SILL BOLTS
3. PLACE PANELS ON SAME SIDE OF WALL AS SYMBOL SHOWN ON PLAN.
4. FOR WALLS WITH PANELS APPLIED ON BOTH FACES, OFFSET PANEL JOINTS TO FALL ON DIFFERENT FRAMING MEMBERS
5. USE ALL SPECIFIED FASTENERS AT HOLDOWNS PER CURRENT SIMPSON ICC-ESR/LARR CODE REPORT (MIN SDS 1/4x2x2-1/2 SCREWS)
6. USE 4x BLKG @ SILL PLATES WITH LAG BOLTS OR SDS SCREWS SCREWS, INSTALL AT CENTER OF BLKG
7. USE THREADED COUPLER w/ MATCHING A307 ROD AT RAISED FLOOR CONDITION.
8. TIGHTEN NUTS JUST PRIOR TO COVERING WALL.
9. PROVIDE HOT-DIPPED GALVANIZED NAILS AT P.T. SILL PLATES.
10. PROVIDE 1 3/4" MIN EDGE DISTANCE FOR A.B. & ADH ANCHORS.
11. PROVIDE MINIMUM 3" SQ x 0.229" (3 GAGE) PL WASHERS AT SILL PLATE ANCHORS, TYP.
12. PROVIDE SPECIAL INSPECTION FOR ADHESIVE ANCHORS PER ICC-ESR/LARR REPORT
13. PROVIDE SPECIAL INSPECTION FOR CAST-IN-PLACE ANCHORS IF CONCRETE COMPRESSIVE STRENGTH EXCEEDS 2500 PSI

	SHEAR PANEL SCHEDULE									
PANEL TYPE	CAPACITY (PLF)	SHEATHING	NAILS	EDGE NAILING	FEILD NAILING	STUDS AND BLKG AT PANEL EDGES	SILL PLATE	5/8" DIA ANCHOR BOLTS @ SLAB	SILL PLATE CONNECTION @ SUBFLOOR	FRAMING CLIP SPACING (A35/LTP4)
1	260	3/8"	8d	6" O.C.	12" O.C.	2X	2X	48" OC	16d @ 6" OC	24" OC
2	380	3/8"	8d	4" O.C.	12" O.C.	2X	2X	32" OC	16d @ 6" OC	16" OC
3	490	3/8"	8d	3" O.C.	12" O.C.	2X	2X	32" OC	16d @ 6" OC	16" OC
4	640	3/8"	8d	2" O.C.	12" O.C.	3X	2X	24" OC	2-ROWS 16d @ 6" OC STAGGERED INTO 3 1/2" LSL RIM/BLKG	12" OC
5	770	15/32"	10d	2" O.C.	12" O.C.	3X	3X	24" OC	2-ROWS 1/4"X6" STD SCREWS @ 8" OC INTO 3 1/2" LSL RIM/BLKG	8" OC
6	1200	15/32" (BOTH FACES)	10d	3" O.C.	12" O.C.	3X	3X	16" OC	2-ROWS 1/4"X6" STD SCREWS @ 6" OC INTO 3 1/2" LSL RIM/BLKG	6" OC

11 SHEAR WALL FRAMING
1/2" = 1'-0"



A-IN LINE OF WALL

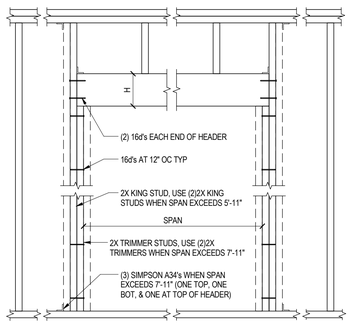


NOTE:
FOR INFO NOT NOTED & SHOWN SEE DETAIL A ABOVE

B-AT CORNER

6 STEEL COLUMN NAILER
NTS

HEADER SCHEDULE (UON ON PLANS)	
SPAN	NOMINAL DIM'S OF HEADER (W X H)
LESS THAN 6'-0"	DEPTH OF STUD X 6
6'-0" - 7'-11"	DEPTH OF STUD X 8
8'-0" - 10'-0"	DEPTH OF STUD X 10
FOR SPANS GREATER THAN 10'-0" HEADER SHALL BE AS DIRECTED BY STRUCTURAL ENGINEER	



10 TYPICAL HEADER AT BEARING WALL
NTS

NAILING SCHEDULE (1)	
CONNECTION	NAILING (2)
JOIST TO SILL OR GIRDER, TOENAIL	3 - 8d
BLOCKING TO JOIST, TOENAIL EACH END	2 - 16d
SOLE PLATE TO JOIST OR BLOCKING, FACE NAIL	16d AT 16" OC
TOP PLATE TO STUD, END NAIL	2 -16d
STUD TO SOLE PLATE	4 - 8d TOENAIL or 2 - 16d END NAIL
DOUBLE STUDS, FACE NAIL	16d AT 24" OC
DOUBLE TOP PLATES, FACE NAIL	16d AT 16" OC
DOUBLE TOP PLATE LAP SPLICE, FACE NAIL	8 - 16d
TOP PLATES (LAPS AND INTERSECTIONS), FACE NAIL	2 - 16d
BLK'G BTWN JOISTS OR RAFTERS TO TOP PLATE, TOENAIL	3 - 8d
RIM JOIST TO TOP PLATE, TOENAIL	8d AT 6" OC
CONTINUOUS HEADER, TWO PIECES, FACE NAIL	16d AT 16" OC ALONG EDGE
CEILING JOISTS TO PLATE, TOENAIL	3 - 8d
CONTINUOUS HEADER TO STUD, TOENAIL	4 - 8d
CEILING JOISTS, LAPS OVER PARTITIONS, FACE NAIL	3 - 16d
CEILING JOISTS TO PARALLEL RAFTERS, FACE NAIL	3 - 16d
RAFTER TO PLATE, TOE NAIL	3 - 8d
BUILT-UP CORNER STUDS	16d AT 24" OC
BUILT-UP GIRDERS AND BEAMS	20d AT 32" OC (TOP & BOT STAGGERED ON OPP SIDES)
BUILT-UP CORNER STUDS	16d AT 24" OC
COLLAR TIE TO RAFTER, FACE NAIL	3 - 10d
JACK RAFTER TO HIP	3 - 10d TOENAIL or 2 - 16d FACE NAIL
ROOF RAFTER TO 2X RIDGE BEAM	2 - 16d TOENAIL or 2 - 16d FACE NAIL

NOTES:
(1) TABLE REPRESENTS MINIMUM NAILING ONLY. SEE DETAILS FOR LOCATIONS WHERE OTHER NAILING IS SPECIFIED.
(2) COMMON NAILS TO BE USED THROUGHOUT UON

9 TYPICAL NAILING SCHEDULE

BUREAU OF ENGINEERING OFFICIAL RECORD

BUREAU OF ENGINEERING
ENGINEERING
CITY OF LOS ANGELES

NO.	REVISIONS:	DATE:	BY:

BUILDING NO.

INDEX NO. RP 300094

REGISTERED PROFESSIONAL ENGINEER PATRICK D. ROORDA No. 54607 EXP. 6-30-17 CIVIL STRUCTURAL MECHANICAL CALIFORNIA

CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS
BID SET SUBMITTAL

GARY LEE MOORE, PE, ENV SP — CITY ENGINEER — DATE: 2016 15
ARCHITECTURAL DIVISION — LIC. NO. S-48607
ENGINEER: DERRICK ROORDA, PE
DESIGNED BY: JR
DRAWN BY: EN
CHECKED BY:
APPROVED BY:

VERTICAL CONTROL:
HORIZONTAL CONTROL:
SHEET TITLE: WOOD DETAILS
PROJECT: RANCHO CIENEGA SPORTS COMPLEX
ADDRESS: 5001 RODEO ROAD LOS ANGELES, CA 90016

WORK ORDER NO. E1907694
PLAN FILE NO.
DRAWING NO. S-800
SHEET OF SHEETS

PLOTTED: ----

BUROHAPPOLD ENGINEERING

REVISION DATES (DESIGN STAGE ONLY)

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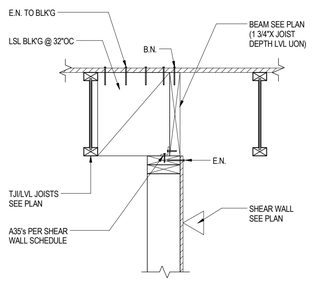
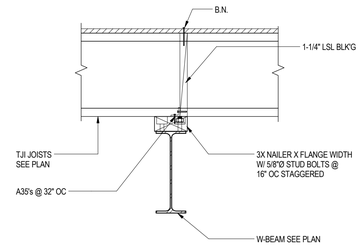
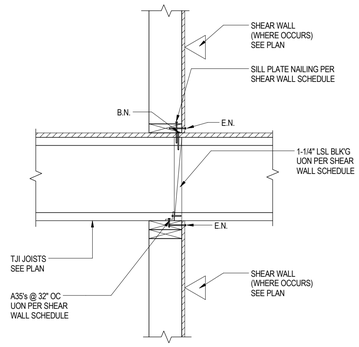
REVISION DATE: 7/21/2015 5:02 PM FILE: Z:\14-018 RANCHO CIENEGA SPORTS COMPLEX\DRAWINGS\CAD\BLOCKS\TITLEBLOCKS\LA_BOE_TTLB_RCSC_DESIGN DEVELOPMENT.DWG



4 SHEAR TRANSFER AT FLOOR JOISTS PARALLEL
1" = 1'-0"



3 I JOISTS O/ DROPPED W-BEAM
1" = 1'-0"



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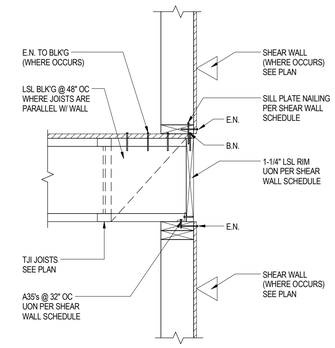
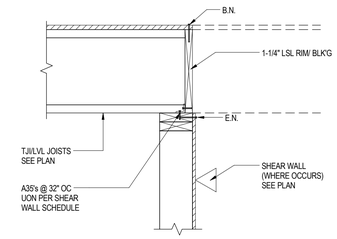
1" = 1'-0"



1 TYPICAL SHEAR TRANSFER AT FLOOR
1" = 1'-0"



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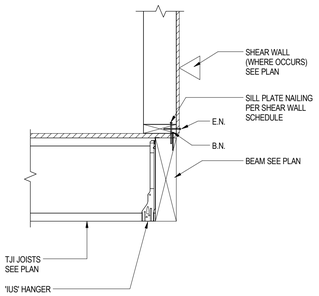
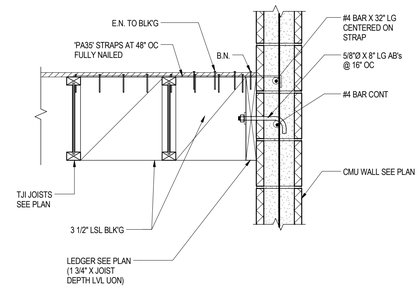
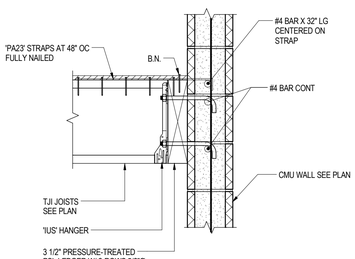


7 I JOISTS TO FLUSH BEAM
1" = 1'-0"



6 LEDGER TO CMU WALL JOISTS PARALLEL
1" = 1'-0"



5 LEDGER TO CMU WALL JOISTS PERP
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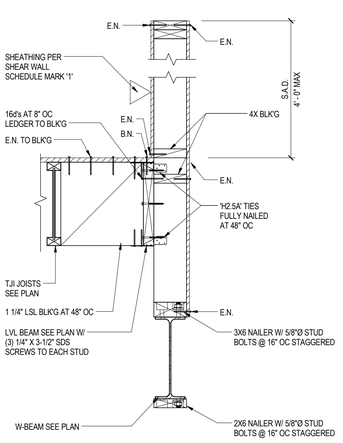
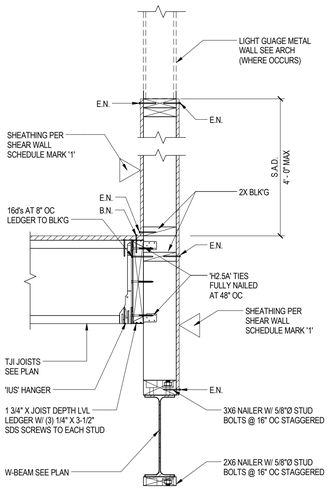
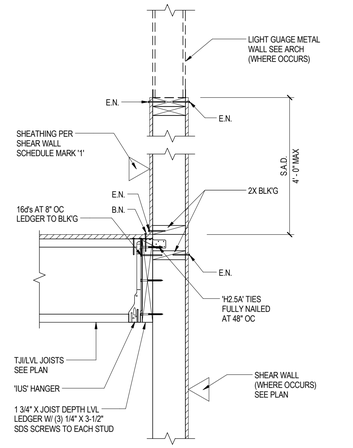


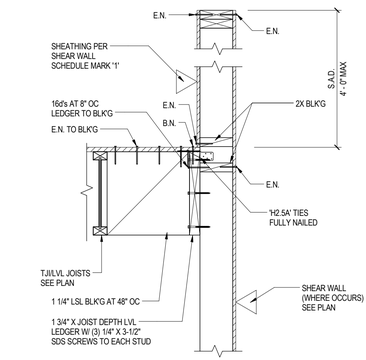
12 SHEAR TRANSFER AT FLOOR Copy 5 Copy 2 Copy 1
1" = 1'-0"



11 SHEAR TRANSFER AT FLOOR Copy 5 Copy 1
1" = 1'-0"



10 JOIST LEDGER JOISTS PERP
1" = 1'-0"



9 JOIST LEDGER JOISTS PARALLEL
1" = 1'-0"

N

BUROHAPPOLD ENGINEERING

BUREAU OF ENGINEERING
ENGINEERING
CITY OF LOS ANGELES

NO.	REVISIONS:	DATE:	BY:

BUILDING NO.

INDEX NO. RP 300094

REGISTERED PROFESSIONAL ENGINEER
PATRICK D. ROBERTSON
No. 54607
EXP. 6-30-17
CIVIL
STATE OF CALIFORNIA

BID SET SUBMITTAL

CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS

GARY LEE MOORE, PE, ENV SP CITY ENGINEER
ARCHITECTURAL DIVISION
ENGINEER: DERRICK ROORDA, PE LIC. NO. S4607
DESIGNED BY: JR
DRAWN BY: EN
CHECKED BY:
APPROVED BY:
DATE: 2015

VERTICAL CONTROL:
HORIZONTAL CONTROL:

SHEET TITLE: WOOD DETAILS

PROJECT: RANCHO CIENEGA SPORTS COMPLEX
ADDRESS: 5001 RODEO ROAD
LOS ANGELES, CA 90016

WORK ORDER NO. E1907694
PLAN FILE NO.
DRAWING NO. S-801
SHEET OF SHEETS

PLOTTED: ----

REVISION DATES (DESIGN STAGE ONLY)

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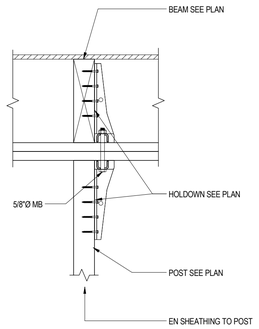
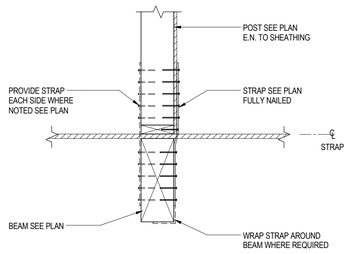
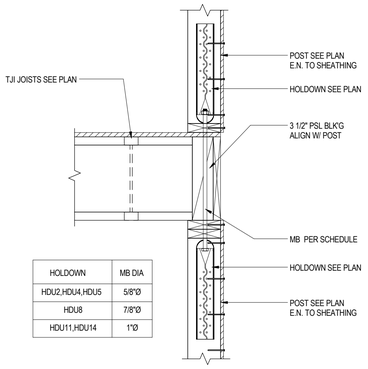
REVISION DATE: 7/21/2015 5:02 PM FILE: Z:\14-018 RANCHO CIENEGA SPORTS COMPLEX\DRAWINGS\CAD\BLOCKS\TITLEBLOCKS\LA_BOE_TTLB_RCSC_DESIGN DEVELOPMENT.DWG



4 HOLDOWN BM TO POST
1" = 1'-0"

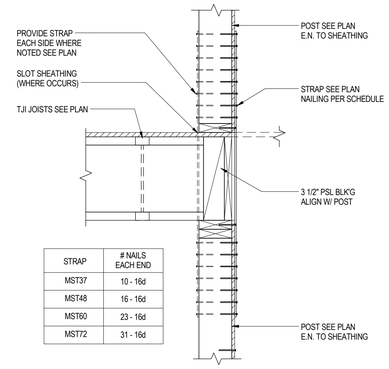


3 STRAP POST TO BEAM
1" = 1'-0"



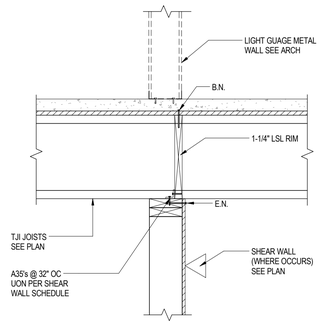
HOLDOWN	MB DIA
HDU2,HDU4,HDU5	5/8"Ø
HDU8	7/8"Ø
HDU11,HDU14	1"Ø

2 HOLDOWN POST TO POST
1" = 1'-0"

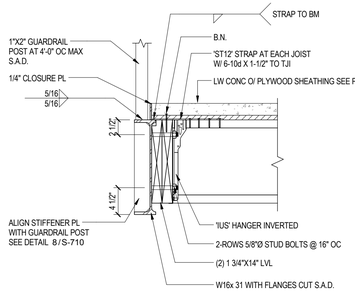


STRAP	# NAILS EACH END
MST37	10 - 16d
MST48	16 - 16d
MST60	23 - 16d
MST72	31 - 16d

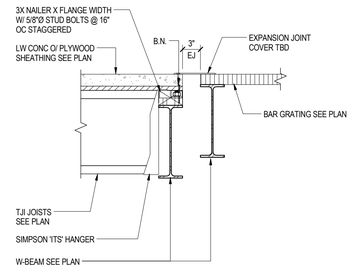
1 STRAP POST TO POST
1" = 1'-0"



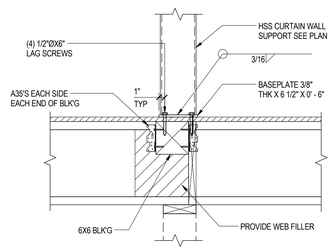
8 SHEAR TRANSFER AT FLOOR JOISTS PERP
1" = 1'-0"



7 WALKING TRACK EDGE AT TJI
1" = 1'-0"



6 I JOISTS TO FLUSH W-BEAM @ BRIDGE
1" = 1'-0"



10 HSS POST BASE CONNECTION
1" = 1'-0"

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REVISION DATE: 7/21/2015 5:02 PM FILE: Z:\14-018 RANCHO CIENEGA SPORTS COMPLEX\DRAWINGS\CADBLOCKS\TITLEBLOCKS\LA_BOE_TTLB_RCSC_DESIGN DEVELOPMENT.DWG

REVISION DATES
(DESIGN STAGE ONLY)

BUREAU OF ENGINEERING
CITY OF LOS ANGELES
ENGINEERING

BUREAU OF ENGINEERING

NO.	REVISIONS:	DATE:	BY:

BUILDING NO.

INDEX NO. RP 300094

REGISTERED PROFESSIONAL ENGINEER
DERRICK D. ROORDA
No. S4607
EXP. 6-30-17
CIVIL
STRUCTURAL
STATE OF CALIFORNIA

BID SET SUBMITTAL

CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS

GARY LEE MOORE, PE, ENV SP CITY ENGINEER
DATE: 2016 15
ARCHITECTURAL DIVISION
LIC. NO. S4607
ENGINEER: DERRICK ROORDA, PE
DESIGNED BY: JR
DRAWN BY: EN
CHECKED BY:
APPROVED BY:

VERTICAL CONTROL:
HORIZONTAL CONTROL:

SHEET TITLE: WOOD DETAILS

PROJECT: RANCHO CIENEGA SPORTS COMPLEX

ADDRESS: 5001 RODEO ROAD
LOS ANGELES, CA 90016

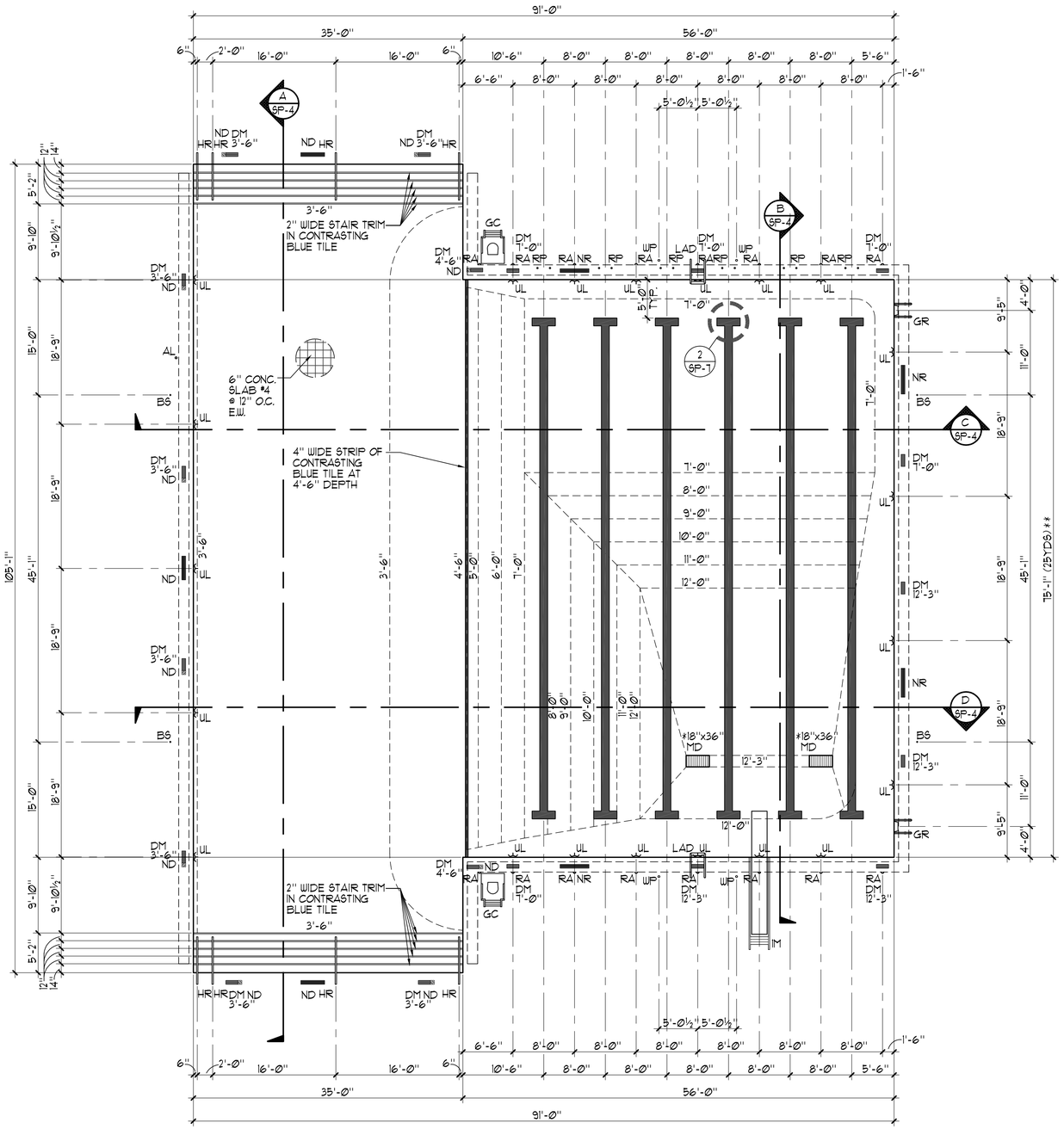
BUREAU OF ENGINEERING
OFFICIAL RECORD

WORK ORDER NO.
E1907694
PLAN FILE NO.

DRAWING NO.
S-802
SHEET OF SHEETS

PLOTTED: ----

BUROHAPPOLD ENGINEERING



SWIMMING POOL DATA

SURFACE AREA	=	7,882 SQ. FT.
PERIMETER	=	392 FT.
DEPTH	=	3'-6" TO 12'-3"
VOLUME	=	378,000 GAL.
6 HR. TURNOVER	=	1050 GPM

LEGEND

MD	=	MAIN DRAIN	4 SP-10
RA	=	ROPE ANCHOR	4 SP-6
UL	=	UNDERWATER LIGHT	2 SP-12
HR	=	HANDRAIL	6 SP-7
GR	=	GRABRAIL	1 SP-8
DM	=	DEPTH MARKER	3 SP-7
NR	=	'NO RUNNING'	4 SP-7
ND	=	'NO DIVING'	4 SP-7, 5 SP-7
BS/SA	=	BACKSTROKE/STANCHION ANCHOR	1 SP-10
AL	=	ACCESSIBLE LIFT	1 SP-9
GC	=	GUARD CHAIR	2 SP-11
WP	=	WATERPOLO GOAL ANCHOR	3 SP-9
1M	=	ONE METER DIVE STAND	2 SP-8
RP	=	RACING PLATFORM	2 SP-9
LAD	=	LADDER	3 SP-15

CERTIFICATION REQUIREMENTS

* CONTRACTOR SHALL RETAIN A LICENSED ENGINEER TO CERTIFY THE FIELD BUILT MAIN DRAIN SYSTEMS AS V.G.B. COMPLIANT.

THE CONTRACTOR SHALL RETAIN AN INDEPENDENT LICENSED SURVEYOR TO PROVIDE PROOF OF COMPLIANCE FOR REQUIRED POOL LENGTHS AS FOLLOWS:

5 SP-14 ** SHORT COURSE-25YDS: (ALLOWS FOR TOUCH PADS AT ONE END) 75'-0⅜" MIN.; 75'-1⅜" MAX.

TOLERANCE AGAINST LENGTH SHALL EXTEND IN A VERTICAL PLANE Ø3M (12") ABOVE AND Ø8M. (2'-11½") BELOW THE SURFACE OF THE WATER AT ALL POINTS OF BOTH END WALLS TYP. OF ALL COURSES.

1 **SWIMMING POOL LAYOUT PLAN** 1/8" = 1'-0"

BID SET

CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS BUREAU OF ENGINEERING

LA DPW ENGINEERING TRANSFORMING LOS ANGELES

GARY LEE MOORE, PE, ENV SP CITY ENGINEER
ARCHITECTURAL DIVISION
ARCHITECT: SCOTT FERRELL LIC. NO. C-26222
DESIGNED BY:
DRAWN BY:
CHECKED BY:
APPROVED BY: MAHMOOD KARIMZADEH, A.I.A., PRINCIPAL ARCHITECT
DATE:

NO. REVISIONS: BY: DATE:

BUILDING NO.

INDEX NO. RP 300094

LICENSED ARCHITECT SCOTT T. FERRELL C-26222 REN. 12/31/17 STATE OF CALIFORNIA

VERTICAL CONTROL:
HORIZONTAL CONTROL:

SHEET TITLE: SWIMMING POOL LAYOUT PLAN (OPT. 2)

PROJECT: RANCHO CIENEGA SPORTS COMPLEX

ADDRESS: 5001 RODEO ROAD LOS ANGELES, CA 90016

BUREAU OF ENGINEERING OFFICIAL RECORD

WORK ORDER NO. E1907694

PLAN FILE NO.

DRAWING NO. SP-1

SHEET OF SHEETS

PLOTTED: 12/13/2016 2:59 PM

REVISION DATES (DESIGN STAGE ONLY)

TEMPLATE SHEET REVISION DATE: 08/2014
REVISION DATE: 12/7/2016 1:37 PM FILE: Z:\DRAWINGS\RECREATION N-Z\RANCHO CIENEGA\RC-SP1.2.DWG

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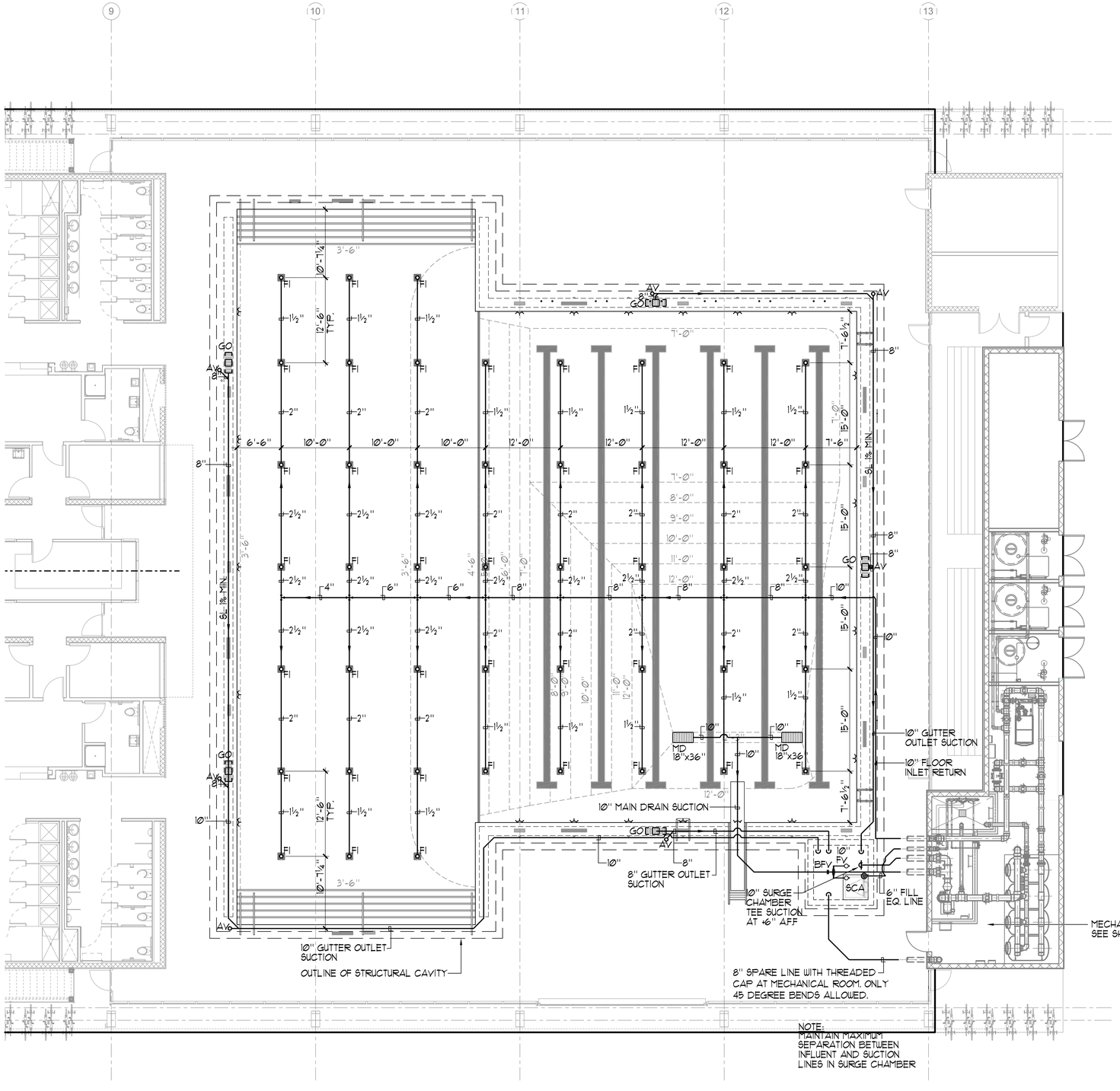

SWIMMING POOL DATA

SURFACE AREA	=	7,882 SQ. FT.
PERIMETER	=	392 FT.
DEPTH	=	3'-6" TO 12'-3"
VOLUME	=	378,000 GAL.
6 HR. TURNOVER	=	1050 GPM

SWIMMING POOL SURGE DATA

REQUIRED SURGE CAPACITY	=	7,882 GAL.
SURGE IN PERIMETER GUTTER	=	4,751 GAL.
SURGE IN GUTTER PLUMBING	=	1,106 GAL.
SURGE IN 8'x10' SURGE CHAMBER	=	2,396 GAL.
TOTAL SUPPLIED SURGE	=	8,253 GAL.

∴ 8,253 GAL. > 7,882 GAL. +4% OK

LEGEND

MD	=	MAIN DRAIN	4 / SP-10
FI	=	FLOOR INLET	5 / SP-10
GO	=	GUTTER OUTLET	1 / SP-11
AV	=	AIR VENT	3 / SP-10
SCA	=	SURGE CHAMBER ACCESS COVER	2 / SP-6
BFV	=	BUTTERFLY VALVE	4 / SP-11
FV	=	FLOAT VALVE	
AFF.	=	ABOVE FINISH FLOOR	

NOTES:

3 / SP-14

1. PIPING ROUTES ARE SCHEMATIC IN NATURE AND SHOWN ON PLANS FOR CLARITY. CONTRACTOR SHALL ROUTE PIPING ACCORDINGLY TO MEET NOTED INVERT ELEVATIONS. REFER TO REFERENCED DETAIL FOR PIPE SPACING REQUIREMENTS. POOL GUTTER PIPING SHALL RUN DIRECTLY UNDER GUTTERS TO SURGE CHAMBER.
2. ALL BELOW GRADE POOL PIPING SHALL BE SCHEDULE 40 PVC AND ALL ABOVE GRADE POOL PIPING SHALL BE SCHEDULE 80 PVC.
3. COORDINATE ALL PIPING WITH SITE AND BUILDING UTILITIES INCLUDING PIPING, CONDUITS / STRUCTURES AND THE LIKE. COORDINATE ROUTING OF PIPING THROUGH STRUCTURAL WALLS AND SLABS. ALL PIPING SHALL HAVE UNIFORM SLOPE IN ONE DIRECTION.
4. SURGE CHAMBER TEE SUCTION SHALL BE SET AT 46" AFF. MAINTAIN MAXIMUM SEPARATION BETWEEN SUCTION AND INFLUENT PIPING WITHIN THE SURGE CHAMBER.
5. EACH MAIN DRAIN SHALL BE EQUIPPED WITH HYDROSTATIC RELIEF VALVE PER RECOMMENDATIONS OF GEOTECHNICAL REPORT

5 / MR-5

6. PROVIDE CENTURY-LINE SLEEVE AND LINK SEALS FOR ALL POOL PLUMBING PENETRATIONS THROUGH STRUCTURAL CAVITY. POOL CONTRACTOR TO COORDINATE WITH ALL TRADES AS NECESSARY.

1 **SWIMMING POOL PIPING PLAN** 1/8" = 1'-0"

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TEMPLATE SHEET REVISION DATE: 08/2014
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REVISION DATES: (DESIGN STAGE ONLY)

BUREAU OF ENGINEERING

LA DPW ENGINEERING TRANSFORMING LOS ANGELES

NO.	REVISIONS:	DATE:	BY:
1	HEALTH DEPT CORRECTIONS	12.15.16	AGG

BUILDING NO.

INDEX NO. RP 300094

LICENSED ARCHITECT * SCOTT J. FERRELL * REN. 07/31/17 * C-26222 * STATE OF CALIFORNIA

BID SET

CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS

GARY LEE MOORE, PE, ENV SP CITY ENGINEER
ARCHITECTURAL DIVISION

ARCHITECT: SCOTT FERRELL LIC. NO. C-26222
DESIGNED BY:
DRAWN BY:
CHECKED BY:
APPROVED BY: MAHMOOD KARIMZADEH, A.I.A., PRINCIPAL ARCHITECT

VERTICAL CONTROL:
HORIZONTAL CONTROL:

SHEET TITLE: SWIMMING POOL PIPING PLAN

PROJECT: RANCHO CIENEGA SPORTS COMPLEX

ADDRESS: 5001 RODEO ROAD
LOS ANGELES, CA 90016

BUREAU OF ENGINEERING OFFICIAL RECORD

WORK ORDER NO. E1907694
PLAN FILE NO.
DRAWING NO. SP-2
SHEET OF SHEETS

PLOTTED: 12/13/2016 3:00 PM

SWIMMING POOL DATA

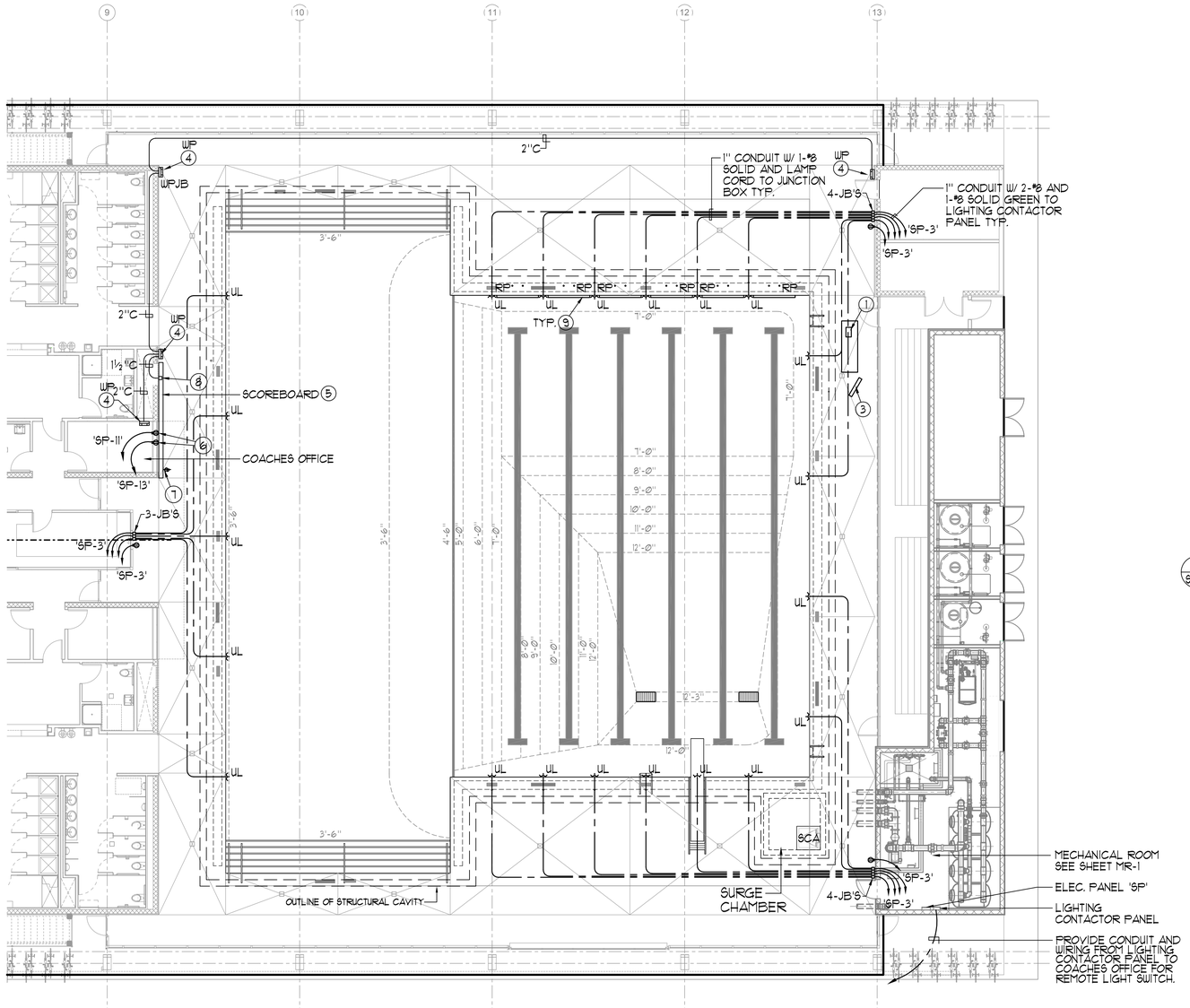
SURFACE AREA	=	7,882 SQ. FT.
PERIMETER	=	392 FT.
DEPTH	=	3'-6" TO 12'-3"
VOLUME	=	378,000 GAL.
6 HR. TURNOVER	=	1,050 GPM

NOTES:

1. REFER TO ELECTRICAL PLANS FOR LOCATION OF REMOTE UNDERWATER LIGHT SWITCH.
2. UNDERWATER LIGHTS SHALL BE EQUIPPED WITH 100' MAX. CORD LENGTH.
3. (5 / MR-5) PROVIDE CENTURY-LINE SLEEVE AND LINK SEALS FOR ALL POOL CONDUIT PENETRATIONS THROUGH STRUCTURAL CAVITY. POOL CONTRACTOR TO COORDINATE WITH ALL TRADES AS NECESSARY.

LEGEND

UL	=	UNDERWATER LIGHT — (3 / SP.9)
JB	=	JUNCTION BOX — (4 / SP.9)
RP	=	RACING PLATFORM — (3 / SP.7)
WP	=	WALL PLATE — (6 / SP.9)
DP	=	DECK PLATE — (1 / SP10)
WP/JB	=	WALL PLATE JUNCTION BOX



TIMING SYSTEM NOTE / EQUIPMENT

NOTE: THE CONTRACTOR SHALL SUPPLY AND INSTALL DECK PLATE BOXES, WALL PLATE BOXES, WALL PLATE JUNCTION BOXES, CONDUIT, FOR FUTURE INSTALLATION OF SCOREBOARD SYSTEM. 'COLORADO TIME SYSTEM' OR APPROVED EQUAL.

TIMING SYSTEM

	QTY	MODEL	DESCRIPTION
(1)	1	SPORTS TIMER (cULus LISTED)	MULTI-SPORT TIMING/SCORING CONSOLE HARDWARE: MULTI-SPORT AQUATICS TIMING AND SCORING CONSOLE WITH CARRYING CASE. SPORT INSERTS TO INCLUDE SWIMMING, DIVING, WATER POLO AND PACE CLOCK. SYSTEM TO INCLUDE 15" FULL LCD DISPLAY, CD-RW DRIVE, UNLIMITED RACE/MEET STORAGE, EXTERNAL MOUSE AND KEYBOARD PORT AND BACKUP RECHARGEABLE SYSTEM. SOFTWARE: SWIMMING, DIVING, WATER POLO AND PACE CLOCK SOFTWARE SHALL BE PROVIDED. SWIMMING SOFTWARE SHALL BE CAPABLE OF STORED LAP AND CUMULATIVE SPLITS. SPLIT INFORMATION SHALL BE POSTED TO SCOREBOARD IN LAP OR CUMULATIVE FORMAT. SOFTWARE SHALL BE CAPABLE OF TIMING UP TO 10 LANES OF COMPETITION-NEAR AND FAR END. SOFTWARE SHALL HAVE TIMING CAPABILITY OF ONE TOUCHPAD WITH UP TO THREE BUTTON BACKUP AND RELAY TAKE-OFF PLATFORM. SWIMMING SOFTWARE SHALL OPERATE IN A POINT AND CLICK WINDOWS® ENVIRONMENT.
	1	CABLE HARNESS	TEN-LANE 'ON DECK' TIMING HARNESS INCLUDES A TEN-LANE CABLE HARNESS AND ONE PUSHBUTTON PER LANE.
(9)	6	TP-90G (cULus LISTED)	18"x22" TOUCHPAD. TOUCHPAD SHALL BE CONSTRUCTED OF STAINLESS STEEL TO PREVENT THE POSSIBILITY OF WARPING IN EXTREME HEAT.

TOUCHPAD CADDY

QTY	MODEL	DESCRIPTION
1	CART	TOUCHPAD CADDY FOR GUTTERHUNG TOUCHPADS. HOLDS UP TO TEN TOUCHPADS. SHALL ARRIVE ON SITE FULLY ASSEMBLED.

START SYSTEM

	QTY	MODEL	DESCRIPTION
(3)	1	HORN START	ELECTRONIC START SYSTEM WITH WIRELESS MICROPHONE, WIRED MICROPHONE, VOLUME CONTROLS FOR AUXILIARY SPEAKERS & INDIVIDUAL LANE SPEAKERS, BUILT-IN EXTERNAL 360-DEGREE STROBE LIGHT WITH CAPABILITY TO ADD REMOTE EXTERNAL STROBE, AC POWER CAPABILITY FOR MEET OPERATION IN THE EVENT THE BATTERY SYSTEM FAILS, LED BATTERY LEVEL INDICATION LIGHT, ABILITY TO DISABLE RECALL FUNCTION.
	6	LANE SPEAKER	INDIVIDUAL 6 WATT LANE SPEAKER FOR START SYSTEM
	1	AUX. SPEAKER	40 WATT SPEAKER WITH 100' OF CABLE
	1	BRACKET	BACKSTROKE FLAGPOLE MOUNTING BRACKET FOR START SYSTEM.
	1	CABLE	THIRTY FOOT JUMPER CABLE

IN-DECK

QTY	MODEL	DESCRIPTION
N/A	LANE DECK PLATE	DECK PLATES NOT REQUIRED

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(4)	3	WALL PLATE (cULus LISTED)	WALL PLATE, TIMING. WALL PLATE: 12"x12"x6" WALL BOX IN CONC. PEDESTAL, ONE (1) TOTAL. WALL BOX WITH WALL PLATE JUNCTION BOX 12"x12"x6" ONE (1) TOTAL.

WATER POLO

QTY	MODEL	DESCRIPTION
1	WATER POLO	WATER POLO PACKAGE TO INCLUDE HAND-HELD GAME CLOCK START/STOP/HORN SWITCH, HAND-HELD SHOT CLOCK START/STOP/RESET SWITCH AND ABOVE DECK SHOT CLOCK DATA CABLES

(6 / SP10) SCOREBOARD (NIC)

	QTY	MODEL	DESCRIPTION
(5)	1	SCORE BOARD (cULus LISTED)	PROVIDE LED MATRIX DISPLAY SCOREBOARD INCLUDING ALL POWER REQUIREMENTS, BONDING AND STRUCTURAL SUPPORTS. THE SCOREBOARD SHALL HAVE FULL COLOR AND VIDEO CAPABILITIES WITH 16mm (YD516T128X192FO-2FM FULL COLOR MATRIX OUTDOOR DISPLAY WITH 89"x129" DIMENSIONS. COMPLETE SUBMITTAL REQUIRED. 'COLORADO TIME SYSTEM'
(6)			PROVIDE TWO (2) DEDICATED 20 AMP CIRCUIT TO BE TERMINATED INTO SCOREBOARD LOAD CENTER
(7)			MASTER ON/OFF SCOREBOARD SWITCH WITH PILOT LIGHT, W/ LOCKABLE ENCLOSURE.
(8)			SCOREBOARD DATA CONNECTION BOX CONNECT TO TIMING/WALL BOX LOCATION W/ 2" PVC CONDUIT.
	1	ID PANEL	NON-ILLUMINATED FACILITY IDENTIFICATION PANEL WITH ARTWORK.

PACE CLOCK/WATER POLO SHOT CLOCK/REACTION TIMER - WIRELESS

QTY	MODEL	DESCRIPTION
6	TIMER	MULTI-USE OUTDOOR TIMER WITH 7" INDOOR LED DIGITS. PACE CLOCK FUNCTIONS: MULTI-SPORT TIMING/SCORING CONSOLE CAPABLE OF DOWNLOADING WORKOUTS FROM HY-TEK WORKOUT MANAGER. UNIT CAPABLE OF OPERATING AS A STAND-ALONE PACE CLOCK. FUNCTIONS INCLUDE COUNT UP, WORKOUT PROGRAM, TIME OF DAY. WATER POLO SHOT CLOCK FUNCTIONS: OPERATES IN CONJUNCTION WITH MULTI-SPORT TIMING/ SCORING CONSOLE TO ACT AS A PORTABLE BATTERY-OPERATED WATER POLO SHOT CLOCK. CAN ALSO ACT AS STAND-ALONE SHOT CLOCK OPERATED BY SWITCHES ON THE SIDE OF THE UNIT. REACTION TIMER FUNCTIONS: OPTIMIZES START REACTION TIMES AND PERFECTS RELAY EXCHANGES WHEN USED IN CONJUNCTION WITH TOUCHPAD AND/OR RELAY JUDGING PLATFORM
6	RJP	RELAY JUDGING PLATFORM TO BE USED IN CONJUNCTION WITH MULTI-USE OUTDOOR TIMER

(1) **SWIMMING POOL UNDERWATER LIGHT / TIMING SYSTEM PLAN** 1" =20'-0"

BID SET

CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS
BUREAU OF ENGINEERING

LA DPW ENGINEERING TRANSFORMING LOS ANGELES

NO.	REVISIONS:	DATE:	BY:	APD
1	HEALTH DEPT CORRECTIONS	12.15.16		

BUILDING NO.

INDEX NO. RP 300094

LICENSED ARCHITECT — STEVEN J. FERRELL — C-28222 — REN. 08/31/17 — STATE OF CALIFORNIA

CITY ENGINEER

VERTICAL CONTROL:	
HORIZONTAL CONTROL:	
SHEET TITLE:	SWIMMING POOL UNDERWATER LIGHT/TIMING SYSTEM PLAN
PROJECT:	RANCHO CIENEGA SPORTS COMPLEX
ADDRESS:	5001 RODEO ROAD LOS ANGELES, CA 90016

GARY LEE MOORE, PE, ENV SP CITY ENGINEER
ARCHITECTURAL DIVISION LIC. NO. C-28222 DATE:

ARCHITECT: SCOTT FERRELL	
DESIGNED BY:	
DRAWN BY:	
CHECKED BY:	
APPROVED BY: MAHMOOD KARIMZADEH, A.I.A., PRINCIPAL ARCHITECT	

WORK ORDER NO. E1907694
PLAN FILE NO.
DRAWING NO. SP-3
SHEET OF SHEETS

PLOTTED: 12/13/2016 3:00 PM

REVISION DATES (DESIGN STAGE ONLY)

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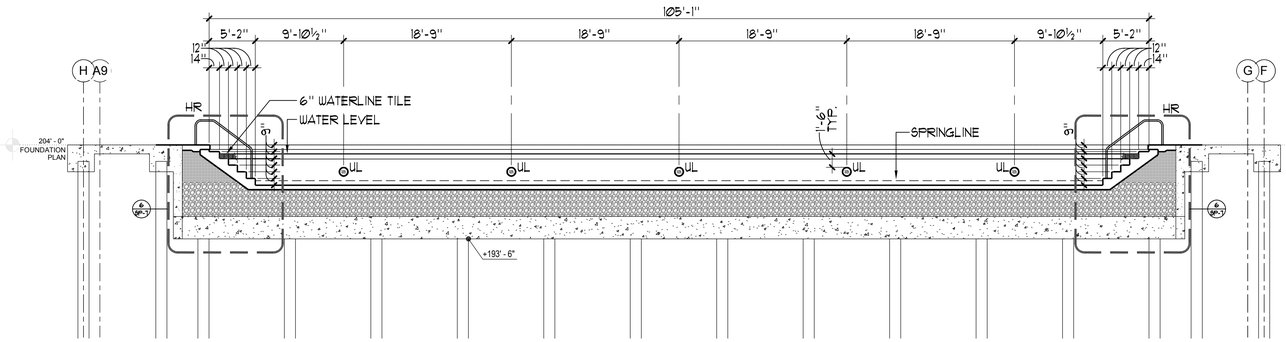
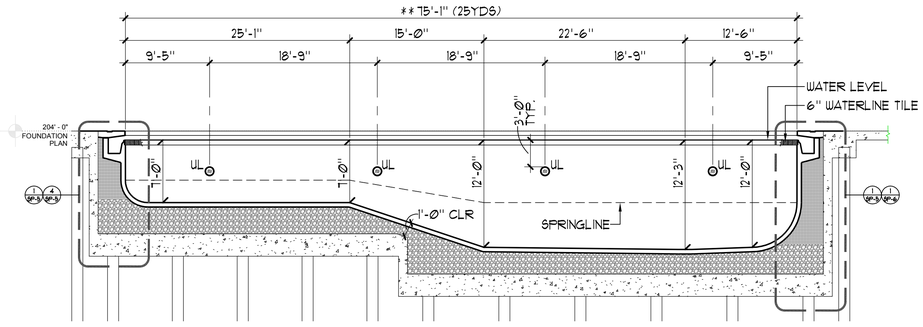


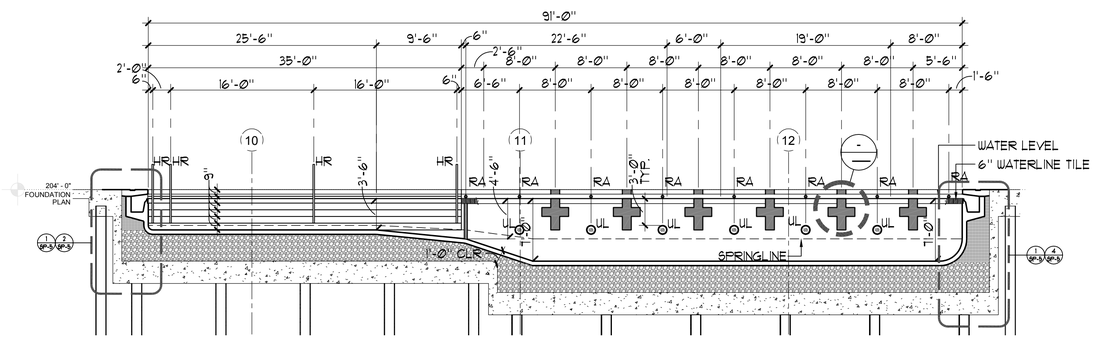
A SWIMMING POOL SECTION

⅛" = 1'-Ø"



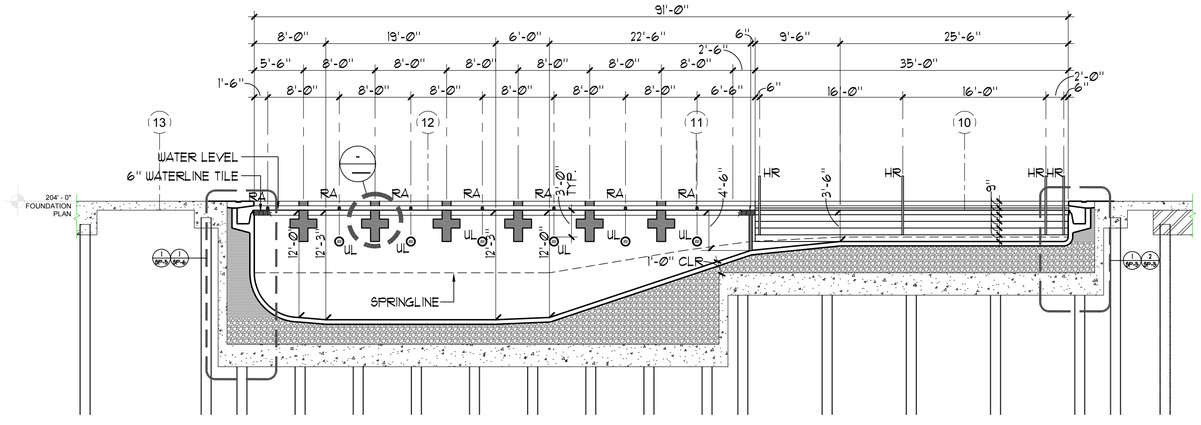
B SWIMMING POOL SECTION

⅛" = 1'-Ø"



C SWIMMING POOL SECTION

⅛" = 1'-Ø"



D SWIMMING POOL SECTION

⅛" = 1'-Ø"

NOTES:
SEE STRUCTURAL PLAN S-1Ø2 FOR CAVITY PLAN
SEE STRUCTURAL PLAN S-1Ø1 FOR CAVITY SECTIONS

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OFFICIAL RECORD

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NO.	REVISIONS:	DATE:	BY:
1	HEALTH DEPT CORRECTIONS	12.15.16	AGS

BUILDING NO.

INDEX NO. RP 300094

LICENSED ARCHITECT - FOREIGN - STATE OF CALIFORNIA
SIGNATURE
REN. 08/31/17
C-26222

CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS

GARY LEE MOORE, PE, ENV SP CITY ENGINEER
DATE:
ARCHITECTURAL DIVISION
ARCHITECT: SCOTT FERRELL LIC. NO. C-26222
DESIGNED BY:
DRAWN BY:
CHECKED BY:
APPROVED BY: MAHMOOD KARIMZADEH, A.I.A., PRINCIPAL ARCHITECT

BID SET

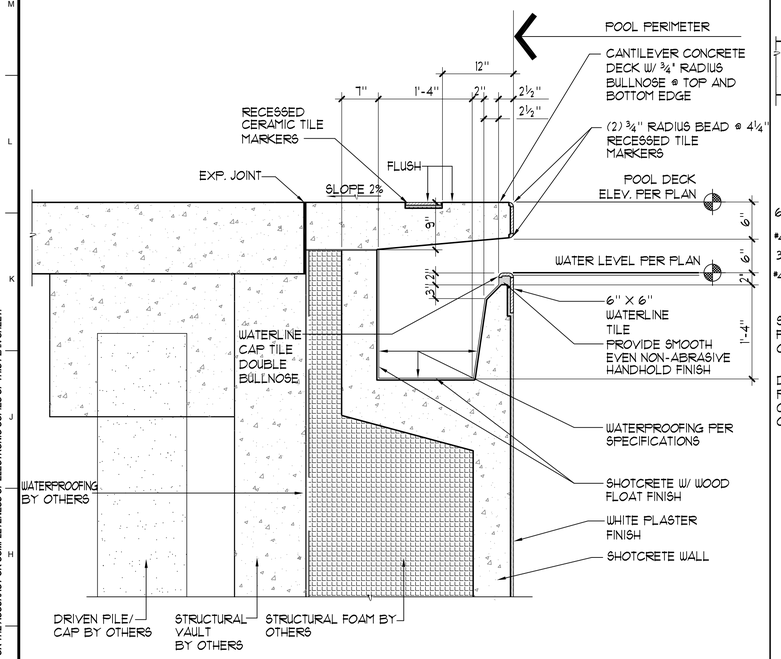
VERTICAL CONTROL:
HORIZONTAL CONTROL:

SHEET TITLE: SWIMMING POOL SECTIONS

PROJECT: RANCHO CIENEGA SPORTS COMPLEX
ADDRESS: 5001 RODEO ROAD
LOS ANGELES, CA 90016

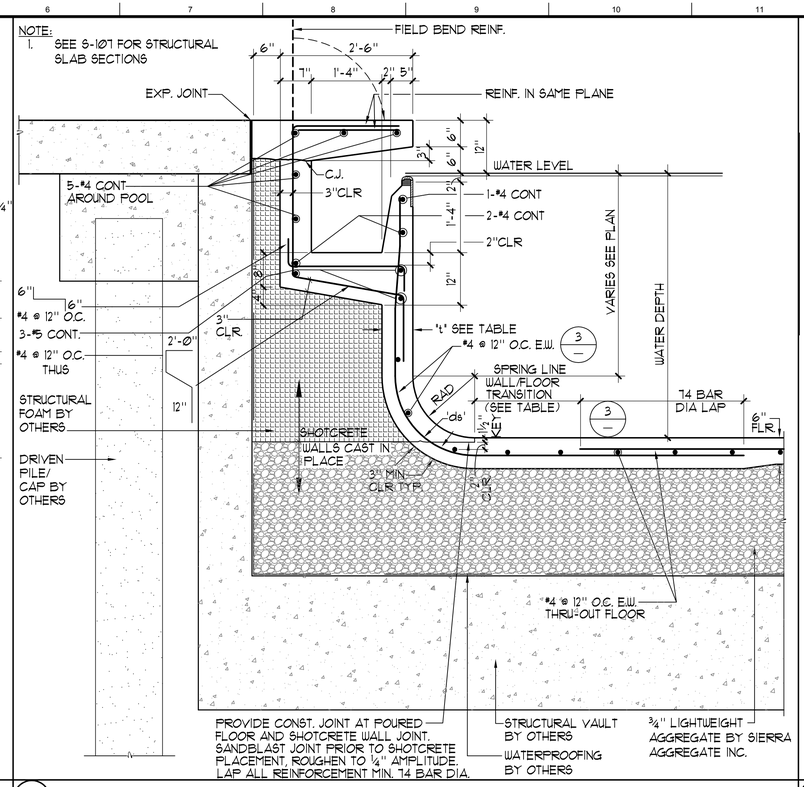
WORK ORDER NO. E1907694
PLAN FILE NO.
DRAWING NO. SP-4
SHEET OF SHEETS

PLOTTED: 12/13/2016 3:01 PM



1 TYPICAL GUTTER DETAIL

1"=1'-Ø"



2 POOL WALL 3'-6" TO 5'-0"

¾"=1'-Ø"

REINFORCEMENT TABLE

WATER DEPTH	't'	'ds'	RADIUS	VERTICAL REINF.	HORIZONTAL REINF.	TRANSITION TO FLOOR REINF. BEYOND END RADIUS
3'-6" TO 5'-Ø"	6"	3"	6" TO 18"	#4 @ 12" O.C.	#4 @ 12" O.C.	24"
5'-1" TO 7'-Ø"	8"	5"	18" TO 2'-6"	#4 @ 8" O.C.	#4 @ 8" O.C.	24"
7'-1" TO 10'-Ø"	9"	6"	2'-6" TO 5'-Ø"	#5 @ 6" O.C.	#4 @ 8" O.C.	24"
10'-1" TO 12'-3"	11"	8"	5'-Ø" TO 6'-Ø"	#5 @ 4" O.C.	#4 @ 6" O.C.	24"

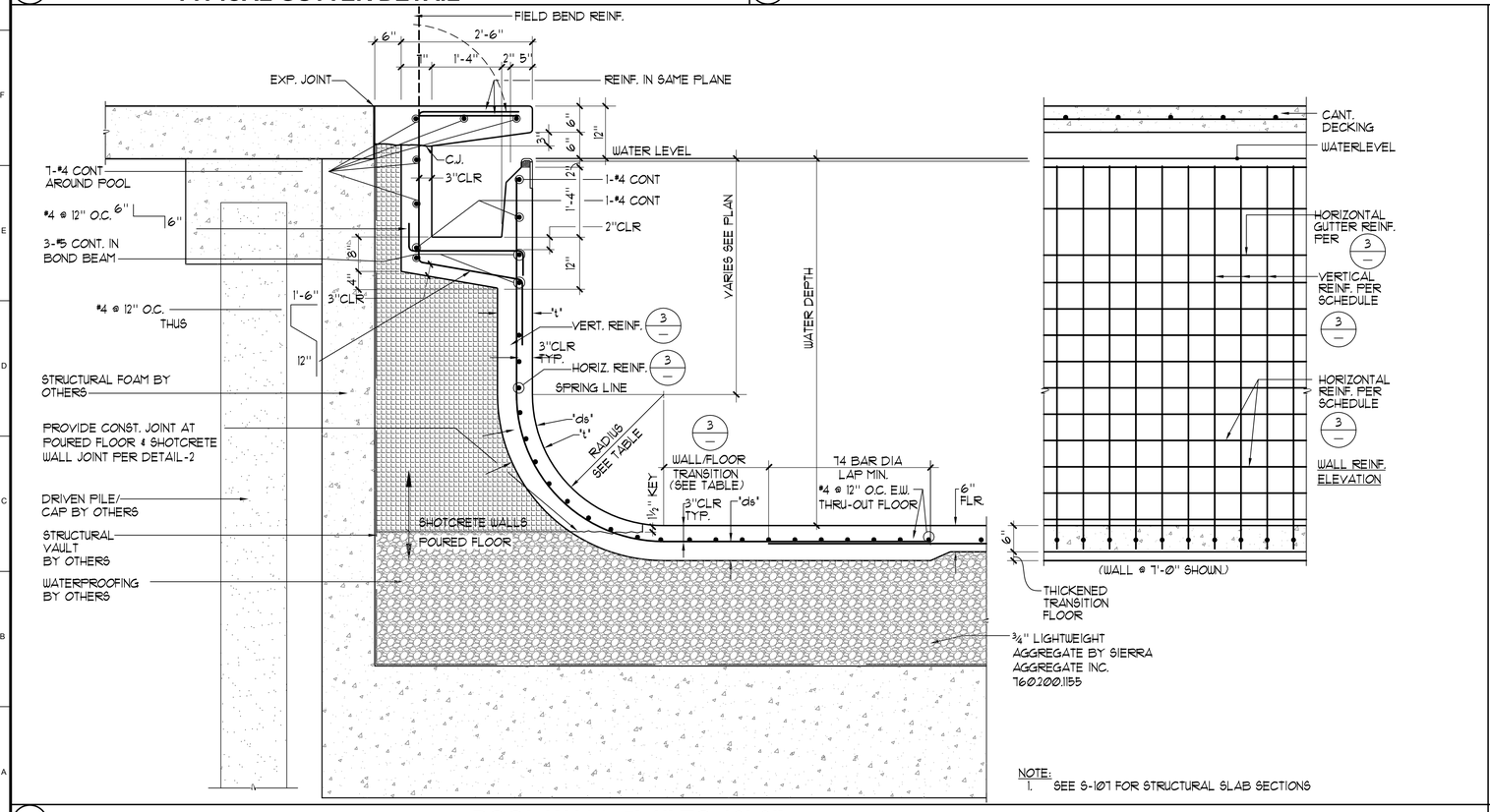
CONCRETE NOTES:

1. THE MINIMUM ULTIMATE COMPRESSIVE STRENGTH AT 28 DAYS
   POOL = 3000 PSI
   SLAB-ON-GRADE = 3000 PSI
2. CONTINUOUS INSPECTION BY AN APPROVED INSPECTOR IS REQUIRED OF ALL CONCRETE PLACEMENT.
3. ALL CEMENT USED SHALL CONFORM TO A.S.T.M. C-150 TYPE II.
4. FINE AND COARSE AGGREGATE SHALL CONFORM TO A.S.T.M. C-33. MAXIMUM SIZE OF AGGREGATE TO BE 1".
5. CONCRETE MIX DESIGNS SHALL BE BASED UPON CBC SECTION 1904A2.
6. CONCRETE SHALL BE TESTED AND INSPECTED PER SECTION CBC 1705A.3 AND 1913A.1.
7. REMOVAL OF FORMS SHALL COMPLY WITH ACI 318-11 SECTION 6.2.
8. ALL REINFORCING SHALL BE ASTM A-615, GRADE 60, UNLESS OTHERWISE NOTED. LAPS SHALL BE 74 BAR DIA.

SHOTCRETE NOTES:

1. THE MINIMUM ULTIMATE COMPRESSIVE STRENGTH AT 28 DAYS POOL WALLS = 3000 PSI.
2. CONTINUOUS INSPECTION BY AN APPROVED INSPECTOR IS REQUIRED OF ALL SHOTCRETE PLACEMENT.
3. ALL CEMENT USED SHALL CONFORM TO A.S.T.M. C-150 TYPE II.
4. FINE AND COARSE AGGREGATE SHALL CONFORM TO A.S.T.M. C-33. MAXIMUM SIZE OF AGGREGATE TO BE ⅜".
5. SHOTCRETE MIX DESIGNS SHALL BE PER CBC SECTION 1910A.2.
6. SHOTCRETE SHALL BE TESTED AND INSPECTED PER SECTIONS 1705A.3 AND 1913A.5.
7. ANCHOR BOLTS, ANCHORS, DOWELS, INSERTS, ETC. SHALL BE SECURELY TIED IN PLACE PRIOR TO PLACING OF SHOTCRETE.
8. ALL REINFORCEMENT WITHIN SHOTCRETE SHALL MAINTAIN MINIMUM 2" CLEAR NON-CONTACT SPLICES.
9. THE FILM OF LAITANCE WHICH FORMS ON THE SURFACE OF THE SHOTCRETE SHALL BE REMOVED WITHIN APPROXIMATELY TWO HOURS AFTER APPLICATION BY BRUSHING WITH A STIFF BROOM. IF THIS IS NOT REMOVED WITHIN TWO HOURS, IT SHALL BE REMOVED BY THOROUGH WIRE BRUSHING OR SAND BLASTING. CONSTRUCTION JOINTS OVER EIGHT HOURS OLD SHALL BE THOROUGHLY CLEANED WITH AIR AND WATER PRIOR TO RECEIVING SHOTCRETE.
10. ALL REINFORCING SHALL BE ASTM A-615, GRADE 60, UNLESS OTHERWISE NOTED. LAPS SHALL BE 74 BAR DIA.

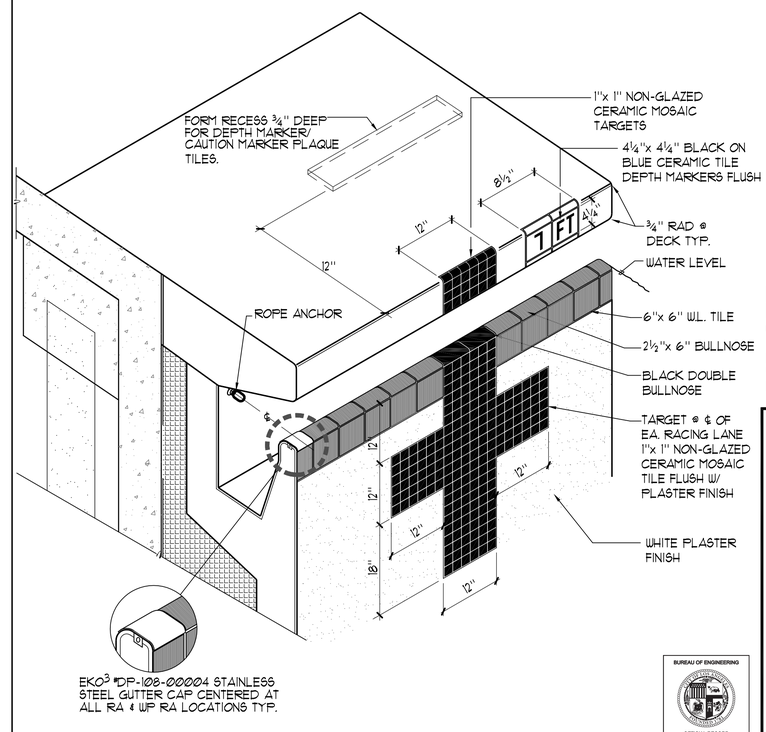
3 REINFORCEMENT TABLE



NOTE:
1. SEE S-1Ø1 FOR STRUCTURAL SLAB SECTIONS

4 POOL WALL 5'-1" TO 10'-0"

¾"=1'-Ø"



5 DEEP GUTTER PERSPECTIVE

NO SCALE

BUREAU OF ENGINEERING

LA DPW ENGINEERING TRANSFORMING LOS ANGELES

NO.	REVISIONS:	DATE:	BY:

BUILDING NO.

INDEX NO. RP 300094

LICENSED ARCHITECT SCOTT J. FERRELL C-28222 REN. 12/31/17 STATE OF CALIFORNIA

CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS

GARY LEE MOORE, PE, ENV SP CITY ENGINEER

ARCHITECTURAL DIVISION

ARCHITECT: SCOTT FERRELL LIC. NO. C-28222

DESIGNED BY:

DRAWN BY:

CHECKED BY:

APPROVED BY: MAHMOOD KARIMZADEH, A.I.A., PRINCIPAL ARCHITECT

DATE:

BID SET

VERTICAL CONTROL:

HORIZONTAL CONTROL:

SHEET TITLE: DETAILS

PROJECT: RANCHO CIENEGA SPORTS COMPLEX

ADDRESS: 5001 RODEO ROAD LOS ANGELES, CA 90016

WORK ORDER NO. E1907694

PLAN FILE NO.

DRAWING NO. SP-5

SHEET OF SHEETS

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REVISION DATES (DESIGN STAGE ONLY)

TEMPLATE SHEET REVISION DATE: 08/2014

REVISION DATE: 10/25/2016 5:17 PM

FILE: Z:\DRAWINGS\RECREATION N-Z\RANCHO CIENEGA\RC-SP5.DWG

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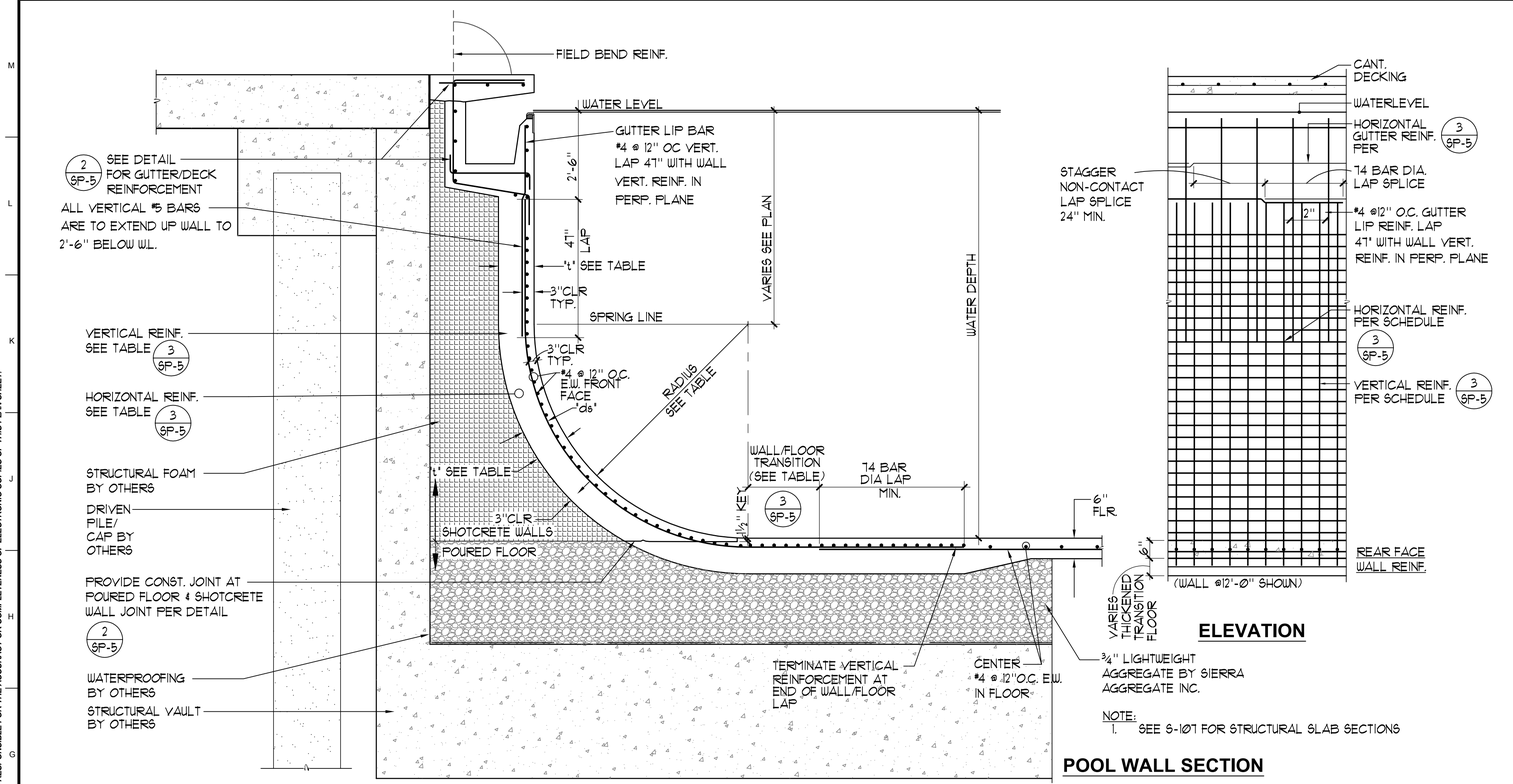


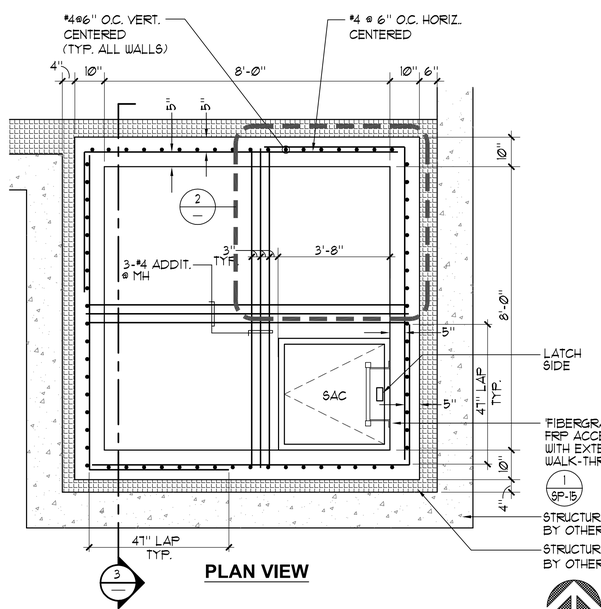
1 POOL WALL 10'-1" TO 12'-3"

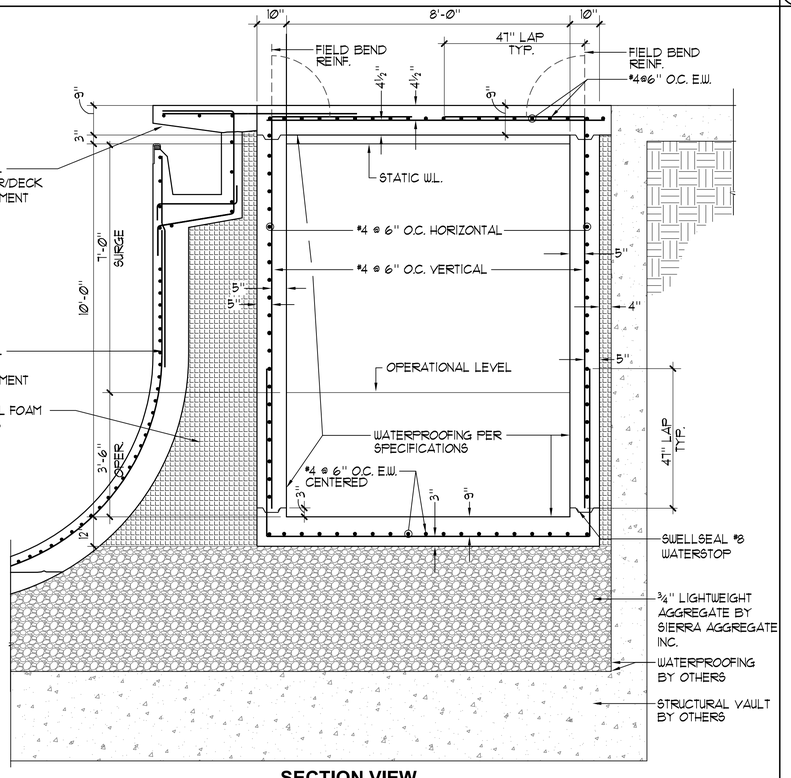
½"=1'-0"

NOTE:
1. OMIT BOTTOM KEYWAYS AND ALL WATERSTOPS AND PROVIDE WOOD FLOAT FINISH IF SHOTCRETE CONSTRUCTION IS USED
2. SEE S-107 FOR STRUCTURAL SLAB SECTIONS

LEGEND

O.C. = ON CENTER
E.W. = EACH WAY





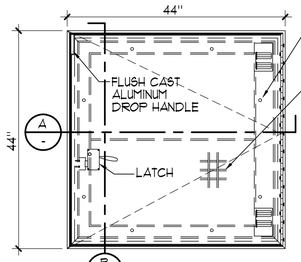
NORTH

3 SURGE CHAMBER

½"=1'-0"

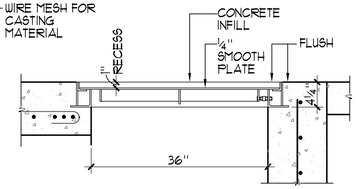
2 SURGE CHAMBER ACCESS COVER

1"=1'-0"



PROVIDE A MINIMUM OF TWO (2) ½" DIA. WEEP HOLES AT EACH OF THE 4 (FOUR) SIDES OF THE DRIP CHANNEL.

WIRE MESH FOR CASTING MATERIAL

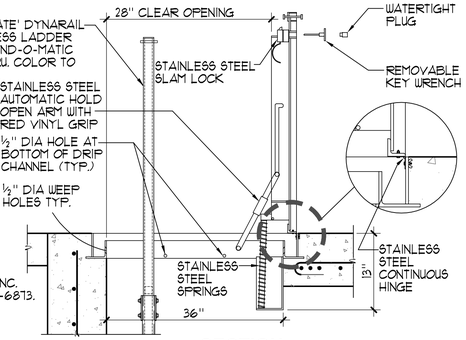


B CROSS-SECTION @ MANHOLE

1/SP-15 FIBERGRATE' DYNARAIL FRP ACCESS LADDER WITH EXTEND-O-MATIC WALK-THRU. COLOR TO BE GRAY.

NOTE:
1. MATERIAL: ALUMINUM WITH STAINLESS STEEL BOLTS, NUTS, SPRINGS, SLAM LOCK, HINGES & HOLD OPEN ARM.
2. LOADING: 300 LBS. PER SQ. FOOT.
3. BITUMINOUS COATING IS APPLIED TO AREA OF FRAME IN CONTACT WITH CONCRETE.
4. HINGES TO BE LOCATED OPPOSITE LADDER RUNGS.

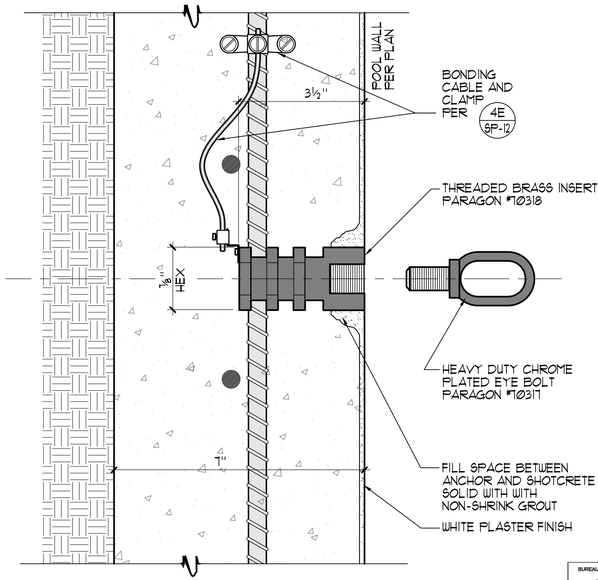
MANHOLE SHALL BE U.S.F. FABRICATION INC. #R-TPS-300-36x36 ALUMINUM. 1(800)258-6873.



A SECTION

4 ROPE ANCHOR

6"=1'-0"



BID SET

BUREAU OF ENGINEERING OFFICIAL RECORD

CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS BUREAU OF ENGINEERING

GARY LEE MOORE, PE, ENV SP CITY ENGINEER
ARCHITECTURAL DIVISION LIC. NO. C-26222
ARCHITECT: SCOTT FERRELL
DESIGNED BY:
DRAWN BY:
CHECKED BY:
APPROVED BY: MAHMOOD KARIMZADEH, A.I.A., PRINCIPAL ARCHITECT
DATE:

NO. REVISIONS: BY: DATE:

BUILDING NO.

INDEX NO. RP 300094

LICENSED ARCHITECT SCOTT FERRELL C-26222 REG. EXPIRES 08/31/2017 STATE OF CALIFORNIA

VERTICAL CONTROL:
HORIZONTAL CONTROL:

SHEET TITLE: DETAILS

PROJECT: RANCHO CIENEGA SPORTS COMPLEX

ADDRESS: 5001 RODEO ROAD LOS ANGELES, CA 90016

WORK ORDER NO. E1907694

PLAN FILE NO.

DRAWING NO. SP-6

SHEET OF SHEETS

PLOTTED: 12/13/2016 3:01 PM

REVISION DATES: (DESIGN STAGE ONLY)

TEMPLATE SHEET REVISION DATE: 08/2014
REVISION DATE: 11/30/2016 8:04 AM FILE: Z:\DRAWINGS\RECREATION N-Z\RANCHO CIENEGA\RC-SP6.DWG

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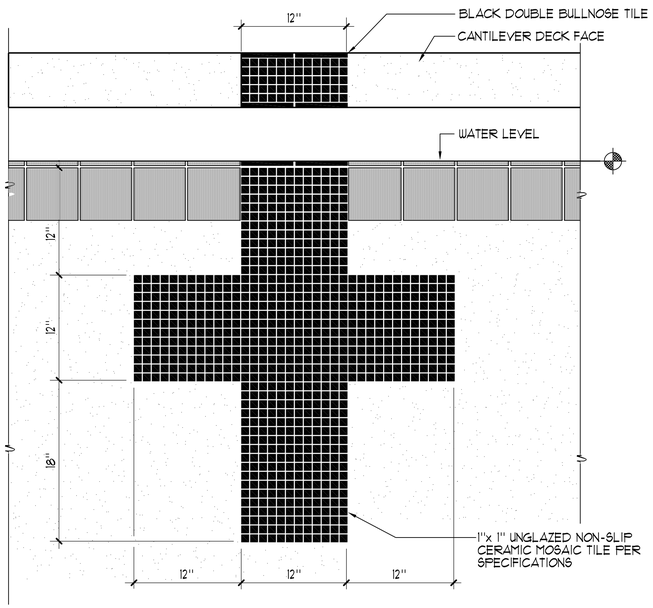
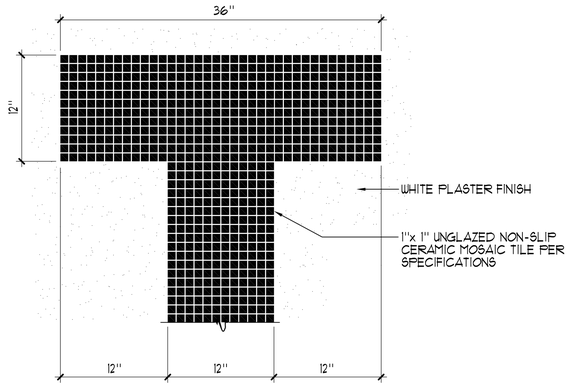


1 END WALL TARGET

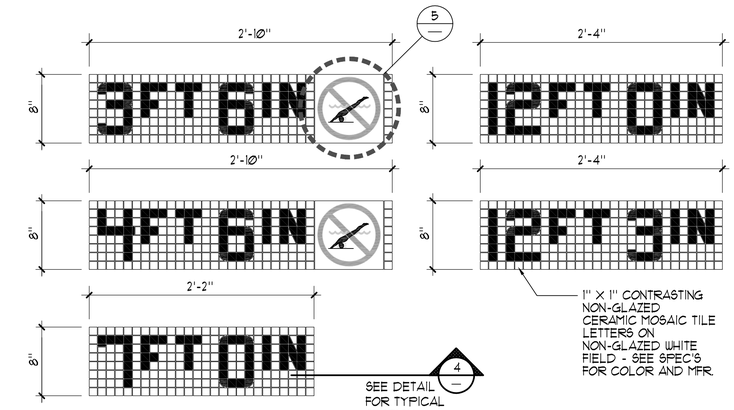
1½" = 1'-Ø"



PLAN VIEW

2 RACING LANE LINE

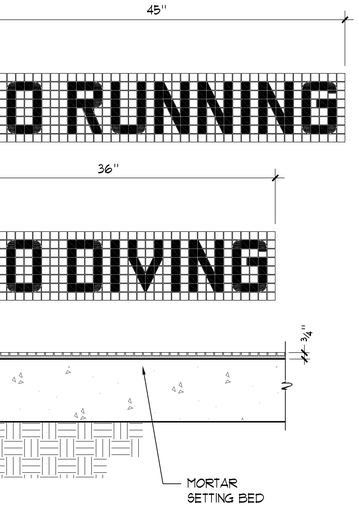
1½"=1'-Ø"



PROVIDE DEPTH MARKERS ON DECK AND FRONT CANTILEVER DECK FACE (PER DET. 5 SP-5) AT ALL DEPTH MARKER LOCATIONS

3 DEPTH MARKERS

1½" = 1'-Ø"

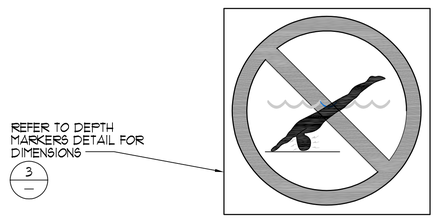


MARKERS

SECTION THROUGH TILE

4 "NO RUNNING" / "NO DIVING" MARKERS

1½" = 1'-Ø"



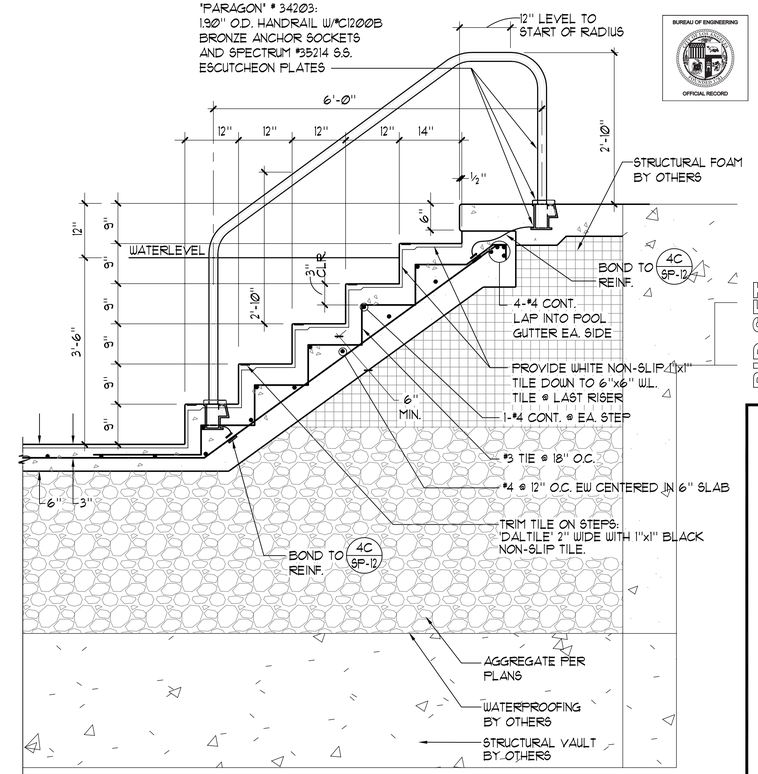
NOTE: PLACE IN DECK AT ALL DEPTH MARKER LOCATION OF 6'-Ø" OR LESS.

SILK SCREEN

1. INLAYS DOUBLE GLAZED WHITE SLIP RESISTANT TILE TYP. OF (1) PIECE OVER ¼" MORTAR BED WITH ⅛" GROUT JOINTS. SEE PLAN FOR LOCATION.
2. 1" WIDE RED CIRCLE WITH 1" WIDE RED DIAGONAL LINE.
3. ⅛" BLUE WATER.
4. ⅛" RED TICKS ABOUT THE HEAD.
5. TAN COLOR BODY WITH BLACK OUTLINE, HAIR AND TRUNKS.
6. ⅛" BLACK POOL FLOOR.

5 INTERNATIONAL "NO DIVING" MARKER

3"=1'-Ø"



6 HANDRAIL DETAIL

¾"=1'-Ø"

BUREAU OF ENGINEERING
OFFICIAL RECORD

BUREAU OF ENGINEERING

LA DPW ENGINEERING TRANSFORMING LOS ANGELES

NO.	REVISIONS:	DATE:	BY:
	HEALTH DEPT CORRECTIONS	12.15.16	AGS

BUILDING NO.

INDEX NO. RP 300094

LICENSED ARCHITECT JAMES J. FORREST No. C-28222 REN. 08/31/17 STATE OF CALIFORNIA

CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS

GARY LEE MOORE, PE, ENV SP CITY ENGINEER
ARCHITECTURAL DIVISION LIC. NO. C-28222
ARCHITECT: SCOTT FERRELL DATE:
DESIGNED BY:
DRAWN BY:
CHECKED BY:
APPROVED BY: MAHMOOD KARIMZADEH, A.I.A., PRINCIPAL ARCHITECT

BID SET

VERTICAL CONTROL:
HORIZONTAL CONTROL:

SHEET TITLE: DETAILS

PROJECT: RANCHO CIENEGA SPORTS COMPLEX

ADDRESS: 5001 RODEO ROAD LOS ANGELES, CA 90016

WORK ORDER NO. E1907694

PLAN FILE NO.

DRAWING NO. SP-7

SHEET OF SHEETS

PLOTTED: 12/13/2016 3:01 PM

REVISION DATES (DESIGN STAGE ONLY)

TEMPLATE SHEET REVISION DATE: 082014
REVISION DATE: 11/30/2016 8:05 AM FILE: Z:\DRAWINGS\RECREATION N-Z\RANCHO CIENEGA\RC-SP7.DWG

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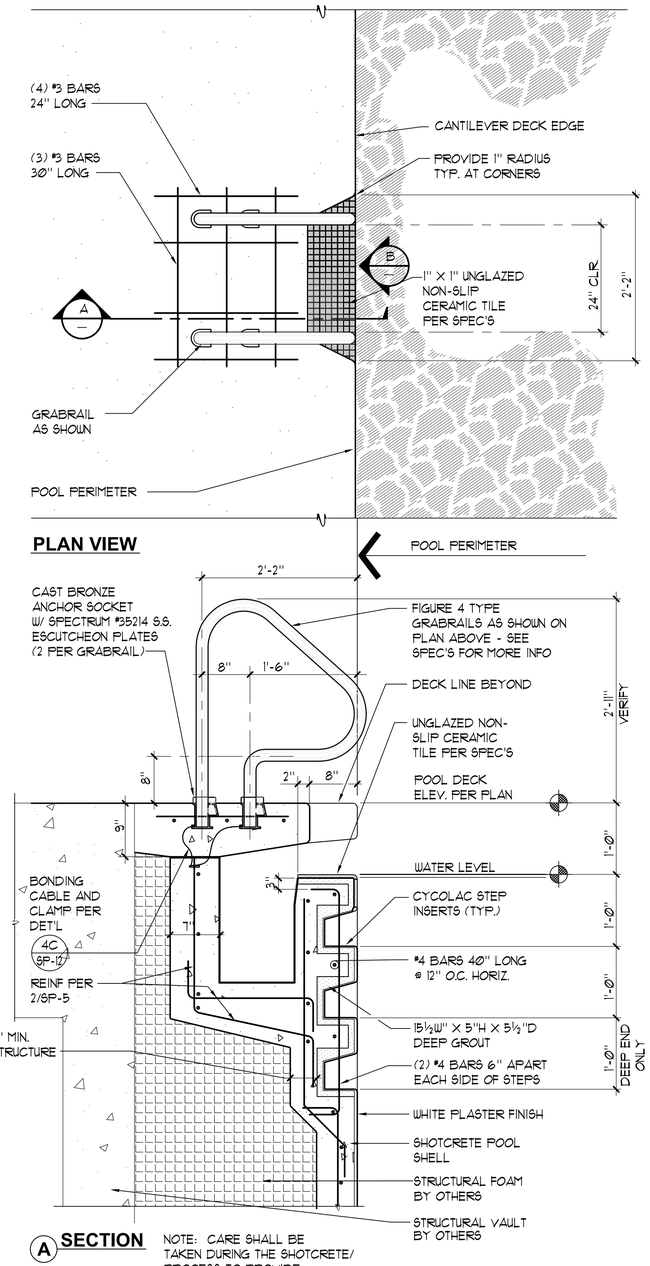

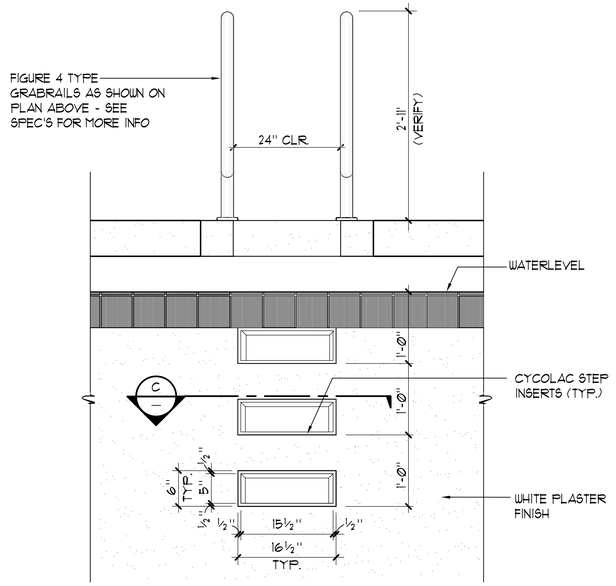

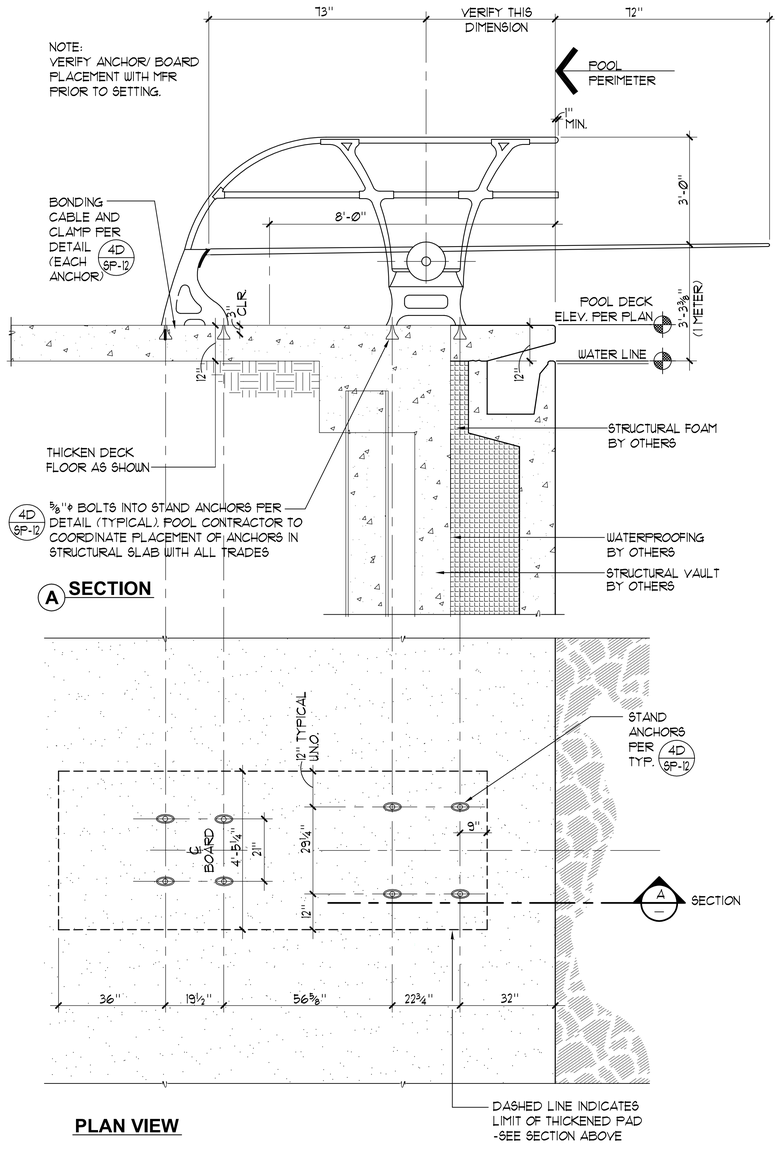

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REVISION DATES: (DESIGN STAGE ONLY)

TEMPLATE SHEET REVISION DATE: 08/2014
REVISION DATE: 10/25/2016 4:52 PM FILE: Z:\DRAWINGS\RECREATION N-Z\RANCHO CIENEGA\ARC-SP8.DWG

1 GRABRAIL WITH STEPS 1"=1'-Ø"

2 1 METER DIVE STAND ½"=1'-Ø"

BUREAU OF ENGINEERING

LA DPW ENGINEERING TRANSFORMING LOS ANGELES

NO.	REVISIONS:	DATE:	BY:

BUILDING NO.

INDEX NO. RP 300094

LICENSED ARCHITECT FOR USE IN STATE OF CALIFORNIA REN. 08/31/17 C-26222

CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS

BID SET

GARY LEE MOORE, PE, ENV SP CITY ENGINEER DATE:

ARCHITECTURAL DIVISION LIC. NO. C-26222

ARCHITECT: SCOTT FERRELL
DESIGNED BY:
DRAWN BY:
CHECKED BY:
APPROVED BY: MAHMOOD KARIMZADEH, A.I.A., PRINCIPAL ARCHITECT

VERTICAL CONTROL:
HORIZONTAL CONTROL:

SHEET TITLE: DETAILS

PROJECT: RANCHO CIENEGA SPORTS COMPLEX

ADDRESS: 5001 RODEO ROAD LOS ANGELES, CA 90016

BUREAU OF ENGINEERING OFFICIAL RECORD

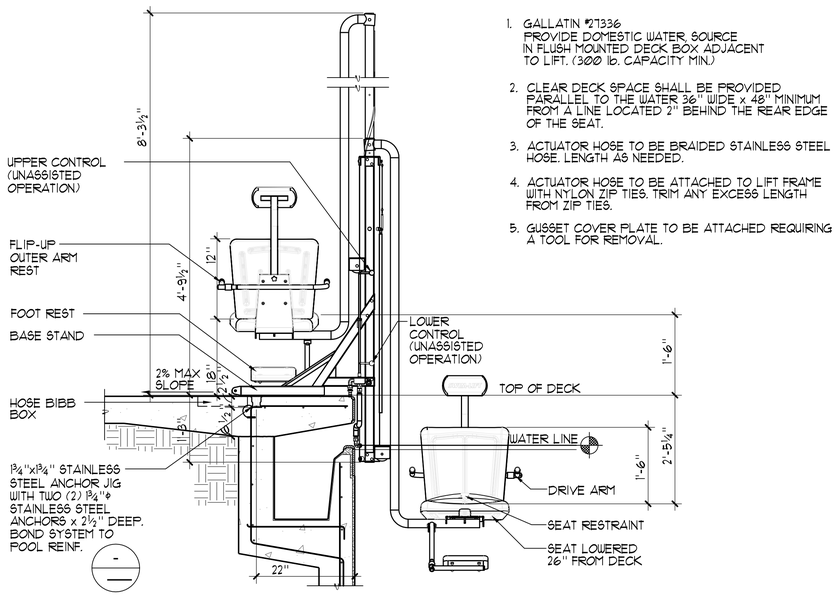
WORK ORDER NO. E1907694

PLAN FILE NO.

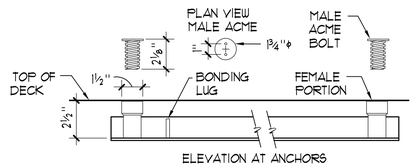
DRAWING NO. SP-8

SHEET OF SHEETS

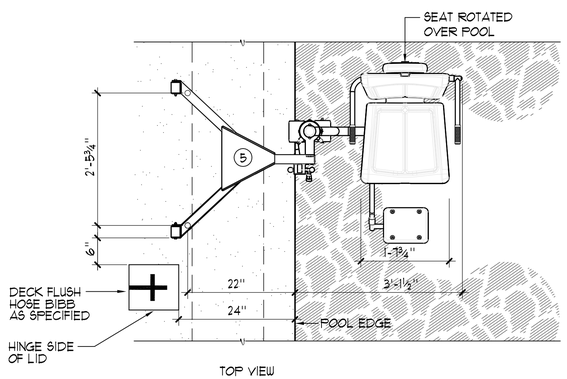
PLOTTED: 12/13/2016 3:01 PM



1. GALLATIN #27336
   PROVIDE DOMESTIC WATER SOURCE IN FLUSH MOUNTED DECK BOX ADJACENT TO LIFT. (300 lb. CAPACITY MIN.)
2. CLEAR DECK SPACE SHALL BE PROVIDED PARALLEL TO THE WATER 36" WIDE x 48" MINIMUM FROM A LINE LOCATED 2" BEHIND THE REAR EDGE OF THE SEAT.
3. ACTUATOR HOSE TO BE BRAIDED STAINLESS STEEL HOSE. LENGTH AS NEEDED.
4. ACTUATOR HOSE TO BE ATTACHED TO LIFT FRAME WITH NYLON ZIP TIES. TRIM ANY EXCESS LENGTH FROM ZIP TIES.
5. GUSSET COVER PLATE TO BE ATTACHED REQUIRING A TOOL FOR REMOVAL.



ELEVATION AT ANCHORS

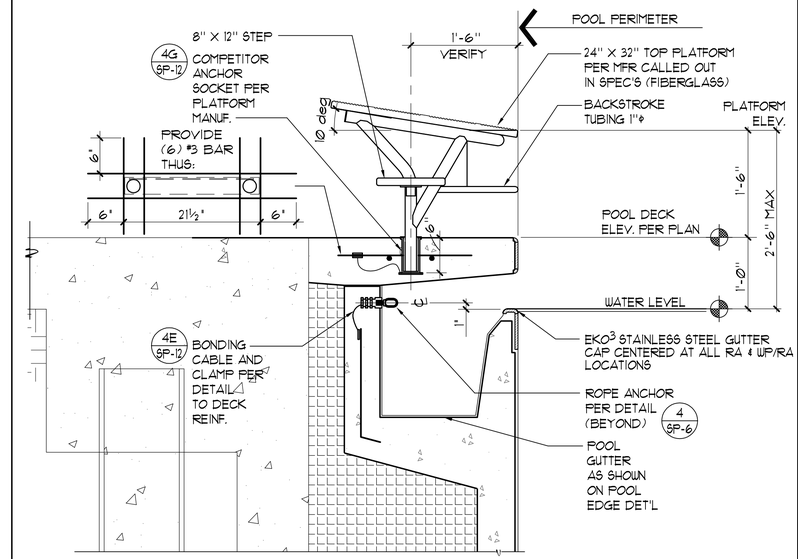


TOP VIEW

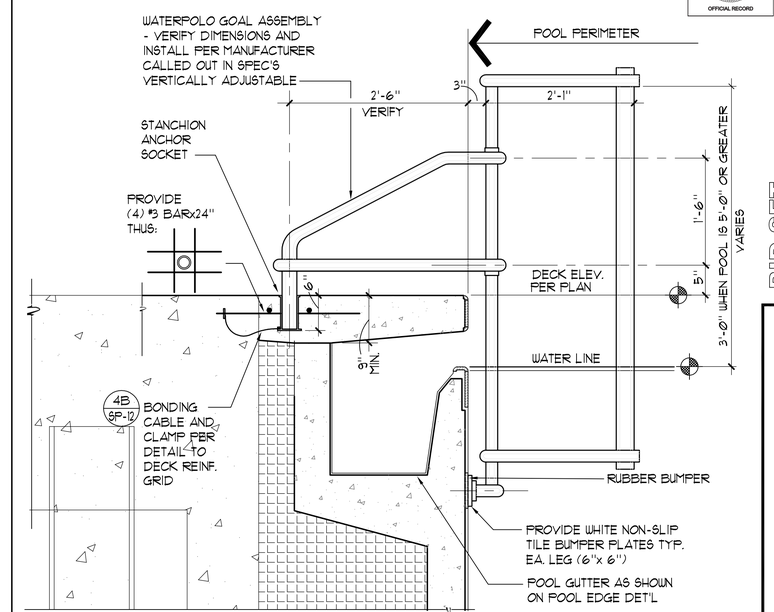
NOTES:

1. 'SPECTRUM' GALLATIN (400 lb. LIVE LOAD CAPACITY MIN.)
2. GUSSET COVER PLATE TO BE ATTACHED REQUIRING A TOOL FOR REMOVAL.
3. CONTRACTOR SHALL PROVIDE COVER FOR LIFT 'SPECTRUM' #25186
4. POOL LIFT SHALL BE LOCATED WHERE THE WATER LEVEL IS AT LEAST 36" AND DOES NOT EXCEED 48" DEEP , UNLESS ENTIRE POOL IS GREATER THAT 48" DEEP. (SECTION 11B-1009.2.1)
5. ON THE RAISED POSITION, THE CENTERLINE OF THE SEAT SHALL BE LOCATED OVER THE DECK AND 16" MINIMUM FROM THE EDGE OF THE POOL. THE DECK SURFACE BETWEEN THE CENTERLINE OF THE SEAT AND THE POOL EDGE SHALL HAVE A 2% MAX. SLOPE. (CBC SECTION 11B-1009.2.2)
6. CLEAR DECK SPACE SHALL BE PROVIDED ON SIDE OF SEAT OPPOSITE THE WATER PARALLEL TO THE WATER 36" WIDE x 48" MINIMUM FROM A LINE LOCATED 12" BEHIND THE REAR EDGE OF THE SEAT. THE CLEAR SPACE SHALL HAVE A 2% MAX. SLOPE. (CBC SECTION 11B-1009.2.3)
7. THE HEIGHT OF THE LIFT SEAT SHALL BE DESIGNED TO ALLOW A STOP AT 17" MIN. TO 19" MAX. MEASURED FROM THE DECK TO THE TOP OF THE SEAT SURFACE WHEN IN THE RAISED POSITION. (CBC SECTION 11B-1009.2.4)
8. THE SEAT SHALL BE RIGID AND 17" MIN. TO 19" MAX. WIDE. THE LIFT SEAT SHALL HAVE A BACK SUPPORT 12" MIN. TALL. (CBC SECTION 11B-1009.2.4)
9. FOOTRESTS SHALL BE PROVIDED, EXCEPT FOR SPA LIFTS, AND SHALL MOVE WITH THE SEAT. LIFT SHALL HAVE TWO ARMRESTS. THE ARMREST POSITIONED OPPOSITE THE WATER SHALL BE REMOVABLE OR SHALL FOLD CLEAR OF THE SEAT WHEN THE SEAT IS IN THE RAISED POSITION. (CBC SECTION 11B-1009.2.6)
10. THE LIFT SHALL BE CAPABLE OF UNASSISTED OPERATION FROM BOTH THE DECK AND WATER LEVELS. CONTROLS AND OPERATING MECHANISMS SHALL BE OPERABLE WITH ONE HAND AND SHALL BE UNOBSTRUCTED WHEN THE LIFT IS IN USE. (CBC SECTION 11B-309.4) LIFT MUST BE STABLE AND NOT PERMIT UNINTENDED MOVEMENT WHEN A PERSON IS GETTING INTO OR OUT OF THE SEAT. (CBC SECTION 11B-1009.2.7)
11. THE LIFT SHALL BE DESIGNED SO THAT THE SEAT OPERATOR WILL SUBMERGE TO A WATER DEPTH OF 18" MIN. BELOW THE STATIONARY WATER LEVEL. (CBC SECTION 11B-1009.2.8)
12. LIFT SEAT MUST HAVE AN OCCUPANT RESTRAINT FOR USE BY THE OCCUPANT OF THE SEAT AND THE RESTRAINT MUST MEET THE STANDARDS FOR OPERABLE CONTROLS IN COMPLIANCE WITH CBC SECTION 11B-1009.2.4 AND SECTION 11B-309.

1 **ACCESSIBLE LIFT** ¾"=1'-0"



2 **RACING PLATFORM** 1"=1'-0"



3 **WATERPOLO GOAL** 1"=1'-0"

BUREAU OF ENGINEERING
OFFICIAL RECORD

LA DPW ENGINEERING TRANSFORMING LOS ANGELES

BUREAU OF ENGINEERING

NO.	REVISIONS:	DATE:	BY:

BUILDING NO.

INDEX NO. RP 300094

LICENSED ARCHITECT JOSEPH T. FERRELL C-28222 REN. 08/31/17 STATE OF CALIFORNIA

CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS

GARY LEE MOORE, PE, ENV SP CITY ENGINEER
ARCHITECTURAL DIVISION
ARCHITECT: SCOTT FERRELL LIC. NO. C-28222 DATE:
DESIGNED BY:
DRAWN BY:
CHECKED BY:
APPROVED BY: MAHMOOD KARIMZADEH, A.I.A., PRINCIPAL ARCHITECT

BID SET

VERTICAL CONTROL:
HORIZONTAL CONTROL:

SHEET TITLE: DETAILS

PROJECT: RANCHO CIENEGA SPORTS COMPLEX

ADDRESS: 5001 RODEO ROAD
LOS ANGELES, CA 90016

WORK ORDER NO. E1907694

PLAN FILE NO.

DRAWING NO. SP-9

SHEET OF SHEETS

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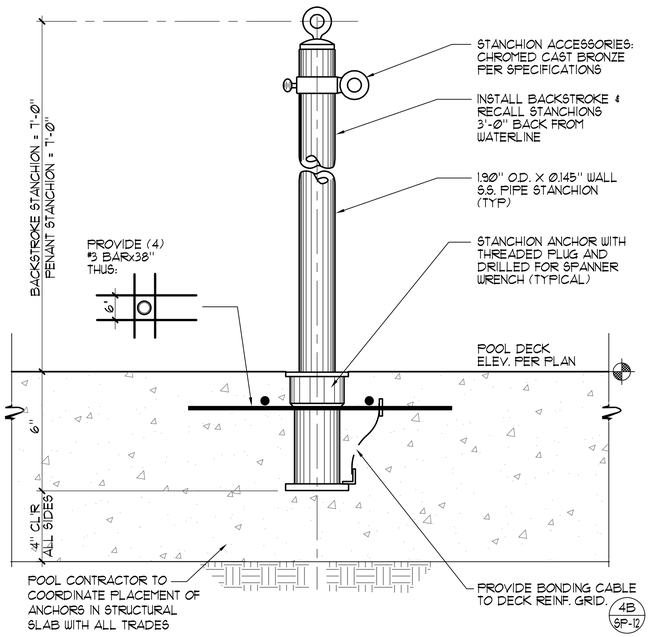
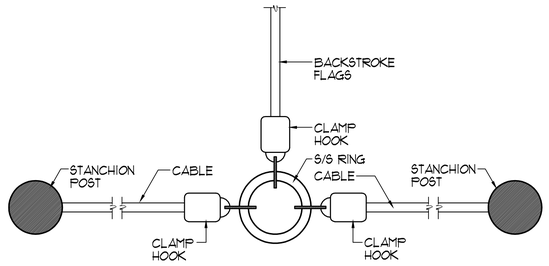
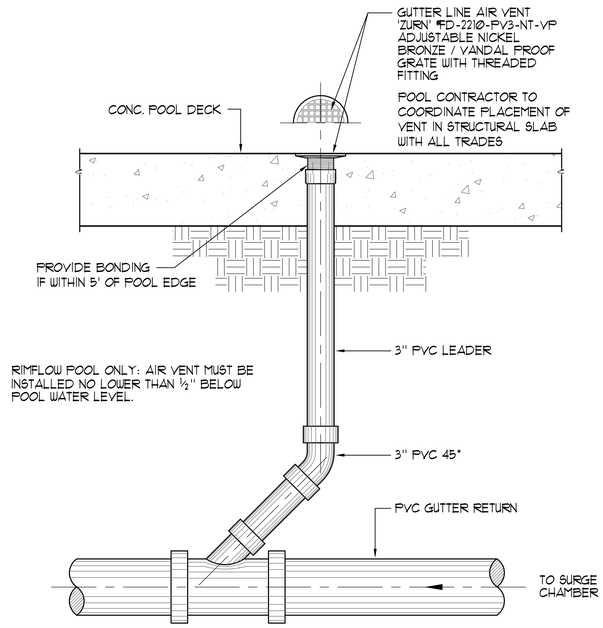


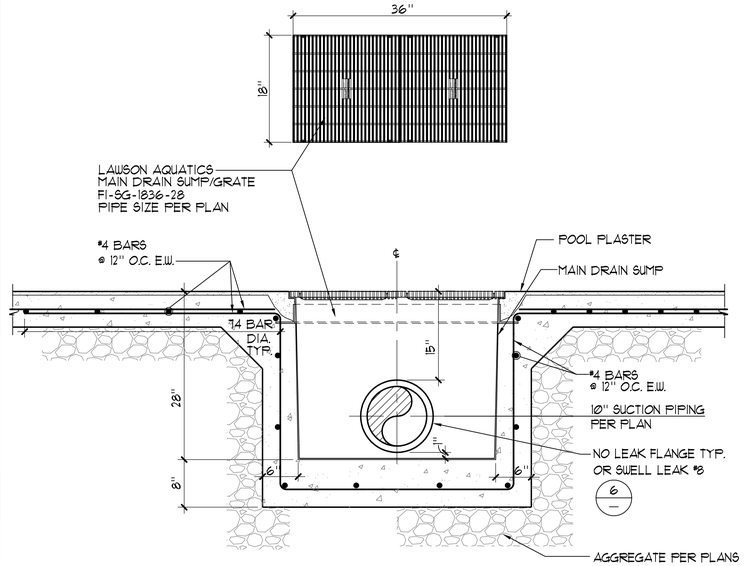
1 **STANCHION POST/ANCHOR** 3"=1'-Ø"



2 **BACKSTROKE FLAG CABLE CLAMP** 3"=1'-Ø"

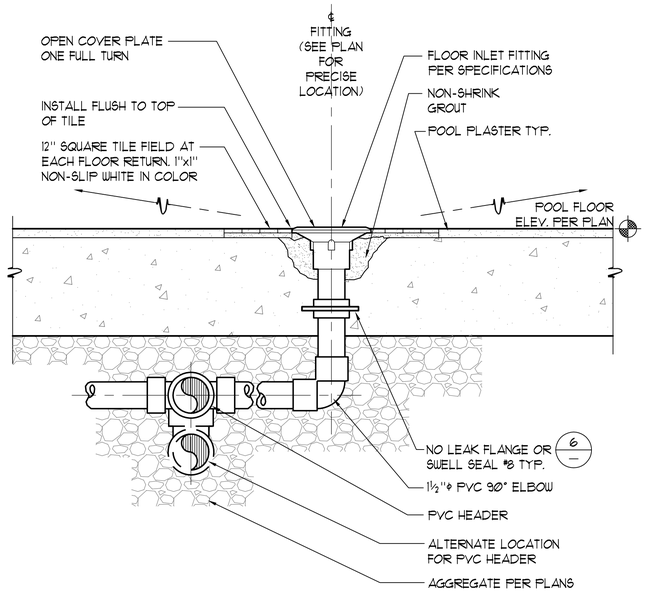


3 **AIR VENT** 1"=1'-Ø"

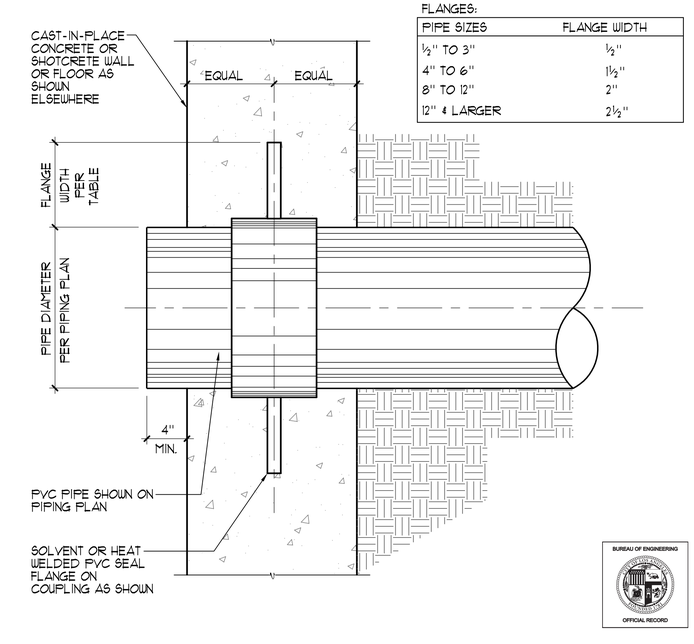


NOTE:
CONTRACTOR SHALL PROVIDE ALL REQUIRED CERTIFICATIONS FOR V.G.B.A., ABI@20 (CALIFORNIA ONLY) OR ANY STATE CERTIFICATIONS.

4 **MAIN DRAIN** 1"=1'-Ø"



5 **FLOOR INLET** 3"=1'-Ø"



6 **WATER STOP DETAIL** NO SCALE

BUREAU OF ENGINEERING

LA DPW ENGINEERING TRANSFORMING LOS ANGELES

NO.	REVISIONS:	DATE:	BY:

BUILDING NO.

INDEX NO. RP 300094

LICENSED ARCHITECT GARY J. FERRELL RENEWAL 12/31/17 C-28222 STATE OF CALIFORNIA

BID SET

DEPARTMENT OF PUBLIC WORKS

CITY OF LOS ANGELES

GARY LEE MOORE, PE, ENV SP CITY ENGINEER

ARCHITECT: SCOTT FERRELL LIC. NO. C-28222 ARCHITECTURAL DIVISION

DESIGNED BY:

DRAWN BY:

CHECKED BY:

APPROVED BY: MAHMOOD KARIMZADEH, A.I.A., PRINCIPAL ARCHITECT

DATE:

VERTICAL CONTROL:

HORIZONTAL CONTROL:

SHEET TITLE: DETAILS

PROJECT: RANCHO CIENEGA SPORTS COMPLEX

ADDRESS: 5001 RODEO ROAD LOS ANGELES, CA 90016

BUREAU OF ENGINEERING OFFICIAL RECORD

WORK ORDER NO. E1907694

PLAN FILE NO.

DRAWING NO. SP-10

SHEET OF SHEETS

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REVISION DATES (DESIGN STAGE ONLY)

TEMPLATE SHEET REVISION DATE: 08/2014
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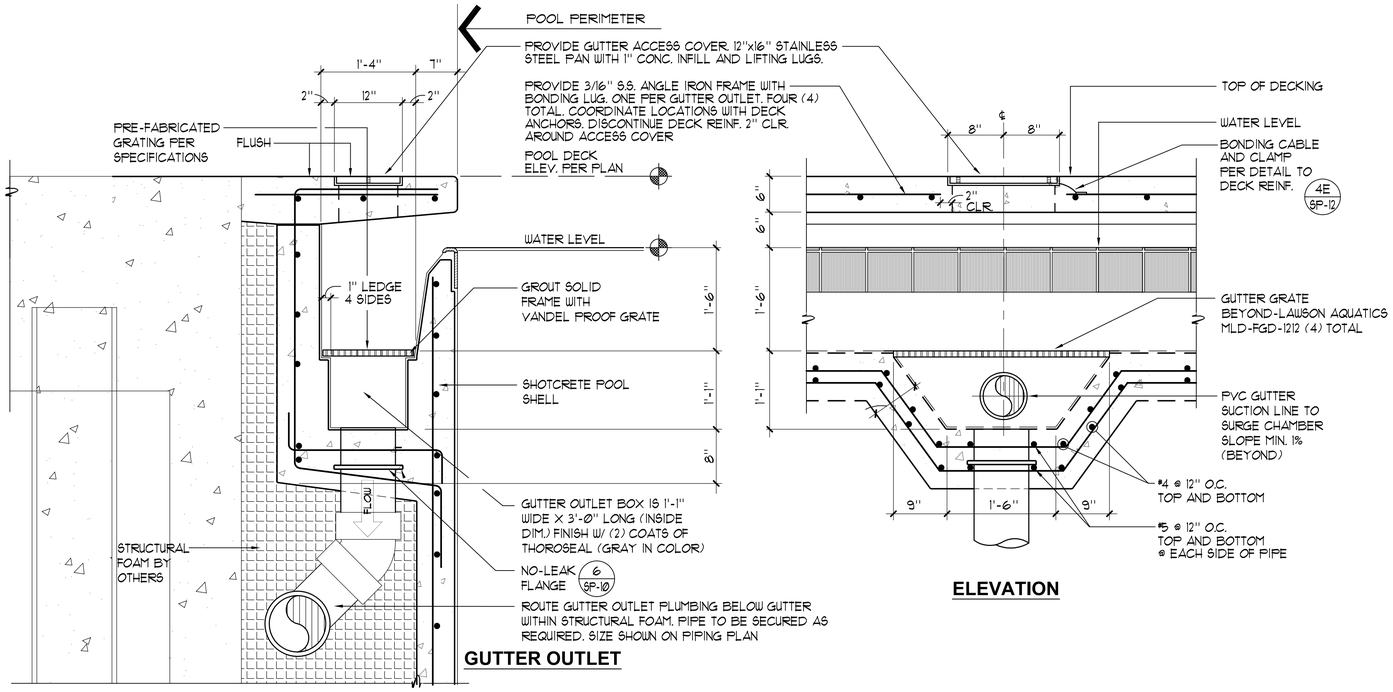
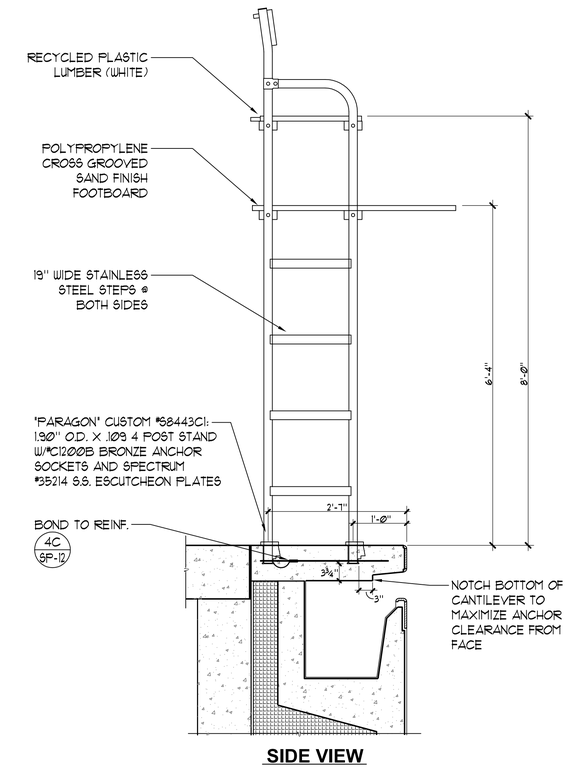
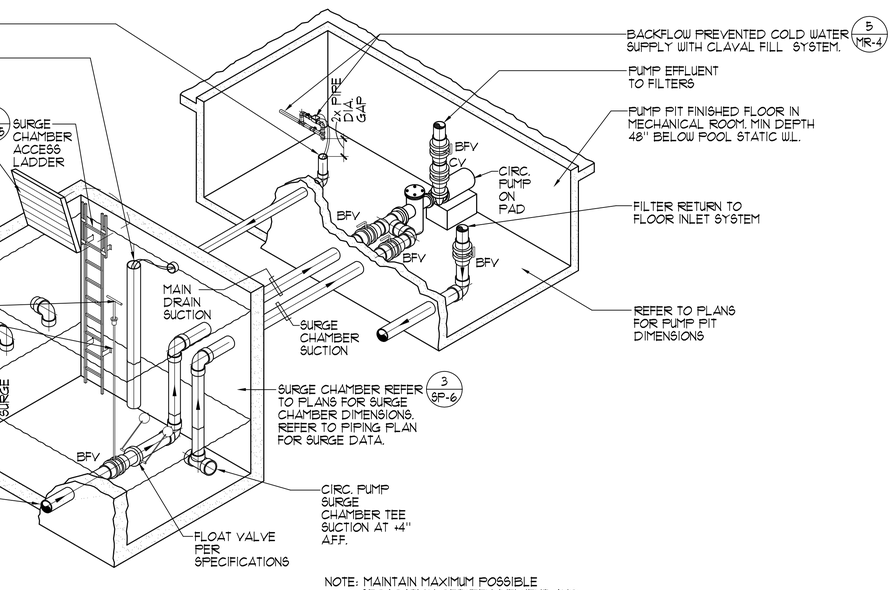


1 GUTTER OUTLET 1"=1'-0"

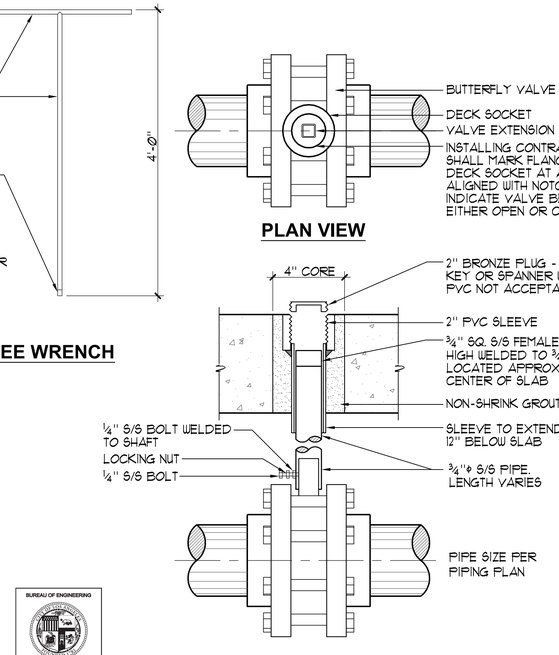


2 LIFEGUARD CHAIR ¾"=1'-0"



NOTE: MAINTAIN MAXIMUM POSSIBLE SEPARATION BETWEEN INFLUENT AND SUCTION LINES IN SURGE PIT.

3 SURGE CHAMBER PIPING SCHEMATIC NO SCALE



BUREAU OF ENGINEERING OFFICIAL RECORD

NO SCALE

4 SURGE CHAMBER BUTTERFLY VALVE / EXTENSION DETAIL

BID SET

CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS BUREAU OF ENGINEERING

LA DPW ENGINEERING TRANSFORMING LOS ANGELES

NO.	REVISIONS:	DATE:	BY:

BUILDING NO.

INDEX NO. RP 300094

LICENSED ARCHITECT J. FORBES SU C-28222 REN. 08/31/17 STATE OF CALIFORNIA

GARY LEE MOORE, PE, ENV SP CITY ENGINEER
ARCHITECT: SCOTT FERRELL LIC. NO. C-28222
DESIGNED BY:
DRAWN BY:
CHECKED BY:
APPROVED BY: MAHMOOD KARIMZADEH, A.I.A., PRINCIPAL ARCHITECT

VERTICAL CONTROL:
HORIZONTAL CONTROL:

SHEET TITLE: DETAILS

PROJECT: RANCHO CIENEGA SPORTS COMPLEX

ADDRESS: 5001 RODEO ROAD LOS ANGELES, CA 90016

WORK ORDER NO. E1907694

PLAN FILE NO.

DRAWING NO. SP-11

SHEET OF SHEETS

PLOTTED: 12/13/2016 2:59 PM

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TEMPLATE SHEET REVISION DATE: 08/2014
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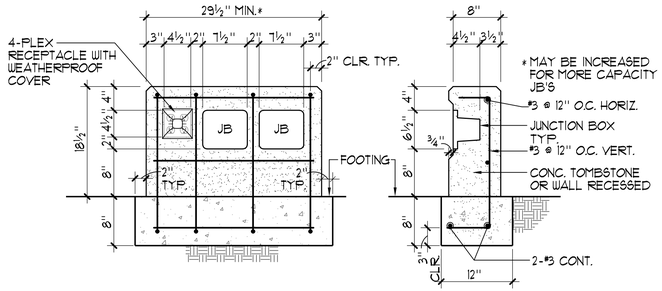
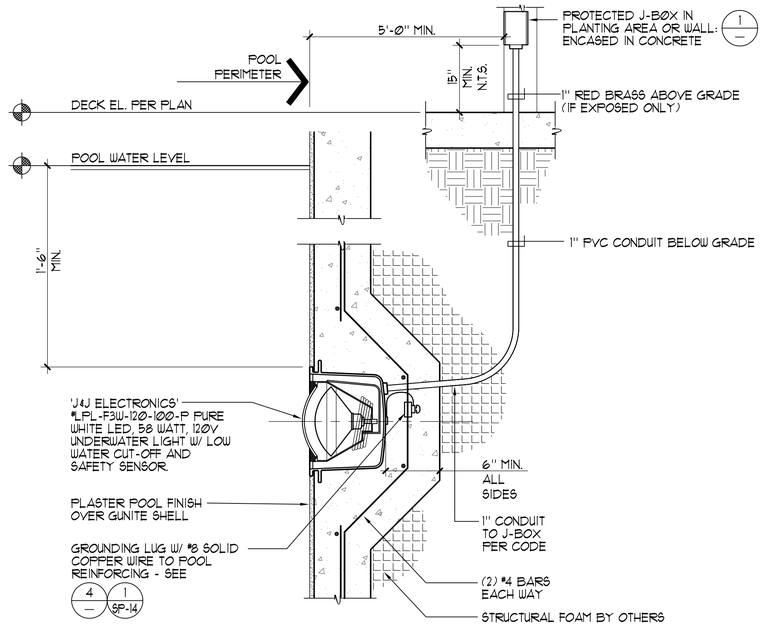


FRONT ELEVATION **RIGHT SIDE ELEVATION**

NOTE:
PROVIDE ¾" CHAMFER ON ALL CONCRETE CORNERS.

1"=1'-0"

1 UNDERWATER LIGHT JUNCTION BOX CONCRETE SURROUND DETAIL

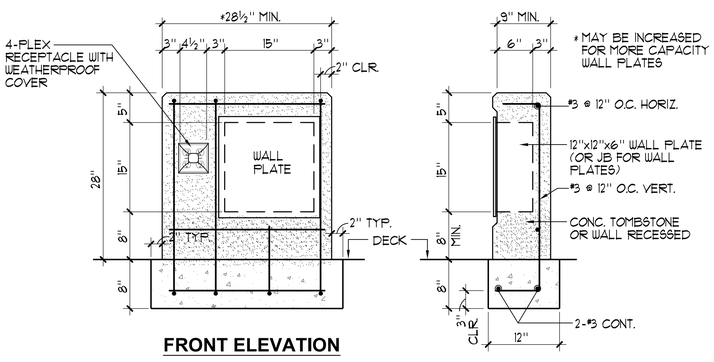


UNDERWATER LIGHT NOTES:

1. ALL CONDUITS IN POOL LIGHTING SYSTEM TO BE A MINIMUM OF 1"ø.
2. CONDUCTORS TO POOL, J-BOXES SHALL BE MINIMUM 2-#8 & 1#8 (SEE UNDERWATER LIGHT PLAN) SOLID UNBROKEN TO MAIN PANEL ISOLATED GROUND BUSS. THIS BUSS IS TO BE CONNECTED WITH SOLID INSULATED #8 COPPER WIRE TO UFER & COLDWATER GROUNDING LUG ON GROUNDING BUSS. UPSIZE CONDUCTORS AS REQUIRED FOR HOMERUNS EXCEEDING 100'.
3. ALL BRASS POOL J-BOXES SHALL BE FLUSH MOUNTED IN WALLS. IF FLUSH MOUNTING IS NOT POSSIBLE THEN MOUNTING SHALL BE SURFACE MOUNTED AND CONCRETE ENCASED.
4. CONDUITS WHERE ALLOWED BY CODE SHALL BE P.V.C. (POLYVINYL CHLORIDE) FROM WET NICHES TO BRASS J-BOXES TO LIGHTING PANEL. ALL CONDUITS IN FREE AIR SPACE AND ALL RISERS SHALL BE RED BRASS TYPICAL. PVC CONDUITS SHALL BE SOLVENT WELDED WITH PURPLE PRIMER AND GRAY HEAVY BODIED GLUE.
5. LIGHTING CONTACTORS SHALL BE 'ALLEN-BRADLEY' #500 L± OR EQUAL MOUNTED IN A NEMA 12 HINGED COVER - LOCKABLE ENCLOSURE. CONTACTORS TO BE SWITCHED BY MOMENTARY SWITCH EQUAL TO 'HUBBELL' #1557 MOUNTED IN J-BOX IN MECHANICAL EQUIPMENT ROOM. REFER TO ELECTRICAL PLANS FOR LOCATION OF OWNER COORDINATED REMOTE UNDERWATER LIGHT SWITCH.
6. BRASS POOL J-BOXES SHALL BE 'HYDREL' #7119 ± W/ 1" HUBS OR EQUAL. (NO DIE CAST BOXES).
7. STRINGS SHALL BE PULLED IN ALL CONDUITS PRIOR TO PLACEMENT OF CONCRETE.
8. LOCAL, COUNTY OR CITY CODES SHALL BE ADHERED TO, SPECIFICATIONS TO BE IN ACCORDANCE WITH SECTION 680 OF LATEST N.E.C. BOOK.
9. PROVIDE PULL BOXES AS MAY BE REQUIRED FOR RUNS EXCEEDING 150 FT. OR DUE TO CHANGES IN GRADE OR DIRECTION.
10. CONTRACTOR SHALL TEST UNDERWATER POOL LIGHT GFIC CIRCUITS AND PROVIDE LETTER TO OWNER/DSA UPON SUCCESSFUL TEST.
11. SEAL CONDUIT OPENING IN LIGHT NICHE WITH SILICON CAULKING AFTER LIGHT IS INSTALLED.
12. PRIOR TO LIGHT INSTALLATION, PROVIDE MINIMUM 10 PSI PRESSURE TEST ON ALL POOL LIGHT CONDUITS FOR FOUR (4) HOURS OBSERVED BY INSPECTOR OF RECORD. MAINTAIN PRESSURE UNTIL ALL DECKS ARE POURED.

1½"=1'-0"

2 UNDERWATER LED LIGHT

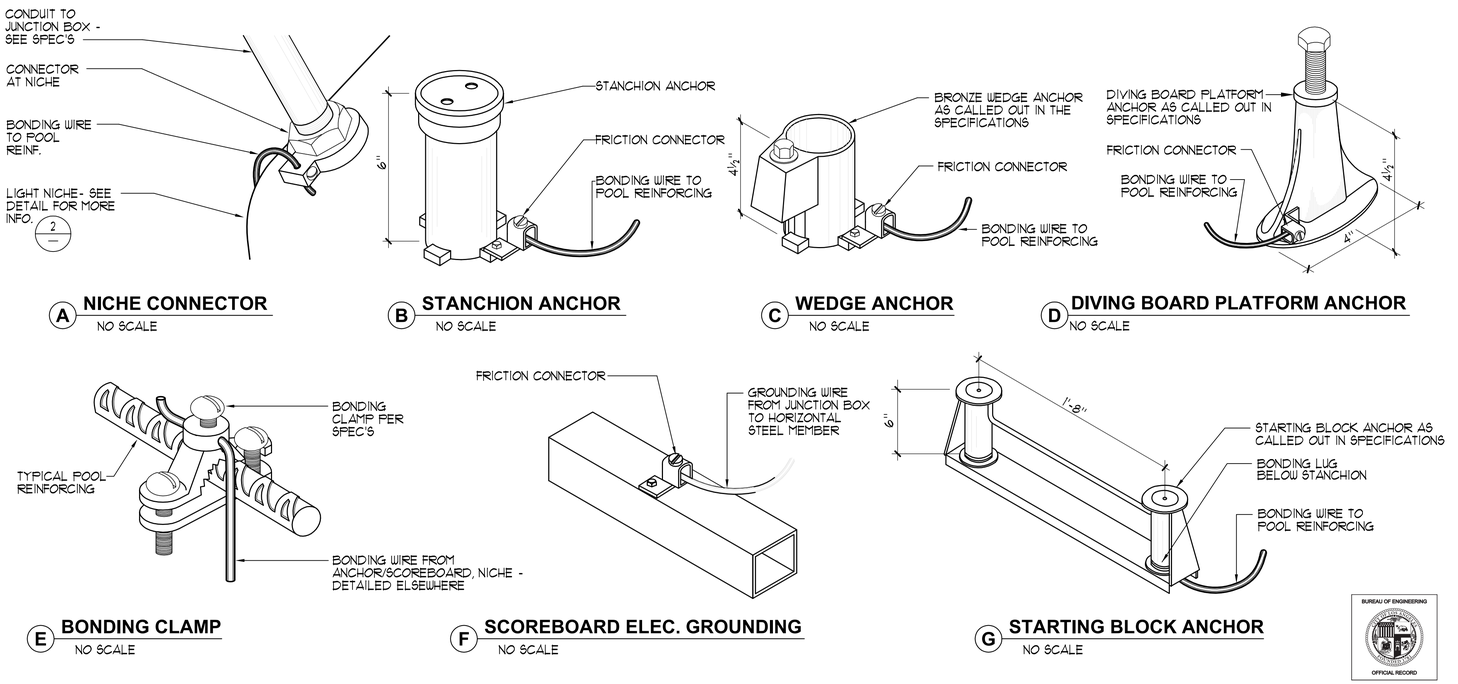


FRONT ELEVATION **RIGHT SIDE ELEVATION**

NOTE:
PROVIDE ¾" CHAMFER ON ALL CONCRETE CORNERS.

1"=1'-0"

3 TIMING SYSTEM WALL PLATE CONCRETE SURROUND DETAIL



A NICHE CONNECTOR NO SCALE

B STANCHION ANCHOR NO SCALE

C WEDGE ANCHOR NO SCALE

D DIVING BOARD PLATFORM ANCHOR NO SCALE

E BONDING CLAMP NO SCALE

F SCOREBOARD ELEC. GROUNDING NO SCALE

G STARTING BLOCK ANCHOR NO SCALE

4 BONDING DETAILS

NO SCALE

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TEMPLATE SHEET REVISION DATE: 08/2014
REVISION DATE: 10/14/2016 4:14 PM FILE: Z:\DRAWINGS\RECREATION N-Z\RANCHO CIENEGA\ARC-SP12.DWG

REVISION DATES: (DESIGN STAGE ONLY)

BUREAU OF ENGINEERING
LA DPW ENGINEERING TRANSFORMING LOS ANGELES

DATE: BY:
NO. REVISIONS:

BUILDING NO.
INDEX NO. RP 300094

LICENSED ARCHITECT JAMES J. FERRELL REN. 08/31/17 C-26222 STATE OF CALIFORNIA

BUREAU OF ENGINEERING
DEPARTMENT OF PUBLIC WORKS
CITY OF LOS ANGELES

GARY LEE MOORE, PE, ENV SP CITY ENGINEER
DATE:
ARCHITECTURAL DIVISION
LIC. NO. C-26222
ARCHITECT: SCOTT FERRELL
DESIGNED BY:
DRAWN BY:
CHECKED BY:
APPROVED BY: MAHMOOD KARIMZADEH, A.I.A., PRINCIPAL ARCHITECT

VERTICAL CONTROL:
HORIZONTAL CONTROL:
SHEET TITLE: DETAILS
PROJECT: RANCHO CIENEGA SPORTS COMPLEX
ADDRESS: 5001 RODEO ROAD LOS ANGELES, CA 90016

BID SET

WORK ORDER NO. E1907694
PLAN FILE NO.
DRAWING NO. SP-12
SHEET OF SHEETS

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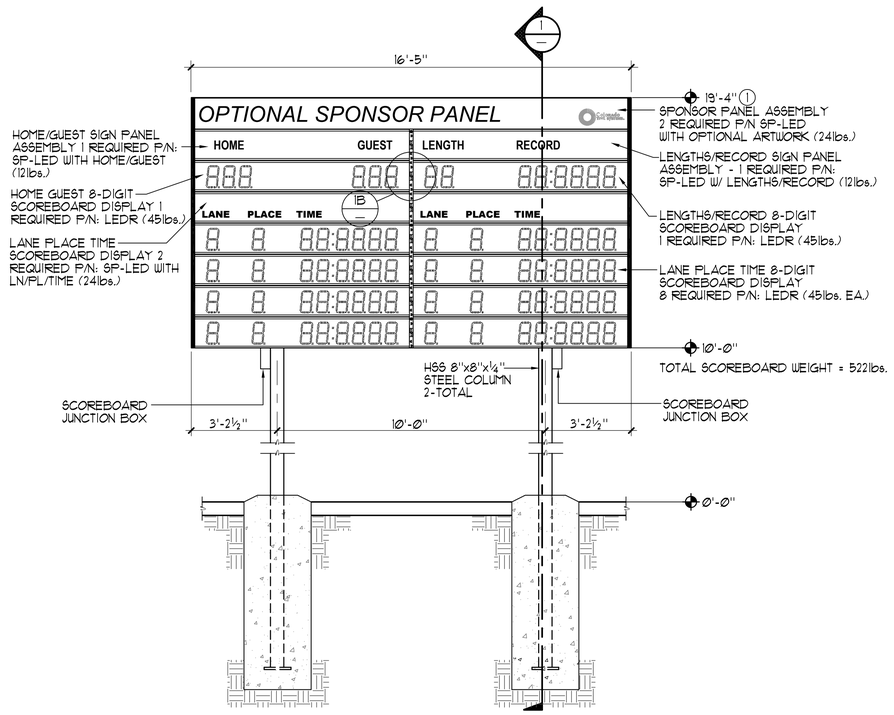
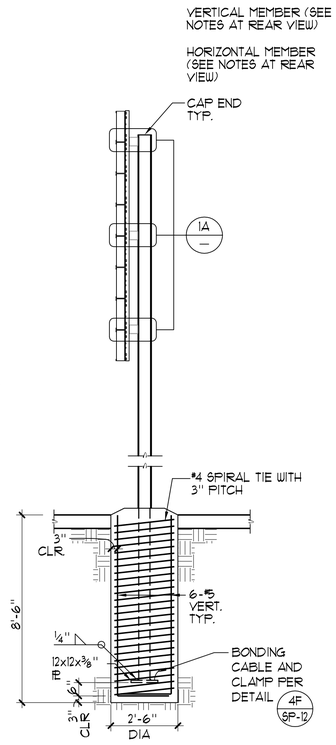
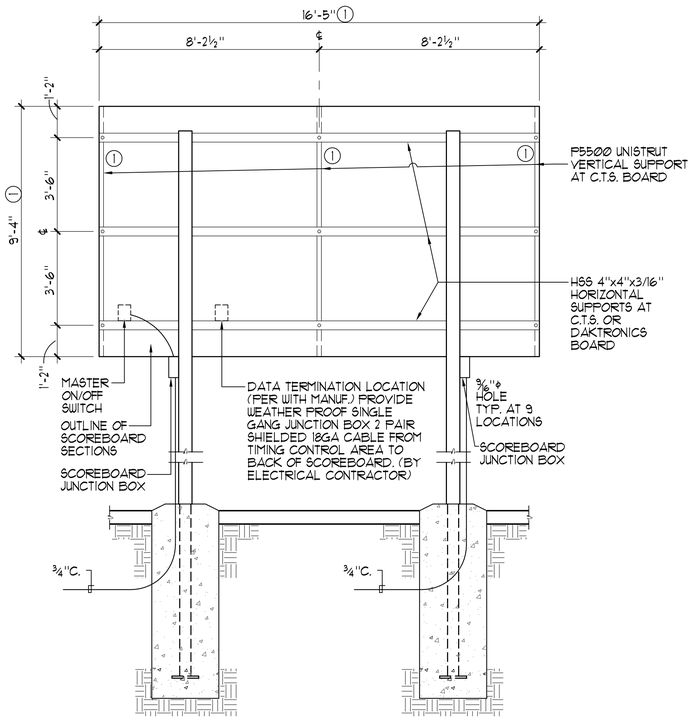


FRONT VIEW
3/8"=1'-0"



A SECTION
3/8"=1'-0"

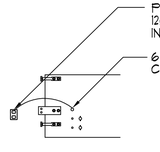


REAR VIEW
3/8"=1'-0"

A SECTION

NOTES:

1. C.T.S. 'COLORADO TIME SYSTEM' DIMENSIONS:
   9'-4"Hx16'-5"L
   PROVIDE THREE (3) P5500 UNISTRUT VERTICAL MEMBERS BOLTED TO HORIZONTAL MEMBERS.
2. PROVIDE FOOTING OK FOR SINGLE POUR COLUMN TO BE HELD IN PLACE WITH FORM TEMPLATE.
3. VIBRATE CONCRETE FULL DEPTH.
4. PROVIDE PLYWOOD COLLAR AROUND OPENING.
5. CAP ALL TUBES
6. PROVIDE SHOP PRIME WITH ZINC ENRICHED PAINT.
7. PROVIDE FINISH EXTERIOR ACRYLIC PAINT. COLOR TO BE SELECTED BY OWNER/ARCHITECT.



SPECIFICATIONS:

LED SCOREBOARD:
- DIGITS:
- DIGITS ARE 10" HIGH, 7 LED SEGMENTS EACH
- COLONS AND DECIMALS ARE VINYL
- CAPTIONS:
- ALL CAPTIONS ARE 5" HIGH, VINYL

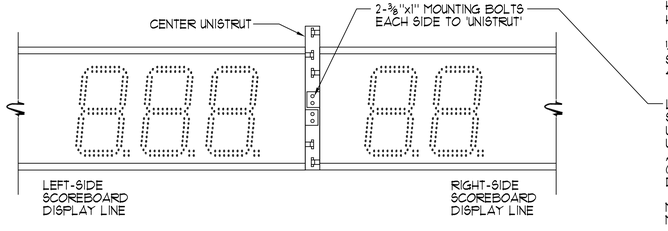
IDENTIFICATION DISPLAY:
- LETTERS ARE 12" HIGH, VINYL
- DISPLAY FACE IS FINISHED ALUMINUM

ELECTRICAL HOOKUP DETAIL

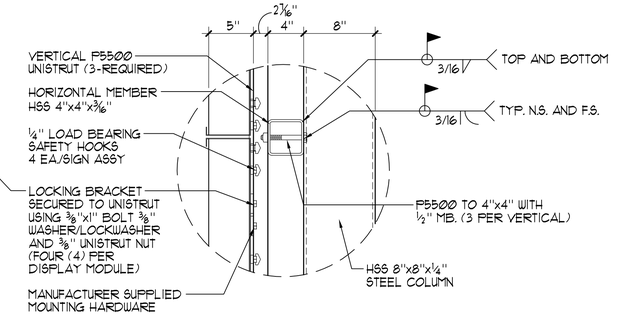
GENERAL DISPLAY:
- SINGLE FACE
- ALL ALUMINUM CONSTRUCTION
- DISPLAY FINISH TO BE SPECIFIED
- DIMENSIONS ARE SUBJECT TO CHANGE DUE TO DETAILED DESIGN CONSIDERATIONS/ONLY APPROVED SHOP DRAWINGS SHOULD BE USED FOR CONSTRUCTION PURPOSES
- OUTDOOR MODELS MUST BE EARTH GROUNDED/NUMBER & LENGTHS OF RODS TO MEET LOCAL NATIONAL ELECTRIC CODE.

MAXIMUM POWER CONSUMPTION:
- 700 WATTS
  120V AC, 20 AMP CIRCUIT REQUIRED

TOTAL SYSTEM WEIGHT:
- APPROXIMATELY 522 LBS



1B SIDE-BY-SIDE MOUNTING DETAIL
1½"=1'-0"



1A MOUNTING DETAIL
1½"=1'-0"

BUREAU OF ENGINEERING

OFFICIAL RECORD

BID SET

CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS

GARY LEE MOORE, PE, ENV SP CITY ENGINEER
ARCHITECTURAL DIVISION
ARCHITECT: SCOTT FERRELL LIC. NO. C-26222
DESIGNED BY:
DRAWN BY:
CHECKED BY:
APPROVED BY: MAHMOOD KARIMZADEH, A.I.A., PRINCIPAL ARCHITECT

VERTICAL CONTROL:
HORIZONTAL CONTROL:

SHEET TITLE: DETAILS
PROJECT: RANCHO CIENEGA SPORTS COMPLEX
ADDRESS: 5001 RODEO ROAD
LOS ANGELES, CA 90016

WORK ORDER NO. E1907694
PLAN FILE NO.
DRAWING NO. SP-13
SHEET OF SHEETS

BUILDING NO.
INDEX NO. RP 300094

NO. | REVISIONS: | DATE: | BY:

LA DPW ENGINEERING TRANSFORMING LOS ANGELES

LICENSED ARCHITECT SCOTT J. FERRELL REN. 08/31/17 C-26222 STATE OF CALIFORNIA

1 SCOREBOARD DETAILS AS NOTED

REVISION DATES (DESIGN STAGE ONLY)

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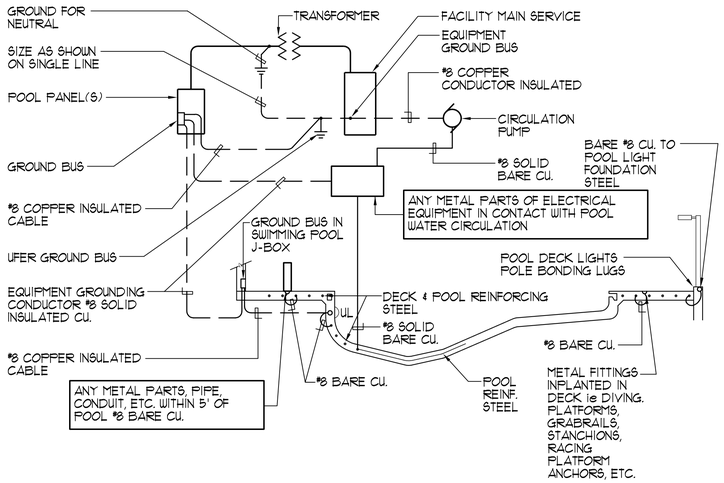


NOTE:

1. STRUCTURAL STEEL IN POOL DECK AND POOL SHALL BE BONDED TOGETHER (TIGHTLY MADE STEEL TIE-WIRES ARE APPROVED FOR BONDING STRUCTURAL ELEMENTS).
2. BONDING CONNECTOR TO COMMON GRID. (POOL STEEL MAY BE USED FOR THAT PURPOSE) SHALL BE MADE BY PRESSURE CONNECTORS OR CLAMPS OF BRASS, COPPER, OR COPPER ALLOY.
3. ALL GROUND BUSES SHALL BE SIZED FOR CONNECTION TO AWG SIZE 8 WIRE PROVIDING ONE SPARE TERMINAL.
4. GROUND AND BOND IN ACCORDANCE WITH ARTICLE 680 OF THE CALIFORNIA ELECTRICAL CODE. ie. LADDERS, FENCING, POLE LIGHTS, DIVING & STARTING STANCHIONS, DISABLED LIFT ETC.
5. PROVIDE BONDING OF AUTOMATIC POOL COVER MOTORS REGARDLESS OF PROXIMITY TO POOL.

1 TYPICAL POOL BONDING AND GROUND DETAIL NO SCALE

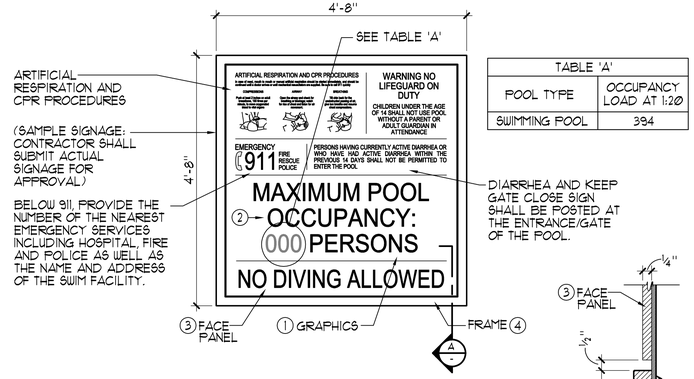
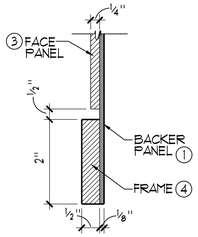


TABLE 'A'	
POOL TYPE	OCCUPANCY LOAD AT 1:20
SWIMMING POOL	394



A SECTION NO SCALE

SIGNAGE NOTES AND SPECIFICATIONS:

1. 1/8" THICK PAINTED ALUMINUM BACKER PANEL.
2. SILKSCREENED COPY/GRAPHICS WITH SATIN CLEAR COAT.
3. 1/4" THICK PAINTED ALUMINUM FACE PANEL WITH SILKSCREENED COPY/GRAPHICS. ATTACH TO 1/8" THICK PAINTED ALUMINUM BACKER PANEL USING 'VHB' TAPE AND SILICONE ADHESIVE.
4. 2" WIDE x 1/2" THICK PAINTED ALUMINUM SIGN FRAME ADHERED TO 1/8" THICK PAINTED ALUMINUM BACKER USING 'LORD8' ADHESIVE AS REQUIRED. VERTICAL SECTIONS OF FRAME TO BE RECTANGULAR TUBE. FILL AND SAND SEAM ALONG EDGE AND FACE PRIOR TO PAINTING.

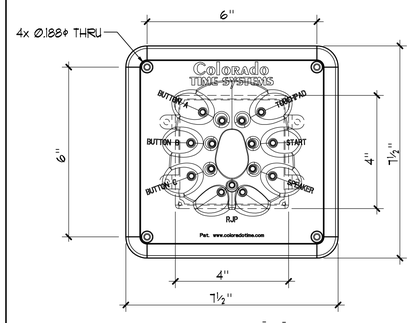
NOTES:

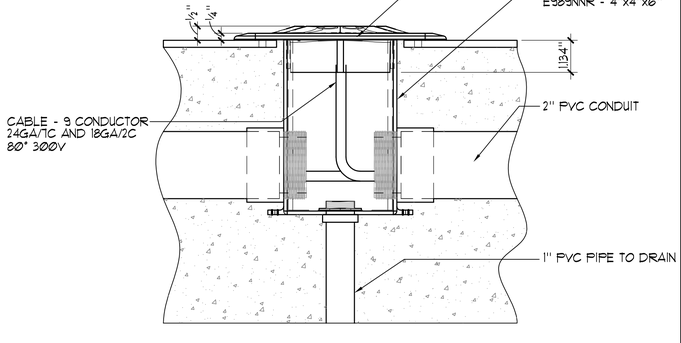
1. COORDINATE SIGNAGE PLACEMENT AND COLOR SCHEME WITH ARCHITECT/OWNER PRIOR TO INSTALLATION.
2. CONTRACTOR TO PROVIDE SHOP DRAWINGS OF PROPOSED SIGNAGE FOR REVIEW.
3. CONTRACTOR SHALL PROVIDE SIGNAGE IN SPANISH, ENGLISH, AND VIETNAMESE.

REQUIRED SIGNAGE:

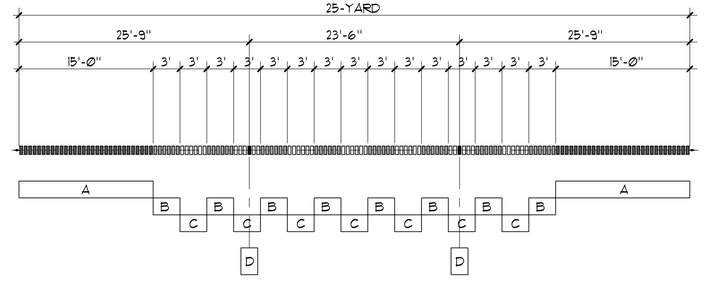
1. ALL SIGNS SHALL HAVE CLEARLY LEGIBLE LETTERS OR NUMBERS NOT LESS THAN 4 INCHES HIGH, UNLESS OTHERWISE NOTED; AFFIXED TO A WALL, POLE, GATE, OR SIMILAR PERMANENT STRUCTURE IN A LOCATION VISIBLE TO ALL POOL USERS.
   - A. POOL USER CAPACITY SIGN: A SIGN SHALL INDICATE THE MAXIMUM NUMBER OF POOL USERS PERMITTED FOR EACH POOL.
   - B. NO DIVING SIGN: SIGNS SHALL BE POSTED IN CONSPICUOUS PLACES AND SHALL STATE 'NO DIVING' AT POOLS WITH A MAXIMUM WATER DEPTH OF 6 FEET OR LESS.
   - C. NO LIFEGUARD SIGN: WHERE NO LIFEGUARD SERVICE IS PROVIDED, A WARNING SIGN SHALL BE POSTED STATING, "WARNING: NO LIFEGUARD ON DUTY." THE SIGN ALSO SHALL STATE IN LETTERS AT LEAST 1 INCH HIGH, "CHILDREN UNDER THE AGE OF 14 SHALL NOT USE POOL WITHOUT A PARENT OR ADULT GUARDIAN IN ATTENDANCE."
   - D. ARTIFICIAL RESPIRATION AND CPR SIGN: AN ILLUSTRATED DIAGRAM WITH TEXT AT LEAST 1/4 INCH HIGH OF ARTIFICIAL RESPIRATION AND CPR PROCEDURES SHALL BE POSTED.
   - E. EMERGENCY SIGN: THE EMERGENCY TELEPHONE NUMBER 911, THE NUMBER OF THE NEAREST EMERGENCY SERVICES AND THE NAME AND STREET ADDRESS OF THE POOL FACILITY SHALL BE POSTED.
   - F. NO USE AFTER DARK: WHERE POOLS WERE CONSTRUCTED FOR WHICH LIGHTING WAS NOT REQUIRED A SIGN SHALL BE POSTED AT EACH POOL ENTRANCE ON THE OUTSIDE OF THE GATE(S) STATING, "NO USE OF POOL ALLOWED AFTER DARK."
   - G. KEEP CLOSED: A SIGN SHALL BE POSTED ON THE EXTERIOR SIDE OF GATES AND DOORS LEADING INTO THE POOL ENCLOSURE AREA STATING, "KEEP CLOSED."
   - H. DIARRHEA: A SIGN IN LETTERS AT LEAST 1 INCH HIGH AND IN A LANGUAGE OR DIAGRAM THAT IS CLEARLY STATED SHALL BE POSTED AT THE ENTRANCE AREA OF A PUBLIC POOL WHICH STATES THAT PERSONS HAVING CURRENTLY ACTIVE DIARRHEA OR WHO HAVE HAD ACTIVE DIARRHEA WITHIN THE PREVIOUS 14 DAYS SHALL NOT BE ALLOWED TO ENTER THE POOL WATER.
2. DIRECTION OF FLOW SIGNAGE AND LABELS.
   - A. THE DIRECTION OF FLOW FOR THE RECIRCULATION EQUIPMENT SHALL BE LABELED CLEARLY WITH DIRECTIONAL SYMBOLS SUCH AS ARROWS ON ALL PIPING IN THE EQUIPMENT AREA.
   - B. WHERE THE RECIRCULATION EQUIPMENT FOR MORE THAN ONE POOL IS LOCATED ON SITE, THE EQUIPMENT SHALL BE MARKED AS TO WHICH POOL THE SYSTEM SERVES.
   - C. VALVES AND PLUMBING LINES SHALL BE LABELED CLEARLY WITH THE SOURCE OR DESTINATION DESCRIPTIONS.

2 POOL SIGNAGE DETAIL 3/4"=1'-0"





4 TITANIUM DECK PLATE DETAIL NO SCALE



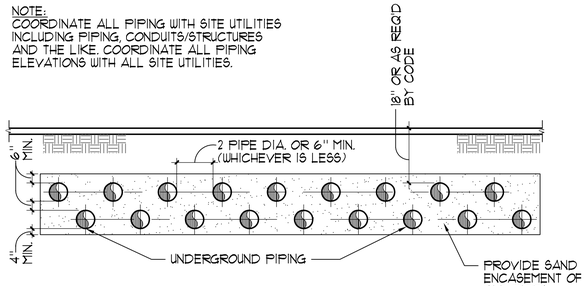
A= BLACK
B= RED
C= WHITE
D= GRAY (SINGLE FLOAT)

COLOR SELECTIONS (STANDARD COLORS INCLUDE WHITE, RED, YELLOW, BLUE, GREEN)

VARIOUS MANUFACTURER'S PROVIDE ADDITIONAL STANDARD & CUSTOM COLORS UPON SPECIAL ORDER.

5 25 YARD RACING LANE LINES 1/8"=1'-Ø"

NOTE:
COORDINATE ALL PIPING WITH SITE UTILITIES INCLUDING PIPING, CONDUITS/STRUCTURES AND THE LIKE. COORDINATE ALL PIPING ELEVATIONS WITH ALL SITE UTILITIES.



3 STACKED UNDERGROUND PIPING NO SCALE

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3			
4			
5			

BUILDING NO.

INDEX NO. RP 300094

LICENSED ARCHITECT JAMES J. FERRELL CA C-28222 REN. 11/30/17 STATE OF CALIFORNIA

GARY LEE MOORE, PE, ENV SP CITY ENGINEER
ARCHITECT: SCOTT FERRELL LIC. NO. C-28222 ARCHITECTURAL DIVISION
DESIGNED BY:
DRAWN BY:
CHECKED BY:
APPROVED BY: MAHMOOD KARIMZADEH, A.I.A., PRINCIPAL ARCHITECT

VERTICAL CONTROL:
HORIZONTAL CONTROL:

SHEET TITLE: DETAILS

PROJECT: RANCHO CIENEGA SPORTS COMPLEX
ADDRESS: 5001 RODEO ROAD LOS ANGELES, CA 90016

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WORK ORDER NO. E1907694
PLAN FILE NO.
DRAWING NO. SP-14
SHEET OF SHEETS

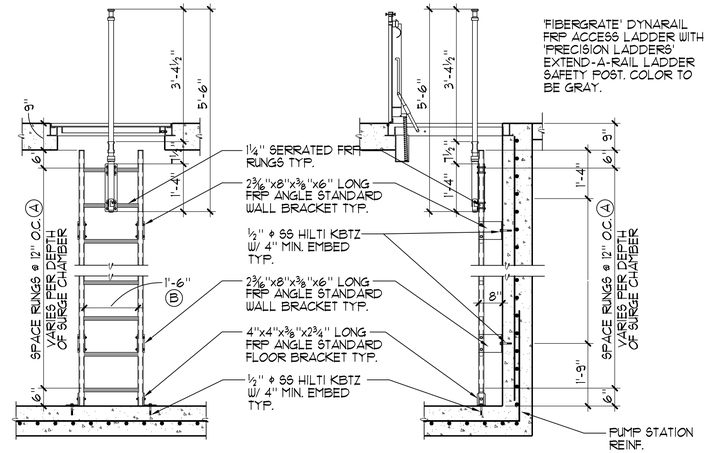
PLOTTED: 12/13/2016 2:59 PM

CONTRACTOR TO VERIFY:

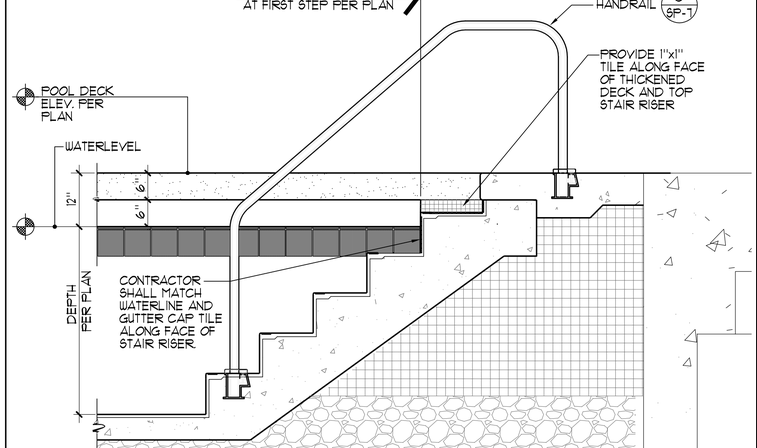
(A) OVERALL LADDER HEIGHT

(B) LADDER WIDTH

'FIBERGRATE' DYNARAIL FRP ACCESS LADDER WITH 'FRECISION LADDERS' EXTEND-A-RAIL LADDER SAFETY POST. COLOR TO BE GRAY.



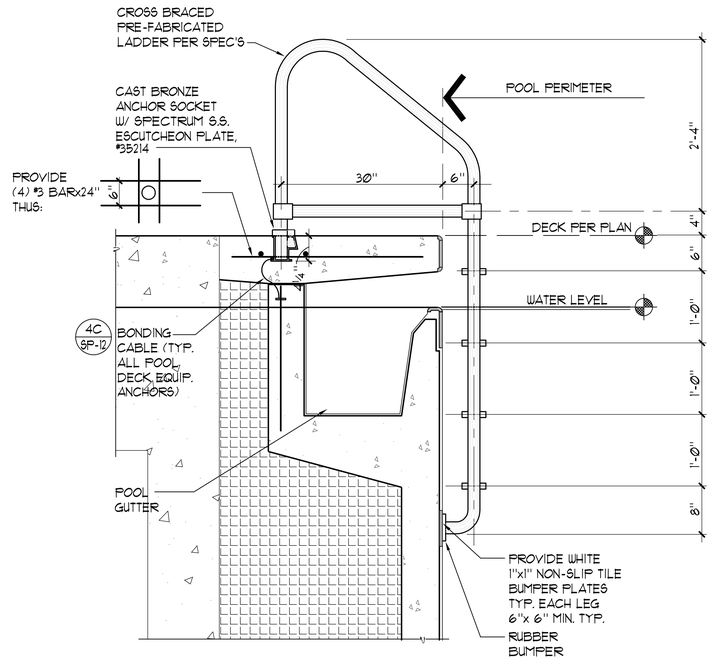
(A) FRONT ELEVATION



(B) SIDE ELEVATION

(1) SURGE CHAMBER ACCESS LADDER ½"=1'-Ø"

(2) GUTTER EDGE AT STAIRS ¾"=1'-Ø"



(3) POOL LADDER 1"=1'-Ø"

BUREAU OF ENGINEERING

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CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS

BUREAU OF ENGINEERING

LA DPW ENGINEERING TRANSFORMING LOS ANGELES

NO.	REVISIONS:	DATE:	BY:
1	HEALTH DEPT CORRECTIONS	12.15.16	AGO

BUILDING NO.

INDEX NO. RP 300094

LICENSED ARCHITECT GARY LEE MOORE C-28222 REN. 08/31/17 STATE OF CALIFORNIA

GARY LEE MOORE, PE, ENV SP CITY ENGINEER

ARCHITECTURAL DIVISION

ARCHITECT: SCOTT FERRELL LIC. NO. C-28222 DATE:

DESIGNED BY:

DRAWN BY:

CHECKED BY:

APPROVED BY: MAHMOOD KARIMZADEH, A.I.A., PRINCIPAL ARCHITECT

VERTICAL CONTROL:

HORIZONTAL CONTROL:

SHEET TITLE: DETAILS

PROJECT: RANCHO CIENEGA SPORTS COMPLEX

ADDRESS: 5001 RODEO ROAD LOS ANGELES, CA 90016

WORK ORDER NO. E1907694

PLAN FILE NO.

DRAWING NO. SP-15

SHEET OF SHEETS

PLOTTED: 12/13/2016 3:00 PM

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THREE PHASE MOTOR LOADS AT 460V

SWIMMING POOL CIRCULATION PUMP: 25 HP @ 460V = 34 AMPS

GENERAL NOTES

1. THE PIPING SYSTEM SHALL HAVE DIRECTION OF FLOW ARROWS INDICATED ON THE PIPES.
2. PUBLIC POOLS SHALL HAVE A FLOW DIAGRAM OF THE POOL'S PIPING SYSTEM WITH OPERATION INSTRUCTIONS.
3. THE FLOW DIAGRAM AND INSTRUCTIONS SHALL BE AVAILABLE ON THE PREMISES AT ALL TIME
4. A PIPING SYSTEM FOR A GENERAL USE POOL SHALL BE COLOR CODED AS SPECIFIED IN THE FOLLOWING CHART:

POOL WATER	BLUE
FILL OR MAKEUP WATER, UNTREATED WATER	RED
TREATED, FILTERED WATER	WHITE
BACKWASH WATER	BLACK

LEGEND

BV	=	BALL VALVE
BFV	=	BUTTERFLY VALVE
CV	=	CHECK VALVE
FM	=	FLOWMETER
AI	=	ACID INJECTION
PH	=	PIPE HANGER (5 / MR-8)
FD	=	FLOOR DRAIN
GA	=	VACUUM / PRESSURE GAUGE (3 / MR-7)
BW	=	BACKWASH
FS	=	FLOOR SINK

EQUIPMENT LIST

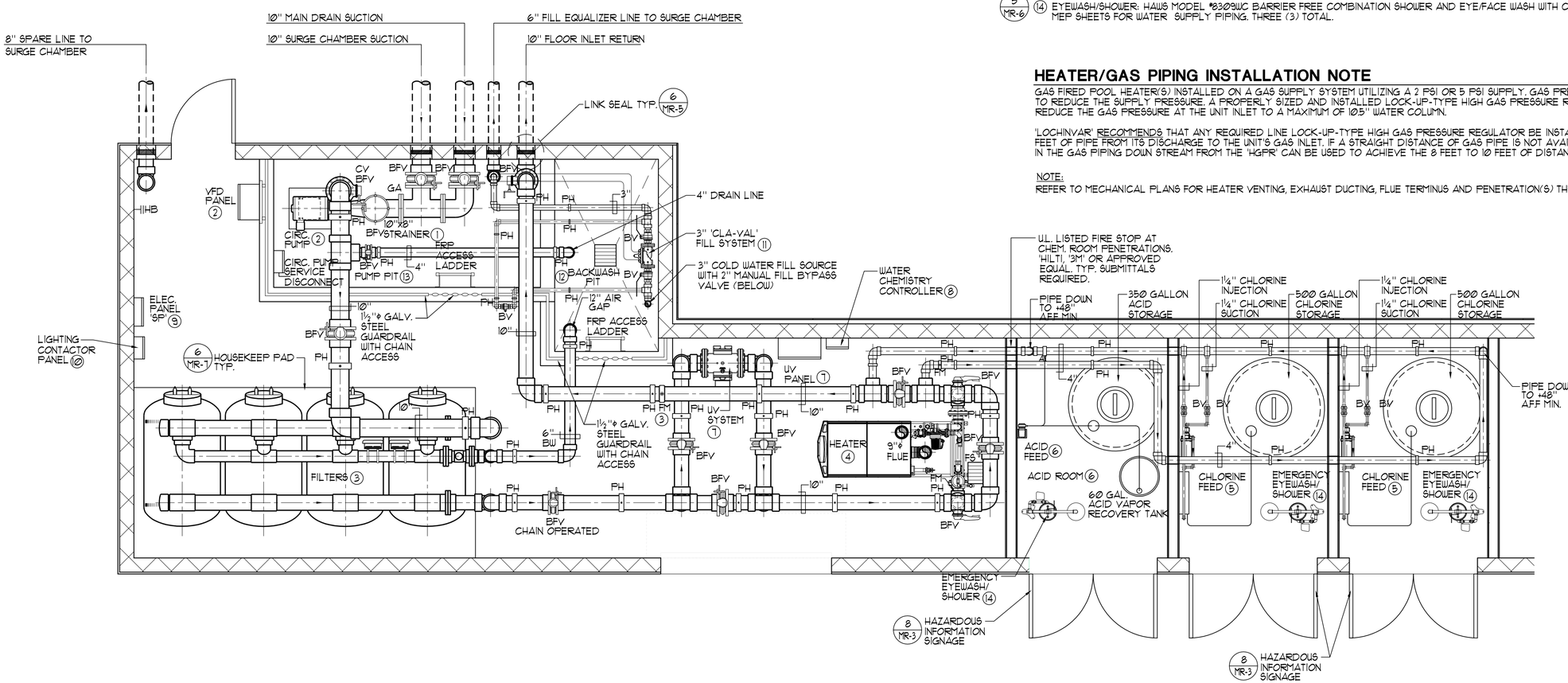
1. SWIMMING POOL STRAINER: 'MER-MADE' F.O. SERIES FRP REDUCING BASKET STRAINER: ONE (1) 10"x8" STANDARD, WITH ACRYLIC LID AND TWO (2) STAINLESS STEEL STRAINERS EA. (150lbs.)
2. (3 / MR-3) (1 / MR-5) (3 / MR-8) (4 / MR-8) SWIMMING POOL CIRCULATION PUMP: 'PACO' #5095-7, 5"x6"x9½" TYPE 'LC' END SUCTION CENTRIFUGAL PUMP; 1,760 RPM, 460V, 3PH; 25HP; RATED AT 1050 GPM @ 60 FT. TDH; 84% EFFICIENT; PREMIMUM EFFICIENCY TEFC MOTOR; EPOXY COAT ALL WET SURFACES. 'PACO', 'AURORA' OR APPROVED EQUAL. (600 lbs.) PROVIDE 'ACCU DRIVE' XS #AD250-4603-N12, VARIABLE FREQUENCY DRIVE NEMA 12 ENLCOSURE; FUSED DISCONNECT AND BYPASS; BI FRAME AND FLOW SENSOR KIT #91016-4206KIT. COORDINATE WITH EXISTING ELECTRICAL LOADS. 'ACU DRIVE' OR APPROVED EQUAL.
3. (1 / MR-3) (4 / MR-6) SWIMMING POOL FILTERS: 'STARK' #SS4-72-08 MANUAL FILTER CONTROL HI-RATE PERMANENT MEDIA FILTER WITH 80 SQ. FT. OF FILTER AREA RATED AT 1200 GPM AT 15 GPM/SQ. FT. COMPLETE WITH 10" FACE PIPING, 6" BACKWASH, SEISMIC ANCHORAGE. PROVIDE ALL UTILITES, PIPING, VALVING, ETC. (1,550 lbs EA. TANK) 'STARK', 'EPD', OR EQUAL. PROVIDE SIGNET MK-515 FLOSENSOR WITH DIGITAL READ-OUT.
4. (2 / MR-3) (1 / MR-5) SWIMMING POOL HEATER: INDIRECT FIRED POOL HEATING PACKAGE SYSTEM; 'AQUAS' WITH SMART TOUCH CONTROL CONDENSING MODULATING BOILER, CUPRO NICKEL HEAT EXCHANGER WITH CPVC CONNECTIONS, FACTORY ASSEMBLED SKID MOUNTED PACKAGE, CALIFORNIA CODE CONTROLS, 1½" NATURAL GAS CONNECTION, 6" WATER CONNECTIONS, 6" DIAMETER AIR INLET AND 6" DIAMETER SIDEWALL VENT SIZE, PVC VENTED (PROVIDE WITH APPLICABLE #100-800 KIT30048 VENT KIT PER PLANS); 1,256,360 BTU PER HOUR INPUT, 97% EFFICIENT, 'LOCHINVAR XPN1320', WEIGHT = 1,102 lbs. EA. ONE (1) TOTAL.
5. (4 / MR-3) (1 / MR-4) (2 / MR-4) (3 / MR-4) (1 / MR-5) (1 / MR-6) CHLORINE STORAGE/FEED SYSTEM: PROVIDE 'CHEM-TAINER' 500 GALLON #TC591DC; DUAL STORAGE/CONTAINMENT TANK WITH LID SEISMICALLY RESTRAINED; OPERATING WEIGHT = (4,165lbs). COMPLIES WITH FED. REG #40CFR-264-193. FEED SYSTEMS SHALL BE 'SURE WATER TECHNOLOGIES' THE SOLUTION; 1,128 GPD MAX. ½HP PUMP, 'BERKELEY' #S91XN, 115/230V, 1 PH MOTOR, TEFC, COMPLETE WITH PIPING, VALVING AND MOUNTING. TWO (2) TOTAL.
6. (5 / MR-3) (6 / MR-3) (1 / MR-4) (2 / MR-4) (3 / MR-4) (4 / MR-4) (1 / MR-5) ACID STORAGE/FEED SYSTEM: PROVIDE 'CHEM-TAINER' 350 GALLON #TC525DC; DUAL STORAGE/CONTAINMENT TANK WITH LID SEISMICALLY RESTRAINED; OPERATING WEIGHT =(1,250lbs). COMPLIES WITH FED. REG #40CFR-264-163. FEED PUMP SHALL BE 'STENNER' 45M-5; 5.0 GPD @ 25 PSI WITH FRP SHELF BRACKETS. HARD PIPE TO POINT OF INJECTION. PROVIDE A COMPLETE ACID VAPOR RECOVERY SYSTEM. ONE (1) TOTAL.
7. (1 / MR-8) (2 / MR-8) SWIMMING POOL ULTRA VIOLET SYSTEM: 'ETS' #ECF-225-10V; 1230 GPM VALIDATED FOR INDOOR CAPACITY, 10" FLANGED CONNECTION IN-LINE UV WITH CONTROL PANEL, 5.0 KW AT 480V 3PH. PROVIDE FLOOR MOUNTING ON 4" HOUSEKEEP PAD. PROVIDE INSTALLATION AND PIPING PER MANUFACTURERS RECOMMENDATIONS INCLUDING PIPING BYPASS, STRAINER AND VALVING. 'ETS', 'AQUIONICS', OR APPROVED EQUAL.
8. (3 / MR-5) (4 / MR-5) (1 / MR-7) SWIMMING POOL WATER CHEMISTRY CONTROLLER: PROVIDE ETHERNET CONNECTION TO 'SANTA BARBARA CONTROL SYSTEMS' CHEMTROL PC6000 WATER CHEMISTRY CONTROLLER. PROVIDE COMPLETE SYSTEM CONTROL PACKAGE. 'CHEMTROL 6000', 'IMPACT', 'WALLACE & TIERNAN' OR APPROVED EQUAL. ONE (1) TOTAL.
9. (2 / MR-5) (4 / MR-7) (5 / MR-7) ELECTRICAL: PROVIDE ALL ELECTRICAL WIRING, CONDUIT, PANEL(S), STARTER/DISCONNECT INTERCONNECT(S) ETC. AS REQUIRED FOR PROPER EQUIPMENT INSTALLATION PER MANUFACTURERS RECOMMENDATIONS AND SHOP DRAWINGS. COORDINATE ALL WORK WITH OTHER TRADES AS REQUIRED. REFER TO ELEC. PLANS FOR ALL ADDITIONAL INFO.
10. (2 / MR-7) LIGHTING CONTACTOR PANEL: 'ALLEN BRADLEY' #500L; OR APPROVED EQUAL. PANEL SHALL BE MOUNTED IN A NEMA 12 HINGED COVER - LOCKABLE ENCLOSURE. CONTACTORS TO BE SWITCHED BY MOMENTARY SWITCH EQUAL TO 'HUBBELL' #1557 MOUNTED IN J-BOX IN MECHANICAL EQUIPMENT ROOM. REFER TO ELECTRICAL PLANS FOR LOCATION OF OWNER COORDINATED REMOTE UNDERWATER LIGHT SWITCH.
11. (5 / MR-4) SWIMMING POOL FILL SYSTEM: PROVIDE 3" 'CLA-VAL' SOLENOID CONTROL VALVE #136-01BY, 3" DUCT IRON, EPOXY COATED BODY WITH CAST IRON DISC RETAINER AND DIAPHRAGM WASHER, BRONZE TRIM, FLANGED GLOBE PATTERN, 120V AT 60HZ. SOLENOID WIRING SHALL BE WIRED TO WATER CHEMISTRY CONTROLLER.
12. (2 / MR-6) (3 / MR-6) BACKWASH PIT: 4'-9"x9'-0"x6'-0" DEEP WITH 1,918 GALLONS CAPACITY WITH 6"ø P-TRAP OUTLET TO SEWER. PROVIDE WATERPROOFING PER SPECIFICATIONS. COORDINATE WITH STRUCTURAL AND PLUMBING PLANS.
13. (2 / MR-6) (3 / MR-6) PUMP PIT: 6'-0"x12'-6"x6'-0" DEEP. PROVIDE 1½"ø GALV. STEEL GUARDRAIL. PROVIDE FLOOR DRAIN TO WASTE. PROVIDE WATERPROOFING PER SPECIFICATIONS. ACCESS LADDER TO BE 'FIBERGRATE' DYNARAIL FRP OR EQUAL.
14. (5 / MR-6) EYEWASH/SHOWER: HAWS MODEL #8308UC BARRIER FREE COMBINATION SHOWER AND EYE/FACE WASH WITH CORROSION RESISTANT PROTECTION. SEE MEP SHEETS FOR WATER SUPPLY PIPING. THREE (3) TOTAL.

HEATER/GAS PIPING INSTALLATION NOTE

GAS FIRED POOL HEATER(S) INSTALLED ON A GAS SUPPLY SYSTEM UTILIZING A 2 PSI OR 5 PSI SUPPLY, GAS PRESSURE SHALL REQUIRE A REGULATOR TO REDUCE THE SUPPLY PRESSURE. A PROPERLY SIZED AND INSTALLED LOCK-UP-TYPE HIGH GAS PRESSURE REGULATOR (HGPR) SHALL BE USED TO REDUCE THE GAS PRESSURE AT THE UNIT INLET TO A MAXIMUM OF Ø.5" WATER COLUMN.

'LOCHINVAR' RECOMMENDS THAT ANY REQUIRED LINE LOCK-UP-TYPE HIGH GAS PRESSURE REGULATOR BE INSTALLED WITH A MINIMUM OF 8 FEET TO 10 FEET OF PIPE FROM ITS DISCHARGE TO THE UNIT'S GAS INLET. IF A STRAIGHT DISTANCE OF GAS PIPE IS NOT AVAILABLE THE ADDITION OF A VERTICAL 'U' IN THE GAS PIPING DOWN STREAM FROM THE 'HGPR' CAN BE USED TO ACHIEVE THE 8 FEET TO 10 FEET OF DISTANCE.

NOTE:
REFER TO MECHANICAL PLANS FOR HEATER VENTING, EXHAUST DUCTING, FLUE TERMINUS AND PENETRATION(S) THROUGH BUILDING STRUCTURE.



MECHANICAL ROOM LAYOUT PLAN

1 — 3/8" = 1'-0"

REVISION DATES (DESIGN STAGE ONLY)

TEMPLATE SHEET REVISION DATE: 08/2014
REVISION DATE: 11/20/2016 8:13 AM FILE: Z:\DRAWINGS\RECREATION N-Z\RANCHO CIENEGA\ARC-MR1.DWG

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NO. | REVISIONS: | DATE: | BY:

BUILDING NO.

INDEX NO. RP 300094

LICENSED ARCHITECT — JAMES J. FERRELL — C-26222 — REN. 08/31/17 — STATE OF CALIFORNIA

GARY LEE MOORE, PE, ENV SP CITY ENGINEER
ARCHITECTURAL DIVISION
ARCHITECT: SCOTT FERRELL LIC. NO. C-26222 DATE:
DESIGNED BY:
DRAWN BY:
CHECKED BY:
APPROVED BY: MAHMOOD KARIMZADEH, A.I.A., PRINCIPAL ARCHITECT

VERTICAL CONTROL:
HORIZONTAL CONTROL:

SHEET TITLE: MECHANICAL ROOM LAYOUT PLAN

PROJECT: RANCHO CIENEGA SPORTS COMPLEX

ADDRESS: 5001 RODEO ROAD LOS ANGELES, CA 90016

BUREAU OF ENGINEERING — OFFICIAL RECORD

WORK ORDER NO. E1907694
PLAN FILE NO.
DRAWING NO. MR-1
SHEET SHEETS OF

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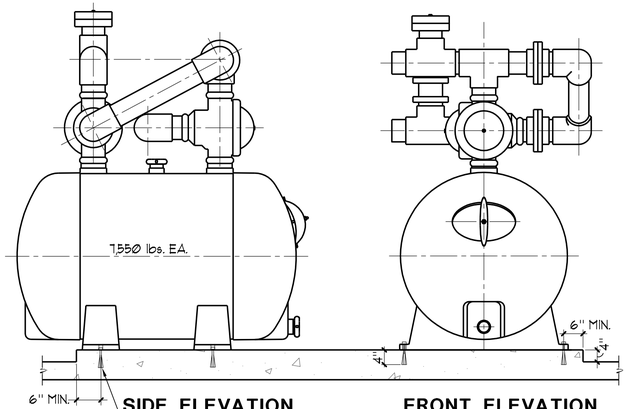
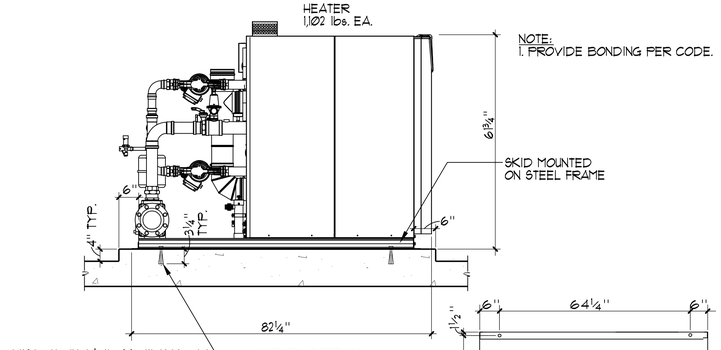


SIDE ELEVATION **FRONT ELEVATION**

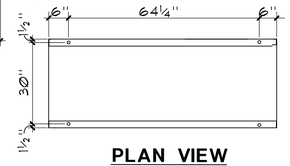
FOUR (4)-⅝"ø x 4" MIN. EMBED.
STAINLESS STEEL HILTI KB TZ EXPANSION ANCHORS
SPECIAL INSPECTION REQUIRED (ICC ESR-1917)

1 FILTER ANCHORAGE

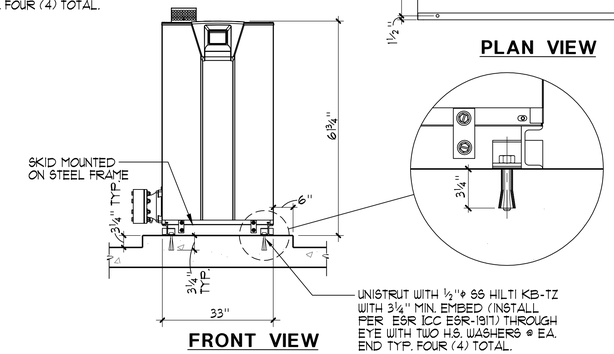
NO SCALE



SIDE VIEW



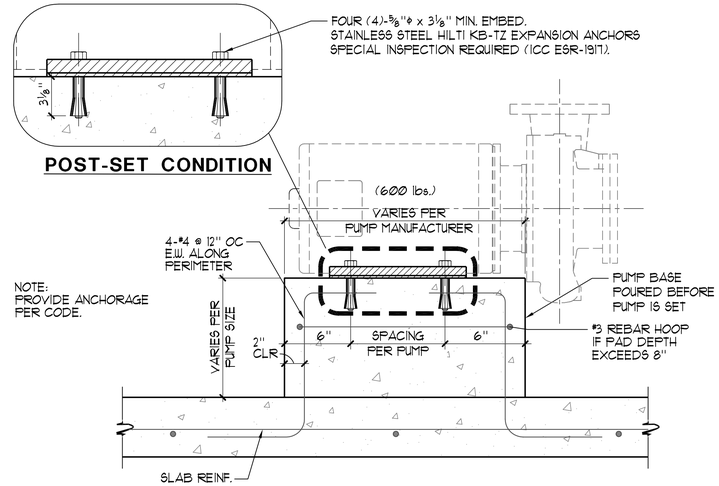
PLAN VIEW



FRONT VIEW

2 HEATER ANCHORAGE

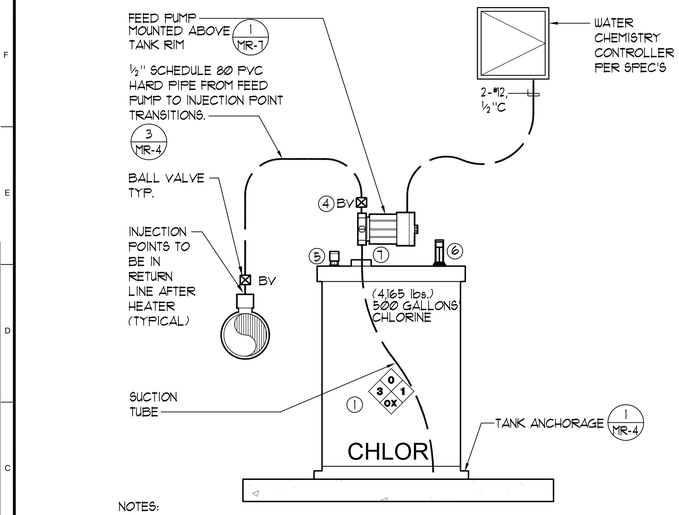
NO SCALE



POST-SET CONDITION

3 PUMP ANCHORAGE

NO SCALE

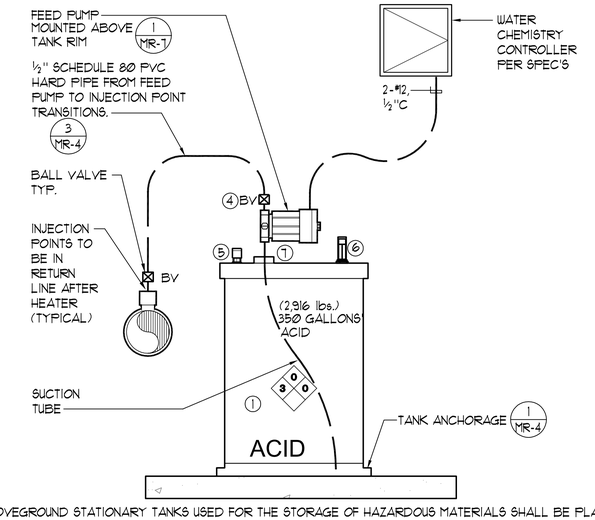


NOTES:

1. ABOVEGROUND STATIONARY TANKS USED FOR THE STORAGE OF HAZARDOUS MATERIALS SHALL BE PLACARDED WITH HAZARD IDENTIFICATION SIGNS AS SPECIFIED IN C.F.C. STANDARD 79-3 FOR THE SPECIFIC MATERIAL CONTAINED. SIGNS SHALL BE DURABLE. THE SIZE, COLOR AND LETTERING SHALL BE IN ACCORDANCE WITH NATIONALLY RECOGNIZED STANDARDS.
2. PIPING, TUBING, VALVES AND RELATED COMPONENTS SHALL BE SEISMIC BRACED.
3. PIPING AND TUBING SHALL BE IDENTIFIED TO INDICATE THE MATERIAL CONVEYED.
4. EMERGENCY SHUTOFF VALVES SHALL BE IDENTIFIED AND THE LOCATION SHALL BE CLEARLY VISIBLE AND INDICATED BY MEANS OF A SIGN.
5. PROVIDE 2" 'CAMLOCK' FILL PORT PER VENDOR'S REQUIREMENTS.
6. 'AT-A-GLANCE' CHEMICAL GUAGE BY KRUEGER SENTRY GAUGE CO. INC.
7. PROVIDE VAPORLOC CAP @ TUBING ENTRANCE

4 SODIUM HYPOCHLORITE FEED SCHEMATIC

NO SCALE



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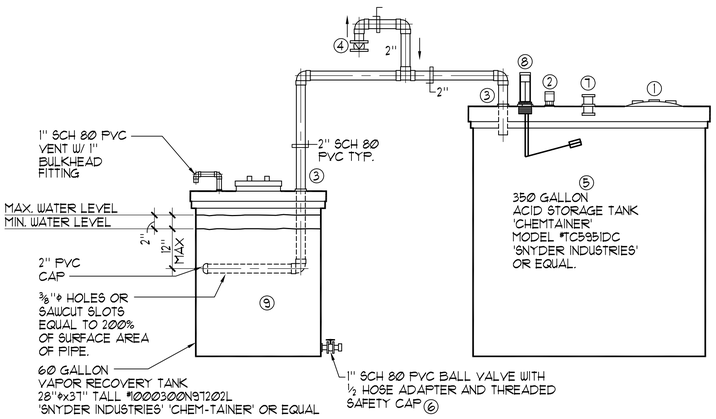
5. PROVIDE 2" 'CAMLOCK' FILL PORT PER VENDOR'S REQUIREMENTS.
6. 'AT-A-GLANCE' CHEMICAL GUAGE BY KRUEGER SENTRY GAUGE CO. INC.
7. PROVIDE VAPORLOC CAP @ TUBING ENTRANCE
8. MURIATIC ACID SOLUTION SHALL BE DILUTED TO A MAXIMUM 10% SOLUTION OR SOLUTION STRENGTH BELOW THE OFF-GASSING THRESHOLD. IN OFF-GASSING CONDITIONS PROPER VENTILATION SHALL BE PROVIDED.

5 MURIATIC ACID FEED SCHEMATIC

NO SCALE

1. SEAL NON-VENTED MANWAY AND PERMANENTLY CLOSE.
2. PROVIDE CAMLOCK FITTING FOR FILL HOSE.
3. PROVIDE 2" BULKHEAD FITTING.
4. PROVIDE 2" BALL CHECK VALVE.
5. PROVIDE DOUBLE WALLED DUAL CONTAINMENT TANK.
6. PROVIDE ¾"x100' HOSE W/ NON-CORROSIVE ENDS.
7. PROVIDE 2" BULKHEAD FITTING WITH 'VAPORLOC' SYSTEM FOR FEED PUMP SUCTION LINE(S).
8. PROVIDE 'AT-A-GLANCE CHEMICAL GAUGE' BY KRUEGER SENTRY GAUGE CO. INC.
9. PROVIDE SODIUM CARBONATE OR SODIUM BICARBONATE SOLUTION IN VAPOR RECOVER TANK.



6 VAPOR RECOVERY TANK

1/16"=1'-0"

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CITY OF LOS ANGELES

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BUILDING NO.

INDEX NO. RP 300094

LICENSED ARCHITECT GARY L. MOORE C-26222 REN. 08/31/17 STATE OF CALIFORNIA

GARY LEE MOORE, PE, ENV SP CITY ENGINEER DATE:
ARCHITECT: SCOTT FERRELL LIC. NO. C-26222 ARCHITECTURAL DIVISION DATE:
DESIGNED BY:
DRAWN BY:
CHECKED BY:
APPROVED BY: MAHMOOD KARIMZADEH, A.I.A., PRINCIPAL ARCHITECT

VERTICAL CONTROL:
HORIZONTAL CONTROL:

SHEET TITLE: DETAILS

PROJECT: RANCHO CIENEGA SPORTS COMPLEX

ADDRESS: 5001 RODEO ROAD
LOS ANGELES, CA 90016

WORK ORDER NO. E1907694

PLAN FILE NO.

DRAWING NO. MR-3

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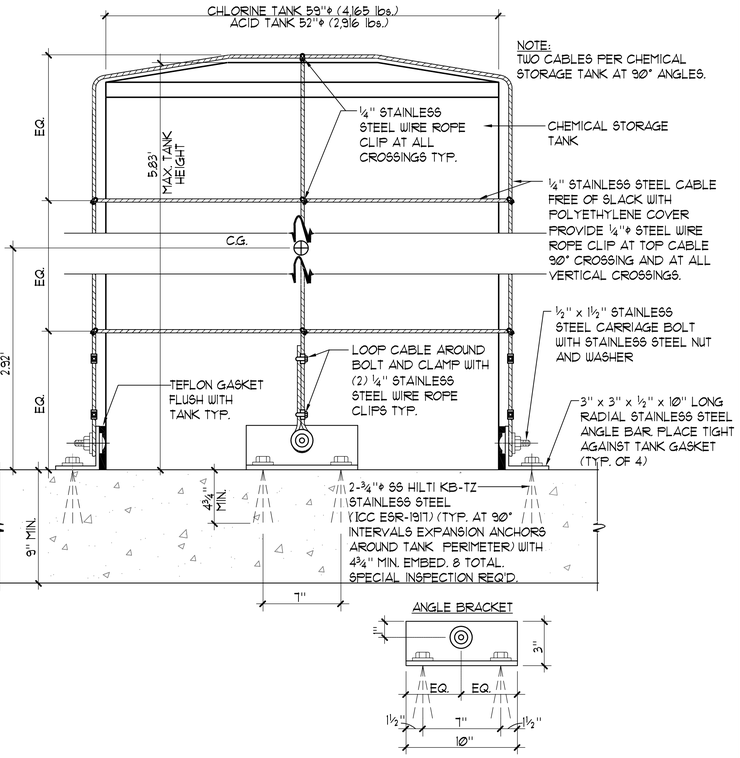


1 **CHEMICAL TANK ANCHOR (TYP. 2 TANKS)** NO SCALE

CHEMICAL CLASSIFICATION TABLE

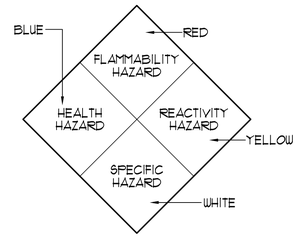
COMMON NAME	CHEMICAL NAME	% COMP.	CAS #	FORM	QUANT. STORED	QUANT. IN USE (OPEN/ CLOSED)	LOCATION (STORAGE & USE)	HAZ. CLASSES	JUSTIFICATION
CALCIUM HYPOCHLORITE	CALCIUM HYPOCHLORITE	58%	7778-54-3	SOLID	1,000 GAL.	500 GAL.	MECH. ROOM	OXIDIZER (CLASS I)	MSDS
MURIATIC ACID	HYDROCHLORIC ACID	25%	7647-01-0	LIQUID	350 GAL.	350 GAL.	CHEM. ROOM	CORROSIVE LIQUID	MSDS

QUANTITIES OF CHEMICALS DO NOT EXCEED THE QUANTITIES LISTED IN IBC TABLES 307.1 (1) AND 307.1 (2).

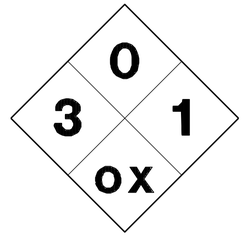
RATING EXPLANATION GUIDE

RATING	HEALTH HAZARD	FLAMMABILITY HAZARD	REACTIVITY HAZARD	SPECIFIC HAZARD	
4	CAN BE LETHAL	EXTREMELY FLAMMABLE. IGNITES AT BELOW 73° F.	MAY EXPLODE AT NORMAL TEMPERATURES AND PRESSURES	OXIDIZER:	OX
3	CAN CAUSE SERIOUS OR PERMANENT INJURY	IGNITES AT ABOVE 73° F, BELOW 100° F.	MAY EXPLODE AT HIGH TEMPERATURES OR SHOCK	ACID:	ACID
2	CAN CAUSE TEMPORARY INCAPACITATION OR RESIDUAL INJURY	IGNITES AT ABOVE 100° F, BELOW 200° F.	VIOLENT CHEMICAL CHANGE AT HIGH TEMPERATURES OR PRESSURES	CORROSIVE:	COR
1	CAN CAUSE SIGNIFICANT IRRITATION	IGNITES AT ABOVE 200° F.	NORMALLY STABLE. HIGH TEMPERATURES MAKE UNSTABLE	ALKALI:	ALK
0	NO HAZARD	WILL NOT BURN	STABLE	USE NO WATER:	W
				RADIATION HAZARDS:	
				POLYMERIZES:	P

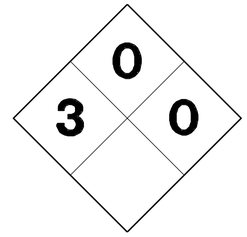
NOTES:
1. CONFIRM SIGNAGE WITH LOCAL FIRE MARSHALL AND/OR BUILDING CODES PRIOR TO INSTALLATION. SIGNS SHALL CONFORM TO NFPA 704.
2. SIGNS SHALL BE SIZES AND COLORS PER CODE MOUNTED AT +60" A.F.F. ON DOORS AT CHEMICAL ROOMS.



LEGEND

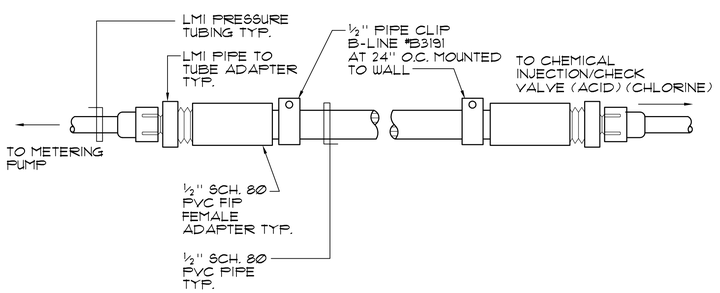


CALCIUM HYPOCHLORITE

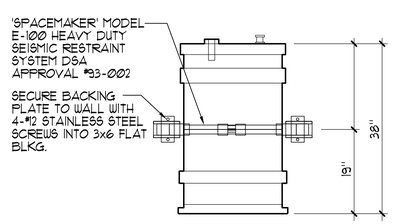


MURIATIC ACID

2 **HAZARDOUS INFORMATION SIGNAGE** NO SCALE



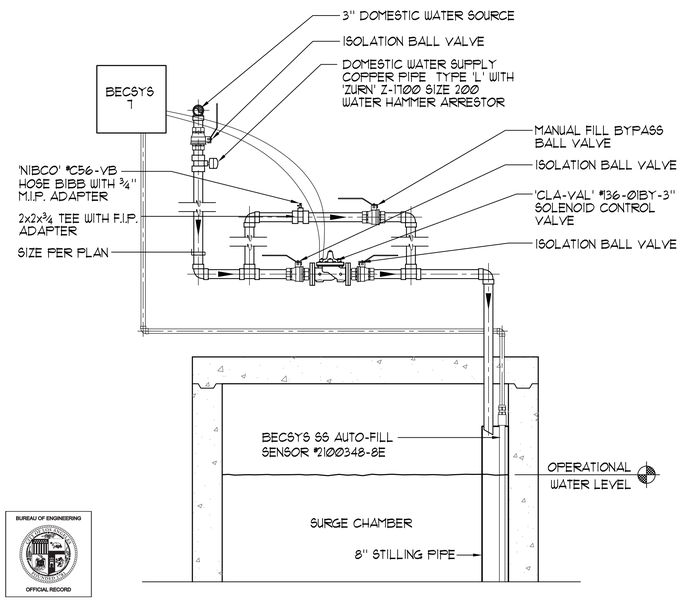
3 **CHEMICAL FEED PIPING DETAIL** NO SCALE



1 **FRONT ELEVATION**
¾"=1'-0"

2 **TANK ISOMETRIC**
NO SCALE

4 **ACID VPOR RECOVERY ANCHORAGE DETAIL** AS NOTED



BUREAU OF ENGINEERING OFFICIAL RECORD

5 **AUTOMATIC/MANUAL WATER MAKE-UP SCHEMATIC** NO SCALE

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BUREAU OF ENGINEERING

LA DPW ENGINEERING TRANSFORMING LOS ANGELES

NO.	REVISIONS:	DATE:	BY:

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INDEX NO. RP 300094

LICENSED ARCHITECT J. SCOTT FERRELL REG. NO. C-26222 STATE OF CALIFORNIA

GARY LEE MOORE, PE, ENV SP CITY ENGINEER
ARCHITECTURAL DIVISION
ARCHITECT: SCOTT FERRELL LIC. NO. C-26222 DATE:
DESIGNED BY:
DRAWN BY:
CHECKED BY:
APPROVED BY: MAHMOOD KARIMZADEH, A.I.A., PRINCIPAL ARCHITECT

SHEET TITLE: DETAILS
PROJECT: RANCHO CIENEGA SPORTS COMPLEX
ADDRESS: 5001 RODEO ROAD LOS ANGELES, CA 90016

VERTICAL CONTROL:
HORIZONTAL CONTROL:

WORK ORDER NO. E1907694
PLAN FILE NO.
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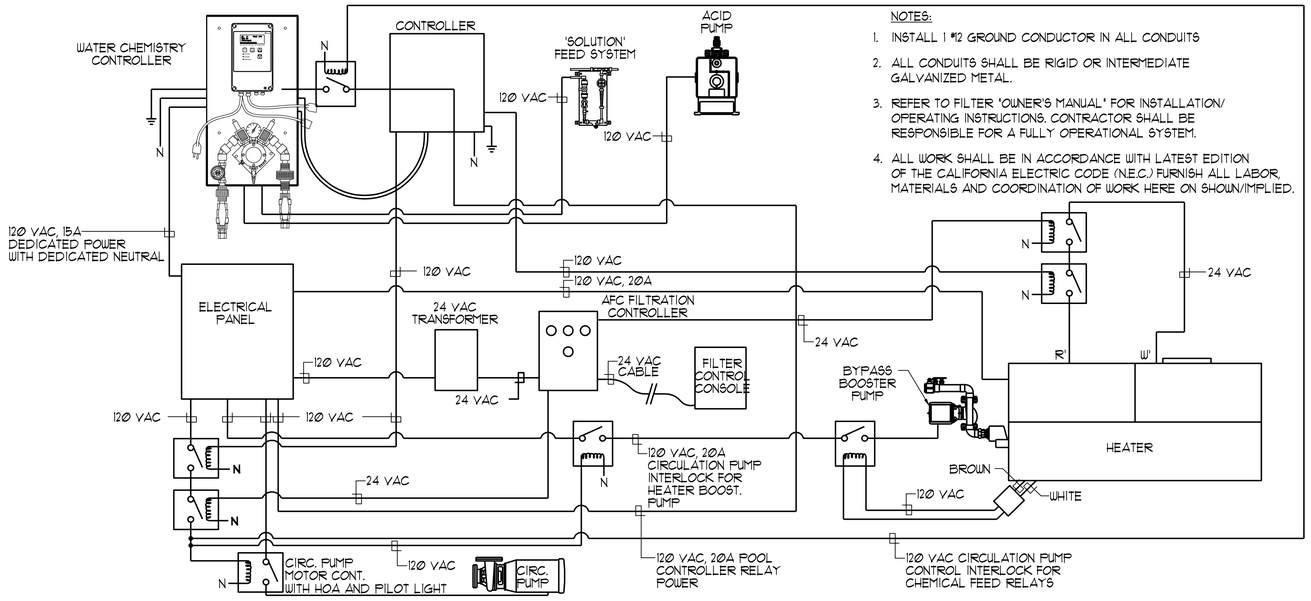


1 POOL MECHANICAL ELECTRICAL INTERCONNECTION DIAGRAM

NO SCALE

DESIGNATION: 'SP'

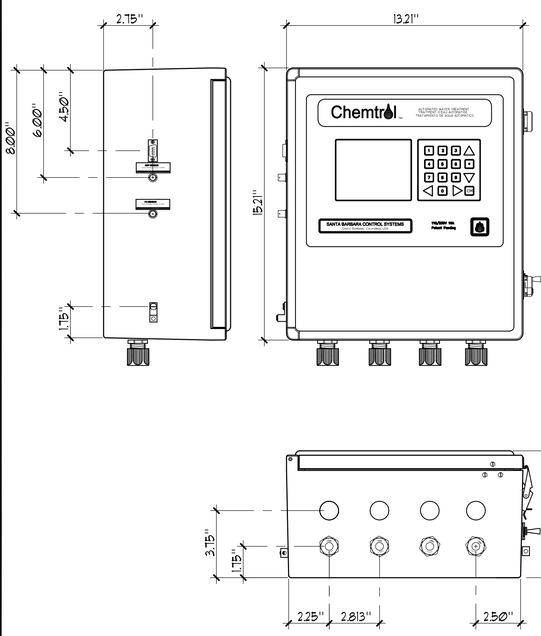
VOLTAGE: 120/208V 3PH 4W
150 AMP ☒MAIN BREAKER ☐MAIN LUG
☐RECESSED ☒SURFACE

LOCATION: MECHANICAL EQUIP. RM.
MINIMUM DEVICE A.I.C. RATING ☒10,000 ☐14,000
PANELBOARD KEY NOTES: (1) ○ ○ ○

DESCRIPTION:	C/B	CIR NO.	φ A	φ B	φ C	CIR NO.	C/B	DESCRIPTION:
UNDERWATER LIGHTS	(1) 20/1	1	464			2	20/1	FILTER AFC (1)
		3	1200	464		4		FILTER PRESS. AMP
		5		1200	174	6		WATER CHEM. CONTROLLER
DECK RECEPTACLES		7	1080		1200	8		WATER CHEM. RELAY
		9	360	1080		10		CIRC PUMP INTERCONN.
TIMING SYSTEM SCOREBOARD		11		360	720	12		CIRC PUMP MTR CONTROL
		13	720		360	14		HEATER IGNIT/FAN
CHLORINE FEED		15	1440	960		16		HEATER RECIRC.
CO2 FEED	20/	17		1440	1320	18		HEATER IGNIT/FAN
1-1/2 HP	2/	19	1320		1440	20		HEATER RECIRC.
ACID FEED	20/	21	1440	720		22		SPARE
SPARE	(1) 20/1	23		720	720	24		
SPACE		25				26		SPACE
		27				28		
		29				30		
		31				32		
		33				34		
		35				36		
		37				38		
		39				40		
		41				42		
TOTAL PER PHASE			8024	6944	6654			8890 ÷ 120v = 74 AMPS
+ 25% L.C.L.			866	1046	884			
TOTAL			8890	7990	7538			

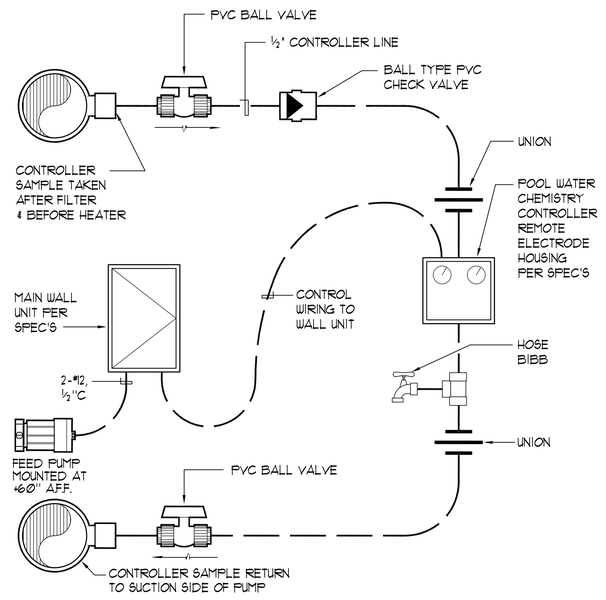
(1) GFI CIRCUIT

2 PANEL SCHEDULE



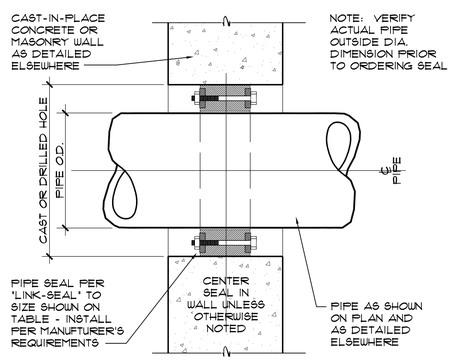
3 WATER CHEMISTRY CONTROLLER

NO SCALE



4 WATER CHEMISTRY CONTROLLER SCHEMATIC

NO SCALE



PIPE SIZE (NOMINAL)	OUTSIDE DIAMETER (PIPE OD)	CAST OR DRILLED CONCRETE HOLE DIA (ID)	LINK SEAL SIZE NO.	NO. OF LINKS PER SEAL
½"	0.840	2.0	LS-200	4
¾"	1.050	2.5	LS-275	5
1"	1.315	3.0	LS-300	4
1¼"	1.660	3.0	LS-275	7
1½"	1.900	3.5	LS-300	5
2"	2.375	4.0	LS-300	6
2½"	2.875	4.0	LS-100	9
3"	3.50	5.0	LS-300	8
3½"	4.00	6.0	LS-325	5
4"	4.50	6.0	LS-300	10
5"	5.563	8.0	LS-425	6
6"	6.625	10.0	LS-475	10
8"	8.625	12.0	LS-475	12
10"	10.75	14.0	LS-400	10
12"	12.75	16.0	LS-400	12
14"	14.00	16.0	LS-325	15
16"	16.00	18.0	LS-325	17
18"	18.00	23.0	LS-500	16
20"	20.00	25.0	LS-500	18
22"	22.00	27.0	LS-500	19
24"	24.00	29.0	LS-500	21
26"	26.00	31.0	LS-500	23
28"	28.00	33.0	LS-500	24
30"	30.00	35.0	LS-500	26
32"	32.00	37.0	LS-500	28
34"	34.00	39.0	LS-500	29
36"	36.00	41.0	LS-500	30

5 PIPE SEAL TO WALL / FLOOR

NO SCALE

BID SET

CITY OF LOS ANGELES — DEPARTMENT OF PUBLIC WORKS — BUREAU OF ENGINEERING

GARY LEE MOORE, PE, ENV SP CITY ENGINEER
ARCHITECTURAL DIVISION
LIC. NO. C-26222

ARCHITECT: SCOTT FERRELL
DESIGNED BY:
DRAWN BY:
CHECKED BY:
APPROVED BY: MAHMOOD KARIMZADEH, A.I.A., PRINCIPAL ARCHITECT

SHEET TITLE: DETAILS

PROJECT: RANCHO CIENEGA SPORTS COMPLEX

ADDRESS: 5001 RODEO ROAD
LOS ANGELES, CA 90016

VERTICAL CONTROL:
HORIZONTAL CONTROL:

WORK ORDER NO. E1907694
PLAN FILE NO.
DRAWING NO. MR-5
SHEET OF SHEETS

BUILDING NO.
INDEX NO. RP 300094

LA DPW ENGINEERING TRANSFORMING LOS ANGELES

DATE: BY:
NO. REVISIONS:

LICENSED ARCHITECT SCOTT FERRELL C-26222 REG. EXPIRES 7-31-2017 STATE OF CALIFORNIA

BUREAU OF ENGINEERING OFFICIAL RECORD

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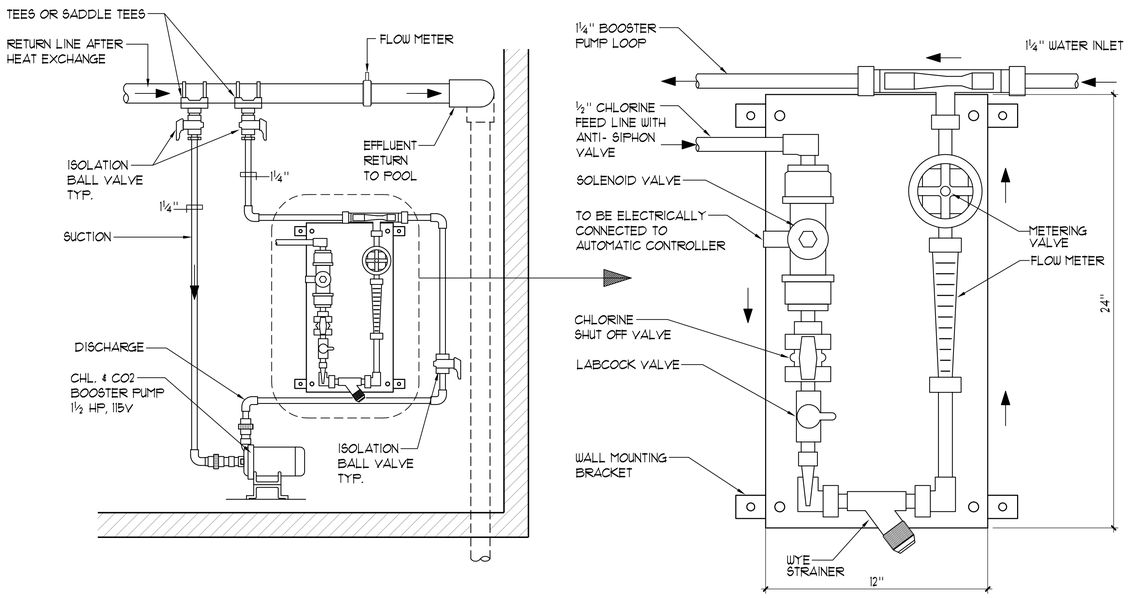
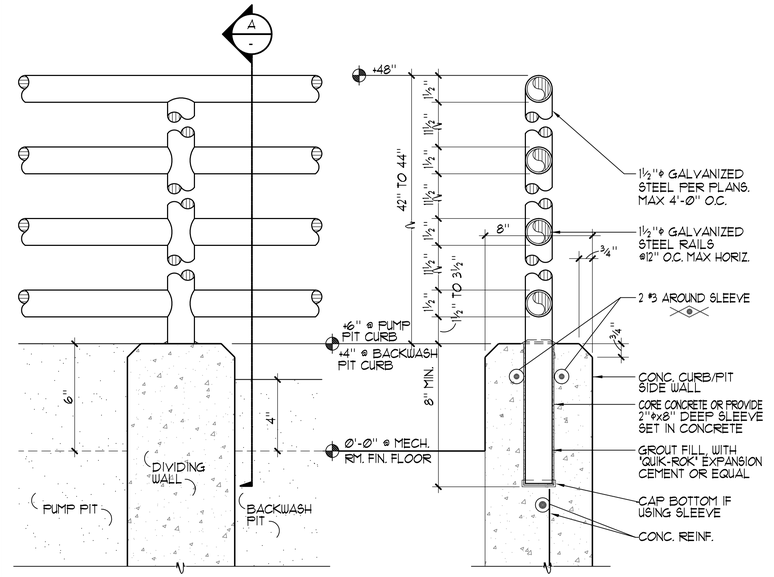


1 'THE SOLUTION' CHLORINE FEED DETAIL

NO SCALE



ELEVATION AT PUMP PIT

A GUARDRAIL SECTION

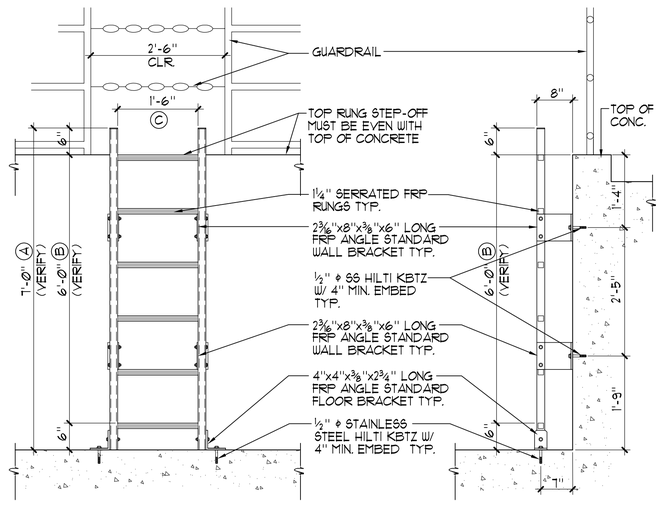
2 PIT GUARD RAIL

3"=1'-Ø"

CONTRACTOR TO VERIFY:

- (A) OVERALL LADDER HEIGHT
- (B) F.F. TO TOP OF PUMP PIT
- (C) LADDER WIDTH

'FIBERGRATE' DYNARAIL FRP ACCESS LADDER. COLOR TO BE GRAY.



1 FRONT ELEVATION

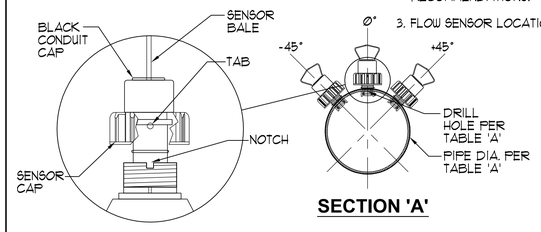
2 SIDE ELEVATION

3 PUMP PIT ACCESS LADDER

¾"=1'-Ø"

NOTES:

1. HORIZONTAL PIPE RUNS: MOUNT SENSOR IN -45°, Ø°, OR +45° POSITION PER MANUFACTURER'S RECOMMENDATIONS.
2. VERTICAL PIPE RUNS: MOUNT SENSOR IN ANY ORIENTATION PER MANUFACTURER'S RECOMMENDATIONS.
3. FLOW SENSOR LOCATION PER PLAN

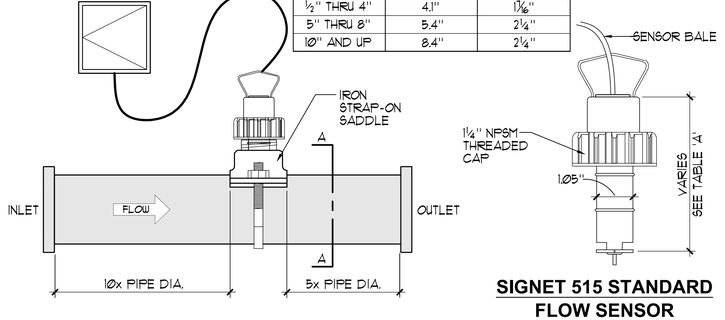


SECTION 'A'

FLOW DISPLAY

AUTOMATIC FILTER = FILTER CONTROLLER
MANUAL FILTER = 'SIGNET' 3-5090

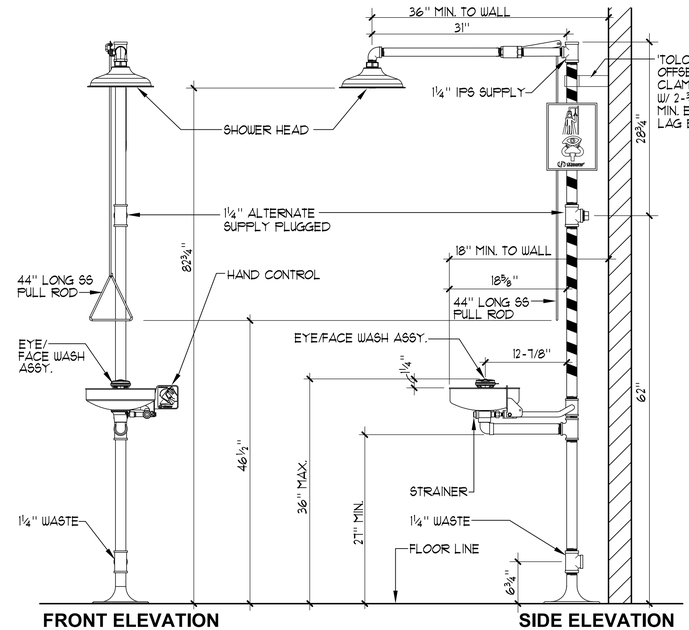
SIGNET 515 - TABLE 'A'		
PIPE DIA.	FLOWSENSOR LENGTH	DRILL HOLE
½" THRU 4"	4.1"	1⅞"
5" THRU 8"	5.4"	2¼"
10" AND UP	8.4"	2¼"



SIGNET 515 STANDARD FLOW SENSOR

4 SIGNET FLOWMETER

NO SCALE



FRONT ELEVATION

SIDE ELEVATION

PLAN VIEW

'HAWS' MODEL 830WC SHOWER OR EQUAL

5 TYPICAL EYEWASH / SHOWER DETAIL

NO SCALE

BUREAU OF ENGINEERING

LA DPW ENGINEERING TRANSFORMING LOS ANGELES

DATE: BY:

NO. REVISIONS:

BUILDING NO.

INDEX NO. RP 300094

LICENSED ARCHITECT SCOTT J. FERRELL REN. 08/31/17 C-28222 STATE OF CALIFORNIA

BUREAU OF ENGINEERING OFFICIAL RECORD

CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS

GARY LEE MOORE, PE, ENV SP CITY ENGINEER

DATE:

ARCHITECT: SCOTT FERRELL
ARCHITECTURAL DIVISION
LIC. NO. C-28222

DESIGNED BY:

DRAWN BY:

CHECKED BY:

APPROVED BY: MAHMOOD KARIMZADEH, A.I.A., PRINCIPAL ARCHITECT

BID SET

VERTICAL CONTROL:
HORIZONTAL CONTROL:

SHEET TITLE: DETAILS

PROJECT: RANCHO CIENEGA SPORTS COMPLEX

ADDRESS: 5001 RODEO ROAD
LOS ANGELES, CA 90016

WORK ORDER NO. E1907694

PLAN FILE NO.

DRAWING NO. MR-6

SHEET OF SHEETS

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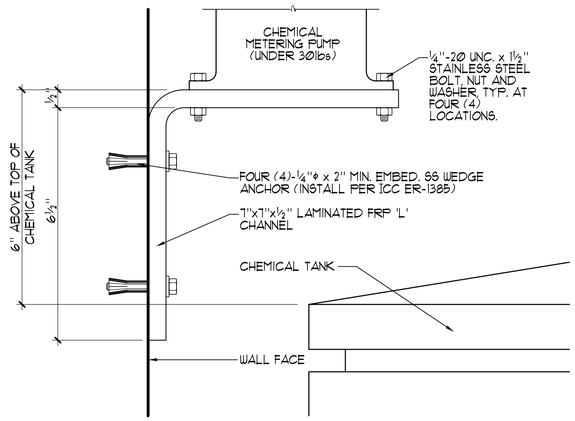
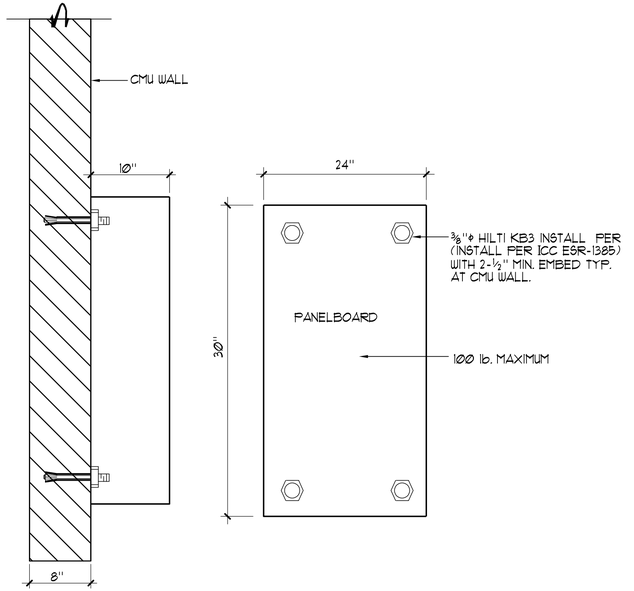
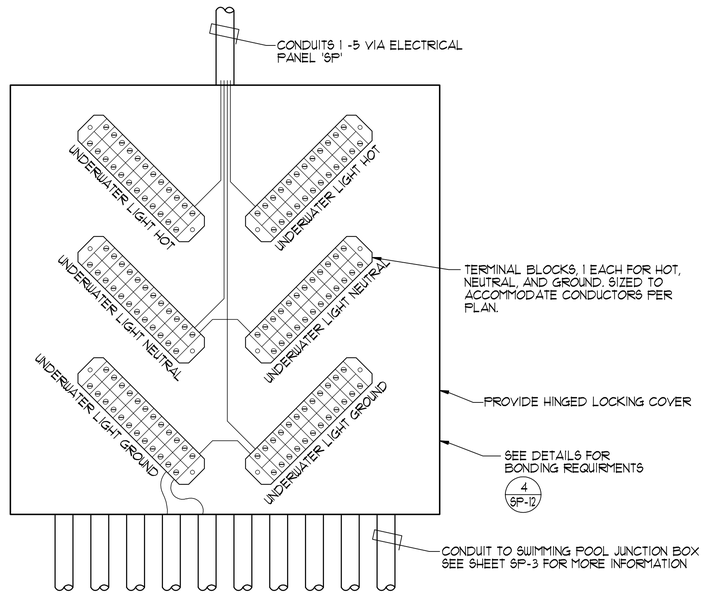


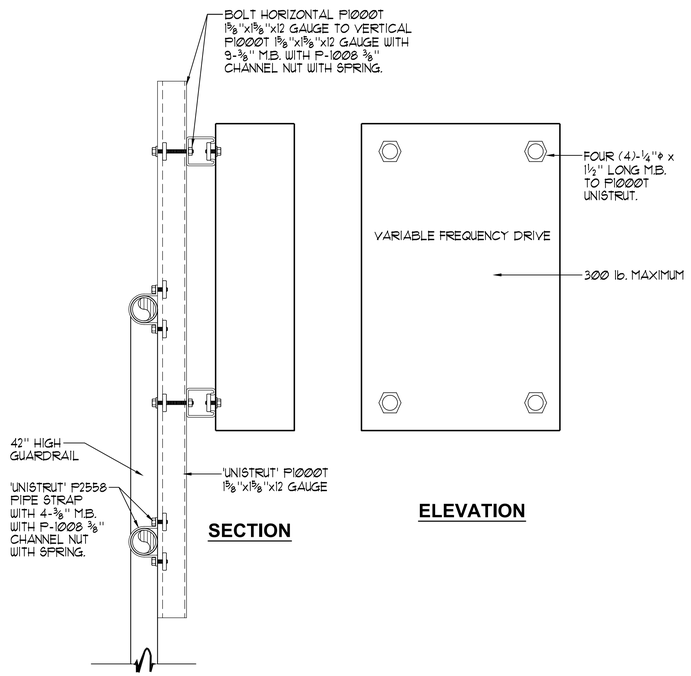
1 CHEMICAL PUMP SHELF 6"=1'-0"



SECTION **ELEVATION**

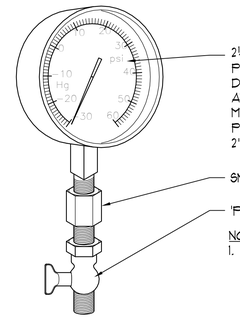


2 UNDERWATER LIGHT CONTACTOR PANEL NO SCALE



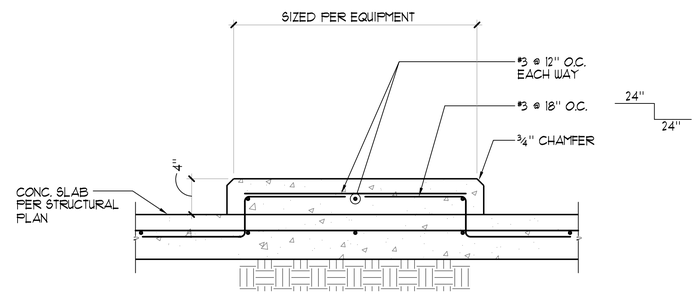
SECTION **ELEVATION**

NO SCALE



NOTES:
1. PRESSURE GAUGES SHALL BE INSTALLED BY MEANS OF DRILLING AND TAPPING PIPE TO BE MONITORED. THE GAUGE SHALL THEN BE THREADED INTO THE PIPE. PROVIDE WITH SNUBBER AND PET COCK.
2. GAUGE MAY BE USED WHEREVER CRUCIAL VACUUM OR PRESSURE READINGS ARE ESSENTIAL.

3 VACUUM / PRESSURE GAUGE 6"=1'-0"



4 PANELBOARD MOUNTING DETAIL NO SCALE

5 VARIABLE FREQUENCY DRIVE PANEL MOUNTING DETAIL NO SCALE

6 TYPICAL MECHANICAL PAD 1½" = 1'-0"

REVISION DATES (DESIGN STAGE ONLY)

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OFFICIAL RECORD

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CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS BUREAU OF ENGINEERING

LA DPW ENGINEERING TRANSFORMING LOS ANGELES

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△5			

BUILDING NO.

INDEX NO. RP 300094

LICENSED ARCHITECT GARY L. MOORE FOREIGN REG. C-22222 REN. 12/31/17 STATE OF CALIFORNIA

GARY LEE MOORE, PE, ENV SP CITY ENGINEER
ARCHITECTURAL DIVISION LIC. NO. C-28222 DATE:

ARCHITECT: SCOTT FERRELL
DESIGNED BY:
DRAWN BY:
CHECKED BY:
APPROVED BY: MAHMOOD KARIMZADEH, A.I.A., PRINCIPAL ARCHITECT

VERTICAL CONTROL:
HORIZONTAL CONTROL:

SHEET TITLE: DETAILS

PROJECT: RANCHO CIENEGA SPORTS COMPLEX

ADDRESS: 5001 RODEO ROAD
LOS ANGELES, CA 90016

WORK ORDER NO. E1907694

PLAN FILE NO.

DRAWING NO. MR-7

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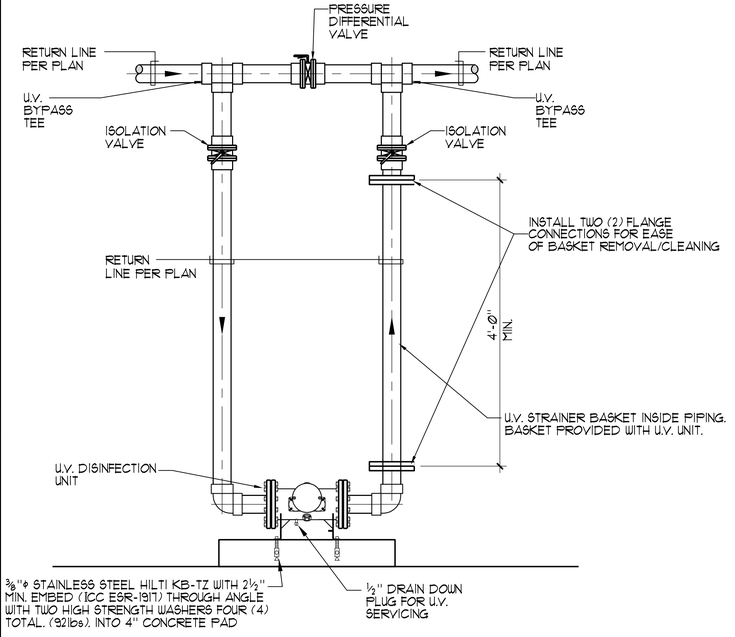
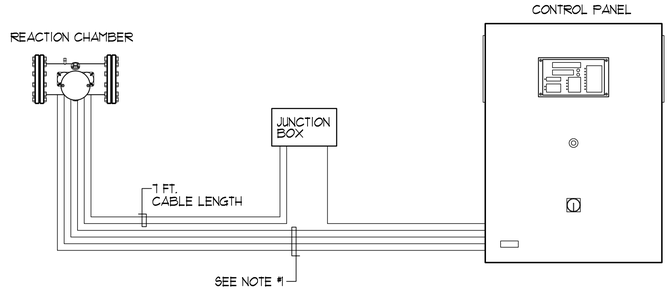


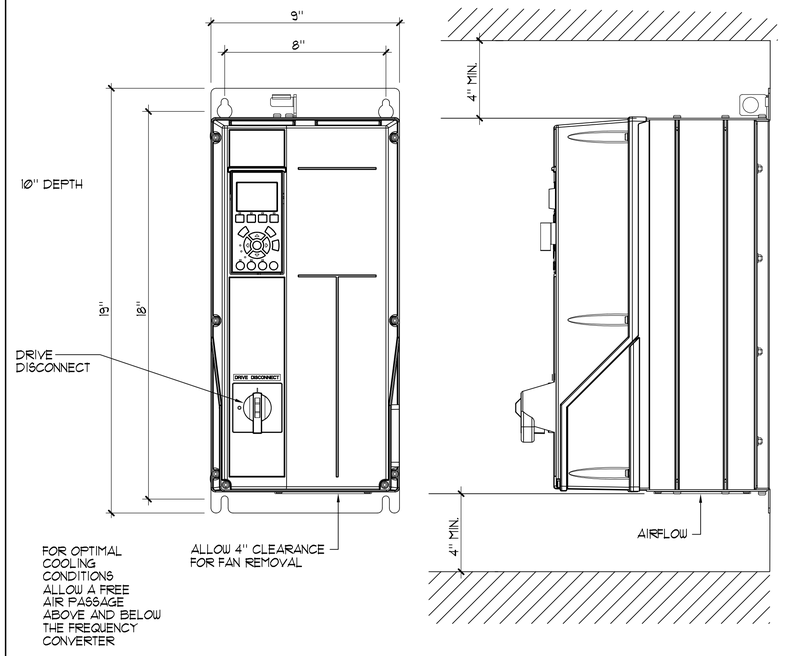
1 ECP U.V. DISINFECTION UNIT INSTALATION DETAIL NO SCALE



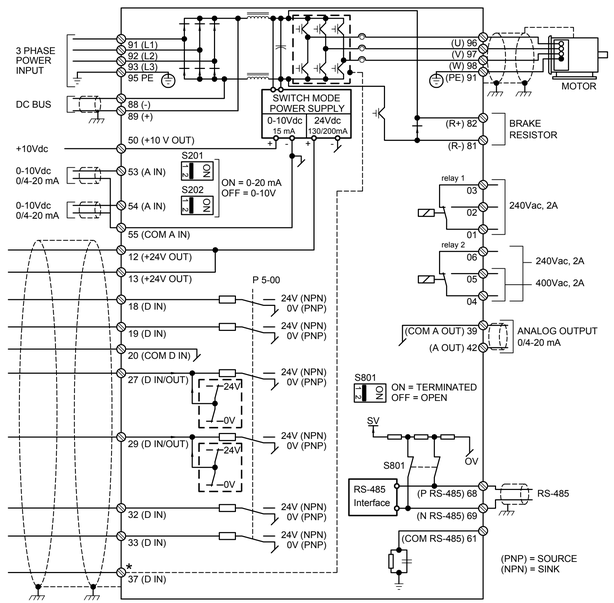
NOTES:

1. STANDARD CABLE LENGTH FROM REACTION CHAMBER TO CONTROL PANEL IS 16 FEET. OPTIONAL CABLE LENGTHS AVAILABLE IN 33 FT, 66 FT, AND 164 FT.
2. SEE SPECIFICATIONS FOR BARRIER M UNIT, CONTROL PANEL, AND JUNCTION BOX DIMENSIONS.

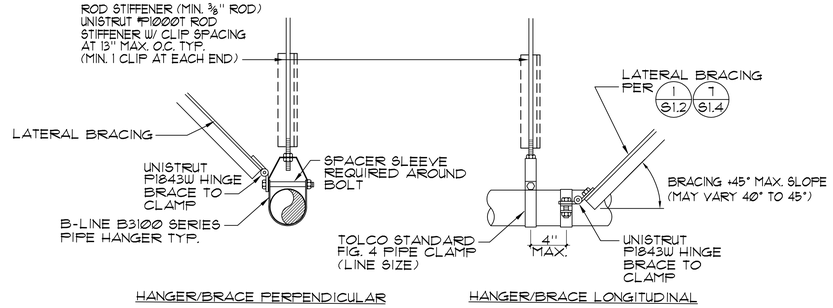
2 U.V. DISINFECTION UNIT TYPICAL INSTALLATION NO SCALE



3 VARIABLE SPEED DRIVE PANEL NO SCALE



4 TYPICAL VARIABLE SPEED DRIVE WIRING SCHEMATIC NO SCALE



HANGER/BRACE PERPENDICULAR

HANGER/BRACE LONGITUDINAL

NOTE:
REFER TO STRUCTURAL DRAWINGS SHEETS S1.2 DETAIL 1 AND S1.4 DETAIL 2, 6, 7, 11. FOR RODS, STIFFENERS AND BRACING TO . ROOF STRUCTURAL SYSTEMS.

NOTES:

1. SIZE HANGER AND CLAMP TO ADEQUATELY SUPPORT LOAD
2. FOR COPPER TUBING USE COPPER PLATED OR PAINTED B3104CT, FELT LINED B3100F, OR PLASTIC COATED B3100C.
3. PROVIDE BRACING FOR EACH PIPE RUN IN TWO DIRECTIONS.

5 'UNISTRUT' PIPING HANGER/SUPPORT DETAILS NO SCALE

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BUREAU OF ENGINEERING

LA DPW ENGINEERING TRANSFORMING LOS ANGELES

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BUILDING NO.

INDEX NO. RP 300094

LICENSED ARCHITECT GARY L. MOORE C-26222 REN. 08/31/17 STATE OF CALIFORNIA

VERTICAL CONTROL:	
HORIZONTAL CONTROL:	
SHEET TITLE:	DETAILS
PROJECT:	RANCHO CIENEGA SPORTS COMPLEX
ADDRESS:	5001 RODEO ROAD LOS ANGELES, CA 90016

GARY LEE MOORE, PE, ENV SP CITY ENGINEER
ARCHITECTURAL DIVISION
LIC. NO. C-26222 DATE:
ARCHITECT: SCOTT FERRELL
DESIGNED BY:
DRAWN BY:
CHECKED BY:
APPROVED BY: MAHMOOD KARIMZADEH, A.I.A., PRINCIPAL ARCHITECT

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DRAWING NO. MR-8
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DEHUMIDIFICATION AIR HANDLING UNIT SCHEDULE

UNIT TAG	LOCATION	AREA SERVED	MANUFACTURER	MODEL	SUPPLY FAN			MINIMUM OUTSIDE AIR (CFM)	REACTIVATION FAN			DX COOLING COIL								HEATING COIL					ELECTRICAL		WEIGHT (LBS)	NOTES
					TOTAL CFM	ESP (IN. WC)	FAN HP		TOTAL CFM	ESP (IN. WC)	FAN HP	DEHUM (LB/HR)	EDB (F)	EWB (F)	LDB (F)	LWB (F)	APD (IN)	MAX FPM	MRE (LB/KW/H)	REF	TYPE	TOTAL (MBH)	EDB (F)	LDB (F)	APD (IN)	VOLT/PH/HZ	FLA		
AHU-1	POOL ROOF	POOL	MUNTERS	HCUC-1	10,200	1	15	10200 (100% OA)	10,000	-	10	425	80	72	72	56			8.4	R-410A	GAS	900	39.0	104		460/3/60	121	14,500	1

NOTES:
1. DUCT T YPE SMOKE DETECCTRS TO BE PROVIDED IN THE SUPPLY AIR DUCT AT THE UNIT.

AIR-HANDLING UNIT SCHEDULE

UNIT TAG	LOCATION	AREA SERVED	MANUFACTURER	MODEL	SUPPLY FAN			MINIMUM OUTSIDE AIR (CFM)	RETURN FAN			DX COOLING COIL									HEATING COIL						ELECTRICAL		WEIGHT (LBS)	NOTES
					TOTAL CFM	ESP (IN. WC)	FAN HP		TOTAL CFM	ESP (IN. WC)	FAN HP	TOTAL (MBH)	SENSIBLE (MBH)	EDB (F)	EWB (F)	LDB (F)	LWB (F)	APD (IN)	MAX FPM	OAT DB/WB (F)	EER	REF	TYPE	TOTAL (MBH)	EDB (F)	LDB (F)	APD (IN)	COP	VOLT/PH/HZ	FLA		
AHU-2	POOL ROOF	POOL	TRANE	YHD210	7,500	1.5		-	-	-	-	235	150	84	73	65	65			90/73	11.8	R-410A	GAS	200	80.0	105		-	230/3/60	90	2,350	1, 2
AHU-3	POOL ROOF	POOL	GREENHECK	QEI-33	20,000	1.5	15	3,600	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	460/3/60	21	1,400	1, 2
AHU-4	GYM ROOF	GYMNASIUM	AAON	AAON RN-031	8,000	1.5	7.5	3,600	4,400	1	2	370	240	82	69	55	54			90/73	10.6	R-410A	HEAT PUMP	247	57	85		2.67	460/3/60	71	6,300	2
AHU-5	GYM ROOF	GYMNASIUM	AAON	AAON RN-031	8,000	1.5	7.5	3,600	4,400	1	2	370	240	82	69	55	54			90/73	10.6	R-410A	HEAT PUMP	247	57	85		2.67	460/3/60	71	6,300	2
AHU-6	POOL ROOF	WEIGHT/COMMUNITY	AAON	AAON RN-016	6,000	1.5	7.5	4,000	4,000	1.3	2 x 2	205	175	87	70	60	60			90/73	10.9	R-410A	HEAT PUMP	215	51.0	85		4.31	460/3/60	47	3,200	2

NOTES:
1. RATED FOR A POOL ENVIRONMENT
2. DUCT T YPE SMOKE DETECOTRS TO BE PROVIDED IN THE SUPPLY AND RETURN (WHERE APPLICABLE) AIR DUCTS AT THE UNIT.

FAN SCHEDULE

ITEM TAG	LOCATION	AREA SERVED	TYPE	MAKE	MODEL	QTY	CFM	ESP (IN)	RPM	MOTOR DATA					WEIGHT (LBS)	NOTES
										HP	VOLT	PHASE	HZ	FLA		
EF-1	POOL ROOF	POOL HALL	INLINE	GREENHECK	QEI-30	1	11,000	1.5	1725	5	460	3	60	7.6	1200	1
EF-2	POOL ROOF	RESTROOMS	UPBLAST	GREENHECK	CUE	1	2,000	0.5	1000	1/2	115	1	60	6.7	110	1
EF-3	POOL ROOF	RESTROOMS	UPBLAST	GREENHECK	CUE	1	2,000	0.5	1000	1/2	115	1	60	6.7	110	1
EF-5	POOL MECH ROOM	POOL MECHANICAL	INLINE	GREENHECK	CSP	1	500	0.25	924	325 W	115	1	60	3.7	50	
EF-6	GYM W RESTROOM	GYM M RESTROOM	UPBLAST	GREENHECK	CUE-90	1	700	0.5	1725	1/6	115	1	60	3.4	60	
EF-7	GYM ROOF	GYM W RESTROOM	UPBLAST	GREENHECK	CUE-90	1	700	0.5	1725	1/6	115	1	60	3.4	60	
EF-8	RESTROOM	STADIUM BUILDING M RESTROOM	DOWNBLAST	GREENHECK	G-085	1	500	0.1	1725	1/10	115	1	60	2.6	50	
EF-9	RESTROOM	STADIUM BUILDING W RESTROOM	DOWNBLAST	GREENHECK	G-085	1	500	0.1	1725	1/10	115	1	60	2.6	50	
EF-10	RESTROOM	STADIUM BUILDING M VIP	DOWNBLAST	GREENHECK	G-060	1	210	0.1	1725	1/10	115	1	60	2.6	40	
EF-11	RESTROOM	STADIUM BJILDING W VIP	DOWNBLAST	GREENHECK	G-060	1	210	0.1	1725	1/10	115	1	60	2.6	40	
EF-12	RESTROOM	TENNIS BUILDING M RESTROOM	SIDEWALL	GREENHECK	SE	1	70	0.1	1725	1/10	115	1	60	2.6	50	2
EF-13	RESTROOM	TENNIS BUILDING W RESTROOM	SIDEWALL	GREENHECK	SE	1	70	0.1	1725	1/10	115	1	60	2.6	50	2
EF-14	SPECTATOR AREA	SPECTATOR AREA	IN LINE TX	ZOO FANS	IC30-MFSILENT	1	200	0.4								
EF-15	SPECTATOR AREA	SPECTATOR AREA	IN LINE TX	ZOO FANS	IC30-MFSILENT	1	200	0.4								
EF-16	SPECTATOR AREA	SPECTATOR AREA	IN LINE TX	ZOO FANS	IC30-MFSILENT	1	200	0.4								
EF-17	SPECTATOR AREA	SPECTATOR AREA	IN LINE TX	ZOO FANS	IC30-MFSILENT	1	200	0.4								
EF-18	WATER TREATMENT ROOM	WATER TREATMENT ROOM	INLINE	GREENHECK	CSP	1	500	0.25	924	325 W	115	1	60	3.7	50	
EF-19	POOL EQUIP TANK 01	POOL EQUIP TANK 01	INLINE	GREENHECK	CSP	1	115	0.25	1100	22.1 W	115	1	60		16	
EF-20	POOL EQUIP TANK 02	POOL EQUIP TANK 02	INLINE	GREENHECK	CSP	1	115	0.25	1100	22.1 W	115	1	60		16	
EF-21	POOL EQUIP TANK 03	POOL EQUIP TANK 03	INLINE	GREENHECK	CSP	1	115	0.25	1100	22.1 W	115	1	60		16	
SF-1	CLASSROOM	CLASSROOM	INLINE	GREENHECK	SQ-60	1	100	0.1	1725	1/10	115	1	60	2.6	40	
SF-2	STAFF OFFICE	STAFF OFFICE	INLINE	GREENHECK	SQ-60	1	100	0.1	1725	1/10	115	1	60	2.6	40	
SF-3	PARK DIRECTOR OFFICE	PARK DIRECTOR OFFICE	INLINE	GREENHECK	SQ-60	1	100	0.1	1725	1/10	115	1	60	2.6	40	
NOTES:																

1. RATED FOR POOL ENVIRONMENT
2. COMPLETE WITH MANUFACTURERS MOTOR GUARD, DAMPER, AND EXTERNAL LOUVER (GREENHECK EDJ)
3. PROVIDE WITH VFD
4. PROVIDE WITH ECM MOTOR

OUTDOOR CONDENSING UNIT

UNIT TAG	MAKE	MODEL	AREA SERVED	TOTAL CAPACITY		OUTSIDE CONDITIONS			SOUND LEVEL	DIMENSIONS				VOLT/PHASE/HZ	MCA/ MOCP	REFRIGERENT TYPE	NOTES
				COOLING (BTU)	HEATING (BTU)	COOLING DRY BULB	COOLING WET BULB	HEATING DRY BULB		HEIGHT	WIDTH	DEPTH	WEIGHT (LBS)				
CU-1	MITSUEISHI	SINGLE SPLIT	MAIN ELEC	21000	10000	90°F	73°F	39°F	48	38	38	14	170	230/1/60	25 / 40	R-410A	INDOCR UNIT POWERED BY OUTDOOR UNIT
CU-2	MITSUEISHI	MULTI-SPLIT	POOL MECH	36000	18000	90°F	73°F	39°F	50	53	37	20	290	230/1/60	26 / 40	R-410A	
CU-3	MITSUEISHI	PURY	GYM	83000	41000	90°F	73°F	39°F	58	65	48	29	510	230/3/60	33 / 50	R-410A	
CU-4	MITSUEISHI	PURY	POOL L1	25000	16000	90°F	73°F	39°F	58	65	36	29	450	230/3/60	24 / 35	R-410A	
CU-5	MITSUEISHI	PURY	POOL L2	128000	97500	90°F	73°F	39°F	61	65	85	29	950	230/3/60	33.24 / 50.35	R-410A	PROVIDE SEPARATE POWER FOR EACH MODULE
CU-6	MITSUEISHI	MULTI-SPLIT	STADIUM TICKET	19000	10000	90°F	73°F	39°F	46	21	31	11	70	230/1/60	25 / 40	R-410A	INDOCR UNIT POWERED BY OUTDOOR UNIT
CU-7	MITSUEISHI	SINGLE SPLIT	STADIUM CONCESSIONS	18000	8500	90°F	73°F	39°F	48	38	38	14	170	230/1/60	25 / 40	R-410A	INDOCR UNIT POWERED BY OUTDOOR UNIT
CU-8	MITSUEISHI	SINGLE SPLIT	PRESS BOX	10000	4500	90°F	73°F	39°F	49	21	31	11	80	230/1/60	12 / 15	R-410A	INDOCR UNIT POWERED BY OUTDOOR UNIT
CU-9	MITSUEISHI	SINGLE SPLIT	ELEC	12000	6000	90°F	73°F	39°F	48	23	31	12	100	230/1/60	13 / 20	R-410A	INDOCR UNIT POWERED BY OUTDOOR UNIT

NOTES:

FAN COIL UNIT SCHEDULE

UNIT TAG	MAKE	MODEL	AREA SERVED	ASSOCIATED VRF UNIT	TOTAL COOLING (BTU)	SENSIBLE COOLING (BTU)	HEATING (TBU)	SUPPLY FAN		ROOM DESIGN CONDITIONS		DIMENSIONS				POWER INPUT (KW)		NOTES
								ESP (IN. WC)	CFM	COOLING	HEATING	HEIGHT	WIDTH	DEPTH	WEIGHT (LBS)	MCA	MOCP	
FCU-1	MITSUBISHI	WALL MOUNTED	MAIN ELEC	CU-01	31,500	21,000	10,000	-	775	78	72	14	46	12	50	1.0	15	INDOOR UNIT POWERED BY OUTDOOR UNIT
FCU-2	MITSUBISHI	WALL MOUNTED	IT	CU-03	24,700	21,000	10,000	-	920	78	72	14	46	12	50	0.6	15	
FCU-3	MITSUBISHI	WALL MOUNTED	ELEC B	CU-03	16,000	12,000	6,000	-	425	78	72	11	35	10	30	0.4	15	
FCU-4	MITSUBISHI	CEILING RECESSED	CHECK IN	CU-03	7,100	3,000	1,500	-	350	75	70	8	22	22	40	0.3	15	
FCU-5	MITSUBISHI	CEILING RECESSED	DIR OFFICE	CU-04	8,000	3,000	1,000	-	350	75	70	8	22	22	40	0.3	15	1
FCU-6	MITSUBISHI	CEILING RECESSED	LOBBY	CU-04	20,400	15,000	12,000	0.6	883	75	70	10	43	29	70	2.7	15	
FCU-7	MITSUBISHI	CEILING RECESSED	STAFF OFFICE	CU-04	8,000	2,500	1,000	-	350	75	70	8	22	22	40	0.3	15	
FCU-8	MITSUBISHI	CEILING RECESSED	GOLD RM / STORAGE	CU-04	8,000	2,500	1,000	-	350	75	70	8	22	22	40	0.3	15	
FCU-9	MITSUBISHI	CEILING RECESSED	STAFF OFFICE / FIRST AID	CU-04	8,000	2,500	1,000	-	350	75	70	8	22	22	40	0.3	15	
FCJ-10	MITSUBISHI	WALL MOUNTED	POOL EQUIP	CU-02	25,000	18,000	9,000	-	920	78	72	14	46	12	50	0.6	15	
FCU-11	MITSUBISHI	WALL MOUNTED	POOL EQUIP	CU-02	25,000	18,000	9,000	-	920	78	72	14	46	12	50	0.6	15	
FCJ-12	MITSUBISHI	WALL MOUNTED	ELEV MACHINE RM	CU-06	16,000	12,000	6,000	-	425	78	72	11	35	10	30	0.4	15	
FCJ-13	MITSUBISHI	HORIZONTAL DUCTED	PARK DIR OFFICE	CU-03	13,400	10,000	5,000	0.6	494	75	70	10	35	29	60	1.5	15	1
FCJ-14	MITSUBISHI	HORIZONTAL DUCTED	STAFF OFFICE	CU-03	13,400	10,000	5,000	0.6	494	75	70	10	35	29	60	1.5	15	1
FCJ-15	MITSUBISHI	HORIZONTAL DUCTED	CLASSROOM	CU-03	21,300	15,000	7,500	0.6	883	75	70	10	43	29	70	2.7	15	1
FCJ-16	MITSUBISHI	CEILING RECESSED	COMM KITCHEN	CU-05	6,800	4,000	1,500	-	350	75	70	8	22	22	40	0.3	15	
FCJ-17	MITSUBISHI	HORIZONTAL DUCTED	COMM ROOM	CU-05	20,400	15,000	12,000	0.6	883	75	70	10	43	29	70	2.1	15	
FCJ-18	MITSUBISHI	HORIZONTAL DUCTED	COMM ROOM	CU-05	20,400	15,000	12,000	0.6	883	75	70	10	43	29	70	2.7	15	
FCJ-19	MITSUBISHI	HORIZONTAL DUCTED	COMM ROOM	CU-05	40,800	32,000	24,000	0.6	1412	75	70	10	55	29	90	3.4	15	
FCJ-20	MITSUBISHI	HORIZONTAL DUCTED	FITNESS ROOM	CU-05	20,400	15,000	12,000	0.6	883	75	70	10	43	29	70	2.7	15	
FCU-21	MITSUBISHI	HORIZONTAL DUCTED	FITNESS ROOM	CU-05	20,400	15,000	12,000	0.6	883	75	70	10	43	29	70	2.7	15	
FCJ-22	MITSUBISHI	HORIZONTAL DUCTED	FITNESS ROOM	CU-05	40,900	32,000	24,000	0.6	1412	75	70	10	55	29	90	3.4	15	
FCJ-23	MITSUBISHI	CEILING RECESSED	TICKET OFFICE	CU-06	8,500	7,000	4,000	-	350	75	70	10	22	22	40	1.0	15	INDOOR UNIT POWERED BY OUTDOOR UNIT
FCJ-24	MITSUBISHI	HORIZONTAL DUCTED	CONCESSIONS	CU-07	31,500	18,000	8,500	0.6	883	75	70	10	43	29	80	2.7	15	INDOOR UNIT POWERED BY OUTDOOR UNIT
FCJ-25	MITSUBISHI	CEILING RECESSED	PRESS BOX	CU-08	14,800	10,000	4,500	-	390	75	70	14	22	22	40	1.0	15	INDOOR UNIT POWERED BY OUTDOOR UNIT
FCJ-26	MITSUBISHI	WALL MOUNTED	ELEC P132	CU-09	18,900	12,000	6,000	-	425	78	72	11	35	10	30	1.0	15	INDOOR UNIT POWERED BY OUTDOOR UNIT
FCJ-27	MITSUBISHI	WALL MOUNTED	ELEV MACHINE RM	CU-03	16,000	12,000	6,000	-	425	78	72	11	35	10	30	0.4	15	

NOTES:
1. PROVIDE WITH FBM FILTER BOX WITH MERV 10 FILTER

SUPPLY GRILLE & DIFFUSER SCHEDULE

ITEM TAG	MANUFACTURER	MODEL	TYPE	NECK SIZE (IN)	OVERALL DIM (IN)	MAX S.P. IN WC	MAX NC	NOTES
SG-1	PRICE	SPD	SQUARE PLAQUE		24 x 24			1, 2
SG-2	PRICE	SDS	LINEAR SLOT					1

NOTES:
1. CONTRACTOR TO REVIEW ARCHITECTURAL REFLECTED CEILING PLANS TO MATCH DIFFUSERS/GRILLES, TRIM AND FRAME WITH CEILING TYPE
2. ALUMINUM CONSTRUCTION N RESTROOMS, TOILET AND SHOWER ROOMS

RETURN GRILLE & DIFFUSER SCHEDULE

ITEM TAG	MANUFACTURER	MODEL	TYPE	NECK SIZE (IN)	OVERALL DIM (IN)	MAX S.P. IN WC	MAX NC	NOTES
RG-1	PRICE	RPD	SQUARE PLAQUE		24 x 24			1, 2

NOTES:
1. CONTRACTOR TO REVIEW ARCHITECTURAL REFLECTED CEILING PLANS TO MATCH DIFFUSERS/GRILLES, TRIM AND FRAME WITH CEILING TYPE
2. ALUMINUM CONSTRUCTION IN RESTROOMS, TOILET AND SHOWER ROOMS

EXHAUST GRILLE & DIFFUSER SCHEDULE

ITEM TAG	MANUFACTURER	MODEL	TYPE	NECK SIZE (IN)	OVERALL DIM (IN)	MAX S.P. IN WC	MAX NC	NOTES
EG-1	PRICE	RPD	SQUARE PLAQUE		24 x 24			1, 2
EG-2	PRICE	RPD	SQUARE PLAQUE		12 x 12			1, 2

NOTES:
1. CONTRACTOR TO REVIEW ARCHITECTURAL REFLECTED CEILING PLANS TO MATCH DIFFUSERS/GRILLES, TRIM AND FRAME WITH CEILING TYPE
2. ALUMINUM CONSTRUCTION IN RESTROOMS, TOILET AND SHOWER ROOMS

BUREAU OF ENGINEERING
OFFICIAL RECORD

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REVISION DATES (DESIGN STAGE ONLY)

REVISION DATE: 12/19/2016 12:21 PM FILE: O:\033398 RANCHO CIENEGA SPORTS COMPLEX\BIM\F05 MEP\CAD\SHEET\M\M-0.01.DWG

ENGINEERING
CITY OF LOS ANGELES
BUREAU OF ENGINEERING

NO.	REVISIONS:	DATE:	BY:
		7/22/16	

BUILDING NO. XX/XX

INDEX NO. - RP 300094

REGISTERED PROFESSIONAL ENGINEER JOHN GREGORY ROZELUK No. M34269 11/30/2016 MECHANICAL STATE OF CALIFORNIA

BID SET SUBMITTAL

CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS

GARY LEE MOORE, PE, ENV SP CITY ENGINEER
ARCHITECTURAL DIVISION LIC. NO. M-34269
ARCHITECT: JOHN ROZELUK, PE
DESIGNED BY: JV
DRAWN BY: JV
CHECKED BY: BD
APPROVED BY: Approver

ENGINEER DATE:

VERTICAL CONTROL:
HORIZONTAL CONTROL:

SHEET TITLE: MECHANICAL SCHEDULES

PROJECT: RANCHO CIENEGA SPORTS COMPLEX

ADDRESS: 5001 RODEO ROAD LOS ANGELES, CA 90016

WORK ORDER NO. E1907694
PLAN FILE NO.
DRAWING NO. M-0.01
SHEET OF SHEETS

PLOTTED: 12/19/2016 1:36 PM

DEHUMIDIFICATION AIR HANDLING UNIT SCHEDULE

UNIT TAG	LOCATION	AREA SERVED	MANUFACTURER	MODEL	SUPPLY FAN			MINIMUM OUTSIDE AIR (CFM)	REACTIVATION FAN			DX COOLING COIL								HEATING COIL					ELECTRICAL		WEIGHT (LBS)	NOTES
					TOTAL CFM	ESP (IN. WC)	FAN HP		TOTAL CFM	ESP (IN. WC)	FAN HP	DEHUM (LB/HR)	EDB (F)	EWB (F)	LDB (F)	LWB (F)	APD (IN)	MAX FPM	MRE (LB/KWH)	REF	TYPE	TOTAL (MBH)	EDB (F)	LDB (F)	APD (IN)	VOLT/PH/HZ	FLA		
AHU-1	POOL ROOF	POOL	MUNTERS	HCUC-1	10,200	1	15	10200 (100% OA)	10,000	-	10	425	80	72	72	56			8.4	R-410A	GAS	900	39.0	104		460/3/60	121	14,500	1

NOTES:
1. DUCT T YPE SMOKE DETECCTRS TO BE PROVIDED IN THE SUPPLY AIR DUCT AT THE UNIT.

AIR-HANDLING UNIT SCHEDULE

UNIT TAG	LOCATION	AREA SERVED	MANUFACTURER	MODEL	SUPPLY FAN			MINIMUM OUTSIDE AIR (CFM)	RETURN FAN			DX COOLING COIL									HEATING COIL						ELECTRICAL		WEIGHT (LBS)	NOTES
					TOTAL CFM	ESP (IN. WC)	FAN HP		TOTAL CFM	ESP (IN. WC)	FAN HP	TOTAL (MBH)	SENSIBLE (MBH)	EDB (F)	EWB (F)	LDB (F)	LWB (F)	APD (IN)	MAX FPM	OAT DB/WB (F)	EER	REF	TYPE	TOTAL (MBH)	EDB (F)	LDB (F)	APD (IN)	COP	VOLT/PH/HZ	FLA		
AHU-2	POOL ROOF	POOL	TRANE	YHD210	7,500	1.5		-	-	-	-	235	150	84	73	65	65			90/73	11.8	R-410A	GAS	200	80.0	105		-	230/3/60	90	2,350	1, 2
AHU-3	POOL ROOF	POOL	GREENHECK	QEI-33	20,000	1.5	15	3,600	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	460/3/60	21	1,400	1, 2
AHU-4	GYM ROOF	GYMNASIUM	AAON	AAON RN-031	8,000	1.5	7.5	3,600	4,400	1	2	370	240	82	69	55	54			90/73	10.6	R-410A	HEAT PUMP	247	57	85		2.67	460/3/60	71	6,300	2
AHU-5	GYM ROOF	GYMNASIUM	AAON	AAON RN-031	8,000	1.5	7.5	3,600	4,400	1	2	370	240	82	69	55	54			90/73	10.6	R-410A	HEAT PUMP	247	57	85		2.67	460/3/60	71	6,300	2
AHU-6	POOL ROOF	WEIGHT/COMMUNITY	AAON	AAON RN-016	6,000	1.5	7.5	4,000	4,000	1.3	2 x 2	205	175	87	70	60	60			90/73	10.9	R-410A	HEAT PUMP	215	51.0	85		4.31	460/3/60	47	3,200	2

NOTES:
1. RATED FOR A POOL ENVIRONMENT
2. DUCT T YPE SMOKE DETECOTRS TO BE PROVIDED IN THE SUPPLY AND RETURN (WHERE APPLICABLE) AIR DUCTS AT THE UNIT.

FAN SCHEDULE

ITEM TAG	LOCATION	AREA SERVED	TYPE	MAKE	MODEL	QTY	CFM	ESP (IN)	RPM	MOTOR DATA					WEIGHT (LBS)	NOTES
										HP	VOLT	PHASE	HZ	FLA		
EF-1	POOL ROOF	POOL HALL	INLINE	GREENHECK	QEI-30	1	11,000	1.5	1725	5	460	3	60	7.6	1200	1
EF-2	POOL ROOF	RESTROOMS	UPBLAST	GREENHECK	CUE	1	2,000	0.5	1000	1/2	115	1	60	6.7	110	1
EF-3	POOL ROOF	RESTROOMS	UPBLAST	GREENHECK	CUE	1	2,000	0.5	1000	1/2	115	1	60	6.7	110	1
EF-5	POOL MECH ROOM	POOL MECHANICAL	INLINE	GREENHECK	CSP	1	500	0.25	924	325 W	115	1	60	3.7	50	
EF-6	GYM W RESTROOM	GYM M RESTROOM	UPBLAST	GREENHECK	CUE-90	1	700	0.5	1725	1/6	115	1	60	3.4	60	
EF-7	GYM ROOF	GYM W RESTROOM	UPBLAST	GREENHECK	CUE-90	1	700	0.5	1725	1/6	115	1	60	3.4	60	
EF-8	RESTROOM	STADIUM BUILDING M RESTROOM	DOWNBLAST	GREENHECK	G-085	1	500	0.1	1725	1/10	115	1	60	2.6	50	
EF-9	RESTROOM	STADIUM BUILDING W RESTROOM	DOWNBLAST	GREENHECK	G-085	1	500	0.1	1725	1/10	115	1	60	2.6	50	
E?-10	RESTROOM	STADIUM BUILDING M VIP	DOWNBLAST	GREENHECK	G-060	1	210	0.1	1725	1/10	115	1	60	2.6	40	
EF-11	RESTROOM	STADIUM BJILDING W VIP	DOWNBLAST	GREENHECK	G-060	1	210	0.1	1725	1/10	115	1	60	2.6	40	
E?-12	RESTROOM	TENNIS BUILDING M RESTROOM	SIDEWALL	GREENHECK	SE	1	70	0.1	1725	1/10	115	1	60	2.6	50	2
E?-13	RESTROOM	TENNIS BUILDING W RESTROOM	SIDEWALL	GREENHECK	SE	1	70	0.1	1725	1/10	115	1	60	2.6	50	2
E?-14	SPECTATOR AREA	SPECTATOR AREA	IN LINE TX	ZOO FANS	IC30-MFSILENT	1	200	0.4								
E?-15	SPECTATOR AREA	SPECTATOR AREA	IN LINE TX	ZOO FANS	IC30-MFSILENT	1	200	0.4								
E?-16	SPECTATOR AREA	SPECTATOR AREA	IN LINE TX	ZOO FANS	IC30-MFSILENT	1	200	0.4								
E?-17	SPECTATOR AREA	SPECTATOR AREA	IN LINE TX	ZOO FANS	IC30-MFSILENT	1	200	0.4								
E?-18	WATER TREATMENT ROOM	WATER TREATMENT ROOM	INLINE	GREENHECK	CSP	1	500	0.25	924	325 W	115	1	60	3.7	50	
EF-19	POOL EQUIP TANK 01	POOL EQUIP TANK 01	INLINE	GREENHECK	CSP	1	115	0.25	1100	22.1 W	115	1	60		16	
EF-20	POOL EQUIP TANK 02	POOL EQUIP TANK 02	INLINE	GREENHECK	CSP	1	115	0.25	1100	22.1 W	115	1	60		16	
EF-21	POOL EQUIP TANK 03	POOL EQUIP TANK 03	INLINE	GREENHECK	CSP	1	115	0.25	1100	22.1 W	115	1	60		16	
SF-1	CLASSROOM	CLASSROOM	INLINE	GREENHECK	SQ-60	1	100	0.1	1725	1/10	115	1	60	2.6	40	
SF-2	STAFF OFFICE	STAFF OFFICE	INLINE	GREENHECK	SQ-60	1	100	0.1	1725	1/10	115	1	60	2.6	40	
SF-3	PARK DIRECTOR OFFICE	PARK DIRECTOR OFFICE	INLINE	GREENHECK	SQ-60	1	100	0.1	1725	1/10	115	1	60	2.6	40	
NOTES:																

1. RATED FOR POOL ENVIRONMENT
2. COMPLETE WITH MANUFACTURERS MOTOR GUARD, DAMPER, AND EXTERNAL LOUVER (GREENHECK EDJ)
3. PROVIDE WITH VFD
4. PROVIDE WITH ECM MOTOR

OUTDOOR CONDENSING UNIT

UNIT TAG	MAKE	MODEL	AREA SERVED	TOTAL CAPACITY		OUTSIDE CONDITIONS			SOUND LEVEL	DIMENSIONS				VOLT/PHASE/HZ	MCA/ MOCP	REFRIGERENT TYPE	NOTES
				COOLING (BTU)	HEATING (BTU)	COOLING DRY BULB	COOLING WET BULB	HEATING DRY BULB		HEIGHT	WIDTH	DEPTH	WEIGHT (LBS)				
CU-1	MITSUEISHI	SINGLE SPLIT	MAIN ELEC	21000	10000	90°F	73°F	39°F	48	38	38	14	170	230/1/60	25 / 40	R-410A	INDOCR UNIT POWERED BY OUTDOOR UNIT
CU-2	MITSUEISHI	MULTI-SPLIT	POOL MECH	36000	18000	90°F	73°F	39°F	50	53	37	20	290	230/1/60	26 / 40	R-410A	
CU-3	MITSUEISHI	PURY	GYM	83000	41000	90°F	73°F	39°F	58	65	48	29	510	230/3/60	33 / 50	R-410A	
CU-4	MITSUEISHI	PURY	POOL L1	25000	16000	90°F	73°F	39°F	58	65	36	29	450	230/3/60	24 / 35	R-410A	
CU-5	MITSUEISHI	PURY	POOL L2	128000	97500	90°F	73°F	39°F	61	65	85	29	950	230/3/60	33.24 / 50.35	R-410A	PROVIDE SEPARATE POWER FOR EACH MODULE
CU-6	MITSUEISHI	MULTI-SPLIT	STADIUM TICKET	19000	10000	90°F	73°F	39°F	46	21	31	11	70	230/1/60	25 / 40	R-410A	INDOCR UNIT POWERED BY OUTDOOR UNIT
CU-7	MITSUEISHI	SINGLE SPLIT	STADIUM CONCESSIONS	18000	8500	90°F	73°F	39°F	48	38	38	14	170	230/1/60	25 / 40	R-410A	INDOCR UNIT POWERED BY OUTDOOR UNIT
CU-8	MITSUEISHI	SINGLE SPLIT	PRESS BOX	10000	4500	90°F	73°F	39°F	49	21	31	11	80	230/1/60	12 / 15	R-410A	INDOCR UNIT POWERED BY OUTDOOR UNIT
CU-9	MITSUEISHI	SINGLE SPLIT	ELEC	12000	6000	90°F	73°F	39°F	48	23	31	12	100	230/1/60	13 / 20	R-410A	INDOCR UNIT POWERED BY OUTDOOR UNIT
NOTES:																	

FAN COIL UNIT SCHEDULE

UNIT TAG	MAKE	MODEL	AREA SERVED	ASSOCIATED VRF UNIT	TOTAL COOLING (BTU)	SENSIBLE COOLING (BTU)	HEATING (TBU)	SUPPLY FAN		ROOM DESIGN CONDITIONS		DIMENSIONS				POWER INPUT (KW)		NOTES
								ESP (IN. WC)	CFM	COOLING	HEATING	HEIGHT	WIDTH	DEPTH	WEIGHT (LBS)	MCA	MOCP	
FCU-1	MITSUBISHI	WALL MOUNTED	MAIN ELEC	CU-01	31,500	21,000	10,000	-	775	78	72	14	46	12	50	1.0	15	INDOOR UNIT POWERED BY OUTDOOR UNIT
FCU-2	MITSUBISHI	WALL MOUNTED	IT	CU-03	24,700	21,000	10,000	-	920	78	72	14	46	12	50	0.6	15	
FCU-3	MITSUBISHI	WALL MOUNTED	ELEC B	CU-03	16,000	12,000	6,000	-	425	78	72	11	35	10	30	0.4	15	
FCU-4	MITSUBISHI	CEILING RECESSED	CHECK IN	CU-03	7,100	3,000	1,500	-	350	75	70	8	22	22	40	0.3	15	
FCU-5	MITSUBISHI	CEILING RECESSED	DIR OFFICE	CU-04	8,000	3,000	1,000	-	350	75	70	8	22	22	40	0.3	15	1
FCU-6	MITSUBISHI	CEILING RECESSED	LOBBY	CU-04	20,400	15,000	12,000	0.6	883	75	70	10	43	29	70	2.7	15	
FCU-7	MITSUBISHI	CEILING RECESSED	STAFF OFFICE	CU-04	8,000	2,500	1,000	-	350	75	70	8	22	22	40	0.3	15	
FCU-8	MITSUBISHI	CEILING RECESSED	GOLD RM / STORAGE	CU-04	8,000	2,500	1,000	-	350	75	70	8	22	22	40	0.3	15	
FCU-9	MITSUBISHI	CEILING RECESSED	STAFF OFFICE / FIRST AID	CU-04	8,000	2,500	1,000	-	350	75	70	8	22	22	40	0.3	15	
FCJ-10	MITSUBISHI	WALL MOUNTED	POOL EQUIP	CU-02	25,000	18,000	9,000	-	920	78	72	14	46	12	50	0.6	15	
FCU-11	MITSUBISHI	WALL MOUNTED	POOL EQUIP	CU-02	25,000	18,000	9,000	-	920	78	72	14	46	12	50	0.6	15	
FCJ-12	MITSUBISHI	WALL MOUNTED	ELEV MACHINE RM	CU-06	16,000	12,000	6,000	-	425	78	72	11	35	10	30	0.4	15	
FCJ-13	MITSUBISHI	HORIZONTAL DUCTED	PARK DIR OFFICE	CU-03	13,400	10,000	5,000	0.6	494	75	70	10	35	29	60	1.5	15	1
FCJ-14	MITSUBISHI	HORIZONTAL DUCTED	STAFF OFFICE	CU-03	13,400	10,000	5,000	0.6	494	75	70	10	35	29	60	1.5	15	1
FCJ-15	MITSUBISHI	HORIZONTAL DUCTED	CLASSROOM	CU-03	21,300	15,000	7,500	0.6	883	75	70	10	43	29	70	2.7	15	1
FCJ-16	MITSUBISHI	CEILING RECESSED	COMM KITCHEN	CU-05	6,800	4,000	1,500	-	350	75	70	8	22	22	40	0.3	15	
FCJ-17	MITSUBISHI	HORIZONTAL DUCTED	COMM ROOM	CU-05	20,400	15,000	12,000	0.6	883	75	70	10	43	29	70	2.1	15	
FCJ-18	MITSUBISHI	HORIZONTAL DUCTED	COMM ROOM	CU-05	20,400	15,000	12,000	0.6	883	75	70	10	43	29	70	2.7	15	
FCJ-19	MITSUBISHI	HORIZONTAL DUCTED	COMM ROOM	CU-05	40,800	32,000	24,000	0.6	1412	75	70	10	55	29	90	3.4	15	
FCJ-20	MITSUBISHI	HORIZONTAL DUCTED	FITNESS ROOM	CU-05	20,400	15,000	12,000	0.6	883	75	70	10	43	29	70	2.7	15	
FCU-21	MITSUBISHI	HORIZONTAL DUCTED	FITNESS ROOM	CU-05	20,400	15,000	12,000	0.6	883	75	70	10	43	29	70	2.7	15	
FCJ-22	MITSUBISHI	HORIZONTAL DUCTED	FITNESS ROOM	CU-05	40,900	32,000	24,000	0.6	1412	75	70	10	55	29	90	3.4	15	
FCJ-23	MITSUBISHI	CEILING RECESSED	TICKET OFFICE	CU-06	8,500	7,000	4,000	-	350	75	70	10	22	22	40	1.0	15	INDOOR UNIT POWERED BY OUTDOOR UNIT
FCJ-24	MITSUBISHI	HORIZONTAL DUCTED	CONCESSIONS	CU-07	31,500	18,000	8,500	0.6	883	75	70	10	43	29	80	2.7	15	INDOOR UNIT POWERED BY OUTDOOR UNIT
FCJ-25	MITSUBISHI	CEILING RECESSED	PRESS BOX	CU-08	14,800	10,000	4,500	-	390	75	70	14	22	22	40	1.0	15	INDOOR UNIT POWERED BY OUTDOOR UNIT
FCJ-26	MITSUBISHI	WALL MOUNTED	ELEC P132	CU-09	18,900	12,000	6,000	-	425	78	72	11	35	10	30	1.0	15	INDOOR UNIT POWERED BY OUTDOOR UNIT
FCJ-27	MITSUBISHI	WALL MOUNTED	ELEV MACHINE RM	CU-03	16,000	12,000	6,000	-	425	78	72	11	35	10	30	0.4	15	
NOTES:																		

1. PROVIDE WITH FBM FILTER BOX WITH MERV 10 FILTER

SUPPLY GRILLE & DIFFUSER SCHEDULE

ITEM TAG	MANUFACTURER	MODEL	TYPE	NECK SIZE (IN)	OVERALL DIM (IN)	MAX S.P. IN WC	MAX NC	NOTES
SG-1	PRICE	SPD	SQUARE PLAQUE		24 x 24			1, 2
SG-2	PRICE	SDS	LINEAR SLOT					1
NOTES:								

1. CONTRACTOR TO REVIEW ARCHITECTURAL REFLECTED CEILING PLANS TO MATCH DIFFUSERS/GRILLES, TRIM AND FRAME WITH CEILING TYPE
2. ALUMINUM CONSTRUCTION IN RESTROOMS, TOILET AND SHOWER ROOMS

RETURN GRILLE & DIFFUSER SCHEDULE

ITEM TAG	MANUFACTURER	MODEL	TYPE	NECK SIZE (IN)	OVERALL DIM (IN)	MAX S.P. IN WC	MAX NC	NOTES
RG-1	PRICE	RPD	SQUARE PLAQUE		24 x 24			1, 2
NOTES:								

1. CONTRACTOR TO REVIEW ARCHITECTURAL REFLECTED CEILING PLANS TO MATCH DIFFUSERS/GRILLES, TRIM AND FRAME WITH CEILING TYPE
2. ALUMINUM CONSTRUCTION IN RESTROOMS, TOILET AND SHOWER ROOMS

EXHAUST GRILLE & DIFFUSER SCHEDULE

ITEM TAG	MANUFACTURER	MODEL	TYPE	NECK SIZE (IN)	OVERALL DIM (IN)	MAX S.P. IN WC	MAX NC	NOTES
EG-1	PRICE	RPD	SQUARE PLAQUE		24 x 24			1, 2
EG-2	PRICE	RPD	SQUARE PLAQUE		12 x 12			1, 2
NOTES:								

1. CONTRACTOR TO REVIEW ARCHITECTURAL REFLECTED CEILING PLANS TO MATCH DIFFUSERS/GRILLES, TRIM AND FRAME WITH CEILING TYPE
2. ALUMINUM CONSTRUCTION IN RESTROOMS, TOILET AND SHOWER ROOMS

BUREAU OF ENGINEERING OFFICIAL RECORD

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THE CITY OF LOS ANGELES OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF ELECTRONIC COPIES OF THIS PLAN SHEET.

REVISION DATES (DESIGN STAGE ONLY)

REVISION DATE: 12/19/2016 1:37 PM FILE: O:\033398 RANCHO CIENEGA SPORTS COMPLEX\BIM\P05 MEP\CAD\SHEET\M\M-0.01.DWG

ENGINEERING
CITY OF LOS ANGELES

BUREAU OF ENGINEERING

NO.	REVISIONS:	DATE:	BY:

BUILDING NO. XX/XX

INDEX NO. - RP 300094

REGISTERED PROFESSIONAL ENGINEER JOHN GREGORY ROZELUK No. M34269 11/30/2016 MECHANICAL STATE OF CALIFORNIA

CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS

BID SET SUBMITTAL

GARY LEE MOORE, PE, ENV SP CITY ENGINEER

ARCHITECTURAL DIVISION LIC. NO. M-34269

ARCHITECT: JOHN ROZELUK, PE

DESIGNED BY: JV

DRAWN BY: JV

CHECKED BY: BD

APPROVED BY: Approver

ENGINEER DATE:

VERTICAL CONTROL:

HORIZONTAL CONTROL:

SHEET TITLE: MECHANICAL SCHEDULES

PROJECT: RANCHO CIENEGA SPORTS COMPLEX

ADDRESS: 5001 RODEO ROAD LOS ANGELES, CA 90016

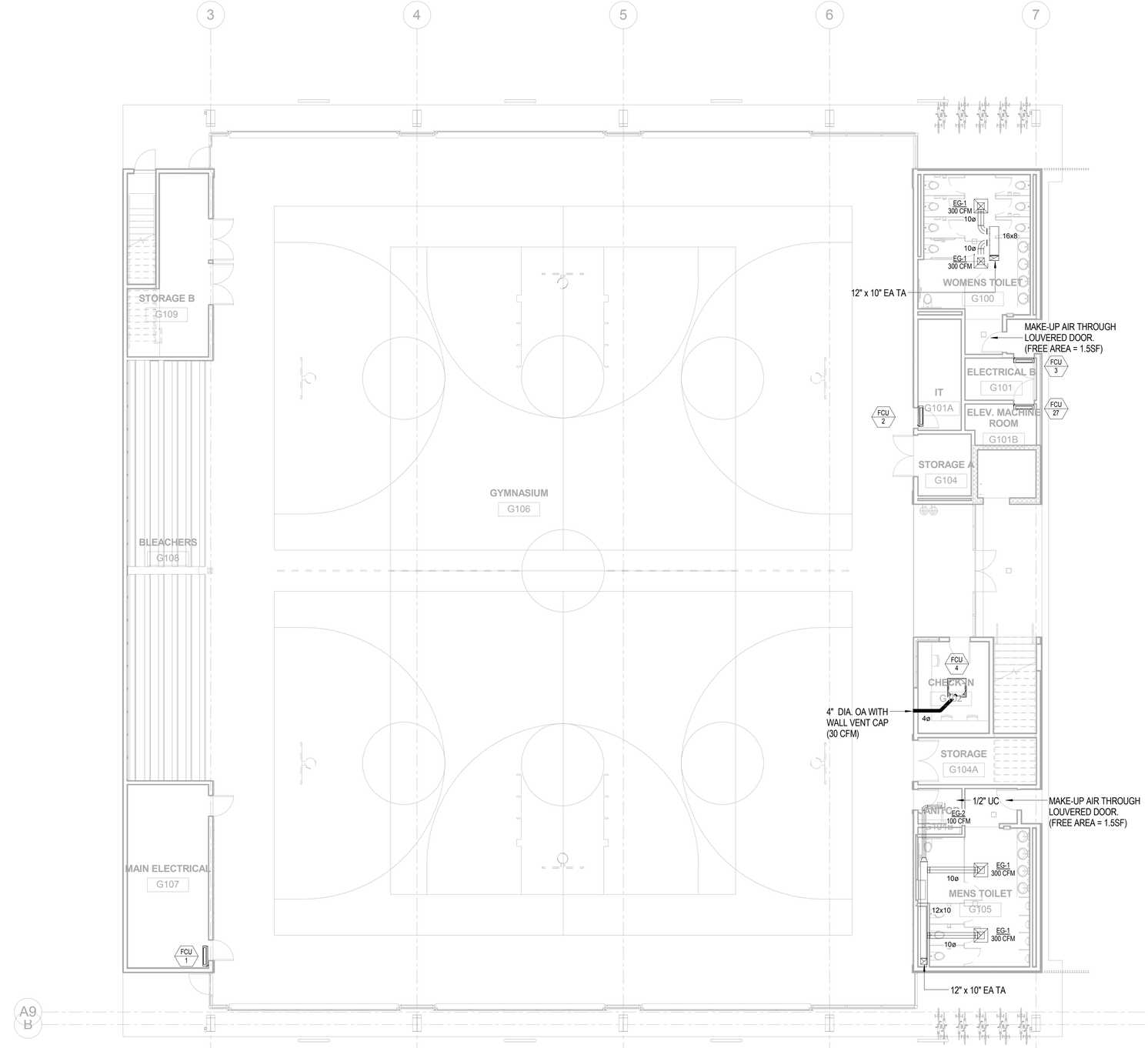
WORK ORDER NO. E1907694

PLAN FILE NO.

DRAWING NO. M-0.01

SHEET OF SHEETS

PLOTTED: 12/19/2016 1:44 PM



GENERAL NOTES

1. EACH CONDITIONED ZONE WILL BE CONTROLLED BY A DEDICATED T-STAT.
2. PROVIDE CO2 SENSORS AT ALL CLASSROOMS, CONFERENCE ROOMS AND HIGH OCCUPANCY SPACES TO ALLOW FOR DEMAND CONTROL VENTILATION.
3. PROVIDE REFRIGERANT PIPEWORK AND CONDENSATE DRAIN CONNECTIONS TO ALL FAN COIL UNITS.
4. ELECTRICAL AND DATA ROOMS TO BE CONDITIONED WITH DEDICATED FAN COIL UNITS CONNECTED TO A SEPARATE SPLIT SYSTEM.
5. OPERABLE WINDOWS IN SPACES WITH FCU SHALL BE WIRED TO A CONTACT SENSOR THAT WILL DISABLE FCU WITHIN THE ZONE TO SAVE ENERGY AND ELIMINATE POTENTIAL FOR CONDENSATION ON THE COIL.
6. PROVIDE TURNING VANES ON ALL 90 DEG MITERED BENDS IN LINE WITH PROJECT SPECIFICATIONS.
7. PROVIDE MINIMUM RADIUS BENDS PER SPECIFICATION ACCORDING TO VELOCITY.
8. PROVIDE COMBINATION FIRE/SMOKE DAMPERS AT ALL FIRE RATED PARTITIONS. REFER TO ARCHITECTURAL PLANS
9. PROVIDE SPLITTER VANES AT ALL BULL END CONNECTIONS.
10. ALL FINAL CONNECTIONS TO BE PROVIDED WITH ACOUSTIC FLEX DUCTWORK INSULATED TO R-4 MINIMUM.
11. ALL TRANSFER DUCTS TO BE ACOUSTICALLY LINED W/ 2" ACOUSTIC INSULATION.
12. NO VOLUME CONTROL DAMPERS INTEGRATED INTO GRILLES OR DAMPERS SHALL BE PERMITTED. PROVIDE VCD'S PER PLANS AND OMIT ONLY IF FINAL BRANCH CONNECTIONS ARE BALANCED.
13. ALL CONTROLS CABLING IN ACCESSIBLE LOCATIONS MAY USE J-HOOKS. ALL CONTROLS CABLING IN NON-ACCESSIBLE LOCATIONS SHOULD BE PROVIDED IN CONDUIT.
14. ALL EXPOSED DUCTWORK SHALL BE PAINTED/FINISHED AS PER ARCHITECTURAL PLANS AND DETAILS. DUCTWORK FINISHES SHALL BE PER SPECIFICATION 23 31 13.
15. ALL AIR DISTRIBUTION SYSTEM DUCTS AND PLENUMS, INCLUDING, BUT NOT LIMITED TO, BUILDING CAVITIES, SHALL BE INSTALLED, SEALED AND INSULATED TO MEET REQUIREMENTS OF CHAPTER 6 OF 2013 CMC. SUPPLY AND RETURN AIR DUCTS
16. CONVEYING COOLED OR HEATED AIR SHALL BE INSULATED TO A MINIMUM INSTALLED LEVEL OF R-8, UNLESS DUCTS ARE IN CONDITIONED SPACE.
17. GYMNASIUM, STADIUM BUILDING, AND TENNIS BUILDING RESTROOMS ARE MECHANICALLY EXHAUSTED BUT NOT COOLED OR HEATED.
18. INSULATE ALL FINAL CONNECTIONS TO TERMINAL UNITS, EXCLUDING VALVES ONLY.
19. ALL PENETRATIONS THROUGH FIRE RATED PARTITIONS TO BE SEALED PER STANDARD DETAILS. REFER TO ARCHITECTURAL PLANS FOR LOCATIONS.
20. COMMUNITY ROOM AND CLASSROOM TO BE TREATED AS ACOUSTICALLY SENSITIVE, PROVIDE ACOUSTIC TREATMENT OF ALL PENETRATIONS THROUGH PARTITIONS.
21. ALL EXPOSED PIPEWORK SHALL BE PAINTED/FINISHED AS NOTED PER ARCHITECTURAL PLANS AND DETAILS.
22. REFER TO DETAILS SHEET M500 SERIES FOR THE COMPONENTS REQUIRED AT FCU TERMINAL.
23. REFRIGERANT CONTAINMENT ROUTING FOR PIPING IS SHOWN IN ACCESSIBLE LOCATIONS. CONTRACTOR TO ADVISE ON LOCATIONS WHERE ACCESS TO CEILINGS WILL BE REQUIRED TO BOXES/EQUIPMENT.
24. PROVIDE WIRE MESH SCREEN AT ALL BELLMOUTHS.
25. REFRIGERANT PIPING SHALL BE PER MANUFACTURER'S SUBMITTALS AND INSTALLATION INSTRUCTIONS

BUREAU OF ENGINEERING
ENGINEERING
CITY OF LOS ANGELES

NO.	REVISIONS:	DATE:	BY:

BUILDING NO. XX/XX

INDEX NO. - RP 300094

REGISTERED PROFESSIONAL ENGINEER
JOHN GREGORY ROZELUK
No. M34269
12/31/2016
MECHANICAL
STATE OF CALIFORNIA

BID SET SUBMITTAL

CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS

GARY LEE MOORE, PE, ENV SP CITY ENGINEER
ARCHITECTURAL DIVISION
ENGINEER: JOHN ROZELUK, PE LIC. NO. M-34269 DATE:
DESIGNED BY: JW
DRAWN BY: JW
CHECKED BY: BD
APPROVED BY: Approver

VERTICAL CONTROL:
HORIZONTAL CONTROL:

SHEET TITLE: GYMNASIUM & ANCILLARY BUILDINGS HVAC GROUND FLOOR PLAN

PROJECT: RANCHO CIENEGA SPORTS COMPLEX

ADDRESS: 5001 RODEO ROAD LOS ANGELES, CA 90016

BUREAU OF ENGINEERING OFFICIAL RECORD

WORK ORDER NO. E1907694

PLAN FILE NO.

DRAWING NO. M2.01

SHEET OF SHEETS

PLOTTED: ---

REVISION DATES (DESIGN STAGE ONLY)

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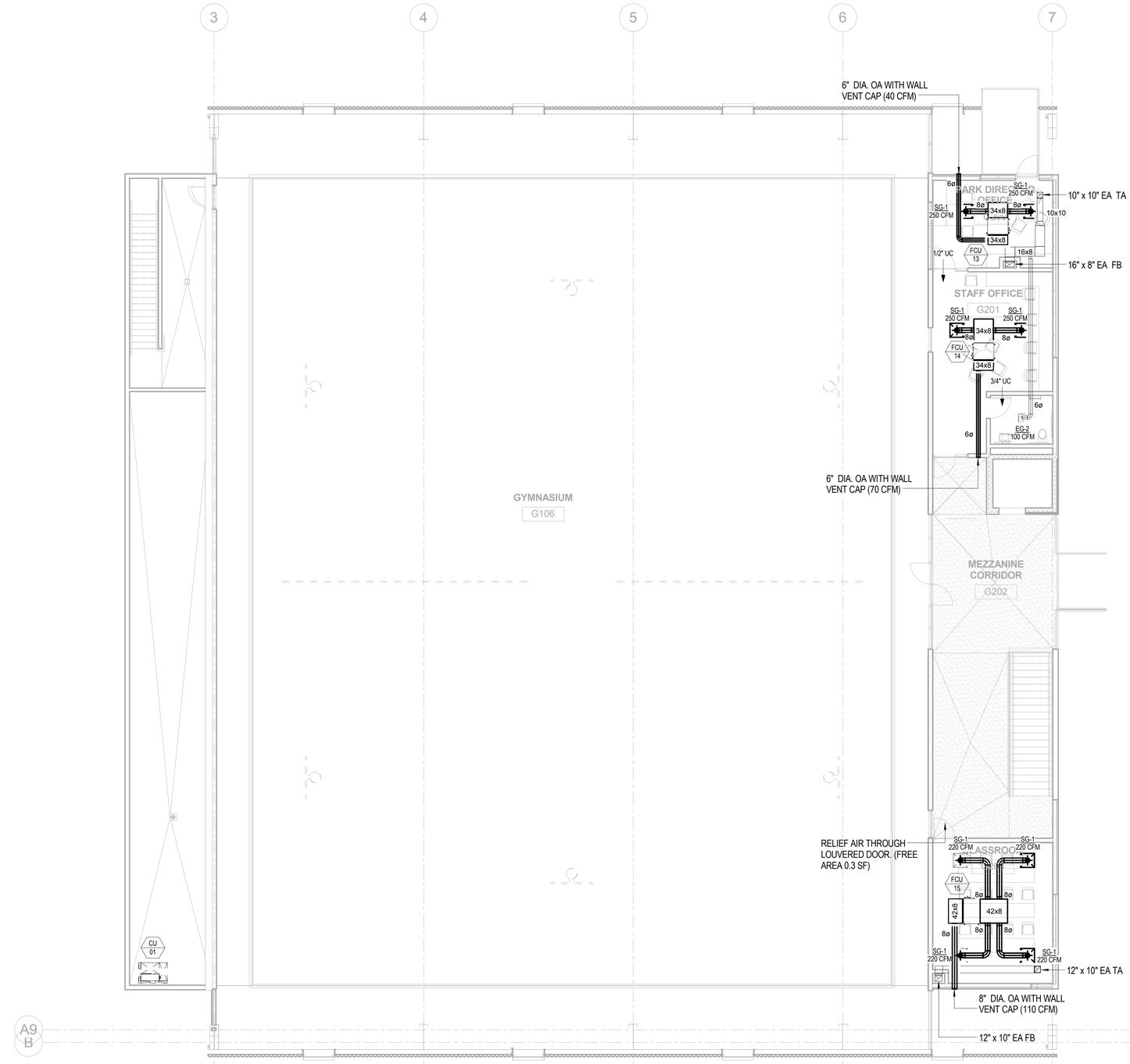

GENERAL NOTES

1. EACH CONDITIONED ZONE WILL BE CONTROLLED BY A DEDICATED T-STAT.
2. PROVIDE CO2 SENSORS AT ALL CLASSROOMS, CONFERENCE ROOMS AND HIGH OCCUPANCY SPACES TO ALLOW FOR DEMAND CONTROL VENTILATION.
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6. PROVIDE TURNING VANES ON ALL 90 DEG MITERED BENDS IN LINE WITH PROJECT SPECIFICATIONS.
7. PROVIDE MINIMUM RADIUS BENDS PER SPECIFICATION ACCORDING TO VELOCITY.
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BID SET SUBMITTAL

CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS

BUREAU OF ENGINEERING

ENGINEERING
CITY OF LOS ANGELES

BUILDING NO. XX/XX

INDEX NO. - RP 300094

NO. | REVISIONS: | DATE: | BY:

REGISTERED PROFESSIONAL ENGINEER
JOHN GREGORY ROZELUK
No. M34269
12/31/2016
MECHANICAL
STATE OF CALIFORNIA

CITY ENGINEER
GARY LEE MOORE, PE, ENV SP
ARCHITECTURAL DIVISION
LIC. NO. M-34269
DATE:

ENGINEER: JOHN ROZELUK, PE
DESIGNED BY: JW
DRAWN BY: JW
CHECKED BY: BD
APPROVED BY: Approver

SHEET TITLE: GYMNASIUM & ANCILLARY BUILDINGS HVAC MEZZANINE PLAN

PROJECT: RANCHO CIENEGA SPORTS COMPLEX

ADDRESS: 5001 RODEO ROAD LOS ANGELES, CA 90016

VERTICAL CONTROL:
HORIZONTAL CONTROL:

BUREAU OF ENGINEERING
OFFICIAL RECORD

WORK ORDER NO. E1907694

PLAN FILE NO.

DRAWING NO. M2.02

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REVISION DATES (DESIGN STAGE ONLY)

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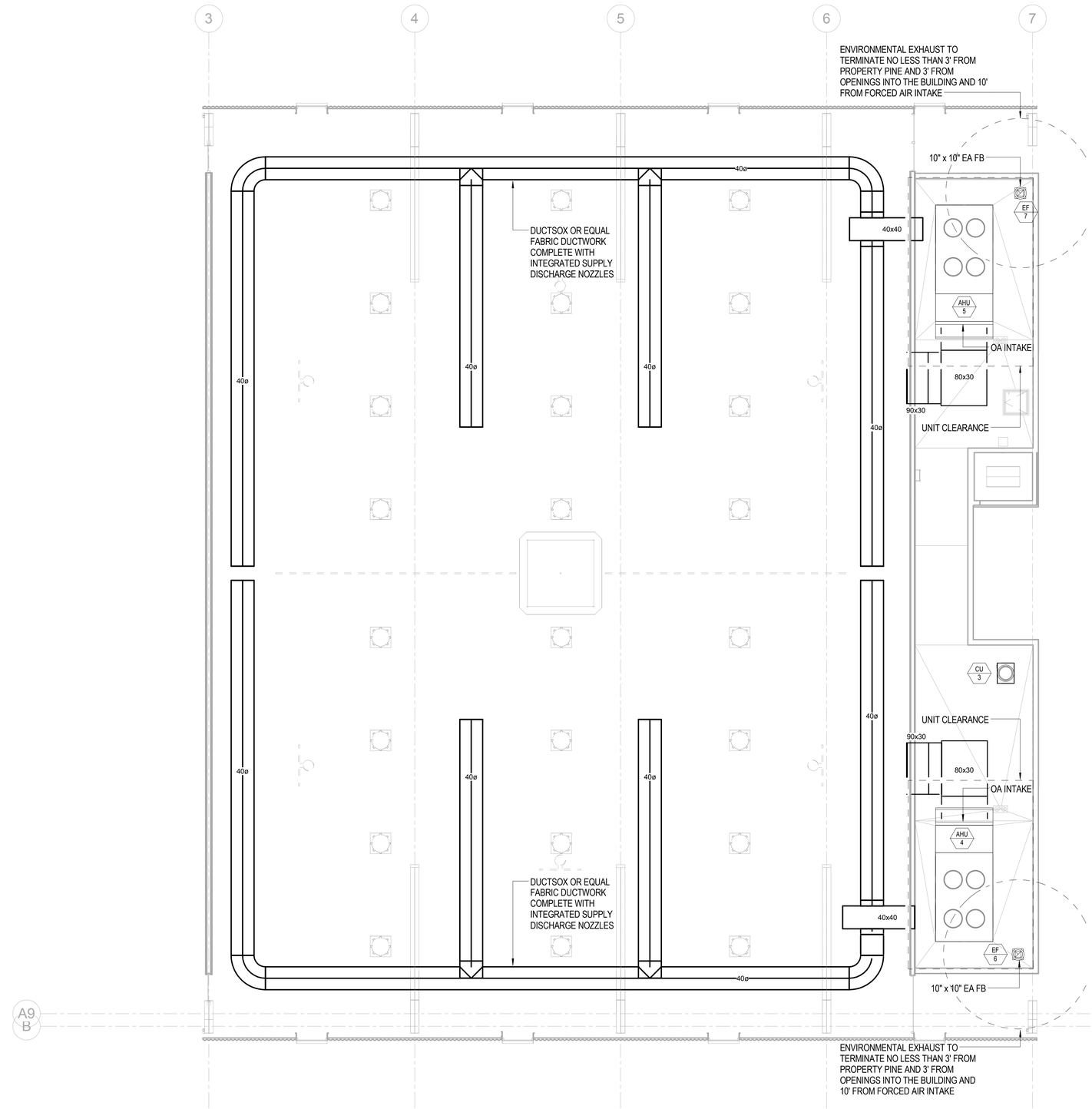

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14. ALL EXPOSED DUCTWORK SHALL BE PAINTED/FINISHED AS PER ARCHITECTURAL PLANS AND DETAILS. DUCTWORK FINISHES SHALL BE PER SPECIFICATION 23 31 13.
15. ALL AIR DISTRIBUTION SYSTEM DUCTS AND PLENUMS, INCLUDING, BUT NOT LIMITED TO, BUILDING CAVITIES, SHALL BE INSTALLED, SEALED AND INSULATED TO MEET REQUIREMENTS OF CHAPTER 6 OF 2013 CMC. SUPPLY AND RETURN AIR DUCTS
16. CONVEYING COOLED OR HEATED AIR SHALL BE INSULATED TO A MINIMUM INSTALLED LEVEL OF R-8, UNLESS DUCTS ARE IN CONDITIONED SPACE.
17. GYMNASIUM, STADIUM BUILDING, AND TENNIS BUILDING RESTROOMS ARE MECHANICALLY EXHAUSTED BUT NOT COOLED OR HEATED.
18. INSULATE ALL FINAL CONNECTIONS TO TERMINAL UNITS, EXCLUDING VALVES ONLY.
19. ALL PENETRATIONS THROUGH FIRE RATED PARTITIONS TO BE SEALED PER STANDARD DETAILS. REFER TO ARCHITECTURAL PLANS FOR LOCATIONS.
20. COMMUNITY ROOM AND CLASSROOM TO BE TREATED AS ACOUSTICALLY SENSITIVE, PROVIDE ACOUSTIC TREATMENT OF ALL PENETRATIONS THROUGH PARTITIONS.
21. ALL EXPOSED PIPEWORK SHALL BE PAINTED/FINISHED AS NOTED PER ARCHITECTURAL PLANS AND DETAILS.
22. REFER TO DETAILS SHEET M500 SERIES FOR THE COMPONENTS REQUIRED AT FCU TERMINAL.
23. REFRIGERANT CONTAINMENT ROUTING FOR PIPING IS SHOWN IN ACCESSIBLE LOCATIONS. CONTRACTOR TO ADVISE ON LOCATIONS WHERE ACCESS TO CEILINGS WILL BE REQUIRED TO BOXES/EQUIPMENT.
24. PROVIDE WIRE MESH SCREEN AT ALL BELLMOUTHS.
25. REFRIGERANT PIPING SHALL BE PER MANUFACTURER'S SUBMITTALS AND INSTALLATION INSTRUCTIONS

BUREAU OF ENGINEERING
ENGINEERING
CITY OF LOS ANGELES

NO. | REVISIONS: | DATE: | BY:

BUILDING NO. XX/XX

INDEX NO. - RP 300094

REGISTERED PROFESSIONAL ENGINEER
JOHN GREGORY ROZELUK
No. M34269
12-31-2016
MECHANICAL
STATE OF CALIFORNIA

BID SET SUBMITTAL

CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS

GARY LEE MOORE, PE, ENV SP CITY ENGINEER
ARCHITECTURAL DIVISION
ENGINEER: JOHN ROZELUK, PE LIC. NO. M-34269
DESIGNED BY: JW
DRAWN BY: JW
CHECKED BY: BD
APPROVED BY: Approver
DATE:

SHEET TITLE: GYMNASIUM & ANCILLARY BUILDINGS HVAC ROOF PLAN
PROJECT: RANCHO CIENEGA SPORTS COMPLEX
ADDRESS: 5001 RODEO ROAD LOS ANGELES, CA 90016

VERTICAL CONTROL:
HORIZONTAL CONTROL:

BUREAU OF ENGINEERING OFFICIAL RECORD

WORK ORDER NO. E1907694
PLAN FILE NO.
DRAWING NO. M2.03
SHEET OF SHEETS

PLOTTED: ----

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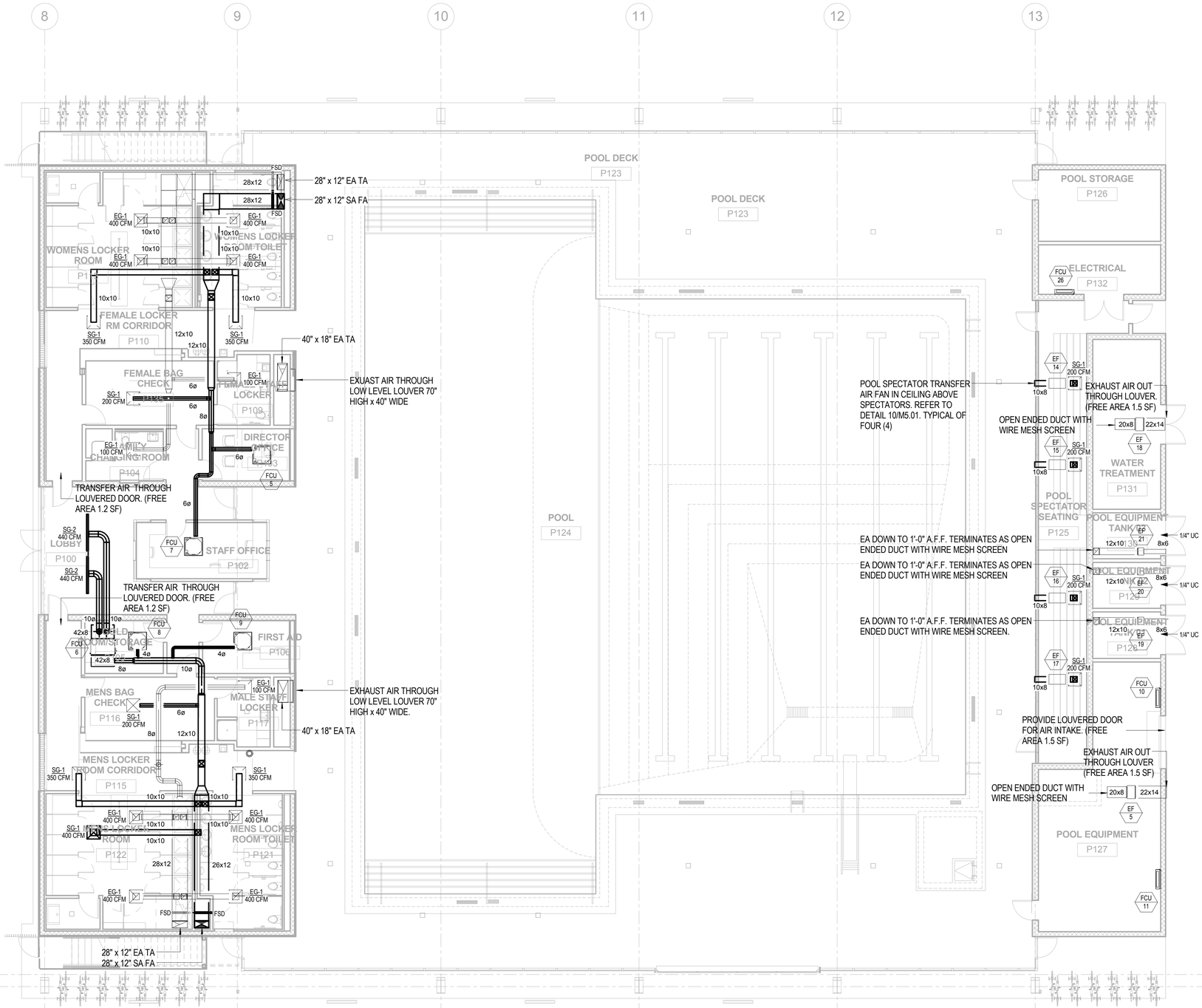
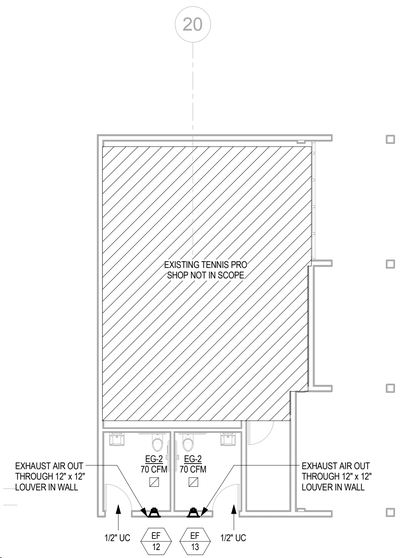


1 MECHANICAL HVAC - GROUND FLOOR - POOL HALL
SCALE: 1/8" = 1'-0"



2 MECHANICAL HVAC - GROUND FLOOR - TENNIS
1/8" = 1'-0"

GENERAL NOTES
1. EACH CONDITIONED ZONE WILL BE CONTROLLED BY A DEDICATED T-STAT.
2. PROVIDE CO2 SENSORS AT ALL CLASSROOMS, CONFERENCE ROOMS AND HIGH OCCUPANCY SPACES TO ALLOW FOR DEMAND CONTROL VENTILATION.
3. PROVIDE REFRIGERANT PIPEWORK AND CONDENSATE DRAIN CONNECTIONS TO ALL FAN COIL UNITS.
4. ELECTRICAL AND DATA ROOMS TO BE CONDITIONED WITH DEDICATED FAN COIL UNITS CONNECTED TO A SEPARATE SPLIT SYSTEM.
5. OPERABLE WINDOWS IN SPACES WITH FCU SHALL BE WIRED TO A CONTACT SENSOR THAT WILL DISABLE FCU WITHIN THE ZONE TO SAVE ENERGY AND ELIMINATE POTENTIAL FOR CONDENSATION ON THE COIL.
6. PROVIDE TURNING VANES ON ALL 90 DEG MITERED BENDS IN LINE WITH PROJECT SPECIFICATIONS.
7. PROVIDE MINIMUM RADIUS BENDS PER SPECIFICATION ACCORDING TO VELOCITY.
8. PROVIDE COMBINATION FIRE/SMOKE DAMPERS AT ALL FIRE RATED PARTITIONS. REFER TO ARCHITECTURAL PLANS
9. PROVIDE SPLITTER VANES AT ALL BULL END CONNECTIONS.
10. ALL FINAL CONNECTIONS TO BE PROVIDED WITH ACOUSTIC FLEX DUCTWORK INSULATED TO R-4 MINIMUM.
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BUREAU OF ENGINEERING
OFFICIAL RECORD

BID SET SUBMITTAL

CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS
BUREAU OF ENGINEERING
CITY OF LOS ANGELES

NO. | REVISIONS: | DATE: | BY:

BUILDING NO. XX/XX
INDEX NO. - RP 300094

REGISTERED PROFESSIONAL ENGINEER
JOHN GREGORY ROZELLUK
No. M34269
12/31/2016
MECHANICAL
STATE OF CALIFORNIA

GARY LEE MOORE, PE, ENV SP CITY ENGINEER
ARCHITECTURAL DIVISION LIC. NO. M-34269 DATE:
ENGINEER: JOHN ROZELLUK, PE
DESIGNED BY: JW
DRAWN BY: JW
CHECKED BY: BD
APPROVED BY: Approver

VERTICAL CONTROL:
HORIZONTAL CONTROL:

SHEET TITLE: POOL BUILDING & TENNIS BUILDING HVAC GROUND FLOOR PLAN
PROJECT: RANCHO CIENEGA SPORTS COMPLEX
ADDRESS: 5001 RODEO ROAD LOS ANGELES, CA 90016

WORK ORDER NO. E1907694
PLAN FILE NO.
DRAWING NO. M2.04
SHEET OF SHEETS
PLOTTED: —

REVISION DATES (DESIGN STAGE ONLY)

TEMPLATE SHEET REVISION DATE: 08/2014
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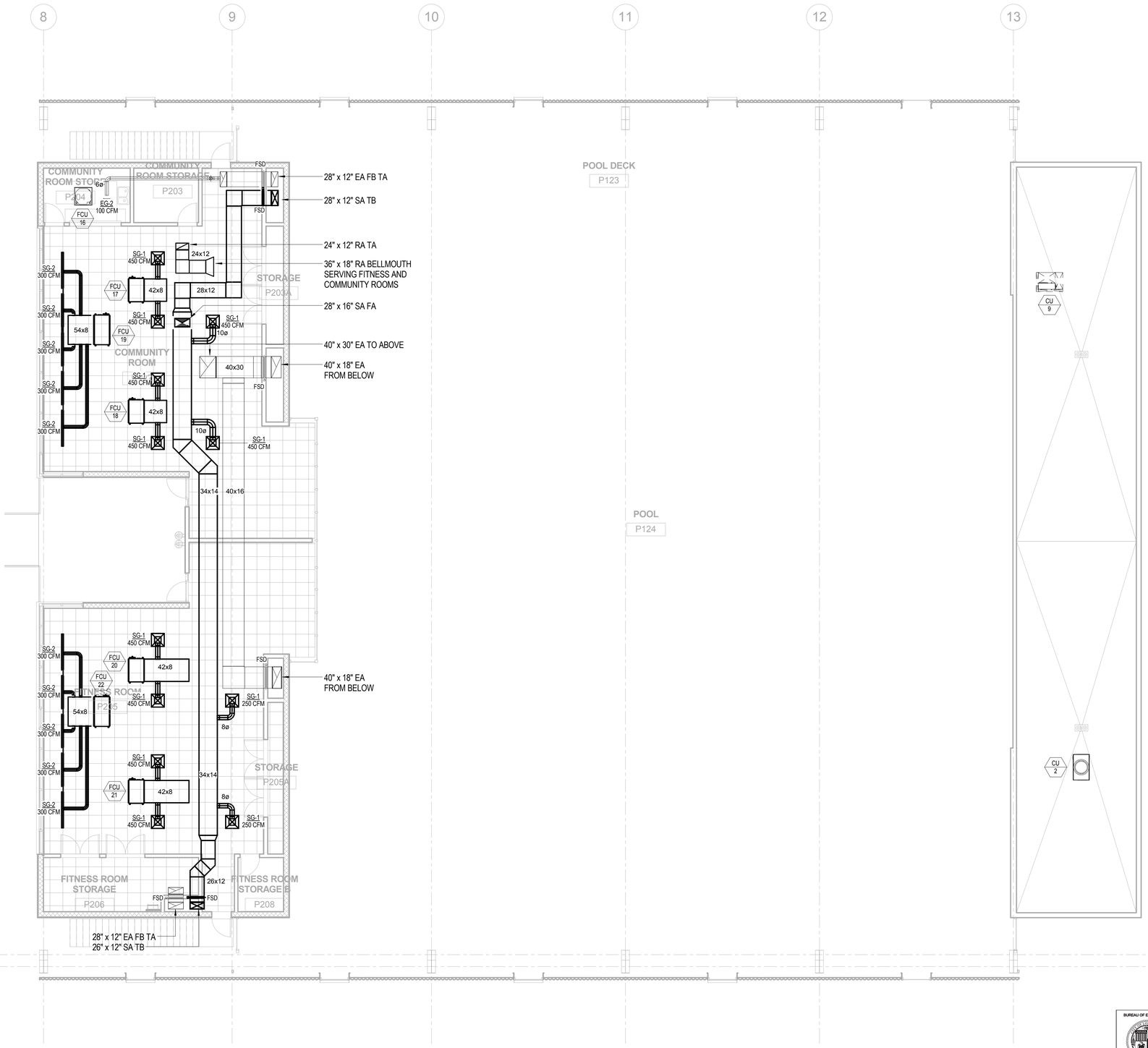

GENERAL NOTES

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1 MECHANICAL HVAC - MEZZANINE - POOL HALL
SCALE: 1/8" = 1'-0"

2 MECHANICAL HVAC - MEZZANINE - TENNIS
1/8" = 1'-0"

BUREAU OF ENGINEERING
OFFICIAL RECORD

BUREAU OF ENGINEERING
CITY OF LOS ANGELES

BUILDING NO. XX/XX
INDEX NO. - RP 300094

NO. | REVISIONS: | DATE: | BY:

REGISTERED PROFESSIONAL ENGINEER
JOHN GREGORY ROZELUK
No. M34269
MECHANICAL
STATE OF CALIFORNIA
04/30/2016

BID SET SUBMITTAL

CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS

GARY LEE MOORE, PE, ENV SP — CITY ENGINEER — DATE:
ARCHITECTURAL DIVISION
ENGINEER: JOHN ROZELUK, PE — LIC. NO. M-34269
DESIGNED BY: JW
DRAWN BY: JW
CHECKED BY: BD
APPROVED BY: Approver

SHEET TITLE: POOL BUILDING & TENNIS BUILDING HVAC MEZZANINE PLAN
PROJECT: RANCHO CIENEGA SPORTS COMPLEX
ADDRESS: 5001 RODEO ROAD LOS ANGELES, CA 90016

WORK ORDER NO. E1907694
PLAN FILE NO.
DRAWING NO. M2.05
SHEET OF SHEETS

PLOTTED: ----

REVISION DATES (DESIGN STAGE ONLY)

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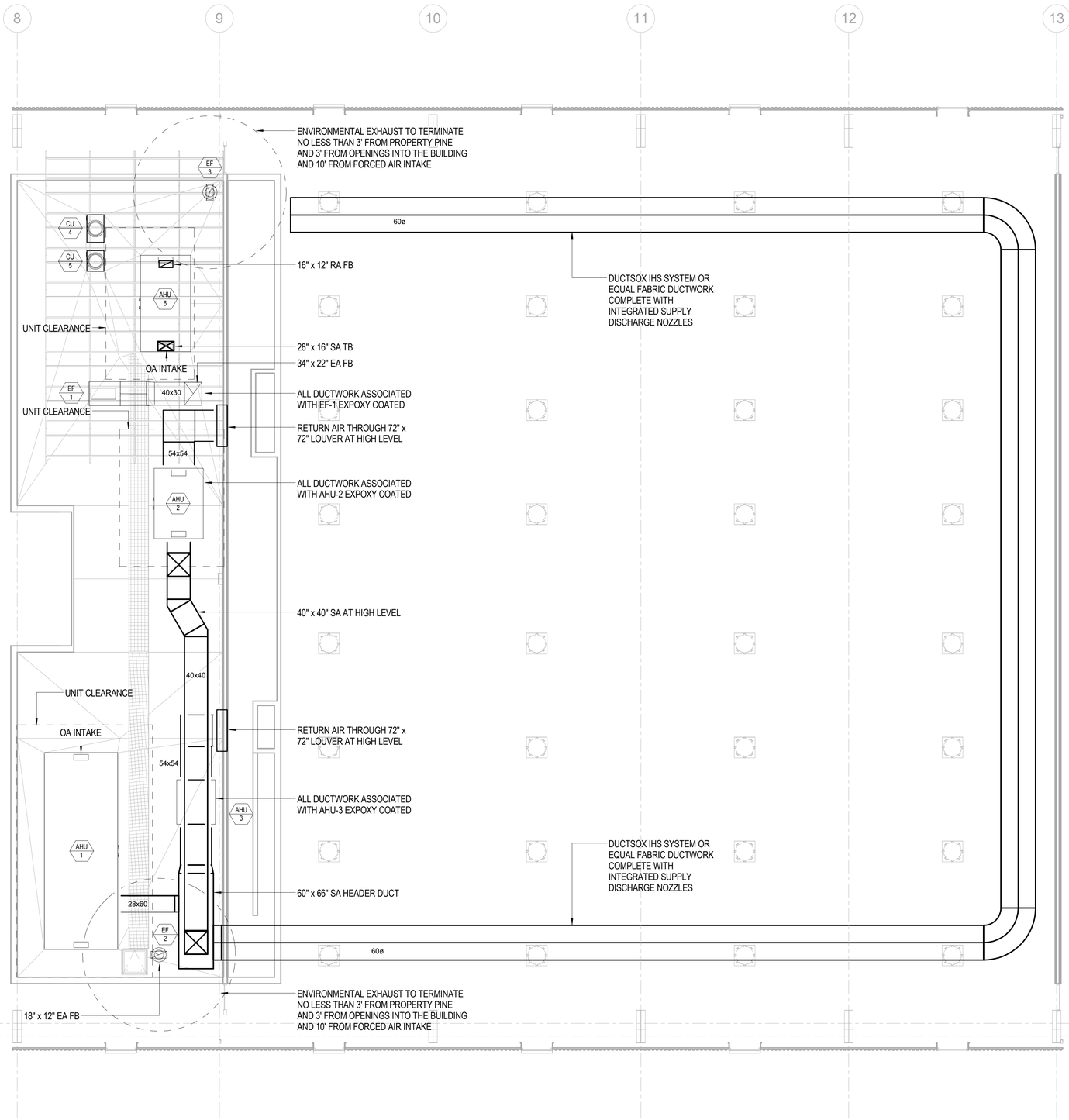

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ENGINEERING
CITY OF LOS ANGELES

NO. | REVISIONS: | DATE: | BY:

BUILDING NO. XX/XX

INDEX NO. - RP 300094

REGISTERED PROFESSIONAL ENGINEER
JOHN GREGORY ROZELUK
No. M34269
12/31/2016
MECHANICAL
STATE OF CALIFORNIA

BID SET SUBMITTAL

CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS

BUREAU OF ENGINEERING
OFFICIAL RECORD

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VERTICAL CONTROL:	
HORIZONTAL CONTROL:	
SHEET TITLE:	POOL BUILDING & TENNIS BUILDING HVAC ROOF PLAN
PROJECT:	RANCHO CIENEGA SPORTS COMPLEX
ADDRESS:	5001 RODEO ROAD LOS ANGELES, CA 90016

WORK ORDER NO. E1907694

PLAN FILE NO.

DRAWING NO. M2.06

SHEET OF SHEETS

PLOTTED: ----

CITY ENGINEER	DATE:
GARY LEE MOORE, PE, ENV SP	
ARCHITECTURAL DIVISION	
ENGINEER: JOHN ROZELUK, PE	LIC. NO. M-34269
DESIGNED BY: JW	
DRAWN BY: JW	
CHECKED BY: BD	
APPROVED BY: Approver	

REVISION DATES (DESIGN STAGE ONLY)

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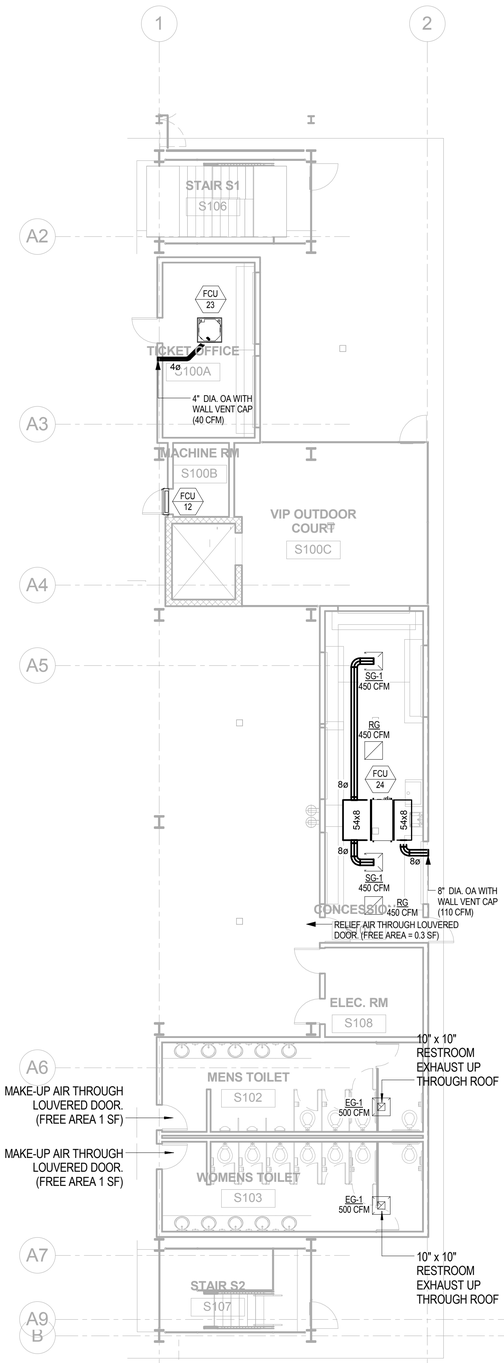
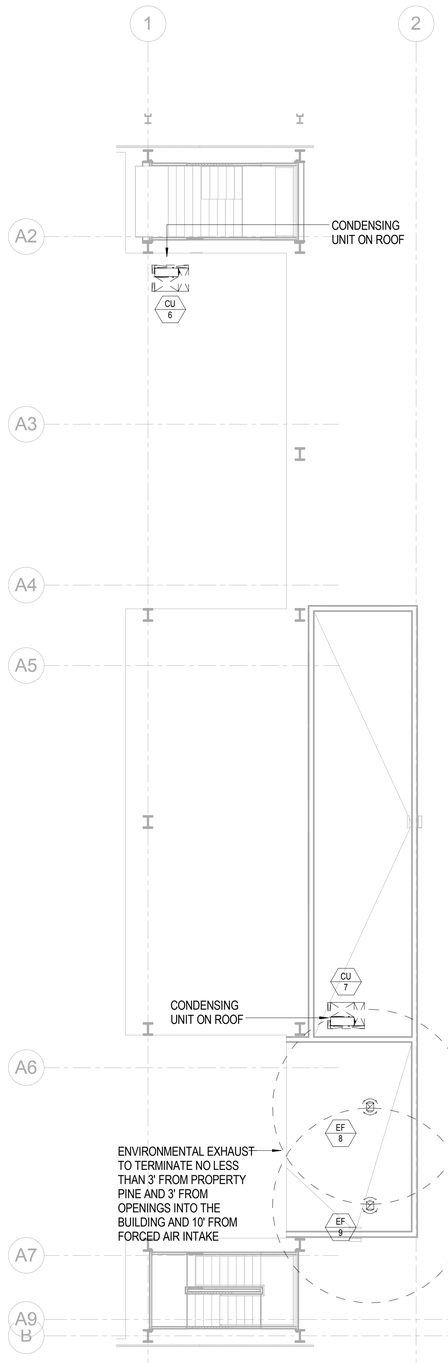
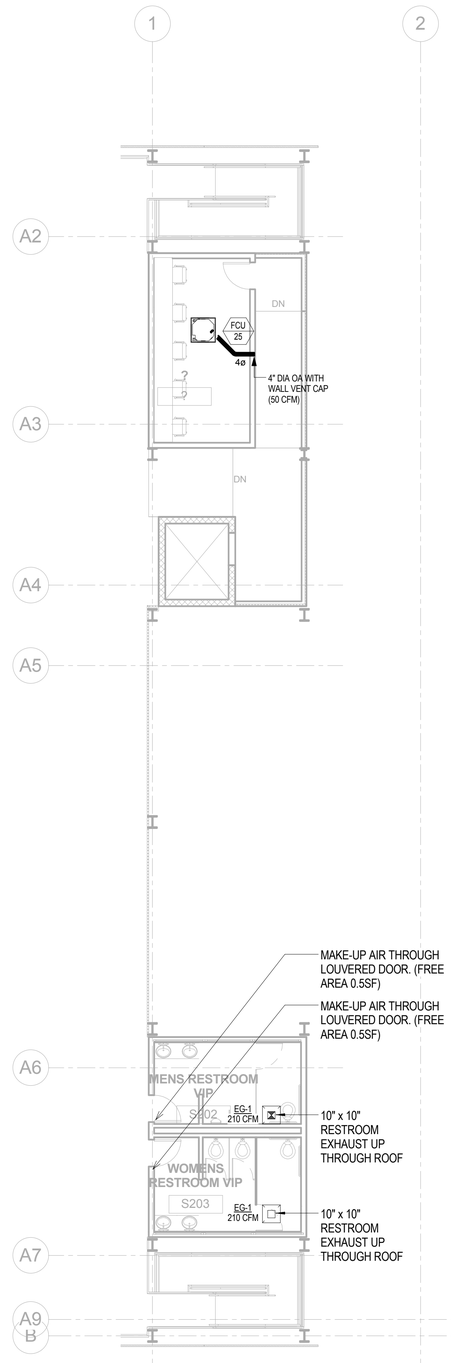


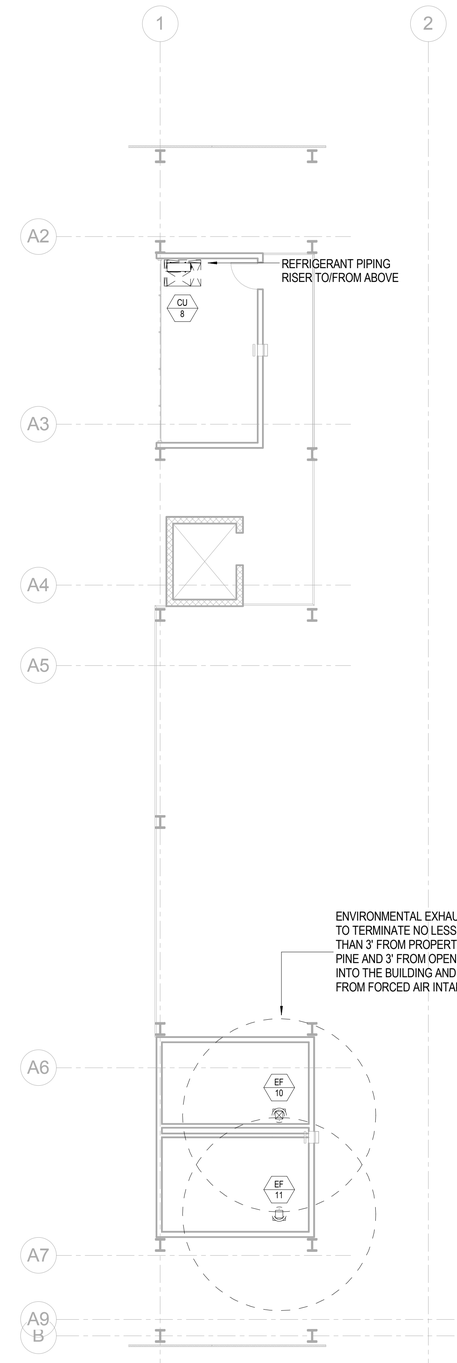
1 MECHANICAL HVAC - GROUND FLOOR - STADIUM
1/8" = 1'-0"



2 MECHANICAL HVAC - MEZZANINE - STADIUM
1/8" = 1'-0"



3 MECHANICAL HVAC - OVERLOOK PLAN - STADIUM
1/8" = 1'-0"



4 MECHANICAL HVAC - ROOF PLAN- STADIUM
1/8" = 1'-0"

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CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS
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ENGINEERING
CITY OF LOS ANGELES

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BUILDING NO. XX/XX
INDEX NO. - RP 300094

REGISTERED PROFESSIONAL ENGINEER
JOHN GREGORY ROZELUK
No. M34269
MECHANICAL
STATE OF CALIFORNIA
10/06/2016

CITY ENGINEER
GARY LEE MOORE, PE, ENV SP
DATE:
ARCHITECTURAL DIVISION
LIC. NO. M-34269
ENGINEER: JOHN ROZELUK, PE
DESIGNED BY: JW
DRAWN BY: Author
CHECKED BY: BD
APPROVED BY: Approver

VERTICAL CONTROL:
HORIZONTAL CONTROL:
SHEET TITLE: STADIUM BUILDING HVAC
PROJECT: RANCHO CIENEGA SPORTS COMPLEX
ADDRESS: 5001 RODEO ROAD LOS ANGELES, CA 90016

WORK ORDER NO. E1907694
PLAN FILE NO.
DRAWING NO. M2.07
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BUREAU OF ENGINEERING
ENGINEERING
CITY OF LOS ANGELES

NO. | REVISIONS: | DATE: | BY:

BUILDING NO. XX/XX

INDEX NO. - RP 300094

REGISTERED PROFESSIONAL ENGINEER
JOHN GREGORY ROZELUK
No. M34269
12-31-2016
MECHANICAL
STATE OF CALIFORNIA

BID SET SUBMITTAL

CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS

GARY LEE MOORE, PE, ENV SP CITY ENGINEER
ARCHITECTURAL DIVISION
ENGINEER: JOHN ROZELUK, PE LIC. NO. M-34269
DESIGNED BY: JW DATE:
DRAWN BY: JW
CHECKED BY: BD
APPROVED BY: Approver

VERTICAL CONTROL:
HORIZONTAL CONTROL:

SHEET TITLE: GYMNASIUM & ANCILLARY BUILDINGS VRF GROUND FLOOR PLAN

PROJECT: RANCHO CIENEGA SPORTS COMPLEX

ADDRESS: 5001 RODEO ROAD LOS ANGELES, CA 90016

BUREAU OF ENGINEERING
OFFICIAL RECORD

WORK ORDER NO. E1907694

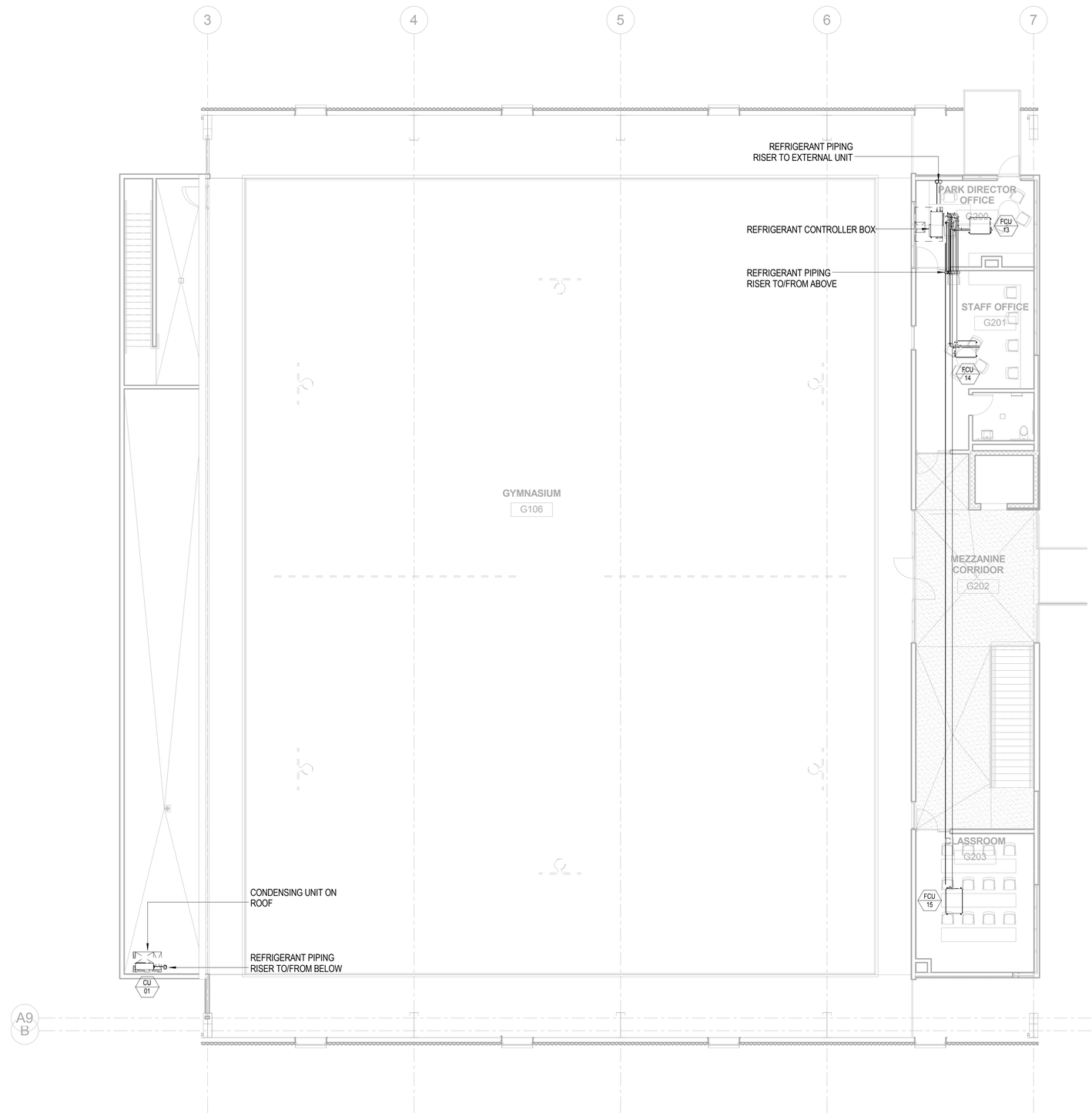
PLAN FILE NO.

DRAWING NO. M3.01

SHEET OF SHEETS

PLOTTED: ---

REVISION DATES (DESIGN STAGE ONLY)



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BUREAU OF ENGINEERING
ENGINEERING
CITY OF LOS ANGELES

NO. | REVISIONS: | DATE: | BY:

BUILDING NO. XX/XX

INDEX NO. - RP 300094

REGISTERED PROFESSIONAL ENGINEER
JOHN GREGORY ROZELUK
No. M34269
12/31/2016
MECHANICAL
STATE OF CALIFORNIA

BID SET SUBMITTAL

CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS

VERTICAL CONTROL:
HORIZONTAL CONTROL:

SHEET TITLE: GYMNASIUM & ANCILLARY BUILDINGS VRF MEZZANINE PLAN

PROJECT: RANCHO CIENEGA SPORTS COMPLEX

ADDRESS: 5001 RODEO ROAD LOS ANGELES, CA 90016

GARY LEE MOORE, PE, ENV SP CITY ENGINEER

ARCHITECTURAL DIVISION

ENGINEER: JOHN ROZELUK, PE LIC. NO. M-34269 DATE:

DESIGNED BY: JW

DRAWN BY: JW

CHECKED BY: BD

APPROVED BY: Approver

BUREAU OF ENGINEERING
OFFICIAL RECORD

WORK ORDER NO. E1907694

PLAN FILE NO.

DRAWING NO. M3.02

SHEET OF SHEETS

PLOTTED: ---

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REVISION DATES (DESIGN STAGE ONLY)

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TEMPLATE SHEET REVISION DATE: 08/2014
REVISION DATE: 7/21/2015 5:02 PM FILE: Z:\14-018 RANCHO CIENEGA SPORTS COMPLEX\DRAWINGS\CAD\BLOCKS\1ITTLEBLOCKS\ILA_BOE_TTLB_RCSC_DESIGN DEVELOPMENT.DWG

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BUREAU OF ENGINEERING
ENGINEERING
CITY OF LOS ANGELES

NO. | REVISIONS: | DATE: | BY:

BUILDING NO. XX/XX

INDEX NO. - RP 300094

REGISTERED PROFESSIONAL ENGINEER
JOHN GREGORY ROZELUK
No. M34269
MECHANICAL
STATE OF CALIFORNIA
12/16/2016

BID SET SUBMITTAL

BUREAU OF ENGINEERING
OFFICIAL RECORD

CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS

CITY ENGINEER: **GARY LEE MOORE, PE, ENV SP** DATE:
ARCHITECTURAL DIVISION
ENGINEER: JOHN ROZELUK, PE LIC. NO. M-34269
DESIGNED BY: JW
DRAWN BY: JW
CHECKED BY: BD
APPROVED BY: Approver

VERTICAL CONTROL:
HORIZONTAL CONTROL:

SHEET TITLE: GYMNASIUM & ANCILLARY BUILDINGS VRF ROOF PLAN

PROJECT: RANCHO CIENEGA SPORTS COMPLEX

ADDRESS: 5001 RODEO ROAD LOS ANGELES, CA 90016

WORK ORDER NO. E1907694

PLAN FILE NO.

DRAWING NO. M3.03

SHEET OF SHEETS

PLOTTED: ----

REVISION DATES (DESIGN STAGE ONLY)

THE CITY OF LOS ANGELES OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF ELECTRONIC COPIES OF THIS PLAN SHEET.

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REVISION DATES (DESIGN STAGE ONLY)

REFRIGERANT CONTROLLER BOX

REFRIGERANT PIPING RISER TO/FROM ABOVE

WOMENS LOCKER ROOM P113

WOMENS LOCKER ROOM TOILET P114

FEMALE LOCKER RM CORRIDOR P110

FEMALE STAFF CHECK P135

FEMALE STAFF LOCKER P109

FAMILY CHANGING ROOM P104

DIRECTOR OFFICE P103

FCU 5

LOBBY P100

FCU 7

STAFF OFFICE P102

FCU 6

FCU 8

GOLD ROOM STORAGE P105

FCU 9

FIRST AID P106

MENS BAG CHECK P116

MALE STAFF LOCKER P117

MENS LOCKER ROOM P122

MENS LOCKER ROOM TOILET P121

POOL DECK P123

POOL P124

POOL DECK P123

POOL STORAGE P126

REFRIGERANT PIPING RISER TO/FROM ABOVE

ELECTRICAL P132

FCU 26

EF 18

WATER TREATMENT P131

POOL SPECTATOR SEATING P125

POOL EQUIPMENT TANK 03 P130

EF 21

POOL EQUIPMENT TANK 02 P129

EF 20

POOL EQUIPMENT TANK 01 P128

EF 19

FCU 10

REFRIGERANT PIPING RISER TO/FROM ABOVE

EF 5

REFRIGERANT PIPING RISER TO/FROM ABOVE

POOL EQUIPMENT P127

FCU 11

A9 R

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BUREAU OF ENGINEERING
ENGINEERING
CITY OF LOS ANGELES

NO. | REVISIONS: | DATE: | BY:

BUILDING NO. XX/XX

INDEX NO. - RP 300094

REGISTERED PROFESSIONAL ENGINEER
JOHN GREGORY ROZELLUK
No. M34269
12/31/2016
MECHANICAL
STATE OF CALIFORNIA

BID SET SUBMITTAL

BUREAU OF ENGINEERING
OFFICIAL RECORD

CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS

VERTICAL CONTROL:
HORIZONTAL CONTROL:

SHEET TITLE: POOL BUILDING & TENNIS BUILDING VRF GROUND FLOOR PLAN

PROJECT: RANCHO CIENEGA SPORTS COMPLEX

ADDRESS: 5001 RODEO ROAD LOS ANGELES, CA 90016

GARY LEE MOORE, PE, ENV SP CITY ENGINEER DATE:

ARCHITECTURAL DIVISION LIC. NO. M-34269

ENGINEER: JOHN ROZELLUK, PE
DESIGNED BY: JW
DRAWN BY: JW
CHECKED BY: BD
APPROVED BY: Approver

WORK ORDER NO. E1907694
PLAN FILE NO.
DRAWING NO. M3.04
SHEET SHEETS OF

PLOTTED: —

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BUREAU OF ENGINEERING
CITY OF LOS ANGELES

BUILDING NO. XX/XX

INDEX NO. - RP 300094

NO. | REVISIONS: | DATE: | BY:

REGISTERED PROFESSIONAL ENGINEER
JOHN GREGORY ROZELUK
No. M34269
12-30-16
MECHANICAL
STATE OF CALIFORNIA

BID SET SUBMITTAL

CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS

GARY LEE MOORE, PE, ENV SP CITY ENGINEER DATE:

ARCHITECTURAL DIVISION

ENGINEER: JOHN ROZELUK, PE LIC. NO. M-34269

DESIGNED BY: JW

DRAWN BY: JW

CHECKED BY: BD

APPROVED BY: Approver

SHEET TITLE: POOL BUILDING & TENNIS BUILDING VRF MEZZANINE PLAN

PROJECT: RANCHO CIENEGA SPORTS COMPLEX

ADDRESS: 5001 RODEO ROAD LOS ANGELES, CA 90016

VERTICAL CONTROL:

HORIZONTAL CONTROL:

BUREAU OF ENGINEERING OFFICIAL RECORD

WORK ORDER NO. E1907694

PLAN FILE NO.

DRAWING NO. M3.05

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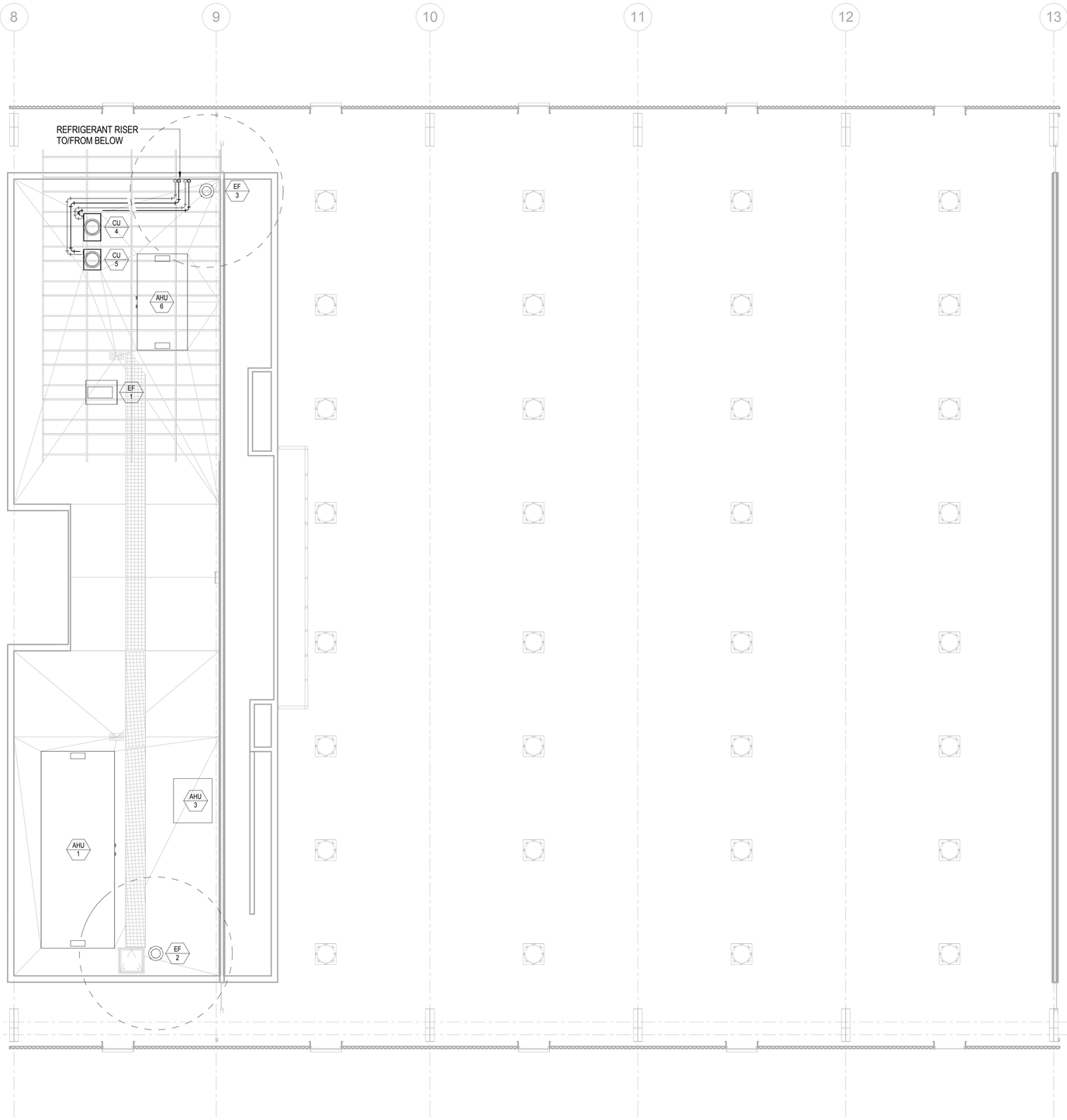

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3. PROVIDE REFRIGERANT PIPEWORK AND CONDENSATE DRAIN CONNECTIONS TO ALL FAN COIL UNITS.
4. ELECTRICAL AND DATA ROOMS TO BE CONDITIONED WITH DEDICATED FAN COIL UNITS CONNECTED TO A SEPARATE SPLIT SYSTEM.
5. OPERABLE WINDOWS IN SPACES WITH FCU SHALL BE WIRED TO A CONTACT SENSOR THAT WILL DISABLE FCU WITHIN THE ZONE TO SAVE ENERGY AND ELIMINATE POTENTIAL FOR CONDENSATION ON THE COIL.
6. PROVIDE TURNING VANES ON ALL 90 DEG MITERED BENDS IN LINE WITH PROJECT SPECIFICATIONS.
7. PROVIDE MINIMUM RADIUS BENDS PER SPECIFICATION ACCORDING TO VELOCITY.
8. PROVIDE COMBINATION FIRE/SMOKE DAMPERS AT ALL FIRE RATED PARTITIONS. REFER TO ARCHITECTURAL PLANS
9. PROVIDE SPLITTER VANES AT ALL BULL END CONNECTIONS.
10. ALL FINAL CONNECTIONS TO BE PROVIDED WITH ACOUSTIC FLEX DUCTWORK INSULATED TO R-4 MINIMUM.
11. ALL TRANSFER DUCTS TO BE ACOUSTICALLY LINED W/ 2" ACOUSTIC INSULATION.
12. NO VOLUME CONTROL DAMPERS INTEGRATED INTO GRILLES OR DAMPERS SHALL BE PERMITTED. PROVIDE VCD'S PER PLANS AND OMIT ONLY IF FINAL BRANCH CONNECTIONS ARE BALANCED.
13. ALL CONTROLS CABLING IN ACCESSIBLE LOCATIONS MAY USE J-HOOKS. ALL CONTROLS CABLING IN NON-ACCESSIBLE LOCATIONS SHOULD BE PROVIDED IN CONDUIT.
14. ALL EXPOSED DUCTWORK SHALL BE PAINTED/FINISHED AS PER ARCHITECTURAL PLANS AND DETAILS. DUCTWORK FINISHES SHALL BE PER SPECIFICATION 23 31 13.
15. ALL AIR DISTRIBUTION SYSTEM DUCTS AND PLENUMS, INCLUDING, BUT NOT LIMITED TO, BUILDING CAVITIES, SHALL BE INSTALLED, SEALED AND INSULATED TO MEET REQUIREMENTS OF CHAPTER 6 OF 2013 CMC. SUPPLY AND RETURN AIR DUCTS
16. CONVEYING COOLED OR HEATED AIR SHALL BE INSULATED TO A MINIMUM INSTALLED LEVEL OF R-8, UNLESS DUCTS ARE IN CONDITIONED SPACE.
17. GYMNASIUM, STADIUM BUILDING, AND TENNIS BUILDING RESTROOMS ARE MECHANICALLY EXHAUSTED BUT NOT COOLED OR HEATED.
18. INSULATE ALL FINAL CONNECTIONS TO TERMINAL UNITS, EXCLUDING VALVES ONLY.
19. ALL PENETRATIONS THROUGH FIRE RATED PARTITIONS TO BE SEALED PER STANDARD DETAILS. REFER TO ARCHITECTURAL PLANS FOR LOCATIONS.
20. COMMUNITY ROOM AND CLASSROOM TO BE TREATED AS ACOUSTICALLY SENSITIVE, PROVIDE ACOUSTIC TREATMENT OF ALL PENETRATIONS THROUGH PARTITIONS.
21. ALL EXPOSED PIPEWORK SHALL BE PAINTED/FINISHED AS NOTED PER ARCHITECTURAL PLANS AND DETAILS.
22. REFER TO DETAILS SHEET M500 SERIES FOR THE COMPONENTS REQUIRED AT FCU TERMINAL.
23. REFRIGERANT CONTAINMENT ROUTING FOR PIPING IS SHOWN IN ACCESSIBLE LOCATIONS. CONTRACTOR TO ADVISE ON LOCATIONS WHERE ACCESS TO CEILINGS WILL BE REQUIRED TO BOXES/EQUIPMENT.
24. PROVIDE WIRE MESH SCREEN AT ALL BELLMOUTHS.
25. REFRIGERANT PIPING SHALL BE PER MANUFACTURER'S SUBMITTALS AND INSTALLATION INSTRUCTIONS

BUREAU OF ENGINEERING
OFFICIAL RECORD

N

BID SET SUBMITTAL

CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS

BUREAU OF ENGINEERING

ENGINEERING
CITY OF LOS ANGELES

NO.	REVISIONS:	DATE:	BY:

BUILDING NO. XX/XX

INDEX NO. - RP 300094

REGISTERED PROFESSIONAL ENGINEER
JOHN GREGORY ROZELUK
No. M34269
12/31/2016
MECHANICAL
STATE OF CALIFORNIA

GARY LEE MOORE, PE, ENV SP CITY ENGINEER
ARCHITECTURAL DIVISION
ENGINEER: JOHN ROZELUK, PE LIC. NO. M-34269 DATE:
DESIGNED BY: JW
DRAWN BY: JW
CHECKED BY: BD
APPROVED BY: Approver

SHEET TITLE: POOL BUILDING & TENNIS BUILDING VRF ROOF PLAN

PROJECT: RANCHO CIENEGA SPORTS COMPLEX

ADDRESS: 5001 RODEO ROAD
LOS ANGELES, CA 90016

VERTICAL CONTROL:
HORIZONTAL CONTROL:

WORK ORDER NO. E1907694
PLAN FILE NO.
DRAWING NO. M3.06
SHEET OF SHEETS

PLOTTED: ----

REVISION DATES (DESIGN STAGE ONLY)

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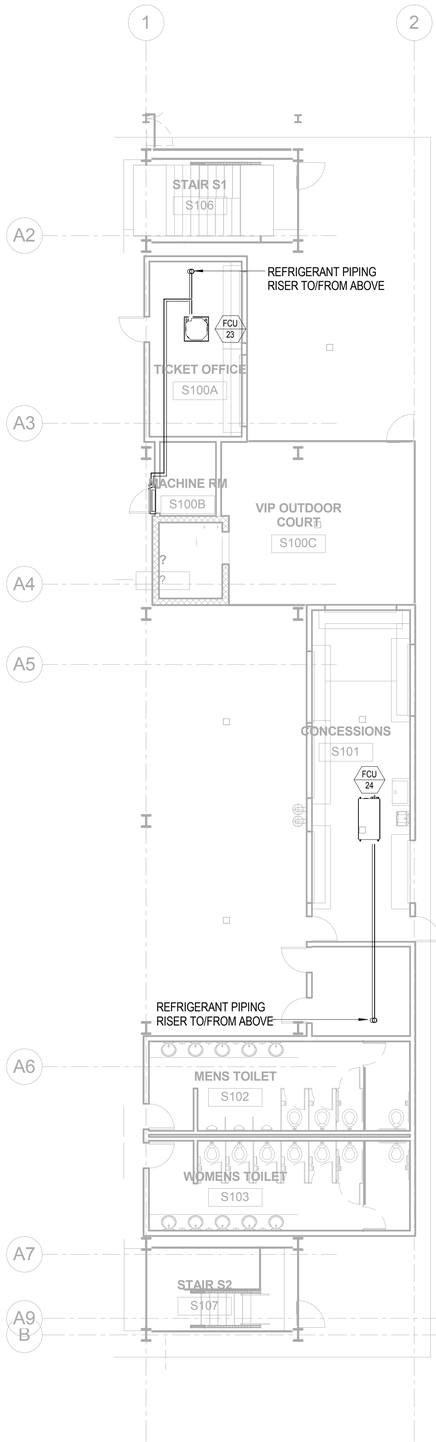
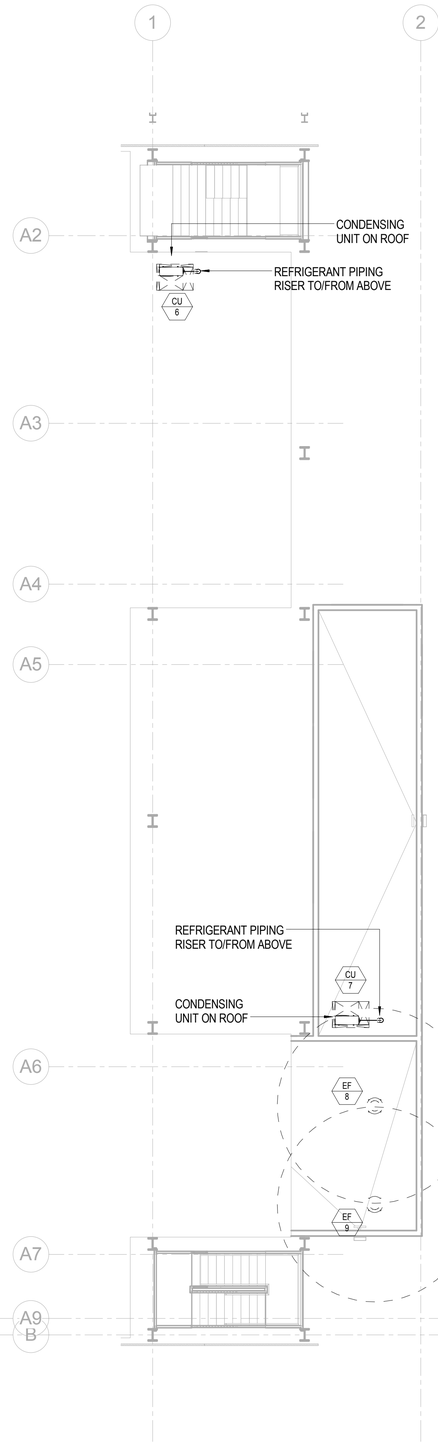
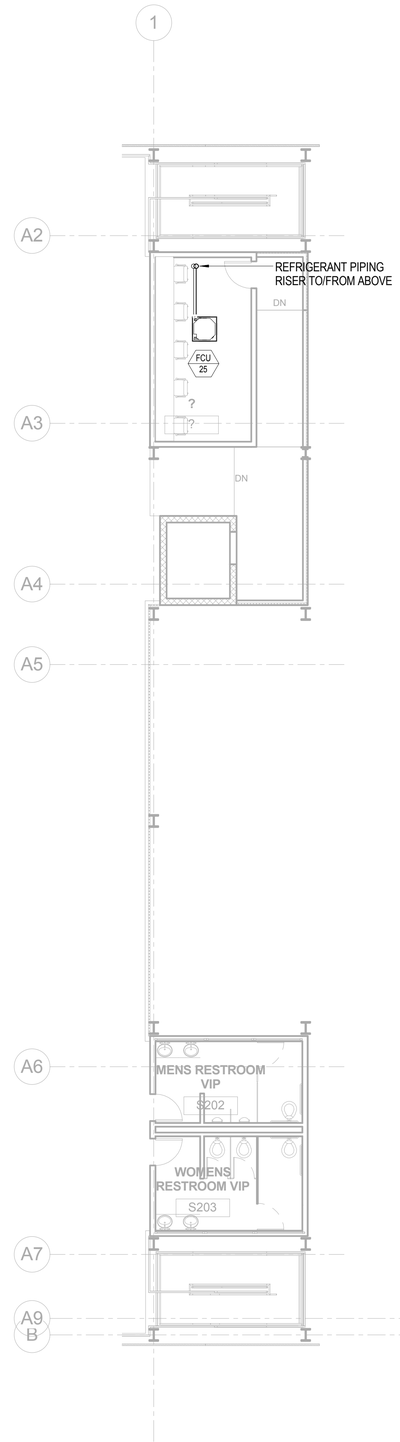
TEMPLATE SHEET REVISION DATE: 08/20/14
REVISION DATE: 7/21/2015 5:02 PM FILE: Z:\14-018 RANCHO CIENEGA SPORTS COMPLEX\DRAWINGS\CAD\BLOCKS\TITLEBLOCKS\LA_BOE_TTLB_RCSC_DESIGN DEVELOPMENT.DWG



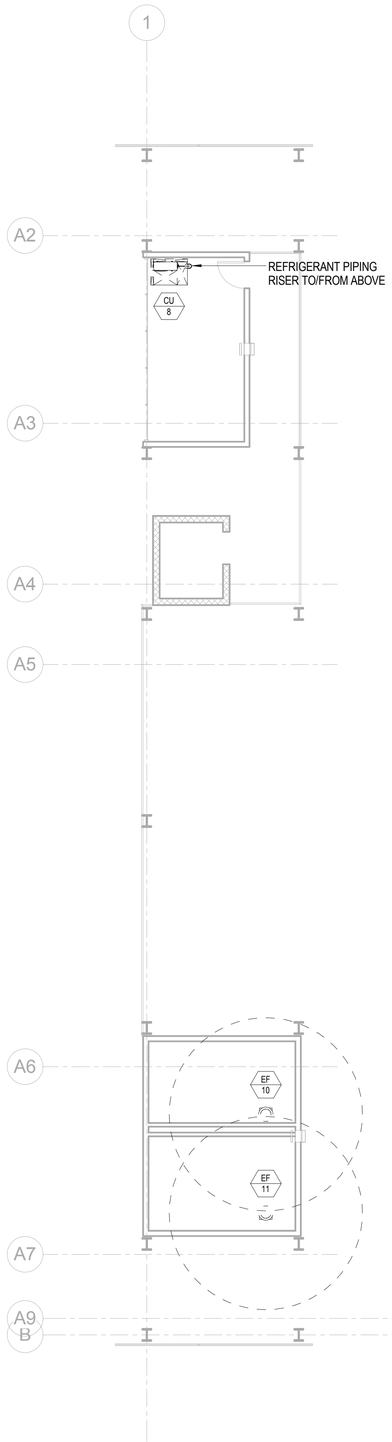
1 MECHANICAL PIPING - GROUND FLOOR - STADIUM
1/8" = 1'-0"



2 MECHANICAL PIPING - MEZZANINE - STADIUM
1/8" = 1'-0"



3 MECHANICAL PIPING - OVERLOOK PLAN - STADIUM
1/8" = 1'-0"



4 MECHANICAL PIPING - ROOF PLAN- STADIUM
1/8" = 1'-0"

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CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS

VERTICAL CONTROL:
HORIZONTAL CONTROL:

SHEET TITLE: STADIUM BUILDING VRF

PROJECT: RANCHO CIENEGA SPORTS COMPLEX
ADDRESS: 5001 RODEO ROAD
LOS ANGELES, CA 90016

WORK ORDER NO. E1907694
PLAN FILE NO.
DRAWING NO. M3.07
SHEET SHEETS OF

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CITY OF LOS ANGELES

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BUILDING NO. XX/XX
INDEX NO. - RP 300094

REGISTERED PROFESSIONAL ENGINEER
JOHN GREGORY ROZELUK
No. M34269
12/31/2016
MECHANICAL
STATE OF CALIFORNIA

CITY ENGINEER: GARY LEE MOORE, PE, ENV SP
ARCHITECTURAL DIVISION
ENGINEER: JOHN ROZELUK, PE | LIC. NO. M-34269
DESIGNED BY: JW
DRAWN BY: Author
CHECKED BY: BD
APPROVED BY: Approver
DATE:

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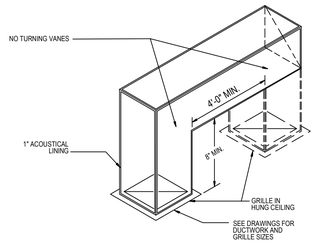
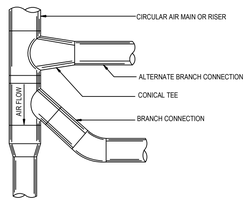
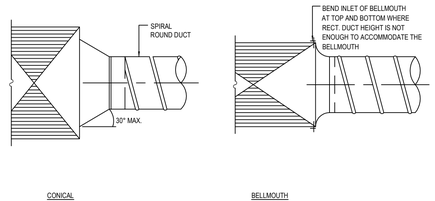


1 AIR TRANSFER ASSEMBLY (ROOM TO CEILING OR ROOM)
SCALE : NTS

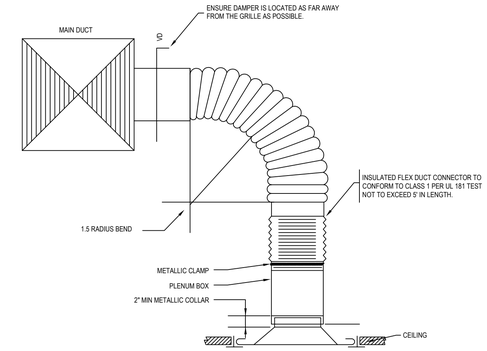


5 ROUND DUCT CONNECTIONS
SCALE : NTS



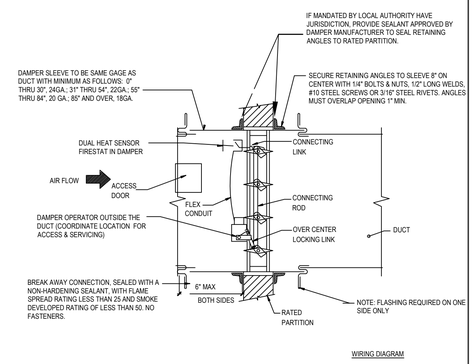
NOTES
1. SECURE ALL CONNECTIONS TO COMPLY WITH THE REQUIREMENTS OF THE PRESSURE CLASS SPECIFIED.
2. SUPPLY ROUND DUCT TAKE-OFF IS SHOWN.RETURN/EXHAUST SIMILAR.
3. "SPIN-INS" PERMITTED ONLY W/DUCT CONSTRUCTION OF 2" W.C. OR LESS.

3 ROUND TAKE OFF CONNECTION TO RECTANGULAR
SCALE : NTS



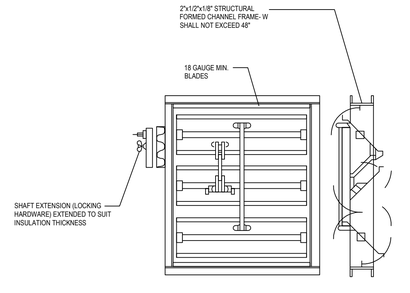
NOTES
1. FLEX DUCTS OVER 12" SHALL HAVE THE METAL CLAMP POSITIONED BEHIND A BEAD ON THE METAL COLLAR
2. SIDE PLENUM CONNECTIONS ALSO PERMITED

4 FLEXIBLE CONNECTION TO PLENUM BOX
SCALE : NTS



NOTES
1. DAMPER TO BE U.L. LABELED.
2. N.F.P.A. APPROVED INSTALLATION DETAILS TO BE PART OF SUBMISSION OF COMBINATION FIRE & SMOKE DAMPER FOR APPROVAL, WHICH SHALL MEET N.F.P.A. STANDARD 90A.
3. DETAILS SHOWN ARE FOR COMBINATION FIRE SMOKE DAMPERS IN HORIZONTAL DUCTWORK. FOR DAMPERS IN VERTICAL DUCTWORK, DETAIL IS SIMILAR.
4. INSTALL DAMPER IN ACCORDANCE WITH MANUFACTURERS REQUIREMENTS.
5. ACTUATOR TO HAVE AN ADDRESSABLE DAMPER POSITION INDICATOR.

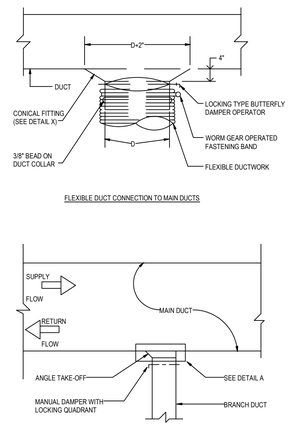
5 FIRE SMOKE DAMPER
SCALE : NTS

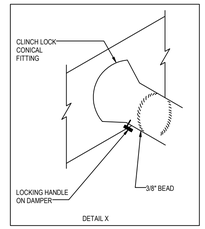


OPPOSED BLADE ACTION DAMPER

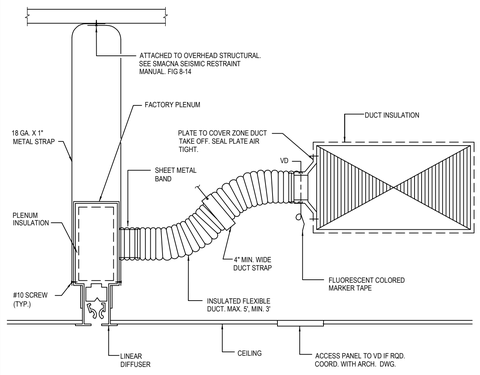
NOTES
1. ALL BRANCH DUCTS SHALL HAVE VOLUME DAMPERS.

6 OPPOSED BLADE VOLUME DAMPER
SCALE : NTS



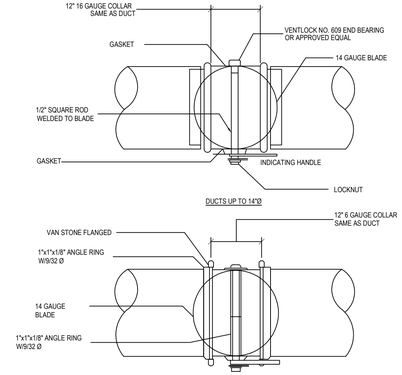


7 LOW PRESSURE BRANCH DUCT CONNECTIONS
SCALE : NTS



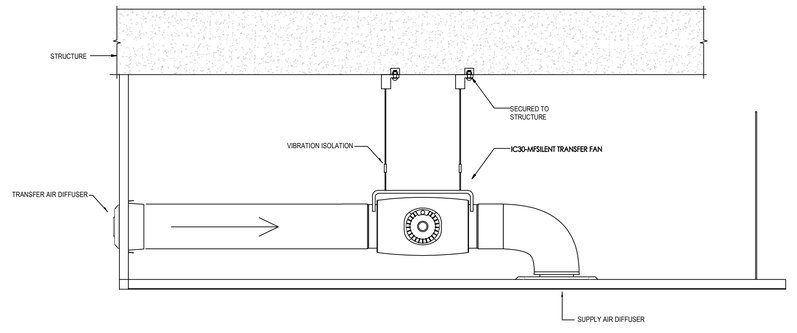
NOTES
1. FLEX DUCT INSTALLED PER MANUFACTURERS LISTING.

8 LINEAR DIFFUSER CONNECTION
SCALE : NTS



NOTES
1. WHEREVER POSSIBLE, DAMPER BLADE SHALL BE INSTALLED IN VERTICAL POSITION.
2. FOR DUCTS OVER 22Ø USE OPPOSED BLADE VOLUME DAMPER.
3. ALL QUADRANT OPERATORS SHALL BE EXTENDED TO OUTSIDE OF INSULATION

9 ROUND VOLUME DAMPER
SCALE : NTS



10 POOL SPECTATOR AREA TRANSFER FAN SECTION
SCALE : NTS

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TEMPLATE SHEET REVISION DATE: 08/2014
REVISION DATE: 12/19/2016 12:21 PM
FILE: O:\033386 RANCHO CIENEGA SPORTS COMPLEX\BIM\F05 MEP\CAD\SHEET\M\M-5.01.DWG

BUREAU OF ENGINEERING
CITY OF LOS ANGELES

BUILDING NO. XX/XX

INDEX NO. - RP 300094

REVISIONS: NO. | DATE: | BY:

REGISTERED PROFESSIONAL ENGINEER
JOHN GREGORY ROZELUK
No. M34269
EXP. 12/31/2016
MECHANICAL
STATE OF CALIFORNIA

BID SET SUBMITTAL

CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS

GARY LEE MOORE, PE, ENV SP CITY ENGINEER

ARCHITECTURAL DIVISION

ARCHITECT: JOHN ROZELUK, PE LIC. NO. M-34269 DATE:

DESIGNED BY: JW

DRAWN BY: JW

CHECKED BY: BD

APPROVED BY: Approver

VERTICAL CONTROL:
HORIZONTAL CONTROL:

SHEET TITLE: MECHANICAL DETAILS

PROJECT: RANCHO CIENEGA SPORTS COMPLEX

ADDRESS: 5001 RODEO ROAD LOS ANGELES, CA 90016

BUREAU OF ENGINEERING OFFICIAL RECORD

WORK ORDER NO. E1907694

PLAN FILE NO.

DRAWING NO. M-5.01

SHEET OF SHEETS

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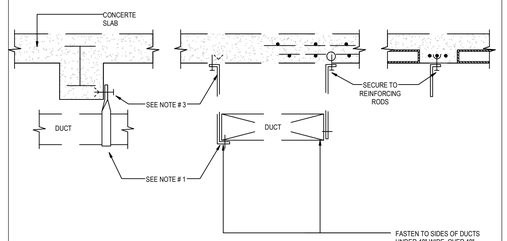


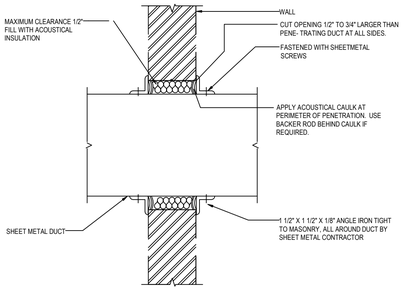
NOTES

1. METAL HANGER LOAD NOT TO EXCEDE 50 LBS.
2. FOR NON-STEEL DUCTS HANGERS TO BE ISOLATED TO PREVENT GALVANIC ACTION.
3. HANGERS SHALL BE SAME MATERIAL AS DUCTWORK BEING SUPPORT.

1 DUCT HANGER FROM CONCRETE UNINSULATED

SCALE : NTS

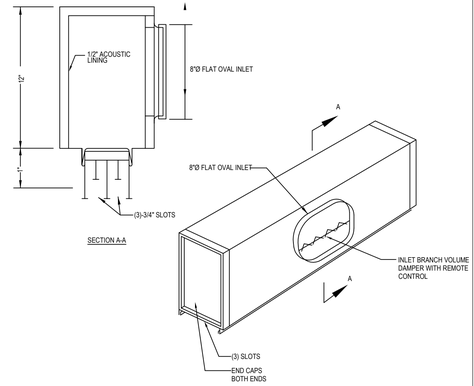
MATERIAL USE NOTE:
WHERE A PENETRATION OCCURS THROUGH A FIRE RATED WALL THE CONTRACTOR SHALL USE PRODUCTS THAT ARE SPECIFICALLY UL LISTED FOR THIS PURPOSE.



REFER TO SHEET A561 OF THE ARCHITECTURAL SET FOR AIRTIGHTNESS DETAILS

2 DUCT PENETRATING NON-RATED WALLS

SCALE : NTS



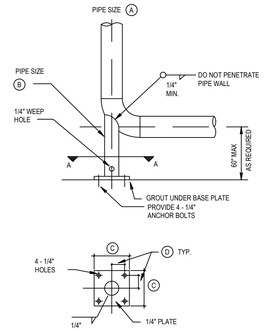
NOTES

1. PROVIDE TRANSITION FROM 12X6 TO 8'0 FLAT OVAL.

3 LINEAR DIFFUSER AND PLENUM CONNECTION

SCALE : NTS

SIZE SECHEDULE			
A	B	C	D
2-3"	1"	8"	2"
4-6"	2"	8"	2"
8-10"	3"	12"	4"
12" UP	4"	12"	4"



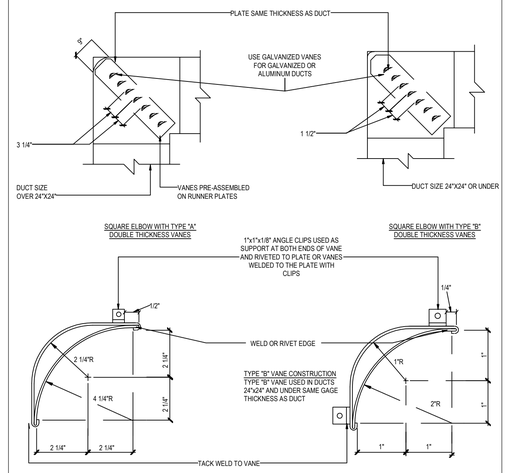
SECTION A-A

NOTE:

1. INSULATE BASE ELBOW SUPPORTS ON ALL LOW TEMPERATURE SERVICE.

4 BASE ELBOW SUPPORT DETAIL

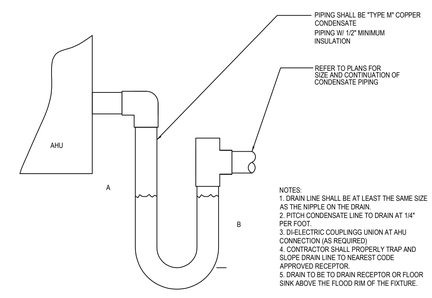
SCALE : NTS



5 SQUARE DUCT ELBOWS

SCALE : NTS

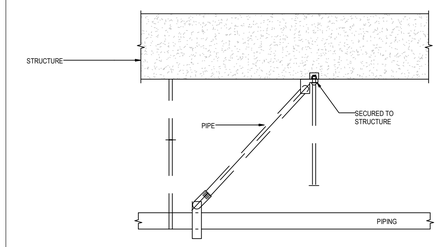
MINIMUM CONDENSATE PIPE SIZE			
AHU #	DIMENSION 'A'	DIMENSION 'B'	TOTAL DROP (A+B) (PIPE DIA NOT INCLUDED)
AHU 1			
AHU 2			
AHU 3			
AHU 4			
AHU 5			
AHU 6			



NOTES:
1. DRAIN LINE SHALL BE AT LEAST THE SAME SIZE AS THE NIPPLE ON THE DRAIN.
2. PITCH CONDENSATE LINE TO DRAIN AT 1/4" PER FOOT.
3. DI-ELECTRIC COUPLINGS UNION AT AHU CONNECTION (AS REQUIRED)
4. CONTRACTOR SHALL PROPERLY TRAP AND SLOPE DRAIN LINE TO NEAREST CODE APPROVED RECEPTOR.
5. DRAIN TO BE TO DRAIN RECEPTOR OR FLOOR SINK ABOVE THE FLOOD RIM OF THE FIXTURE.

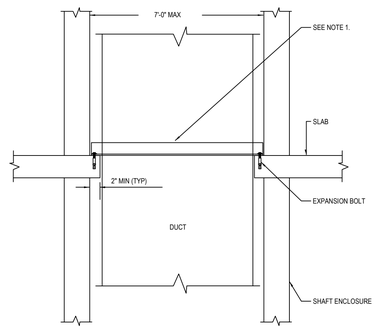
6 MECHANICAL UNIT CONDENSATE DRAIN

SCALE : NTS



7 LONGITUDINAL BRACING DETAIL

SCALE : NTS

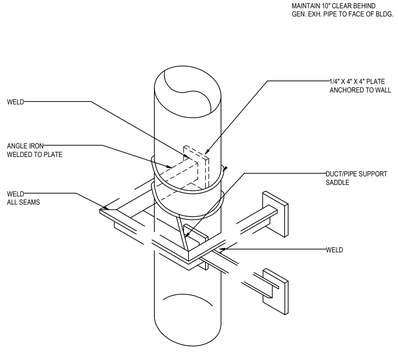


NOTES

1. FOR GALVANIZED STEEL DUCTWORK: ATTACH DUCT TO STEEL ANGLE WITH SHEET METAL SCREWS AND APPLY DUCT SEALANT AT PENETRATIONS.
2. DUCTWORK SUPPORTS TO BE INSTALLED IN LINE WITH SMACNA GUIDELINES.
3. FINAL CONFIRMATION OF SUPPORTS TO BE AGREED WITH STRUCTURAL ENGINEER.

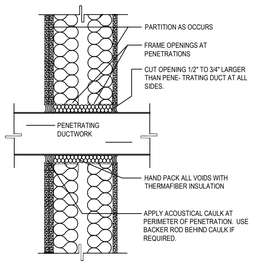
8 SUPPORT IN SHAFT ENCLOSURE

SCALE : NTS



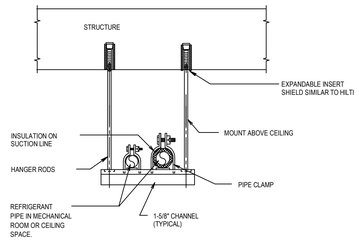
9 SUPPORT SYSTEM FOR VERTICAL DUCT - UNINSULATED

SCALE : NTS



10 DUCTWORK PARTITION PENETRATION DETAIL

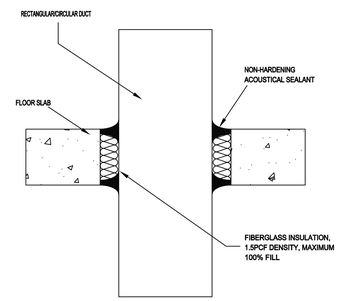
SCALE : NTS



11 REFRIGERATION PIPEWORK SUPPORT AT CEILING

SCALE : NTS

MATERIAL USE NOTE:
WHERE A PENETRATION OCCURS THROUGH A FIRE RATED FLOOR SLAB THE CONTRACTOR SHALL USE PRODUCTS THAT ARE SPECIFICALLY UL LISTED FOR THIS PURPOSE.



4 ISOLATED DUCT PENETRATION THRU FLOOR SLAB

SCALE : NTS

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REVISION DATES (DESIGN STAGE ONLY)

BUREAU OF ENGINEERING
CITY OF LOS ANGELES
ENGINEERING

NO.	REVISIONS:	DATE:	BY:

BUILDING NO. XX/XX

INDEX NO. -

RP 300094

REGISTERED PROFESSIONAL ENGINEER
JOHN GREGORY ROZELUK
No. M34269
EXP. 12/31/2016
MECHANICAL
STATE OF CALIFORNIA

BID SET SUBMITTAL

CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS

VERTICAL CONTROL:
HORIZONTAL CONTROL:

SHEET TITLE: MECHANICAL DETAILS

PROJECT: RANCHO CIENEGA SPORTS COMPLEX

ADDRESS: 5001 RODEO ROAD
LOS ANGELES, CA 90016

GARY LEE MOORE, PE, ENV SP CITY ENGINEER
ARCHITECTURAL DIVISION
LIC. NO. M-34269

ARCHITECT: JOHN ROZELUK, PE
DESIGNED BY: JW
DRAWN BY: JW
CHECKED BY: BD
APPROVED BY: Approver
DATE:

WORK ORDER NO.
E1907694

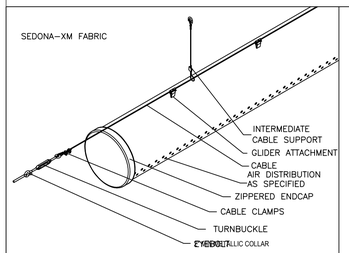
PLAN FILE NO.

DRAWING NO.
M-5.02

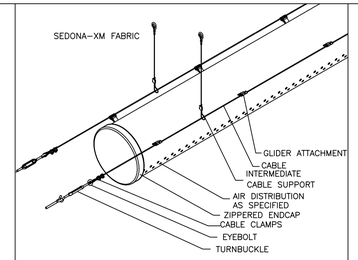
SHEET OF SHEETS

PLOTTED: 12/19/2016 1:43 PM

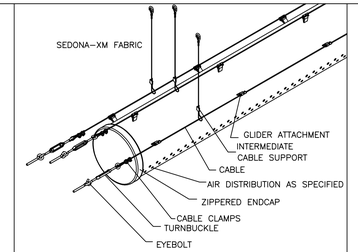
DUCTSOX (SEDONA -XM FABRIC)



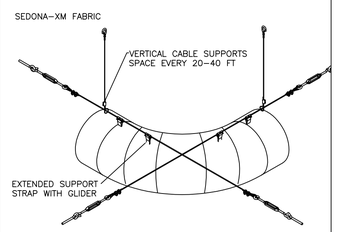
SUSPENSION DETAIL
1 ROW CABLE SUSPENSION AT 12 O'CLOCK



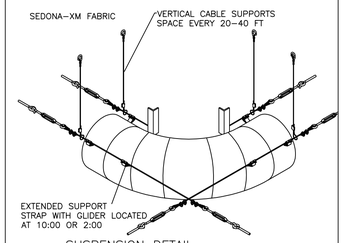
2 ROW CABLE SUSPENSION AT 10&2 O'CLOCK



SUSPENSION DETAIL
3 ROW CABLE SUSPENSION AT 10, 12, & 2 O'CLOCK

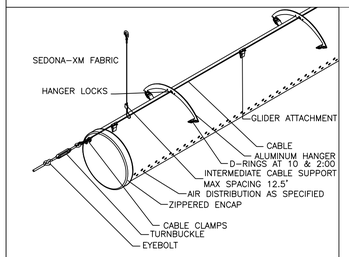


SUSPENSION DETAIL
RADIUS ELBOW, 1 ROW CABLE SUSPENSION

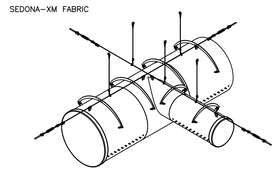


SUSPENSION DETAIL
RADIUS ELBOW, 2 ROW CABLE SUSPENSION

HANGER (3x1) CABLE

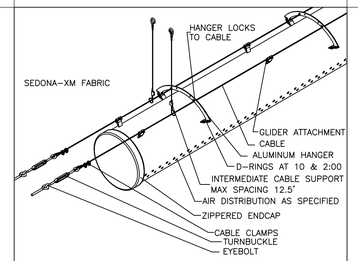


SUSPENSION DETAIL
HANGER (3x1) SUSPENSION, CABLE AT 12 O'CLOCK
HANGER SUPPORTS DUCTSOX AT 10 & 2 O'CLOCK



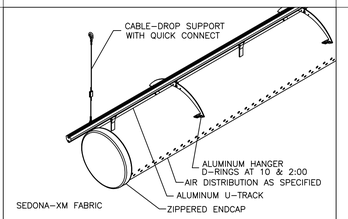
SUSPENSION DETAIL
FLAT ON TOP TEE
HANGER (3x1) SUSPENSION, CABLE AT 12 O'CLOCK
HANGER SUPPORTS DUCTSOX AT 10 & 2 O'CLOCK

HANGER (4x2) CABLE



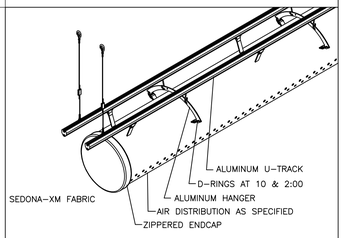
SUSPENSION DETAIL
HANGER (4x2) SUSPENSION, CABLE AT 11 & 1 O'CLOCK
HANGER SUPPORTS DUCTSOX AT 10 & 2 O'CLOCK

HANGER (3x1) U-TRACK



SUSPENSION DETAIL
HANGER (3x1) SUSPENSION, U–TRACK AT 12 O'CLOCK
HANGER SUPPORTS DUCTSOX AT 10 & 2 O'CLOCK

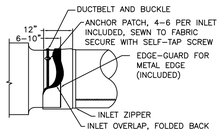
HANGER (4x2) U-TRACK



HANGER (4x2) SUSPENSION, U–TRACK AT 11 & 1 O'CLOCK
HANGER SUPPORTS DUCTSOX AT 10 & 2 O'CLOCK

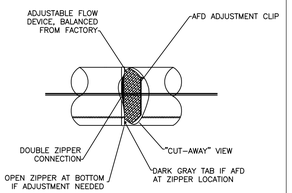
DUCTSOX (SKELECORE FTS)

INLET DETAIL



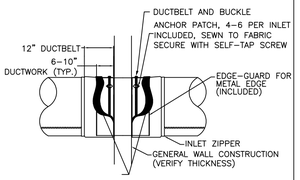
INLET ATTACHMENT DETAIL
CONSTRUCTION WITH ZIPPER AND OVERLAP

COMPONENTS

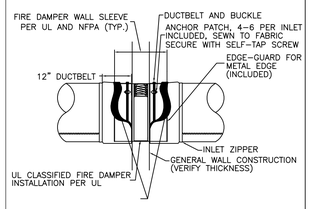


ADJUSTABLE FLOW DEVICE (AFD)
INSTALLED AT ZIPPER LOCATION AT INLET OR AS SPECIFIED IN OTHER LOCATIONS. ZIPPER TO ZIPPER CONNECTION AS SHOWN. EXTERNAL LABEL IDENTIFIES LOCATION

WALL DETAILS

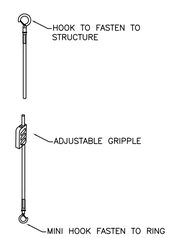


DUCTSOX PENETRATION AT WALL
TUFTEX TYPE WITH ZIPPER AND OVERLAP

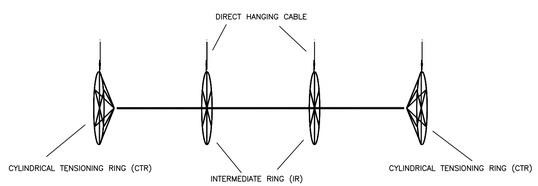


DUCTSOX INSTALLATION AT FIRE DAMPER
TUFTEX TYPE WITH ZIPPER AND OVERLAP

FTS SUPPORT

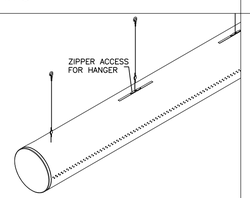


SKELECORE FTS (FABRIC TENSIONING SYSTEM)



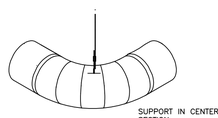
SUSPENSION DETAIL
SKELECORE FABRIC TENSIONING SYSTEM DETAIL

STRAIGHT



SUSPENSION DETAIL
STRAIGHT SECTION SKELECORE FTS

ELBOW



SUSPENSION DETAIL
RADIUS SKELECORE FTS ELBOW

TEE

SUSPENSION DETAIL
FLAT ON TOP TEE

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REVISION DATES (DESIGN STAGE ONLY)

TEMPLATE SHEET REVISION DATE: 08/2014
REVISION DATE: 12/19/2016 12:21 PM
FILE: O:\033398 RANCHO CIENEGA SPORTS COMPLEX\BIM\F05 MEP\CAD\SHEET\M\M-5.03.DWG

BUREAU OF ENGINEERING
CITY OF LOS ANGELES
ENGINEERING

NO.	REVISIONS:	DATE:	BY:

BUILDING NO. XX/XX
INDEX NO. - RP 300094

REGISTERED PROFESSIONAL ENGINEER
JOHN GREGORY ROZELUK
No. M34269
12/19/2016
MECHANICAL
STATE OF CALIFORNIA

BID SET SUBMITTAL
DEPARTMENT OF PUBLIC WORKS
CITY OF LOS ANGELES

GARY LEE MOORE, PE, ENV SP CITY ENGINEER
ARCHITECTURAL DIVISION
ARCHITECT: JOHN ROZELUK, PE
LIC. NO. M-34269
DESIGNED BY: JW
DRAWN BY: JW
CHECKED BY: BD
APPROVED BY: Approver
DATE:

VERTICAL CONTROL:
HORIZONTAL CONTROL:

SHEET TITLE: MECHANICAL DETAILS
PROJECT: RANCHO CIENEGA SPORTS COMPLEX
ADDRESS: 5001 RODEO ROAD LOS ANGELES, CA 90016

BUREAU OF ENGINEERING OFFICIAL RECORD

WORK ORDER NO. E1907694
PLAN FILE NO.
DRAWING NO. M-5.03
SHEET OF SHEETS

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REVISION DATES (DESIGN STAGE ONLY)

10,200 CFM|OA
AHU 01
10,200 CFM|SA 26"x60"

AHU 02
7,500 CFM |SA 40"x40"
7,500 CFM |RA 54"x54"

EF 01
AHU 03
20,000 CFM|SA 54"x54"
20,000 CFM|RA 54"x54"
11,000 CFM|EA 40"x30"

POOL DECK

EF 02
1,700 CFM |EA 28"x12"

EF 03
1,800 CFM |EA 28"x12"

2,000 CFM |RA 24"x12"
6,000 CFM |SA 24"x12"
AHU 06
1,000 CFM |RA 24"x12"

ROOF MECH

1,050 CFM |SA 28"x12"
1,000 CFM |SA 34"x14"

FCU 20 FCU 21 FCU 22 — FITNESS ROOM
FITNESS ROOM STORAGE
FCU 17 FCU 18 FCU 19 — COMMUNITY ROOM
FCU 16 — COMMUNITY ROOM STORE

MEZZ LEVEL

940 CFM |SA 28"x12"

FCU 7 — STAFF OFFICE
FCU 5 — DIRECTOR OFFICES
FAMILY CHANGING
WOMENS BAG CHECK
WOMENS LOCKER ROOM CORRIDOR
WOMENS STAFF LOCKER
WOMENS LOCKER ROOM WC
WOMENS CHANGE & SHOWER

1,050 CFM |SA 28"x12"

FCU 6 — LOBBY
MENS LOCKER ROOM
MENS LOCKER ROOM WC
MENS LOCKER ROOM CORRIDOR
MENS STAFF LOCKER
MENS BAG CHECK
FCU 8 — GOLD ROOM / STORAGE
FCU 9 — STAFF OFFICE / FIRST AID

SWIMMING POOL

FCU 26 — ELECTRICAL
EF 18 — WATER TREATMENT
FCU 10 FCU 11 EF 05 — POOL EQUIPMENT
EF 14 EF 15 EF 16 EF 17 — POOL SPECTATOR SEATING

GROUND LEVEL

POOL BUILDING

N

BUREAU OF ENGINEERING
OFFICIAL RECORD

BUREAU OF ENGINEERING
ENGINEERING
CITY OF LOS ANGELES

NO.	REVISIONS:	DATE:	BY:
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BUILDING NO. XX/XX
INDEX NO. - RP 300094

REGISTERED PROFESSIONAL ENGINEER
JOHN GREGORY ROZELUK
No. M34289
12/19/2016
MECHANICAL
STATE OF CALIFORNIA

BID SET SUBMITTAL

CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS

GARY LEE MOORE, PE, ENV SP CITY ENGINEER
ARCHITECTURAL DIVISION LIC. NO. M-34289
ARCHITECT: JOHN ROZELUK, PE DATE:
DESIGNED BY: JW
DRAWN BY: JW
CHECKED BY: BD
APPROVED BY: Approver

VERTICAL CONTROL:
HORIZONTAL CONTROL:

SHEET TITLE: POOL BUILDING HVAC RISER DIAGRAM
PROJECT: RANCHO CIENEGA SPORTS COMPLEX
ADDRESS: 5001 RODEO ROAD LOS ANGELES, CA 90016

WORK ORDER NO. E1907694
PLAN FILE NO.
DRAWING NO. M-7.01
SHEET SHEETS OF

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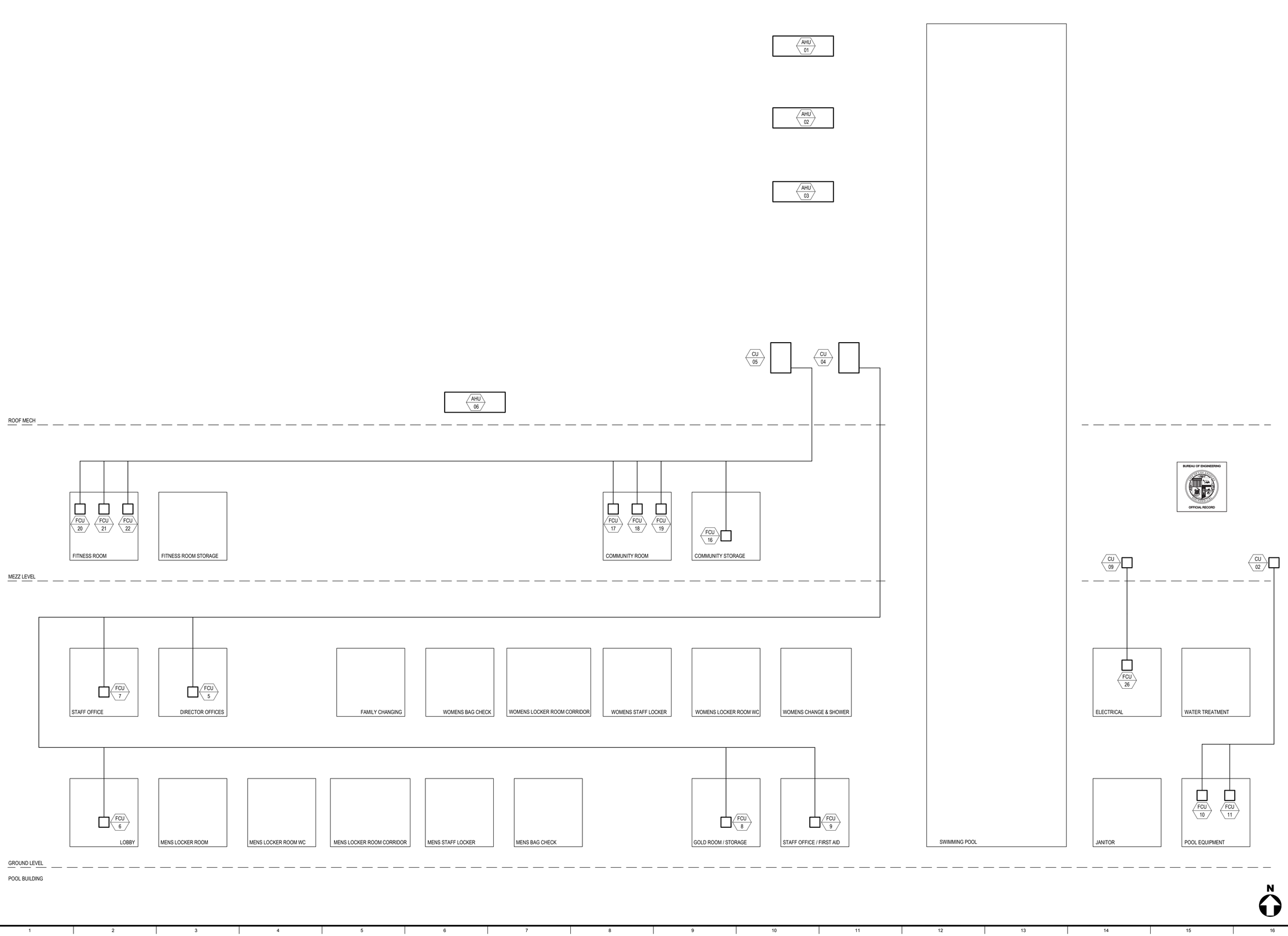

BUREAU OF ENGINEERING
OFFICIAL RECORD

BID SET SUBMITTAL

CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS BUREAU OF ENGINEERING

ENGINEERING
CITY OF LOS ANGELES

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BUILDING NO. XX/XX

INDEX NO. - RP 300094

REGISTERED PROFESSIONAL ENGINEER
JOHN GREGORY ROZELUK
No. M34269
EXP. 12/31/2016
MECHANICAL
STATE OF CALIFORNIA

CITY ENGINEER

	DATE:
GARY LEE MOORE, PE, ENV SP CITY ENGINEER	
ARCHITECTURAL DIVISION	
ARCHITECT: JOHN ROZELUK, PE	LIC. NO. M-34269
DESIGNED BY: JW	
DRAWN BY: JW	
CHECKED BY: BD	
APPROVED BY: Approver	

VERTICAL CONTROL:
HORIZONTAL CONTROL:

SHEET TITLE: POOL BUILDING VRF RISER DIAGRAM

PROJECT: RANCHO CIENEGA SPORTS COMPLEX

ADDRESS: 5001 RODEO ROAD LOS ANGELES, CA 90016

WORK ORDER NO. E1907694

PLAN FILE NO.

DRAWING NO. M-7.02

SHEET OF SHEETS

REVISION DATES (DESIGN STAGE ONLY)

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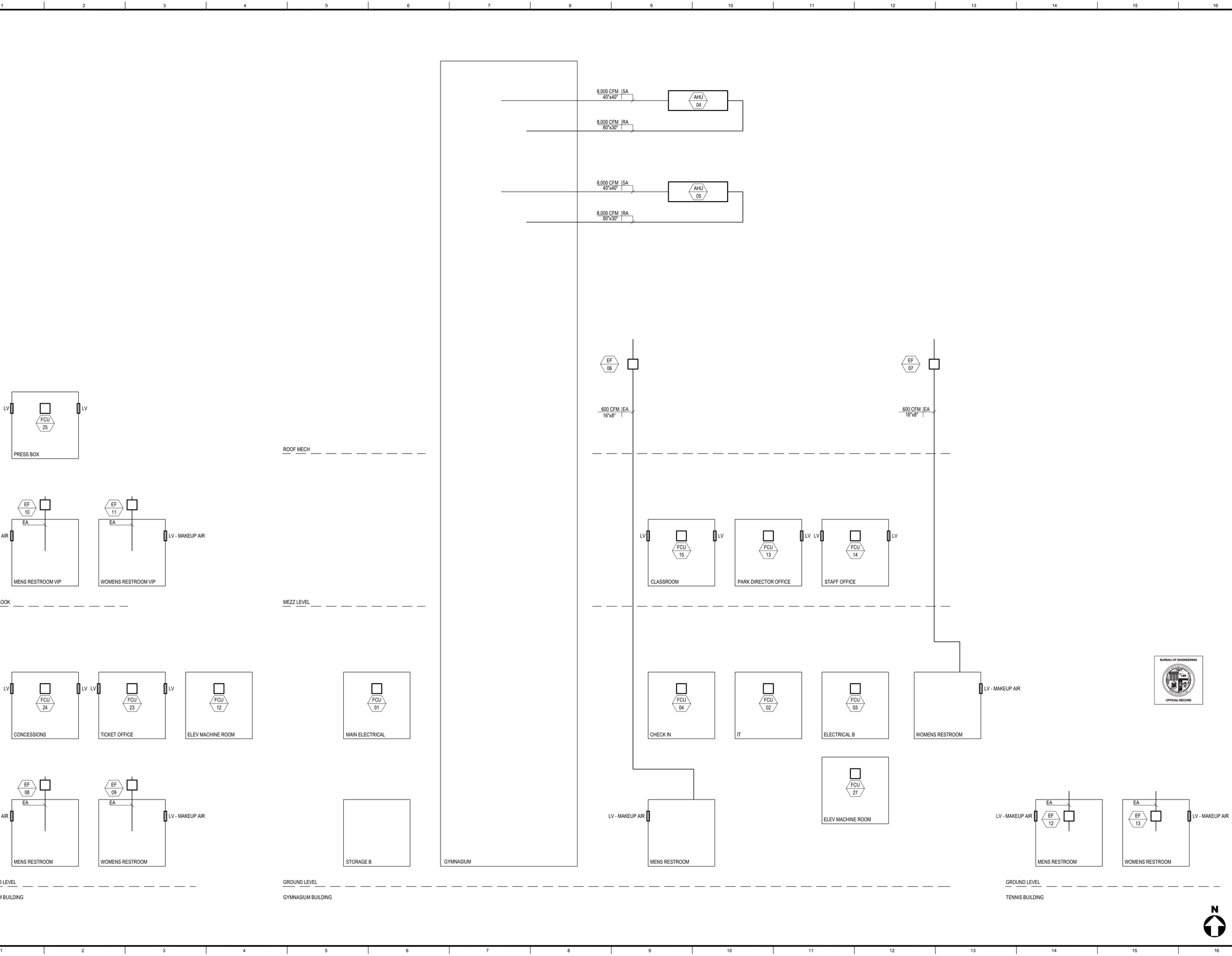

BID SET SUBMITTAL

CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS

BUREAU OF ENGINEERING

ENGINEERING
CITY OF LOS ANGELES

NO.	REVISIONS:	DATE:	BY:
1			
2			
3			
4			
5			

BUILDING NO. XX/XX

INDEX NO. - RP 300094

REGISTERED PROFESSIONAL ENGINEER
JOHN GREGORY ROZELUK
No. M34269
EXP. 12/31/2016
MECHANICAL
STATE OF CALIFORNIA

GARY LEE MOORE, PE, ENV SP CITY ENGINEER

ARCHITECTURAL DIVISION

ARCHITECT: JOHN ROZELUK, PE LIC. NO. M-34269 DATE:

DESIGNED BY: JW

DRAWN BY: JW

CHECKED BY: BD

APPROVED BY: Approver

VERTICAL CONTROL:

HORIZONTAL CONTROL:

SHEET TITLE: GYMNASIUM AND ANCILLARY BUILDINGS HVAC RISER DIAGRAM

PROJECT: RANCHO CIENEGA SPORTS COMPLEX

ADDRESS: 5001 RODEO ROAD LOS ANGELES, CA 90016

WORK ORDER NO. E1907694

PLAN FILE NO.

DRAWING NO. M-7.03

SHEET OF SHEETS

REVISION DATES (DESIGN STAGE ONLY)

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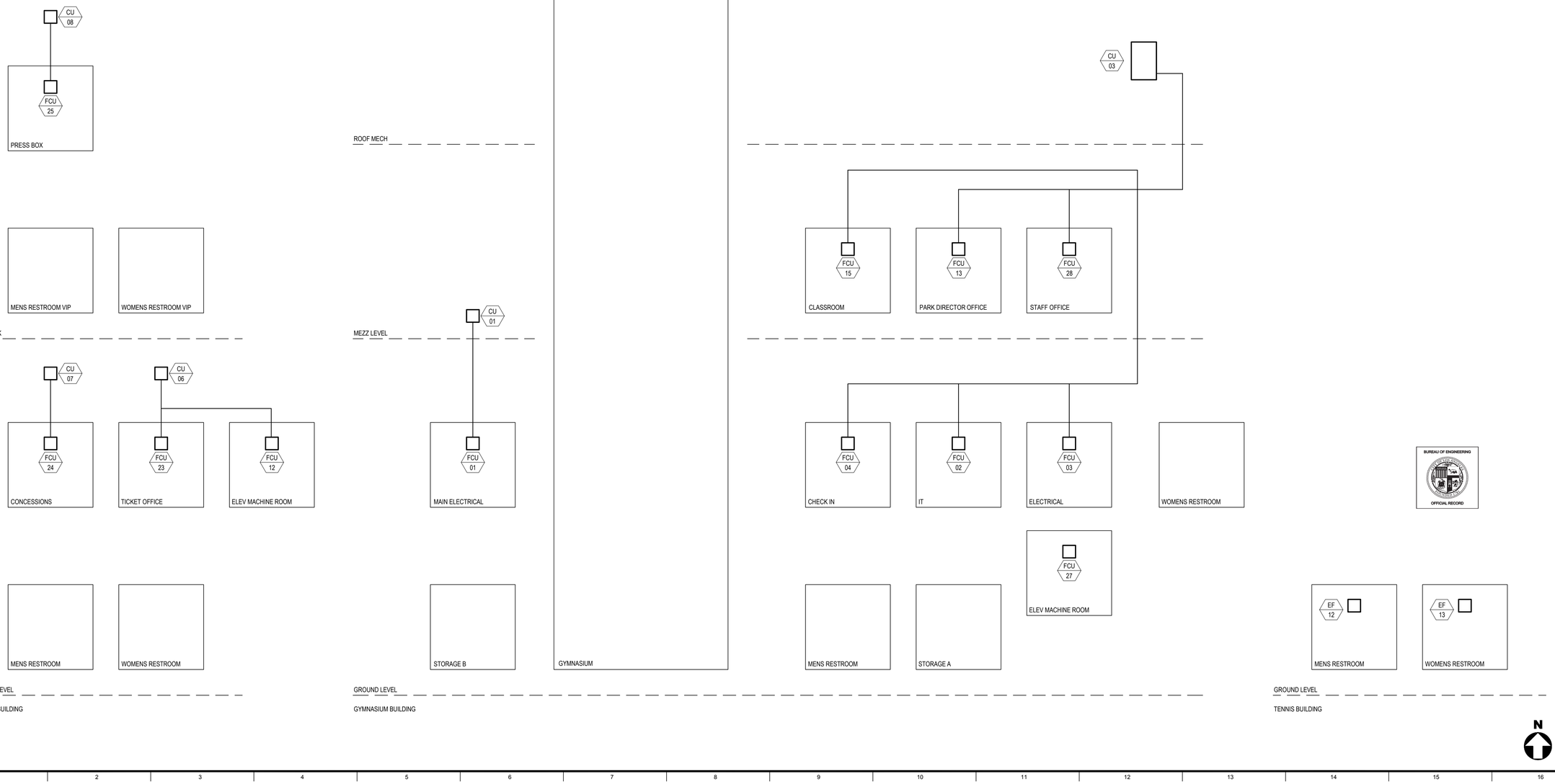

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BUREAU OF ENGINEERING

ENGINEERING
CITY OF LOS ANGELES

NO.	REVISIONS:	DATE:	BY:

BUILDING NO. XX/XX

INDEX NO. - RP 300094

REGISTERED PROFESSIONAL ENGINEER
JOHN GREGORY ROZELUK
No. M34269
EXPIRES 06/30/2016
MECHANICAL
STATE OF CALIFORNIA

BID SET SUBMITTAL

DEPARTMENT OF PUBLIC WORKS

CITY OF LOS ANGELES

GARY LEE MOORE, PE, ENV SP CITY ENGINEER

ARCHITECTURAL DIVISION

ARCHITECT: JOHN ROZELUK, PE — LIC. NO. M-34269 — DATE:

DESIGNED BY: JW

DRAWN BY: JW

CHECKED BY: BD

APPROVED BY: Approver

VERTICAL CONTROL:

HORIZONTAL CONTROL:

SHEET TITLE: GYMNASIUM AND ANCILLARY BUILDINGS VRF RISER DIAGRAM

PROJECT: RANCHO CIENEGA SPORTS COMPLEX

ADDRESS: 5001 RODEO ROAD LOS ANGELES, CA 90016

BUREAU OF ENGINEERING OFFICIAL RECORD

WORK ORDER NO. E1907694

PLAN FILE NO.

DRAWING NO. M-7.04

SHEET OF SHEETS

PLOTTED: 12/19/2016 1:40 PM

Project Name:	Rancho Cienega Sports Complex
Project Address:	5001 Rodeo Rd Los Angeles 90016
Compliance Scope:	NewComplete

		NRCC-PRF-01-E	Page 1 of 31
		Calculation Date/Time:	17:24, Tue, Aug 02, 2016
		Input File Name:	Rancho Cienega 10000 - 08B3.cibdx

A. PROJECT GENERAL INFORMATION

1.	Project Location (city)	Los Angeles	8.	Standards Version	Compliance2015
2.	CA Zip Code	90016	9.	Compliance Software (version)	EnergyPro 6.8
3.	Climate Zone	8	10.	Building Orientation (deg)	(N) 0 deg
4.	Total Conditioned Floor Area in Scope	41,210 ft²	11.	Permitted Scope of Work	NewComplete
5.	Total Unconditioned Floor Area	1,442 ft²	12.	Building Type(s)	Nonresidential
6.	Total # of Stories (Habitable Above Grade)	1	13	Gas Type	NaturalGas
7.	Total # of dwelling units	0			

B. COMPLIANCE RESULTS FOR PERFORMANCE COMPONENTS (Annual TDV Energy Use, kBtu/ft²-yr) **§ 140.1**

BUILDING COMPLIES

1. Energy Component	2. Standard Design (TDV)	3. Proposed Design (TDV)	4. Compliance Margin (TDV)	5. Percent Better than Standard
Space Heating	3.8	0.8	3.0	78.9%
Space Cooling	83.3	61.8	21.5	25.8%
Indoor Fans	41.0	66.6	-25.6	-62.4%
Heat Rejection	--	--	--	--
Pumps & Misc.	0.7	--	0.7	--
Domestic Hot Water	11.0	11.0	--	0.0%
Indoor Lighting	85.8	67.2	18.6	21.7%
COMPLIANCE TOTAL	**225.6**	**207.4**	**18.2**	**8.1%**
Receptacle	67.3	67.3	0.0	0.0%
Process	20.3	20.3	0.0	0.0%
Other Eq	--	--	--	--
TOTAL	**313.2**	**295.0**	**18.2**	**5.8%**

C. PRIORITY PLAN CHECK/ INSPECTION ITEMS (in order of highest to lowest TDV energy savings)

1st	Space Cooling: Check envelope and mechanical	
2nd	Indoor Lighting: Check lighting	
3rd	Space Heating: Check envelope and mechanical	
4th	Pumps & Misc.: Check mechanical	
5th	Heat Rejection: Check envelope and mechanical	
6th	Domestic Hot Water: Check mechanical	
7th	Indoor Fans: Check envelope and mechanical	

D. EXCEPTIONAL CONDITIONS

This building does not include service water heating. Verify that service water heating is not required and is not included in this design.

E. HERS VERIFICATION

This Section Does Not Apply

F. ADDITIONAL REMARKS

None Provided

BUREAU OF ENGINEERING
OFFICIAL RECORD

CA Building Energy Efficiency Standards- 2013 Nonresidential Compliance — Report Version: NRCC-PRF-01-E-06212016-3995 — Report Generated at: 2016-08-02 17:27:33

Project Name:	Rancho Cienega Sports Complex
Project Address:	5001 Rodeo Rd Los Angeles 90016
Compliance Scope:	NewComplete

		NRCC-PRF-01-E	Page 2 of 31
		Calculation Date/Time:	17:24, Tue, Aug 02, 2016
		Input File Name:	Rancho Cienega 10000 - 08B3.cibdx

G. COMPLIANCE PATH & CERTIFICATE OF COMPLIANCE SUMMARY

The following building components are only eligible for prescriptive compliance. Indicate which are relevant to this project.

Yes	NA	Prescriptive Requirement	Compliance Forms
☒	☐	Lighting (Indoor Unconditioned) §140.6	NRCC-LTI-01 / 02 / 03 / 04 / 05-E
☐	☒	Lighting (Outdoor) §140.7	NRCC-LTO-01 / 02 / 03-E
☐	☒	Lighting (Sign) §140.8	NRCC-LTS-01-E
☐	☒	Solar Thermal Water Heating §140.5	NRCC-STH-01-E

The following building components may have mandatory requirements per Part 6. Indicate which are relevant to the project.

Yes	NA	Mandatory Requirement	Compliance Forms
☐	☒	Commissioning: §120.8 Complex Systems	NRCC-CXR-01 / 02 / 03 / 05-E
☐	☒	Complex Systems	NRCC-COR-01 / 02 / 04 / 05-E
☐	☒	Electrical: §130.5	NRCC-ELC-01-E
☐	☒	Solar Ready: §110.10	NRCC-SOR-01 / 02-E
☐	☒	Covered Process: §120.6	NRCC-PRC-01-E
☐	☒	Commercial Refrigeration	NRCC-PRC-02-E
☐	☒	Warehouse Refrigeration	NRCC-PRC-05-E
☐	☒	Compressed Air	NRCC-PRC-06/07/08-E
☐	☒	Process Boilers	NRCC-PRC-10-E
			NRCC-PRC-11-E

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Project Name:	Rancho Cienega Sports Complex
Project Address:	5001 Rodeo Rd Los Angeles 90016
Compliance Scope:	NewComplete

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G. COMPLIANCE PATH & CERTIFICATE OF COMPLIANCE SUMMARY

The following building components are only eligible for prescriptive compliance. Indicate which are relevant to this project.

Building Component	Prescriptive Requirement	Compliance Forms
Envelope	☒ Prescriptive	NRCC-PRF-ENV-DETAILS (section of the NRCC-PRF-01-E)
	☐ NA	NRCC-ENV-01 / 02 / 03 / 04 / 05 / 06-E
	☒ Performance	NRCC-PRF-MCH-DETAILS (section of the NRCC-PRF-01-E)
Mechanical	☐ Prescriptive	NRCC-MCH-01 / 02 / 03 / 04 / 05 / 06 / 07-E
	☐ NA	
Domestic Hot Water	☐ Performance	NRCC-PRF-PLB-DETAILS (section of the NRCC-PRF-01-E)
	☐ Prescriptive	NRCC-PLB-01-E
	☒ NA	
Lighting (Indoor Conditioned)	☒ Performance	NRCC-PRF-LTI-DETAILS (section of the NRCC-PRF-01-E)
	☐ Prescriptive	NRCC-LTI-01 / 02 / 03 / 04 / 05-E
	☐ NA	
Covered Process: Commercial Kitchens	☐ Performance	S3 (section of the NRCC-PRF-01-E)
	☐ Prescriptive	NRCC-PRC-01 / 03-E
	☒ NA	
Covered Process: Computer Rooms	☐ Performance	S3 (section of the NRCC-PRF-01-E)
	☐ Prescriptive	NRCC-PRC-01 / 04-E
	☒ NA	
Covered Process: Laboratory Exhaust	☐ Performance	S4 (section of the NRCC-PRF-01-E)
	☐ Prescriptive	NRCC-PRC-01 / 09-E
	☒ NA	

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Compliance Scope:	NewComplete

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G. COMPLIANCE PATH & CERTIFICATE OF COMPLIANCE SUMMARY

The following building components may have mandatory requirements per Part 6. Indicate which are relevant to the project.

Yes	NA	Mandatory Requirement	Compliance Forms
☐	☒	Commissioning: §120.8 Complex Systems	NRCC-CXR-01 / 02 / 03 / 05-E
☐	☒	Complex Systems	NRCC-COR-01 / 02 / 04 / 05-E
☐	☒	Electrical: §130.5	NRCC-ELC-01-E
☐	☒	Solar Ready: §110.10	NRCC-SOR-01 / 02-E
☐	☒	Covered Process: §120.6	NRCC-PRC-01-E
☐	☒	Commercial Refrigeration	NRCC-PRC-02-E
☐	☒	Warehouse Refrigeration	NRCC-PRC-05-E
☐	☒	Compressed Air	NRCC-PRC-06/07/08-E
☐	☒	Process Boilers	NRCC-PRC-10-E
			NRCC-PRC-11-E

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H. CERTIFICATE OF INSTALLATION, CERTIFICATE OF ACCEPTANCE & CERTIFICATE OF VERIFICATION SUMMARY (NRCI/NRCA/NRCV) – Documentation Author to indicate which Certificates must be submitted for the features to be recognized for compliance (Retain copies and verify forms are completed and signed to post in field for Field Inspector to verify).
See Tables G and H in NCH and LTI Details Sections for Acceptance Tests and forms by equipment.

Building Component	Compliance Forms *(required for submittal)*	Pass	Fail	Confirmed
Envelope	☒ NRCI-ENV-01-E - *For all buildings*	☐	☐	☐
	☒ NRCI-MCH-01-E - *For all buildings with Mechanical systems*	☐	☐	☐
	☒ NRCA-MCH-02-A - Outdoor Air	☐	☐	☐
	☒ NRCA-MCH-03-A – Constant Volume Single Zone HVAC	☐	☐	☐
	☐ NRCA-MCH-04-H- Air Distribution Duct Leakage	☐	☐	☐
	☒ NRCA-MCH-05-A- Air Economizer Controls	☐	☐	☐
	☒ NRCA-MCH-06-A- Demand Control Ventilation	☐	☐	☐
	☒ NRCA-MCH-07-A – Supply Fan Variable Flow Controls	☐	☐	☐
	☐ NRCA-MCH-08-A- Valve Leakage Test	☐	☐	☐
	☐ NRCA-MCH-09-A – Supply Water Temp Reset Controls	☐	☐	☐
	☐ NRCA-MCH-10-A- Hydronic System Variable Flow Controls	☐	☐	☐
Mechanical	☐ NRCA-MCH-11-A – Auto Demand Shed Controls	☐	☐	☐
	☒ NRCA-MCH-12-A- Packaged Direct Expansion Units	☐	☐	☐
	☐ NRCA-MCH-13-A- Air Handling Units and Zone Terminal Units	☐	☐	☐
	☐ NRCA-MCH-14-A- Distributed Energy Storage	☐	☐	☐
	☐ NRCA-MCH-15-A – Thermal Energy Storage	☐	☐	☐
	☐ NRCA-MCH-16-A- Supply Air Temp Reset Controls	☐	☐	☐
	☐ NRCI-LTI-01-E – Outdoor Lighting	☐	☐	☐
Outdoor Lighting	☐ NRCI-LTO-02-E- EMCS Lighting Control System	☐	☐	☐
	☐ NRCA-LTO-02-A - Outdoor Lighting Control	☐	☐	☐
Sign Lighting	☐ NRCI-LTS-01-E – Sign Lighting	☐	☐	☐
Electrical	☐ NRCI-ELC-01-E- Electrical Power Distribution	☐	☐	☐
Photovoltaic	☐ NRCI-SPV-01-E Photovoltaic Systems	☐	☐	☐

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Project Address:	5001 Rodeo Rd Los Angeles 90016
Compliance Scope:	NewComplete

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See Tables G and H in NCH and LTI Details Sections for Acceptance Tests and forms by equipment.

Building Component	Compliance Forms *(required for submittal)*	Pass	Fail	Confirmed
Plumbing	☐ NRCI-PLB-01-E - *For all buildings with Plumbing Systems*	☐	☐	☐
	☐ NRCI-PLB-02-E- required on central systems in high-rise residential, hotel/motel application.	☐	☐	☐
	☐ NRCI-PLB-03-E - Single dwelling unit systems in high-rise residential, hotel/motel application.	☐	☐	☐
	☐ NRCI-PLB-21-E - HERS verified central systems in high-rise residential, hotel/motel application.	☐	☐	☐
	☐ NRCI-PLB-22-E - HERS verified single dwelling unit systems in high-rise residential, hotel/motel application.	☐	☐	☐
	☐ NRCI-PLB-23-H - HERS verified central systems in high-rise residential, hotel/motel application.	☐	☐	☐
	☐ NRCV-PLB-23-H - HERS verified single dwelling unit systems in high-rise residential, hotel/motel application.	☐	☐	☐
	☐ NRCI-STH-01-E- Any solar water heating	☐	☐	☐
Indoor Lighting	☒ NRCI-LTI-01-E- For all buildings			
	☐ NRCI-LTI-02-E - Lighting control systems, or for an Energy Management Control System (EMCS)	☐	☐	☐
	☐ NRCI-LTI-03-E - Line-voltage track lighting integral current limiter, or for a supplementary overcurrent protection panel used to energize only line-voltage track lighting	☐	☐	☐
	☐ NRCI-LTI-04-E - Two interlocked systems serving an auditorium, a convention center, a conference room, or a theater	☐	☐	☐
	☐ NRCI-LTI-05-E - Lighting Control Credit Power Adjustment Factor (PAF)	☐	☐	☐
	☐ NRCI-LTI-06-E - Additional wattage installed in a video conferencing studio	☐	☐	☐
	☐ NRCA-LTI-02-A - Occupancy sensors and automatic time switch controls.	☐	☐	☐
	☐ NRCA-LTI-03-A - Automatic daylighting controls.	☐	☐	☐
	☐ NRCA-LTI-04-A - Demand responsive lighting controls	☐	☐	☐
Outdoor Lighting	☐ NRCI-LTO-01-E – Outdoor Lighting	☐	☐	☐
	☐ NRCI-LTO-02-E- EMCS Lighting Control System	☐	☐	☐
	☐ NRCA-LTO-02-A - Outdoor Lighting Control	☐	☐	☐
Sign Lighting	☐ NRCI-LTS-01-E – Sign Lighting	☐	☐	☐
Electrical	☐ NRCI-ELC-01-E- Electrical Power Distribution	☐	☐	☐
Photovoltaic	☐ NRCI-SPV-01-E Photovoltaic Systems	☐	☐	☐

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THE CITY OF LOS ANGELES OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF ELECTRONIC COPIES OF THIS PLAN SHEET.

TEMPLATE SHEET REVISION DATE: 082014
REVISION DATE: 12/19/2016 12:21 PM FILE: O:\033386 RANCHO CIENEGA SPORTS COMPLEX\BIM\F05 MEP\CAD\SHEET\M9.9.01.DWG

REVISION DATES (DESIGN STAGE ONLY)

BUILDING NO. XX/XX
DATE: BY:
INDEX NO. - RP 300094
NO. REVISIONS:

BUREAU OF ENGINEERING
CITY OF LOS ANGELES
ENGINEERING

REGISTERED PROFESSIONAL ENGINEER
JOHN GREGORY ROZELUK
No. M34289
12/19/2016
MECHANICAL
STATE OF CALIFORNIA

CITY OF LOS ANGELES
BUREAU OF ENGINEERING

BID SET SUBMITTAL

DEPARTMENT OF PUBLIC WORKS

CITY ENGINEER

DATE:

GARY LEE MOORE, PE, ENV SP
LIC. NO. M-34289

ARCHITECTURAL DIVISION

ARCHITECT: JOHN ROZELUK, PE
DESIGNED BY: JW
DRAWN BY: JW
CHECKED BY: BD
APPROVED BY: Approver

VERTICAL CONTROL:
HORIZONTAL CONTROL:

SHEET TITLE: TITLE-24 FORMS

PROJECT: RANCHO CIENEGA SPORTS COMPLEX

ADDRESS: 5001 RODEO ROAD
LOS ANGELES, CA 90016

WORK ORDER NO.
E1907694

PLAN FILE NO.

DRAWING NO.
M-9.01

SHEET OF SHEETS

PLOTTED: 12/19/2016 1:40 PM

Project Name:	Rancho Cienega Sports Complex
Project Address:	5001 Rodeo Rd Los Angeles 90016
Compliance Scope:	NewCompliance
NRCC-PRF-01-E Calculation Date/Time:	Page 7 of 31 17:24, Tue, Aug 02, 2016
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H. CERTIFICATE OF INSTALLATION, CERTIFICATE OF ACCEPTANCE & CERTIFICATE OF VERIFICATION SUMMARY (NRCI/NRCA/NRCV) –

Documentation Author to indicate which Certificates must be submitted for the features to be recognized for compliance

(Retain copies and verify forms are completed and signed to post in field for Field Inspector to verify).

See Tables G. and H. in MCH and LTI Details Sections for Acceptance Tests and forms by equipment.

Building Component	Compliance Forms *(required for submittal)*	Confirmed: Pass	Confirmed: Fail
	☐ NRCI-PRC-01-E Refrigerated Warehouse	☐	☐
	☐ NRCI-PRC-02-F- Compressed Air Systems	☐	☐
	☐ NRCI-PRC-02-F- Kitchen Exhaust	☐	☐
	☐ NRCI-PRC-03-F- Garage Exhaust	☐	☐
	☐ NRCI-PRC-04-F- Refrigerated Warehouse- Evaporator Fan Motor Controls	☐	☐
Covered Process	☐ NRCI-PRC-05-F- Refrigerated Warehouse- Evaporative Condenser Controls	☐	☐
	☐ NRCI-PRC-06-F- Refrigerated Warehouse- Air Cooled Condenser Controls	☐	☐
	☐ NRCI-PRC-07F- Refrigerated Warehouse- Variable Speed Compressor	☐	☐
	☐ NRCI-PRC-08-F- Electrical Resistance Underslab Heating System	☐	☐

I. ENVELOPE GENERAL INFORMATION (See NRCC-PRF-ENV-DETAILS for more information)

					Confirmed
1.	Total Conditioned Floor Area	41,210 ft²	5. Number of Floors Above Grade	1	
2.	Total Unconditioned Floor Area	1,442 ft²	6. Number of Floors Below Grade	0	
3.	Addition Conditioned Floor Area	0 ft²			
4.	Addition Unconditioned Floor Area	0 ft²			

7. Opaque Surfaces & Orientation	8. Total Gross Surface Area	9. Total Fenestration Area	10. Window to Wall Ratio	Confirmed: Fail	Confirmed: Pass
North Wall	10,590 ft²	2,580 ft²	24.4%	☐	☐
East Wall	7,000 ft²	2,010 ft²	28.7%	☐	☐
South Wall	9,857 ft²	2,634 ft²	26.7%	☐	☐
West Wall	11,972 ft²	2,759 ft²	23.0%	☐	☐
Total	**39,419 ft²**	**9,983 ft²**	**25.3%**	☐	☐
Roof	32,683 ft²	0 ft²	00.0%	☐	☐

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Compliance Scope:	NewCompliance
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J. FENESTRATION ASSEMBLY SUMMARY — § 110.6

1. Fenestration Assembly Name / Tag on LD	2. Fenestration Type	3. Certification Method[1]	4. Assembly Method	5. Area Ft²	6. Overall U-Factor	7. Overall SHGC	8. Overall VT	9. Status[2]	Confirmed: Pass	Confirmed: Fail
Rancho Exterior Glazing North and East	VerticalFenestration	NFRCRated	SiteBuilt	5983	0.49	0.30	0.76	N	☐	☐
Rancho External Glazing South and West	VerticalFenestration	NFRCRated	SiteBuilt	4000	0.49	0.26	0.76	N	☐	☐

[1] *Newly installed fenestration shall have a certified NFRC Label Certificate or use the CEC default tables (found in Table 110.6-A and Table 110.6-B Center of Glass (COG) values are for the glass only, determined by the manufacturer, and are shown for ease of verification. Site-built fenestration values are calculated per Nonresidential Appendix NA8 and are used in the analysis.*

[2] *Status: N - New, A – Altered, E – Existing*

Taking compliance credit for fenestration shading devices? (If "Yes", see NRCC-PRF-ENV-DETAILS for more information) — No

K. OPAQUE SURFACE ASSEMBLY SUMMARY — § 120.7/ § 140.3

1. Surface Name	2. Surface Type	3. Area (Ft²)	4. Framing Type	5. Cavity R-Value	6. Continuous R-Value	7. U-Factor / C-Factor	8. Status[1]	9. Status[2]	Confirmed: Fail	Confirmed: Pass
Rancho Metal Framed Wall	ExteriorWall	41423	Metal	19	6	U-Factor: 0.088	N	N	☐	☐
Rancho Room18	ExteriorWall	32683	Metal	19	0	U-Factor: 0.049	N	N	☐	☐
Slab On Grade21	UndergroundFloor	39728	NA	0	NA	F-Factor: 0.730	N	N	☐	☐
R-13 Wall55	InteriorWall	3687	Wood	13	NA	U-Factor: 0.095	N	N	☐	☐
R-11 Floor No Crawlspace78	InteriorFloor	3944	Wood	11	NA	U-Factor: 0.068	N	N	☐	☐

[1] *Status: N - New, A – Altered, E – Existing*

L. ROOFING PRODUCT SUMMARY — § 140.3 — Confirmed

1. Product Type	2. Product Density (lb/Ft³)	3. Aged Solar Reflectance	4. Thermal Emittance	5. SRI	6. Cool Roof Credit	7. Roofing Product Description	Confirmed: Fail	Confirmed: Pass
Rancho Room18	50.475	0.08	0.75	NA	No	NA	☐	☐

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M. HVAC SYSTEM SUMMARY (see NRCC-PRF-MCH-DETAILS for more information) — § 110.1 / § 110.2

Dry System Equipment ¹ (Fan & Economizer info included below in Table N)

1. Equip Name	2. Equip Type	3. System Type (Simple ² or Complex ³)	4. Qty	5. Total Heating Output (kBtu/h)	6. Supp Heat Source (Y/N)	7. Supp Heat Output (kBtuh)	8. Total Cooling Output (kBtu/h)	9. Efficiency: Cooling	9. Efficiency: Heating	10. Acceptance Testing Required? (Y/N)	11. Status[4]	Confirmed: Fail	Confirmed: Pass
AAON RN-031	SZVAVHP (Packaged3Phase)	Complex	2	247	No	0	278	EER-10.6	NA	Yes	N	☐	☐
UNCONDITIONE D22	SZVAVAC (Packaged3Phase)	Complex	1	1100	No	0	0	NA	NA	No	N	☐	☐
UNCONDITIONE D33	Exhaust (Inv0)	Simple	1	0	No	0	0	NA	NA	No	N	☐	☐
UNCONDITIONE D38	Exhaust (Inv0)	Simple	1	0	No	0	0	NA	NA	No	N	☐	☐
FCU-1	SZHP (Split3Phase)	Simple	1	10	Yes	8	30	SEER-14.0/ EER-12.2	HSPF-8.2	Yes	N	☐	☐
FCU-2	SZHP (Split3Phase)	Simple	1	10	Yes	8	24	SEER-14.0/ EER-12.2	HSPF-8.2	Yes	N	☐	☐
FCU-3	SZHP (Split3Phase)	Simple	1	6	Yes	7	15	SEER-14.0/ EER-12.2	HSPF-8.2	Yes	N	☐	☐
FCU-4	SZHP (Split3Phase)	Simple	1	2	Yes	5	10	SEER-14.0/ EER-12.2	HSPF-8.2	Yes	N	☐	☐
FCU-13	SZHP (Split3Phase)	Simple	1	5	Yes	7	13	SEER-14.0/ EER-12.2	HSPF-8.2	Yes	N	☐	☐
FCU-14	SZHP (Split3Phase)	Simple	1	5	Yes	7	13	SEER-14.0/ EER-12.2	HSPF-8.2	Yes	N	☐	☐
FCU-15	SZHP (Split3Phase)	Simple	1	8	Yes	8	23	SEER-14.0/ EER-12.2	HSPF-8.2	Yes	N	☐	☐
FCU-23	SZHP (Split3Phase)	Simple	1	4	Yes	7	12	SEER-14.0/ EER-12.2	HSPF-8.2	Yes	N	☐	☐
FCU-24	SZHP (Split3Phase)	Simple	1	9	Yes	7	30	SEER-14.0/ EER-12.2	HSPF-8.2	Yes	N	☐	☐
FCU-25	SZHP (Split3Phase)	Simple	1	5	Yes	7	14	SEER-14.0/ EER-12.2	HSPF-8.2	Yes	N	☐	☐

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M. HVAC SYSTEM SUMMARY (see NRCC-PRF-MCH-DETAILS for more information) — § 110.1 / § 110.2

Dry System Equipment ¹ (Fan & Economizer info included below in Table N)

1. Equip Name	2. Equip Type	3. System Type (Simple ² or Complex ³)	4. Qty	5. Total Heating Output (kBtu/h)	6. Supp Heat Source (Y/N)	7. Supp Heat Output (kBtuh)	8. Total Cooling Output (kBtu/h)	9. Efficiency: Cooling	9. Efficiency: Heating	10. Acceptance Testing Required? (Y/N)	11. Status[4]	Confirmed: Fail	Confirmed: Pass
FCU-26	SZHP (Split3Phase)	Simple	1	6	Yes	7	16	SEER-14.0/ EER-12.2	HSPF-8.2	Yes	N	☐	☐
AHU-1 and 2	SZVAVAC (Packaged3Phase)	Complex	1	1100	No	0	480	EER-11.8	Thermlfficiency-95.0	Yes	N	☐	☐
PCKU127	Exhaust (Inv0)	Simple	1	0	No	0	0	NA	NA	No	N	☐	☐
FCU-5	SZHP (Split3Phase)	Simple	1	1	Yes	3	8	SEER-14.0/ EER-12.2	HSPF-8.2	Yes	N	☐	☐
FCU-6	SZHP (Split3Phase)	Simple	1	4	Yes	4	17	SEER-14.0/ EER-12.2	HSPF-8.2	Yes	N	☐	☐
FCU-7	SZHP (Split3Phase)	Simple	1	1	Yes	3	9	SEER-14.0/ EER-12.2	HSPF-8.2	Yes	N	☐	☐
FCU-8	SZHP (Split3Phase)	Simple	1	1	Yes	3	9	SEER-14.0/ EER-12.2	HSPF-8.2	Yes	N	☐	☐
FCU-9	SZHP (Split3Phase)	Simple	1	1	Yes	3	9	SEER-14.0/ EER-12.2	HSPF-8.2	Yes	N	☐	☐
FCU-10	SZHP (Split3Phase)	Simple	2	9	Yes	7	24	SEER-14.0/ EER-12.2	HSPF-8.2	Yes	N	☐	☐
FCU-12	SZHP (Split3Phase)	Simple	1	8	Yes	7	30	SEER-14.0/ EER-12.2	HSPF-8.2	Yes	N	☐	☐
FCU-16	SZHP (Split3Phase)	Simple	1	2	Yes	5	9	SEER-14.0/ EER-12.2	HSPF-8.2	Yes	N	☐	☐
FCU-17	SZHP (Split3Phase)	Simple	4	12	Yes	9	23	SEER-14.0/ EER-12.2	HSPF-8.2	Yes	N	☐	☐
FCU-20	SZHP (Packaged3Phase)	Simple	1	215	No	0	144	SEER-14.0/ EER-10.9	HSPF-8.2	Yes	N	☐	☐

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Project Name:	Rancho Cienega Sports Complex
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Compliance Scope:	NewCompliance
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M. HVAC SYSTEM SUMMARY (see NRCC-PRE-MCH-DETAILS for more information) — § 110.1 / § 110.2

Dry System Equipment ¹ (Fan & Economizer info included below in Table N)

1. Equip Name	2. Equip Type	3. System Type (Simple ² or Complex ³)	4. Qty	5. Total Heating Output (kBtu/h)	6. Supp Heat Source (Y/N)	7. Supp Heat Output (kBtuh)	8. Total Cooling Output (kBtuh)	9. Efficiency: Cooling	9. Efficiency: Heating	10. Acceptance Testing Required? (Y/N)	11. Status[4]	Confirmed: Fail	Confirmed: Pass
MENS LOCKER ROOM216	Exhaust (Inv0)	Simple	1	0	No	0	0	NA	NA	No	N	☐	☐
WOMENS LOCKER ROOM221	Exhaust (Inv0)	Simple	1	0	No	0	0	NA	NA	No	N	☐	☐

N. ECONOMIZER & FAN SYSTEMS SUMMARY[1] — § 140.4

1. Equip Name	2. Outside Air CFM	3. Supply Fan CFM	3. Supply Fan HP	3. Supply Fan BHP	3. Supply Fan TSP (inch WC)	3. Supply Fan Control	4. Return Fan CFM	4. Return Fan HP	4. Return Fan BHP	4. Return Fan TSP (inch WC)	4. Return Fan Control	5. Economizer Type (if present)	Confirmed: Fail	Confirmed: Pass
AAON RN-031	1043	8000	4.800	4.800	2.28	VariableSpeedDrive	6550	1.280	1.280	0.74	VariableSpeedDrive	DifferentialDryBulb	☐	☐
FCU-1	58	800	0.400	0.400	1.59	ConstantVolume	NA	NA	NA	NA	NA	DifferentialDryBulb	☐	☐
FCU-2	58	920	0.400	0.400	1.38	ConstantVolume	NA	NA	NA	NA	NA	DifferentialDryBulb	☐	☐
FCU-3	58	425	0.200	0.200	1.49	ConstantVolume	NA	NA	NA	NA	NA	DifferentialDryBulb	☐	☐
FCU-4	29	350	0.200	0.200	1.81	ConstantVolume	NA	NA	NA	NA	NA	DifferentialDryBulb	☐	☐
FCU-13	39	494	0.300	0.300	1.93	ConstantVolume	NA	NA	NA	NA	NA	DifferentialDryBulb	☐	☐
FCU-14	58	494	0.300	0.300	1.93	ConstantVolume	NA	NA	NA	NA	NA	DifferentialDryBulb	☐	☐
FCU-15	29	883	0.500	0.500	1.80	ConstantVolume	NA	NA	NA	NA	NA	DifferentialDryBulb	☐	☐
FCU-23	39	350	0.200	0.200	1.81	ConstantVolume	NA	NA	NA	NA	NA	DifferentialDryBulb	☐	☐
FCU-24	77	883	0.300	0.300	1.08	ConstantVolume	NA	NA	NA	NA	NA	DifferentialDryBulb	☐	☐
FCU-25	39	390	0.200	0.200	1.63	ConstantVolume	NA	NA	NA	NA	NA	DifferentialDryBulb	☐	☐
FCU-26	16	425	0.200	0.200	1.49	ConstantVolume	NA	NA	NA	NA	NA	DifferentialDryBulb	☐	☐
AHU-1 and 2	7525	17700	12.180	12.180	2.71	VariableSpeedDrive	NA	NA	NA	NA	NA	DifferentialDryBulb	☐	☐
FCU-5	27	300	0.200	0.200	2.12	ConstantVolume	NA	NA	NA	NA	NA	DifferentialDryBulb	☐	☐
FCU-6	210	636	0.350	0.350	1.75	ConstantVolume	NA	NA	NA	NA	NA	DifferentialDryBulb	☐	☐
FCU-7	27	350	0.200	0.200	1.81	ConstantVolume	NA	NA	NA	NA	NA	DifferentialDryBulb	☐	☐
FCU-8	27	350	0.200	0.200	1.81	ConstantVolume	NA	NA	NA	NA	NA	DifferentialDryBulb	☐	☐
FCU-9	27	350	0.200	0.200	1.81	ConstantVolume	NA	NA	NA	NA	NA	DifferentialDryBulb	☐	☐
FCU-10	52	920	0.500	0.500	1.72	ConstantVolume	NA	NA	NA	NA	NA	DifferentialDryBulb	☐	☐
FCU-12	92	883	0.300	0.300	1.08	ConstantVolume	NA	NA	NA	NA	NA	DifferentialDryBulb	☐	☐
FCU-16	18	350	0.200	0.200	1.81	ConstantVolume	NA	NA	NA	NA	NA	DifferentialDryBulb	☐	☐
FCU-17	171	883	0.500	0.500	1.80	ConstantVolume	NA	NA	NA	NA	NA	DifferentialDryBulb	☐	☐
FCU-20	55	883	0.500	0.500	1.80	ConstantVolume	NA	NA	NA	NA	NA	DifferentialDryBulb	☐	☐

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Discrepancy between modeled and designed equipments sizing? (If "Yes", see Table F "Additional Remarks" for an explanation) — No

BUREAU OF ENGINEERING — OFFICIAL RECORD

CITY OF LOS ANGELES — BUREAU OF ENGINEERING

PROJECT NO.	XX/XX		
INDEX NO.	-	REVISIONS:	
		NO.	DATE:

REGISTERED PROFESSIONAL ENGINEER — JOHN GREGORY ROZELUK — No. M34269 — 12/19/2016 — MECHANICAL — STATE OF CALIFORNIA

CITY OF LOS ANGELES — DEPARTMENT OF PUBLIC WORKS

BID SET SUBMITTAL

GARY LEE MOORE, PE, ENV SP — CITY ENGINEER

CITY ENGINEER	DATE:
LIC. NO. M-34269	

ARCHITECT: JOHN ROZELUK, PE	
DESIGNED BY: JW	
DRAWN BY: JW	
CHECKED BY: BD	
APPROVED BY: Approver	

ARCHITECTURAL DIVISION

VERTICAL CONTROL:	
HORIZONTAL CONTROL:	

SHEET TITLE: TITLE-24 FORMS

PROJECT: RANCHO CIENEGA SPORTS COMPLEX

ADDRESS: 5001 RODEO ROAD, LOS ANGELES, CA 90016

WORK ORDER NO. E1907694

PLAN FILE NO.

DRAWING NO. M-9.02

SHEET OF SHEETS

PLOTTED: 12/19/2016 1:40 PM

REVISION DATES (DESIGN STAGE ONLY)

TEMPLATE SHEET REVISION DATE: 082014

REVISION DATE: 12/19/2016 12:21 PM FILE: O:\033398 RANCHO CIENEGA SPORTS COMPLEX\BIM\F05 MEP\CAD\SHEET\M9.9 02.DWG

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Project Name:	Rancho Cienega Sports Complex	NRCC-PRE-01-E	Page 13 of 31
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N. ECONOMIZER & FAN SYSTEMS SUMMARY[1] — § 140.4 — Confirmed

1. Equip Name	2. Outside Air CFM	3. Supply Fan CFM	3. Supply Fan HP	3. Supply Fan BHP	3. Supply Fan TSP (inch WC)	3. Supply Fan Control	4. Return Fan CFM	4. Return Fan HP	4. Return Fan BHP	4. Return Fan TSP (inch WC)	4. Return Fan Control	5. Economizer Type (if present)	Fdll	Pass
LOCKERS DOA	564	4000	1.000	1.000	0.95	Constant Volume	NA	NA	NA	NA	NA	Differential Dry-Bulb	☐	☐

[1] Mechanical ventilation calculations and exhaust fans are included in the NRCC-PRF-MCH-02 EXHLS section

O. EQUIPMENT CONTROLS — § 120.2 — Confirmed

1. Equip Name	2. Equip Type	3. Controls	Fdll	Pass
AAON RN-031	SZVAVHP	1 Zones With CO2Sensor Vent. Control Differential Dry-bulb Economizer No Supply Air Temp. Control No Optimum Start	☐	☐
UNCONDITIONED22	Exhaust	No DCV Controls Economizer type not properly specified No Supply Air Temp. Control No Optimum Start	☐	☐
UNCONDITIONED33	Exhaust	No DCV Controls Economizer type not properly specified No Supply Air Temp. Control No Optimum Start	☐	☐
UNCONDITIONED38	Exhaust	No DCV Controls Economizer type not properly specified No Supply Air Temp. Control No Optimum Start	☐	☐
FCU-1	SZHP	No DCV Controls Differential Dry-bulb Economizer No Supply Air Temp. Control No Optimum Start	☐	☐
FCU-2	SZHP	No DCV Controls Differential Dry-bulb Economizer No Supply Air Temp. Control No Optimum Start	☐	☐

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O. EQUIPMENT CONTROLS — § 120.2 — Confirmed

1. Equip Name	2. Equip Type	3. Controls	Fdll	Pass
FCU-3	SZHP	No DCV Controls Differential Dry-bulb Economizer No Supply Air Temp. Control No Optimum Start	☐	☐
FCU-4	SZHP	No DCV Controls Differential Dry-bulb Economizer No Supply Air Temp. Control No Optimum Start	☐	☐
FCU-13	SZHP	No DCV Controls Differential Dry-bulb Economizer No Supply Air Temp. Control No Optimum Start	☐	☐
FCU-14	SZHP	No DCV Controls Differential Dry-bulb Economizer No Supply Air Temp. Control No Optimum Start	☐	☐
FCU-15	SZHP	No DCV Controls Differential Dry-bulb Economizer No Supply Air Temp. Control No Optimum Start	☐	☐
FCU-23	SZHP	No DCV Controls Differential Dry-bulb Economizer No Supply Air Temp. Control No Optimum Start	☐	☐
FCU-24	SZHP	No DCV Controls Differential Dry-bulb Economizer No Supply Air Temp. Control No Optimum Start	☐	☐
FCU-25	SZHP	No DCV Controls Differential Dry-bulb Economizer No Supply Air Temp. Control No Optimum Start	☐	☐

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O. EQUIPMENT CONTROLS — § 120.2 — Confirmed

1. Equip Name	2. Equip Type	3. Controls	Fdll	Pass
FCU-10	SZHP	No DCV Controls Differential Dry-bulb Economizer No Supply Air Temp. Control No Optimum Start	☐	☐
FCU-12	SZHP	1 Zones With CO2Sensor Vent. Control Differential Dry-bulb Economizer No Supply Air Temp. Control No Optimum Start	☐	☐
FCU-16	SZHP	No DCV Controls Differential Dry-bulb Economizer No Supply Air Temp. Control No Optimum Start	☐	☐
FCU-17	SZHP	1 Zones With CO2Sensor Vent. Control Differential Dry-bulb Economizer No Supply Air Temp. Control No Optimum Start	☐	☐
FCU-20	SZHP	1 Zones With CO2Sensor Vent. Control Differential Dry-bulb Economizer No Supply Air Temp. Control No Optimum Start	☐	☐
LOCKERS DOA	SZHP	No DCV Controls Differential Dry-bulb Economizer No Supply Air Temp. Control No Optimum Start	☐	☐
MENS LOCKER ROOM216	Exhaust	No DCV Controls Economizer type not properly specified No Supply Air Temp. Control No Optimum Start	☐	☐
WOMENS LOCKER ROOM221	Exhaust	No DCV Controls Economizer type not properly specified No Supply Air Temp. Control No Optimum Start	☐	☐
NonResBoosterWSystem	Service Hot Water, Primary Only	Fixed Temperature Control, No DSC	☐	☐

CA Building Energy Efficiency Standards- 2013 Nonresidential Compliance — Report Version: NRCC-PRE-01-E-062120163995 — Report Generated at: 2016-08-02 17:27:33

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O. EQUIPMENT CONTROLS — § 120.2 — Confirmed

1. Equip Name	2. Equip Type	3. Controls	Fdll	Pass
FCU-26	SZHP	No DCV Controls Differential Dry-bulb Economizer No Supply Air Temp. Control No Optimum Start	☐	☐
AHU-1 and 2	SZVAVAC	1 Zones With CO2Sensor Vent. Control Differential Dry-bulb Economizer No Supply Air Temp. Control No Optimum Start	☐	☐
POOL127	Exhaust	Economizer type not properly specified No Supply Air Temp. Control No Optimum Start	☐	☐

CA Building Energy Efficiency Standards- 2013 Nonresidential Compliance — Report Version: NRCC-PRE-01-E-062120163995 — Report Generated at: 2016-08-02 17:27:33

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P. SYSTEM DISTRIBUTION SUMMARY — § 120.4 / § 140.4) — Confirmed

Dry System Distribution

1. Equip Name	2. Equip Type	3. Duct Leakage and Sealing Required per 140.4(l)	4. Duct Leakage will be verified per NA1 and NA2	5. Ducts Insulation R-Value	5. Ducts Location	Fdll	Pass
AAON RN-031	SZVAVHP	No	No	8	Unconditioned	☐	☐
FCU-1, 2	SZHP	No	No	8	Unconditioned	☐	☐
FCU-3, 4	SZHP	No	No	8	Unconditioned	☐	☐
FCU-13	SZHP	No	No	8	Unconditioned	☐	☐
FCU-14	SZHP	No	No	8	Unconditioned	☐	☐
FCU-15	SZHP	No	No	8	Unconditioned	☐	☐
FCU-23	SZHP	No	No	8	Unconditioned	☐	☐
FCU-24	SZHP	No	No	8	Unconditioned	☐	☐
FCU-25	SZHP	No	No	8	Unconditioned	☐	☐
AHU-1 and 2	SZVAVAC	No	No	8	Unconditioned	☐	☐
FCU-5	SZHP	No	No	8	Unconditioned	☐	☐
FCU-6	SZHP	No	No	8	Unconditioned	☐	☐
FCU-7	SZHP	No	No	8	Unconditioned	☐	☐
FCU-8	SZHP	No	No	8	Unconditioned	☐	☐
FCU-9	SZHP	No	No	8	Unconditioned	☐	☐
FCU-10	SZHP	No	No	8	Unconditioned	☐	☐
FCU-12	SZHP	No	No	8	Unconditioned	☐	☐
FCU-16	SZHP	No	No	8	Unconditioned	☐	☐
FCU-17	SZHP	No	No	8	Unconditioned	☐	☐
FCU-20	SZHP	No	No	8	Unconditioned	☐	☐
LOCKERS DOA	SZHP	No	No	8	Unconditioned	☐	☐

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Q. INDOOR CONDITIONED LIGHTING GENERAL INFO (see NRCC-PRF-LTI-DETAILS for more info)[1] — § 140.6 — Confirmed

1. Occupancy Type [1]	2. Conditioned Floor Area [2] (ft²)	3. Installed Lighting Power (Watts)	4. Lighting Control Credits (Watts)	5. Additional (Custom) Allowance Area Category Footnotes (Watts)	5. Additional (Custom) Allowance Tailored Method (Watts)	Fdll	Pass
Exercise Room	15,370	8,968	0	0	0	☐	☐
Electrical/Mechanical, Telephone Rooms	1,958	925	0	0	0	☐	☐
Office (Greater than 250 square feet in floor area)	2,252	1,335	0	0	0	☐	☐
Gymnasium/Sports Arena	15,050	15,050	0	0	0	☐	☐
Office (250 square feet in floor area or less)	360	360	0	0	0	☐	☐
Lobby, Main Entry	420	420	0	0	0	☐	☐
Corridors, Restrooms, Stairs, and Support Areas	180	108	0	0	0	☐	☐
Retail Merchandise Sales, Wholesale Showroom	370	370	0	0	0	☐	☐
Kitchen, Commercial Food Preparation	120	144	0	0	0	☐	☐
Locker/Dressing Room	3,760	2,256	0	0	0	☐	☐
Convention, Conference, Multipurpose and Meeting Center Areas	1,370	1,507	0	0	0	☐	☐
Building Totals:	**41,210**	**31,443**	**0**	**0**	**0**		

[1] See Table 140.6-C

[2] See NRCC-LTI-02-E for unconditioned spaces

[3] Lighting information for existing spaces included is not included in the table

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Does the Project include Zonal Systems? (if "Yes", see NRCC-PRE-MCH-DETAILS for system information)		No
Does the Project include a Solar Hot Water System? (if "Yes", see NRCC-PRE-MCH-DETAILS for system information)		No
Multifamily or Hotel/ Motel Occupancy? (if "Yes", see NRCC-PRE-MCH-DETAILS for DHW system information)		No

BUREAU OF ENGINEERING
OFFICIAL RECORD

REVISION DATES (DESIGN STAGE ONLY)

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TEMPLATE SHEET REVISION DATE: 08/2014
REVISION DATE: 12/19/2016 12:21 PM FILE: O:\033398 RANCHO CIENEGA SPORTS COMPLEX\BIM\F05 MEP\CAD\SHEET\TMM-9.03.DWG

BUREAU OF ENGINEERING
CITY OF LOS ANGELES
ENGINEERING

NO.	REVISIONS:	BY:	DATE:

BUILDING NO. XX/XX
INDEX NO. -

REGISTERED PROFESSIONAL ENGINEER
JOHN GREGORY ROZELUK
No. M34269
12/19/2016
MECHANICAL
STATE OF CALIFORNIA

CITY OF LOS ANGELES
DEPARTMENT OF PUBLIC WORKS
BID SET SUBMITTAL

GARY LEE MOORE, PE, ENV SP — CITY ENGINEER

ARCHITECT: JOHN ROZELUK, PE — LIC. NO. M-34269
DESIGNED BY: JW
DRAWN BY: JW
CHECKED BY: BD
APPROVED BY: Approver

HORIZONTAL CONTROL:
VERTICAL CONTROL:

SHEET TITLE: TITLE-24 FORMS

PROJECT: RANCHO CIENEGA SPORTS COMPLEX
ADDRESS: 5001 RODEO ROAD
LOS ANGELES, CA 90016

WORK ORDER NO. E1907694
PLAN FILE NO.
DRAWING NO. M-9.03
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R. INDOOR CONDITIONED LIGHTING SCHEDULE *(Adapted from NRCC-LIT-01-E)* **§ 130.0**

This Section Does Not Apply

**If lighting power densities were used in the compliance model Building Departments will need to check prescriptive forms for Luminaire Schedule details*

S1. COVERED PROCESS SUMMARY – ENCLOSED PARKING GARAGES **§ 140.9**

This Section Does Not Apply

S2. COVERED PROCESS SUMMARY – COMMERCIAL KITCHENS **§ 140.9**

Space Name	Exhaust Hood Style	Exhaust Hood Duty	Exhaust Length (ft)	Exhaust Flow Rate (cfm)	Confirmed	
					Pass	Fail
5-24 COMMUNITY ROOM KITCHEN		Light	NaN	NaN	☐	☐
		Light	NaN	NaN	☐	☐
		Light	NaN	NaN	☐	☐
		Light	NaN	NaN	☐	☐

S3. COVERED PROCESS SUMMARY – COMPUTER ROOMS **§ 140.9**

This Section Does Not Apply

S4. COVERED PROCESS SUMMARY – LABORATORY EXHAUSTS **§ 140.9**

This Section Does Not Apply

T. UNMET LOAD HOURS

Thermal Zone Name	Cooling Unmet Load Hour Limit for Thermal Zone	Proposed Cooling Unmet Load Hours	Heating Unmet Load Hour Limit for Thermal Zone	Proposed Heating Unmet Load Hours
1-GYM	150	1580.5	150	82.5

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U. ENERGY USE SUMMARY

Energy Component	Standard Design Site (MWh)	Proposed Design Site (MWh)	Margin (MWh)	Standard Design Site (MBtu)	Proposed Design Site (MBtu)	Margin (MBtu)
Space Heating	0.0	0.9	---	84.7	7.6	77.1
Space Cooling	91.7	59.7	32.0	---	---	---
Indoor Fans	66.3	109.8	-43.5	---	---	---
Heat Rejection	---	---	---	---	---	---
Pumps & Misc.	1.6	---	---	---	---	---
Domestic Hot Water	---	---	---	274.8	274.8	0.0
Indoor Lighting	140.7	110.1	30.6	---	---	---
COMPLIANCE TOTAL	**300.3**	**280.5**	**19.8**	**359.5**	**282.4**	**77.1**
Receptacle	110.1	110.1	0.0	---	---	---
Process	33.3	33.3	0.0	---	---	---
Other Lig	---	---	---	---	---	---
TOTAL	**443.7**	**423.9**	**19.8**	**359.5**	**282.4**	**77.1**

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DOCUMENTATION AUTHOR'S DECLARATION STATEMENT **§ 10-103**

I certify that this Certificate of Compliance documentation is accurate and complete.

Documentation Author Name:	
Company: Bum Happold	Signature:
Address:	Signature Date:
City/State/Zip:	CEA Identification (if applicable):
Phone:	

RESPONSIBLE PERSON'S DECLARATION STATEMENT

1 I hereby affirm that I am eligible under the provisions of Division 3 of the Business and Professions Code to sign this document as the person responsible for its preparation; and that I am licensed in the State of California as a civil engineer, mechanical engineer, electrical engineer, or I am a licensed architect.

2 I affirm that I am eligible under the provisions of Division 3 of the Business and Professions Code by section 5537.2 or 6737.3 to sign this document as the person responsible for its preparation; and that I am a licensed contractor performing this work.

3 I affirm that I am eligible under Division 3 of the Business and Professions Code to sign this document because it pertains to a structure or type of work described as exempt pursuant to Business and Professions Code Sections 5537, 5538 and 6737.1.

Responsible Envelope Designer Name:	**Signature:**
Company:	Date Signed:
Address:	Declaration Statement Type:
City/State/Zip:	
Phone:	Title: License #:
Responsible Lighting Designer Name:	
Company:	**Signature:**
Address:	Date Signed:
City/State/Zip:	Declaration Statement Type:
Phone:	Title: License #:
Responsible Mechanical Designer Name: - specify -	
Company:	**Signature:**
Address:	Date Signed:
City/State/Zip:	Declaration Statement Type:
Phone:	Title: License #:

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NRCC-PRF-ENV-DETAILS -SECTION START-

A. OPAQUE SURFACE ASSEMBLY DETAILS

1. Surface Name	2. Surface Type	3. Description of Assembly Layers	4. Notes	Confirmed Pass	Confirmed Fail
Rancho Metal Framed Wall7	ExteriorWall	Stucco - 7/8 in. Vapor permeable felt - 1/8 in. Metal framed wall, 16in. OC, 5.5in., R-19 Gypsum Board - 1/2 in. Cellular polyisocyanurate (unfaced) - 1 in. R5.9		☐	☐
Rancho Room18	Roof	Built-up roofing - 3/8 in. Polyiso - 2.2 in. R-13 Air - Cavity - Wall Roof Ceiling - 4 in. or more Concrete - 140 lb/ft3 - 4 in. Cellular polyisocyanurate (unfaced) - 3 in. R18		☐	☐
Slab On Grade21	UndergroundFloor	Slab Type = UnheatedSlabOnGrade Insulation Orientation = None Insulation R-Value = R0		☐	☐
R-13 Wall55	InteriorWall	Stucco - 7/8 in. Vapor permeable felt - 1/8 in. Wood framed wall, 16in. OC, 3.5in., R-13 Gypsum Board - 1/2 in.		☐	☐
R-11 Floor No Crawlspace78	InteriorFloor	Wood framed floor, 16in. OC, 5.5in., R-11 Plywood - 1/2 in. Carpet - 3/4 in.		☐	☐

B. OVERHANG DETAILS *(Adapted from NRCC-ENV-02-E)*

This Section Does Not Apply

C. OPAQUE DOOR SUMMARY

This Section Does Not Apply

Project Name:	Rancho Cienega Sports Complex	NRCC-PRF-01-E	Page 23 of 31
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Compliance Scope:	NewComplete	Input File Name:	Rancho Cienega 10000 - 0803.cibdx

NRCC-PRF-MCH-DETAILS -SECTION START-

A. MECHANICAL VENTILATION AND REHEAT *(Adapted from 2013-NRCC-MCH-03-E)*

1. DESIGN AIR FLOWS 2. VENTILATION (§ 120.1)

CONDITIONED ZONE NAME	HEATING / COOLING SYSTEM ID	DESIGN PRIMARY AIR FLOW (CFM)	DESIGN PRIMARY MINIMUM AIR FLOW (CFM)	MINIMUM PRIMARY AIR FLOW FRACTION	MAXIMUM HEATING AIR FLOW (CFM)	MAXIMUM HEATING AIR FLOW FRACTION	DDC CONTROL (Y/N)	VENT SYSTEM ID	CONDITIONED AREA (ft2)	MIN. VENT PER AREA (CFM/ft2)	DESIGN NUM. OF PEOPLE	MIN. VENT PER PERSON (CFM/person)	REQ'D VENT AIR FLOW (CFM)	DESIGN VENT AIR FLOW (CFM)	TRANSFER AIRFLOW (CFM)	DCV (Y/N)	Confirmed Pass	Confirmed Fail
1-GYM	AAON RN-031	8,000	NA	NA	NA	NA	N	AAON RN-031	13,900	NA	139	15.0	2,085	2,085	NA	Y	☐	☐
5-ELECTRICAL	FCU-1	800	NA	NA	NA	NA	N	FCU-1	387	NA	1	100.0	58	58	NA	N	☐	☐
6-ELECTRICAL	FCU-2	920	NA	NA	NA	NA	N	FCU-2	387	NA	1	100.0	58	58	NA	N	☐	☐
7-ELECTRICAL	FCU-3	425	NA	NA	NA	NA	N	FCU-3	387	NA	1	100.0	58	58	NA	N	☐	☐
8-OFFICE	FCU-4	350	NA	NA	NA	NA	N	FCU-4	195	NA	1	30.0	29	29	NA	N	☐	☐
9-OFFICE	FCU-13	494	NA	NA	NA	NA	N	FCU-13	261	NA	1	30.0	39	39	NA	N	☐	☐
10-OFFICE	FCU-14	494	NA	NA	NA	NA	N	FCU-14	387	NA	2	30.0	58	58	NA	N	☐	☐
11-CLASSROOM	FCU-15	883	NA	NA	NA	NA	N	FCU-15	195	NA	1	30.0	29	29	NA	N	☐	☐
12-TICKET OFFICE	FCU-23	350	NA	NA	NA	NA	N	FCU-23	260	NA	1	30.0	39	39	NA	N	☐	☐
13-CONCESSIONS	FCU-24	883	NA	NA	NA	NA	N	FCU-24	514	NA	3	30.0	77	77	NA	N	☐	☐
14-PRESS BOX	FCU-25	390	NA	NA	NA	NA	N	FCU-25	260	NA	1	30.0	39	39	NA	N	☐	☐
15-ELECTRICAL	FCU-26	425	NA	NA	NA	NA	N	FCU-26	106	NA	0	100.0	16	16	NA	N	☐	☐
16-POOL	AHU-1 and 2	17,700	10,200	0.58	NA	NA	N	AHU-1 and 2	15,050	NA	502	15.0	7,525	7,525	NA	Y	☐	☐
17-DIRECT OFFICE	FCU-5	309	NA	NA	NA	NA	N	FCU-5	180	NA	1	30.0	27	27	NA	N	☐	☐
18-P100 LOBBY	FCU-6	636	NA	NA	NA	NA	N	FCU-6	420	NA	14	15.0	210	210	NA	Y	☐	☐
19-P102 STAFF OFFICE	FCU-7	350	NA	NA	NA	NA	N	FCU-7	180	NA	1	30.0	27	27	NA	N	☐	☐
20-GOLD BM STORAGE	FCU-8	350	NA	NA	NA	NA	N	FCU-8	180	NA	1	30.0	27	27	NA	N	☐	☐
21-STAFF OFFICE FIRST AID	FCU-9	350	NA	NA	NA	NA	N	FCU-9	180	NA	1	30.0	27	27	NA	N	☐	☐
22-POOL EQUIPMENT	FCU-10	920	NA	NA	NA	NA	N	FCU-10	691	NA	1	100.0	104	104	NA	N	☐	☐
23-TENNIS PRO SHOP	FCU-12	883	NA	NA	NA	NA	N	FCU-12	370	NA	6	15.0	92	92	NA	Y	☐	☐
24-COMMUNITY ROOM KITCHEN	FCU-16	350	NA	NA	NA	NA	N	FCU-16	120	NA	0	60.0	18	18	NA	N	☐	☐
25-COMMUNITY ROOM	FCU-17	883	NA	NA	NA	NA	N	FCU-17	1,370	NA	46	15.0	685	685	NA	Y	☐	☐
26-FITNESS ROOM	FCU-20	883	NA	NA	NA	NA	N	FCU-20	1,470	NA	15	15.0	221	221	NA	Y	☐	☐
27-MENS LOCKER ROOM	LOCKERS DOA	2,000	NA	NA	NA	NA	N	LOCKERS DOA	1,880	NA	19	15.0	282	282	NA	N	☐	☐
28-WOMENS LOCKER ROOM	LOCKERS DOA	2,000	NA	NA	NA	NA	N	LOCKERS DOA	1,380	NA	19	15.0	282	282	NA	N	☐	☐
								TOTAL	42,652		NA		NA	NA	NA		☐	☐

BUREAU OF ENGINEERING
OFFICIAL RECORD

CITY OF LOS ANGELES
BUREAU OF ENGINEERING
BUILDING NO. XX/XX
DATE: BY:
NO. REVISIONS:
INDEX NO. - RP 300094

REGISTERED PROFESSIONAL ENGINEER JOHN GREGORY ROZELUK No. M34269 11/30/2016 MECHANICAL STATE OF CALIFORNIA

CITY OF LOS ANGELES
PUBLIC WORKS
BID SET SUBMITTAL
DEPARTMENT OF PUBLIC WORKS
CITY ENGINEER
DATE:
LIC. NO. M-34269

GARY LEE MOORE, PE, ENV SP
ARCHITECTURAL DIVISION
ARCHITECT: JOHN ROZELUK, PE
DESIGNED BY: JW
DRAWN BY: JW
CHECKED BY: BD
APPROVED BY: Approver

VERTICAL CONTROL:
HORIZONTAL CONTROL:

SHEET TITLE: TITLE-24 FORMS

PROJECT: RANCHO CIENEGA SPORTS COMPLEX
ADDRESS: 5001 RODEO ROAD
LOS ANGELES, CA 90016

WORK ORDER NO. E1907694
PLAN FILE NO.
DRAWING NO. M-9.04
SHEET OF SHEETS

PLOTTED: 12/19/2016 1:40 PM

REVISION DATES (DESIGN STAGE ONLY)

THE CITY OF LOS ANGELES OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF ELECTRONIC COPIES OF THIS PLAN SHEET.

TEMPLATE SHEET REVISION DATE: 08/2014
REVISION DATE: 12/19/2016 12:21 PM FILE: O:\033386 RANCHO CIENEGA SPORTS COMPLEX\BKIM\F05 MEP\CAD\SHEET\TMM9.04.DWG

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B. ZONAL SYSTEM AND TERMINAL UNIT SUMMARY — § 140.4

1. System ID	2. System Type	3. Qty	4. Rated Capacity (kBtuh) Heating	4. Rated Capacity (kBtuh) Cooling	5. Economizer	6. Zone Name	7. Airflow (cfm) Design	7. Airflow (cfm) Min.	7. Airflow (cfm) Min. Ratio	8. Fan BHP	8. Fan Cycles	8. Fan ECM Motor	Fail	Pass	Confirmed
GYM1-TRM	VAV/Reh/reh/atBox	2	NA	NA	NA	1-GYM	8000	0	NA	NA	NA	NA	□	□	□
ELECTRICAL44-TRM	Uncontrolled	1	NA	NA	NA	5-ELECTRICAL	800	NA	NA	NA	NA	NA	□	□	□
ELECTRICAL52-TRM	Uncontrolled	1	NA	NA	NA	6-ELECTRICAL	920	NA	NA	NA	NA	NA	□	□	□
ELECTRICAL59-TRM	Uncontrolled	1	NA	NA	NA	7-ELECTRICAL	425	NA	NA	NA	NA	NA	□	□	□
OFFICE65-TRM	Uncontrolled	1	NA	NA	NA	8-OFFICE	350	NA	NA	NA	NA	NA	□	□	□
OFFICE71-TRM	Uncontrolled	1	NA	NA	NA	9-OFFICE	494	NA	NA	NA	NA	NA	□	□	□
OFFICE83-TRM	Uncontrolled	1	NA	NA	NA	10-OFFICE	494	NA	NA	NA	NA	NA	□	□	□
CLASSROOM90-TRM	Uncontrolled	1	NA	NA	NA	11-CLASSROOM	883	NA	NA	NA	NA	NA	□	□	□
TICKET OFFICE101-TRM	Uncontrolled	1	NA	NA	NA	12-TICKET OFFICE	350	NA	NA	NA	NA	NA	□	□	□
CONCESSIONS108-TRM	Uncontrolled	1	NA	NA	NA	13-CONCESSIONS	883	NA	NA	NA	NA	NA	□	□	□
PRESS BOX114-TRM	Uncontrolled	1	NA	NA	NA	14-PRESS BOX	390	NA	NA	NA	NA	NA	□	□	□
ELECTRICAL121-TRM	VAV/Reh/reh/atBox	1	NA	NA	NA	15-ELECTRICAL	425	NA	NA	NA	NA	NA	□	□	□
POOL127-TRM	Uncontrolled	1	NA	NA	NA	16-POOL	17700	10200	0.58	NA	NA	NA	□	□	□
P100 LOBBY140-TRM	Uncontrolled	1	NA	NA	NA	17-DIRECT OFFICE	300	NA	NA	NA	NA	NA	□	□	□
OFFICE158-TRM	Uncontrolled	1	NA	NA	NA	18-P100 LOBBY	636	NA	NA	NA	NA	NA	□	□	□
GOLD RM STORAGE164-TRM	Uncontrolled	1	NA	NA	NA	19-P102 STAFF OFFICE	350	NA	NA	NA	NA	NA	□	□	□
STAFF OFFICE FIRST AID170-TRM	Uncontrolled	1	NA	NA	NA	20-GOLD RM STORAGE	350	NA	NA	NA	NA	NA	□	□	□
POOL EQUIPMENT176-TRM	Uncontrolled	2	NA	NA	NA	21-STAFF OFFICE FIRST AID	350	NA	NA	NA	NA	NA	□	□	□
						22-POOL EQUIPMENT	920	NA	NA	NA	NA	NA	□	□	□

C. EXHAUST FAN SUMMARY — § 140.4

1. System ID	2. Zone Name	3. Qty	4. CFM	5. Motor BHP	6. Total Static Pressure (in H20)	7. Fan Cycles	7. Fan ECM Motor	Fail	Pass	Confirmed
UNCONDITIONED22	2-UNCONDITIONED	1	1200	0.330	1.05	NA	NA	□	□	□
UNCONDITIONED33	3-UNCONDITIONED	1	1200	0.330	1.05	NA	NA	□	□	□
UNCONDITIONED38	4-UNCONDITIONED	1	1200	0.330	1.05	NA	NA	□	□	□
POOL137	16-POOL	1	11000	3.800	1.32	NA	NA	□	□	□
MENS LOCKER ROOM216	27-MENS LOCKER ROOM	1	2000	0.500	0.95	NA	NA	□	□	□
WOMENS LOCKER ROOM221	28-WOMENS LOCKER ROOM	1	2000	0.500	0.95	NA	NA	□	□	□

D. DHW EQUIPMENT SUMMARY - *(Adopted from NRCC-PLB-01)*

This Section Does Not Apply

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E. MULTI-FAMILY CENTRAL DHW SYSTEM DETAILS

This Section Does Not Apply

F. SOLAR HOT WATER HEATING SYSTEM SUMMARY (Adapted from NRCC-STH-01)

This Section Does Not Apply

G. MECHANICAL HVAC ACCEPTANCE TESTS & FORMS *(Adapted from 2013-NRCC-MCH-01-E)* — § 10.4

Declaration of Required Acceptance Certificates (NRCA) – Acceptance Certificates that may be submitted. (Retain copies and verify forms are completed and signed to post in field for Field Inspector to verify).

Test Description	Equipment Requiring Testing or Verification	# of units	Outdoor Air	Single Zone Unitary	Air Dist. Ducts	Economizer Controls	DCV	Supply Fan VAV	Valve leakage	Supply Water Temp. Reset	Hyd. Variable Flow Control	Auto Demand Shed Control	FDD for DX Units	Auto FDD for Air & Zone	Dist. Energy Storage DX AC	Supply Air Temp. Reset	TES Systems	Condenser Water Reset Controls	ECMS	Fail	Pass	Confirmed
MCH-02A	Kitchen/Bake Shop/Servery	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	□	□	□
MCH-02A	UNCONDITIONED22	1	...	...	...	...	...	...	...	...	...	...	X	...	...	...	...	...	...	□	□	□
MCH-02A	POOL127	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	□	□	□
MCH-02A	FCU-5	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	□	□	□
MCH-02A	FCU-6	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	□	□	□
MCH-02A	FCU-7	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	□	□	□
MCH-02A	FCU-8	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	□	□	□
MCH-02A	FCU-9	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	□	□	□
MCH-02A	FCU-10	2	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	□	□	□
MCH-02A	FCU-12	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	□	□	□

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G. MECHANICAL HVAC ACCEPTANCE TESTS & FORMS *(Adapted from 2013-NRCC-MCH-01-E)* — § 10.4

Declaration of Required Acceptance Certificates (NRCA) – Acceptance Certificates that may be submitted. (Retain copies and verify forms are completed and signed to post in field for Field Inspector to verify).

Test Description	Equipment Requiring Testing or Verification	# of units	Outdoor Air	Single Zone Unitary	Air Dist. Ducts	Economizer Controls	DCV	Supply Fan VAV	Valve leakage	Supply Water Temp. Reset	Hyd. Variable Flow Control	Auto Demand Shed Control	FDD for DX Units	Auto FDD for Air & Zone	Dist. Energy Storage DX AC	Supply Air Temp. Reset	TES Systems	Condenser Water Reset Controls	ECMS	Fail	Pass	Confirmed
MCH-02A	FCU-13	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	□	□	□
MCH-02A	FCU-14	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	□	□	□
MCH-02A	FCU-15	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	□	□	□
MCH-02A	FCU-23	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	□	□	□
MCH-02A	FCU-24	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	□	□	□
MCH-02A	FCU-25	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	□	□	□
MCH-02A	FCU-26	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	□	□	□
MCH-02A	AHU-1 and 2	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	□	□	□
MCH-02A	POOL127	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	□	□	□
MCH-02A	FCU-5	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	□	□	□
MCH-02A	FCU-6	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	□	□	□
MCH-02A	FCU-7	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	□	□	□
MCH-02A	FCU-8	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	□	□	□
MCH-02A	FCU-9	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	□	□	□
MCH-02A	FCU-10	2	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	□	□	□
MCH-02A	FCU-12	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	□	□	□

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G. MECHANICAL HVAC ACCEPTANCE TESTS & FORMS *(Adapted from 2013-NRCC-MCH-01-E)* — § 10.4

Declaration of Required Acceptance Certificates (NRCA) – Acceptance Certificates that may be submitted. (Retain copies and verify forms are completed and signed to post in field for Field Inspector to verify).

Test Description	Equipment Requiring Testing or Verification	# of units	Outdoor Air	Single Zone Unitary	Air Dist. Ducts	Economizer Controls	DCV	Supply Fan VAV	Valve leakage	Supply Water Temp. Reset	Hyd. Variable Flow Control	Auto Demand Shed Control	FDD for DX Units	Auto FDD for Air & Zone	Dist. Energy Storage DX AC	Supply Air Temp. Reset	TES Systems	Condenser Water Reset Controls	ECMS	Fail	Pass	Confirmed
MCH-02A	UNCONDITIONED38	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	□	□	□
MCH-02A	UNCONDITIONED33	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	□	□	□
MCH-02A	UNCONDITIONED22	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	□	□	□
MCH-02A	P100 LOBBY140	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	□	□	□
MCH-02A	OFFICE158	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	□	□	□
MCH-02A	GOLD RM STORAGE164	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	□	□	□
MCH-02A	STAFF OFFICE FIRST AID170	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	□	□	□
MCH-02A	POOL EQUIPMENT176	2	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	□	□	□

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G. *MECHANICAL HVAC ACCEPTANCE TESTS & FORMS (Adapted from 2013-NRCC-MCH-01-E)* — § 10.4

Declaration of Required Acceptance Certificates (NRCA) – Acceptance Certificates that may be submitted. (Retain copies and verify forms are completed and signed to post in field for Field Inspector to verify).

Test Description	Equipment Requiring Testing or Verification	# of units	Outdoor Air	Single Zone Unitary	Air Dist. Ducts	Economizer Controls	DCV	Supply Fan VAV	Valve leakage	Supply Water Temp. Reset	Hyd. Variable Flow Control	Auto Demand Shed Control	FDD for DX Units	Auto FDD for Air & Zone	Dist. Energy Storage DX AC	Supply Air Temp. Reset	TES Systems	Condenser Water Reset Controls	ECMS	Fail	Pass	Confirmed
MCH-02A	Rancho Cienega Sports Complex	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	□	□	□

B. INDOOR CONDITIONED LIGHTING MANDATORY LIGHTING CONTROLS (Adapted from NRCC-LTI-02-E) — § 130.1

This Section Does Not Apply

§130.1(b) = Manual area controls; §130.1(b) + Multi-Level; §130.1(c) - Auto Shut-Off; §130.1(d) = Daylight; §130.1(e) = Demand Responsive

C. TAILORED METHOD CONDITIONED LIGHTING POWER ALLOWANCE SUMMARY AND CHECKLIST (Adapted from NRCC-LTI-04-E) — § 140.6

General lighting power (see Table D)	0
General lighting power from special function areas (see Table E)	N/A
Additional "use it or lose it" (see Table G)	0
Total watts	0

D. GENERAL LIGHTING POWER (Adapted from NRCC-LTI-04-E) — § 140.6-D

This Section Does Not Apply

E. GENERAL LIGHTING FROM SPECIAL FUNCTION AREAS (Adapted from NRCC-LTI-04-E) — § 140.6(J) 3H

Room Number	Primary Function Area	Illuminance Value (LUX)	Room Cavity Ratio (Table G)	Allowed LPD	Floor Area (ft²)	Allowed Watts	Confirmed Pass	Confirmed Fail
NA	NA	NA	NA	NA	NA	NA	□	□

Note: Tailored Method for Special Function Areas is not currently implemented

F. ROOM CAVITY RATIO (Adapted from NRCC-LTI-04-E)

Rectangular Spaces									
Room Number	Task/Activity Description	Room Length (ft)	Room Width (ft)	Room Cavity Height (ft)	RCR	Confirmed Pass	Confirmed Fail
NA	NA	NA	NA	NA	NA	□	□
Non-Rectangular Spaces							
NA	This Section Does Not Apply	...	...	...	...	□	□

Note: All applicable spaces are listed under the Non-Rectangular Spaces table

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H. EVAPORATIVE COOLER SUMMARY

This Section Does Not Apply

NRCC-PRF-LTI-DETAILS - SECTION START-

A. INDOOR CONDITIONED LIGHTING CONTROL CREDITS (Adapted from NRCC-LTI-02-E) — § 140.6

This Section Does Not Apply

CA Building Energy Efficiency Standards- 2013 Nonresidential Compliance — Report Version: NRCC-PRF-01-E-06212016-3995 — Report Generated at: 2016-08-02 17:27:33

BUREAU OF ENGINEERING
OFFICIAL RECORD

ENGINEERING
CITY OF LOS ANGELES

BUREAU OF ENGINEERING

BUILDING NO. XX/XX

INDEX NO. - RP 300094

NO.	REVISIONS:	DATE:	BY:
1			
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REGISTERED PROFESSIONAL ENGINEER — JOHN GREGORY ROZELUK — No. M34269 — 12/19/2016 — MECHANICAL — STATE OF CALIFORNIA

CITY OF LOS ANGELES
DEPARTMENT OF PUBLIC WORKS

CITY ENGINEER — DATE:
LIC. NO. M-34269

BID SET SUBMITTAL

GARY LEE MOORE, PE, ENV SP — CITY ENGINEER

ARCHITECT: JOHN ROZELUK, PE
DESIGNED BY: JW
DRAWN BY: JW
CHECKED BY: BD
APPROVED BY: Approver

ARCHITECTURAL DIVISION
STRUCTURAL CONTROL:
HORIZONTAL CONTROL:
VERTICAL CONTROL:

SHEET TITLE: TITLE-24 FORMS

PROJECT: RANCHO CIENEGA SPORTS COMPLEX
5001 RODEO ROAD
ADDRESS: LOS ANGELES, CA 90016

WORK ORDER NO. E1907694
PLAN FILE NO.

DRAWING NO. M-9.05
SHEET OF SHEETS

PLOTTED: 12/19/2016 1:40 PM

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REVISION DATES (DESIGN STAGE ONLY)

TEMPLATE SHEET REVISION DATE: 082014
REVISION DATE: 12/19/2016 12:21 PM FILE: O:\033386 RANCHO CIENEGA SPORTS COMPLEX\BKIM\F05 MEP\CAD\SHEET\TMM4.9.05.DWG

Project Name:	Rancho Cienega Sports Complex
Project Address:	5001 Rodeo Rd Los Angeles 90016
Compliance Scope:	NewCorrplete
NRCC-PRF-01-E	Page 31 of 31
Calculation Date/Time:	17:24, Tue Aug 02, 2016
Input File Name:	Rancho Cienega 16000 - 0803.cibdx

G. ADDITIONAL "USE IT OR LOSE IT" (Adapted from NRCC-LTI-04-E)

1. Wall Display	2. Combined Floor Display and Task Lighting	3. Combined Ornamental and Special Effects Lighting	4. Very Valuable Merchandise	Allowed Watts	Confirmed Pass	Confirmed Fail
0	0	0	0	0	☐	☐

5. Wall Display

This Section Does Not Apply

6. Floor Display and Task Lighting

This Section Does Not Apply

7. Combined Ornamental and Special Effects Lighting

This Section Does Not Apply

8. Very Valuable Merchandise

This Section Does Not Apply

H. INDOOR & OUTDOOR LIGHTING ACCEPTANCE TEST: & FORMS (Adapted from NRCC-LTI-03-E and NRCC-LTO-01-E) **§ 130.4**

Declaration of Required Acceptance Certificates (NRCA) –Acceptance Certificates that must be verified in this field. (Retain copies and verify forms are completed and signed to post in field for Field Inspector to verify).

Test Description	Indoor				Outdoor		Confirmed	
	NRCA-LTI-02-A		NRCA-LTI-03-A	NRCA-LTI-04-A	NRCA-LTO-02-A			
Equipment Requiring Testing or Verification	# of units	OCc Sensor / Auto Time Switch	Auto Daylight	Demand Responsive	Outdoor Controls		Pass	Fail
Occupant Sensors	0	☐	☐	☐	☐		☐	☐
Automatic Time Switch	0	☐	☐	☐	☐		☐	☐
Automatic Daylighting	0	☐	☐	☐	☐		☐	☐
Demand Responsive	0	☐	☐	☐	☐		☐	☐
Outdoor Controls	0	☐	☐	☐	☐		☐	☐

CA Building Energy Efficiency Standards - 2013 Nonresidential Compliance — Report Version: NRCC-PRF-01-E-08221016-3995 — Report Generated at: 2016-08-02 17:27:33

ENVELOPE MANDATORY MEASURES: NONRESIDENTIAL — **ENV-MM**

Project Name: *Rancho Cienega Sports Complex* — Date: *02/08/2016*

DESCRIPTION

Building Envelope Measures:

§110.3(a): Installed insulating material shall have been certified by the manufacturer to comply with the California Quality Standards for insulating material. Title 20 Chapter 4, Article 3.

§110.8(a): All Insulating Materials shall be installed in compliance with the flame spread rating and smoke density requirements of Sections 2602 and 707 of Title 24, Part 2.

§110.8(f): The opaque portions of framed demising walls in nonresidential buildings shall have insulation with an installed R-value of no less than R-13 between framing members.

§110.7(a): All joints, penetrations, and openings in building that are observable sources of air leakage shall be caulked, gasketed, weatherstripped or otherwise sealed.

§110.6(a): Manufactured fenestration products and exterior doors shall have air infiltration rates not exceeding 0.3 cfm/ft² of window area, 0.3 cfm/ft² of door area for residential doors, 0.3 cfm/ft² of door area for nonresidential single doors (swinging and sliding), and 1.0 cfm/ft² for nonresidential double doors (swinging).

§110.6(a): Fenestration U-factor shall be rated in accordance with NFRC 100, or the applicable default U-factor.

§110.6(a) : Fenestration SHGC shall be rated in accordance with NFRC 200, or NFRC 100 for site-built fenestration, or the applicable default SHGC.

§110.6(b): Site Constructed Doors, Windows and Skylights shall be caulked between the unit and the building, and shall be weatherstripped (except for unframed glass doors and fire doors).

EnergyPro 6, by EnergySoft — *User Number: 7261* — *ID: 034454* — *Page 34 of 34*

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ENGINEERING — CITY OF LOS ANGELES

BUILDING NO. XX/XX

INDEX NO. - RP 300094

REGISTERED PROFESSIONAL ENGINEER — JOHN GREGORY ROZELUK — No. M34269 — 12/19/2016 — MECHANICAL — STATE OF CALIFORNIA

BID SET SUBMITTAL

CITY OF LOS ANGELES — DEPARTMENT OF PUBLIC WORKS

VERTICAL CONTROL:
HORIZONTAL CONTROL:

GARY LEE MOORE, PE, ENV SP — CITY ENGINEER

ARCHITECT: JOHN ROZELUK, PE — LIC. NO. M-34269 — ARCHITECTURAL DIVISION

DESIGNED BY: JW
DRAWN BY: JW
CHECKED BY: BD
APPROVED BY: Approver

SHEET TITLE: TITLE-24 FORMS

PROJECT: RANCHO CIENEGA SPORTS COMPLEX

ADDRESS: 5001 RODEO ROAD LOS ANGELES, CA 90016

WORK ORDER NO. E1907694

PLAN FILE NO.

DRAWING NO. M-9.06

SHEET OF SHEETS

PLUMBING GENERAL NOTE

1. EXISTING PIPING AND EQUIPMENT TO REMAIN IS SHOWN LIGHT. EXISTING PIPING AND EQUIPMENT TO BE REMOVED IS SHOWN CROSSHATCHED.

2. ARCHITECTURAL DRAWINGS SHALL BE REVIEWED FOR PROJECT SCOPE AND AREA OF WORK. WORK SHALL INCLUDE DEMOLITION AND REMOVAL OF EXISTING PLUMBING FIXTURES AS REQUIRED. PLUMBING IN EXISTING WALLS AND UNDER GROUND SHALL BE REMOVED AND CAPPED AS REQUIRED. RECONNECT EXISTING PIPING TO FIXTURES AND EQUIPMENT NOT IN DEMOLITION AREA AS REQUIRED TO MAINTAIN A COMPLETE AND OPERABLE SYSTEM.

3. THE OWNER RESERVES FIRST CHOICE TO KEEP EXISTING EQUIPMENT AND MATERIALS. COORDINATE WITH OWNER AND DELIVER DESIGNATED EQUIPMENT AND MATERIALS REMOVED UNDER THIS CONTRACT TO OWNERS DESIGNATED STORAGE AREA.

4. REFER TO ARCHITECTURAL DRAWINGS FOR EXACT PLUMBING FIXTURE LOCATIONS. THIS SHALL INCLUDE, BUT NOT BE LIMITED TO, ALL HANDICAPPED FIXTURES.

5. ITEM DESIGNATIONS INDICATED ARE FOR PURPOSES OF THESE DOCUMENTS ONLY. CONTRACTOR SHALL VERIFY WITH OWNER ACTUAL DESIGNATION INFORMATION TO BE PROVIDED FOR EACH ITEM OF PLUMBING EQUIPMENT PRIOR TO NAMEPLATE ORDER RELEASE.

6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PAYING FEES AND OBTAINING PERMITS AND INSPECTIONS REQUIRED FOR THE WORK.

7. WORK SHALL BE COORDINATED WITH THE WORK OF OTHER TRADES INCLUDING CONTRACT DOCUMENTS, SHOP DRAWINGS, AND EXISTING SYSTEMS.

8. DO NOT SCALE DRAWINGS AS THEY ARE DIAGRAMMATIC AND SCHEMATIC IN NATURE. CONTRACTOR SHALL PROVIDE NECESSARY ITEMS TO COMPLETE THE WORK ACCORDING TO INDUSTRY STANDARDS. IT IS THE INTENT OF THE DRAWINGS AND SPECIFICATIONS TO CALL OUT FOR FINISHED WORK, TESTED AND READY FOR OPERATION. ARRANGEMENT OF EQUIPMENT AND ROUTING OF PIPES INDICATED ON DRAWINGS SHALL BE ROUTED PLUMB AND AT RIGHT ANGLES. INSTALLATION OF SYSTEMS MAY REQUIRE MODIFICATION DUE TO UNFORESEEN CONDITIONS.

9. VERIFY ALL SIZES, DIMENSIONS, AND CONDITIONS BEFORE STARTING ANY WORK. ANY DEVIATIONS OR PROBLEMS SHALL BE TRANSMITTED TO THE ENGINEER FOR REVIEW.

10. EACH BIDDER SHALL EXAMINE THE BIDDING DOCUMENTS CAREFULLY AND, NOT LATER THAN SEVEN DAYS PRIOR TO THE DATE OF RECEIPT AND BIDS, SHALL MAKE WRITTEN REQUEST TO THE ARCHITECT FOR INTERPRETATION OR CORRECTION OF ANY DISCREPANCIES, AMBIGUITY, INCONSISTENCY OR ERROR THEREIN WHICH MAY BE DISCOVERED. ANY INTERPRETATION OR CORRECTION WILL BE ISSUED AS AN ADDENDUM BY THE ARCHITECT. ONLY A WRITTEN INTERPRETATION OR CORRECTION BY ADDENDUM SHALL BE BINDING, NO BIDDER SHALL RELY UPON INTERPRETATIONS OR CORRECTIONS GIVEN BY ANY OTHER METHOD. IF DISCREPANCIES, AMBIGUITY, INCONSISTENCY OR ERROR ARE NOT COVERED BY ADDENDUM OR WRITTEN DIRECTIVE, CONTRACTOR SHALL INCLUDE THE FOLLOWING IN THE BID: LABOR, MATERIALS AND METHODS OF CONSTRUCTION RESULTING IN HIGHER COST. AFTER AWARD OF CONTRACT, NO ALLOWANCE OR EXTRA COMPENSATION WILL BE MADE IN BEHALF OF THE CONTRACTOR DUE TO THE CONTRACTOR'S FAILURE TO MAKE THE WRITTEN REQUESTS AS DESCRIBED ABOVE.

11. WORK SHALL BE PERFORMED IN A WORKMANLIKE MANNER OF THE SATISFACTION OF THE ARCHITECT.

12. CONTRACTORS, BY SUBMITTING A BID ARE DEEMED TO BE COMPLETELY FAMILIAR WITH THE EXISTING CONDITIONS OF THE BUILDING AS IT INFLUENCES THE WORK DESCRIBED. NO CLAIMS FOR EXTRA COMPENSATION WILL BE CONSIDERED FOR EXISTING CONDITIONS VISIBLE OR REASONABLY INFERABLE FROM A CAREFUL EXAMINATION OF THE EXISTING BUILDING CONDITIONS.

13. CONTRACTOR SHALL INSPECT THE EXISTING FIELD CONDITIONS AT THE SITE (INCLUDING BUT NOT LIMITED TO SIZES, INVERTS AND POINTS OF CONNECTION) AND THE CONTRACT DOCUMENTS PRIOR TO THE START OF ANY WORK TO DETERMINE WHAT EFFECT THE EXISTING CONDITIONS WILL HAVE ON THE WORK POTENTIAL. CONTRACTOR SHALL REPORT DISCREPANCIES TO THE ARCHITECT AND INCLUDE IN THE BID ALL COSTS REQUIRED TO MAKE THE CONTRACTOR'S WORK MEET EXISTING CONDITIONS.

14. SHUTDOWN OF EXISTING SYSTEMS SHALL BE COORDINATED WITH THE OWNER. CONTRACTOR SHALL SUBMIT REQUESTS WHERE THEY AFFECT THE OPERATION OF THE BUILDING SYSTEMS AT LEAST ONE (1) WEEK IN ADVANCE OF ANY REQUIRED SHUTDOWN. THE ACTUAL SHUTDOWN PERIOD SHALL BE AS SHORT AS POSSIBLE AND AT A TIME AGREED TO BY THE OWNER.

15. DEMOLITION SHALL BE COORDINATED WITH OWNER, ARCHITECT AND GENERAL CONTRACTOR. CONTRACTOR SHALL PROVIDE THE FOLLOWING SERVICES AS APPLICABLE, ON EXISTING PLUMBING EQUIPMENT INDICATED TO REMAIN: BALANCING, LUBRICATION OF APPLICABLE MOVING COMPONENTS, CLEAN COILS, CALIBRATE UNIT CONTROL COMPONENTS AND VERIFY CONTROLS OPERATION, CLEAN CONDENSATE PAN AND TRAP, AND VERIFY PITCH OF CONDENSATE DRAIN.

16. CONTRACTOR SHALL REPORT ANY EQUIPMENT DEFICIENCIES FOUND TO THE ARCHITECT WITHIN FIVE (5) DAYS OF DISCOVERY.

17. LOCKS SHALL BE INSTALLED ON ALL PUBLICLY ACCESSIBLE EXTERIOR FAUCETS AND HOSE BIBS.

18. WATER USED IN THE BUILDING FOR WATER CLOSETS, URINALS, FLOOR DRAINS AND PROCESS COOLING AND HEATING SHALL COME FROM CITY-RECYCLE WATER IF AVAILABLE FOR USE WITHIN 200 FEET OF THE PROPERTY LINE.

19. WHERE GROUNDWATER IS BEING EXTRACTED AND DISCHARGED, A SYSTEM FOR ONSITE REUSE OF THE GROUNDWATER SHALL BE DEVELOPED AND CONSTRUCTED IF THE GROUNDWATER WILL NOT BE DISCHARGED TO THE SEWER.

20. THE HOT WATER SYSTEM SHALL NOT ALLOW MORE THAN 0.6 GALLONS OF WATER TO BE DELIVERED TO ANY FIXTURE BEFORE HOT WATER ARRIVES.

PLUMBING PLAN CHECK NOTES

1. ALL FIXTURES, EQUIPMENT, PIPING, AND MATERIALS SHALL BE LISTED AS PER LAPC 103.2.1, LAPC 301.1.

2. ALL PLUMBING FIXTURES SHALL MEET THE FLOW REQUIREMENTS SPECIFIED IN THE LOS ANGELES PLUMBING CODE.

3. ALL FAUCETS IN PUBLIC RESTROOMS SHALL BE SELF-CLOSING OR SELF-CLOSING METERING FAUCETS.

4. PUBLIC LAVATORIES SHALL HAVE CONTROLS TO LIMIT THE WATER TEMPERATURE TO 120° F.

PIPE MATERIAL SCHEDULE

PIPE	MATERIALS
CONDENSATE DRAIN (CD)	COPPER TYPE M WITH SOLDERED FITTINGS FROM DEVICE, WITH INSULATION/HUBLESS CAST-IRON WITH NEOPRENE GASKET & STAINLESS STEEL BAND SHIELD(BEYOND DEVICE) WITH INSULATION.
DOMESTIC COLD WATER (ABOVE GROUND - COMMERCIAL)	LEAD-FREE HARD DRAWN COPPER TYPE L TUBING ASTM B88 WITH 95/5 SOLDERED FITTINGS.
DOMESTIC COLD WATER (CW) (BELOW GROUND)	LEAD-FREE HARD DRAWN COPPER TYPE L TUBING ASTM B88 WITH 95/5 SOLDERED FITTINGS.
DOMESTIC HOT WATER (HW)	LEAD-FREE HARD DRAWN COPPER TYPE L TUBING ASTM B88 WITH 95/5 SOLDERED FITTINGS.
FIRE PROTECTION WATER (ABOVE GROUND)	FOR PIPE SIZES 2" AND BELOW: BLACK STEEL PIPE SCHEDULE 40 ASTM A-53 BLACK STEEL; FOR PIPE SIZES 2-1/2" AND ABOVE: BLACK STEEL PIPE SCHEDULE 10 WITH VICTUALIC COUPLINGS AND WITH STANDARD FS INSTALLATION PRACTICES AND CODES.OR CPVC ASTM F 442 WHERE PERMITTED AND APPROVED BY AHJ AND LOCAL FIRE MARSHALL.
FIRE PROTECTION WATER (BELOW GROUND)	PVC C900 CLASS 305 PIPING
NATURAL GAS	HDPE WELDED GAS PIPE WITH A WIRE TRACER (OUTSIDE BUILDING) / SCHEDULE 40 BLACK STEEL (INSIDE BUILDING) THREADED FITTINGS 2" SMALLER, WELDED FITTING 2-1/2" AND LARGER
SANITARY WASTE (ABOVE GROUND)	STANDARD WEIGHT CAST IRON PIPE WITH HUBLESS STAINLESS STEEL COUPLINGS AND COMPLY WITH CISPI 301 AND 300.
SANITARY WASTE(BELOW SLAB)	STANDARD WEIGHT CAST IRON PIPE WITH HUBLESS STAINLESS STEEL COUPLINGS AND COMPLY WITH CISPI 301 AND 300.
STORM AND OVERFLOW DRAIN (ABOVE GROUND)	STANDARD WEIGHT CAST IRON PIPE WITH HUBLESS STAINLESS STEEL COUPLINGS AND COMPLY WITH CISPI 301 AND 300.
STORM AND OVERFLOW DRAIN (BELOW SLAB)	STANDARD WEIGHT CAST IRON PIPE WITH HUBLESS STAINLESS STEEL COUPLINGS AND COMPLY WITH CISPI 301 AND 300.
VENT (ABOVE GROUND)	STANDARD WEIGHT CAST IRON PIPE WITH HUBLESS STAINLESS STEEL COUPLINGS AND COMPLY WITH CISPI 301 AND 300.
VENT (BELOW SLAB)	SOLID WALL PVC PIPE WITH PVC WELDED OR SOLVENT WELDED FITTINGS.

PLUMBING FIXTURE SCHEDULE

PLUMBING FIXTURE LISTED BELOW SHALL BE REVIEWED AND APPROVED BY ARCHITECT AND OWNER.

TAG	PIPE ROUGH-IN						REMARKS
	WASTE	VENT	RW	DCW	DHW	STORM	
WC-1	4"	2"	1"	-	-	-	WATER CLOSET - WALL HUNG - VITREOUS CHINA, ELONGATED TOILET, AMERICAN STANDARD AFWALL FloWise, MODEL 3351.101. FLUSH VALVE: AMERICAN STANDARD, SELECTRONIC EXPOSED 1.28 GPF MODEL: 6067.121.002. SEAT: AMERICAN STANDARD, MODEL 5901.001 .
WC-2	4"	2"	1"	-	-	-	WATER CLOSET - WALL HUNG ADA HEIGHT - VITREOUS CHINA, ELONGATED TOILET, AMERICAN STANDARD AFWALL FloWise, MODEL 3351.101. FLUSH VALVE: AMERICAN STANDARD, SELECTRONIC EXPOSED 1.28 GPF MODEL: 6067.121.002. SEAT: AMERICAN STANDARD, MODEL 5901.001 .
UR-1	2"	2"	1"	-	-	-	URINAL - WALL MOUNTED, ULTRA HIGH EFFICIENT URINAL AMERICAN STANDARD WASHBROOK 6590.125 TOP SPUD (0.125-GPF). FLUSH VALVE: SELECTRONIC AMERICAN STANDARD 6061.013.002 EXPOSED SENSOR PISTON-TYPE, ONE TRANSFORMER FOR MULTIPLE FIXTURES, SHALL BE ADA COMPLIANT.
LV-1	2"	1-1/2"	-	3/4"	3/4"	-	LAVATORY (ACCESSIBLE) - DECOLAV 1300 SERIES. UNDERMOUNT STAINLESS STEEL WITH SENSOR TYPE FAUCET(AMERICAN STANDARD INNSBROOK 6056.204) W/ VANDAL RESISTANT BRASS BODY SPOUT, .35-GPM NON-AERATED METERING FAUCET 0.044 GPM PER 7.5 SEC CYCLE, THERMAL MIXING FAUCET VALVE. GRID STRAINER, AERATOR AND OFFSET LA PATTERN CAST BRASS P-TRAP AND TRAP ARM. PROVIDE TRUEBRO LAV GUARD PROTECTIVE SHIELD PIPE COVERS. ASSEMBLY SHALL BE ADA COMPLIANT.
SH-1	2"	1-1/2"	-	3/4"	3/4"	-	SHOWER ADA - AMERICAN STANDARD FloWise MODEL: 1662.211. PRESSURE-BALANCING MIXING VALVE WITH INTEGRAL SERVICE CHECK STOPS(R120SS). ADJUSTABLE HOT LIMIT SAFETY STOP. SHOWER HEAD NIAGARA CHROME N2515CH @ 1.5 GPM. SHOWER TO BE FURNISHED WITH SHOWER DRAIN SD-1.
MS-1	3"	2"	-	3/4"	3/4"	-	MOP SINK - FLOOR MOUNTED, AMERICAN STANDARD FLORWELL MODEL: 7745.811 WITH REMOVABLE VINYL-COATED RIM GUARD. AMERICAN STANDARD 8355.110 FAUCET WITH TOP BRACE, STOPS AND VACUUM BREAKER
FS-1	3"	2"	-	1/2"TP	-	-	FLOOR SINK - J.R. SMITH MODEL:3100Y SANI-CEPTOR ACID RESISTANT WITH DOME STRAINER AND TRAP PRIMER CONNECTION (JAY R SMITH 2005Y02B-U).
FD-1	2"	2"	-	1/2"TP	-	-	FLOOR DRAIN - 6 INCH SQUARE, NICKEL BRONZE FLOOR DRAIN WITH VANDAL PROOF SCREWS AND TRAP PRIMER CONNECTION (JAY R SMITH 2005Y02B-U).
RD-1	-	-	-	-	-	AS PER PLANS	ROOF DRAIN - J.R. SMITH MODEL: 1015Y WITH DOME STRAINER, ADJUSTABLE CAST IRON EXTENSION DECK FLANGE, UNDERDECK CLAMP, WATER-PROOFING FLANGE, EXTENDED WIDE ELASTOMERIC FLANGE.
OD-1	-	-	-	-	-	AS PER PLANS	ROOF DRAIN - J.R. SMITH MODEL: 1015Y WITH DOME STRAINER, ADJUSTABLE CAST IRON EXTENSION DECK FLANGE, UNDERDECK CLAMP, WATER-PROOFING FLANGE, EXTENDED WIDE ELASTOMERIC FLANGE.
TP-1	-	-	-	3/4"	-	-	TRAP PRIMER - AUTOMATIC BATTERY-OPERATED SHALL BE PPP MODEL MPB-500-12V COMPLETE WITH TP OUTLETS, ATMOSPHERIC VACUUM BREAKER, TIMER, SOLENOID VALVE, TEST SWITCH, & CABINET WITH ACCESS PANEL FOR RECESSED WALL MOUNTING.
WHA-1	-	-	-	-	-	-	WATER HAMMER ARRESTOR - PPP MODEL SC-500 THRU SC-1000 DEPENDING ON THE APPLICATION. SIZE PER MANUFACTURER RECOMMENDATIONS BASED ON APPLICATION. PROVIDE SOV IN RISE.
HB-1	-	-	-	3/4"	-	-	HOSEBIBB - WALL MOUNTED, J.R. SMITH MODEL: 5559QT QUATERHORSE WITH INTEGRAL VACUUM BREAKER AND STAINLESS STEEL BOX COORDINATE FINISH WITH ARCHITECT.
HB-2	-	-	-	3/4"	-	-	HOSE BIBB - ROOF MOUNTED , J.R SMITH MODEL : 5906 NON-FREEZE ROOF HYDRANT.
RR-1	2"	2"	-	-	-	-	ROOF-CEPTOR-J.R. SMITH MODEL: 3960Y WITH NO HUB-OUTLET.

GAS FIRED HOT WATER HEATER (POOL BUILDING)

UNIT TAG	QTY.	LOCATION	MAKE	MODEL NUMBER	SERVICE	TYPE	INPUT (BTU)	STORAGE CAPACITY (GAL)	GPH @ 100°F	DIMENSIONS DIA.xH (INCHES)	ELECTRICAL (V/P/H)	OPERATING WEIGHT(LBS.)	REMARKS
DWH-1	3	POOL MECHANICAL ROOM	PVI INDUSTRIES,LLC	60 L 130 A-GCMIL	**POOL BUILDING** DOMESTIC HOT WATER	GAS FIRED CONDENSING WATER HEATER	600,000	130	699	33-3/4x80-3/4	120/1/60	2100	CONDENSING WATER HEATER , ASME RATED TANK, T&P RELIEF VALVE, AQUASTAT, TIME CLOCK, TEMPERATURE AND PRESSURE GAUGES, SEISMIC ATTACHMENT POINT AND DRAIN VALVE. FURNISH WITH ACID NEUTRALIZER KIT.SET TEMPERATURE AT 140 DEG. F.

ELECTRIC HOT WATER HEATER (POINT OF USE)

UNIT TAG	QTY.	LOCATION	MAKE	MODEL NUMBER	SERVICE	TYPE	INPUT (KW)	STORAGE CAPACITY (GAL)	GPH @ 90°F	DIMENSIONS DIA.xH (INCHES)	ELECTRICAL (V/P/H)	OPERATING WEIGHT(LBS.)	REMARKS
EWH-2	1	ABOVE SINK	RHEEM	EGSP 10	**GYMNASIUM** DOMESTIC HOT WATER	POINT OF USE	6	10	7	15-3/4 x 22-7/8	240/1 /60	-	TANK INTERIOR SHALL BE COATED WITH A HIGH TEMPERATURE PORCELAIN ENAMEL AND FURNISHED WITH AN R-TECH RESISTORED MAGNESIUM ANODE ROD RIGIDLY SUPPORTED. WATER HEATER(S) SHALL BE EQUIPPED WITH A COPPER, RESISTORED, "SCREW-IN" TYPE ELEMENT. TANK SHALL BE INSULATED WITH RIGID POLYURETHANE FOAM INSULATION. WATER HEATER SHALL BE EQUIPPED WITH A SURFACE MOUNTED THERMOSTAT WITH AN INTEGRAL, MANUAL RESET, HIGH LIMIT CONTROL. FACTORY EQUIPPED WITH A CSA/ASME RATED TEMP. AND PRESSURE RELIEF VALVE. PROVIDE DRAIN PAN WITH INDIRECT DRAIN PIPING DISCHARGING TO APPROVED INTERCEPTOR WITH APPROVED AIR GAP TERMINATION. FIELD VERIFY WITH SITE VOLTAGE PRIOR TO ORDERING.

INSTANTANEOUS WATER HEATER SCHEDULE

UNIT TAG	QTY.	LOCATION	MAKE	MODEL NUMBER	SERVICE	TYPE	INPUT (KW)	TEMP RISE @ 0.4 GPM	DIMENSIONS LxW (INCHES)	ELECTRICAL (V/P/H)	OPERATING WEIGHT(LBS.)	REMARKS
EWH-1	ONE PER LAV	UNDER LAVATORY	CHRONOMITE	SR-20L/240	DOMESTIC HOT WATER	ELECTRIC INSTANTANEOUS WATER HEATER	4.8	82	9-5/8 x 2-3/4	240/1 /60	-	SET TEMPERATURE AT 120°F AND MOUNT UNDERNEATH THE LAVATORY. HIGH POLISH STAINLESS STEEL FINISH. RUGGED STEEL HOUSING, CELCON PLASTIC ELEMENT ASSEMBLY WITH NICHROME COILS. ENSURE IT MEETS ALL CAL-GREEN FAUCET REQUIREMENTS.UL LISTED:E66887 (M).

HOT WATER EXPANSION TANK SCHEDULE

UNIT TAG	QTY.	LOCATION	MAKE	MODEL NUMBER	SERVICE	TYPE	TANK CAPACITY (GAL)	ACCEPTANCE VOLUME (GAL)	DIMENSIONS DIA.xH (INCHES)	SHIPPING WEIGHT(LBS.)	REMARKS
ET-1	1	POOL MECHANICAL ROOM	AMTROL	ST-120V-C	**POOL BUILDING** DOMESTIC HOT WATER SYSTEM EXPANSION TANK	DIAPHRAGM	66	34	24x47-3/4	281	PRE-CHARGED STEEL EXPANSION TANK W/ HEAVY DUTY BUTYL DIAPHRAGM. TANK SHALL BE NSF AND ASME RATED.

THERMOSTATIC MIXING VALVE SCHEDULE

UNIT TAG	QTY.	LOCATION	MAKE	MODEL NUMBER	SERVICE	TYPE	MIN. GPM	MAX. GPM	DESIGNED GPM	PRESSURE DROP (PSI)	OPERATING WEIGHT(LBS.)	REMARKS
TMVA-1	1	POOL MECHANICAL ROOM	LEONARD	TM-LF-RF-DT-STSTL EXP	**POOL BUILDING** DOMESTIC HOT WATER SYSTEM	DUAL THERMOSTATIC HOT WATER MIXING VALVES	1	80	70	-	-	LEAD FREE . SYSTEM SHALL BE MOUNTED IN A STAINLESS STELL CABINET WITH HINGED DOOR AND LOCK.

RECIRCULATING PUMP SCHEDULE

UNIT TAG	QTY.	LOCATION	MAKE	MODEL NUMBER	SERVICE	TYPE	TOTAL GPM	HEAD (FT.)	ELECTRICAL		OPERATING WEIGHT(LBS.)	REMARKS
									HP	VOLT/PH/HZ		
CP-1A & CP-1B	1	POOL MECHANICAL ROOM	BELL & GOSSETT	PLB-30B	**POOL BUILDING** DOMESTIC HOT WATER RETURN - CIRCULATING PUMP	IN-LINE	10	10	0.08	115/1/60	10	COMPLETE WITH AQUASTAT AND AUTOMATIC TIMER.

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CITY OF LOS ANGELES

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BUILDING NO. XXXX
INDEX NO. -
RP 300094

REGISTERED PROFESSIONAL ENGINEER
JOHN GREGORY ROZELUK
No. M34269
12/31/2016
MECHANICAL
STATE OF CALIFORNIA

BID SET SUBMITTAL

CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS

CITY ENGINEER: GARY LEE MOORE, PE, ENV SP
ARCHITECTURAL DIVISION
ARCHITECT: JOHN ROZELUK, PE — LIC. NO. M-34269
DESIGNED BY: MW
DRAWN BY: MW
CHECKED BY: MW
APPROVED BY: Approver
DATE:

VERTICAL CONTROL:
HORIZONTAL CONTROL:

SHEET TITLE: PLUMBING SCHEDULES
PROJECT: RANCHO CIENEGA SPORTS COMPLEX
ADDRESS: 5001 RODEO ROAD LOS ANGELES, CA 90016

WORK ORDER NO. E1907694
PLAN FILE NO.
DRAWING NO. P0.00
SHEET OF SHEETS

PLOTTED: 12/19/2016 1:52 PM

DOMESTIC WATER SYSTEM

PROJECT ADDRESS : 5001 RODEO ROAD LOS ANGELES CA 90016

WATER PRESSURE INFO: **MAXIMUM 124 PSI ; MINIMUM 115 PSI**

WATER PRESSURE INFO. PROVIDED BY : TOM LECHICH, LADWP, PH. NO. **(213) 367-1225**

DATE INFO. PROVIDED -12 /02/2016

POTABLE WATER HYDRAULIC CALCULATIONS

POTABLE WATER DEMAND (ALL BUILDING)	150	GPM
BOILER MAKE UP WATER	10	GPM
TOTAL POTABLE WATER DEMAND	**160**	GPM
DEVELOPED LENGTH OF PIPE (FURTHEREST BUILDING)	500	FT
20% FOR PIPE FITTINGS	100	FT
TOTAL EQUIVALENT LENGTH OF PIPE	600	FT
	P.D. (PSI)	AVAILABLE (PSI)
PRESSURE AVAILABLE AT SITE P.O.C	-	**115**
PRESSURE LOSS THRU (**6" METER**)	10	105
PRESSURE LOSS THRU BACKFLOW PREVENTER (**6" FEBCO LF860**)	12	93
PRESSURE AVAILABLE FOR BUILDING P.O.C. (PRV REGULATES TO 80 PSI)	-	80
PRESSURE LOSS THRU. PRESSURE REDUCING VALVE(**6" WILKINS ZW209**)	3	77
BLDG. STATIC LOSS (20 FTX0.433 = 8.66 PSI)	8.66	68.34
PRESSURE REQUIRED AT MOST REMOTE FIXTURE(10 PSI (FT)/25 PSI (FV))	30	38.34
PRESSURE AVAILABLE AT SYSTEM		33.34
MAXIMUM ALLOWABLE PIPE FRICTION LOSS = (38.34 PSI/600 FT) x 100 FT		**6.39 PSI/100 FT.**

PIPE SIZING TABLE

PIPE MATERIAL : COPPER TYPE L

FRICTION LOSS: 6.0 psi/100ft

DOMESTIC COLD WATER

SIZE (IN.)	GPM	VEL.	FU	FV
3/4	6	4.5	7	-
1	13	5.4	18	-
1-1/4	22	6.0	34	-
1-1/2	32	6.0	58	15
2	56	6.0	155	63
2-1/2	87	6.0	305	176
3	124	6.0	479	365
4	218	6.0	1018	1009

DOMESTIC HOT WATER

SIZE (IN.)	GPM	VEL.	FU	FV
3/4	6	4.5	7	-
1	12	5.0	16	-
1-1/4	18	5.0	26	-
1-1/2	26	5.0	44	-
2	46	5.0	111	-
2-1/2	72	5.0	236	-
3	103	5.0	380	-
4	181	5.0	809	-

NOTES:
1. MAXIMUM DOMESTIC COLD WATER PIPE VELOCITY SHALL BE 6 ft/sec
2. MAXIMUM DOMESTIC HOT WATER PIPE VELOCITY SHALL BE 5 ft/sec
3. PRESSURE REDUCING VALVE INSTALLED TO REGULATE INCOMING PRESSURE TO 80 PSI

BASELINE WATER USE CALCULATION TABLE

FIXTURE TYPE	FLOW RATE (GPM)		DURATION		DAILY USES		FULL TIME OCCUPANTS		GALLONS PER DAY
SHOWERHEADS	2.0	X	5 MIN.	X	1	X	612	=	6,120
LAVATORY FAUCETS NONRESIDENTIAL	0.5	X	0.5 MIN.	X	3	X	1224	=	918
KITCHEN FAUCETS	1.8	X	4 MIN.	X	1	X	60	=	432
FLUSHOMETER VALVE WATER CLOSETS	1.28	X	1 FLUSH	X	1 MALE 3 FEMALE	X	612	=	783.36
URINALS	0.5	X	1 FLUSH	X	2 MALE	X	612	=	612
TOTAL DAILY BASELINE WATER USE (BWU)								=	11,215.44

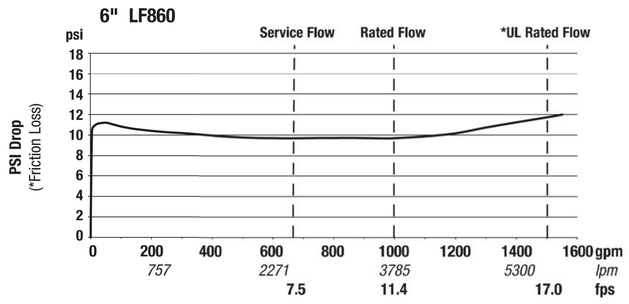
8,251.44 (BWU) X .80 = 6,601.15 ALLOWABLE WATER USE

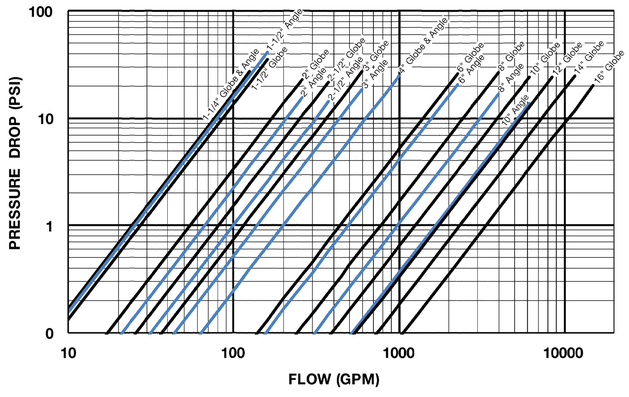
20 PERCENT REDUCTION WATER USE CALCULATION TABLE

FIXTURE TYPE	FLOW RATE (GPM)		DURATION		DAILY USES		FULL TIME OCCUPANTS		GALLONS PER DAY
SHOWERHEADS	1.5	X	5 MIN.	X	0.1	X	612	=	4,590
LAVATORY FAUCETS NONRESIDENTIAL	0.35	X	0.5 MIN.	X	3	X	1224	=	642.6
KITCHEN FAUCETS	1.5	X	4 MIN.	X	1	X	60	=	360
FLUSHOMETER VALVE WATER CLOSETS	1.28	X	1 FLUSH	X	1 MALE 3 FEMALE	X	612	=	783.36
URINALS	0.125	X	1 FLUSH	X	2 MALE	X	612	=	153
TOTAL DAILY BASELINE WATER USE (BWU)								=	8,879.04

TOTAL SAVINGS IN POTABLE WATER: 1 - (8,879.04 / 11,215.44) * 100 = 20.83%

NOTES:
1. *MAX. FLOW RATES OBTAINED FROM 2014 LOS ANGELES GREEN BUILDING CODE, REVISION 06-06-2016*
2. *DURATIONS AND DAILY USES OBTAINED FROM 2013 CALIFORNIA GREEN BUILDING, TABLE 5.303.2.2.*
3. *SEE SHEET P0.03 FOR COMPLIANCE REFERENCE DOCUMENTS*





REDUCED PRESSURE BACKFLOW PREVENTER (RPBFP-1)

UNIT TAG	LOCATION	MAKE	MODEL NUMBER	SERVICE	TYPE	SIZE (INCHES)	FLOW (GPM)	PSI LOSS AT 800 GPM	DIMENSIONS (INCHES) LENGTH	DIMENSIONS (INCHES) WIDTH	REMARKS
RPBFP-01	SEE CIVIL DWG	FEBCO	LF860	DOMESTIC COLD WATER	REDUCED PRESSURE PRINCIPLE	6	800	10	56	16 - 1/2	LEAD FREE. ASSE 1013 LISTED. UL CLASSIFIED. FM APPROVED. NSF/ANSI CERTIFIED.

PRESSURE REDUCING VALVE (PRV-1)

UNIT TAG	LOCATION	MAKE	MODEL NUMBER	SERVICE	TYPE	SIZE (INCHES)	FLOW (GPM)	PSI LOSS AT 800 GPM	DIMENSIONS (INCHES) LENGTH	DIMENSIONS (INCHES) HEIGHT	REMARKS
PRV-01	SEE CIVIL DWG	WILKINS	ZW209	DOMESTIC COLD WATER	DIRECT ACTING INTERGRAL BY-PASS DESIGN	6	800	3	20	19 - 1/2	LEAD FREE. NSF/ANSI 61 CERTIFIED.

TABLE A5.303.2.2
WATER USE BASELINE[3]

FIXTURE TYPE	BASELINE FLOW RATE	DURATION	DAILY USES	OCCUPANTS[2]
Showerheads	2.0 gpm @ 80 psi	5 min.	1	X[2a]
Lavatory faucets nonresidential	0.5 gpm @ 60 psi	.25 min.	3	X
Kitchen faucets	**1.8** gpm @ 60 psi	4 min.	1	X[2b]
Replacement aerators	**2** gpm @ 60 psi			X
Wash fountains	**1.8 gpm/20** [rim space (in.) @ 60 psi]			X
Metering faucets	**0.20** gallons/cycle	.25 min.	3	X
Metering faucets for wash fountains	**0.20 gpm/20** [rim space (in.) @ 60 psi]	.25 min.	1 male[1] 3 female	X
Gravity tank type water closets	1.28 gallons/flush	1 flush	1 male[1] 3 female	X
Flushometer tank water closets	1.28 gallons/flush	1 flush	1 male[1] 3 female	X
Flushometer valve water closets	1.28 gallons/flush	1 flush	1 male[1] 3 female	X
Electromechanical hydraulic water closets	1.28 gallons/flush	1 flush	1 male[1] 3 female	X
Urinals	0.5 gallons/flush	1 flush	2 male	X

1. The daily use number shall be increased to three if urinals are not installed in the room.
2. Refer to Table A, Chapter 4, 2013 *California Plumbing Code*, for occupant load factors.
   a. Shower use by occupants depends on the type of use of a building or portion of a building, e.g., total occupant load for a health club, but only a fraction of the occupants in an office building as determined by the anticipated number of users.
   b. Kitchen faucet use is determined by the occupant load of the area served by the fixture.
3. Use worksheet WS-1 to calculate baseline water use.

LA DBS DEPARTMENT OF BUILDING AND SAFETY

PLUMBING FIXTURE FLOW RATES
Non-Residential Occupancies
2014 Los Angeles Green Building Code
(Incorporate this form into the plans)

FORM GRN 17

SECTION 5.303.2
WATER REDUCTION FIXTURE FLOW RATES

FIXTURE TYPE	MAXIMUM ALLOWABLE FLOW RATE
Showerheads	1.8 gpm @ 80 psi
Lavatory faucets, residential	1.2 gpm @ 60 psi[1,3]
Lavatory Faucets, nonresidential	0.4 gpm @ 60 psi[1,3]
Kitchen faucets	1.5 gpm @ 60 psi[2,4,5]
Wash fountains	1.8 gpm for every 20 in. of rim space @60 psi
Metering faucets	0.2 gallons/cycle
Metering faucets for wash fountains	0.2 gpm for every 20 in. of rim space @ 60 psi
Gravity tank type water closets	1.28 gallons/flush[6]
Flushometer tank water closets	1.28 gallons/flush[6]
Flushometer valve water closets	1.28 gallons/flush[6]
Urinals	0.125 gallons/flush
Clothes Washers	ENERGY-STAR certified
Dishwashers	ENERGY-STAR certified

[1] Lavatory faucets shall not have a flow rate less than 0.8 gpm at 20 psi.
[2] Kitchen faucets may temporarily increase flow above the maximum rate, but not above 2.2gpm @ 60psi and must default to a maximum flow rate of 1.8 gpm @ 60psi.
[3] Where complying faucets are unavailable, aerators or other means may be used to achieve reduction.
[4] Kitchen faucets with a maximum 1.8 gpm flow rate may be installed in buildings that have water closets with a maximum flush rate of 1.06 gallons/flush installed throughout
[5] This requirement does not apply to faucets in commercial kitchens.
[6] Includes single and dual flush water closets with an effective flush of 1.28 gallons or less.
Single Flush Toilets - The effective flush volume shall not exceed 1.28 gallons (4.8 liters). The effective flush volume is the average flush volume when tested in accordance with ASME A112.19.233.2.
Dual Flush Toilets - The effective flush volume shall not exceed 1.28 gallons (4.8 liters). The effective flush volume is defined as the composite, average flush volume of two reduced flushes and one full flush. Flush volumes will be tested in accordance with ASME A112.19.2 and ASME A112.19.14.

Revised 06-06-2016 **Page 1 of 1** www.ladbs.org

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CITY OF LOS ANGELES ENGINEERING

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2		02/15/16	MW
3		03/08/16	MW
4		07/22/16	MW
5		12/02/16	MW

BUILDING NO. XX/XX

INDEX NO. - RP 300094

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JOHN GREGORY ROZELUK
No. M34269
12/12/2016
MECHANICAL
STATE OF CALIFORNIA

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CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS

GARY LEE MOORE, PE, ENV SP CITY ENGINEER
DATE:
ARCHITECT: JOHN ROZELUK, PE LIC. NO. M-34269
ARCHITECTURAL DIVISION
DESIGNED BY: MW
DRAWN BY: MW
CHECKED BY: MW
APPROVED BY: Approver

VERTICAL CONTROL:
HORIZONTAL CONTROL:

SHEET TITLE: PLUMBING GENERAL NOTE&SCHEDULES

PROJECT: RANCHO CIENEGA SPORTS COMPLEX

ADDRESS: 5001 RODEO ROAD LOS ANGELES, CA 90016

WORK ORDER NO. E1907694

PLAN FILE NO.

DRAWING NO. P0.01

SHEET OF SHEETS

BUREAU OF ENGINEERING OFFICIAL RECORD

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TEMPLATE SHEET REVISION DATE: 08/2014
REVISION DATE: 12/19/2016 1:51 PM FILE: O:\033398 RANCHO CIENEGA SPORTS COMPLEX\BIM\F65 MEP\CAD\SHEET\P0-0.01.DWG

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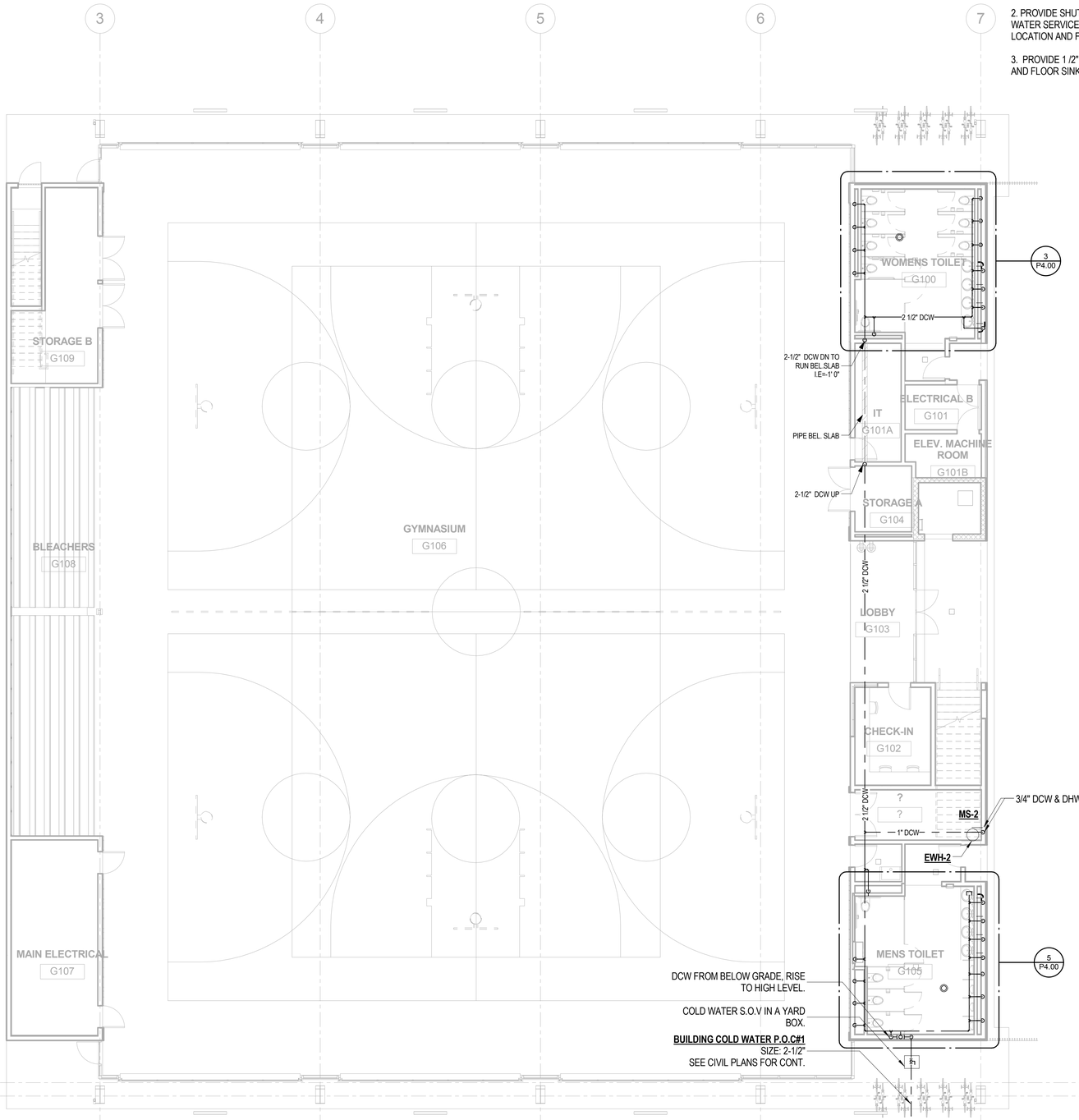
TEMPLATE SHEET REVISION DATE: 08/2014
REVISION DATE: 7/21/2015 5:02 PM FILE: Z:\14-018 RANCHO CIENEGA SPORTS COMPLEX\DRAWINGS\CAD\BLOCKS\TITLEBLOCKS\LA_BOE_TTLB_RCSC_DESIGN DEVELOPMENT.DWG

GENERAL NOTES:

1. PROVIDE WATER HAMMER ARRESTORS TO COLD WATER BRANCH PIPES SERVING FIXTURES WITH QUICK CLOSING VALVES SUCH AS BUT NOT LIMITED TO FLUSH VALVES TYPE WATER CLOSET AND URINALS. WATER HAMMER ARRESTORS SHALL BE PLACED NO MORE THAN 20' APART.

2. PROVIDE SHUT OFF VALVES AND ACCESS PANEL UPSTREAM OF WATER SERVICES SUPPLYING THE RESTROOM .ACCESS PANEL LOCATION AND FINISH SHALL BE AS PER ARCHITECT.

3. PROVIDE 1 /2" COLD WATER, TRAP PRIMERS' PIPES TO FLOOR DRAIN AND FLOOR SINK.



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CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS

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ENGINEERING
CITY OF LOS ANGELES

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12/31/2016
MECHANICAL
STATE OF CALIFORNIA

GARY LEE MOORE, PE, ENV SP CITY ENGINEER

ARCHITECTURAL DIVISION

ENGINEER: JOHN ROZELUK, PE LIC. NO. M-34269 DATE:

DESIGNED BY: MW

DRAWN BY: MW

CHECKED BY: MW

APPROVED BY: Approver

CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS

VERTICAL CONTROL:

HORIZONTAL CONTROL:

SHEET TITLE: GYMNASIUM & ANCILLARY BUILDINGS PLUMBING SERVICES GROUND FLOOR PLAN

PROJECT: RANCHO CIENEGA SPORTS COMPLEX

ADDRESS: 5001 RODEO ROAD LOS ANGELES, CA 90016

WORK ORDER NO. E1907694

PLAN FILE NO.

DRAWING NO. P1.01

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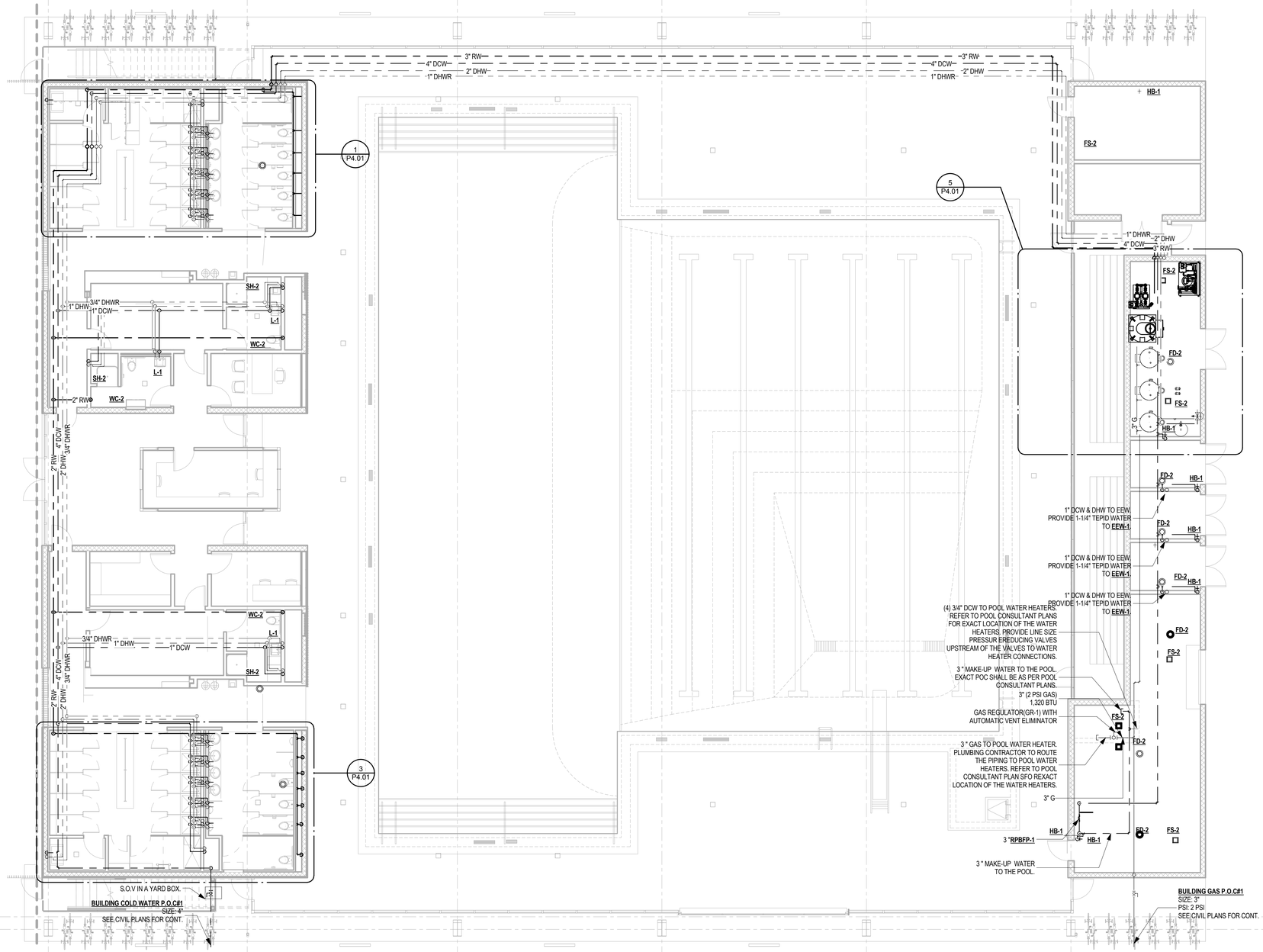
GENERAL NOTES:

1. PROVIDE WATER HAMMER ARRESTORS TO COLD WATER BRANCH PIPES SERVING FIXTURES WITH QUICK CLOSING VALVES SUCH AS BUT NOT LIMITED TO FLUSH VALVES TYPE WATER CLOSET AND URINALS. WATER HAMMER ARRESTORS SHALL BE PLACED NO MORE THAN 20' APART.

2. PROVIDE SHUT OFF VALVES AND ACCESS PANEL UPSTREAM OF WATER SERVICES SUPPLYING THE RESTROOM .ACCESS PANEL LOCATION AND FINISH SHALL BE AS PER ARCHITECT.

3. PROVIDE 1 /2" COLD WATER, TRAP PRIMERS' PIPES TO FLOOR DRAIN AND FLOOR SINK.



1 PLUMBING SERVICES - GROUND FLOOR - POOL HALL
SCALE: 1/8" = 1'-0"

2 PLUMBING SERVICES - GROUND FLOOR - TENNIS
1/8" = 1'-0"

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BUILDING NO. XX/XX
INDEX NO. - RP 300094

NO.	REVISIONS:	DATE:	BY:

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JOHN GREGORY ROZELUK
No. M34269
MECHANICAL
STATE OF CALIFORNIA
12/31/2016

CITY ENGINEER: GARY LEE MOORE, PE, ENV SP
DATE:
ARCHITECTURAL DIVISION
ENGINEER: JOHN ROZELUK, PE LIC. NO. M-34269
DESIGNED BY: MW
DRAWN BY: MW
CHECKED BY: MW
APPROVED BY: Approver

SHEET TITLE: POOL BUILDING & TENNIS BUILDING PLUMBING SERVICES GROUND FLOOR PLAN
PROJECT: RANCHO CIENEGA SPORTS COMPLEX
ADDRESS: 5001 RODEO ROAD LOS ANGELES, CA 90016

VERTICAL CONTROL:
HORIZONTAL CONTROL:

WORK ORDER NO. E1907694
PLAN FILE NO.
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REVISION DATES (DESIGN STAGE ONLY)

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1 PLUMBING SERVICES - MEZZANINE - POOL HALL
SCALE: 1/8" = 1'-0"

2 PLUMBING SERVICES - MEZZANINE - TENNIS
1/8" = 1'-0"

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EXP. 12/31/2016
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CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS

VERTICAL CONTROL:
HORIZONTAL CONTROL:

SHEET TITLE: POOL BUILDING & TENNIS BUILDING PLUMBING SERVICES MEZZANINE PLAN

PROJECT: RANCHO CIENEGA SPORTS COMPLEX

ADDRESS: 5001 RODEO ROAD
LOS ANGELES, CA 90016

GARY LEE MOORE, PE, ENV SP CITY ENGINEER
ARCHITECTURAL DIVISION

ENGINEER: JOHN ROZELUK, PE LIC. NO. M-34269
DESIGNED BY: MW DATE:
DRAWN BY: MW
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WORK ORDER NO. E1907694
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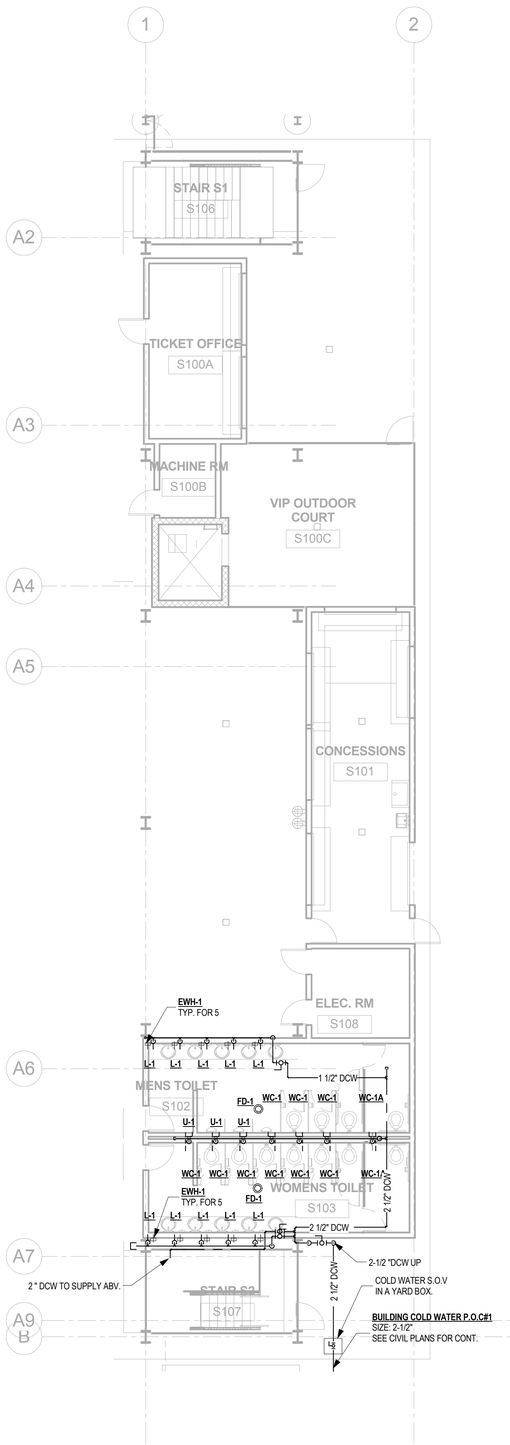
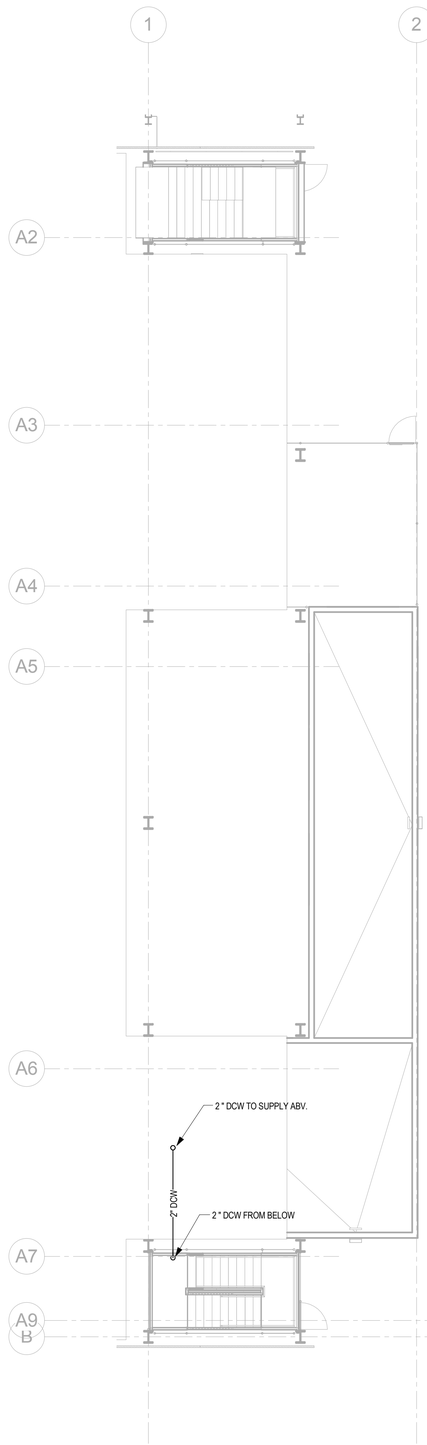


1 PLUMBING SERVICES - GROUND FLOOR - STADIUM
1/8" = 1'-0"



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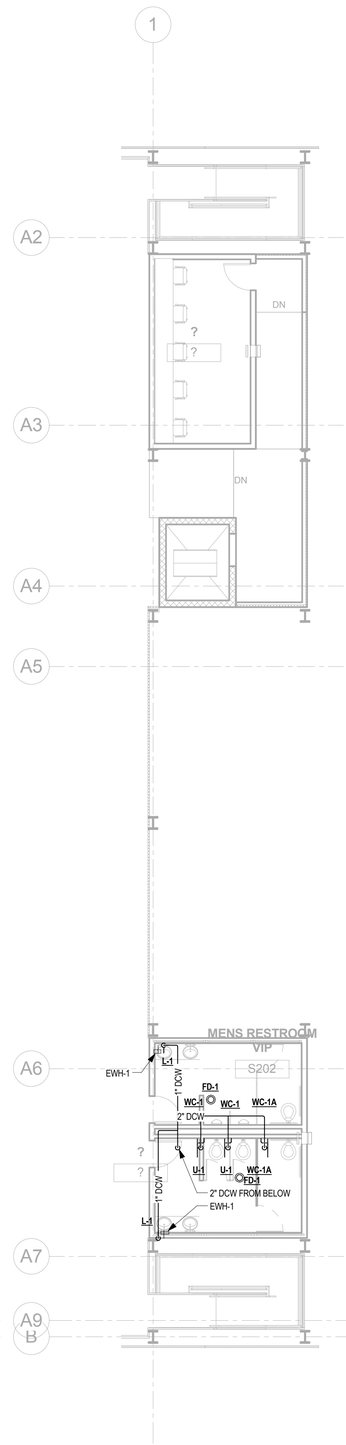

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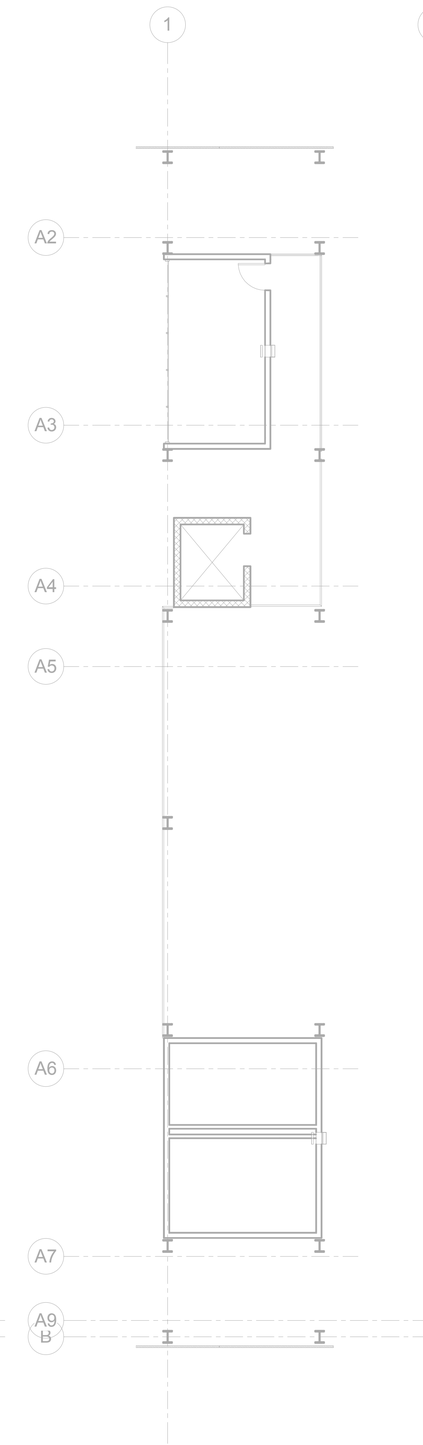

4 PLUMBING SERVICES - ROOF PLAN- STADIUM
1/8" = 1'-0"

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CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS

VERTICAL CONTROL:
HORIZONTAL CONTROL:

SHEET TITLE: STADIUM BUILDING PLUMBING SERVICES

PROJECT: RANCHO CIENEGA SPORTS COMPLEX

ADDRESS: 5001 RODEO ROAD
LOS ANGELES, CA 90016

WORK ORDER NO. E1907694
PLAN FILE NO.
DRAWING NO. P1.04
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BUILDING NO. XX/XX
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REGISTERED PROFESSIONAL ENGINEER
JOHN GREGORY ROZELUK
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MECHANICAL
STATE OF CALIFORNIA
04/30/2016

CITY ENGINEER
GARY LEE MOORE, PE, ENV SP
ARCHITECTURAL DIVISION
DATE:

ENGINEER: JOHN ROZELUK, PE
LIC. NO. M-34269
DESIGNED BY: MW
DRAWN BY: MW
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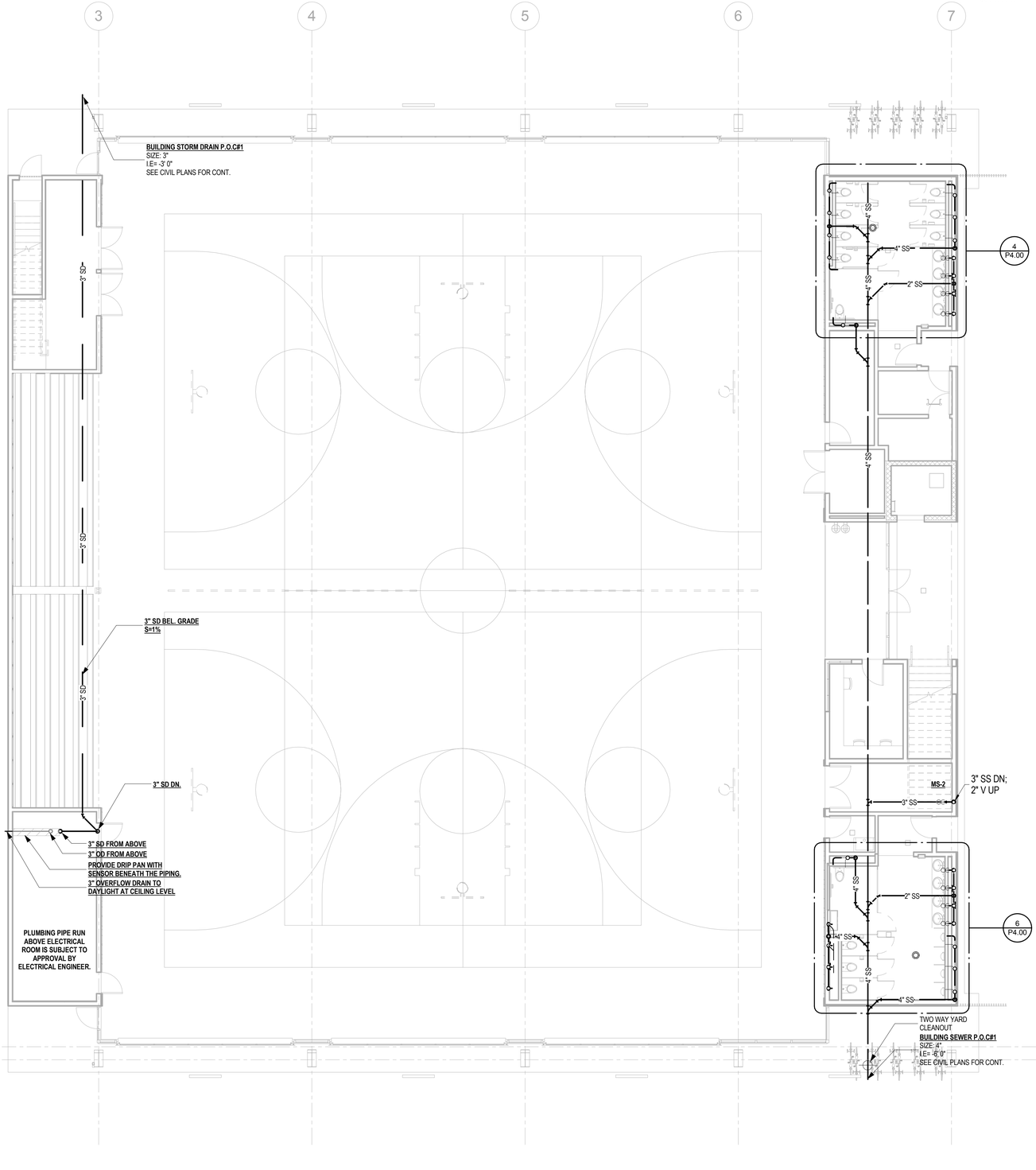
APPROVED BY: Approver

REVISION DATES (DESIGN STAGE ONLY)

GENERAL NOTES:

1. PROVIDE CONDENSATE PIPE FROM HVAC FAN COIL UNITS. REFER TO MECHANICAL PLANS FOR EXACT LOCATION OF FAN COIL UNITS. CONDENSATE DRAIN TO BE TERMINATED TO THE NEAREST FLOOR SINK, FLOOR DRAIN OR TO LAVATORY TAILPIECE BY GRAVITY. CONDENSATE PUMPS TO BE PROVIDED SHOULD IT NOT BE FEASIBLE TO DRAIN BY GRAVITY.



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EXP. 06/30/2016
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STATE OF CALIFORNIA

BID SET SUBMITTAL

CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS

GARY LEE MOORE, PE, ENV SP CITY ENGINEER

ARCHITECTURAL DIVISION

ENGINEER: JOHN ROZELUK, PE LIC. NO. M-34269 DATE:

DESIGNED BY: MW

DRAWN BY: MW

CHECKED BY: MW

APPROVED BY: Approver

SHEET TITLE: GYMNASIUM & ANCILLARY BUILDINGS
PLUMBING SANITARY GROUND FLOOR PLAN

PROJECT: RANCHO CIENEGA SPORTS COMPLEX

ADDRESS: 5001 RODEO ROAD
LOS ANGELES, CA 90016

VERTICAL CONTROL:

HORIZONTAL CONTROL:

WORK ORDER NO. E1907694

PLAN FILE NO.

DRAWING NO. P2.01

SHEET OF SHEETS

PLOTTED: ----

BUREAU OF ENGINEERING
OFFICIAL RECORD

N

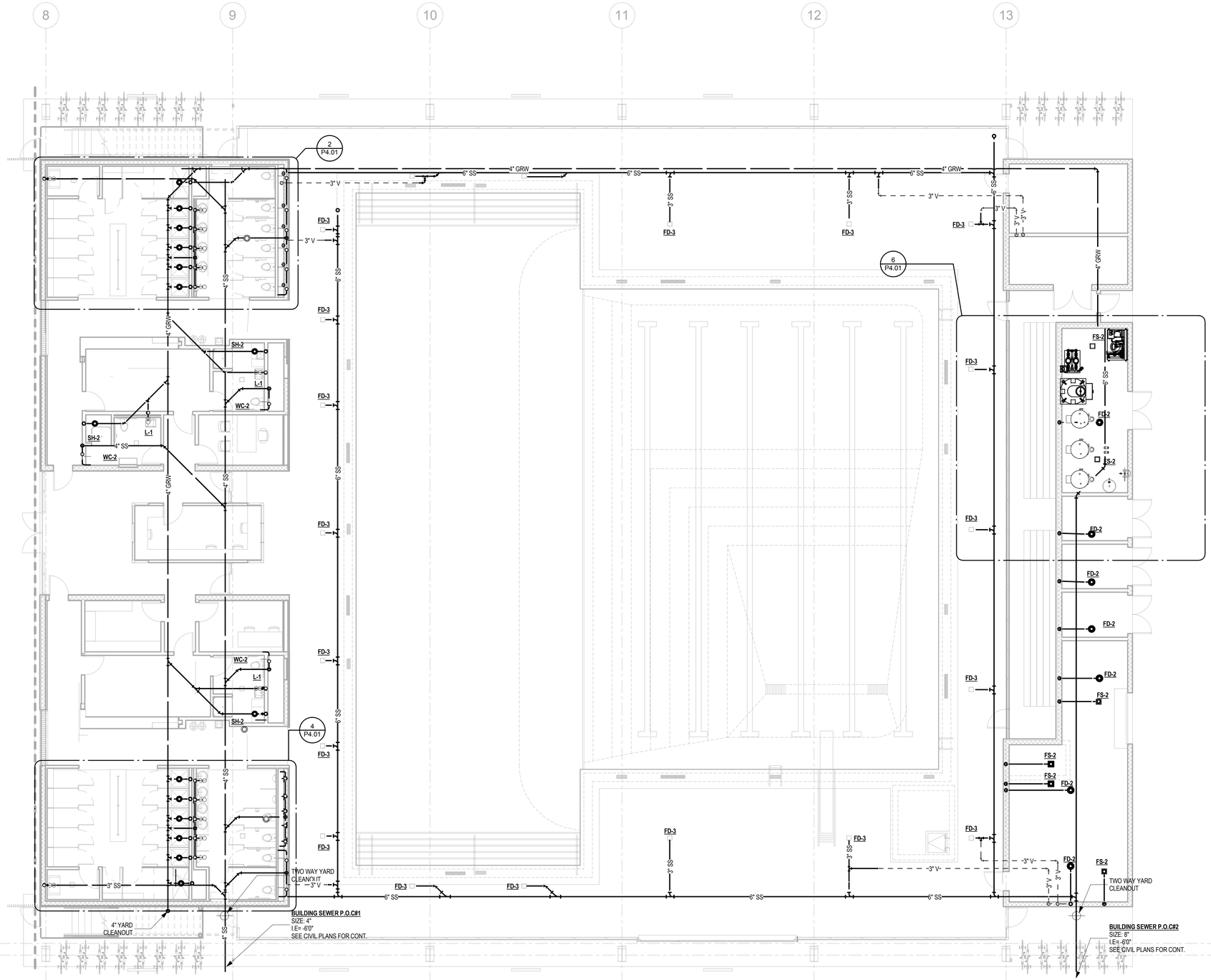
REVISION DATES (DESIGN STAGE ONLY)

TEMPLATE SHEET REVISION DATE: 08/2014
REVISION DATE: 7/21/2015 5:02 PM FILE: Z:\14-018 RANCHO CIENEGA SPORTS COMPLEX\DRAWINGS\CAD\BLOCKS\TITLEBLOCKS\LA_BOE_TTLB_RCSC_DESIGN DEVELOPMENT.DWG

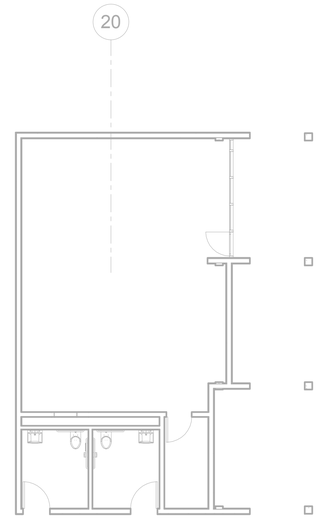
THE CITY OF LOS ANGELES OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF ELECTRONIC COPIES OF THIS PLAN SHEET.

GENERAL NOTES:

1. PROVIDE CONDENSATE PIPE FROM HVAC FAN COIL UNITS. REFER TO MECHANICAL PLANS FOR EXACT LOCATION OF FAN COIL UNITS. CONDENSATE DRAIN TO BE TERMINATED TO THE NEAREST FLOOR SINK, FLOOR DRAIN OR TO LAVATORY TAILPIECE BY GRAVITY. CONDENSATE PUMPS TO BE PROVIDED SHOULD IT NOT BE FEASIBLE TO DRAIN BY GRAVITY.



1 PLUMBING SANITARY - GROUND FLOOR - POOL HALL
SCALE: 1/8" = 1'-0"



2 PLUMBING SANITARY - GROUND FLOOR - TENNIS
1/8" = 1'-0"

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REVISION DATES (DESIGN STAGE ONLY)

BUREAU OF ENGINEERING
CITY OF LOS ANGELES
ENGINEERING

NO. | REVISIONS: | DATE: | BY:

BUILDING NO. XX/XX
INDEX NO. - RP 300094

REGISTERED PROFESSIONAL ENGINEER
JOHN GREGORY ROZELUK
No. M34269
MECHANICAL
STATE OF CALIFORNIA
12/31/2016

BID SET SUBMITTAL

CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS

GARY LEE MOORE, PE, ENV SP CITY ENGINEER
ARCHITECTURAL DIVISION

ENGINEER: JOHN ROZELUK, PE LIC. NO. M-34269
DESIGNED BY: MW
DRAWN BY: MW
CHECKED BY: MW
APPROVED BY: Approver

VERTICAL CONTROL:
HORIZONTAL CONTROL:

SHEET TITLE: POOL BUILDING & TENNIS BUILDING PLUMBING SANITARY GROUND FLOOR PLAN

PROJECT: RANCHO CIENEGA SPORTS COMPLEX

ADDRESS: 5001 RODEO ROAD LOS ANGELES, CA 90016

BUREAU OF ENGINEERING OFFICIAL RECORD

WORK ORDER NO. E1907694
PLAN FILE NO.
DRAWING NO. P2.02
SHEET OF SHEETS

PLOTTED: ----

TEMPLATE SHEET REVISION DATE: 08/2014
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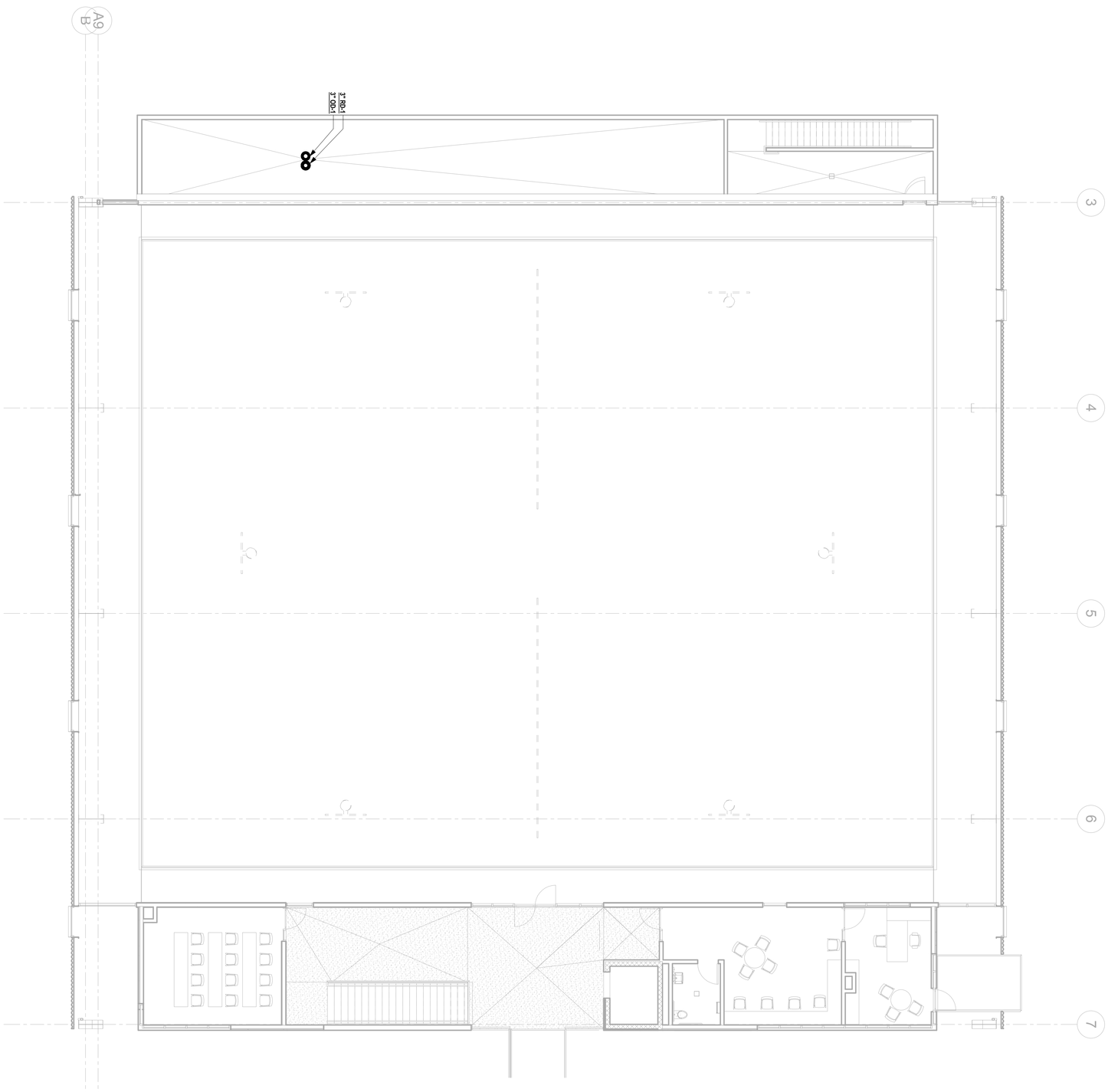

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CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS BUREAU OF ENGINEERING

SHEET	P2.02A
OF SHEETS	
DRAWING NO.	
PLAN FILE NO.	
WORK ORDER NO.	E1907694

VERTICAL CONTROL:
HORIZONTAL CONTROL:

SHEET TITLE: GYMNASIUM & ANCILLARY BUILDINGS PLUMBING SANITARY MEZZANINE PLAN

PROJECT: RANCHO CIENEGA SPORTS COMPLEX

ADDRESS: 5001 RODEO ROAD LOS ANGELES, CA 90016

GARY LEE MOORE, PE, ENV SP CITY ENGINEER

ARCHITECTURAL DIVISION	DATE:
ENGINEER: JOHN ROZELUK, PE LIC. NO. M-34269	
DESIGNED BY: MW	
DRAWN BY: MW	
CHECKED BY: MW	
APPROVED BY: Approver	

REGISTERED PROFESSIONAL ENGINEER JOHN GREGORY ROZELUK M-34269 CIVIL 6/30/2016 STATE OF CALIFORNIA

NO.	REVISIONS:	DATE:	BY:

INDEX NO. - RP 300094

BUILDING NO. XX/XX

ENGINEERING
CITY OF LOS ANGELES

1 PLUMBING SANITARY - MEZZANINE - POOL HALL
SCALE: 1/8" = 1'-0"

2 PLUMBING SANITARY - MEZZANINE - TENNIS
1/8" = 1'-0"

THE CITY OF LOS ANGELES OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF ELECTRONIC COPIES OF THIS PLAN SHEET.

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(DESIGN STAGE ONLY)

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CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS

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ENGINEERING
CITY OF LOS ANGELES

NO.	REVISIONS:	DATE:	BY:

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XX/XX

INDEX NO. -
RP 300094

REGISTERED PROFESSIONAL ENGINEER
JOHN GREGORY ROZELUK
No. M34269
MECHANICAL
STATE OF CALIFORNIA
12/31/2016

BUREAU OF ENGINEERING
OFFICIAL RECORD

GARY LEE MOORE, PE, ENV SP CITY ENGINEER

ARCHITECTURAL DIVISION

ENGINEER: JOHN ROZELUK, PE LIC. NO. M-34269
DESIGNED BY: MW
DRAWN BY: MW
CHECKED BY: MW
APPROVED BY: Approver

VERTICAL CONTROL:
HORIZONTAL CONTROL:

SHEET TITLE: POOL BUILDING & TENNIS BUILDING PLUMBING SANITARY MEZZANINE PLAN

PROJECT: RANCHO CIENEGA SPORTS COMPLEX

ADDRESS: 5001 RODEO ROAD
LOS ANGELES, CA 90016

WORK ORDER NO.
E1907694

PLAN FILE NO.

DRAWING NO.
P2.03

SHEET OF SHEETS

PLOTTED: ---

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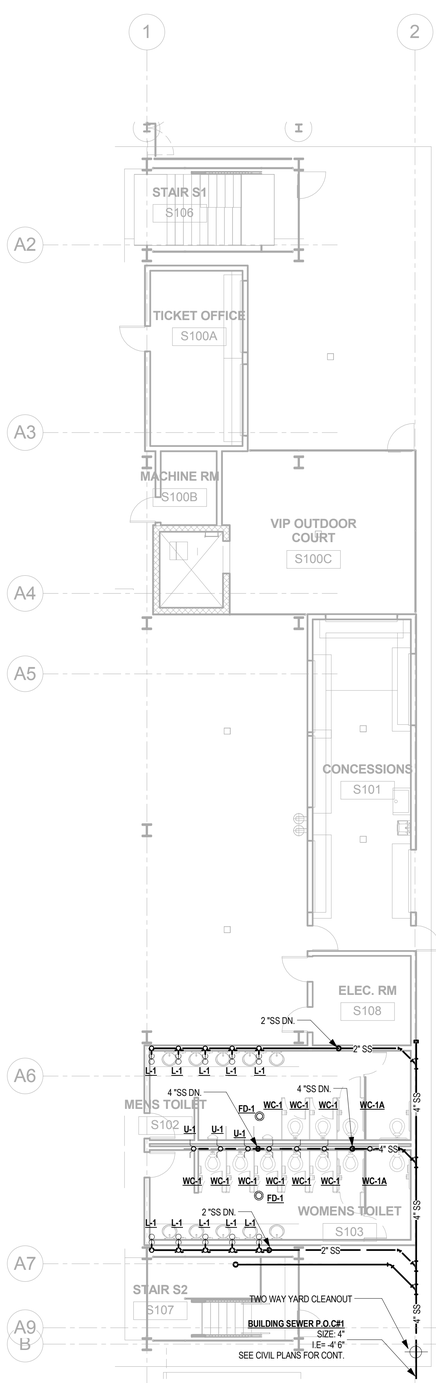
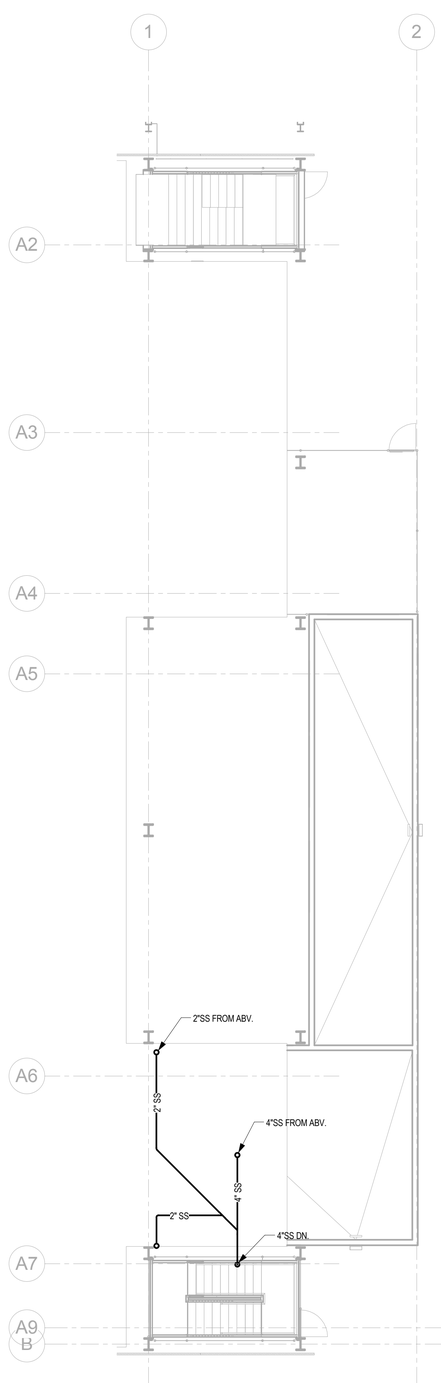
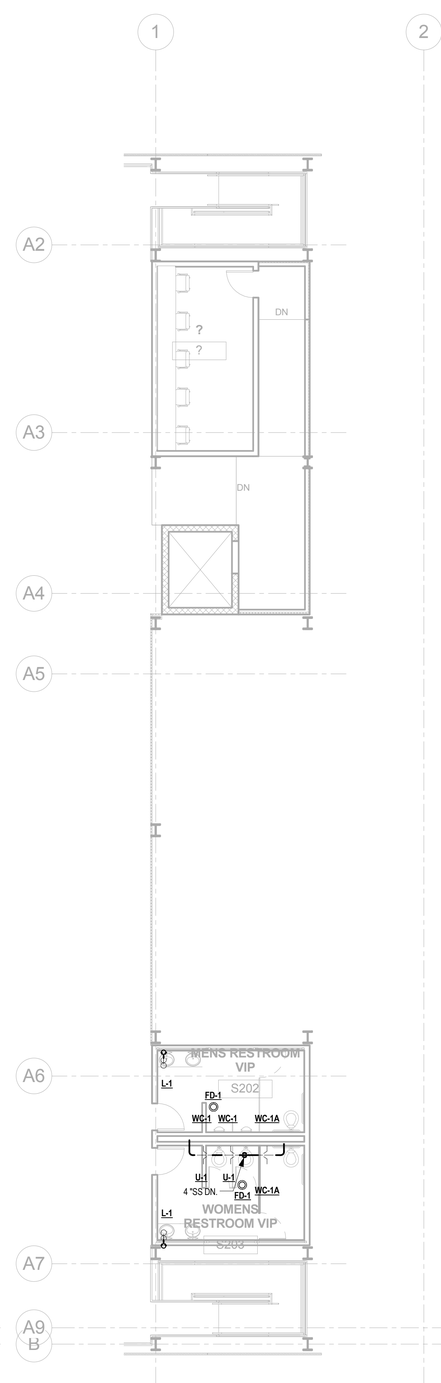
REVISION DATES (DESIGN STAGE ONLY)



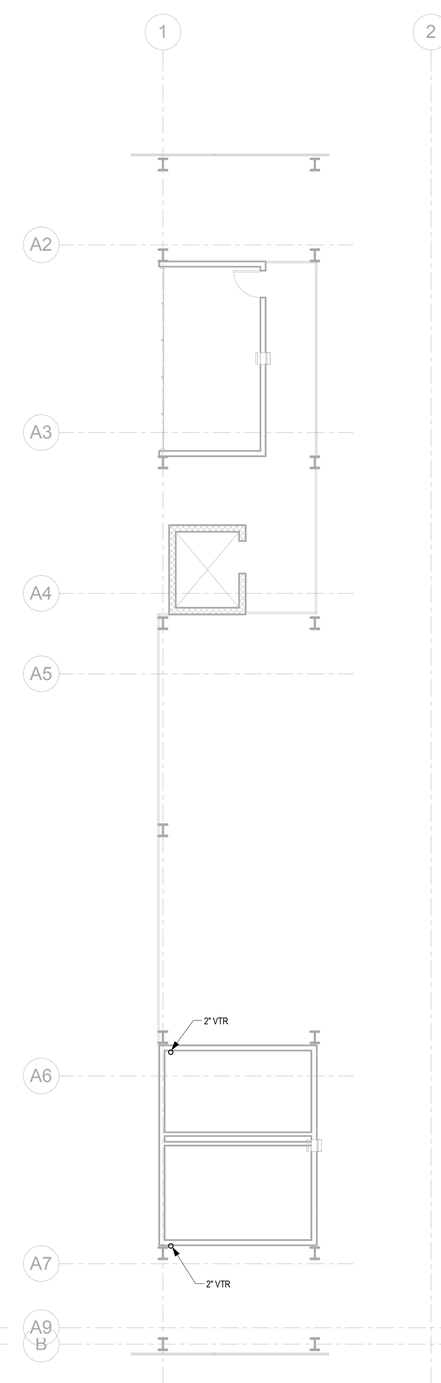
1 PLUMBING SANITARY - GROUND FLOOR - STADIUM
1/8" = 1'-0"



2 PLUMBING SANITARY - MEZZANINE - STADIUM
1/8" = 1'-0"



3 PLUMBING SANITARY - OVERLOOK PLAN - STADIUM
1/8" = 1'-0"



4 PLUMBING SANITARY - ROOF PLAN- STADIUM
1/8" = 1'-0"

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INDEX NO. - RP 300094

REGISTERED PROFESSIONAL ENGINEER
JOHN GREGORY ROZELUK
No. M34269
12/31/2016
MECHANICAL
STATE OF CALIFORNIA

CITY ENGINEER
GARY LEE MOORE, PE, ENV SP
ARCHITECTURAL DIVISION
DATE:

ENGINEER: JOHN ROZELUK, PE LIC. NO. M-34269
DESIGNED BY: MW
DRAWN BY: MW
CHECKED BY: MW
APPROVED BY: Approver

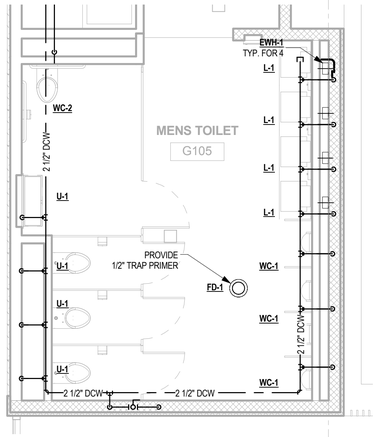
VERTICAL CONTROL:
HORIZONTAL CONTROL:

SHEET TITLE: STADIUM BUILDING SANITARY

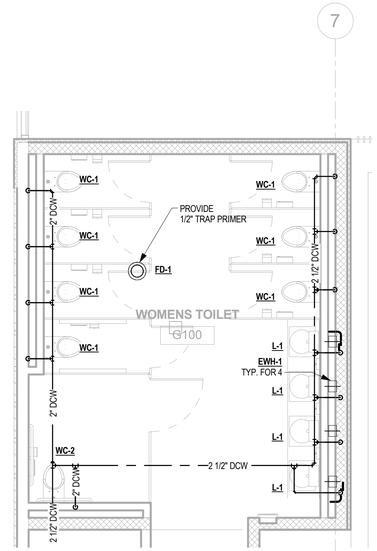
PROJECT: RANCHO CIENEGA SPORTS COMPLEX
ADDRESS: 5001 RODEO ROAD
LOS ANGELES, CA 90016

WORK ORDER NO. E1907694
PLAN FILE NO.
DRAWING NO. P2.04
SHEET OF SHEETS

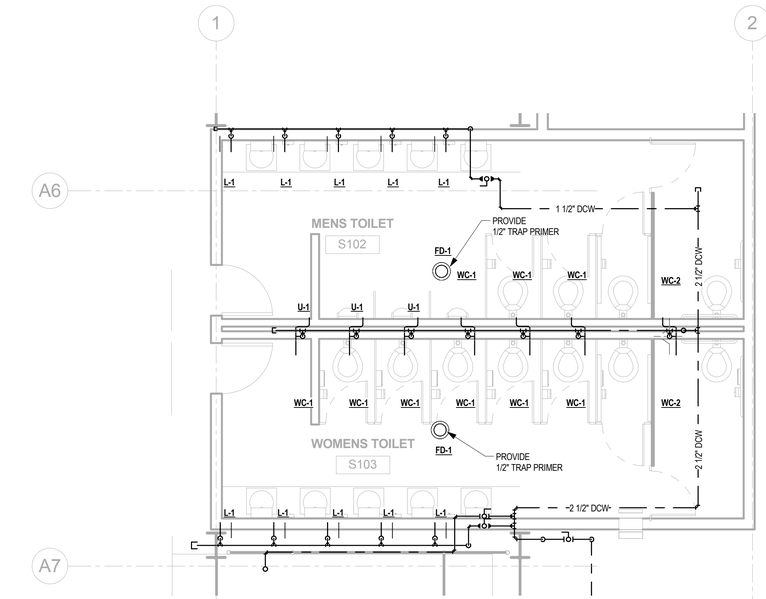
PLOTTED: ----



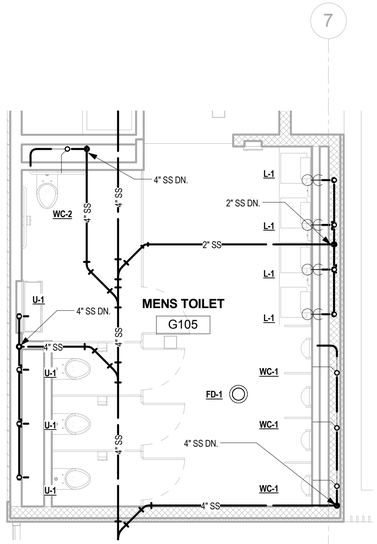
5 ENLARGED PLUMBING COLD & HOT WATER LAYOUT - GYMNASIUM MEN'S RESTROOMS
1/4" = 1'-0"



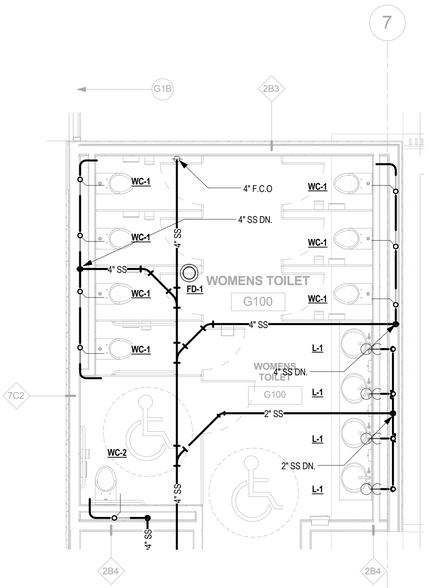
3 ENLARGED PLUMBING COLD & HOT WATER LAYOUT - GYMNASIUM WOMEN'S RESTROOMS
1/4" = 1'-0"



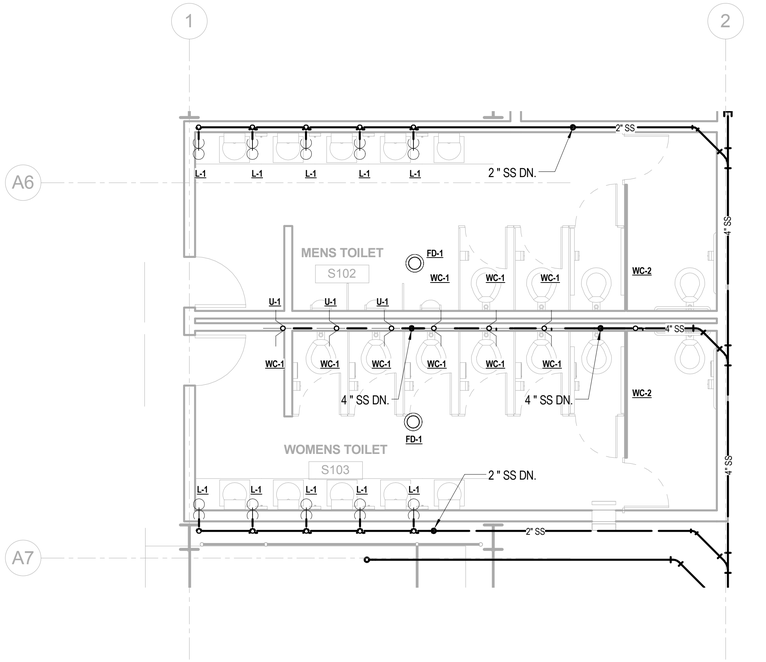
1 ENLARGED PLUMBING COLD & HOT WATER LAYOUT - STADIUM RESTROOMS
1/4" = 1'-0"



6 ENLARGED PLUMBING WASTE & VENT LAYOUT - GYMNASIUM MEN'S RESTROOMS
1/4" = 1'-0"



4 ENLARGED PLUMBING WASTE & VENT LAYOUT - GYMNASIUM WOMEN'S RESTROOMS
1/4" = 1'-0"



2 ENLARGED PLUMBING WASTE & VENT LAYOUT - STADIUM RESTROOMS
1/4" = 1'-0"

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REVISION DATES (DESIGN STAGE ONLY)

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CITY OF LOS ANGELES
ENGINEERING

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BUILDING NO. XX/XX
INDEX NO. - RP 300094

REGISTERED PROFESSIONAL ENGINEER
JOHN GREGORY ROZELUK
No. M34269
12/31/2016
MECHANICAL
STATE OF CALIFORNIA

BID SET SUBMITTAL

CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS

GARY LEE MOORE, PE, ENV SP CITY ENGINEER

ARCHITECTURAL DIVISION

ENGINEER: JOHN ROZELUK, PE LIC. NO. M-34269

DESIGNED BY: MW

DRAWN BY: MW

CHECKED BY: MW

APPROVED BY: Approver

VERTICAL CONTROL:

HORIZONTAL CONTROL:

SHEET TITLE: PLUMBING ENLARGED PLAN

PROJECT: RANCHO CIENEGA SPORTS COMPLEX

ADDRESS: 5001 RODEO ROAD
LOS ANGELES, CA 90016

WORK ORDER NO. E1907694

PLAN FILE NO.

DRAWING NO. P4.00

SHEET OF SHEETS

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OFFICIAL RECORD

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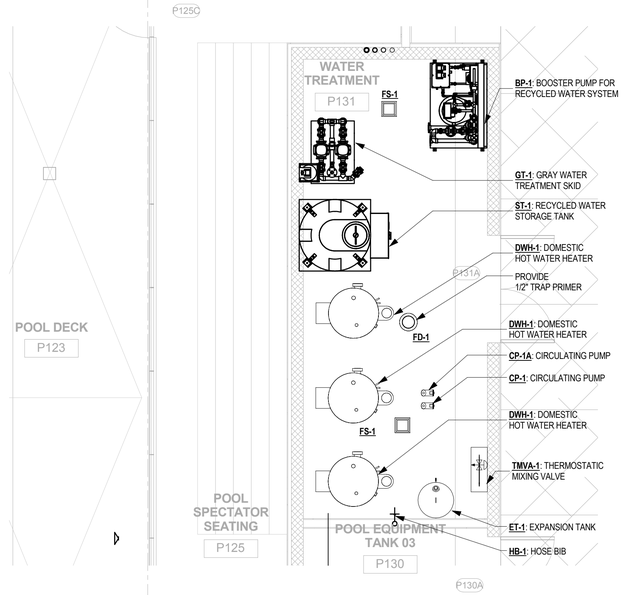
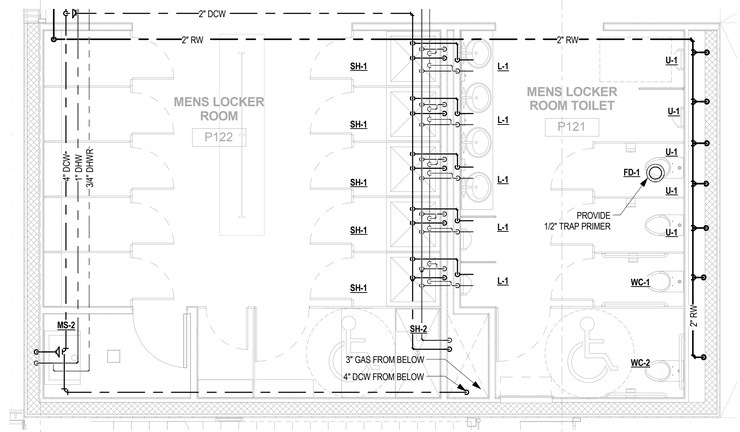
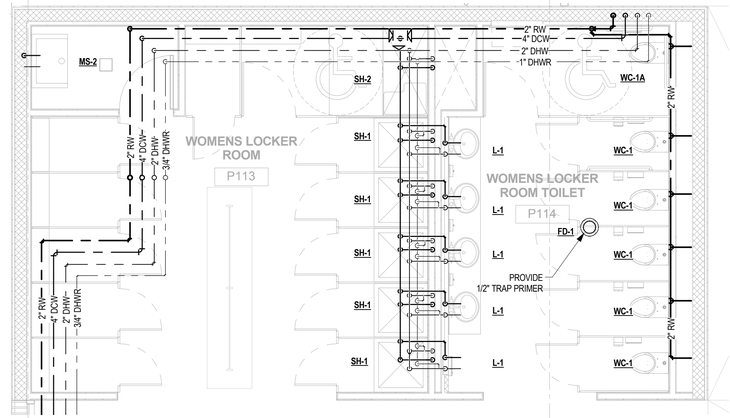


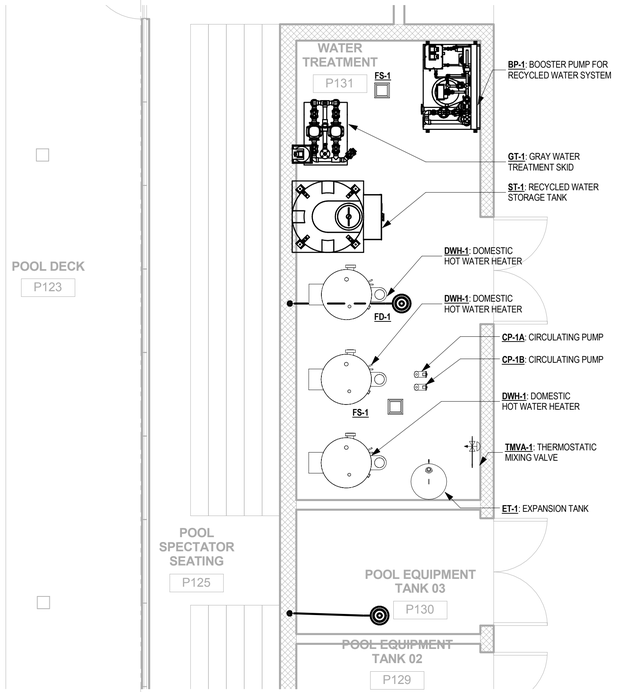
5 ENLARGED PLUMBING COLD AND HOT WATER LAYOUT - EQUIPMENT ROOM - POOL HALL
1/4" = 1'-0"



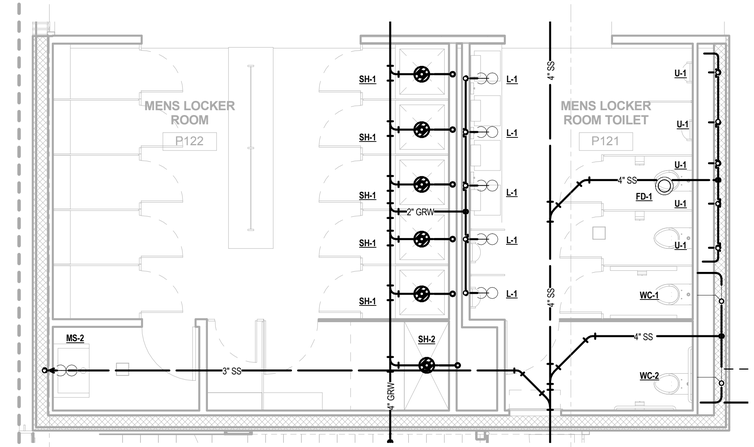
3 ENLARGED PLUMBING COLD & HOT WATER LAYOUT - MEN'S RESTROOM - POOL HALL
1/4" = 1'-0"



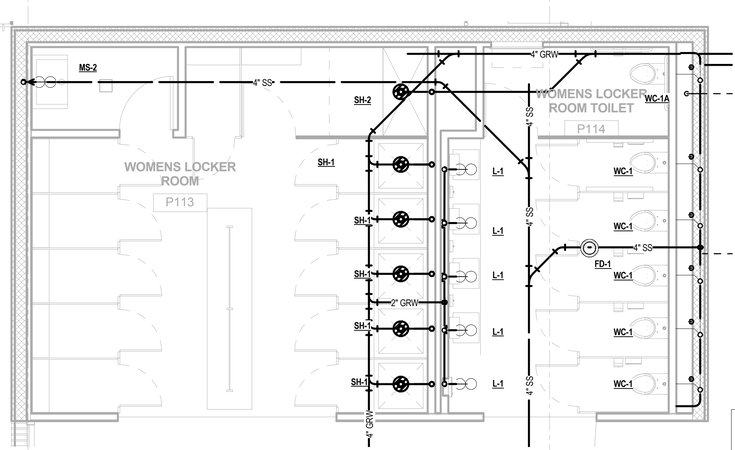
1 ENLARGED PLUMBING COLD & HOT WATER LAYOUT - WOMEN'S RESTROOM - POOL HALL
1/4" = 1'-0"



6 ENLARGED PLUMBING WASTE & VENT LAYOUT - EQUIPMENT ROOM - POOL HALL
1/4" = 1'-0"



4 ENLARGED PLUMBING WASTE & VENT LAYOUT - MEN'S RESTROOM - POOL HALL
1/4" = 1'-0"



2 ENLARGED PLUMBING WASTE & VENT LAYOUT - WOMEN'S RESTROOM - POOL HALL
1/4" = 1'-0"

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CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS
CITY ENGINEER
GARY LEE MOORE, PE, ENV SP
ARCHITECTURAL DIVISION
ENGINEER: JOHN ROZELUK, PE
LIC. NO. M-34269
DESIGNED BY: MW
DRAWN BY: MW
CHECKED BY: MW
APPROVED BY: Approver
DATE:

PROJECT: RANCHO CIENEGA SPORTS COMPLEX
ADDRESS: 5001 RODEO ROAD LOS ANGELES, CA 90016
SHEET TITLE: PLUMBING ENLARGED PLAN
VERTICAL CONTROL:
HORIZONTAL CONTROL:

WORK ORDER NO. E1907694
PLAN FILE NO.
DRAWING NO. P4.01
SHEET OF SHEETS

BUILDING NO. XX/XX
INDEX NO. - RP 300094

NO. REVISIONS: DATE: BY:

ENGINEERING
CITY OF LOS ANGELES
BUREAU OF ENGINEERING

REGISTERED PROFESSIONAL ENGINEER
JOHN GREGORY ROZELUK
No. M34269
12/31/2016
MECHANICAL
STATE OF CALIFORNIA

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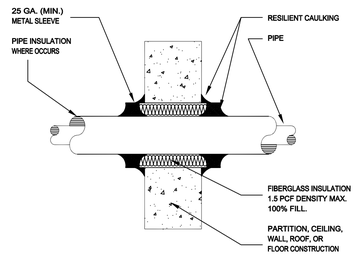
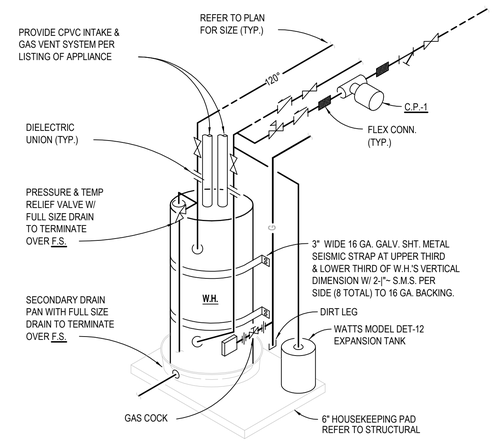
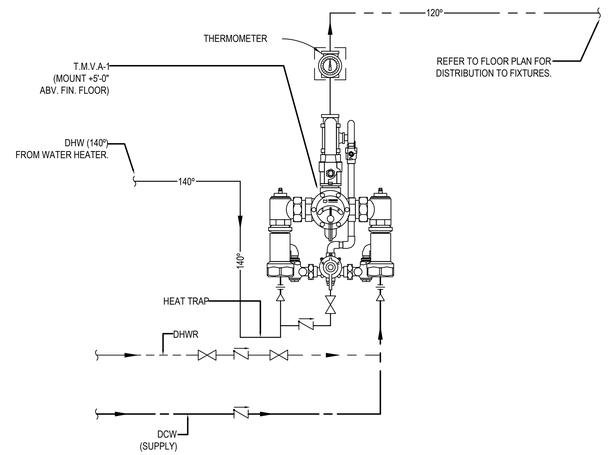


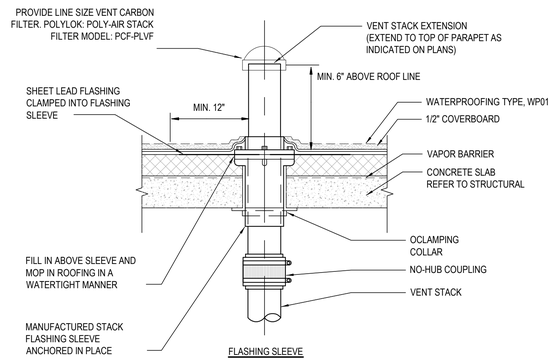
1 INSULATED PIPE PENETRATION THRU CONCRETE WALL ABOVE GRADE
SCALE : NTS



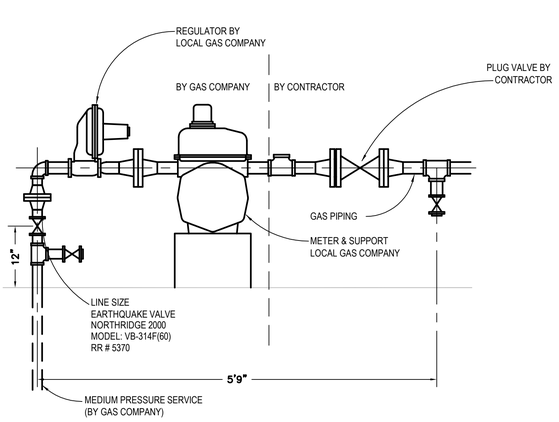
2 GAS WATER HEATER DETAIL
SCALE : NTS



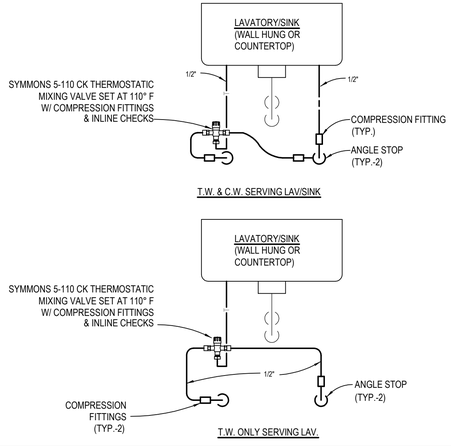
3 PRIMARY THERMOSTATIC MIXING VALVE DETAIL
SCALE : NTS



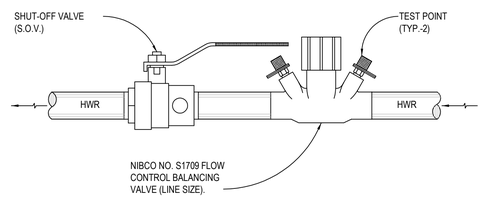
4 VENT THRU ROOF
SCALE : NTS



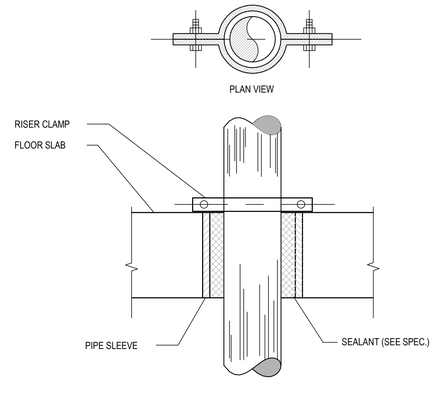
5 GAS METER DETAIL
SCALE : NTS



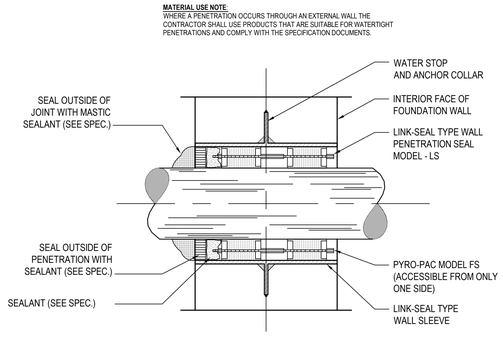
6 THERMOSTATIC MIXING VALVE DETAIL
SCALE : NTS



7 FLOW CONTROL VALVE DETAIL
SCALE : NTS



8 PIPE SLEEVE THRU FLOOR SLAB DETAIL
SCALE : NTS



9 PIPE SLEEVE THROUGH EXTERIOR FOUNDATION WALL DETAIL
SCALE : NTS

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BUILDING NO. XX/XX

INDEX NO. - RP 300094

REGISTERED PROFESSIONAL ENGINEER
JOHN GREGORY ROZELUK
No. M34269
EXP. 12/31/2016
MECHANICAL
STATE OF CALIFORNIA

GARY LEE MOORE, PE, ENV SP CITY ENGINEER
ARCHITECTURAL DIVISION
ARCHITECT: JOHN ROZELUK, PE LIC. NO. M-34269
DESIGNED BY: MW DATE:
DRAWN BY: MW
CHECKED BY: MW
APPROVED BY: Approver

VERTICAL CONTROL:
HORIZONTAL CONTROL:

SHEET TITLE: PLUMBING DETAILS

PROJECT: RANCHO CIENEGA SPORTS COMPLEX
ADDRESS: 5001 RODEO ROAD LOS ANGELES, CA 90016

WORK ORDER NO. E1907694
PLAN FILE NO.
DRAWING NO. P5.01
SHEET OF SHEETS

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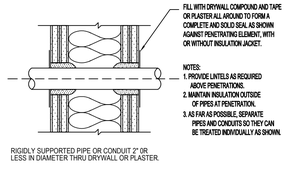
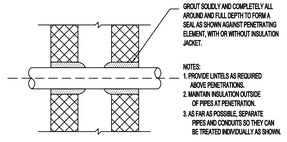
TEMPLATE SHEET REVISION DATE: 08/2014
REVISION DATE: 12/7/2016 4:13 PM
FILE: O:\033398 RANCHO CIENEGA SPORTS COMPLEX\BIM\P05 MEP\CAD\SHEET\PIP-5.01.DWG

PLOTTED: 12/19/2016 1:56 PM



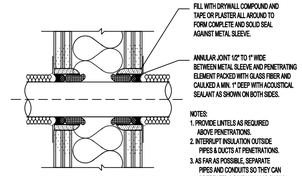
RIGIDLY SUPPORTED PIPE OR CONDUIT 2" OR LESS IN DIAMETER THRU DRYWALL OR PLASTER.



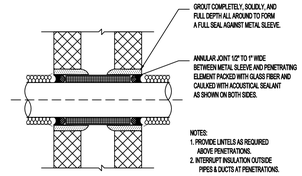
RIGIDLY SUPPORTED PIPE OR CONDUIT 2" OR LESS IN DIAMETER THRU MASONRY OR CONCRETE.

1 ACOUSTIC TREATMENT PENETRATION DETAILS (1 & 2)

SCALE : NTS



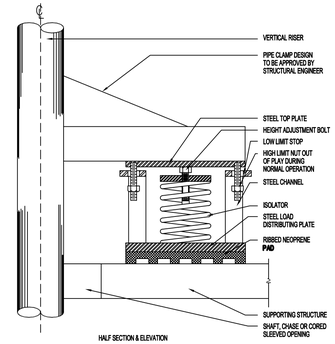
ALL RESILIENTLY SUPPORTED PIPES, DUCTS, OR CONDUITS AND RIGIDLY SUPPORTED PIPES, DUCTS, OR CONDUITS OVER 2" IN DIAMETER OR WIDTH THRU DRYWALL OR PLASTER.



ALL RESILIENTLY SUPPORTED PIPES, DUCTS, OR CONDUITS AND RIGIDLY SUPPORTED PIPES, DUCTS, OR CONDUITS OVER 2" IN DIAMETER OR WIDTH THRU MASONRY CONSTRUCTION.

2 ACOUSTIC TREATMENT PENETRATION DETAILS (3 & 4)

SCALE : NTS



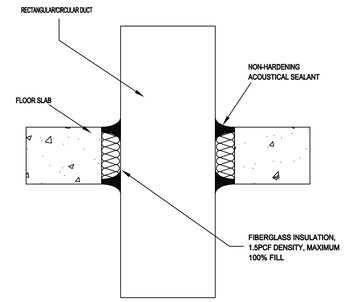
HALF SECTION & ELEVATION

NOTES:

1. ALL EQUIPMENT ISOLATORS SHALL BE ANCHORED TO THE FLOOR SLAB OR CONCRETE MOUNTING PAD.
2. DO NOT TRANSFER LOAD TO SPRING UNTIL ENTIRE SYSTEM IS UNDER OPERATIONAL LOAD.
3. WHEN SYSTEM OPERATIONAL, ADJUST HEIGHT ADJUSTING BOLT TO TRANSFER LOAD.
4. BACK OFF HIGH LIMIT NUTS FOR 3/8" CLEARANCE.

3 PIPE SUPPORT-VERTICAL RISER

SCALE : NTS



4 ISOLATED PIPE PENETRATION THRU FLOOR SLAB

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REGISTERED PROFESSIONAL ENGINEER
JOHN GREGORY ROZELUK
No. M34269
EXP. 12/31/2016
MECHANICAL
STATE OF CALIFORNIA

BUREAU OF PUBLIC WORKS

CITY ENGINEER: **GARY LEE MOORE, PE, ENV SP**
ARCHITECTURAL DIVISION
LIC. NO. M-34269 DATE:
ARCHITECT: JOHN ROZELUK, PE
DESIGNED BY: MW
DRAWN BY: MW
CHECKED BY: MW
APPROVED BY: Approver

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CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS

VERTICAL CONTROL:
HORIZONTAL CONTROL:

SHEET TITLE: PLUMBING DETAILS

PROJECT: RANCHO CIENEGA SPORTS COMPLEX

ADDRESS: 5001 RODEO ROAD
LOS ANGELES, CA 90016

BUREAU OF ENGINEERING
OFFICIAL RECORD

WORK ORDER NO. E1907694

PLAN FILE NO.

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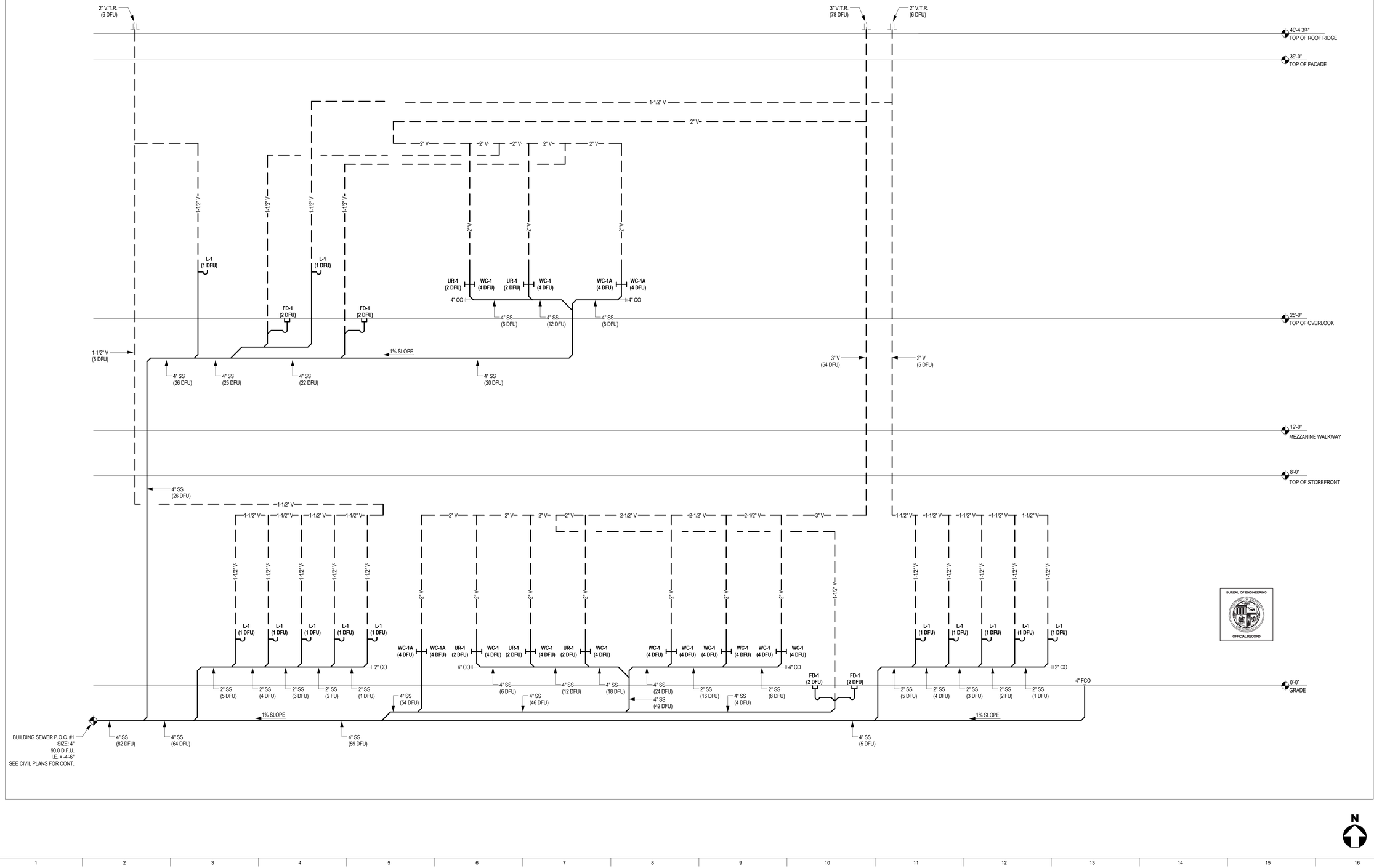

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REGISTERED PROFESSIONAL ENGINEER
JOHN GREGORY ROZELUK
No. M34269
12-31-2016
MECHANICAL
STATE OF CALIFORNIA

CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS

GARY LEE MOORE, PE, ENV SP — CITY ENGINEER — DATE:
ARCHITECTURAL DIVISION — LIC. NO. M-34269
ENGINEER: JOHN ROZELUK, PE
DESIGNED BY: Designer
DRAWN BY: Author
CHECKED BY: Checker
APPROVED BY: Approver

SHEET TITLE: PLUMBING WASTE & VENT RISER DIAGRAM

PROJECT: RANCHO CIENEGA SPORTS COMPLEX
ADDRESS: 5001 RODEO ROAD
LOS ANGELES, CA 90016

CITY OF LOS ANGELES
VERTICAL CONTROL:
HORIZONTAL CONTROL:

WORK ORDER NO. E1907694
PLAN FILE NO.
DRAWING NO. P7.01
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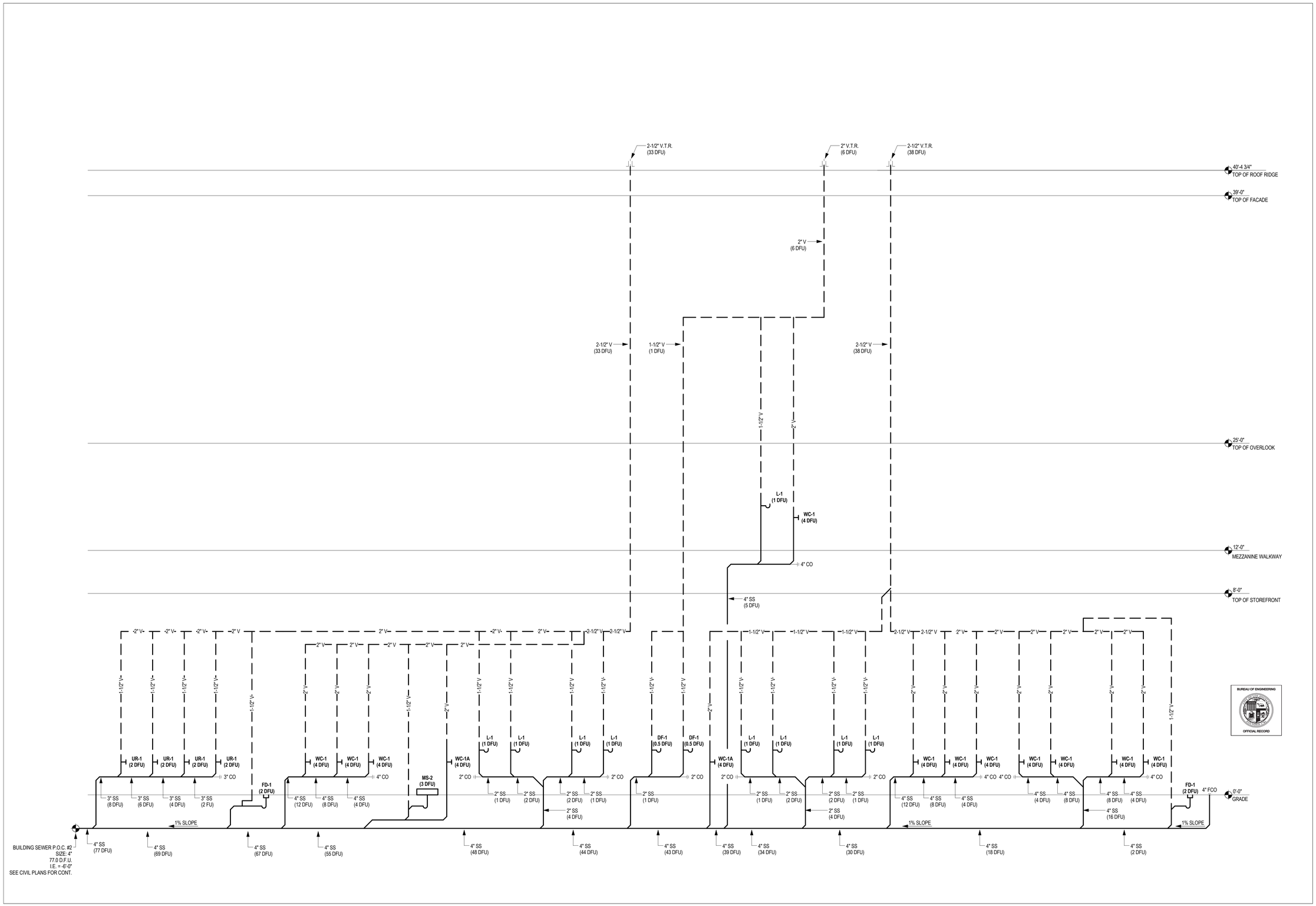

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JOHN GREGORY ROZELUK
No. M34269
12/31/2016
MECHANICAL
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CITY OF LOS ANGELES
DEPARTMENT OF PUBLIC WORKS

GARY LEE MOORE, PE, ENV SP CITY ENGINEER
ARCHITECTURAL DIVISION

ENGINEER: JOHN ROZELUK, PE LIC. NO. M-34269
DESIGNED BY: Designer
DRAWN BY: Author
CHECKED BY: Checker
APPROVED BY: Approver

CITY OF LOS ANGELES
VERTICAL CONTROL:
HORIZONTAL CONTROL:

SHEET TITLE: PLUMBING WASTE & VENT RISER DIAGRAM

PROJECT: RANCHO CIENEGA SPORTS COMPLEX
ADDRESS: 5001 RODEO ROAD
LOS ANGELES, CA 90016

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PLAN FILE NO.
DRAWING NO.
P7.02
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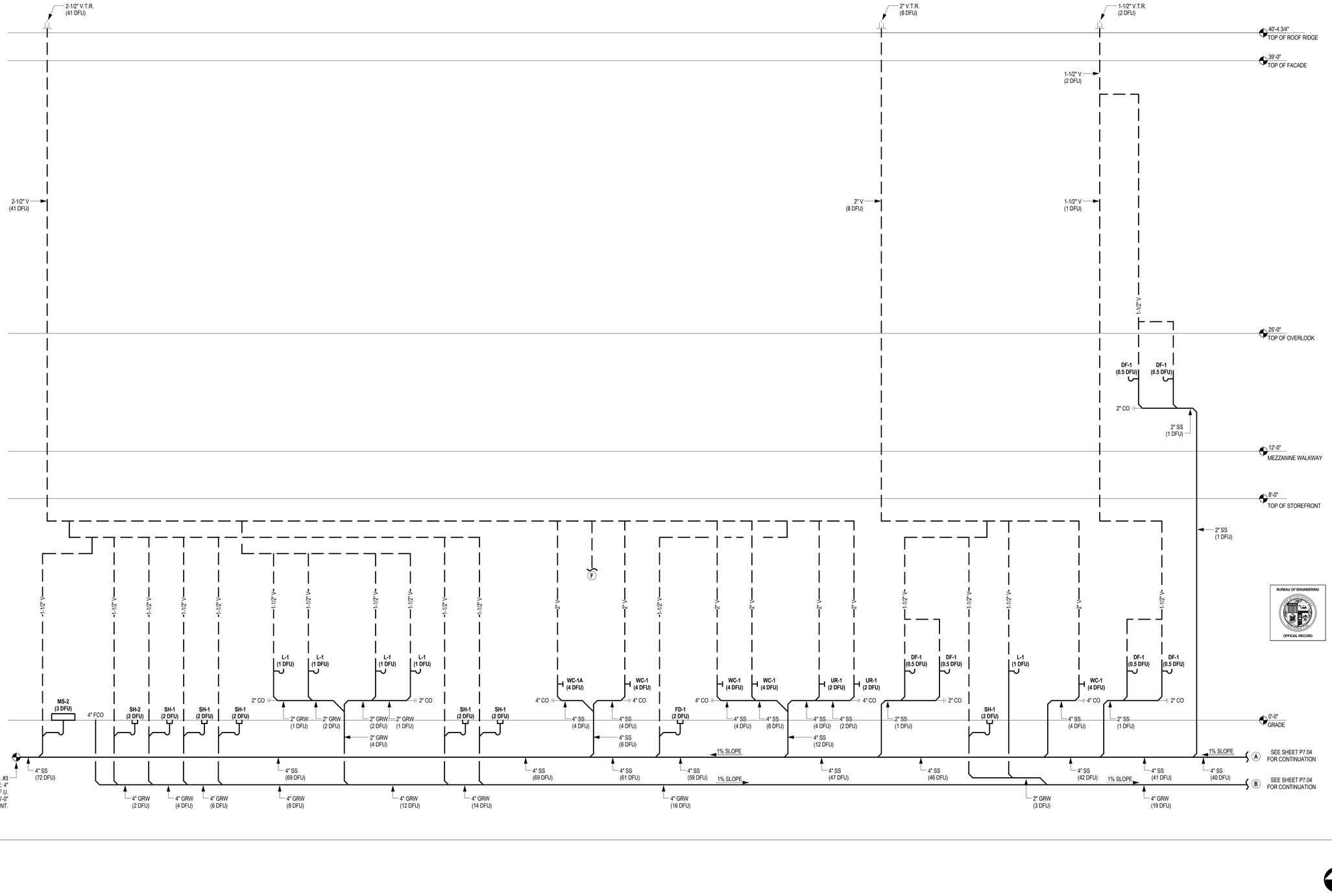

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REGISTERED PROFESSIONAL ENGINEER
JOHN GREGORY ROZELUK
No. M34269
EXP. 06/30/2016
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GARY LEE MOORE, PE, ENV SP CITY ENGINEER
ARCHITECTURAL DIVISION
ENGINEER: JOHN ROZELUK, PE LIC. NO. M-34269
DESIGNED BY: Designer
DRAWN BY: Author
CHECKED BY: Checker
APPROVED BY: Approver
DATE:

VERTICAL CONTROL:
HORIZONTAL CONTROL:

SHEET TITLE: PLUMBING WASTE & VENT RISER DIAGRAM

PROJECT: RANCHO CIENEGA SPORTS COMPLEX
ADDRESS: 5001 RODEO ROAD
LOS ANGELES, CA 90016

WORK ORDER NO.
E1907694

PLAN FILE NO.

DRAWING NO.
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JOHN GREGORY ROZELUK
No. M34269
MECHANICAL
STATE OF CALIFORNIA
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CITY OF LOS ANGELES

GARY LEE MOORE, PE, ENV SP CITY ENGINEER
ARCHITECTURAL DIVISION
ENGINEER: JOHN ROZELUK, PE LIC. NO. M-34269
DESIGNED BY: Designer
DRAWN BY: Author
CHECKED BY: Checker
APPROVED BY: Approver

SHEET TITLE: PLUMBING WASTE & VENT RISER DIAGRAM

PROJECT: RANCHO CIENEGA SPORTS COMPLEX
ADDRESS: 5001 RODEO ROAD
LOS ANGELES, CA 90016

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WORK ORDER NO.
E1907694

PLAN FILE NO.

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P7.04

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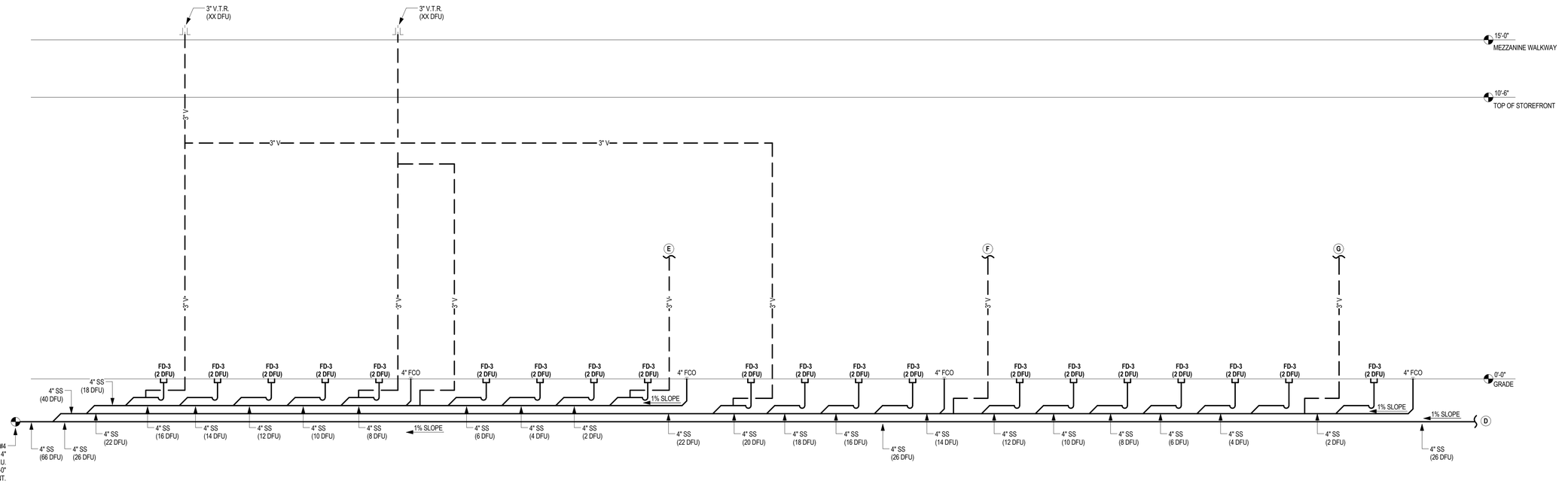

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JOHN GREGORY ROZELUK
No. M34269
12/31/2016
MECHANICAL
STATE OF CALIFORNIA

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CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS

CITY ENGINEER: GARY LEE MOORE, PE, ENV SP
DATE:

ARCHITECTURAL DIVISION
ENGINEER: JOHN ROZELUK, PE LIC. NO. M-34269
DESIGNED BY: Designer
DRAWN BY: Author
CHECKED BY: Checker
APPROVED BY: Approver

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HORIZONTAL CONTROL:

SHEET TITLE: PLUMBING WASTE & VENT RISER DIAGRAM

PROJECT: RANCHO CIENEGA SPORTS COMPLEX
ADDRESS: 5001 RODEO ROAD
LOS ANGELES, CA 90016

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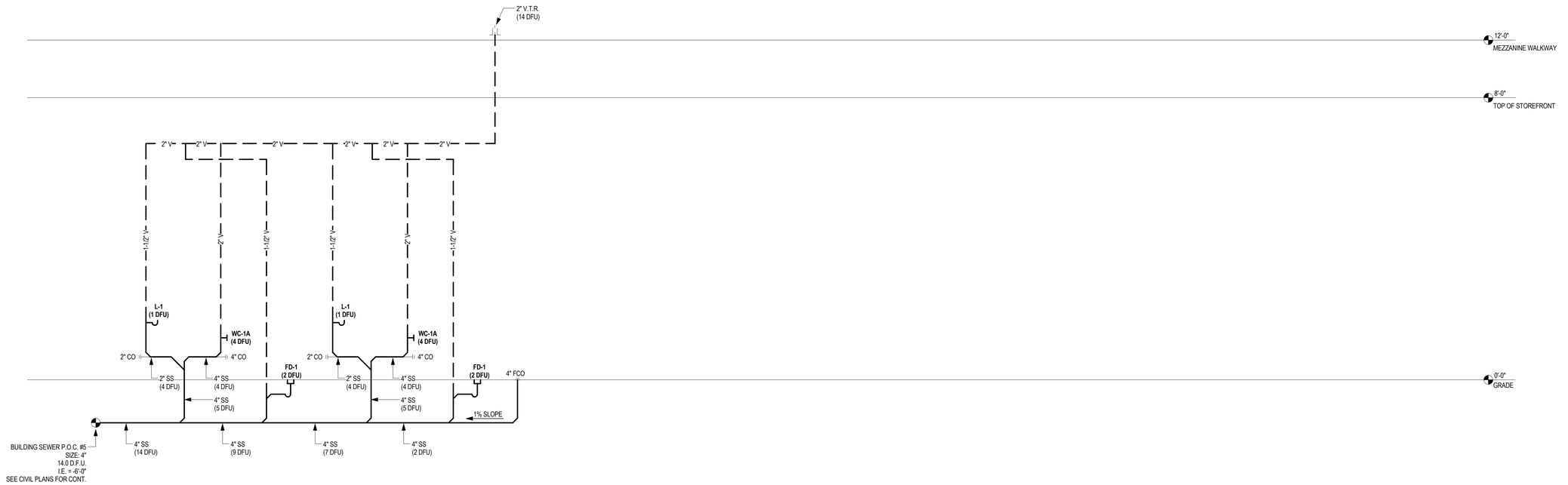

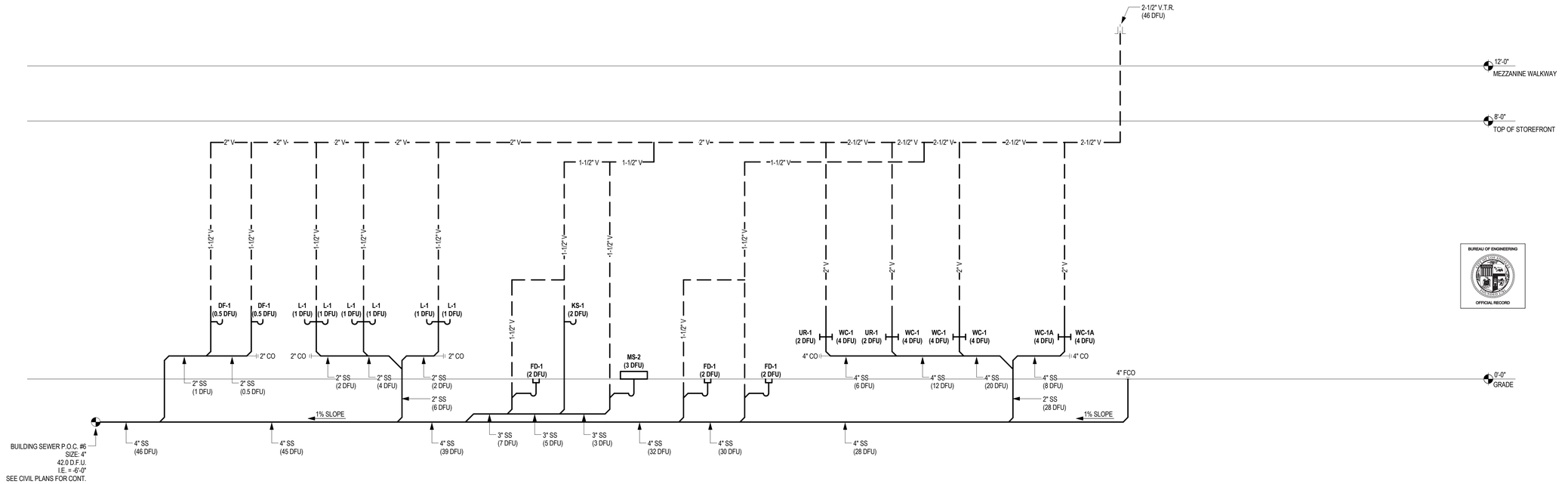

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EXP. 12/31/2016
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GARY LEE MOORE, PE, ENV SP CITY ENGINEER
ARCHITECTURAL DIVISION

ENGINEER: JOHN ROZELUK, PE LIC. NO. M-34269
DESIGNED BY: Designer
DRAWN BY: Author
CHECKED BY: Checker
APPROVED BY: Approver

VERTICAL CONTROL:
HORIZONTAL CONTROL:

SHEET TITLE: PLUMBING WASTE & VENT RISER DIAGRAM

PROJECT: RANCHO CIENEGA SPORTS COMPLEX
ADDRESS: 5001 RODEO ROAD
LOS ANGELES, CA 90016

WORK ORDER NO.
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JOHN GREGORY ROZELUK
No. M34269
MECHANICAL
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12/31/2016

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GARY LEE MOORE, PE, ENV SP CITY ENGINEER

ARCHITECTURAL DIVISION

ENGINEER: JOHN ROZELUK, PE LIC. NO. M-34269

DESIGNED BY: Designer

DRAWN BY: Author

CHECKED BY: Checker

APPROVED BY: Approver

VERTICAL CONTROL:

HORIZONTAL CONTROL:

SHEET TITLE: PLUMBING CW, RW, HW, & HWR RISER DIAGRAM

PROJECT: RANCHO CIENEGA SPORTS COMPLEX

ADDRESS: 5001 RODEO ROAD
LOS ANGELES, CA 90016

WORK ORDER NO. E1907694

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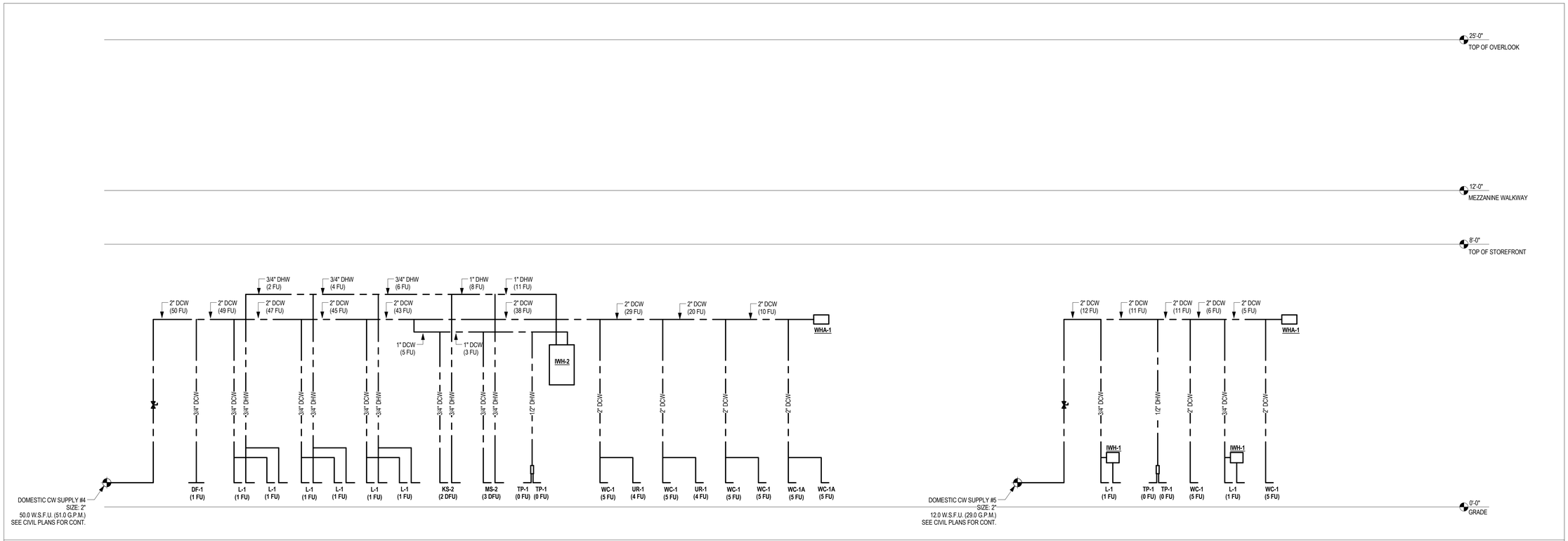

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MECHANICAL
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GARY LEE MOORE, PE, ENV SP CITY ENGINEER
ARCHITECTURAL DIVISION LIC. NO. M-34269

ENGINEER: JOHN ROZELUK, PE
DESIGNED BY: Designer
DRAWN BY: Author
CHECKED BY: Checker
APPROVED BY: Approver

DATE:

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VERTICAL CONTROL:
HORIZONTAL CONTROL:

SHEET TITLE: PLUMBING CW, RW, HW, & HWR RISER DIAGRAM

PROJECT: RANCHO CIENEGA SPORTS COMPLEX

ADDRESS: 5001 RODEO ROAD
LOS ANGELES, CA 90016

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ARCHITECTURAL DIVISION LIC. NO. M-34269
ENGINEER: JOHN ROZELUK, PE
DESIGNED BY: Designer
DRAWN BY: Author
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SHEET TITLE: PLUMBING CW, RW, HW, & HWR RISER DIAGRAM

PROJECT: RANCHO CIENEGA SPORTS COMPLEX

ADDRESS: 5001 RODEO ROAD
LOS ANGELES, CA 90016

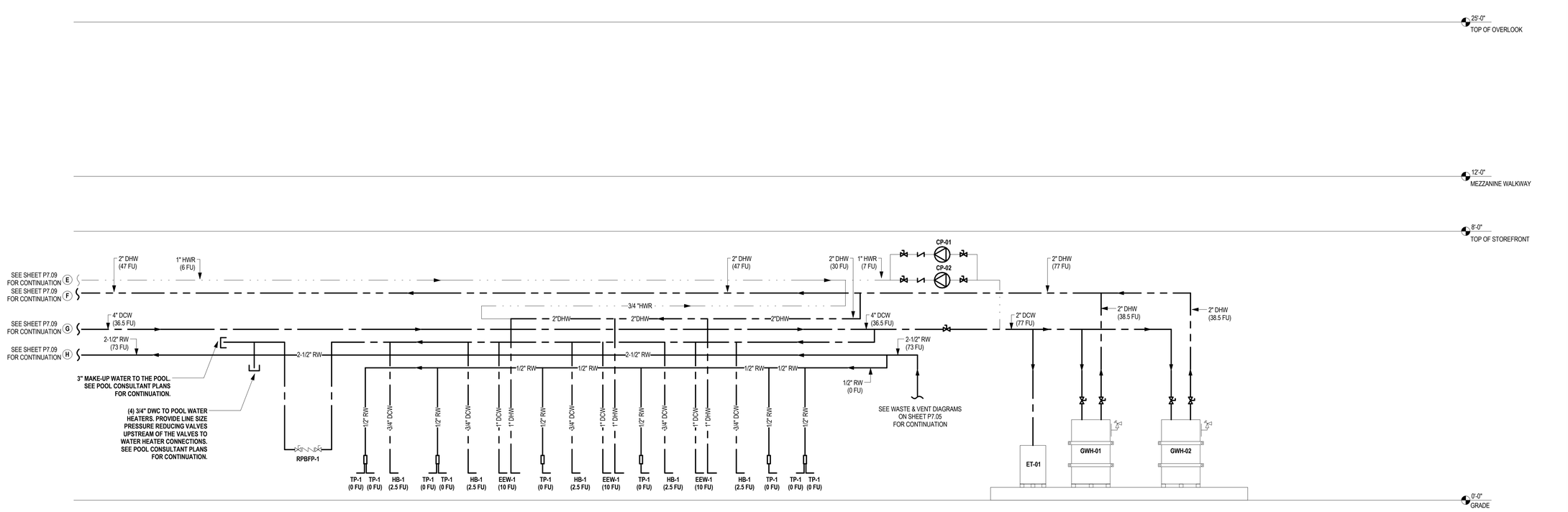
WORK ORDER NO. E1907694

PLAN FILE NO.

DRAWING NO. P7.09

SHEET OF SHEETS

PLOTTED: ----



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REVISION DATE: 7/21/2015 5:02 PM FILE: Z:\14-018 RANCHO CIENEGA SPORTS COMPLEX\DRAWINGS\CAD\BLOCKS\TITLEBLOCKS\LA_BOE_TITLB_RCSC_DESIGN DEVELOPMENT.DWG

REVISION DATES (DESIGN STAGE ONLY)

BUREAU OF ENGINEERING
ENGINEERING
CITY OF LOS ANGELES

NO.	REVISIONS:	DATE:	BY:

BUILDING NO. XX/XX

INDEX NO. - RP 300094

REGISTERED PROFESSIONAL ENGINEER JOHN GREGORY ROZELUK No. M34269 MECHANICAL STATE OF CALIFORNIA 10/20/2016

BID SET SUBMITTAL

CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS

GARY LEE MOORE, PE, ENV SP CITY ENGINEER
ARCHITECTURAL DIVISION LIC. NO. M-34269

ENGINEER: JOHN ROZELUK, PE
DESIGNED BY: Designer
DRAWN BY: Author
CHECKED BY: Checker
APPROVED BY: Approver
DATE:

VERTICAL CONTROL:
HORIZONTAL CONTROL:

SHEET TITLE: PLUMBING CW, RW, HW, & HWR RISER DIAGRAM

PROJECT: RANCHO CIENEGA SPORTS COMPLEX

ADDRESS: 5001 RODEO ROAD LOS ANGELES, CA 90016

BUREAU OF ENGINEERING OFFICIAL RECORD

WORK ORDER NO. E1907694

PLAN FILE NO.

DRAWING NO. P7.10

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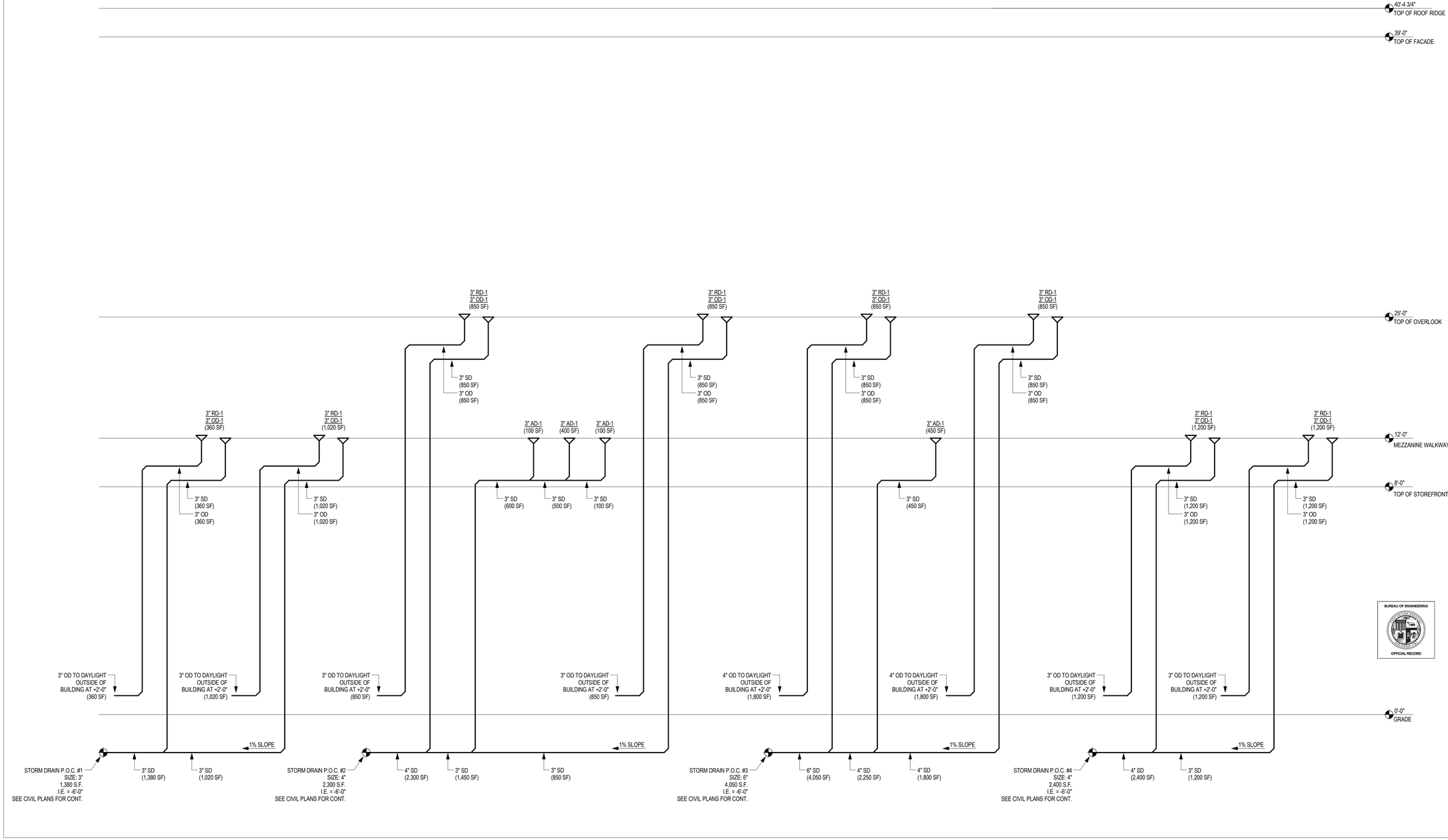
REVISION DATES (DESIGN STAGE ONLY)



BUREAU OF ENGINEERING

ENGINEERING
CITY OF LOS ANGELES

NO.	REVISIONS:	DATE:	BY:

BUILDING NO. XX/XX

INDEX NO. - RP 300094

REGISTERED PROFESSIONAL ENGINEER
JOHN GREGORY ROZELUK
No. M34269
12/31/2016
MECHANICAL
STATE OF CALIFORNIA

BID SET SUBMITTAL

CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS

GARY LEE MOORE, PE, ENV SP CITY ENGINEER
ARCHITECTURAL DIVISION

ENGINEER: JOHN ROZELUK, PE LIC. NO. M-34269
DESIGNED BY: Designer
DRAWN BY: Author
CHECKED BY: Checker
APPROVED BY: Approver

VERTICAL CONTROL:
HORIZONTAL CONTROL:

SHEET TITLE: PLUMBING STORM RISER DIAGRAM

PROJECT: RANCHO CIENEGA SPORTS COMPLEX

ADDRESS: 5001 RODEO ROAD
LOS ANGELES, CA 90016

WORK ORDER NO. E1907694
PLAN FILE NO.
DRAWING NO. P7.11
SHEET OF SHEETS

PLOTTED: ----

INDOOR LIGHTING FIXTURE SCHEDULE

SYMBOLS	TYPE	DESCRIPTIONS	COMMENTS
	A 220	LED HIGH WATTAGE FIXTURE - - METEOR: WS-240-42K-80 B	BASKETBALL COURT & POOL LIGHTS - -
EM	AE 220	SAME AS FIXTURE TYPE "A" ON EMERGENCY CIRCUIT - - METEOR: WS-240-42K-80 B	- - - -
	B 47	NOT USED	- - - -
	C 25	LINEAR 4' STRIP 3500K - PRUDENTIAL LIGHTING: P40-LED35HO-OPL-TMW-D1-SC-UNV-X1	STADIUM S104 - -
EM	CE 25	SAME AS FIXTURE TYPE "B" BUT ON EMERGENCY CIRCUIT - - PRUDENTIAL LIGHTING: P40-LED35HO-OPL-TMW-D1-SC-UNV-X1	- - - -
	C1 25	RECESSED LINEAR 4' LED STRIP - - PRUDENTIAL LIGHTING:P40-OPL-TMW-D1-SC-UNV-X6	VERIFY CEILING TYPE - - -
EM	C1E 25	SAME AS FIXTURE TYPE "C1' BUT ON EMERGENCY POWER - - - -	- - - -
	D 26	VANDAL RESISTANT LED FIXTURE WRAP FIXTURE TAMPER PROOF LATCHES COLUMBIA LIGHTING: LXEM4-40LW-DFA-ED-U	BLEACHERS & WALKWAYS
	DE 26	SAME AS FIXTURE TYPE "C', BUT ON EMERGENCY CIRCUIT - - COLUMBIA LIGHTING: LXEM4-40LW-DFA-ED-U	- - - -
	E 48	LINEAR NARROW AND SHALLOW FIXTURE LED SUSPENDED OR SURFACE MOUNTED - A-LIGHT: ACL3-4LH-35-U-HE-S-T	UNDER BRIDGE & GYM LOBBY - -
EM	EE 48	SAME AS FIXTURE TYPE "E", BUT ON EMERGENCY CIRCUIT - - A-LIGHT: ACL3-4LH-35-U-HE-S-T	- - - -
	F 25	LED LIGHT STRIP - - COLUMBIA LIGHTING: LCL4-40LW-ED-U	STADIUM S105 EXTERIOR S109 GYM G107 & G108, G100, G101, G104 POOL P -
EM	FE 25	SAME AS FIXTURE "F" BUT ON EMERGENCY CIRCUIT - - COLUMBIA LIGHTING: LCL4-40LW-ED-U	JANITOR & EQUIPMENT STORAGE 2500 LUMENS -
	G 19	RECESSED LED DOWNLIGHT, 4"DIA - PRESCOLITE: LF4LEDG4-120/277- 4LFLED6G4-35K-WT-LF4LED6G4277-DM1	STADIUM S102 & 103 - S202 & S203 (EXTERIOR S108) GYM BLEACHERS G100 G102 G103 G105
EM	GE 19	SAME AS FIXTURE "G" EXCEPT ON EMERGENCY POWER - - PRESCOLITE: LF4LEDG4-120/277-4LFLED7G4-XDM1	GYM MEZZ G202 POOL P113, P114, P104, P108, P109, P111, P116, P117, P119, P120, P121, 1214 LUMENS
T	H 36	PERIMETER FIXTURE WALL GRAZE, 4' INCREMENTS - - PRUDENTIAL: MW-LED35-SO-4-TMW-SC-UNV-CA48-X1-DM10	TENNIS PRO SHOP T100 - - -

INDOOR LIGHTING FIXTURE SCHEDULE - CONTINUED

SYMBOLS	TYPE	DESCRIPTIONS	COMMENTS
	I 30	- - COLUMBIA:LCAT22-35MLG-EDU	STADIUM S100, S201 GYM MEZZ G201 & G203 POOL P102, P103, P105 & P106 POOL P204 & P205
	IE –	SAME AS FIXTURE TYPE "I", EXCEPT ON EMERGENCY CIRCUIT - - COLUMBIA:LCAT22-35MLG-EDU	3300 LUMENS PER FIXTURE - -
	J 4	WALL MOUNTED LED FIXTURE, 24" LONG - - LUMINAIRELED: TSL9-2-25W-40K-10-277-OP-X-EMB722R	TYPICAL FOR ALL STAIRWELLS - -
	JE 4	SAME AS FIXTURE "J" BUT ON EMERGENCY POWER LUMINAIRE: LED TSL9-3-25W-40K-10-277-OP-X	245 LUMENS PER FIXTURE
	K 19	EXTERIOR WALL MOUNTED LED FIXTURE - - LUMINAIRE: AEL-48-20W-120/277-4000K-DP-BKH	EXTERIOR TO STADIUM TICKET OFFICE S100 - -
	L 58	SURFACE MOUNTED FIXTURE LED VANDAL RESISTANT - - LUMINAIRE: CLF11-4-60W-120/277-OP (DERATE FROM 170W)	TENNIS GRANDSTAND BLEACHERS - -
	M 5	DIE CAST ALUMINIUM LED EXIT SIGN - - EVENLITE: CCDS-EM-R1-X-X	
	N –	DECORATIVE LED HIGH BAY - - HUBBELL: LBX-56L-U-4K-AL23-WH	EXTERIOR TO STADIUM CONCESSIONS S101 - -
	P –	OUTSIDE STAIRS LED FIXTURES - - 1505-AB-X-N-MV-CP	
	PE –		

NOTE:
ALL FIXTURES SHALL BE DIMMABLE.

ELECTRICAL LEGEND:

1. **FOR LIGHTING SYMBOLS, SEE LIGHTING FIXTURE SCHEDULE THIS SAME SHEET.**

- S_a — LIGHTING TOGGLE SWITCH,SUBSCRIPT "a" DENOTES OUTLET CONTROLLED
- D — DIMMER SWITCH
- CONVENIENT DUPLEX OUTLET, 120V, 1 PHASE, 20A +15" A.F.F. U.O.N.
- C — CONTROLLED CONVENIENT DUPLEX OUTLET (TITLE 24 REQUIREMENTS) 120V, 1 PHASE, 20A, +15" A.F.F. U.O.N.
- DEDICATED DUPLEX OUTLET, 120V, 1 PHASE, 20A +15" A.F.F. U.O.N.
- JUNCTION BOX
- CONDUIT RUN CONCEALED IN WALL OR CEILING, 2#12, 3/4"C
- 3#12, 3/4" C
- 4#12, 3/4" C
- "PP"-1 — HOME RUN TO PANEL "PP ", CIRCUIT #1
- TELEPHONE OUTLET, 15" A.F.F. U.O.N.
- DATA OUTLET, 15"AFF U.O.N.
- TV — TV OUTLET (CABLE/ANTENNA), + 15" A.F.F.
- F — FUSIBLE DISCONNECT SAFETY SWITCH, RATING AS NOTED
- NON FUSIBLE DISCONNECT SAFETY SWITCH, RATING AS NOTED
- S_M — MANUAL MOTOR STARTER WITH THERMAL OVERLOAD
- PANEL, 120/208V, 3 PHASE, 4 WIRE, RATING AS NOTED
- PANEL, 480/277V, 3 PHASE, 4 WIRE, RATING AS NOTED
- T — TRANSFORMER, RATING AS NOTED.
- A 220 — LIGHTING FIXTURE DESCRIPTION, FIXTURE TYPE " A", TOTAL WATTAGE INCLUDING BALLAST: 240 WATTS
- 1 — NUMBERED NOTES

ABBREVIATIONS

A	AMPERE
A.F.F.	ABOVE FINISHED FLOOR
C.O.	CONDUIT ONLY
GFI	GROUND FAULT INTERRUPTER
U.O.N.	UNLESS OTHERWISE NOTED
V	VOLT
W	WATT
WP	WEATHER PROOF
Z	TRANSFORMER IMPEDANCE

BUREAU OF ENGINEERING
OFFICIAL RECORD

V & M ELECTRICAL ENGINEERING, INC.
3330 Barham Boulevard, Suite 204
Los Angeles, CA 90068
(323)851-9964 Fax (323)851-0153
E-mail: vme@vmelectrical.com

BID SET SUBMITTAL

CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS BUREAU OF ENGINEERING

CITY OF LOS ANGELES ENGINEERING

BUILDING NO.

INDEX NO. - RP 300094

NO.	REVISIONS:	DATE:	BY:

GARY LEE MOORE, PE, ENV SP CITY ENGINEER — DATE:
ENGINEER: VLADIMIR TSIDULKO, PE — LIC. NO. E11834 — ARCHITECTURAL DIVISION
DESIGNED BY: V.T.
DRAWN BY: K.G.
CHECKED BY: V.T.
APPROVED BY: MAHMOOD KARIMZADEH, A.I.A., PRINCIPAL ARCHITECT — DATE:

VERTICAL CONTROL:
HORIZONTAL CONTROL:

SHEET TITLE: ELECTRICAL LEGEND, LIGHTING FIXTURE SCHEDULES

PROJECT: RANCHO CIENEGA SPORTS COMPLEX

ADDRESS: 5001 RODEO ROAD
LOS ANGELES, CA 90016

WORK ORDER NO. E1907694

PLAN FILE NO.

DRAWING NO. G-E1

SHEET 1 OF SHEETS

REVISION DATES (DESIGN STAGE ONLY)

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STATE OF CALIFORNIA
OUTDOOR LIGHTING
CEC-NRCC-LTO-01-E (Revised 05/15) — CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-LTO-01-E
Outdoor Lighting	(Page 1 of 4)
Project Name: RANCHO CIENEGA RECREATIONAL SPORTS COMPLEX	Date Prepared: 08/15/2016

A. General Information

Project Address: 5001 RODEO ROAD, LOS ANGELES CALIF., 90016	Total Illuminated Hardscape Area: –
Phase of Construction: ☐ New Construction ☐ Addition ☐ Alteration	
Outdoor Lighting Zone (OLZ) ☐ OLZ-1 ☐ OLZ-2 ☑ OLZ-3 ☐ OLZ-4	

I have confirmed with the AHJ which OLZ applies to this site. For default lighting zone designations, see Title 24 Part 6, §10-114

B. LIGHTING COMPLIANCE DOCUMENTS
(check box for each document included)

For detailed instructions on the use of this and all Energy Efficiency Standards compliance documents, refer to the Nonresidential Manual published by the California Energy Commission.

☑	NRCC-LTO-01-E	Certificate of Compliance
☑	NRCC-LTO-02-E	Outdoor Lighting Controls Certificate of Compliance
☑	NRCC-LTO-03-E	Outdoor Lighting Power Allowance Certificate of Compliance

C. Summary of Allowed Outdoor Lighting Power

			Watts
1.	**Sum Total ALLOWED** Outdoor Lighting Wattage from NRCC-LTO-03-E, page 1	=	–
	Complies ONLY if **Installed ≤ Allowed**		
2.	**Sum Total INSTALLED** Outdoor lighting Wattage from NRCC-LTO-01-E, page 3		–

D. Declaration of Required Installation Certificates
Declare by checking all Installation Certificates that will be submitted. (Retain copies and verify forms are completed and signed.)

☐ NRCI-LTO-01-E - Must be submitted for all buildings	☐ Field Inspector
☐ NRCI-LTO-02-E - Must be submitted for a lighting control system, or for an Energy Management Control System (EMCS), to be recognized for compliance.	☐ Field Inspector

E. Declaration of Required Certificates of Acceptance
Declare by checking all of the Certificates of Acceptance that will be submitted. (Retain copies and verify forms are completed and signed.)

☐ NRCA-LTO-02-A - Must be submitted for outdoor lighting controls.	☐ Field Inspector

STATE OF CALIFORNIA
OUTDOOR LIGHTING
CEC-NRCC-LTO-01-E (Revised 05/15) — CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-LTO-01-E
Outdoor Lighting	(Page 2 of 4)
Project Name: RANCHO CIENEGA RECREATIONAL SPORTS COMPLEX	Date Prepared: 08/15/2016

F. Schedule of luminaires exempt from the outdoor lighting power requirements in §140.7

Name or Symbol	Description of exempt luminaire in accordance with the exemptions
	NONE

G. Schedule of luminaires exempt from the cutoff requirements in §130.2(b)

Name or Symbol	Description of exempt luminaire in accordance with the exemptions
	NONE

H. Schedule of luminaires exempt from the outdoor lighting control requirements in §130.2(c)

Name or Symbol	Description of exempt luminaire in accordance with the exemptions
	NONE

STATE OF CALIFORNIA
OUTDOOR LIGHTING
CEC-NRCC-LTO-01-E (Revised 08/14) — CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-LTO-01-E
Outdoor Lighting	(Page 3 of 4)
Project Name: RANCHO CIENEGA RECREATIONAL SPORTS COMPLEX	Date Prepared: 08/15/2016

I. Outdoor Lighting Schedule and Field Inspection Energy Checklist

Luminaire Schedule		Installed Watts				Location	Cutoff	Field Inspector	
A	B	C	D		E	F	G	H	I	
Name or Item Tag	Complete Luminaire Description	Watts per Luminaire	How wattage was determined: CEC Default from NRCC	How wattage was determined: According to §130.0(c)	Number of Luminaires	Total Installed Watts in this area (C x E)	Primary Function area in which these luminaires are installed	BUG Rating	Pass	Fail
–	SEE FIXTURE SCHEDULE SHEET E-1	–	☐	☑	–	–	–		☐	☐
–	" "	–	☐	☑	–	–	–		☐	☐
–		–	☐	☑	–	–	–		☐	☐
			☐	☐					☐	☐
			☐	☐					☐	☐
			☐	☐		

STATE OF CALIFORNIA
OUTDOOR LIGHTING CONTROLS
CEC-NRCC-LTO-02-E (Revised 05/15) CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-LTO-02-E
Outdoor Lighting Controls	(Page 1 of 3)
Project Name: RANCHO CIENEGA RECREATIONAL SPORTS COMPLEX	Date Prepared: 08/15/2016

The NRCC-LTO-02-E shall be used to document all mandatory outdoor lighting controls that are applicable to the project.

A. Mandatory Outdoor Lighting Control Declaration Statements

Check all that apply:

- ☑ Lighting shall be controlled by self-contained lighting control devices which are certified to the Energy Commission according to the Title 20 Appliance Efficiency Regulations in accordance with §110.9(a).
- ☑ Lighting shall be controlled by a lighting control system or energy management control system in accordance with §110.9. An Installation Certificate shall be submitted in accordance with §130.4(b).
- ☑ All lighting controls and equipment shall comply with the applicable requirements in §110.9 and shall be installed in accordance with the manufacturer's instructions in accordance with §130.1
- ☐ Part-Night Outdoor Lighting Controls, as defined in Section 100.1(b), shall meet the requirements in Section 110.9(b)5
- ☐ All outdoor incandescent luminaires rated over 100 watts, determined in accordance with Section 130.0(c), shall be controlled by a motion sensor.
- ☐ All outdoor luminaires rated for use with lamps greater than 150 lamp watts, determined in accordance with Section 130.0(c), shall comply with Backlight, Uplight, and Glare (collectively referred to as "BUG") in accordance with Section 130.2(b)
- ☑ All installed outdoor lighting shall be controlled by a photocontrol or outdoor astronomical time-switch control in accordance with Section 130.2(c)1
- ☑ All installed outdoor lighting shall be circuited and independently controlled from other electrical loads by an automatic scheduling control in accordance with Section 130.2(c)2
- ☑ All installed outdoor lighting, where the bottom of the luminaire is mounted 24 feet or less above the ground, shall be controlled with automatic lighting controls in accordance with Section 130.2(c)3
- ☐ For Outdoor Sales Frontage, Outdoor Sales Lots, and Outdoor Sales Canopies lighting, an automatic lighting control in accordance with Section 130.2(c)4
- ☐ For Building Facade, Ornamental Hardscape and Outdoor Dining lighting, an automatic lighting control in accordance with Section 130.2(c)5
- ☐ Before an occupancy permit is granted for a newly constructed building or area, or a new lighting system serving a building, area, or site is operated for normal use, indoor lighting controls serving the building, area, or site shall be certified as meeting the Acceptance Requirements for Code Compliance in accordance with §130.4.(a). Outdoor lighting controls shall comply with the applicable requirements of Section 130.2(c) and Reference Nonresidential Appendix NA7.8

STATE OF CALIFORNIA
OUTDOOR LIGHTING CONTROLS
CEC-NRCC-LTO-02-E (Revised 05/15) CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-LTO-02-E
Outdoor Lighting Controls	(Page 2 of 3)
Project Name: RANCHO CIENEGA RECREATIONAL SPORTS COMPLEX	Date Prepared: 08/15/2016

B. Mandatory Outdoor Lighting Control Schedule and Field Inspection Checklist

Outdoor Lighting Control Schedule			Standards Complying With (✓ all that apply, or enter 'E' if Exempted)						✓ If Acceptance Test Required	Field Inspector	
A	B	C	D	E	F	G	H	I	J	K	
Location and Application of Luminaires being controlled	Type/ Description of Lighting Control (i.e. motion sensor, photocontrol, outdoor astronomical time-switch control, centralized time-based zone lighting control)	# of Units	§130.2(a)	§130.2(c)1	§130.2(c)2	§130.2(c)3	§130.2(c)4	§130.2(c)5		Pass	Fail
–	–	–		✓	✓					☐	☐
–	–			✓						☐	☐
										☐	☐
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STATE OF CALIFORNIA
OUTDOOR LIGHTING CONTROLS
CEC-NRCC-LTO-02-E (Revised 05/15) CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-LTO-02-E
Outdoor Lighting Controls	(Page 3 of 3)
Project Name: RANCHO CIENEGA RECREATIONAL SPORTS COMPLEX	Date Prepared: 08/15/2016

DOCUMENTATION AUTHOR'S DECLARATION STATEMENT

1. I certify that this Certificate of Compliance documentation is accurate and complete.

Documentation Author Name: VLADIMIR TSIDULKO	Documentation Author Signature:
Company: V&M ELECTRICAL ENGINEERING INC.	Signature Date: 08/15/2016
Address: 3330 BARHAM BLVD. SUITE #204	CEA Certification Identification (if applicable): –
City/State/Zip: LOS ANGELES CALIF., 90068	Phone: 1–323–851–9964

RESPONSIBLE PERSON'S DECLARATION STATEMENT

I certify the following under penalty of perjury, under the laws of the State of California:

1. The information provided on this Certificate of Compliance is true and correct.
2. I am eligible under Division 3 of the Business and Professions Code to accept responsibility for the building design or system design identified on this Certificate of Compliance (responsible designer).
3. The energy features and performance specifications, materials, components, and manufactured devices for the building design or system design identified on this Certificate of Compliance conform to the requirements of Title 24, Part 1 and Part 6 of the California Code of Regulations.
4. The building design features or system design features identified on this Certificate of Compliance are consistent with the information provided on other applicable compliance documents, worksheets, calculations, plans and specifications submitted to the enforcement agency for approval with this building permit application.
5. I will ensure that a completed signed copy of this Certificate of Compliance shall be made available with the building permit(s) issued for the building, and made available to the enforcement agency for all applicable inspections. I understand that a completed signed copy of this Certificate of Compliance is required to be included with the documentation the builder provides to the building owner at occupancy.

Responsible Designer Name: VLADIMIR TSIDULKO	Responsible Designer Signature:
Company: V&M ELECTRICAL ENGINEERING INC.	Date Signed: 08/15/2016
Address: 3330 BARHAM BLVD. SUITE #204	License: #E11834
City/State/Zip: LOS ANGELES CALIF., 90068	Phone: 1–323–851–9964

STATE OF CALIFORNIA
OUTDOOR LIGHTING POWER ALLOWANCES
CEC-NRCC-LTO-03-E (Revised 05/15) CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-LTO-03-E
Outdoor Lighting Power Allowances	(Page 1 of 4)
Project Name: RANCHO CIENEGA RECREATIONAL SPORTS COMPLEX	Date Prepared: 08/15/2016

A. OUTDOOR LIGHTING POWER ALLOWANCE SUMMARY

1. General Hardscape Lighting Power Allowance (Site Total from Section B of NRCC-LTO-03-E)	1.	–
2. Additional Specific "use it or lose it" Lighting Power Allowances listed in each of these cells shall be identical to total allowed watts determined in Section C-1 to C-4 of NRCC-LTO-03-E.		

PER APPLICATION from Section C-1		PER UNIT LENGTH (SALES FRONTAGE) from Section C-2		PER HARDSCAPE AREA (ORNAMENTAL LIGHTING) from Section C-3		PER SPECIFIC AREA from Section C-4.		
	+		+		+		=	2.
3. **Sum Total ALLOWED** Outdoor Lighting Wattage (add rows 1 and 2)								3.

B. GENERAL HARDSCAPE LIGHTING POWER ALLOWANCE FROM TABLE 140.7-A

Area Wattage Allowance (AWA)				Linear Wattage Allowance (LWA)			Initial Wattage Allowance (IWA)	Total General Hardscape Lighting Allowance
A	B	C	D	E	F	G	H	I
Name of area	Illuminated Hardscape Area	AWA Per Square Foot	AWA (B x C)	Perimeter Length of General Hardscape	LPA per Linear Foot	LWA (E x F)	IWA (Watts)	D + G + H
–	–	–	–	–	–	–	–	–
							TOTAL	–

STATE OF CALIFORNIA
OUTDOOR LIGHTING POWER ALLOWANCES
CEC-NRCC-LTO-03-E (Revised 05/15) CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-LTO-03-E
Outdoor Lighting Power Allowances	(Page 4 of 4)
Project Name: RANCHO CIENEGA RECREATIONAL SPORTS COMPLEX	Date Prepared: 08/15/2016

DOCUMENTATION AUTHOR'S DECLARATION STATEMENT

1. I certify that this Certificate of Compliance documentation is accurate and complete.

Documentation Author Name: VLADIMIR TSIDULKO	Documentation Author Signature:
Company: V&M ELECTRICAL ENGINEERING INC.	Signature Date: 08/15/2016
Address: 3330 BARHAM BLVD. SUITE #204	CEA Certification Identification (if applicable): –
City/State/Zip: LOS ANGELES CALIF., 90068	Phone: 1–323–851–9964

RESPONSIBLE PERSON'S DECLARATION STATEMENT

I certify the following under penalty of perjury, under the laws of the State of California:

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2. I am eligible under Division 3 of the Business and Professions Code to accept responsibility for the building design or system design identified on this Certificate of Compliance (responsible designer).
3. The energy features and performance specifications, materials, components, and manufactured devices for the building design or system design identified on this Certificate of Compliance conform to the requirements of Title 24, Part 1 and Part 6 of the California Code of Regulations.
4. The building design features or system design features identified on this Certificate of Compliance are consistent with the information provided on other applicable compliance documents, worksheets, calculations, plans and specifications submitted to the enforcement agency for approval with this building permit application.
5. I will ensure that a completed signed copy of this Certificate of Compliance shall be made available with the building permit(s) issued for the building, and made available to the enforcement agency for all applicable inspections. I understand that a completed signed copy of this Certificate of Compliance is required to be included with the documentation the builder provides to the building owner at occupancy.

Responsible Designer Name: VLADIMIR TSIDULKO	Responsible Designer Signature:
Company: V&M ELECTRICAL ENGINEERING INC.	Date Signed: 08/15/2016
Address: 3330 BARHAM BLVD. SUITE #204	License: #E11834
City/State/Zip: LOS ANGELES CALIF., 90068	Phone: 1–323–851–9964

BUREAU OF ENGINEERING
OFFICIAL RECORD

V & M ELECTRICAL ENGINEERING, INC.
3330 Barham Boulevard, Suite 204
Los Angeles, CA 90068
(323)851–9964 Fax (323)851–0153
E–mail: vme@vmelectrical.com

BUREAU OF ENGINEERING
CITY OF LOS ANGELES

BUILDING NO.

INDEX NO. – RP 300094

NO. REVISIONS: DATE: BY:

BID SET SUBMITTAL

CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS

GARY LEE MOORE, PE, ENV SP CITY ENGINEER
ARCHITECTURAL DIVISION
ENGINEER: VLADIMIR TSIDULKO, PE LIC. NO. E11834 DATE:
DESIGNED BY: V.T.
DRAWN BY: K.G.
CHECKED BY: V.T.
APPROVED BY: MAHMOOD KARIMZADEH, A.I.A., PRINCIPAL ARCHITECT

SHEET TITLE: CONRINUED TITLE 24 CALCULATIONS - OUTDOOR
PROJECT: RANCHO CIENEGA SPORTS COMPLEX
ADDRESS: 5001 RODEO ROAD LOS ANGELES, CA 90016

WORK ORDER NO. E1907694
PLAN FILE NO.
DRAWING NO. G-E3
SHEET OF SHEETS

REVISION DATES (DESIGN STAGE ONLY)

THE CITY OF LOS ANGELES OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF ELECTRONIC COPIES OF THIS PLAN SHEET.

REVISION DATE: 10/24/2016 5:30 PM FILE: Z:\14-018 RANCHO CIENEGA SPORTS COMPLEX\DRAWINGS\REVIT\LINKS-AUTOCAD\BOE_TITLEBLOCK_CD_80PERCENT.DWG

EXISTING POLE #405354M TO BE REMOVED
EXISTING POLE #414246M TO BE REMOVED
EXISTING POLE #414247M TO BE REMOVED
EXISTING POLE #414248M TO BE REMOVED
EXISTING POLE #414249M TO BE REMOVED
EXISTING POLE #414250M TO BE REMOVED
EXISTING POLE #414251M TO BE REMOVED
POLE ON ADJACENT PROPERTY (HIGH SCHOOL)
EXPOSITION BLVD.
EXISTING OVERHEAD LINE TO BE TO BE DISCONNECTED AND REMOVED.
EXISTING OVERHEAD LINE TO BE DISCONNECTED AND REMOVED.
2" C.O. TO TELEPHONE CO. CONNECTION POINT VERIFY EXACT LOCATION AND ROUTING WITH
DUE TO AGE AND VERY POOR CONDITION OF ELECTRICAL EQUIPMENT, IT IS STRONGLY RECOMMENDED THAT ALL ELECTRICAL EQUIPMENT BE REPLACED WITH NEW ELECTRICAL EQUIPOMENT.
EXISTING UNDERGROUND FEEDER TO BE REMOVED.
EXISTING SHACK (SUPPLYING POWER TO BASEBALL FIELD)
EXISTING SWITCHBOARD, 400AMP, 120/240V, 1 PHASE, 3 WIRE METER #MD19-19334 REQUEST DWP TO REMOVE METER AND INSTALL JUMPERS. SERVICE TO BE RE-FEED FROM NEW SINGLE PHASE TRANSFORMER (GROUND MOUNTED) (UNLESS DECISION WILL BE MADE TO REPLACE ALL EXISTING ELECTRICAL EQUIPMENT WITH NEW ELECTRICAL EQUIPMENT)
EXISTING OVERHEAD LINE TO BE TO BE DISCONNECTED AND REMOVED.
EXISTING POLE #119051M TO BE REMOVED
4" RISER TO UNDERGROUND
EXISTING OVERHEAD LINE TO BE DISCONNECTED AND REMOVED.
EXISTING POLE #119052M TO BE REMOVED
EXISTING OVERHEAD LINE TO BE DISCONNECTED AND REMOVED.
DUE TO AGE AND VERY POOR CONDITION OF ELECTRICAL EQUIPMENT, IT IS STRONGLY RECOMMENDED THAT ALL ELECTRICAL EQUIPMENT BE REPLACED WITH NEW ELECTRICAL EQUIPMENT.
EXISTING POLE #39-11-67 TO BE REMOVED
EXISTING SUPPORT STRUCTURE TO BE REMOVED ALONG WITH 2-SINGLE PHASE TRANSFORMERS
EXISTING POLE #39-11-68 TO BE REMOVED
REMOVE TWO CONDUIT DROPS AND TWO WEATHERHEADS.
EXISTING SERVICE 120/240V, 1 PHASE 3 WIRE, 600 AMP METER #PM2D22-200202 REQUEST DWP TO REMOVE METER INSTALL JUMPERS. SERVICE TO BE RE-FEED FROM NEW SERVICE VIA NEW SINGLE PHASE TRANSFORMER (GROUND MOUNTED) (UNLESS DECISION WILL BE MADE TO REPLACE ALL EXISTING ELECTRICAL EQUIPMENT WITH NEW ELECTRICAL EQUIPMENT)
EXISTING SHACK (SUPPLYING POWER TO FOOTBALL FIELD)
TRACK FIELD
EXISTING SWITCHGEAR WITH METER #PMS222-2823 TO TO BE REMOVED DURING GYM BUILDING DEMOLITION WORK. REQUEST DWP TO REMOVE METER.
GYM CLASSROOM OFFICE
TO BE DEMOLISHED
RESTROOM BUILDING
TO BE DEMOLISHED
TO REMAIN
EXISTING SWITCHGEAR WITH DWP METER #PMYD-1222427 TO REMAIN. REQUEST DWP TO REMOVE METER AND INSTALL JUMPERS IF NECESSARY.
UNDERGROUND FEEDER TO BE DISCONNECTED FROM BOTH ENDS AND REMOVED OR ABANDONED.
EXISTING PAD MOUNTED TRANSFORMER TO BE REMOVED BY DWP. 120/208V, 3 PHASE, 4 WIRE, 150 KVA, #56-03-034 N4153
EXISTING ELECTRIC CAR CHARGER TO REMAIN.
EXISTING UNDERGROUND FEEDER TO BE DISCONNECTED FROM BOTH ENDS. PULL OUT EXISTING WIRES. CAP AND ABANDONED CONDUIT.
HIGH VOLTAGE UNDERGROUND FEEDER TO BE DISCONNECTED FROM BOTH ENDS AND REMOVED OR ABANDONED IN PLACE.
EXISTING POOL BUILDING TO BE DEMOLISHED
EXISTING SWITCHGEAR WITH DUAL DWP METERS (DUAL VOLTAGE SYSTEM) TO BE REMOVED DURING POOL BUILDING DEMOLITION WORK. REQUERST DWP TO REMOVE METERS:
#FM19-63059 (120/240V, 1 PHASE)
#APMV219-36033 (240V, 3 PHASE)
EXISTING UNDERGROUND FEEDERS TO BE DISCONNECTED FROM BOTH ENDS. PULL OUT WIRES, CAP AND ABANDON CONDUIT.
4" C. RISER
5"C. RISER
5"C. (SPARE)
DWP POLE #56-3-SC-2
DWP POLE #56-3-51 #390110M
DWP POLE #XP.199-036 #212516M
RODEO ROAD
RODEO

NOTE:

EXISTING ELECTRICAL OVERHEAD SERVICES INCLUDING POLE, WIRE, ETC. SHALL BE REMOVED WHEN NEW ELECTRICAL SYSTEM WILL BE ENERGIZED.

NUMBERED NOTES - (THIS SHEET ONLY)

1. EXISTING WEATHERHEAD TO BE REMOVED.
2. REMOVE OVERHEAD LINE BETWEEN TWO BUILDINGS TO BE DEMOLISHED.
3. EXISTING PARKING LOT POLE LIGHTS TO BE REMOVED AND REPLACED WITH NEW PARKING LIGHTING SYSTEM.

ELECTRICAL SITE PLAN DEMOLITION

SCALE-1" = 50'-0"

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E-mail: vme@vmelectrical.com

BID SET SUBMITTAL

CITY OF LOS ANGELES
DEPARTMENT OF PUBLIC WORKS
GARY LEE MOORE, PE, ENV SP CITY ENGINEER
ARCHITECTURAL DIVISION
ENGINEER: VLADIMIR TSIDULKO, PE LIC. NO. E11834
DESIGNED BY: V.T.
DRAWN BY: K.G.
CHECKED BY: V.T.
APPROVED BY: MAHMOOD KARIMZADEH, A.I.A., PRINCIPAL ARCHITECT
DATE:

BUREAU OF ENGINEERING
ENGINEERING
CITY OF LOS ANGELES
NO. REVISIONS: DATE: BY:
BUILDING NO.
INDEX NO. -

RP 300094

CITY OF LOS ANGELES
VERTICAL CONTROL:
HORIZONTAL CONTROL:
SHEET TITLE: ELECTRICAL SITE PLAN - DEMOLITION
PROJECT: RANCHO CIENEGA SPORTS COMPLEX
ADDRESS: 5001 RODEO ROAD LOS ANGELES, CA 90016

WORK ORDER NO. E1907694
PLAN FILE NO.
DRAWING NO. SDE-1
SHEET OF SHEETS
PLOTTED: —

REVISION DATES (RESERVED SPACE ONLY)

TEMPLATE SHEET REVISION DATE: 062014
REVISION DATE: 10/24/2016 5:30 PM FILE: Z:\14-018 RANCHO CIENEGA SPORTS COMPLEX\DRAWINGS\REVIT\LINKS-AUTOCAD\BOE_TITLEBLOCK_CD_80PERCENT.DWG

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STATE OF CALIFORNIA
INDOOR LIGHTING
CEC-NRCC-LTI-01-E (Revised 05/15) — CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-LTI-01-E
Indoor Lighting	(Page 1 of 6)
Project Name: **RANCHO CIENEGA SPORTS COMPLEX/STADIUM OVERLOOK**	Date Prepared: **08/15/2016**

A. General Information

Climate Zone:	Conditioned Floor Area : **5,119 S.F.**					
	Unconditioned Floor Area :					
Building Type:		☑	Nonresidential	☐	High-Rise Residential	☐ Hotel/Motel
☐ Schools		☐	Relocatable Public Schools	☑	Conditioned Spaces	☐ Unconditioned Spaces
Phase of Construction:		☐	New Construction	☑	Addition	☐ Alteration
Method of Compliance:		☐	Complete Building	☑	Area Category	☐ Tailored
Project Address: –						

B. Lighting Compliance Documents (select yes for each document included)

For detailed instructions on the use of this and all Energy Efficiency Standards compliance documents, refer to the Nonresidential Manual published by the California Energy Commission.

YES	NO	FORM	TITLE
✓		NRCC-LIT-01-E	Certificate of Compliance. All Pages required on plans for all submittals.
✓		NRCC-LIT-02-E	Lighting Controls, Certificate of Compliance, and PAF Calculation. All Pages required on plans for all submittals.
✓		NRCC-LIT-03-E	Indoor Lighting Power Allowance
	✓	NRCC-LIT-04-E	Tailored Method Worksheets
	✓	NRCC-LIT-05-E	Line Voltage Track Lighting Worksheets

STATE OF CALIFORNIA
INDOOR LIGHTING
CEC-NRCC-LTI-01-E (Revised 05/15) — CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-LTI-01-E
Indoor Lighting	(Page 2 of 6)
Project Name: **RANCHO CIENEGA SPORTS COMPLEX/STADIUM OVERLOOK**	Date Prepared: **08/15/2016**

C. Summary of Allowed Lighting Power

Conditioned and Unconditioned space Lighting must not be combined for compliance

	Indoor Lighting Power for Conditioned Spaces		Watts	Indoor Lighting Power for Unconditioned Spaces		Watts
1.	**Installed** Lighting NRCC-LTI-01-E, page 4	+	**936**	**Installed** Lighting NRCC-LTI-01-E, page 4	+	
2.	PORTABLE ONLY FOR OFFICES NRCC-LTI-01-E, page 3	+				
3.	Minus Lighting Control Credits NRCC-LTI-02-E, page 2	-	–	Minus Lighting Control Credits NRCC-LTI-02-E, page 2	-	
4.	Adjusted **Installed** Lighting Power (row 1 plus row 2 minus row 3)	=	–	Adjusted **Installed** Lighting Power (row 1 minus row 3)	=	
5.	Complies ONLY if **Installed** ≤ **Allowed**			Complies ONLY if **Installed** ≤ **Allowed**		
6.	**Allowed** Lighting Power Conditioned NRCC-LTI-03-E, page 1		**4,174**	**Allowed** Lighting Power Unconditioned NRCC-LTI-03-E, page 1		

D. Declaration of Required Installation Certificates

Declare by selecting yes for all Installation Certificates that will be submitted. (Retain copies and verify forms are completed and signed.)

YES	NO	Form/Title	
✓		NRCI-LTI-01-E - Must be submitted for all buildings	☐ Field Inspector
✓		NRCI-LTI-02-E - Must be submitted for a lighting control system, or for an Energy Management Control System (EMCS), to be recognized for compliance.	☐ Field Inspector
	N/A	NRCI-LTI-03-E - Must be submitted for a line-voltage track lighting integral current limiter, or for a supplementary overcurrent protection panel used to energize only line-voltage track lighting, to be recognized for compliance.	☐ Field Inspector
	N/A	NRCI-LTI-04-E - Must be submitted for two interlocked systems serving an auditorium, a convention center, a conference room, a multipurpose room, or a theater to be recognized for compliance.	☐ Field Inspector
	N/A	NRCI-LTI-05-E - Must be submitted for a Power Adjustment Factor (PAF) to be recognized for compliance.	☐ Field Inspector
	N/A	NRCI-LTI-06-E - Must be submitted for additional wattage installed in a video conferencing studio to be recognized for compliance.	☐ Field Inspector

E. Declaration of Required Certificates of Acceptance

Declare by checking all of the Certificates of Acceptance that will be submitted. (Retain copies and verify forms are completed and signed.)

STATE OF CALIFORNIA
INDOOR LIGHTING
CEC-NRCC-LTI-01-E (Revised 05/15) — CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-LTI-01-E
Indoor Lighting	(Page 5 of 6)
Project Name: **RANCHO CIENEGA SPORTS COMPLEX/STADIUM OVERLOOK**	Date Prepared: **08/15/2016**

A separate Lighting Schedule Must Be Filled Out for Conditioned and Unconditioned Spaces. Installed Lighting Power listed on this Lighting Schedule is only for:
☑ **CONDITIONED SPACE** ☐ **UNCONDITIONED SPACE**

C. INDOOR LIGHTING SCHEDULE and FIELD INSPECTION ENERGY CHECKLIST

Luminaire Schedule		Installed Watts					Location	Field Inspector [1]	
A	B	C	D		E	F	G	H	
Name or Item Tag	Complete Luminaire Description (i.e, 3 lamp fluorescent troffer, F32T8, one dimmable electronic ballast)	Watts per Luminaire	How wattage was determined: CEC Default from NRR	How wattage was determined: According to §130.0(c)	Number Luminaires	Total Installed Watts in this area (C x E)	Primary Function area in which these luminaires are installed	Pass	Fail
C	SEE FIXTURE SCHEDULE, SHEET G–E1	25	☐	☑	9	225	CONCESSIONS, PRESSBOX	☐	☐
F	" "	25	☐	☑	11	275	ELECTRICAL ROOM &	☐	☐
G	" "	19	☐	☑	16	304	RESTROOMS BOTH LEVELS	☐	☐
I	" "	30	☐	☑	4	120	TICKET BOOTH	☐	☐
J	" "	4	☐	☑	3	12	STAIRWELL	☐	☐
			☐	☐			–	☐	☐
			☐	☐			–	☐	☐
			☐	☐			–	☐	☐
			☐	☐			–	☐	☐
INSTALLED WATTS PAGE TOTAL:						936	Enter sum total of all pages into NRCC-LTI-01-E; Page 2		

STATE OF CALIFORNIA
INDOOR LIGHTING
CEC-NRCC-LTI-01-E (Revised 05/15) — CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-LTI-01-E
Indoor Lighting	(Page 6 of 6)
Project Name: **RANCHO CIENEGA SPORTS COMPLEX/STADIUM OVERLOOK**	Date Prepared: **08/15/2016**

DOCUMENTATION AUTHOR'S DECLARATION STATEMENT

1. I certify that this Certificate of Compliance documentation is accurate and complete.

Documentation Author Name: **VLADIMIR TSIDULKO**	Documentation Author Signature:
Company: **V&M ELECTRICAL ENGINEERING INC.**	Signature Date: **08/15/2016**
Address: **3330 BARHAM BLVD. SUITE #204**	CEA Certification Identification (if applicable): **–**
City/State/Zip: **LOS ANGELES CALIF., 90068**	Phone: **1–323–851–9964**

RESPONSIBLE PERSON'S DECLARATION STATEMENT

I certify the following under penalty of perjury, under the laws of the State of California:

1. The information provided on this Certificate of Compliance is true and correct.
2. I am eligible under Division 3 of the Business and Professions Code to accept responsibility for the building design or system design identified on this Certificate of Compliance (responsible designer).
3. The energy features and performance specifications, materials, components, and manufactured devices for the building design or system design identified on this Certificate of Compliance conform to the requirements of Title 24, Part 1 and Part 6 of the California Code of Regulations.
4. The building design features or system design features identified on this Certificate of Compliance are consistent with the information provided on other applicable compliance documents, worksheets, calculations, plans and specifications submitted to the enforcement agency for approval with this building permit application.
5. I will ensure that a completed signed copy of this Certificate of Compliance shall be made available with the building permit(s) issued for the building, and made available to the enforcement agency for all applicable inspections. I understand that a completed signed copy of this Certificate of Compliance is required to be included with the documentation the builder provides to the building owner at occupancy.

Responsible Designer Name: **VLADIMIR TSIDULKO**	Responsible Designer Signature:
Company: **V&M ELECTRICAL ENGINEERING INC.**	Date Signed: **08/15/2016**
Address: **3330 BARHAM BLVD. SUITE #204**	License: **#E11834**
City/State/Zip: **LOS ANGELES CALIF., 90068**	Phone: **1–323–851–9964**

INDOOR T-24 STADIUM OVERLOOK

BUREAU OF ENGINEERING
OFFICIAL RECORD

V & M ELECTRICAL ENGINEERING, INC.
3330 Barham Boulevard, Suite 204
Los Angeles, CA 90068
(323)851–9964 Fax (323)851–0153
E–mail: vme@vmelectrical.com

BUREAU OF ENGINEERING
CITY OF LOS ANGELES
ENGINEERING
CITY OF LOS ANGELES

NO. | REVISIONS: | DATE: | BY:

BUILDING NO.

INDEX NO. - RP 300094

BID SET SUBMITTAL

CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS

GARY LEE MOORE, PE, ENV SP CITY ENGINEER
ARCHITECTURAL DIVISION — DATE:
ENGINEER: VLADIMIR TSIDULKO, PE — LIC. NO. E11834
DESIGNED BY: V.T.
DRAWN BY: K.G.
CHECKED BY: V.T.
APPROVED BY: MAHMOOD KARIMZADEH, A.I.A., PRINCIPAL ARCHITECT

VERTICAL CONTROL:
HORIZONTAL CONTROL:
SHEET TITLE: INDOOR T-24 STADIUM OVERLOOK
PROJECT: RANCHO CIENEGA SPORTS COMPLEX
ADDRESS: 5001 RODEO ROAD LOS ANGELES, CA 90016

WORK ORDER NO. E1907694
PLAN FILE NO.
DRAWING NO. E-4
SHEET OF SHEETS

REVISION DATES (DESIGN STAGE ONLY)

THE CITY OF LOS ANGELES OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF ELECTRONIC COPIES OF THIS PLAN SHEET.

REVISION DATE: 10/24/2016 5:30 PM FILE: Z:\14-018 RANCHO CIENEGA SPORTS COMPLEX\DRAWINGS\REVIT\LINKS-AUTOCAD\BOE_TITLEBLOCK_CD_99PERCENT.DWG

STATE OF CALIFORNIA
INDOOR LIGHTING – LIGHTING CONTROLS
CEC-NRCC-LTI-02-E (Revised 05/15) CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-LTI-02-E
Indoor Lighting - Lighting Controls	(Page 1 of 3)
Project Name: RANCHO CIENEGA SPORTS COMPLEX/STADIUM OVERLOOK	Date Prepared: 08/15/2016

The NRCC-LTI-02-E shall be used to document all mandatory and prescriptive lighting controls that are applicable to the project.

A. Mandatory Lighting Control Declaration Statements (Indicate if the measure applies by checking yes or no below.)

YES	NO	Control Requirements
	✓	Lighting shall be controlled by self-contained lighting control devices which are certified to the Energy Commission according to the Title 20 Appliance Efficiency Regulations in accordance with Section 110.9.
✓		Lighting shall be controlled by a lighting control a system or energy management control system in accordance with §110.9. An Installation Certificate shall be submitted in accordance with Section 130.4(b).
	N/A	One or more Track Lighting Integral Current Limiters shall be installed which have been certified to the Energy Commission in accordance with §110.9 and §130.0. Additionally, an Installation Certificate shall be submitted in accordance with Section 130.4(b).
	N/A	A Track Lighting Supplementary Overcurrent Protection Panel shall be installed in accordance with Section 110.9 and Section 130.0. Additionally, an Installation Certificate shall be installed in accordance with Section 130.4(b).
✓		All lighting controls and equipment shall comply with the applicable requirements in §110.9 and shall be installed in accordance with the manufacturer's instructions in accordance with Section 130.1.
✓		All luminaires shall be functionally controlled with manually switched ON and OFF lighting controls in accordance with Section 130.1(a).
	N/A	General lighting shall be separately controlled from all other lighting systems in an area. Floor and wall display, window display, case display, ornamental, and special effects lighting shall each be separately controlled on circuits that are 20 amps or less. When track lighting is used, general, display, ornamental, and special effects lighting shall each be separately controlled, in accordance with Section 130.1(a)4.
✓		The general lighting of any enclosed area 100 square feet or larger, with a connected lighting load that exceeds 0.5 watts per square foot shall meet the multi-level lighting control requirements in accordance with Section 130.1(b).
✓		All installed indoor lighting shall be equipped with controls that meet the applicable Shut-OFF control requirements in Section 130.1(c).
✓		Lighting in all Daylit Zones shall be controlled in accordance with the requirements in Section 130.1(d) and daylit zones are shown on the plans.
	N/A	Lighting power in buildings larger than 10,000 square feet shall be capable of being automatically reduced in response to a Demand Responsive Signal in accordance with Section 130.1(e).
✓		Before an occupancy permit is granted for a newly constructed building or area, or a new lighting system serving a building, area, or site is operated for normal use, indoor lighting controls serving the building, area, or site shall be certified as meeting the Acceptance Requirements for Code Compliance in accordance with Section 130.4(a). The controls required to meet the Acceptance Requirements include automatic daylight controls, automatic shut-OFF controls, and demand responsive controls.

STATE OF CALIFORNIA
INDOOR LIGHTING – LIGHTING CONTROLS
CEC-NRCC-LTI-02-E (Revised 05/15) CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-LTI-02-E
Indoor Lighting - Lighting Controls	(Page 2 of 3)
Project Name: RANCHO CIENEGA SPORTS COMPLEX/STADIUM OVERLOOK	Date Prepared: 08/15/2016

A separate document must be filled out for Conditioned and Unconditioned Spaces. This page is used only for the following:
☑ CONDITIONED SPACES ☐ UNCONDITIONED SPACES

B. Mandatory and Prescriptive Indoor Lighting Control Schedule, PAF Calculation, and Field Inspection Checklist

Lighting Control Schedule			Standards Complying With [1] (✓ all that apply, or enter 'E' if Exempted)							PAF Credit Calculation [2]			✓ If Acceptance Test Required	Field Inspector	
										Controlled Lighting Wattage	PAF	Control Credit (K x L)		Pass	Fail
A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	
Location in Building	Type/ Description of Lighting Control (i.e.: occupancy sensor, automatic time switch, dimmer, automatic daylight, etc...)	# of Units	§130.1(a)	§130.0(b)	§130.1(c)	§130.1(d)	§130.1(e)	§130.1(f)2	§140.6(d)						
OFFICE/CORRIDOR	OFFICE	–	✓							–				☐	☐
TOILETS	OCCUPANCY SENSOR	–		✓						–				☐	☐
TENNIS PROSHOP	–									–				☐	☐
														☐	☐
														☐	☐
														☐	☐
														☐	☐
Control Credit PAGE TOTAL (Sum of Column M):															
IF MULTIPLE PAGES ARE USED, ENTER SUM TOTAL OF Control Credit for all pages HERE (Sum of all Column M):															
													Enter Control Credit total into NRCC-LTI-01-E; Page 1.		

1. §130.1(a) = Manual area controls; §130.0(b) = Multi Level; §130.1(c) = Auto Shut-Off; §130.1(d) = Mandatory Daylight; §130.1(e) = Demand Responsive; §140.6(d) = Additional lighting controls installed to earn a PAF; §140.6(d) = Prescriptive Secondary Sidelit Daylight Controls.
2. Check Table 140.6-A for correct Factor. PAFs shall not be traded between conditioned and unconditioned spaces. As a condition to earn a PAF, an Installation Certificate is also required to be filled out, signed, and submitted.

STATE OF CALIFORNIA
INDOOR LIGHTING – LIGHTING CONTROLS
CEC-NRCC-LTI-02-E (Revised 05/15) CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-LTI-02-E
Indoor Lighting - Lighting Controls	(Page 3 of 3)
Project Name: RANCHO CIENEGA SPORTS COMPLEX/STADIUM OVERLOOK	Date Prepared: 08/15/2016

DOCUMENTATION AUTHOR'S DECLARATION STATEMENT
1. I certify that this Certificate of Compliance documentation is accurate and complete.

Documentation Author Name: VLADIMIR TSIDULKO	Documentation Author Signature:
Company: V&M ELECTRICAL ENGINEERING INC.	Signature Date: 08/15/2016
Address: 3330 BARHAM BLVD. SUITE #204	CEA Certification Identification (if applicable):
City/State/Zip: LOS ANGELES CALIF., 90068	Phone: 1–323–851–9964

RESPONSIBLE PERSON'S DECLARATION STATEMENT
I certify the following under penalty of perjury, under the laws of the State of California:
1. The information provided on this Certificate of Compliance is true and correct.
2. I am eligible under Division 3 of the Business and Professions Code to accept responsibility for the building design or system design identified on this Certificate of Compliance (responsible designer).
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Responsible Designer Name: VLADIMIR TSIDULKO	Responsible Designer Signature:
Company: V&M ELECTRICAL ENGINEERING INC.	Date Signed: 08/15/2016
Address: 3330 BARHAM BLVD. SUITE #204	License: #E11834
City/State/Zip: LOS ANGELES CALIF., 90068	Phone: 1–323–851–9964

STATE OF CALIFORNIA
INDOOR LIGHTING POWER ALLOWANCE
CEC-NRCC-LTI-03-E (Revised 05/15) CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-LTI-03-E
Certificate of Compliance - Indoor Lighting Power Allowance	(Page 1 of 4)
Project Name: RANCHO CIENEGA SPORTS COMPLEX/STADIUM OVERLOOK	Date Prepared: 08/15/2016

A separate page must be filled out for Conditioned and Unconditioned Spaces. This page is only for:
☑ CONDITIONED spaces ☐ UNCONDITIONED spaces

A. SUMMARY TOTALS OF LIGHTING POWER ALLOWANCES
☐ If using Complete Building Method for compliance, use only the total in column (a) as total allowed building watts.
☐ If using Area Category Method, Tailored Method, or a combination of Area Category and Tailored Method for compliance, use only the total in column (b) as the total allowed building watts

	(a)		(b)
1. Complete Building Method Allowed Watts. Documented in section B of NRCC-LTI-03-E (below on this page)			
2. Area Category Method Allowed Watts. Documented in section C-1 of NRCC-LTI-03-E (below on this page)			
3. Tailored Method Allowed Watts. Documented in section A of NRCC-LTI-04-E			
TOTAL ALLOWED BUILDING WATTS. Enter number into correct cell on NRCC-LTI-01, Page 2, Row 1			

☐ Check here if building contains both conditioned and unconditioned areas.

B. COMPLETE BUILDING METHOD LIGHTING POWER ALLOWANCE

1	2		3		4
TYPE OF BUILDING (From §140.6 Table 140.6-B)	WATTS PER (ft^2)	X	COMPLETE BLDG. AREA	=	ALLOWED WATTS
Total Area:					
Total Watts. Enter Total Watts into section A, row 1 (Above on this page)					

C -1 AREA CATEGORY METHOD TOTAL LIGHTING POWER ALLOWANCES (D plus E)	Watts
Total from section C-2 .	
Total from section C-3 .	
Total Watts. Enter Total Watts into section A, row 2 (Above on this page) .	

STATE OF CALIFORNIA
INDOOR LIGHTING POWER ALLOWANCE
CEC-NRCC-LTI-03-E (Revised 05/15) CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-LTI-03-E
Certificate of Compliance - Indoor Lighting Power Allowance	(Page 2 of 4)
Project Name: RANCHO CIENEGA SPORTS COMPLEX/STADIUM OVERLOOK	Date Prepared: 08/15/2016

A separate page must be filled out for Conditioned and Unconditioned Spaces. This page is only for:
☑ CONDITIONED spaces ☐ UNCONDITIONED spaces

C -2 AREA CATEGORY METHOD GENERAL LIGHTING POWER ALLOWANCE
☐ Do not include portable lighting for offices. Portable lighting for offices shall be documented only in section B of NRCC-LTI-01-E.
☑ Separately list lighting for each primary function area as defined in §100.1 of the Standards.

A		B		C		D
AREA CATEGORY (From §140.6 Table 140.6-C)		WATTS				ALLOWED
Location in Building	Primary Function Area per Table 140.6-C	PER (ft^2)	X	AREA (ft^2)	=	WATTS
TOILETS	RESTROOM AREA	0.6		1017		610
TICKET OFFICE/PRESS BOX	OFFICE AREA	1.0		411		411
LOBBY	LOBBY AREA	1.5		635		952
CONCESSIONS	MULTIPURPOSE AREA	1.4		460		644
VIP SEATING/CORRIDOR/STAIRS	CORRIDOR/SUPPORT AREAS	0.6		2,596		1,557
			TOTALS	5,119		
Enter sum total Area Category allowed watts into section C-1 of NRCC-LTI-03-E (this compliance form)						4,174
						WATTS

STATE OF CALIFORNIA
INDOOR LIGHTING POWER ALLOWANCE
CEC-NRCC-LTI-03-E (Revised 05/15) CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-LTI-03-E
Certificate of Compliance - Indoor Lighting Power Allowance	(Page 4 of 4)
Project Name: RANCHO CIENEGA SPORTS COMPLEX/STADIUM OVERLOOK	Date Prepared: 08/15/2016

DOCUMENTATION AUTHOR'S DECLARATION STATEMENT
1. I certify that this Certificate of Compliance documentation is accurate and complete.

Documentation Author Name: VLADIMIR TSIDULKO	Documentation Author Signature:
Company: V&M ELECTRICAL ENGINEERING INC.	Signature Date: 08/15/2016
Address: 3330 BARHAM BLVD. SUITE #204	CEA Certification Identification (if applicable):
City/State/Zip: LOS ANGELES CALIF., 90068	Phone: 1–323–851–9964

RESPONSIBLE PERSON'S DECLARATION STATEMENT
I certify the following under penalty of perjury, under the laws of the State of California:
1. The information provided on this Certificate of Compliance is true and correct.
2. I am eligible under Division 3 of the Business and Professions Code to accept responsibility for the building design or system design identified on this Certificate of Compliance (responsible designer).
3. The energy features and performance specifications, materials, components, and manufactured devices for the building design or system design identified on this Certificate of Compliance conform to the requirements of Title 24, Part 1 and Part 6 of the California Code of Regulations.
4. The building design features or system design features identified on this Certificate of Compliance are consistent with the information provided on other applicable compliance documents, worksheets, calculations, plans and specifications submitted to the enforcement agency for approval with this building permit application.
5. I will ensure that a completed signed copy of this Certificate of Compliance shall be made available with the building permit(s) issued for the building, and made available to the enforcement agency for all applicable inspections. I understand that a completed signed copy of this Certificate of Compliance is required to be included with the documentation the builder provides to the building owner at occupancy.

Responsible Designer Name: VLADIMIR TSIDULKO	Responsible Designer Signature:
Company: V&M ELECTRICAL ENGINEERING INC.	Date Signed: 08/15/2016
Address: 3330 BARHAM BLVD. SUITE #204	License: #E11834
City/State/Zip: LOS ANGELES CALIF., 90068	Phone: 1–323–851–9964

INDOOR T-24 STADIUM OVERLOOK

BUREAU OF ENGINEERING
OFFICIAL RECORD

V & M ELECTRICAL ENGINEERING, INC.
3330 Barham Boulevard, Suite 204
Los Angeles, CA 90068
(323)851–9964 Fax (323)851–0153
E–mail: vme@vmelectrical.com

BUREAU OF ENGINEERING
CITY OF LOS ANGELES
ENGINEERING
CITY OF LOS ANGELES
NO. REVISIONS: DATE: BY:
BUILDING NO.
INDEX NO. - RP 300094
CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS
BID SET SUBMITTAL
GARY LEE MOORE, PE, ENV SP CITY ENGINEER
ENGINEER: VLADIMIR TSIDULKO, PE LIC. NO. E11834
ARCHITECTURAL DIVISION
DESIGNED BY: V.T.
DRAWN BY: K.G.
CHECKED BY: V.T.
APPROVED BY: MAHMOOD KARIMZADEH, A.I.A., PRINCIPAL ARCHITECT
VERTICAL CONTROL:
HORIZONTAL CONTROL:
SHEET TITLE: INDOOR T-24 STADIUM
PROJECT: RANCHO CIENEGA SPORTS COMPLEX
ADDRESS: 5001 RODEO ROAD LOS ANGELES, CA 90016
WORK ORDER NO. E1907694
PLAN FILE NO.
DRAWING NO. E-5
SHEET OF SHEETS

THE CITY OF LOS ANGELES OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF ELECTRONIC COPIES OF THIS PLAN SHEET.
FILE: Z:\14-016 RANCHO CIENEGA SPORTS COMPLEX\DRAWINGS\REVIT\LINKS-AUTOCAD\ROE_TITLEBLOCK_CD_30PERCENT.DWG
REVISION DATE: 10/24/2016 5:30 PM
REVISION DATES (DESIGN STAGE ONLY)

STATE OF CALIFORNIA
Electrical Power Distribution
CEC-NRCC-ELC-01-E (Revised 05/15) CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-ELC-01-E
Electrical Power Distribution	(Page 1 of 7)
Project Name: RANCHO CIENEGA RECREATIONAL SPORTS COMPLEX	Date Prepared: 08/15/2016

A. General Information

Project Address: 5001 RODEO ROAD LOS ANGELES, CALIF., 90016		Climate Zone:	Conditioned Floor Area : Unconditioned Floor Area :
Building Type:	☑ Nonresidential	☐ High-Rise Residential	☐ Hotel/Motel
☐ Schools	☐ Relocatable Public Schools	☐ Conditioned Spaces	☐ Unconditioned Spaces
Phase of Construction:	☐ New Construction	☐ Addition	☐ Alteration

STATE OF CALIFORNIA
Electrical Power Distribution
CEC-NRCC-ELC-01-E (Revised 05/15) CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-ELC-01-E
Electrical Power Distribution	(Page 2 of 7)
Project Name: RANCHO CIENEGA RECREATIONAL SPORTS COMPLEX	Date Prepared: 08/15/2016

B. Electrical Service Metering

☐ Each newly installed electrical service (in both existing and newly constructed buildings) is required to be metered, as set out in Table 130.5-A, which is reproduced below.
☐ Fill out a separate line for each electrical service that is connected to the building.

Electrical Service Schedule	Electrical Service Rating	Metering Capabilities (check all that are present)					Field Inspector	
A	B	C	D	E	F	G		
Designation/location in building/description	kVA	Instantaneous (at the time) kW demand	Historical peak demand (kW)	Resettable kWh	kWh per rate period	Pass	Fail
–	–	☑	☐	☑	☐	☐	☐
		☐	☐	☐

STATE OF CALIFORNIA
INDOOR LIGHTING
CEC-NRCC-LTI-01-E (Revised 05/15) — CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-LTI-01-E
Indoor Lighting	(Page 1 of 6)
Project Name: **RANCHO CIENEGA SPORTS COMPLEX/GYMNASIUM**	Date Prepared: **08/15/2016**

A. General Information

Climate Zone:	Conditioned Floor Area : **19,871 SF**				
	Unconditioned Floor Area :				
Building Type:	☑ Nonresidential	☐ High-Rise Residential	☐ Hotel/Motel		
☐ Schools	☐ Relocatable Public Schools	☑ Conditioned Spaces	☐ Unconditioned Spaces		
Phase of Construction:	☐ New Construction	☑ Addition	☐ Alteration		
Method of Compliance:	☐ Complete Building	☑ Area Category	☐ Tailored		

Project Address: **5001 RODEO ROAD, LOS ANGELES, CA 90016**

B. Lighting Compliance Documents (select yes for each document included)

For detailed instructions on the use of this and all Energy Efficiency Standards compliance documents, refer to the Nonresidential Manual published by the California Energy Commission.

YES	NO	FORM	TITLE
✓		NRCC-LIT-01-E	Certificate of Compliance. All Pages required on plans for all submittals.
✓		NRCC-LIT-02-E	Lighting Controls, Certificate of Compliance, and PAF Calculation. All Pages required on plans for all submittals.
✓		NRCC-LIT-03-E	Indoor Lighting Power Allowance
	✓	NRCC-LIT-04-E	Tailored Method Worksheets
	✓	NRCC-LIT-05-E	Line Voltage Track Lighting Worksheets

STATE OF CALIFORNIA
INDOOR LIGHTING
CEC-NRCC-LTI-01-E (Revised 05/15) — CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-LTI-01-E
Indoor Lighting	(Page 2 of 6)
Project Name: **RANCHO CIENEGA SPORTS COMPLEX/GYMNASIUM**	Date Prepared: **08/15/2016**

C. Summary of Allowed Lighting Power

Conditioned and Unconditioned space Lighting must not be combined for compliance

	Indoor Lighting Power for Conditioned Spaces		Watts	Indoor Lighting Power for Unconditioned Spaces		Watts
1.	**Installed** Lighting NRCC-LTI-01-E, page 4	+	---	**Installed** Lighting NRCC-LTI-01-E, page 4	+	
2.	PORTABLE ONLY FOR OFFICES NRCC-LTI-01-E, page 3	+				
3.	Minus Lighting Control Credits NRCC-LTI-02-E, page 2	-		Minus Lighting Control Credits NRCC-LTI-02-E, page 2	-	
4.	Adjusted **Installed** Lighting Power (row 1 plus row 2 minus row 3)	=	---	Adjusted **Installed** Lighting Power (row 1 minus row 3)	=	
5.	Complies ONLY if **Installed** ≤ **Allowed**			Complies ONLY if **Installed** ≤ **Allowed**		
6.	**Allowed** Lighting Power Conditioned NRCC-LTI-03-E, page 1		---	**Allowed** Lighting Power Unconditioned NRCC-LTI-03-E, page 1		

D. Declaration of Required Installation Certificates

Declare by selecting yes for all Installation Certificates that will be submitted. (Retain copies and verify forms are completed and signed.)

YES	NO	Form/Title	
✓		NRCI-LTI-01-E - Must be submitted for all buildings	☐ Field Inspector
✓		NRCI-LTI-02-E - Must be submitted for a lighting control system, or for an Energy Management Control System (EMCS), to be recognized for compliance.	☐ Field Inspector
	N/A	NRCI-LTI-03-E - Must be submitted for a line-voltage track lighting integral current limiter, or for a supplementary overcurrent protection panel used to energize only line-voltage track lighting, to be recognized for compliance.	☐ Field Inspector
	N/A	NRCI-LTI-04-E - Must be submitted for two interlocked systems serving an auditorium, a convention center, a conference room, a multipurpose room, or a theater to be recognized for compliance.	☐ Field Inspector
	N/A	NRCI-LTI-05-E - Must be submitted for a Power Adjustment Factor (PAF) to be recognized for compliance.	☐ Field Inspector
	N/A	NRCI-LTI-06-E - Must be submitted for additional wattage installed in a video conferencing studio to be recognized for compliance.	☐ Field Inspector

E. Declaration of Required Certificates of Acceptance

Declare by checking all of the Certificates of Acceptance that will be submitted. (Retain copies and verify forms are completed and signed.)

STATE OF CALIFORNIA
INDOOR LIGHTING
CEC-NRCC-LTI-01-E (Revised 05/15) — CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-LTI-01-E
Indoor Lighting	(Page 5 of 6)
Project Name: **RANCHO CIENEGA SPORTS COMPLEX/GYMNASIUM**	Date Prepared: **08/15/2016**

A separate Lighting Schedule Must Be Filled Out for Conditioned and Unconditioned Spaces. Installed Lighting Power listed on this Lighting Schedule is only for:
☑ **CONDITIONED SPACE** ☐ **UNCONDITIONED SPACE**

C. INDOOR LIGHTING SCHEDULE and FIELD INSPECTION ENERGY CHECKLIST

Luminaire Schedule		Installed Watts					Location	Field Inspector [1]	
A	B	C	D		E	F	G	H	
Name or Item Tag	Complete Luminaire Description (i.e, 3 lamp fluorescent troffer, F32T8, one dimmable electronic ballast)	Watts per luminaire	How wattage was determined: CEC Default from NA8	How wattage was determined: According to §130(c)	Number luminaires	Total installed Watts in this area (C x E)	Primary Function area in which these luminaires are installed	Pass	Fail
A	SEE FIXTURE SCHEDULE SHEET G-E1	220	☐	☑	35	7700	GYMNASIUM	☐	☐
C	"	25	☐	☑	35	875	OFFICE/CLASSROOM/BLEACHERS	☐	☐
E	"	48	☐	☑	21	1008	LOBBY	☐	☐
F	"	25	☐	☑	12	300	STORAGE/ELECT.ROOM	☐	☐
G	"	19	☐	☑	57	1083	TOILETS/MEZZINE FOYER	☐	☐
J	"	4	☐	☑	2	8	STAIRS	☐	☐
			☐	☐				☐	☐
			☐	☐				☐	☐
			☐	☐				☐	☐
					INSTALLED WATTS PAGE TOTAL:	10,974	Enter sum total of all pages into NRCC-LTI-03-E; Page 2		

STATE OF CALIFORNIA
INDOOR LIGHTING
CEC-NRCC-LTI-01-E (Revised 05/15) — CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-LTI-01-E
Indoor Lighting	(Page 6 of 6)
Project Name: **RANCHO CIENEGA SPORTS COMPLEX/GYMNASIUM**	Date Prepared: **08/15/2016**

DOCUMENTATION AUTHOR'S DECLARATION STATEMENT

1. I certify that this Certificate of Compliance documentation is accurate and complete.

Documentation Author Name: **VLADIMIR TSIDULKO**	Documentation Author Signature:
Company: **V&M ELECTRICAL ENGINEERING INC.**	Signature Date: **08/15/2016**
Address: **3330 BARHAM BLVD. SUITE #204**	CEA Certification Identification (if applicable): **-**
City/State/Zip: **LOS ANGELES CALIF., 90068**	Phone: **1-323-851-9964**

RESPONSIBLE PERSON'S DECLARATION STATEMENT

I certify the following under penalty of perjury, under the laws of the State of California:

1. The information provided on this Certificate of Compliance is true and correct.
2. I am eligible under Division 3 of the Business and Professions Code to accept responsibility for the building design or system design identified on this Certificate of Compliance (responsible designer).
3. The energy features and performance specifications, materials, components, and manufactured devices for the building design or system design identified on this Certificate of Compliance conform to the requirements of Title 24, Part 1 and Part 6 of the California Code of Regulations.
4. The building design features or system design features identified on this Certificate of Compliance are consistent with the information provided on other applicable compliance documents, worksheets, calculations, plans and specifications submitted to the enforcement agency for approval with this building permit application.
5. I will ensure that a completed signed copy of this Certificate of Compliance shall be made available with the building permit(s) issued for the building, and made available to the enforcement agency for all applicable inspections. I understand that a completed signed copy of this Certificate of Compliance is required to be included with the documentation the builder provides to the building owner at occupancy.

Responsible Designer Name: **VLADIMIR TSIDULKO**	Responsible Designer Signature:
Company: **V&M ELECTRICAL ENGINEERING INC.**	Date Signed: **08/15/2016**
Address: **3330 BARHAM BLVD. SUITE #204**	License: **#E11834**
City/State/Zip: **LOS ANGELES CALIF., 90068**	Phone: **1-323-851-9964**

INDOOR T-24 GYMNASIUM

BUREAU OF ENGINEERING
OFFICIAL RECORD

V & M ELECTRICAL ENGINEERING, INC.
3330 Barham Boulevard, Suite 204
Los Angeles, CA 90068
(323)851-9964 Fax (323)851-0153
E-mail: vme@vmelectrical.com

BUREAU OF ENGINEERING
CITY OF LOS ANGELES
ENGINEERING
CITY OF LOS ANGELES
DEPARTMENT OF PUBLIC WORKS
BID SET SUBMITTAL

NO. | REVISIONS: | DATE: | BY:

BUILDING NO.
INDEX NO. - RP 300094

VERTICAL CONTROL:
HORIZONTAL CONTROL:

SHEET TITLE: INDOOR T-24 GYMNASIUM
PROJECT: RANCHO CIENEGA SPORTS COMPLEX
ADDRESS: 5001 RODEO ROAD LOS ANGELES, CA 90016

GARY LEE MOORE, PE, ENV SP CITY ENGINEER
ARCHITECTURAL DIVISION
LIC. NO. E11834
DATE:
ENGINEER: VLADIMIR TSIDULKO, PE
DESIGNED BY: V.T.
DRAWN BY: K.G.
CHECKED BY: V.T.
APPROVED BY: MAHMOOD KARIMZADEH, A.I.A., PRINCIPAL ARCHITECT

WORK ORDER NO. E1907694
PLAN FILE NO.
DRAWING NO. E-7
SHEET 1 OF SHEETS

THE CITY OF LOS ANGELES OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF ELECTRONIC COPIES OF THIS PLAN SHEET.

REVISION DATE: 10/24/2016 5:30 PM FILE: Z:\14-018 RANCHO CIENEGA SPORTS COMPLEX\DRAWINGS\REVITLINKS-AUTOCAD\BOE_TITLEBLOCK_CD_99PERCENT.DWG

REVISION DATES (DESIGN STAGE ONLY)

STATE OF CALIFORNIA
INDOOR LIGHTING – LIGHTING CONTROLS
CEC-NRCC-LTI-02-E (Revised 05/15) CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-LTI-02-E
Indoor Lighting - Lighting Controls	(Page 1 of 3)
Project Name: RANCHO CIENEGA SPORTS COMPLEX/GYMNASIUM	Date Prepared: 08/15/2016

The NRCC-LTI-02-E shall be used to document all mandatory and prescriptive lighting controls that are applicable to the project.

A. Mandatory Lighting Control Declaration Statements (Indicate if the measure applies by checking yes or no below.)

YES	NO	Control Requirements
	✓	Lighting shall be controlled by self-contained lighting control devices which are certified to the Energy Commission according to the Title 20 Appliance Efficiency Regulations in accordance with Section 110.9.
✓		Lighting shall be controlled by a lighting control a system or energy management control system in accordance with §110.9. An Installation Certificate shall be submitted in accordance with Section 130.4(b).
	N/A	One or more Track Lighting Integral Current Limiters shall be installed which have been certified to the Energy Commission in accordance with §110.9 and §130.0. Additionally, an Installation Certificate shall be submitted in accordance with Section 130.4(b).
	N/A	A Track Lighting Supplementary Overcurrent Protection Panel shall be installed in accordance with Section 110.9 and Section 130.0. Additionally, an Installation Certificate shall be installed in accordance with Section 130.4(b).
✓		All lighting controls and equipment shall comply with the applicable requirements in §110.9 and shall be installed in accordance with the manufacturer's instructions in accordance with Section 130.1.
✓		All luminaires shall be functionally controlled with manually switched ON and OFF lighting controls in accordance with Section 130.1(a).
	N/A	General lighting shall be separately controlled from all other lighting systems in an area. Floor and wall display, window display, case display, ornamental, and special effects lighting shall each be separately controlled on circuits that are 20 amps or less. When track lighting is used, general, display, ornamental, and special effects lighting shall each be separately controlled; in accordance with Section 130.1(a)4.
✓		The general lighting of any enclosed area 100 square feet or larger, with a connected lighting load that exceeds 0.5 watts per square foot shall meet the multi-level lighting control requirements in accordance with Section 130.1(b).
✓		All installed indoor lighting shall be equipped with controls that meet the applicable Shut-OFF control requirements in Section 130.1(c).
✓		Lighting in all Daylit Zones shall be controlled in accordance with the requirements in Section 130.1(d) and daylit zones are shown on the plans.
	N/A	Lighting power in buildings larger than 10,000 square feet shall be capable of being automatically reduced in response to a Demand Responsive Signal in accordance with Section 130.1(e).
✓		Before an occupancy permit is granted for a newly constructed building or area, or a new lighting system serving a building, area, or site is operated for normal use, indoor lighting controls serving the building, area, or site shall be certified as meeting the Acceptance Requirements for Code Compliance in accordance with Section 130.4.(a). The controls required to meet the Acceptance Requirements include automatic daylight controls, automatic shut-OFF controls, and demand responsive controls.

STATE OF CALIFORNIA
INDOOR LIGHTING – LIGHTING CONTROLS
CEC-NRCC-LTI-02-E (Revised 05/15) CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-LTI-02-E
Indoor Lighting - Lighting Controls	(Page 2 of 3)
Project Name: RANCHO CIENEGA SPORTS COMPLEX/GYMNASIUM	Date Prepared: 08/15/2016

A separate document must be filled out for Conditioned and Unconditioned Spaces. This page is used only for the following:
☑ CONDITIONED SPACES ☐ UNCONDITIONED SPACES

B. Mandatory and Prescriptive Indoor Lighting Control Schedule, PAF Calculation, and Field Inspection Checklist

Lighting Control Schedule			Standards Complying With [1] (✓ all that apply, or enter 'E' if Exempted)							PAF Credit Calculation [2]			✓ If Acceptance Test Required	Field Inspector	
										Controlled Lighting Wattage	PAF	Control Credit (K x L)		Pass	Fail
A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	
Location in Building	Type/ Description of Lighting Control (i.e.: occupancy sensor, automatic time switch, dimmer, automatic daylight, etc...)	# of Units	§130.1(a)	§130.0(b)	§130.1(c)	§130.1(d)	§130.1(e)	§130.1(f)4A2	§140.6(d)2						
MAIN/IT ELECT. ROOMS	–	–	✓							–				☐	☐
RESTROOMS	OCCUPANCY SENSOR	–		✓						–				☐	☐
MEZZANINE FOYER	–									–				☐	☐
DIRECTOR/STAFF OFFICE	–													☐	☐
CLASSROOM														☐	☐
														☐	☐
														☐	☐
Control Credit PAGE TOTAL (Sum of Column M):															
IF MULTIPLE PAGES ARE USED, ENTER SUM TOTAL OF Control Credit for all pages HERE (Sum of all Column M):															
													Enter Control Credit total into NRCC-LTI-01-E; Page 1.		

1. §130.1(a) = Manual area controls; §130.0(b) = Multi Level; §130.1(c) = Auto Shut-Off; §130.1(d) = Mandatory Daylight; §130.1(e) = Demand Responsive; §140.6(d) = Additional lighting controls installed to earn a PAF; §140.6(d) = Prescriptive Secondary Sidelit Daylight Controls.
2. Check Table 140.6-A for correct Factor. PAFs shall not be traded between conditioned and unconditioned spaces. As a condition to earn a PAF, an Installation Certificate is also required to be filled out, signed, and submitted.

STATE OF CALIFORNIA
INDOOR LIGHTING – LIGHTING CONTROLS
CEC-NRCC-LTI-02-E (Revised 05/15) CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-LTI-02-E
Indoor Lighting - Lighting Controls	(Page 3 of 3)
Project Name: RANCHO CIENEGA SPORTS COMPLEX/GYMNASIUM	Date Prepared: 08/15/2016

DOCUMENTATION AUTHOR'S DECLARATION STATEMENT
1. I certify that this Certificate of Compliance documentation is accurate and complete.

Documentation Author Name: VLADIMIR TSIDULKO	Documentation Author Signature:
Company: V&M ELECTRICAL ENGINEERING INC.	Signature Date: 08/15/2016
Address: 3330 BARHAM BLVD. SUITE #204	CEA Certification Identification (if applicable):
City/State/Zip: LOS ANGELES CALIF., 90068	Phone: 1–323–851–9964

RESPONSIBLE PERSON'S DECLARATION STATEMENT
I certify the following under penalty of perjury, under the laws of the State of California:
1. The information provided on this Certificate of Compliance is true and correct.
2. I am eligible under Division 3 of the Business and Professions Code to accept responsibility for the building design or system design identified on this Certificate of Compliance (responsible designer).
3. The energy features and performance specifications, materials, components, and manufactured devices for the building design or system design identified on this Certificate of Compliance conform to the requirements of Title 24, Part 1 and Part 6 of the California Code of Regulations.
4. The building design features or system design features identified on this Certificate of Compliance are consistent with the information provided on other applicable compliance documents, worksheets, calculations, plans and specifications submitted to the enforcement agency for approval with this building permit application.
5. I will ensure that a completed signed copy of this Certificate of Compliance shall be made available with the building permit(s) issued for the building, and made available to the enforcement agency for all applicable inspections. I understand that a completed signed copy of this Certificate of Compliance is required to be included with the documentation the builder provides to the building owner at occupancy.

Responsible Designer Name: VLADIMIR TSIDULKO	Responsible Designer Signature:
Company: V&M ELECTRICAL ENGINEERING INC.	Date Signed: 08/15/2016
Address: 3330 BARHAM BLVD. SUITE #204	License: #E11834
City/State/Zip: LOS ANGELES CALIF., 90068	Phone: 1–323–851–9964

STATE OF CALIFORNIA
INDOOR LIGHTING POWER ALLOWANCE
CEC-NRCC-LTI-03-E (Revised 05/15) CALIFORNIA ENERGY COMMISSION

Certificate of Compliance - Indoor Lighting Power Allowance	NRCC-LTI-03-E
	(Page 1 of 4)
Project Name: RANCHO CIENEGA SPORTS COMPLEX/GYMNASIUM	Date Prepared: 08/15/2016

A separate page must be filled out for Conditioned and Unconditioned Spaces. This page is only for:
☑ CONDITIONED spaces ☐ UNCONDITIONED spaces

A. SUMMARY TOTALS OF LIGHTING POWER ALLOWANCES
☐ If using Complete Building Method for compliance, use only the total in column (a) as total allowed building watts.
☐ If using Area Category Method, Tailored Method, or a combination of Area Category and Tailored Method for compliance, use only the total in column (b) as the total allowed building watts

	(a)		(b)
1. Complete Building Method Allowed Watts. Documented in section B of NRCC-LTI-03-E (below on this page)			
2. Area Category Method Allowed Watts. Documented in section C-1 of NRCC-LTI-03-E (below on this page)			
3. Tailored Method Allowed Watts. Documented in section A of NRCC-LTI-04-E			
TOTAL ALLOWED BUILDING WATTS. Enter number into correct cell on NRCC-LTI-01, Page 2, Row 1			

☐ Check here if building contains both conditioned and unconditioned areas.

B. COMPLETE BUILDING METHOD LIGHTING POWER ALLOWANCE

1	2		3		4
TYPE OF BUILDING (From §140.6 Table 140.6-B)	WATTS PER (ft^2)	X	COMPLETE BLDG. AREA	=	ALLOWED WATTS
Total Area:					
Total Watts. Enter Total Watts into section A, row 1 (Above on this page)					

C -1 AREA CATEGORY METHOD TOTAL LIGHTING POWER ALLOWANCES (D plus E)	Watts
Total from section C-2 .	
Total from section C-3 .	
Total Watts. Enter Total Watts into section A, row 2 (Above on this page) .	

STATE OF CALIFORNIA
INDOOR LIGHTING POWER ALLOWANCE
CEC-NRCC-LTI-03-E (Revised 05/15) CALIFORNIA ENERGY COMMISSION

Certificate of Compliance - Indoor Lighting Power Allowance	NRCC-LTI-03-E
	(Page 2 of 4)
Project Name: RANCHO CIENEGA SPORTS COMPLEX/GYMNASIUM	Date Prepared: 08/15/2016

A separate page must be filled out for Conditioned and Unconditioned Spaces. This page is only for:
☑ CONDITIONED spaces ☐ UNCONDITIONED spaces

C -2 AREA CATEGORY METHOD GENERAL LIGHTING POWER ALLOWANCE
☐ Do not include portable lighting for offices. Portable lighting for offices shall be documented only in section B of NRCC-LTI-01-E.
☑ Separately list lighting for each primary function area as defined in §100.1 of the Standards.

A		B		C		D
AREA CATEGORY (From §140.6 Table 140.6-C)		WATTS				ALLOWED
Location in Building	Primary Function Area per Table 140.6-C	PER (ft^2)	X	AREA (ft^2)	=	WATTS
TOILETS/STAIRS/MEZZ. FOYER	RESTROOM, STAIRS, SUPPORT AREA	0.6		1857		1114
IT/ELECTRICAL RM/STORAGE	ELECTRICAL ROOM/STORAGE	0.7		847		593
GYMNASIUM/BLEACHERS	GYMNASIUM AREA	1.0		13917		13917
LOBBY/CHECK–IN/INDOOR WAKING	LOBBY AREA	1.5		2502		3753
OFFICES	OFFICE AREA	0.75		426		319
CLASSROOM	GYMNASIUM AREA	1.2		367		440
				TOTALS		19,916
Enter sum total Area Category allowed watts into section C-1 of NRCC-LTI-03-E (this compliance form)						20,136
						WATTS

STATE OF CALIFORNIA
INDOOR LIGHTING POWER ALLOWANCE
CEC-NRCC-LTI-03-E (Revised 05/15) CALIFORNIA ENERGY COMMISSION

Certificate of Compliance - Indoor Lighting Power Allowance	NRCC-LTI-03-E
	(Page 4 of 4)
Project Name: RANCHO CIENEGA SPORTS COMPLEX	Date Prepared: 08/15/2016

DOCUMENTATION AUTHOR'S DECLARATION STATEMENT
1. I certify that this Certificate of Compliance documentation is accurate and complete.

Documentation Author Name: VLADIMIR TSIDULKO	Documentation Author Signature:
Company: V&M ELECTRICAL ENGINEERING INC.	Signature Date: 12/8/15
Address: 3330 BARHAM BLVD. SUITE #204	CEA Certification Identification (if applicable):
City/State/Zip: LOS ANGELES CALIF., 90068	Phone: 1–323–851–9964

RESPONSIBLE PERSON'S DECLARATION STATEMENT
I certify the following under penalty of perjury, under the laws of the State of California:
1. The information provided on this Certificate of Compliance is true and correct.
2. I am eligible under Division 3 of the Business and Professions Code to accept responsibility for the building design or system design identified on this Certificate of Compliance (responsible designer).
3. The energy features and performance specifications, materials, components, and manufactured devices for the building design or system design identified on this Certificate of Compliance conform to the requirements of Title 24, Part 1 and Part 6 of the California Code of Regulations.
4. The building design features or system design features identified on this Certificate of Compliance are consistent with the information provided on other applicable compliance documents, worksheets, calculations, plans and specifications submitted to the enforcement agency for approval with this building permit application.
5. I will ensure that a completed signed copy of this Certificate of Compliance shall be made available with the building permit(s) issued for the building, and made available to the enforcement agency for all applicable inspections. I understand that a completed signed copy of this Certificate of Compliance is required to be included with the documentation the builder provides to the building owner at occupancy.

Responsible Designer Name: VLADIMIR TSIDULKO	Responsible Designer Signature:
Company: V&M ELECTRICAL ENGINEERING INC.	Date Signed: 08/15/2016
Address: 3330 BARHAM BLVD. SUITE #204	License: #E11834
City/State/Zip: LOS ANGELES CALIF., 90068	Phone: 1–323–851–9964

INDOOR T-24 GYMNASIUM

BUREAU OF ENGINEERING
OFFICIAL RECORD

V & M ELECTRICAL ENGINEERING, INC.
3330 Barham Boulevard, Suite 204
Los Angeles, CA 90068
(323)851–9964 Fax (323)851–0153
E–mail: vme@vmelectrical.com

BUREAU OF ENGINEERING
CITY OF LOS ANGELES

NO. REVISIONS: DATE: BY:

BUILDING NO.
INDEX NO. - RP 300094

CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS
BID SET SUBMITTAL

GARY LEE MOORE, PE, ENV SP CITY ENGINEER
ENGINEER: VLADIMIR TSIDULKO, PE LIC. NO. E11834
ARCHITECTURAL DIVISION
DESIGNED BY: V.T.
DRAWN BY: K.G.
CHECKED BY: V.T.
APPROVED BY: MAHMOOD KARIMZADEH, A.I.A., PRINCIPAL ARCHITECT

VERTICAL CONTROL:
HORIZONTAL CONTROL:
SHEET TITLE: INDOOR T-24 GYMNASIUM
PROJECT: RANCHO CIENEGA SPORTS COMPLEX
ADDRESS: 5001 RODEO ROAD LOS ANGELES, CA 90016

WORK ORDER NO. E1907694
PLAN FILE NO.
DRAWING NO. E-8
SHEET 2 OF SHEETS

REVISION DATES (DESIGN STAGE ONLY)
REVISION DATE: 10/24/2016 5:30 PM FILE: Z:\14-016 RANCHO CIENEGA SPORTS COMPLEX\DRAWINGS\REVITLINKS-AUTOCAD\ROE_TITLEBLOCK_CD_30PERCENT.DWG
THE CITY OF LOS ANGELES OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF ELECTRONIC COPIES OF THIS PLAN SHEET.

STATE OF CALIFORNIA
Electrical Power Distribution
CEC-NRCC-ELC-01-E (Revised 05/15) CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-ELC-01-E
Electrical Power Distribution	(Page 1 of 7)
Project Name: **RANCHO CIENEGA SPORTS COMPLEX/GYMNASIUM**	Date Prepared: **08/15/2016**

A. General Information

Project Address:		Climate Zone:	Conditioned Floor Area :
			Unconditioned Floor Area :
Building Type:	☐ Nonresidential	☐ High-Rise Residential	☐ Hotel/Motel
☐ Schools	☐ Relocatable Public Schools	☐ Conditioned Spaces	☐ Unconditioned Spaces
Phase of Construction:	☐ New Construction	☐ Addition	☐ Alteration

STATE OF CALIFORNIA
Electrical Power Distribution
CEC-NRCC-ELC-01-E (Revised 05/15) CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-ELC-01-E
Electrical Power Distribution	(Page 2 of 7)
Project Name: **RANCHO CIENEGA SPORTS COMPLEX/GYMNASIUM**	Date Prepared: **08/15/2016**

B. Electrical Service Metering

☐ Each newly installed electrical service (in both existing and newly constructed buildings) is required to be metered, as set out in Table 130.5-A, which is reproduced below.
☐ Fill out a separate line for each electrical service that is connected to the building.

Electrical Service Schedule	Electrical Service Rating	Metering Capabilities (check all that are present)				Field Inspector	
		C	D	E	F	G	
Designation/location in building/description	kVA	Instantaneous kW demand (at the time)	Historical peak demand (kW)	Resettable kWh	kWh per rate period	Pass	Fail
		☐	☐	☐	☐	☐	☐

STATE OF CALIFORNIA
INDOOR LIGHTING
CEC-NRCC-LTI-01-E (Revised 05/15) — CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-LTI-01-E
Indoor Lighting	(Page 1 of 6)
Project Name: **RANCHO CIENEGA SPORTS COMPLEX/POOL BLDG.**	Date Prepared: **08/15/2016**

A. General Information

Climate Zone:	Conditioned Floor Area : **24,674 SF**					
	Unconditioned Floor Area :					
Building Type:		☑	Nonresidential	☐	High-Rise Residential	☐ Hotel/Motel
☐ Schools		☐	Relocatable Public Schools	☑	Conditioned Spaces	☐ Unconditioned Spaces
Phase of Construction:		☐	New Construction	☑	Addition	☐ Alteration
Method of Compliance:		☐	Complete Building	☑	Area Category	☐ Tailored
Project Address: –						

B. Lighting Compliance Documents (select yes for each document included)

For detailed instructions on the use of this and all Energy Efficiency Standards compliance documents, refer to the Nonresidential Manual published by the California Energy Commission.

YES	NO	FORM	TITLE
✓		NRCC-LIT-01-E	Certificate of Compliance. All Pages required on plans for all submittals.
✓		NRCC-LIT-02-E	Lighting Controls, Certificate of Compliance, and PAF Calculation. All Pages required on plans for all submittals.
✓		NRCC-LIT-03-E	Indoor Lighting Power Allowance
	✓	NRCC-LIT-04-E	Tailored Method Worksheets
	✓	NRCC-LIT-05-E	Line Voltage Track Lighting Worksheets

STATE OF CALIFORNIA
INDOOR LIGHTING
CEC-NRCC-LTI-01-E (Revised 05/15) — CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-LTI-01-E
Indoor Lighting	(Page 2 of 6)
Project Name: **RANCHO CIENEGA SPORTS COMPLEX/POOL BLDG.**	Date Prepared: **08/15/2016**

C. Summary of Allowed Lighting Power

Conditioned and Unconditioned space Lighting must not be combined for compliance

	Indoor Lighting Power for Conditioned Spaces		Watts	Indoor Lighting Power for Unconditioned Spaces		Watts
1.	**Installed** Lighting NRCC-LTI-01-E, page 4	+	**21,918**	**Installed** Lighting NRCC-LTI-01-E, page 4	+	
2.	PORTABLE ONLY FOR OFFICES NRCC-LTI-01-E, page 3	+				
3.	Minus Lighting Control Credits NRCC-LTI-02-E, page 2	-		Minus Lighting Control Credits NRCC-LTI-02-E, page 2	-	
4.	Adjusted **Installed** Lighting Power (row 1 plus row 2 minus row 3)	=	**21,918**	Adjusted **Installed** Lighting Power (row 1 minus row 3)	=	
5.	Complies ONLY if **Installed** ≤ **Allowed**			Complies ONLY if **Installed** ≤ **Allowed**		
6.	**Allowed** Lighting Power Conditioned NRCC-LTI-03-E, page 1		**22,792**	**Allowed** Lighting Power Unconditioned NRCC-LTI-03-E, page 1		

D. Declaration of Required Installation Certificates

Declare by selecting yes for all Installation Certificates that will be submitted. (Retain copies and verify forms are completed and signed.)

YES	NO	Form/Title	
✓		NRCI-LTI-01-E - Must be submitted for all buildings	☐ Field Inspector
✓		NRCI-LTI-02-E - Must be submitted for a lighting control system, or for an Energy Management Control System (EMCS), to be recognized for compliance.	☐ Field Inspector
	N/A	NRCI-LTI-03-E - Must be submitted for a line-voltage track lighting integral current limiter, or for a supplementary overcurrent protection panel used to energize only line-voltage track lighting, to be recognized for compliance.	☐ Field Inspector
	N/A	NRCI-LTI-04-E - Must be submitted for two interlocked systems serving an auditorium, a convention center, a conference room, a multipurpose room, or a theater to be recognized for compliance.	☐ Field Inspector
	N/A	NRCI-LTI-05-E - Must be submitted for a Power Adjustment Factor (PAF) to be recognized for compliance.	☐ Field Inspector
	N/A	NRCI-LTI-06-E - Must be submitted for additional wattage installed in a video conferencing studio to be recognized for compliance.	☐ Field Inspector

E. Declaration of Required Certificates of Acceptance

Declare by checking all of the Certificates of Acceptance that will be submitted. (Retain copies and verify forms are completed and signed.)

STATE OF CALIFORNIA
INDOOR LIGHTING
CEC-NRCC-LTI-01-E (Revised 05/15) — CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-LTI-01-E
Indoor Lighting	(Page 5 of 6)
Project Name: **RANCHO CIENEGA SPORTS COMPLEX/POOL BLDG.**	Date Prepared: **08/15/2016**

A separate Lighting Schedule Must Be Filled Out for Conditioned and Unconditioned Spaces. Installed Lighting Power listed on this Lighting Schedule is only for:
☑ **CONDITIONED SPACE** ☐ **UNCONDITIONED SPACE**

C. INDOOR LIGHTING SCHEDULE and FIELD INSPECTION ENERGY CHECKLIST

Luminaire Schedule		Installed Watts					Location	Field Inspector [1]	
A	B	C	D		E	F	G	H	
Name or Item Tag	Complete Luminaire Description (i.e, 3 lamp fluorescent troffer, F32T8, one dimmable electronic ballast)	Watts per Luminaire	How wattage was determined: CEC Default from T8/T5	How wattage was determined: According to §130.0(c)	Number Luminaires	Total Installed Watts in this area (C x E)	Primary Function area in which these luminaires are installed	Pass	Fail
A	SEE FIXTURE SCHEDULE SHEET G-E1	230	☐	☑	35	8050	POOL AREA	☐	☐
C	" "	25	☐	☑	104	2600	CIRRIDOR/	☐	☐
C1	" "	25	☐	☑	36	900	LOCKERS/CHG.ROOM/D.OFFICE	☐	☐
D	" "	26	☐	☑	14	364	POOL EQUIP./WATER TREAT.	☐	☐
E	" "	48	☐	☑	21	1008	LOBBY/STAFF OFFICE	☐	☐
F	" "	25	☐	☑	6	150	JANITOR RM./FITNNES RM	☐	☐
G	" "	19	☐	☑	43	817	WOMEN/MEN'S BAG CHECK	☐	☐
P	" "	–	☐	☑	2	–	STAIRS	☐	☐
J	" "	4	☐	☑	2	8	STAIRS	☐	☐
				INSTALLED WATTS PAGE TOTAL:		13,897	Enter sum total of all pages into NRCC-LTI-01-E; Page 2		

STATE OF CALIFORNIA
INDOOR LIGHTING
CEC-NRCC-LTI-01-E (Revised 05/15) — CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-LTI-01-E
Indoor Lighting	(Page 6 of 6)
Project Name: **RANCHO CIENEGA SPORTS COMPLEX/POOL BLDG.**	Date Prepared: **08/15/2016**

DOCUMENTATION AUTHOR'S DECLARATION STATEMENT

1. I certify that this Certificate of Compliance documentation is accurate and complete.

Documentation Author Name: **VLADIMIR TSIDULKO**	Documentation Author Signature:
Company: **V&M ELECTRICAL ENGINEERING INC.**	Signature Date: **08/15/2016**
Address: **3330 BARHAM BLVD. SUITE #204**	CEA Certification Identification (if applicable): **–**
City/State/Zip: **LOS ANGELES CALIF., 90068**	Phone: **1-323-851-9964**

RESPONSIBLE PERSON'S DECLARATION STATEMENT

I certify the following under penalty of perjury, under the laws of the State of California:

1. The information provided on this Certificate of Compliance is true and correct.
2. I am eligible under Division 3 of the Business and Professions Code to accept responsibility for the building design or system design identified on this Certificate of Compliance (responsible designer).
3. The energy features and performance specifications, materials, components, and manufactured devices for the building design or system design identified on this Certificate of Compliance conform to the requirements of Title 24, Part 1 and Part 6 of the California Code of Regulations.
4. The building design features or system design features identified on this Certificate of Compliance are consistent with the information provided on other applicable compliance documents, worksheets, calculations, plans and specifications submitted to the enforcement agency for approval with this building permit application.
5. I will ensure that a completed signed copy of this Certificate of Compliance shall be made available with the building permit(s) issued for the building, and made available to the enforcement agency for all applicable inspections. I understand that a completed signed copy of this Certificate of Compliance is required to be included with the documentation the builder provides to the building owner at occupancy.

Responsible Designer Name: **VLADIMIR TSIDULKO**	Responsible Designer Signature:
Company: **V&M ELECTRICAL ENGINEERING INC.**	Date Signed: **08/15/2016**
Address: **3330 BARHAM BLVD. SUITE #204**	License: **#E11834**
City/State/Zip: **LOS ANGELES CALIF., 90068**	Phone: **1-323-851-9964**

INDOOR T-24 POOL FACILITY

V & M ELECTRICAL ENGINEERING, INC.
3330 Barham Boulevard, Suite 204
Los Angeles, CA 90068
(323)851-9964 Fax (323)851-0153
E-mail: vme@vmelectrical.com

BUREAU OF ENGINEERING
OFFICIAL RECORD

BUREAU OF ENGINEERING
CITY OF LOS ANGELES
ENGINEERING
CITY OF LOS ANGELES

NO. | REVISIONS: | DATE: | BY:

BUILDING NO.
INDEX NO. - RP 300094

BID SET SUBMITTAL
DEPARTMENT OF PUBLIC WORKS
CITY OF LOS ANGELES

VERTICAL CONTROL:
HORIZONTAL CONTROL:

GARY LEE MOORE, PE, ENV SP CITY ENGINEER
DATE:
ARCHITECTURAL DIVISION
LIC. NO. E11834
ENGINEER: VLADIMIR TSIDULKO, PE
DESIGNED BY: V.T.
DRAWN BY: K.G.
CHECKED BY: V.T.
APPROVED BY: MAHMOOD KARIMZADEH, A.I.A., PRINCIPAL ARCHITECT

SHEET TITLE: INDOOR T-24 POOL FACILITY
PROJECT: RANCHO CIENEGA SPORTS COMPLEX
ADDRESS: 5001 RODEO ROAD
LOS ANGELES, CA 90016

WORK ORDER NO. E1907694
PLAN FILE NO.
DRAWING NO. **E-10**
SHEET OF SHEETS

REVISION DATES (DESIGN STAGE ONLY)

THE CITY OF LOS ANGELES OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF ELECTRONIC COPIES OF THIS PLAN SHEET.

REVISION DATE: 10/24/2016 5:30 PM FILE: Z:\14-018 RANCHO CIENEGA SPORTS COMPLEX\DRAWINGS\REVITLINKS-AUTOCAD\BOE_TITLEBLOCK_CD_99PERCENT.DWG

STATE OF CALIFORNIA
INDOOR LIGHTING – LIGHTING CONTROLS
CEC-NRCC-LTI-02-E (Revised 05/15) CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-LTI-02-E
Indoor Lighting - Lighting Controls	(Page 1 of 3)
Project Name: RANCHO CIENEGA SPORTS COMPLEX/POOL BLDG.	Date Prepared: 08/15/2016

The NRCC-LTI-02-E shall be used to document all mandatory and prescriptive lighting controls that are applicable to the project.

A. Mandatory Lighting Control Declaration Statements (Indicate if the measure applies by checking yes or no below.)

YES	NO	Control Requirements
	✓	Lighting shall be controlled by self-contained lighting control devices which are certified to the Energy Commission according to the Title 20 Appliance Efficiency Regulations in accordance with Section 110.9.
✓		Lighting shall be controlled by a lighting control a system or energy management control system in accordance with §110.9. An Installation Certificate shall be submitted in accordance with Section 130.4(b).
	N/A	One or more Track Lighting Integral Current Limiters shall be installed which have been certified to the Energy Commission in accordance with §110.9 and §130.0. Additionally, an Installation Certificate shall be submitted in accordance with Section 130.4(b).
	N/A	A Track Lighting Supplementary Overcurrent Protection Panel shall be installed in accordance with Section 110.9 and Section 130.0. Additionally, an Installation Certificate shall be installed in accordance with Section 130.4(b).
✓		All lighting controls and equipment shall comply with the applicable requirements in §110.9 and shall be installed in accordance with the manufacturer's instructions in accordance with Section 130.1.
✓		All luminaires shall be functionally controlled with manually switched ON and OFF lighting controls in accordance with Section 130.1(a).
	N/A	General lighting shall be separately controlled from all other lighting systems in an area. Floor and wall display, window display, case display, ornamental, and special effects lighting shall each be separately controlled on circuits that are 20 amps or less. When track lighting is used, general, display, ornamental, and special effects lighting shall each be separately controlled; in accordance with Section 130.1(a)4.
✓		The general lighting of any enclosed area 100 square feet or larger, with a connected lighting load that exceeds 0.5 watts per square foot shall meet the multi-level lighting control requirements in accordance with Section 130.1(b).
✓		All installed indoor lighting shall be equipped with controls that meet the applicable Shut-OFF control requirements in Section 130.1(c).
✓		Lighting in all Daylit Zones shall be controlled in accordance with the requirements in Section 130.1(d) and daylit zones are shown on the plans.
	N/A	Lighting power in buildings larger than 10,000 square feet shall be capable of being automatically reduced in response to a Demand Responsive Signal in accordance with Section 130.1(e).
✓		Before an occupancy permit is granted for a newly constructed building or area, or a new lighting system serving a building, area, or site is operated for normal use, indoor lighting controls serving the building, area, or site shall be certified as meeting the Acceptance Requirements for Code Compliance in accordance with Section 130.4.(a). The controls required to meet the Acceptance Requirements include automatic daylight controls, automatic shut-OFF controls, and demand responsive controls.

STATE OF CALIFORNIA
INDOOR LIGHTING – LIGHTING CONTROLS
CEC-NRCC-LTI-02-E (Revised 05/15) CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-LTI-02-E
Indoor Lighting - Lighting Controls	(Page 2 of 3)
Project Name: RANCHO CIENEGA SPORTS COMPLEX/POOL BLDG.	Date Prepared: 08/15/2016

A separate document must be filled out for Conditioned and Unconditioned Spaces. This page is used only for the following:
☑ CONDITIONED SPACES ☐ UNCONDITIONED SPACES

B. Mandatory and Prescriptive Indoor Lighting Control Schedule, PAF Calculation, and Field Inspection Checklist

Lighting Control Schedule			Standards Complying With [1] (✓ all that apply, or enter 'E' if Exempted)							PAF Credit Calculation [2]			✓ If Acceptance Test Required	Field Inspector	
										Controlled Lighting Wattage	PAF	Control Credit (K x L)		Pass	Fail
A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	
Location in Building	Type/ Description of Lighting Control (i.e.: occupancy sensor, automatic time switch, dimmer, automatic daylight, etc..)	# of Units	§130.1(a)	§130.0(b)	§130.1(c)	§130.1(d)	§130.1(e)	§130.1(f)2	§140.6(d)						
OFFICE/CORRIDOR	OCCUPANCY SENSOR	–	✓							–				☐	☐
RESTROOMS	OCCUPANCY SENSOR	–		✓						–				☐	☐
COMMUNITY RM.KITCHEN	–									–				☐	☐
														☐	☐
														☐	☐
														☐	☐
														☐	☐
Control Credit PAGE TOTAL (Sum of Column M):															
IF MULTIPLE PAGES ARE USED, ENTER SUM TOTAL OF Control Credit for all pages HERE (Sum of all Column M):															
													Enter Control Credit total into NRCC-LTI-01-E; Page 1.		

1. §130.1(a) = Manual area controls; §130.0(b) = Multi Level; §130.1(c) = Auto Shut-Off; §130.1(d) = Mandatory Daylight; §130.1(e) = Demand Responsive; §140.6(d) = Additional lighting controls installed to earn a PAF; §140.6(d) = Prescriptive Secondary Sidelit Daylight Controls.
2. Check Table 140.6-A for correct Factor. PAFs shall not be traded between conditioned and unconditioned spaces. As a condition to earn a PAF, an Installation Certificate is also required to be filled out, signed, and submitted.

STATE OF CALIFORNIA
INDOOR LIGHTING – LIGHTING CONTROLS
CEC-NRCC-LTI-02-E (Revised 05/15) CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-LTI-02-E
Indoor Lighting - Lighting Controls	(Page 3 of 3)
Project Name: RANCHO CIENEGA SPORTS COMPLEX/POOL BLDG	Date Prepared: 08/15/2016

DOCUMENTATION AUTHOR'S DECLARATION STATEMENT
1. I certify that this Certificate of Compliance documentation is accurate and complete.

Documentation Author Name: VLADIMIR TSIDULKO	Documentation Author Signature:
Company: V&M ELECTRICAL ENGINEERING INC.	Signature Date: 08/15/2016
Address: 3330 BARHAM BLVD. SUITE #204	CEA Certification Identification (if applicable):
City/State/Zip: LOS ANGELES CALIF., 90068	Phone: 1–323–851–9964

RESPONSIBLE PERSON'S DECLARATION STATEMENT
I certify the following under penalty of perjury, under the laws of the State of California:
1. The information provided on this Certificate of Compliance is true and correct.
2. I am eligible under Division 3 of the Business and Professions Code to accept responsibility for the building design or system design identified on this Certificate of Compliance (responsible designer).
3. The energy features and performance specifications, materials, components, and manufactured devices for the building design or system design identified on this Certificate of Compliance conform to the requirements of Title 24, Part 1 and Part 6 of the California Code of Regulations.
4. The building design features or system design features identified on this Certificate of Compliance are consistent with the information provided on other applicable compliance documents, worksheets, calculations, plans and specifications submitted to the enforcement agency for approval with this building permit application.
5. I will ensure that a completed signed copy of this Certificate of Compliance shall be made available with the building permit(s) issued for the building, and made available to the enforcement agency for all applicable inspections. I understand that a completed signed copy of this Certificate of Compliance is required to be included with the documentation the builder provides to the building owner at occupancy.

Responsible Designer Name: VLADIMIR TSIDULKO	Responsible Designer Signature:
Company: V&M ELECTRICAL ENGINEERING INC.	Date Signed: 08/15/2016
Address: 3330 BARHAM BLVD. SUITE #204	License: #E11834
City/State/Zip: LOS ANGELES CALIF., 90068	Phone: 1–323–851–9964

STATE OF CALIFORNIA
INDOOR LIGHTING POWER ALLOWANCE
CEC-NRCC-LTI-03-E (Revised 05/15) CALIFORNIA ENERGY COMMISSION

Certificate of Compliance - Indoor Lighting Power Allowance	(Page 1 of 4)
Project Name: RANCHO CIENEGA SPORTS COMPLEX/POOL BLDG.	Date Prepared: 08/15/2016

A separate page must be filled out for Conditioned and Unconditioned Spaces. This page is only for:
☑ CONDITIONED spaces ☐ UNCONDITIONED spaces

A. SUMMARY TOTALS OF LIGHTING POWER ALLOWANCES
☐ If using Complete Building Method for compliance, use only the total in column (a) as total allowed building watts.
☐ If using Area Category Method, Tailored Method, or a combination of Area Category and Tailored Method for compliance, use only the total in column (b) as the total allowed building watts

	(a)		(b)
1. Complete Building Method Allowed Watts. Documented in section B of NRCC-LTI-03-E (below on this page)			
2. Area Category Method Allowed Watts. Documented in section C-1 of NRCC-LTI-03-E (below on this page)			
3. Tailored Method Allowed Watts. Documented in section A of NRCC-LTI-04-E			
TOTAL ALLOWED BUILDING WATTS. Enter number into correct cell on NRCC-LTI-01, Page 2, Row 1			

☐ Check here if building contains both conditioned and unconditioned areas.

B. COMPLETE BUILDING METHOD LIGHTING POWER ALLOWANCE

1	2		3		4
TYPE OF BUILDING (From §140.6 Table 140.6-B)	WATTS PER (ft^2)	X	COMPLETE BLDG. AREA	=	ALLOWED WATTS
Total Area:					
Total Watts. Enter Total Watts into section A, row 1 (Above on this page)					

C -1 AREA CATEGORY METHOD TOTAL LIGHTING POWER ALLOWANCES (D plus E)	Watts
Total from section C-2 .	
Total from section C-3 .	
Total Watts. Enter Total Watts into section A, row 2 (Above on this page) .	

STATE OF CALIFORNIA
INDOOR LIGHTING POWER ALLOWANCE
CEC-NRCC-LTI-03-E (Revised 05/15) CALIFORNIA ENERGY COMMISSION

Certificate of Compliance - Indoor Lighting Power Allowance	(Page 2 of 4)
Project Name: RANCHO CIENEGA SPORTS COMPLEX/POOL BLDG.	Date Prepared: 08/15/2016

A separate page must be filled out for Conditioned and Unconditioned Spaces. This page is only for:
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C -2 AREA CATEGORY METHOD GENERAL LIGHTING POWER ALLOWANCE
☐ Do not include portable lighting for offices. Portable lighting for offices shall be documented only in section B of NRCC-LTI-01-E.
☑ Separately list lighting for each primary function area as defined in §100.1 of the Standards.

A		B		C		D
AREA CATEGORY (From §140.6 Table 140.6-C)		WATTS PER (ft^2)	X	AREA (ft^2)	=	ALLOWED WATTS
Location in Building	Primary Function Area per Table 140.6-C					
MEZZ.CORRIDOR/RESTROOMS/JANITOR	RESTROOM–SUPPORT AREA	0.6		5,805		3483
ELECTRICAL ROOM	ELECTRICAL ROOM	0.7		140		98
OFFICE	OFFICE AREA	0.75		405		304
POOL/POOL DECK/SEATING	EXCERCISE CENTER	1.0		15,010		15010
COMMUNITY ROOM	LOBBY AREA	1.4		1780		2492
CHECK–IN LOBBY	LOBBY AREA	1.5		414		621
POOL EQUIP./WATER TREATMENT	STORAGE AREAS	0.7		1120		784
			TOTALS	24,674		
Enter sum total Area Category allowed watts into section C-1 of NRCC-LTI-03-E (this compliance form)						22,792 WATTS

STATE OF CALIFORNIA
INDOOR LIGHTING POWER ALLOWANCE
CEC-NRCC-LTI-03-E (Revised 05/15) CALIFORNIA ENERGY COMMISSION

Certificate of Compliance - Indoor Lighting Power Allowance	(Page 4 of 4)
Project Name: RANCHO CIENEGA SPORTS COMPLEX/POOL BLDG.	Date Prepared: 08/15/2016

DOCUMENTATION AUTHOR'S DECLARATION STATEMENT
1. I certify that this Certificate of Compliance documentation is accurate and complete.

Documentation Author Name: VLADIMIR TSIDULKO	Documentation Author Signature:
Company: V&M ELECTRICAL ENGINEERING INC.	Signature Date: 08/15/2016
Address: 3330 BARHAM BLVD. SUITE #204	CEA Certification Identification (if applicable):
City/State/Zip: LOS ANGELES CALIF., 90068	Phone: 1–323–851–9964

RESPONSIBLE PERSON'S DECLARATION STATEMENT
I certify the following under penalty of perjury, under the laws of the State of California:
1. The information provided on this Certificate of Compliance is true and correct.
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5. I will ensure that a completed signed copy of this Certificate of Compliance shall be made available with the building permit(s) issued for the building, and made available to the enforcement agency for all applicable inspections. I understand that a completed signed copy of this Certificate of Compliance is required to be included with the documentation the builder provides to the building owner at occupancy.

Responsible Designer Name: VLADIMIR TSIDULKO	Responsible Designer Signature:
Company: V&M ELECTRICAL ENGINEERING INC.	Date Signed: 08/15/2016
Address: 3330 BARHAM BLVD. SUITE #204	License: #E11834
City/State/Zip: LOS ANGELES CALIF., 90068	Phone: 1–323–851–9964

INDOOR T-24 POOL FACILITY

V & M ELECTRICAL ENGINEERING, INC.
3330 Barham Boulevard, Suite 204
Los Angeles, CA 90068
(323)851–9964 Fax (323)851–0153
E–mail: vme@vmelectrical.com

BUREAU OF ENGINEERING
OFFICIAL RECORD

BUREAU OF ENGINEERING
CITY OF LOS ANGELES
NO. REVISIONS: DATE: BY:
BUILDING NO. -
INDEX NO. RP 300094

CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS
BID SET SUBMITTAL
GARY LEE MOORE, PE, ENV SP CITY ENGINEER
ENGINEER: VLADIMIR TSIDULKO, PE LIC. NO. E11834
ARCHITECTURAL DIVISION
DESIGNED BY: V.T.
DRAWN BY: K.G.
CHECKED BY: V.T.
APPROVED BY: MAHMOOD KARIMZADEH, A.I.A., PRINCIPAL ARCHITECT
VERTICAL CONTROL:
HORIZONTAL CONTROL:
SHEET TITLE: INDOOR T-24 POOL FACILITY
PROJECT: RANCHO CIENEGA SPORTS COMPLEX
ADDRESS: 5001 RODEO ROAD LOS ANGELES, CA 90016
WORK ORDER NO. E1907694
PLAN FILE NO.
DRAWING NO. E-11
SHEET OF SHEETS

THE CITY OF LOS ANGELES OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF ELECTRONIC COPIES OF THIS PLAN SHEET.
REVISION DATE: 10/24/2016 5:30 PM FILE: Z:\14-016 RANCHO CIENEGA SPORTS COMPLEX\DRAWINGS\REVIT\LINKS-AUTOCAD\RDE_TITLEBLOCK_CD_30PERCENT.DWG
REVISION DATES (DESIGN STAGE ONLY)

STATE OF CALIFORNIA
Electrical Power Distribution
CEC-NRCC-ELC-01-E (Revised 05/15) CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-ELC-01-E
Electrical Power Distribution	(Page 1 of 7)
Project Name: **RANCHO CIENEGA SPORTS COMPLEX/POOL**	Date Prepared: **08/15/2016**

A. General Information

Project Address:		Climate Zone:	Conditioned Floor Area :
			Unconditioned Floor Area :
Building Type:	☐ Nonresidential ☐ High-Rise Residential ☐ Hotel/Motel		
☐ Schools	☐ Relocatable Public Schools ☐ Conditioned Spaces ☐ Unconditioned Spaces		
Phase of Construction:	☐ New Construction ☐ Addition ☐ Alteration		

STATE OF CALIFORNIA
Electrical Power Distribution
CEC-NRCC-ELC-01-E (Revised 05/15) CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-ELC-01-E
Electrical Power Distribution	(Page 2 of 7)
Project Name: **RANCHO CIENEGA SPORTS COMPLEX/POOL**	Date Prepared: **08/15/2016**

B. Electrical Service Metering

☐ Each newly installed electrical service (in both existing and newly constructed buildings) is required to be metered, as set out in Table 130.5-A, which is reproduced below.
☐ Fill out a separate line for each electrical service that is connected to the building.

Electrical Service Schedule	Electrical Service Rating	Metering Capabilities (check all that are present)				Field Inspector	
		Instantaneous kW demand (at the time)	Historical peak demand (kW)	Resettable kWh	kWh per rate period	Pass	Fail
A	B	C	D	E	F	G	
Designation/location in building/description	kVA	☐	☐	☐	☐	☐	☐

STATE OF CALIFORNIA
INDOOR LIGHTING
CEC-NRCC-LTI-01-E (Revised 05/15) — CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-LTI-01-E
Indoor Lighting	(Page 1 of 6)
Project Name: **RANCHO CIENEGA SPORTS COMPLEX/TENNIS GRANDSTAND PRO SHOP**	Date Prepared: **08/15/2016**

A. General Information

Climate Zone:	Conditioned Floor Area : **808 S.F.**					
	Unconditioned Floor Area :					
Building Type:		☑	Nonresidential	☐	High-Rise Residential	☐ Hotel/Motel
☐ Schools		☐	Relocatable Public Schools	☑	Conditioned Spaces	☐ Unconditioned Spaces
Phase of Construction:		☐	New Construction	☑	Addition	☐ Alteration
Method of Compliance:		☐	Complete Building	☑	Area Category	☐ Tailored
Project Address: –						

B. Lighting Compliance Documents (select yes for each document included)

For detailed instructions on the use of this and all Energy Efficiency Standards compliance documents, refer to the Nonresidential Manual published by the California Energy Commission.

YES	NO	FORM	TITLE
✓		NRCC-LIT-01-E	Certificate of Compliance. All Pages required on plans for all submittals.
✓		NRCC-LIT-02-E	Lighting Controls, Certificate of Compliance, and PAF Calculation. All Pages required on plans for all submittals.
✓		NRCC-LIT-03-E	Indoor Lighting Power Allowance
	✓	NRCC-LIT-04-E	Tailored Method Worksheets
	✓	NRCC-LIT-05-E	Line Voltage Track Lighting Worksheets

STATE OF CALIFORNIA
INDOOR LIGHTING
CEC-NRCC-LTI-01-E (Revised 05/15) — CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-LTI-01-E
Indoor Lighting	(Page 2 of 6)
Project Name: **RANCHO CIENEGA SPORTS COMPLEX/TENNIS GRANDSTAND PRO SHOP**	Date Prepared: **08/15/2016**

C. Summary of Allowed Lighting Power

Conditioned and Unconditioned space Lighting must not be combined for compliance

	Indoor Lighting Power for Conditioned Spaces		Watts	Indoor Lighting Power for Unconditioned Spaces		Watts
1.	**Installed** Lighting NRCC-LTI-01-E, page 4	+	**934**	**Installed** Lighting NRCC-LTI-01-E, page 4	+	
2.	PORTABLE ONLY FOR OFFICES NRCC-LTI-01-E, page 3	+				
3.	Minus Lighting Control Credits NRCC-LTI-02-E, page 2	-		Minus Lighting Control Credits NRCC-LTI-02-E, page 2	-	
4.	Adjusted **Installed** Lighting Power (row 1 plus row 2 minus row 3)	=	**934**	Adjusted **Installed** Lighting Power (row 1 minus row 3)	=	
5.	Complies ONLY if **Installed** ≤ **Allowed**			Complies ONLY if **Installed** ≤ **Allowed**		
6.	**Allowed** Lighting Power Conditioned NRCC-LTI-03-E, page 1		--	**Allowed** Lighting Power Unconditioned NRCC-LTI-03-E, page 1		

D. Declaration of Required Installation Certificates

Declare by selecting yes for all Installation Certificates that will be submitted. (Retain copies and verify forms are completed and signed.)

YES	NO	Form/Title	
✓		NRCI-LTI-01-E - Must be submitted for all buildings	☐ Field Inspector
✓		NRCI-LTI-02-E - Must be submitted for a lighting control system, or for an Energy Management Control System (EMCS), to be recognized for compliance.	☐ Field Inspector
	N/A	NRCI-LTI-03-E - Must be submitted for a line-voltage track lighting integral current limiter, or for a supplementary overcurrent protection panel used to energize only line-voltage track lighting, to be recognized for compliance.	☐ Field Inspector
	N/A	NRCI-LTI-04-E - Must be submitted for two interlocked systems serving an auditorium, a convention center, a conference room, a multipurpose room, or a theater to be recognized for compliance.	☐ Field Inspector
	N/A	NRCI-LTI-05-E - Must be submitted for a Power Adjustment Factor (PAF) to be recognized for compliance.	☐ Field Inspector
	N/A	NRCI-LTI-06-E - Must be submitted for additional wattage installed in a video conferencing studio to be recognized for compliance.	☐ Field Inspector

E. Declaration of Required Certificates of Acceptance

Declare by checking all of the Certificates of Acceptance that will be submitted. (Retain copies and verify forms are completed and signed.)

STATE OF CALIFORNIA
INDOOR LIGHTING
CEC-NRCC-LTI-01-E (Revised 05/15) — CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-LTI-01-E
Indoor Lighting	(Page 5 of 6)
Project Name: **RANCHO CIENEGA SPORTS COMPLEX/TENNIS GRANDSTAND PRO SHOP**	Date Prepared: **08/15/2016**

A separate Lighting Schedule Must Be Filled Out for Conditioned and Unconditioned Spaces. Installed Lighting Power listed on this Lighting Schedule is only for:
☑ **CONDITIONED SPACE** ☐ **UNCONDITIONED SPACE**

C. INDOOR LIGHTING SCHEDULE and FIELD INSPECTION ENERGY CHECKLIST

Luminaire Schedule		Installed Watts					Location	Field Inspector [1]	
A	B	C	D		E	F	G	H	
Name or Item Tag	Complete Luminaire Description (i.e, 3 lamp fluorescent troffer, F32T8, one dimmable electronic ballast)	Watts per Luminaire	How wattage was determined: CEC Default from Table	How wattage was determined: According to §130.0(c)	Number Luminaires	Total Installed Watts in this area (C x E)	Primary Function area in which these luminaires are installed	Pass	Fail
G	SEE LIGHTING FIXTURE SCHEDULE, SHEET E-1	19	☐	☑	10	190	TENNIS PRO SHOP & RESTROOM	☐	☐
H	" "	36	☐	☑	8	288	TENNIS PRO SHOP	☐	☐
I	" "	30	☐	☑	2	60	TENNIS PRO SHOP OFFICE	☐	☐
L	" "	58	☐	☑	18	1044	BLEACHERS	☐	☐
			☐	☑			–	☐	☐
			☐	☐			–	☐	☐
			☐	☐			–	☐	☐
			☐	☐			–	☐	☐
			☐	☐			–	☐	☐
INSTALLED WATTS PAGE TOTAL:						--	Enter sum total of all pages into NRCC-LTI-01-E; Page 2		

STATE OF CALIFORNIA
INDOOR LIGHTING
CEC-NRCC-LTI-01-E (Revised 05/15) — CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-LTI-01-E
Indoor Lighting	(Page 6 of 6)
Project Name: **RANCHO CIENEGA SPORTS COMPLEX/TENNIS GRANDSTAND PRO SHOP**	Date Prepared: **08/15/2016**

DOCUMENTATION AUTHOR'S DECLARATION STATEMENT

1. I certify that this Certificate of Compliance documentation is accurate and complete.

Documentation Author Name: **VLADIMIR TSIDULKO**	Documentation Author Signature:
Company: **V&M ELECTRICAL ENGINEERING INC.**	Signature Date: **08/15/2016**
Address: **3330 BARHAM BLVD. SUITE #204**	CEA Certification Identification (if applicable): **–**
City/State/Zip: **LOS ANGELES CALIF., 90068**	Phone: **1-323-851-9964**

RESPONSIBLE PERSON'S DECLARATION STATEMENT

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Responsible Designer Name: **VLADIMIR TSIDULKO**	Responsible Designer Signature:
Company: **V&M ELECTRICAL ENGINEERING INC.**	Date Signed: **08/15/2016**
Address: **3330 BARHAM BLVD. SUITE #204**	License: **#E11834**
City/State/Zip: **LOS ANGELES CALIF., 90068**	Phone: **1-323-851-9964**

INDOOR T-24 TENNIS GRANDSTAND

V & M ELECTRICAL ENGINEERING, INC.
3330 Barham Boulevard, Suite 204
Los Angeles, CA 90068
(323)851-9964 Fax (323)851-0153
E-mail: vme@vmelectrical.com

BUREAU OF ENGINEERING
OFFICIAL RECORD

BUREAU OF ENGINEERING
CITY OF LOS ANGELES
ENGINEERING
CITY OF LOS ANGELES

NO. | REVISIONS: | DATE: | BY:

BUILDING NO.

INDEX NO. - RP 300094

BID SET SUBMITTAL
DEPARTMENT OF PUBLIC WORKS
CITY OF LOS ANGELES

VERTICAL CONTROL:
HORIZONTAL CONTROL:

GARY LEE MOORE, PE, ENV SP CITY ENGINEER
ARCHITECTURAL DIVISION
DATE:
ENGINEER: VLADIMIR TSIDULKO, PE — LIC. NO. E11834
DESIGNED BY: V.T.
DRAWN BY: K.G.
CHECKED BY: V.T.
APPROVED BY: MAHMOOD KARIMZADEH, A.I.A., PRINCIPAL ARCHITECT

SHEET TITLE: INDOOR T-24 TENNIS GRANDSTAND
PROJECT: RANCHO CIENEGA SPORTS COMPLEX
ADDRESS: 5001 RODEO ROAD LOS ANGELES, CA 90016

WORK ORDER NO. E1907694
PLAN FILE NO.
DRAWING NO. **E-13**
SHEET OF SHEETS

REVISION DATES (DESIGN STAGE ONLY)

THE CITY OF LOS ANGELES OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF ELECTRONIC COPIES OF THIS PLAN SHEET.

REVISION DATE: 10/24/2016 5:30 PM FILE: Z:\14-018 RANCHO CIENEGA SPORTS COMPLEX\DRAWINGS\REVITLINKS-AUTOCAD\BOE_TITLEBLOCK_CD_99PERCENT.DWG

STATE OF CALIFORNIA
INDOOR LIGHTING – LIGHTING CONTROLS
CEC-NRCC-LTI-02-E (Revised 05/15) CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-LTI-02-E
Indoor Lighting - Lighting Controls	(Page 1 of 3)
Project Name: RANCHO CIENEGA SPORTS COMPLEX/TENNIS GRANDSTAND PRO SHOP	Date Prepared: 08/15/2016

The NRCC-LTI-02-E shall be used to document all mandatory and prescriptive lighting controls that are applicable to the project.

A. Mandatory Lighting Control Declaration Statements (Indicate if the measure applies by checking yes or no below.)

YES	NO	Control Requirements
	✓	Lighting shall be controlled by self-contained lighting control devices which are certified to the Energy Commission according to the Title 20 Appliance Efficiency Regulations in accordance with Section 110.9.
✓		Lighting shall be controlled by a lighting control a system or energy management control system in accordance with §110.9. An Installation Certificate shall be submitted in accordance with Section 130.4(b).
	N/A	One or more Track Lighting Integral Current Limiters shall be installed which have been certified to the Energy Commission in accordance with §110.9 and §130.0. Additionally, an Installation Certificate shall be submitted in accordance with Section 130.4(b).
	N/A	A Track Lighting Supplementary Overcurrent Protection Panel shall be installed in accordance with Section 110.9 and Section 130.0. Additionally, an Installation Certificate shall be installed in accordance with Section 130.4(b).
✓		All lighting controls and equipment shall comply with the applicable requirements in §110.9 and shall be installed in accordance with the manufacturer's instructions in accordance with Section 130.1.
✓		All luminaires shall be functionally controlled with manually switched ON and OFF lighting controls in accordance with Section 130.1(a).
	N/A	General lighting shall be separately controlled from all other lighting systems in an area. Floor and wall display, window display, case display, ornamental, and special effects lighting shall each be separately controlled on circuits that are 20 amps or less. When track lighting is used, general, display, ornamental, and special effects lighting shall each be separately controlled, in accordance with Section 130.1(a)4.
✓		The general lighting of any enclosed area 100 square feet or larger, with a connected lighting load that exceeds 0.5 watts per square foot shall meet the multi-level lighting control requirements in accordance with Section 130.1(b).
✓		All installed indoor lighting shall be equipped with controls that meet the applicable Shut-OFF control requirements in Section 130.1(c).
✓		Lighting in all Daylit Zones shall be controlled in accordance with the requirements in Section 130.1(d) and daylit zones are shown on the plans.
	N/A	Lighting power in buildings larger than 10,000 square feet shall be capable of being automatically reduced in response to a Demand Responsive Signal in accordance with Section 130.1(e).
✓		Before an occupancy permit is granted for a newly constructed building or area, or a new lighting system serving a building, area, or site is operated for normal use, indoor lighting controls serving the building, area, or site shall be certified as meeting the Acceptance Requirements for Code Compliance in accordance with Section 130.4.(a). The controls required to meet the Acceptance Requirements include automatic daylight controls, automatic shut-OFF controls, and demand responsive controls.

STATE OF CALIFORNIA
INDOOR LIGHTING – LIGHTING CONTROLS
CEC-NRCC-LTI-02-E (Revised 05/15) CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-LTI-02-E
Indoor Lighting - Lighting Controls	(Page 2 of 3)
Project Name: RANCHO CIENEGA SPORTS COMPLEX/TENNIS GRANDSTAND PRO SHOP	Date Prepared: 08/15/2016

A separate document must be filled out for Conditioned and Unconditioned Spaces. This page is used only for the following:
☑ CONDITIONED SPACES ☐ UNCONDITIONED SPACES

B. Mandatory and Prescriptive Indoor Lighting Control Schedule, PAF Calculation, and Field Inspection Checklist

Lighting Control Schedule			Standards Complying With [1] (✓ all that apply, or enter 'E' if Exempted)							PAF Credit Calculation [2]			✓ If Acceptance Test Required	Field Inspector	
										Controlled Lighting Wattage	PAF	Control Credit (K x L)		Pass	Fail
A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	
Location in Building	Type/ Description of Lighting Control (i.e.: occupancy sensor, automatic time switch, dimmer, automatic daylight, etc...)	# of Units	§130.1(a)	§130.0(b)	§130.1(c)	§130.1(d)	§130.1(e)	§130.1(f)2	§140.6(d)2						
OFFICE/CORRIDOR	OFFICE	–	✓							–				☐	☐
TOILETS	OCCUPANCY SENSOR	–		✓						–				☐	☐
TENNIS PROSHOP	–									–				☐	☐
														☐	☐
														☐	☐
														☐	☐
														☐	☐
Control Credit PAGE TOTAL (Sum of Column M):															
IF MULTIPLE PAGES ARE USED, ENTER SUM TOTAL OF Control Credit for all pages HERE (Sum of all Column M):															
													Enter Control Credit total into NRCC-LTI-01-E; Page 1.		

1. §130.1(a) = Manual area controls; §130.0(b) = Multi Level; §130.1(c) = Auto Shut-Off; §130.1(d) = Mandatory Daylight; §130.1(e) = Demand Responsive; §140.6(d) = Additional lighting controls installed to earn a PAF; §140.6(d) = Prescriptive Secondary Sidelit Daylight Controls.
2. Check Table 140.6-A for correct Factor. PAFs shall not be traded between conditioned and unconditioned spaces. As a condition to earn a PAF, an Installation Certificate is also required to be filled out, signed, and submitted.

STATE OF CALIFORNIA
INDOOR LIGHTING – LIGHTING CONTROLS
CEC-NRCC-LTI-02-E (Revised 05/15) CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-LTI-02-E
Indoor Lighting - Lighting Controls	(Page 3 of 3)
Project Name: RANCHO CIENEGA SPORTS COMPLEX/TENNIS GRANDSTAND PRO SHOP	Date Prepared: 08/15/2016

DOCUMENTATION AUTHOR'S DECLARATION STATEMENT
1. I certify that this Certificate of Compliance documentation is accurate and complete.

Documentation Author Name: VLADIMIR TSIDULKO	Documentation Author Signature:
Company: V&M ELECTRICAL ENGINEERING INC.	Signature Date: 08/15/2016
Address: 3330 BARHAM BLVD. SUITE #204	CEA Certification Identification (if applicable):
City/State/Zip: LOS ANGELES CALIF., 90068	Phone: 1–323–851–9964

RESPONSIBLE PERSON'S DECLARATION STATEMENT
I certify the following under penalty of perjury, under the laws of the State of California:
1. The information provided on this Certificate of Compliance is true and correct.
2. I am eligible under Division 3 of the Business and Professions Code to accept responsibility for the building design or system design identified on this Certificate of Compliance (responsible designer).
3. The energy features and performance specifications, materials, components, and manufactured devices for the building design or system design identified on this Certificate of Compliance conform to the requirements of Title 24, Part 1 and Part 6 of the California Code of Regulations.
4. The building design features or system design features identified on this Certificate of Compliance are consistent with the information provided on other applicable compliance documents, worksheets, calculations, plans and specifications submitted to the enforcement agency for approval with this building permit application.
5. I will ensure that a completed signed copy of this Certificate of Compliance shall be made available with the building permit(s) issued for the building, and made available to the enforcement agency for all applicable inspections. I understand that a completed signed copy of this Certificate of Compliance is required to be included with the documentation the builder provides to the building owner at occupancy.

Responsible Designer Name: VLADIMIR TSIDULKO	Responsible Designer Signature:
Company: V&M ELECTRICAL ENGINEERING INC.	Date Signed: 08/15/2016
Address: 3330 BARHAM BLVD. SUITE #204	License: #E11834
City/State/Zip: LOS ANGELES CALIF., 90068	Phone: 1–323–851–9964

STATE OF CALIFORNIA
INDOOR LIGHTING POWER ALLOWANCE
CEC-NRCC-LTI-03-E (Revised 05/15) CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-LTI-03-E
Certificate of Compliance - Indoor Lighting Power Allowance	(Page 1 of 4)
Project Name: RANCHO CIENEGA SPORTS COMPLEX	Date Prepared: 08/15/2016

A separate page must be filled out for Conditioned and Unconditioned Spaces. This page is only for:
☑ CONDITIONED spaces ☐ UNCONDITIONED spaces

A. SUMMARY TOTALS OF LIGHTING POWER ALLOWANCES
☐ If using Complete Building Method for compliance, use only the total in column (a) as total allowed building watts.
☐ If using Area Category Method, Tailored Method, or a combination of Area Category and Tailored Method for compliance, use only the total in column (b) as the total allowed building watts

	(a)		(b)
1. Complete Building Method Allowed Watts. Documented in section B of NRCC-LTI-03-E (below on this page)			
2. Area Category Method Allowed Watts. Documented in section C-1 of NRCC-LTI-03-E (below on this page)			
3. Tailored Method Allowed Watts. Documented in section A of NRCC-LTI-04-E			
TOTAL ALLOWED BUILDING WATTS. Enter number into correct cell on NRCC-LTI-01, Page 2, Row 1			

☐ Check here if building contains both conditioned and unconditioned areas.

B. COMPLETE BUILDING METHOD LIGHTING POWER ALLOWANCE

1	2		3		4
TYPE OF BUILDING (From §140.6 Table 140.6-B)	WATTS PER (ft^2)	X	COMPLETE BLDG. AREA	=	ALLOWED WATTS
Total Area:					
Total Watts. Enter Total Watts into section A, row 1 (Above on this page)					

C -1 AREA CATEGORY METHOD TOTAL LIGHTING POWER ALLOWANCES (D plus E)	Watts
Total from section C-2 .	
Total from section C-3 .	
Total Watts. Enter Total Watts into section A, row 2 (Above on this page) .	

STATE OF CALIFORNIA
INDOOR LIGHTING POWER ALLOWANCE
CEC-NRCC-LTI-03-E (Revised 05/15) CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-LTI-03-E
Certificate of Compliance - Indoor Lighting Power Allowance	(Page 2 of 4)
Project Name: RANCHO CIENEGA SPORTS COMPLEX	Date Prepared: 08/15/2016

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C -2 AREA CATEGORY METHOD GENERAL LIGHTING POWER ALLOWANCE
☐ Do not include portable lighting for offices. Portable lighting for offices shall be documented only in section B of NRCC-LTI-01-E.
☑ Separately list lighting for each primary function area as defined in §100.1 of the Standards.

A		B		C		D
AREA CATEGORY (From §140.6 Table 140.6-C)		WATTS				ALLOWED
Location in Building	Primary Function Area per Table 140.6-C	PER (ft^2)	X	AREA (ft^2)	=	WATTS
TOILETS/STORAGE	RESTROOM AREA	0.6		75		72
TENNIS PROSHOP	MULTIPURPOSE AREA	1.4		488		683
TENNIS PROSHOP OFFICE	OFFICE AREA	1.0		130		130
TENNIS PROSHOP STORAGE	STORAGE AREA	0.7		70		49
				TOTALS		934
Enter sum total Area Category allowed watts into section C-1 of NRCC-LTI-03-E (this compliance form)						WATTS

STATE OF CALIFORNIA
INDOOR LIGHTING POWER ALLOWANCE
CEC-NRCC-LTI-03-E (Revised 05/15) CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-LTI-03-E
Certificate of Compliance - Indoor Lighting Power Allowance	(Page 4 of 4)
Project Name: RANCHO CIENEGA SPORTS COMPLEX	Date Prepared: 08/15/2016

DOCUMENTATION AUTHOR'S DECLARATION STATEMENT
1. I certify that this Certificate of Compliance documentation is accurate and complete.

Documentation Author Name: VLADIMIR TSIDULKO	Documentation Author Signature:
Company: V&M ELECTRICAL ENGINEERING INC.	Signature Date: 08/15/2016
Address: 3330 BARHAM BLVD. SUITE #204	CEA Certification Identification (if applicable):
City/State/Zip: LOS ANGELES CALIF., 90068	Phone: 1–323–851–9964

RESPONSIBLE PERSON'S DECLARATION STATEMENT
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Responsible Designer Name: VLADIMIR TSIDULKO	Responsible Designer Signature:
Company: V&M ELECTRICAL ENGINEERING INC.	Date Signed: 08/15/2016
Address: 3330 BARHAM BLVD. SUITE #204	License: #E11834
City/State/Zip: LOS ANGELES CALIF., 90068	Phone: 1–323–851–9964

INDOOR T-24 TENNIS GRANDSTAND

V & M ELECTRICAL ENGINEERING, INC.
3330 Barham Boulevard, Suite 204
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(323)851–9964 Fax (323)851–0153
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BUREAU OF ENGINEERING
OFFICIAL RECORD

BUREAU OF ENGINEERING
CITY OF LOS ANGELES
ENGINEERING
NO. REVISIONS: DATE: BY:
BUILDING NO.
INDEX NO. - RP 300094

BID SET SUBMITTAL
CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS
GARY LEE MOORE, PE, ENV SP CITY ENGINEER
ENGINEER: VLADIMIR TSIDULKO, PE LIC. NO. E11834
ARCHITECTURAL DIVISION
DESIGNED BY: V.T.
DRAWN BY: K.G.
CHECKED BY: V.T.
APPROVED BY: MAHMOOD KARIMZADEH, A.I.A., PRINCIPAL ARCHITECT
VERTICAL CONTROL:
HORIZONTAL CONTROL:
SHEET TITLE: INDOOR T-24 TENNIS SHOP
PROJECT: RANCHO CIENEGA SPORTS COMPLEX
ADDRESS: 5001 RODEO ROAD LOS ANGELES, CA 90016
WORK ORDER NO. E1907694
PLAN FILE NO.
DRAWING NO. E-14
SHEET OF SHEETS

REVISION DATES (DESIGN STAGE ONLY)
REVISION DATE: 10/24/2016 5:30 PM FILE: Z:\14-016 RANCHO CIENEGA SPORTS COMPLEX\DRAWINGS\REVIT\LINKS-AUTOCAD\ROE_TITLEBLOCK_CD_30PERCENT.DWG
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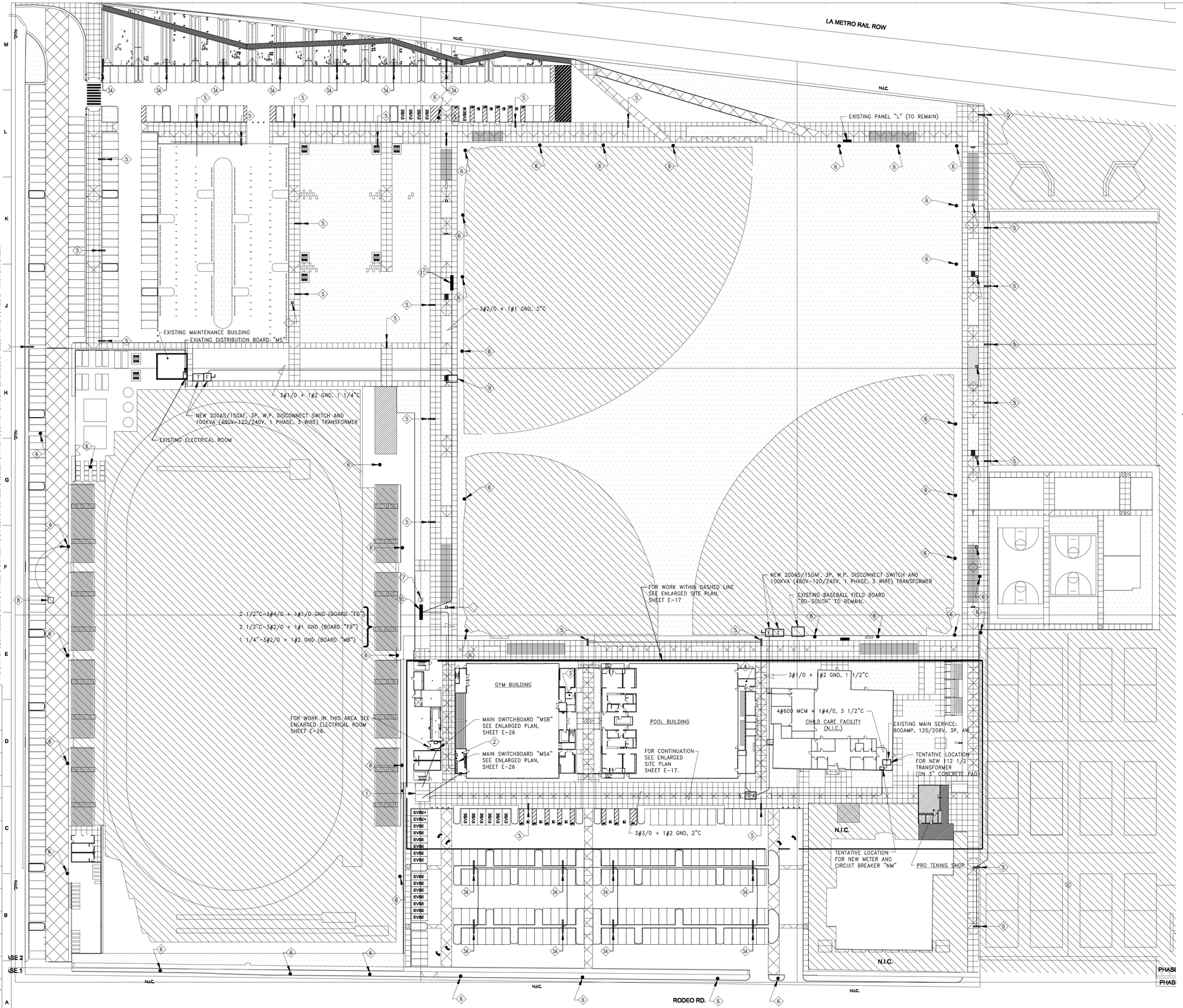

ELECTRICAL SITE PLAN

SCALE: 1" = 50'-0"

NUMBERED NOTES - (THIS SHEET ONLY)

1. TENTATIVE LOCATION FOR TWO (2) UTILITY COMPANY (DWP) PAD MOUNTED TRANSFORMERS. FOR DETAILS, SEE ENLARGED SITE PLAN, SHEET E-17.
2. MAIN ELECTRICAL ROOM. SEE ENLARGED PLAN, SHEET E-26.
3. GYM BUILDING ELECTRICAL ROOM. SEE ENLARGED PLAN, SHEET E-26.
4. POOL BUILDING ELECTRICAL ROOM. SEE ENLARGED PLAN, SHEET E-39.
5. SINGLE ARM: KESS MANUFACTURER, 15' HIGH POLE LINEA 450-WW-ME-277V-A-1SSR-AV-DIM-50 WATT
5A. DOUBLE ARM: KESS MANUFACTURER, 15' HIGH POLE LINEA 450-WW-ME-277V-B-1SSRH-DIM-100 WATT
6. EXISTING FOOTBALL AND BASEBALL FIELD LIGHTING POLES AND LUMINARIES TO REMAIN.
7. EXISTING FOOTBALL FIELD LIGHTING PANEL "FA" TO REMAIN.
8. EXISTING FOOTBALL FIELD LIGHTING PANEL "FD" TO BE RELOCATED.
9. PULLBOX 4' x 4' x 3' DEEP WITH TRAFFIC COVER, PRECAST CONCRETE.
10. TENTATIVE LOCATION FOR FOOTBALL FIELD POWER SYSTEM (BOARD "FD"). SEE DETAIL SHEET E-20.
11. TENTATIVE LOCATION FOR BASEBALL FIELD POWER SYSTEM (BOARD "BD"). SEE DETAIL SHEET E-20.
12. 2#10 + 1#10 GND, 3/4"C (24" BELOW GRADE MINIMUM).

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CITY OF LOS ANGELES

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BUILDING NO.

INDEX NO. - RP 300094

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DEPARTMENT OF PUBLIC WORKS

CITY OF LOS ANGELES

GARY LEE MOORE, PE, ENV SP CITY ENGINEER

DATE:

LIC. NO. E11834

ARCHITECTURAL DIVISION

ENGINEER: VLADIMIR TSIDULKO, PE

DESIGNED BY: V.T.

DRAWN BY: K.G.

CHECKED BY: V.T.

APPROVED BY: MAHMOOD KARIMZADEH, A.I.A., PRINCIPAL ARCHITECT

VERTICAL CONTROL:

HORIZONTAL CONTROL:

SHEET TITLE: RANCHO CIENEGA SPORTS COMPLEX

PROJECT: RANCHO CIENEGA SPORTS COMPLEX

ADDRESS: 5001 RODEO ROAD
LOS ANGELES, CA 90016

WORK ORDER NO. E1907694

PLAN FILE NO.

DRAWING NO. E-16

SHEET OF SHEETS

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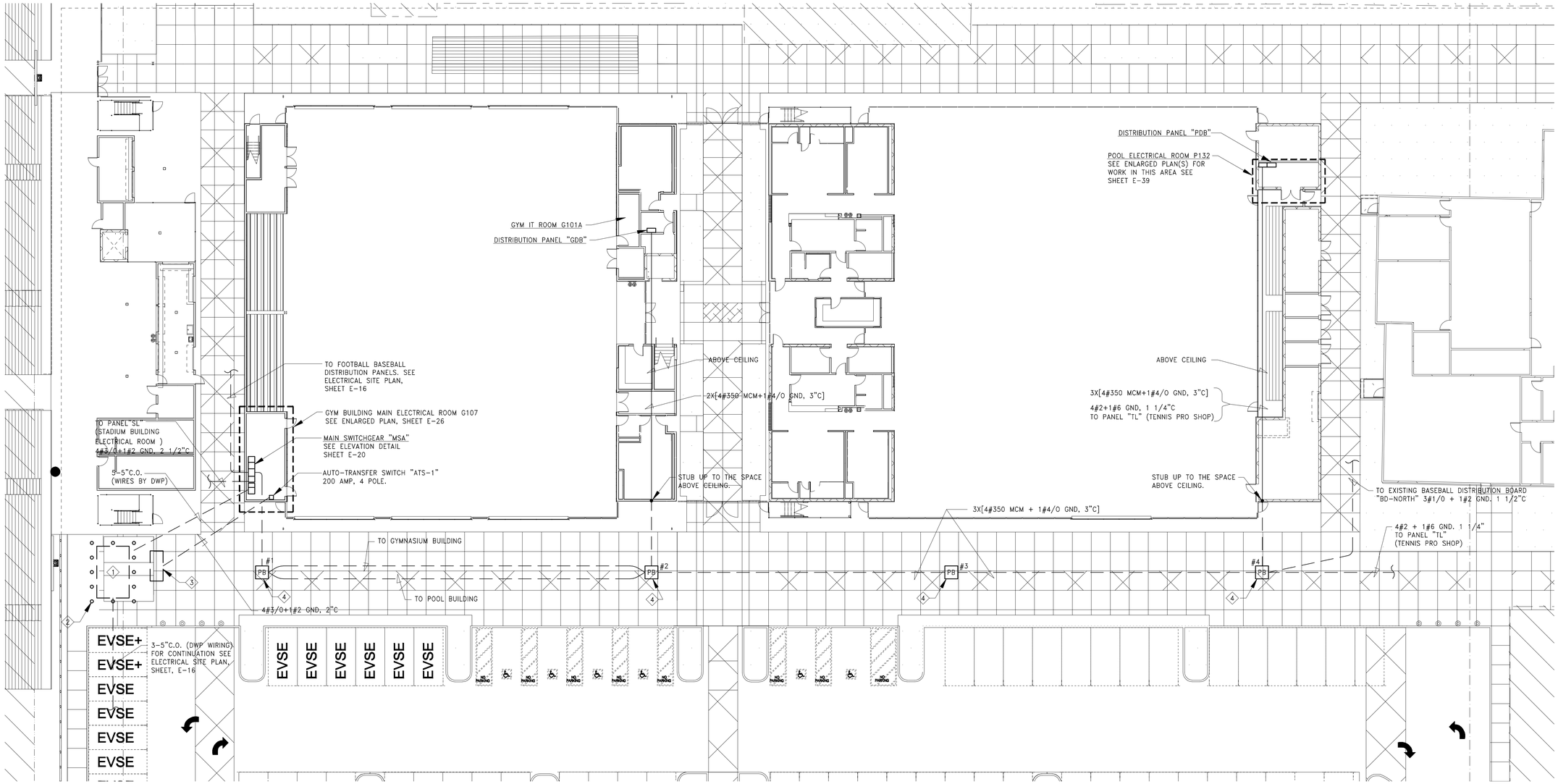

ENLARGED SITE PLAN NEW WORK

SCALE: 1/16" = 1'-0"

NUMBERED NOTES - (THIS SHEET ONLY)

1. TENTATIVE LOCATION OF DWP TRANSFORMER PAD. PROVIDE 10' x 8' x 6' HIGH CONCRETE PAD WITH UNDERGROUND PULLBOX. REFER TO DWP STANDARDS FOR THIS WORK.
2. PROTECTIVE BOLLARDS. 5" IN DIAMETER PVC PIPE FILLED WITH CONCRETE (TYPE II).
3. CONCRETE PAD x x x DEEP FOR EMERGENCY DIESEL GENERATOR SET.
4. UNDERGROUNDMPULLBOX 4' x 4' x 3' DEEP, PRECAST CONCRETE, WITH TRAFFIC COVER.

BUREAU OF ENGINEERING

OFFICIAL RECORD

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Los Angeles, CA 90068
(323)851-9964 Fax (323)851-0153
E-mail: vme@vmelectrical.com

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CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS

BUREAU OF ENGINEERING

ENGINEERING
CITY OF LOS ANGELES

NO.	REVISIONS:	DATE:	BY:

BUILDING NO.

INDEX NO. - RP 300094

GARY LEE MOORE, PE, ENV SP CITY ENGINEER
ARCHITECTURAL DIVISION
DATE:

ENGINEER: VLADIMIR TSIDULKO, PE LIC. NO. E11834
DESIGNED BY: V.T.
DRAWN BY: K.G.
CHECKED BY: V.T.
APPROVED BY: MAHMOOD KARIMZADEH, A.I.A., PRINCIPAL ARCHITECT

VERTICAL CONTROL:
HORIZONTAL CONTROL:
SHEET TITLE:

PROJECT: RANCHO CIENEGA SPORTS COMPLEX
ADDRESS: 5001 RODEO ROAD
LOS ANGELES, CA 90016

WORK ORDER NO. E1907694
PLAN FILE NO.
DRAWING NO. E-17
SHEET OF SHEETS

REVISION DATES (DESIGN STAGE ONLY)

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REVISION DATE: 10/24/2016 5:30 PM

REVISION DATES (DESIGN STAGE ONLY)

3#0 + 1#2 GND, 2"C
L = VD =

TO DWP CONNECTION POINT.

PAD MOUNTED TRANSFORMER #1 BY DWP

PAD MOUNTED TRANSFORMER #2 BY DWP

3X[4# 600 MCM + 1#4/0 GND, 3 1/2"C]
L = VD =

4#600 MCM + 1#4/0 GND, 3 1/2"C
L = 5' VD = NEG

PULL SECTION P-1

PULL SECTION P-2

2x[4#350 MCM + 1#3/0 GND, 3"C]
L = 5' VD = NEG

4#600 MCM + 1#4/0 GND, 3 1/2"C
L = 5' VD = NEG

GYMNASIUM BUILDING METERING SECTION AND PHOTOVOLTAIC SYSTEM INCOMMING SECTION "MGS"

PHOTOVOLTAIC INCOMMING SECTION

MAIN SERVICE SWITCHGEAR "MSA" (NEMA 3R ENCLOSURE) SEE ELEVATION DETAIL SHEET E-20

MAIN SERVICE SWITCHGEAR "MSB" (NEMA 3R ENCLOSURE) SEE ELEVATION DETAIL SHEET E-20

SWITCHGEAR SHALL BE BRACED FOR 65,000 AMP SHORT CIRCUIT CURRENT

AVAILABLE SHORT CIRCUIT CURRENT: ...AMP. SYMMETRICAL

1#1/0 MCM COPPER IN 3/4"C TO MAIN METAL COLD WATER PIPE AND GROUNDING ROD. 3 5

480/277V, 3#, 4W, 600A BUS

480/277V, 3#, 4W, 1200A BUS

480/277V, 3#, 4W, 1000A BUS

1#250 MCM COPPER IN 3/4"C TO MAIN METAL COLD WATER PIPE AND GROUNDING ROD.

1#4/0 MCM COPPER IN 3/4"C TO MAIN METAL COLD WATER PIPE AND GROUNDING ROD. 3 5

CT 1200:5

MAIN 1200A 3P

CT 1000:5

MAIN 1000A 3P

GFI

NEW METER "NM" AND CIRCUIT BREAKER IN NEMA 3 ENCLOSURE FOR CHILD CARE FACILITY.

200A 3P

"T-C" NEW 112 1/2KVA TRANSFORMER 480-120/208V, 3#, 4W (NEMA 3R ENCLOSURE)

CT 600:5

600A 3P

CT 400:5

400A 3P

800A 3P

150A 3P

200A 3P

CAR CHARGING METERING SECTION "CHM"

CT 400:5

400A 3P

1#1/0 CU GND., IN 3/4"C TO NEAREST METAL COLD WATER PIPE.

4#600 MCM + 1#4/0 GND, 3 1/2"C
L = VD =

2x[4#600MCM + 1#4/0 GND, 3 1/2"C]
L = VD =

3x[4#350MCM + 1 #4/0 GND, 3"C]
L = VD =

3#1/0 + 1#2 GND, 1 1/4"C
L = 300' VD =

4#3/0 + 1#2 GND, 2"C

4#3/0 + 1#2GND, 2 1/2"C

3#4/0 + 1#1/0 GND, 2 1/2"C

3#1 + 1#4 GND, 1 1/2"C

NEW 3#1/0 + 1#2 GND, 1 1/4"C
L = 500' VD =

TO EXISTING CHILD CARE MAIN SWITCHBOARD

RATED 120/208, 3 PHASE 800 AMP
MAXIMUM DEMAND FOE 2016: 13.6KWATT
BY DWP

TO GYMNASIUM BUILDING DISTRIBUTION BOARD "GDB" SEE SHEET E-25 FOR CONTINUATION

TO PHOTOVOLTAIC SYSTEM PANEL "PVB" SEE SHEET PV-2 FOR CONTINUATION

TO POOL BUILDING DISTRIBUTION BOARD "PDB" SEE SHEET E- FOR CONTINUATION

FUSED DISCONNECT SWITCH 200AS, 150AF, 2P, W.P.

TO AUTO-TRANSFER SWITCH "ATS-1" FOR CONTINUATION SEE SHEET E-19

FUSED DISCONNECT SWITCH 400AS, 225AF, 3P, W.P.

FUSED DISCONNECT SWITCH 200AS, 125AF, 3P, W.P.

FUSED DISCONNECT SWITCH 200AS, 150AF, 2P, W.P.

"T-24" 100KVA TRANSFORMER 480-120/208V, 3#, 4W

"T-CH" NEW 250KVA TRANSFORMER 480-120/208V, 3#, 4W

"T-2" 75KVA TRANSFORMER 480-120/208V, 3#, 4W LOCATED NEXT TO NEW BOARD "BD-NORTH"

"T-3" 100KVA TRANSFORMER 480-120/240V, 1#, 3W LOCATED NEXT TO MAINTENANCE BUILDING

1#1/0 CU GND., IN 3/4"C TO NEAREST METAL COLD WATER PIPE.

3#600MCM + 1#1/0 GND, 3"C
L = 15' VD = NEG

2x[4#600MCM + 1#4/0 GND 3 1/2"C]
L = VD =

4#1, 1 1/4"C
L = 10' VD = NEG

3#4, 1"C
L = 10' VD = NEG

4#1, 1 1/4"C
L = VD = NEG

3#3/0 + 1#1/0 GND, 2"C
L = VD =

3#2/0 + 1#1 GND, 2"C
L = VD =

3#3/0 + 1#10 GND, 2"C
L = VD =

3#2 CU GND., IN 3/4"C TO NEAREST METAL COLD WATER PIPE.

4#250 MCM + 1#1/0 GND, 2 1/2"C
L = 5' VD = NEG

3#2/0 + 1#2/0 GND, 1 1/4"C
L = 5' VD =

3#600MCM + 1#1/0 GND, 3"C
L = VD =

EXISTING BASEBALL FIELD DISTRIBUTION BOARD "BD-SOUTH" TO REMAIN AS IS (NEMA 3R ENCLOSURE)

400A 2P

120/240V, 1#, 3W, 400A BUS

225A 2P

EXISTING PANEL "L2" BASEBALL FIELD LIGHTING

EXISTING PANEL "P" TWISTLOCK & STRAIGHT BLADE OUTLETS

FOR INFORMATION ONLY
ALL PANELS AND OUTLETS ARE EXISTING TO REMAIN.

PANEL "SL"

80A/3P

100AS 80AF 3P

40 ELEVATOR

CONTROL PANEL (BY OTHERS)

45KVA TRANSFORMER 480-120/208V, 3#, 4W

125A 3P

PANEL "SP"

800A 3P

BOARD "CPH"

NEMA 3R ENCLOSURE SEE ELEVATION DETAIL, SHEET E-20

CAR CHARGING STATIONS
20 STATIONS @ 6.6 KWATT: 132 KWATT:
2 STATIONS @ 50 KWATT: 100 KWATT:
TOTAL: 232 KWATT:

SINGLE LINE DIAGRAM
NOT TO SCALE

NOTE:

1. ALL EQUIPMENT, FEEDERS AND TRANSFORMERS ARE NEW EXCEPT EQUIPMENT AND FEEDERS IDENTIFIED AS "EXISTING".

200A 3P

120/208V, 3#, 4W, 600A BUS

200A 2P PHASE A-B

200A 2P PHASE B-C

200A 2P PHASE A-C

EXISTING PANEL "FC"

EXISTING PANEL "FA"

EXISTING PANEL "FD-B"

FOOTBALL FIELD DISTRIBUTION BOARD "FD" (NEMA 3R ENCLOSURE) SEE ELECTION DETAIL SHEET E-20

PANEL TO REPLACE EXISTING PANELS "FD" & "FB" LOCATED IN THE STRUCTURE TO BE DEMOLISHED

200A 3P

120/208V, 3#, 4W, 400A BUS

200A 2P PHASE A-B

200A 2P PHASE B-C

EXISTING PANEL "L"

EXISTING PANEL BASE-A

BASEBALL FIELD DISTRIBUTION BOARD "BD-NORTH" (NEMA 3R ENCLOSURE) SEE ELEVATION DETAIL SHEET E-20

TO REPLACE EXISTING PANEL "BB2" LOCATED IN THE STRUCTURE TO BE REMOVED

EXISTING GROUNDING TO REMAIN.

METER #M1916318 (TO BE REMOVED)

400A 2P

120/240V, 1#, 3W, 400A BUS

100A 2P 1 CIRCUIT 13,15

50A 3P CIRCUIT 17,19

100A 2P CIRCUIT 14,16

50A 3P CIRCUIT 18,20

100A 2P CIRCUIT 20,22

BUILT-IN PANEL "MA-1" 24-1POLE SPACES

200AS 175AF 3P

EXISTING DISTRIBUTION BOARD "MB" (EXISTING MAINTANENCE BUILDING) SEE ELEVATION DETAIL, SHEET E-20

TO EXISTING LOADS

NEW PANEL "CHP-1"

EXISTING PANEL "A"

ELECTRIC CARS CHARGING STATION
5 STATIONS @
6.6 KWATT: 33 KWATT

NUMBERED NOTES - (THIS SHEET ONLY)

1. REQUEST DWP TO REMOVE EXISTING METER AND CIRCUITS INSTALL JUMPERS IF NECESSARY.
2. CALCULATED SHORT CIRCUIT CURRENT
3. GROUNDING ROD 10' LONG 3/4" DIAMETER COPPER.
4. CIRCUIT BREAKER SHALL HAVE AMP INTURRUPTING CAPACITY.
5. BOND TOGETHER GROUNDING ELECTRODES WITH 1-400MCM BARE COPPER WIRE.

SERVICE SWITCHGEAR "MSA"
CONDUCTOR CALCULATOR
(N.E.C. 250-30 (3) (a)

1. CROSS SECTION OF INCOMING CONDUCTORS:

3 x 600 MCM = 1800 MCM
12.5% OF 1800 MCM = 225 MCM
GROUNDING ELECTRODE CONDUCTOR SHALL BE 250 MCM, COPPER

SERVICE SWITCHGEAR "MSB"
CONDUCTOR CALCULATOR
(N.E.C. 250-30 (3) (a)

2. CROSS SECTION OF INCOMING CONDUCTORS:

3 x 350 MCM = 1050 MCM
12.5% OF 1050 MCM = 131 MCM
GROUNDING ELECTRODE CONDUCTOR SHALL BE #4/0, COPPER

GENERAL NOTES:

1. FOR PANEL SCHEDULES SEE SHEET E- AND E-.

BUREAU OF ENGINEERING
OFFICIAL RECORD

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Los Angeles, CA 90068
(323)851-9964 Fax (323)851-0153
E-mail: vme@vmelectrical.com

BID SET SUBMITTAL

CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS

BUREAU OF ENGINEERING

CITY OF LOS ANGELES ENGINEERING

NO.	REVISIONS:	DATE:	BY:

BUILDING NO.

INDEX NO. - RP 300094

GARY LEE MOORE, PE, ENV SP CITY ENGINEER
LIC. NO. E11834
DATE:

ARCHITECTURAL DIVISION
ENGINEER: VLADIMIR TSIDULKO, PE
DESIGNED BY: V.T.
DRAWN BY: K.G.
CHECKED BY: V.T.
APPROVED BY: MAHMOOD KARIMZADEH, A.I.A., PRINCIPAL ARCHITECT

WORK ORDER NO. E1907694

PLAN FILE NO.

DRAWING NO. E-18

SHEET OF SHEETS

SHEET TITLE: - MAIN SINGLE LINE DIAGRAM

PROJECT: RANCHO CIENEGA SPORTS COMPLEX

ADDRESS: 5001 RODEO ROAD LOS ANGELES, CA 90016

VERTICAL CONTROL:

HORIZONTAL CONTROL:

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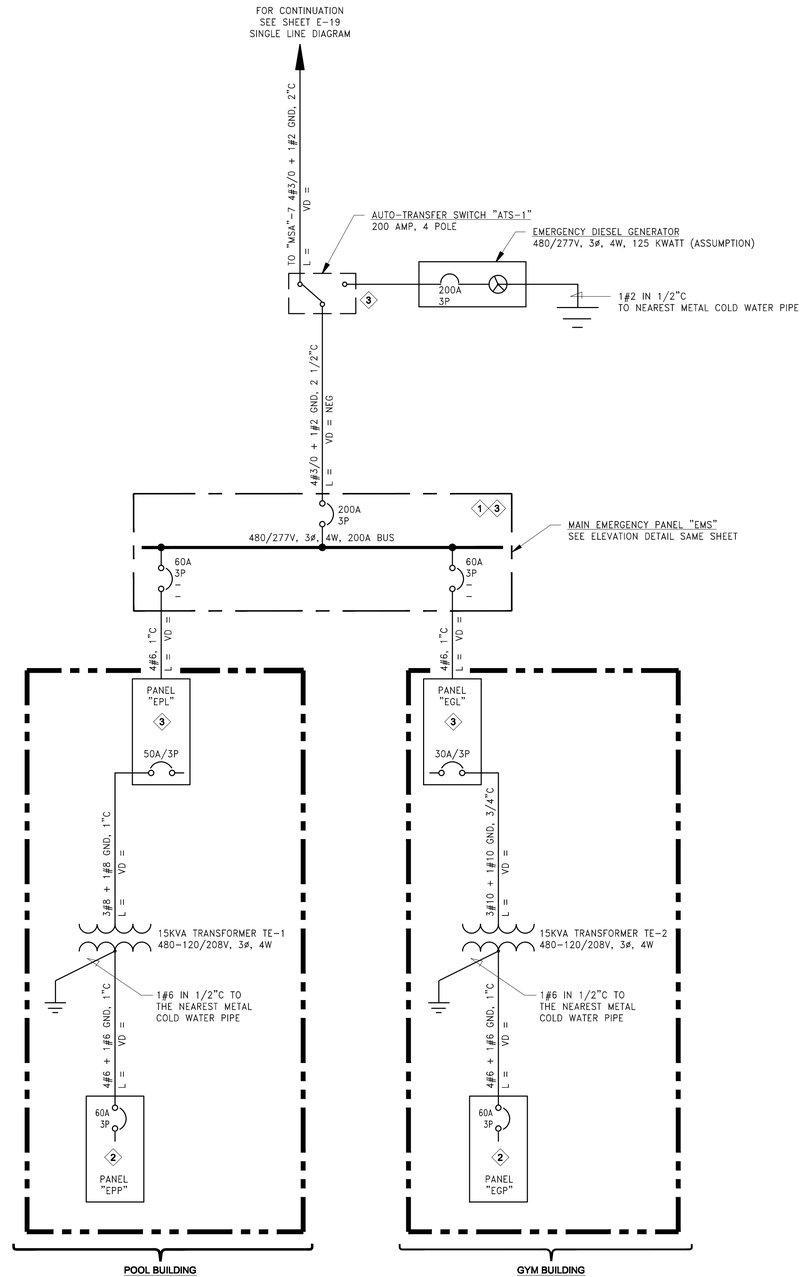
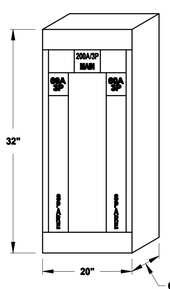
REVISION DATE: 10/24/2016 5:30 PM FILE: Z:\14-018 RANCHO CIENEGA SPORTS COMPLEX\DRAWINGS\REVITLINKS-AUTOCADBOE_TITLEBLOCK_CD_80PERCENT.DWG





EMERGENCY SYSTEM SINGLE LINE DIAGRAM

NOT TO SCALE

GENERAL NOTES

1. FOR PANEL SCHEDULES SEE SHEET G-E11 AND G-E12.

EMERGENCY SYSTEM SINGLE LINE DIAGRAM

NOT TO SCALE

NUMBERED NOTES - (THIS SHEET ONLY)

1. PANEL SHALL HAVE.... AMP SHORT CIRCUIT CURRENT RATING.
2. PANEL SHALL HAVE 10,000AMP SHORT CIRCUIT CURRENT RATING.
3. CALCULATED SHORT CIRCUIT CURRENT.....

V & M ELECTRICAL ENGINEERING, INC.
3330 Barham Boulevard, Suite 204
Los Angeles, CA 90068
(323)851-9964 Fax (323)851-0153
E-mail: vme@vmelectrical.com

BUREAU OF ENGINEERING
OFFICIAL RECORD

BID SET SUBMITTAL

CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS

BUREAU OF ENGINEERING

ENGINEERING
CITY OF LOS ANGELES

NO.	REVISIONS:	DATE:	BY:

BUILDING NO.

INDEX NO. - RP 300094

VERTICAL CONTROL:	
HORIZONTAL CONTROL:	
SHEET TITLE: -	EMERGENCY SINGLE LINE DIAGRAM
PROJECT:	RANCHO CIENEGA SPORTS COMPLEX
ADDRESS:	5001 RODEO ROAD LOS ANGELES, CA 90016

GARY LEE MOORE, PE, ENV SP CITY ENGINEER
ARCHITECTURAL DIVISION

ENGINEER: VLADIMIR TSIDULKO, PE	LIC. NO. E11834	DATE:
DESIGNED BY: V.T.		
DRAWN BY: K.G.		
CHECKED BY: V.T.		
APPROVED BY: MAHMOOD KARIMZADEH, A.I.A., PRINCIPAL ARCHITECT		

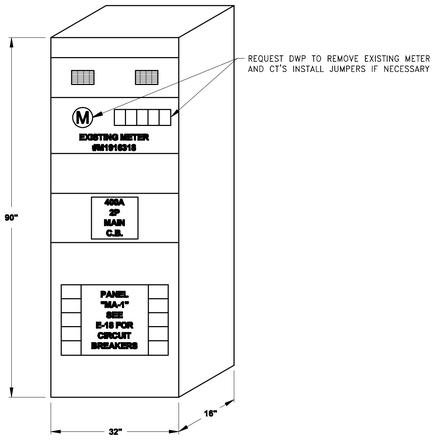
WORK ORDER NO.
E1907694

PLAN FILE NO.

DRAWING NO.
E-19

SHEET OF SHEETS

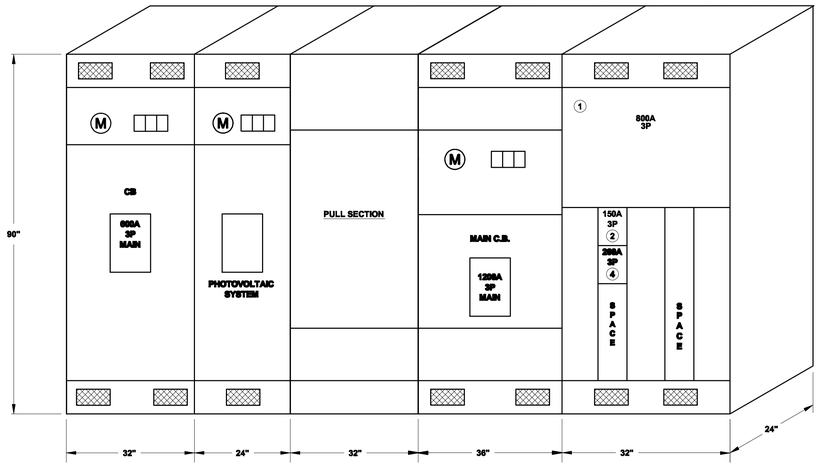
REVISION DATES (DESIGN STAGE ONLY)
A
B
C
D
E
F
G
H
K
L
M
Q



EXISTING DISTRIBUTION BOARD "MB"

ELEVATION DETAIL

NOT TO SCALE



GYM MEERING SECTION "MGS"

ELEVATION DETAIL

NOT TO SCALE

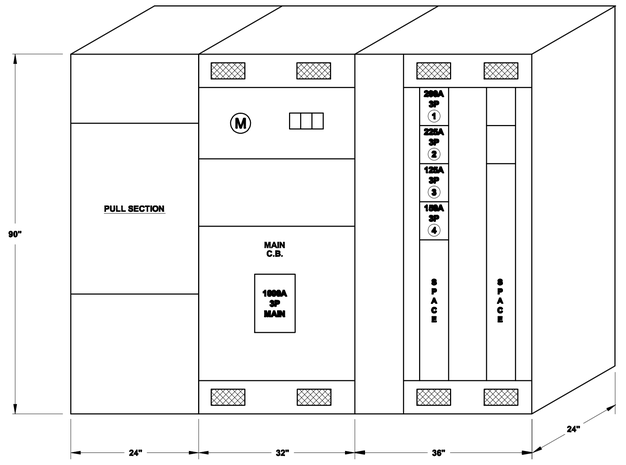
(SEE SINGLE LINE DIAGRAM, SHEET E-18)

MAIN SERVICE SWITCHGEAR "MSA"

ELEVATION DETAIL

NOT TO SCALE

(SEE SINGLE LINE DIAGRAM, SHEET E-18)

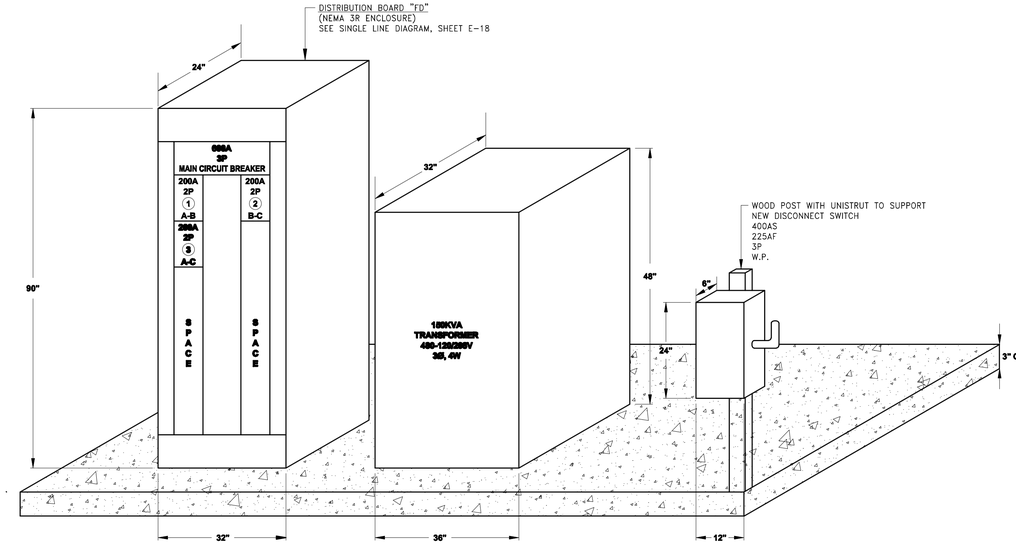


MAIN SERVICE SWITCHGEAR "MSB"

ELEVATION DETAIL

NOT TO SCALE

(SEE SINGLE LINE DIAGRAM, SHEET E-18)



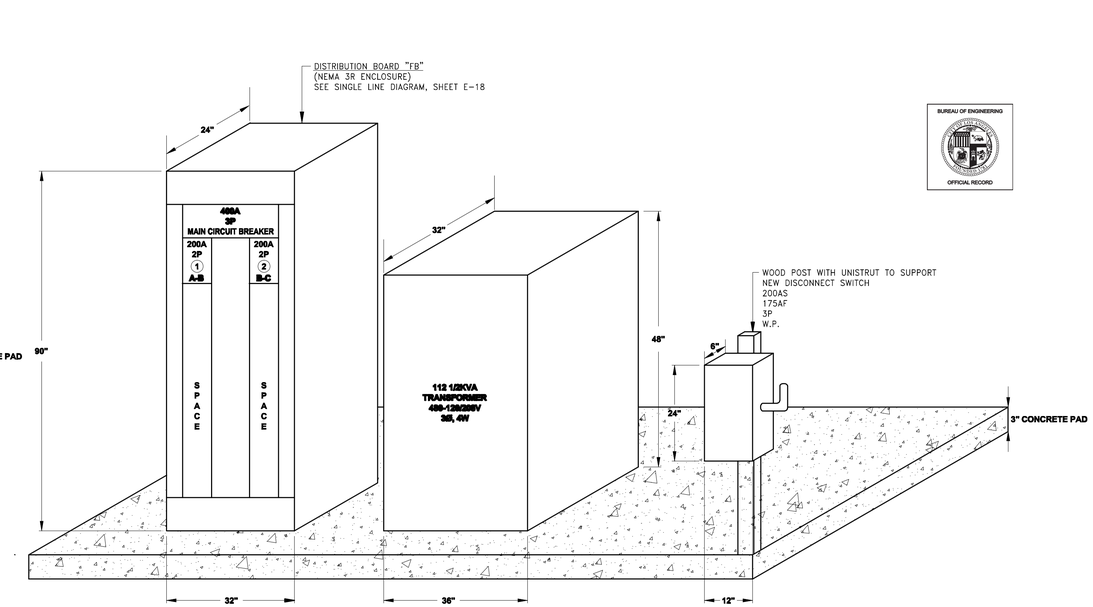
ELEVATION DETAIL

FOR FOOTBALL FIELD DICTRIBUTION SYSTEM

NOT TO SCALE

NOTE:

PROVIDE CHAIN LINK FENCE (OR OTHER TYPE OF PROTECTION)
AROUND THIS ELECTRICAL STRUCTURE



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ELEVATION DETAIL

FOR BASEBALL FIELD DISTRIBUTION SYSTEM "BD-NORTH"

NOT TO SCALE

NOTE:

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CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS

BUREAU OF ENGINEERING

ENGINEERING

CITY OF LOS ANGELES

NO.	REVISIONS:	DATE:	BY:

BUILDING NO.

INDEX NO. - RP 300094

GARY LEE MOORE, PE, ENV SP CITY ENGINEER

ARCHITECTURAL DIVISION

ENGINEER: VLADIMIR TSIDULKO, PE LIC. NO. E11834 DATE:

DESIGNED BY: V.T.

DRAWN BY: K.G.

CHECKED BY: V.T.

APPROVED BY: MAHMOOD KARIMZADEH, A.I.A., PRINCIPAL ARCHITECT

VERTICAL CONTROL:

HORIZONTAL CONTROL:

SHEET TITLE: ELECTRICAL ELEVATIONS

PROJECT: RANCHO CIENEGA SPORTS COMPLEX

ADDRESS: 5001 RODEO ROAD
LOS ANGELES, CA 90016

WORK ORDER NO.
E1907694

PLAN FILE NO.

DRAWING NO.
E-20

SHEET OF SHEETS

REVISION DATES (DESIGN STAGE ONLY)

REVISION DATE: 10/24/2018 5:30 PM FILE: Z:\14-018 RANCHO CIENEGA SPORTS COMPLEX\DRAWINGS\REVIT\LINKS-AUTOCAD\BOE_1TITLEBLOCK_CD_80PERCENT.DWG

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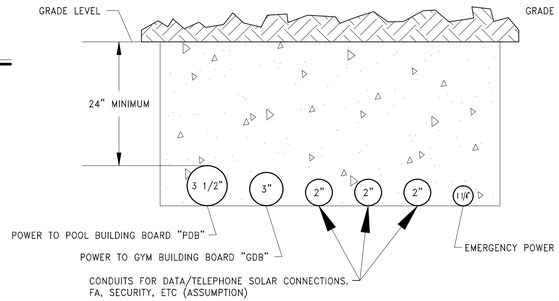
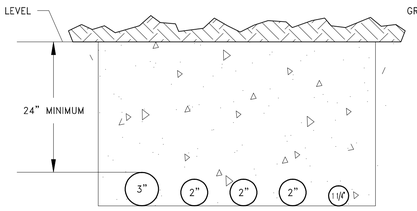
NUMBERED NOTES - (THIS SHEET ONLY)

1. TENTATIVE LOCATION OF DWP TRANSFORMER PAD. PROVIDE 10' x 8' x 6' HIGH CONCRETE PAD WITH UNDERGROUND PULLBOX. REFER TO DWP STANDARDS FOR THIS WORK.
2. PROTECTIVE BOLLARDS. 5" IN DIAMETER PVC PIPE FILLED WITH CONCRETE (TYPE II).
3. CONCRETE PAD x x x DEEP FOR EMERGENCY DIESEL GENERATOR SET.
4. UNDERGROUNDMPULLBOX 4' x 4' x 3' DEEP, PRECAST CONCRETE, WITH TRAFFIC COVER.



SECTION A-A

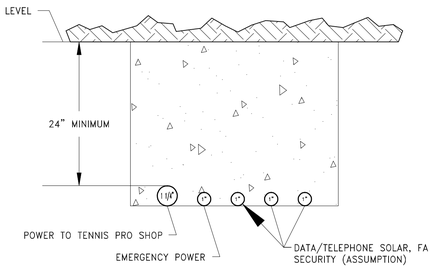
NOT TO SCALE



SECTION B-B

NOT TO SCALE

FOR CONDUIT DESIGNATION AND USE SEE SECTION A-A



SECTION C-C

NOT TO SCALE

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CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS

BUREAU OF ENGINEERING

ENGINEERING

CITY OF LOS ANGELES

NO.	REVISIONS:	DATE:	BY:

BUILDING NO.

INDEX NO. - RP 300094

VERTICAL CONTROL:

HORIZONTAL CONTROL:

SHEET TITLE:

PROJECT: RANCHO CIENEGA SPORTS COMPLEX

ADDRESS: 5001 RODEO ROAD
LOS ANGELES, CA 90016

GARY LEE MOORE, PE, ENV SP CITY ENGINEER

ARCHITECTURAL DIVISION

ENGINEER: VLADIMIR TSIDULKO, PE LIC. NO. E11834 DATE:

DESIGNED BY: V.T.

DRAWN BY: K.G.

CHECKED BY: V.T.

APPROVED BY: MAHMOOD KARIMZADEH, A.I.A., PRINCIPAL ARCHITECT

WORK ORDER NO. E1907694

PLAN FILE NO.

DRAWING NO. E-21

SHEET OF SHEETS

REVISION DATES (DESIGN STAGE ONLY)

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NEW PANEL "TP"

120/208 V 3 PHASE 4 WIRE BUS 100A MAIN 60A/3P
WALL MOUNTED FEEDER 4#6, 1"C LOCATION TENNIS PRO SHOP

LOCATION	CKT	A	B	C	LTG	REC	MIS	LCL	C.B.	C.B.	LCL	MIS	REC	LTG	A	B	C	CKT	LOCATION
① OUTLETS	1	900				5			20 / 1	20 / 1			1		180			2	ROOF OUTLETS
P.O.S	3		180			1										–		4	
① OUTLETS	5			900		5											–	6	
	7	–													–			8	
	9		–													–		10	
	11			–													–	12	
	13	–													–			14	
	15		–													–		16	
	17			–													–	18	
	19																	20	
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	23																	24	
	25																	26	
	27																	28	
	29																	30	
	31																	32	
	33																	34	
	35																	36	
	37																	38	
	39																	40	
	41																	42	
TOTAL		–	–	–											–	–	–		TOTAL

PHASE A – PHASE B – PHASE C – TOTAL – AMPS –
LCL – 0.25 LCL – TOTAL – PANEL AMPS –

① PROVIDE BREAKERS COMMON HANDLE

NEW PANEL "PG-1"

120/208 V 3 PHASE 4 WIRE BUS 225A MAIN 225A/3P
WALL MOUNTED FEEDER 4#4/0, 2 1/2"C LOCATION ROOM G011/GYM BUILDING

LOCATION	CKT	A	B	C	LTG	REC	MIS	LCL	C.B.	C.B.	LCL	MIS	REC	LTG	A	B	C	CKT	LOCATION
ROOM G011 OUTLETS	1	720				4			20 / 1	20 / 1			5		900			2	CONTROL OUT. G200, G201
" "	3		900			5							4			720		4	G200, G201, G201A
	5			–									4				720	6	G200, G201, G202
	7	–					–						6		1080			8	STAIR G201, G203
	9		–										3			540		10	CONTROL OUTLETS G203
	11			–														12	
	13																	14	
	15																	16	
	17																	18	
	19																	20	
	21																	22	
	23																	24	
	25																	26	
	27																	28	
	29																	30	
	31																	32	
	33																	34	
	35																	36	
	37																	38	
PANEL "PG-2"	39								100									40	
	41								3									42	
TOTAL		–	–	–											–	–	–		TOTAL

PHASE A – PHASE B – PHASE C – TOTAL – AMPS –
LCL – 0.25 LCL – TOTAL – PANEL AMPS –

① PROVIDE JOIN HANDLE

NEW PANEL "PG-2"

120/208 V 3 PHASE 4 WIRE BUS 100A MAIN LUGS
WALL MOUNTED FEEDER 4#2, 1 1/4"C LOCATION ROOM G107/GYM BUILDING

LOCATION	CKT	A	B	C	LTG	REC	MIS	LCL	C.B.	C.B.	LCL	MIS	REC	LTG	A	B	C	CKT	LOCATION
ROOM G107 OUTLETS	1	720				4			20 / 1						–			2	
OUTLETS	3		540			3										–		4	
	5			–													–	6	
	7	–					–											8	
	9		–															10	
	11			–														12	
	13	–																14	
	15		–															16	
	17			–			–											18	
	19	–																20	
	21																	22	
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	25																	26	
	27																	28	
	29																	30	
	31																	32	
	33																	34	
	35																	36	
	37																	38	
	39																	40	
	41																	42	
TOTAL		–	–	–											–	–	–		TOTAL

PHASE A – PHASE B – PHASE C – TOTAL – AMPS –
LCL – 0.25 LCL – TOTAL – PANEL AMPS –

NEW PANEL "SP"

120/208 V 3 PHASE 4 WIRE BUS 125A MAIN 125A/3P
WALL MOUNTED FEEDER 4#1, 1 1/4"C LOCATION STADIUM OVERLOOK

LOCATION	CKT	A	B	C	LTG	REC	MIS	LCL	C.B.	C.B.	LCL	MIS	REC	LTG	A	B	C	CKT	LOCATION
② CONCESSION P.O.S	1	180				1			20 / 1	20 / 1			6		1080			2	OUTLETS
" "	3		180			1							1			180		4	TICKET P.O.S
② OUTLETS	5			1080		6							6				1080	6	OVERLOOK LEVEL OUTLETS ②
" "	7	900				5							6		1080			8	" " "
PRESSBOX	9		1080			3												10	
	11																	12	
	13																	14	
	15																	16	
	17																	18	
	19																	20	
	21																	22	
	23																	24	
	25																	26	
	27																	28	
	29																	30	
	31																	32	
	33																	34	
	35																	36	
	37																	38	
	39																	40	
	41																	42	
TOTAL		–	–	–											–	–	–		TOTAL

PHASE A – PHASE B – PHASE C – TOTAL – AMPS –
LCL – 0.25 LCL – TOTAL – PANEL AMPS –

② –

NEW PANEL "M"

120/208 V 3 PHASE 4 WIRE BUS 225A MAIN 225A/3P
WALL MOUNTED FEEDER 4#4/0, 2 1/2"C LOCATION POOL ELECTRICAL ROOM

LOCATION	CKT	A	B	C	LTG	REC	MIS	LCL	C.B.	C.B.	LCL	MIS	REC	LTG	A	B	C	CKT	LOCATION
CU-2	1	2990				1			40	40			1		2880			2	CU-4
	3		2990						2							2880		4	
EF-2	5			804		1			20 / 1	3							2880	6	
EF-3	7	804								50 ✓					3988			8	CU-5
EF-5	9		408							✓						3988		10	
	11									3 ✓							3988	12	
	13																	14	
	15																	16	
	17																	18	
	19																	20	
	21																	22	
	23																	24	
	25																	26	
	27																	28	
	29																	30	
	31																	32	
	33																	34	
	35																	36	
PANEL "PL"	37								100									38	
	39								3									40	
	41																	42	
TOTAL		–	–	–											–	–	–		TOTAL

PHASE A – PHASE B – PHASE C – TOTAL – AMPS –
LCL – 0.25 LCL – TOTAL – PANEL AMPS –

NEW PANEL "GMP"

120/208 V 3 PHASE 4 WIRE BUS 100A MAIN 100A/3P
WALL MOUNTED FEEDER 4#2, 1 1/4"C LOCATION –

LOCATION	CKT	A	B	C	LTG	REC	MIS	LCL	C.B.	C.B.	LCL	MIS	REC	LTG	A	B	C	CKT	LOCATION
CU-1	1	3000				5			40	50					3960			2	CU-3
	3		3000			1			2							3960		4	
EF-6	5			408		5			20 / 1	3							3960	6	
EF-7	7	408																8	
	9																	10	
	11																	12	
	13																	14	
	15																	16	
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	33																	34	
	35																	36	
	37																	38	
	39																	40	
	41																	42	
TOTAL		–	–	–											–	–	–		TOTAL

PHASE A – PHASE B – PHASE C – TOTAL – AMPS –
LCL – 0.25 LCL – TOTAL – PANEL AMPS –

NEW PANEL "PP2"

120/208 V 3 PHASE 4 WIRE BUS –A MAIN –A/–P
WALL MOUNTED FEEDER –"C LOCATION ELECTRL ROOM – P132

LOCATION	CKT	A	B	C	LTG	REC	MIS	LCL	C.B.	C.B.	LCL	MIS	REC	LTG	A	B	C	CKT	LOCATION
CONTROL OUT. P103, P102, P106	1	1080				6			20 / 1	20 / 1		1			900			2	GARBAGE DISPOSAL P204
CONVEN. OUT. P103, P102, P106	3		1080			6							5			900		4	CONTROL OUTLETS P202
CONVEN. OUT. P128, P125, P130	5			1080		6							1				180	6	DEDICATED OUTLETS P204 ①
① P115, P121, P122, P116	7	1260				7							6		1080			8	P204, P203, P202
P104, P100, P105	9		1080			6							6			1080		10	P205 ①
P113, P114, P110, P109, P104	11			1260		7							6				1080	12	P206, P205
	13												6		1080			14	P200, P201, P202
	15																	16	
	17																	18	
	19																	20	
	21																	22	
	23																	24	
	25																	26	
	27																	28	
	29																	30	
	31																	32	
	33																	34	
	35																	36	
	37								100									38	
	39								3									40	
	41																	42	
TOTAL		–	–	–											–	–	–		TOTAL

PHASE A – PHASE B – PHASE C – TOTAL – AMPS –
LCL – 0.25 LCL – TOTAL – PANEL AMPS –

① PROVIDE JOIN HANDLE

NOT USED PANEL ?

120/208 V 3 PHASE 4 WIRE BUS –A MAIN –
WALL MOUNTED FEEDER – LOCATION –

LOCATION	CKT	A	B	C	LTG	REC	MIS	LCL	C.B.	C.B.	LCL	MIS	REC	LTG	A	B	C	CKT	LOCATION
–	1	–							1	–		–			–			2	–
–	3		–							2						–		4	–
–	5			–			–	✓	–	1 ✓		–					–	6	–
–	7	–						✓	2	– ✓								8	–
–	9								–	2								10	–
–	11																	12	
–	13								3									14	
	15																	16	
	17																	18	
	19																	20	
	21																	22	
	23																	24	
	25																	26	
	27																	28	
	29																	30	
	31																	32	
	33																	34	
	35																	36	
	37																	38	
	39																	40	
	41																	42	
TOTAL		–	–	–											–	–	–		TOTAL

PHASE A –W PHASE B –W PHASE C –W TOTAL –W AMPS –
LCL –W 0.25 LCL –W TOTAL –W PANEL AMPS –

◇ –

BUREAU OF ENGINEERING
OFFICIAL RECORD

V & M ELECTRICAL ENGINEERING, INC.
3330 Barham Boulevard, Suite 204
Los Angeles, CA 90068
(323)851-9964 Fax (323)851-0153
E-mail: vme@vmelectricql.com

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FILE: Y:\RANCHO CIENEGA SCI\ELECTRICAL FOLDER(S)\ACTIVE NOW CONSTRUCTION DOCUMENTS\E-23.DWG

REVISION DATE: 12/1/2016 4:24 PM

REVISION DATES (DESIGN STAGE ONLY)

BUREAU OF ENGINEERING

CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS

SCHEMATIC DESIGN

LA DPW BUREAU OF ENGINEERING

NO. REVISIONS: DATE: BY:

BUILDING NO. XXXX

INDEX NO. - RP 300094

REGISTERED PROFESSIONAL ENGINEER
VLADIMIR TSYDIPOV
E11834
EXP. 09/30/16
ELECTRICAL
STATE OF CALIFORNIA

GARY LEE MOORE, PE, ENV SP CITY ENGINEER
ARCHITECTURAL DIVISION
ARCHITECT: ZOLTAN E. PALI LIC. NO. C-19741 DATE:
DESIGNED BY:
DRAWN BY:
CHECKED BY:
APPROVED BY: MAHMOOD KARIMZADEH, A.I.A., PRINCIPAL ARCHITECT

VERTICAL CONTROL:
HORIZONTAL CONTROL:

SHEET TITLE:

PROJECT: RANCHO CIENEGA SPORTS COMPLEX
ADDRESS: 5001 RODEO ROAD
LOS ANGELES, CA 90016

WORK ORDER NO. E1907694
PLAN FILE NO.
DRAWING NO. E-23
SHEET 1 OF SHEETS -

NEW PANEL "SL"

480/277 V 3 PHASE 4 WIRE BUS 225A MAIN LUGS
WALL MOUNTED FEEDER 4#3/0 + 1#2 GND, 2 1/2"C LOCATION STADIUM

LOCATION	CKT	A	B	C	LTG	REC	MIS	LCL	C.B.	C.B.	LCL	MIS	REC	LTG	A	B	C	CKT	LOCATION
ELEVATOR	1	–							15/3	20/1					–			2	–
	3		–													–		4	
	5			–													–	6	
	7	–					–								–			8	
	9		–													–		10	
	11			–													–	12	
	13	–													–			14	
	15		–													–		16	
	17			–			–										–	18	
	19	–													–			20	
	21																	22	
	23																	24	
	25																	26	
	27																	28	
	29																	30	
	31																	32	
	33																	34	
	35																	36	
45 KVA XFMR	37								70									38	
(PANEL SP)	39																	40	
	41								3	3								42	
TOTAL		–	–	–											–	–	–		TOTAL

PHASE A – PHASE B – PHASE C – TOTAL – AMPS –
LCL – 0.25 LCL – TOTAL – PANEL AMPS –

① –

NEW PANEL "TL"

480/277 V 3 PHASE 4 WIRE BUS 100A MAIN LUGS
WALL MOUNTED FEEDER 4#2 + 1#6 GND, 1 1/4"C LOCATION TENNIS PRO SHOP

LOCATION	CKT	A	B	C	LTG	REC	MIS	LCL	C.B.	C.B.	LCL	MIS	REC	LTG	A	B	C	CKT	LOCATION
TRANSFORMER T-3	1	–							30	1					–			2	–
	3		–													–		4	
	5			–					3								–	6	
	7	–					–								–			8	
	9		–													–		10	
	11			–													–	12	
	13																	14	
	15																	16	
	17																	18	
	19																	20	
	21																	22	
	23																	24	
	25																	26	
	27																	28	
	29																	30	
	31																	32	
	33																	34	
	35																	36	
	37																	38	
	39																	40	
	41																	42	
TOTAL		–	–	–											–	–	–		TOTAL

PHASE A – PHASE B – PHASE C – TOTAL – AMPS –
LCL – 0.25 LCL – TOTAL – PANEL AMPS –

① –

– PANEL "FC"

480/277 V 1 PHASE 3 WIRE BUS 400A MAIN 400/2P
WALL MOUNTED FEEDER – LOCATION –

LOCATION	CKT	A	B	C	LTG	REC	MIS	LCL	C.B.	C.B.	LCL	MIS	REC	LTG	A	B	C	CKT	LOCATION
	1	–							60	30					–			2	
	3		–						2	30						–		4	
	5			–					30	2							–	6	
	7	–					–		2	30					–			8	
	9		–						30	2						–		10	
	11			–					2	30							–	12	
	13	–							30	2					–			14	
	15		–						2	30						–		16	
	17			–			–		30	2							–	18	
	19	–							2	30					–			20	
SPACE	21									2								22	SPACE
	23																	24	
	25																	26	
	27																	28	
	29																	30	
	31																	32	
	33																	34	
	35																	36	
	37																	38	
	39																	40	
	41																	42	
TOTAL		–	–	–											–	–	–		TOTAL

PHASE A – PHASE B – PHASE C – TOTAL – AMPS –
LCL – 0.25 LCL – TOTAL – PANEL AMPS –

① –

– PANEL "FD"

480/277 V 1 PHASE 3 WIRE BUS 225A MAIN 50/2P
WALL MOUNTED FEEDER – LOCATION –

LOCATION	CKT	A	B	C	LTG	REC	MIS	LCL	C.B.	C.B.	LCL	MIS	REC	LTG	A	B	C	CKT	LOCATION
	1	–							15/1	20/2					–			2	
	3		–						20/1							–		4	
	5			–													–	6	SPACE
SPACE	7																	8	
	9																	10	
	11																	12	
	13																	14	
	15																	16	
	17																	18	
	19																	20	
	21																	22	
	23																	24	
	25																	26	
	27																	28	
	29																	30	
	31																	32	
	33																	34	
	35																	36	
	37																	38	
	39																	40	
	41																	42	
TOTAL		–	–	–											–	–	–		TOTAL

PHASE A – PHASE B – PHASE C – TOTAL – AMPS –
LCL – 0.25 LCL – TOTAL – PANEL AMPS –

① –

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REVISION DATES (DESIGN STAGE ONLY)

BUREAU OF ENGINEERING
OFFICIAL RECORD

SCHEMATIC DESIGN

CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS

VERTICAL CONTROL:
HORIZONTAL CONTROL:

SHEET TITLE: PANEL SCHEDULES - 480 VOLT
PROJECT: RANCHO CIENEGA SPORTS COMPLEX
ADDRESS: 5001 RODEO ROAD LOS ANGELES, CA 90016

GARY LEE MOORE, PE, ENV SP CITY ENGINEER
ARCHITECTURAL DIVISION
LIC. NO. C-19741
ARCHITECT: ZOLTAN E. PALI
DESIGNED BY:
DRAWN BY:
CHECKED BY:
APPROVED BY: MAHMOOD KARIMZADEH, A.I.A., PRINCIPAL ARCHITECT
DATE:

BUREAU OF ENGINEERING
LA DPW
ENGINEERING
LOS ANGELES

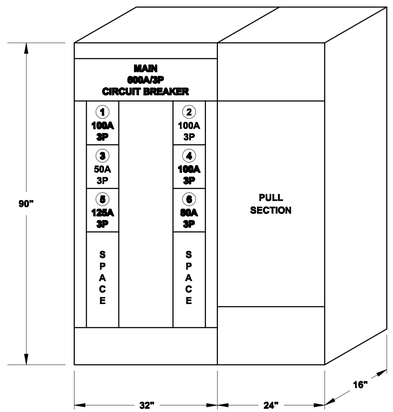
DATE: BY:
NO. REVISIONS:

BUILDING NO. XXXX
INDEX NO. - RP 300094

REGISTERED PROFESSIONAL ENGINEER
VLADIMIR TSYDILKO
E11834
EXP. 09/30/16
ELECTRICAL
STATE OF CALIFORNIA

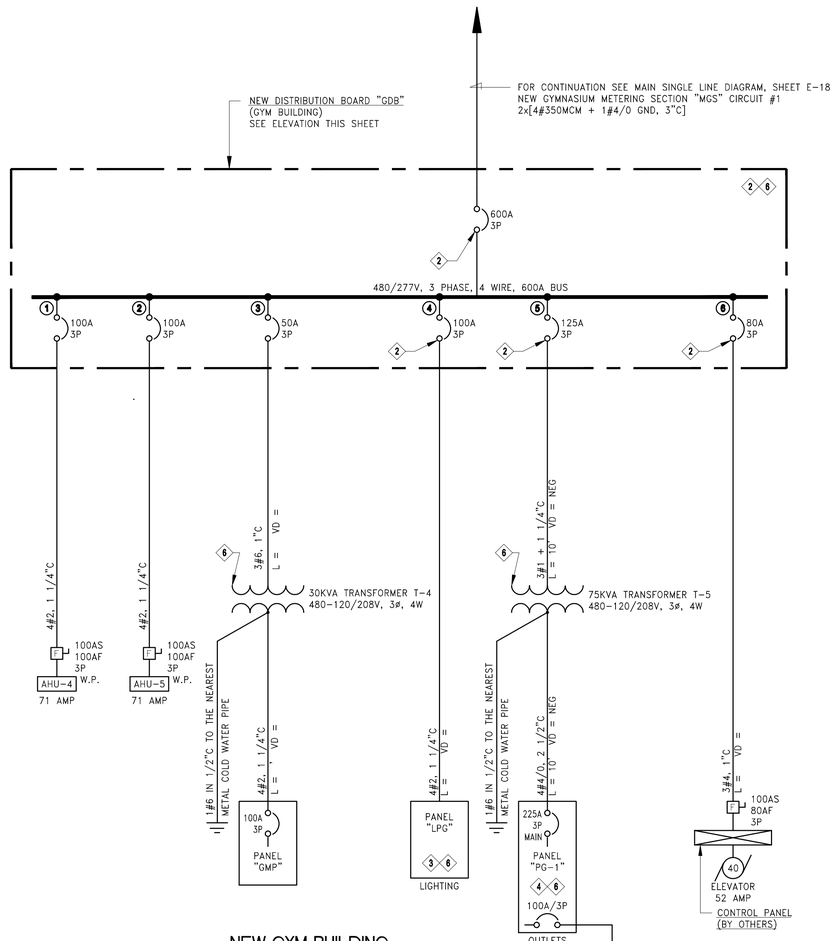
WORK ORDER NO. E1907694
PLAN FILE NO.
DRAWING NO. E-24
SHEET 1 OF SHEETS -

V & M ELECTRICAL ENGINEERING, INC.
3330 Barham Boulevard, Suite 204
Los Angeles, CA 90068
(323)851-9964 Fax (323)851-0153
E-mail: vme@vmelectrical.com



NEW DISTRIBUTION BOARD "GDB"

NOT TO SCALE



NEW GYM BUILDING
SINGLE LINE DIAGRAM

NOT TO SCALE

NUMBERED NOTES - (THIS SHEET ONLY)

1. DISTRIBUTION BOARD SHALL BE BRACED FOR AMP AND ALL CIRCUIT BREAKERS SHALL HAVE AMP INTERRUPTING CAPICITY.
2. DISTRIBUTION BOARD SHALL BE BRACED FOR AMP AND ALL CIRCUIT BREAKERS SHALL HAVE AMP INTERRUPTING CAPICITY.
3. PANEL SHALL HAVE AMP SHORT CIRCUIT CURRENT RATING AND CIRCUIT BREAKERS SHALL HAVE AMP INTERRUPTING CAPICITY.
4. PANEL SHALL HAVE AMP SHORT CIRCUIT CURRENT RATING AND CIRCUIT BREAKERS SHALL HAVE AMP INTERRUPTING CAPICITY.
5. CIRCUIT BREAKER TO BE EQUIPPED WITH GROUND FAULT INTERRUPTER.
6. CALCULATED SHORT CIRCUIT CURRENT.

LOAD CALCULATION BOARD "GDB"

1. AHU-4: ..... 71 AMP
2. AHU-5: ..... 71 AMP
3. PANEL "GMP" (VIA 30KVA TRANSFORMER):
4. PANEL "LPG":
5. PANEL "PG-1" (VIA 75KVA TRANSFORMER):
6. ELEVATOR: ..... 52 AMP

TOTAL

25% OF LARGEST MOTOR:

TOTAL:

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(323)851-9964 Fax (323)851-0153
E-mail: vme@vmelectrical.com

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ENGINEERING
CITY OF LOS ANGELES

NO. REVISIONS: DATE: BY:

BUILDING NO.

INDEX NO. - RP 300094

CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS
BID SET SUBMITTAL

GARY LEE MOORE, PE, ENV SP CITY ENGINEER DATE:
ARCHITECTURAL DIVISION LIC. NO. E11834
ENGINEER: VLADIMIR TSIDULKO, PE
DESIGNED BY: V.T.
DRAWN BY: K.G.
CHECKED BY: V.T.
APPROVED BY: MAHMOOD KARIMZADEH, A.I.A., PRINCIPAL ARCHITECT

VERTICAL CONTROL:
HORIZONTAL CONTROL:

SHEET TITLE: SINGLE LINE DIAGRAM
GYM BUILDING

PROJECT: RANCHO CIENEGA SPORTS COMPLEX

ADDRESS: 5001 RODEO ROAD
LOS ANGELES, CA 90016

WORK ORDER NO. E1907694

PLAN FILE NO.

DRAWING NO. E-25

SHEET OF SHEETS

REVISION DATES (DESIGN STAGE ONLY)

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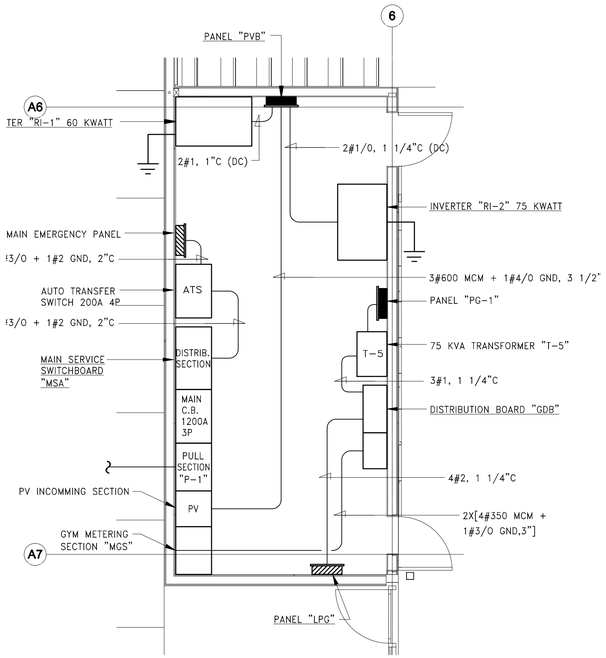
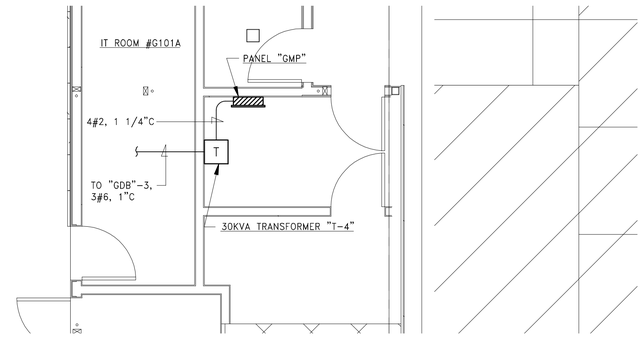


MAIN ELECTRICAL ROOM #G107 (GYM BUILDING)

ELEVATION DETAIL

SCALE: 1/4" = 1'-0"



ENLARGED PLAN #2 IT/ELECTRICAL ROOM #G101

GROUND LEVEL GYMNASIUM

SCALE: 1/4" = 1'-0"

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CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS

BUREAU OF ENGINEERING

ENGINEERING CITY OF LOS ANGELES

NO. REVISIONS: DATE: BY:

BUILDING NO.

INDEX NO. - RP 300094

GARY LEE MOORE, PE, ENV SP CITY ENGINEER

ARCHITECTURAL DIVISION

ENGINEER: VLADIMIR TSIDULKO, PE LIC. NO. E11834 DATE:

DESIGNED BY: V.T.

DRAWN BY: K.G.

CHECKED BY: V.T.

APPROVED BY: MAHMOOD KARIMZADEH, A.I.A., PRINCIPAL ARCHITECT

VERTICAL CONTROL:

HORIZONTAL CONTROL:

SHEET TITLE: ENLAREGED MAIN ELECTRICAL ROOM #G107 GYMNASIUM

PROJECT: RANCHO CIENEGA SPORTS COMPLEX

ADDRESS: 5001 RODEO ROAD LOS ANGELES, CA 90016

WORK ORDER NO. E1907694

PLAN FILE NO.

DRAWING NO. E-26

SHEET OF SHEETS

REVISION DATES (DESIGN STAGE ONLY)

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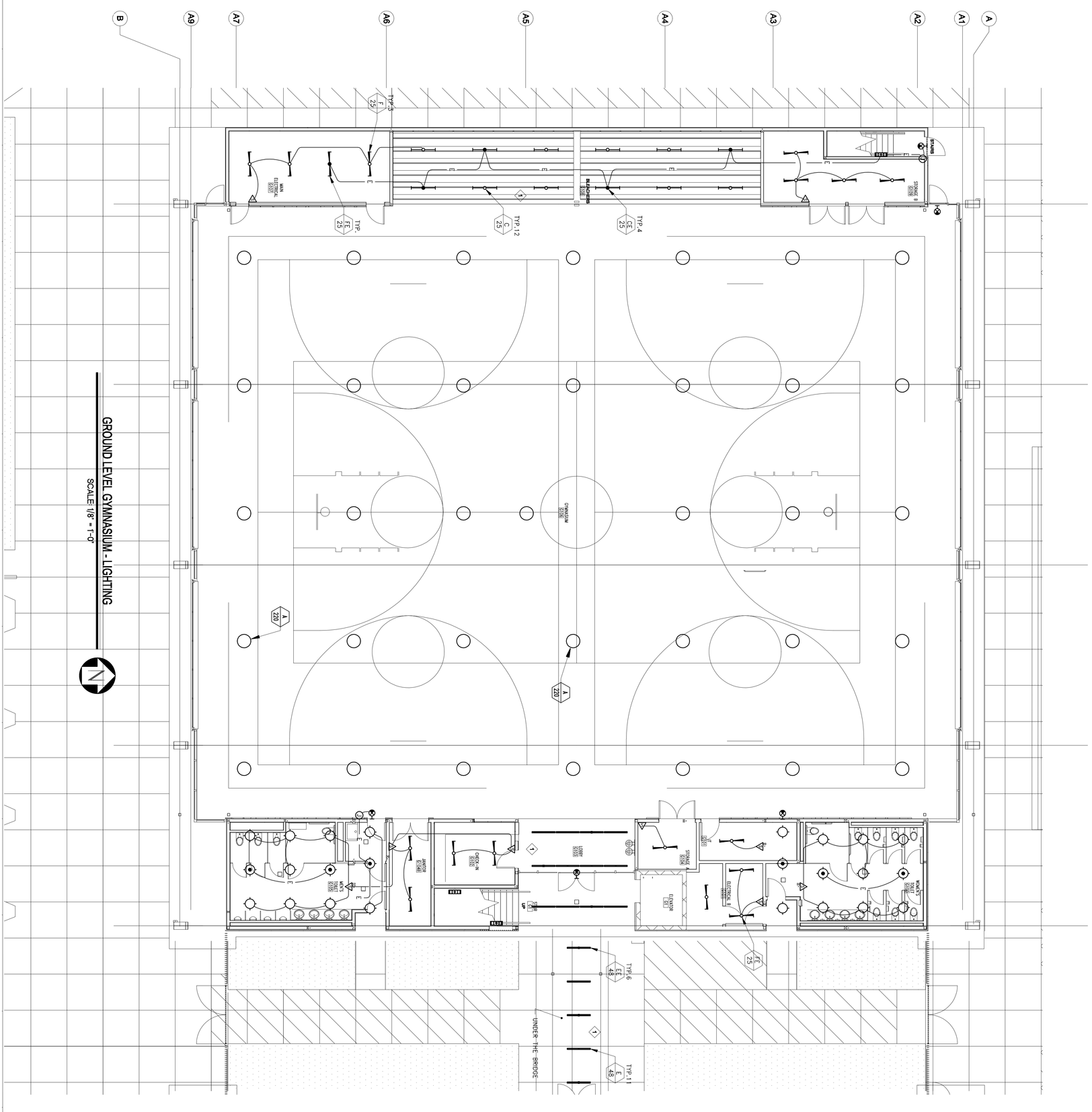

GROUND LEVEL GYMNASIUM - LIGHTING

SCALE: 1/8" = 1'-0"

NUMBERED NOTES - (THIS SHEET ONLY)

1. LIGHTING IN THIS AREA TO BE SWITCHED FROM MAIN LIGHTING CONTROL PANEL

V & M ELECTRICAL ENGINEERING, INC.
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CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS BUREAU OF ENGINEERING

VERTICAL CONTROL:	
HORIZONTAL CONTROL:	
SHEET TITLE:	GROUND LEVEL GYM BLDG-LIGHTING PLAN
PROJECT:	RANCHO CIENEGA SPORTS COMPLEX
ADDRESS:	5001 RODEO ROAD LOS ANGELES, CA 90016

GARY LEE MOORE, PE, ENV SP CITY ENGINEER

ARCHITECTURAL DIVISION	DATE:
ENGINEER: VLADIMIR TSIDULKO, PE LIC. NO. E11834	
DESIGNED BY: V.T.	
DRAWN BY: K.G.	
CHECKED BY: V.T.	
APPROVED BY: MAHMOOD KARIMZADEH, A.I.A., PRINCIPAL ARCHITECT	

NO.	REVISIONS:	DATE:	BY:

INDEX NO. - RP 300094

BUILDING NO.

ENGINEERING
CITY OF LOS ANGELES

SHEET E-27 OF SHEETS

DRAWING NO. E-27

PLAN FILE NO.

WORK ORDER NO. E1907694

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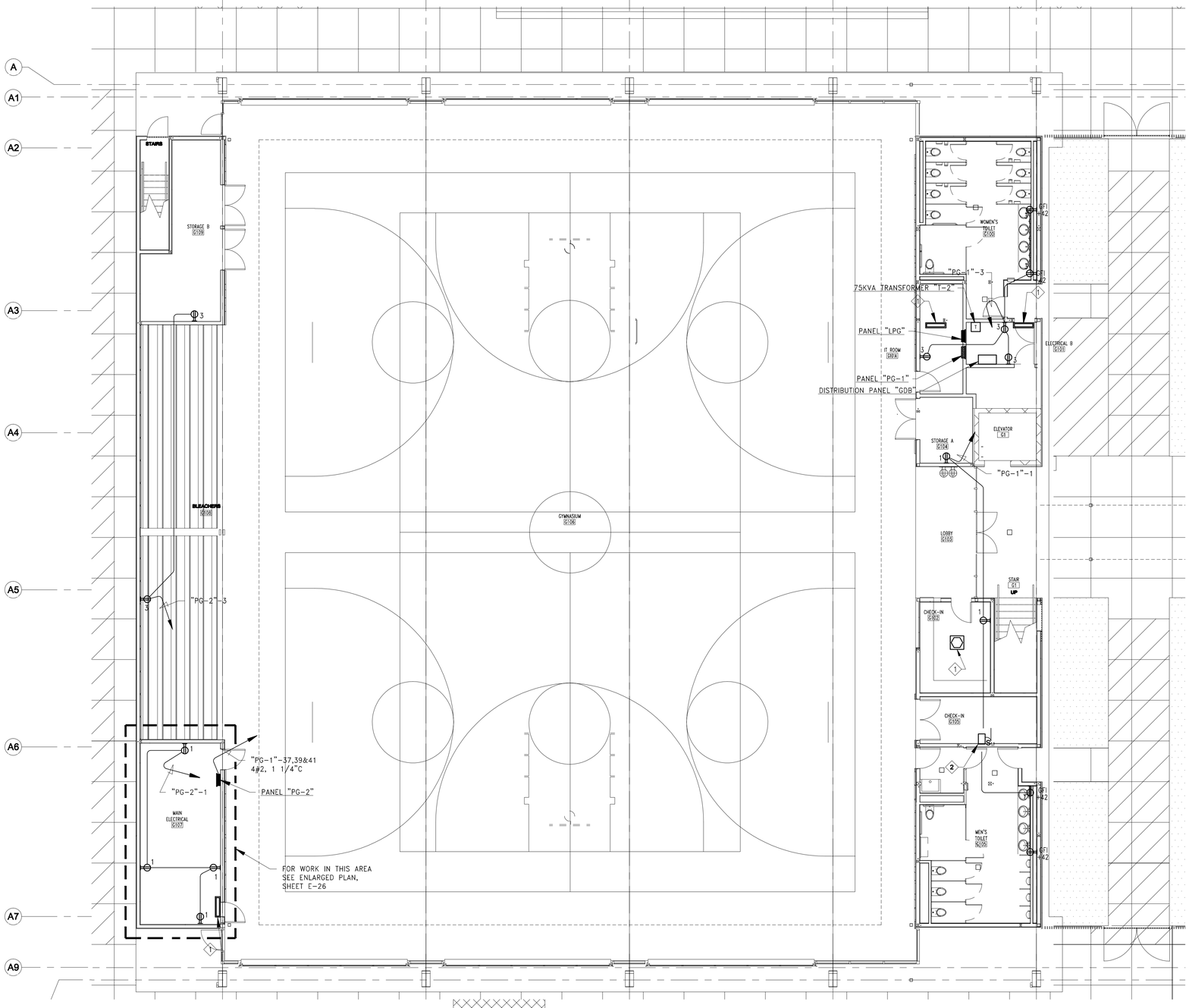

NUMBERED NOTES - (THIS SHEET ONLY)

1. FAN COIL UNIT — PROVIDE RUN 1/2" C.O. TO THE NEAREST RESPECTIVE THERMOSTAT.

GROUND LEVEL GYMNASIUM - POWER

SCALE: 1/8" = 1'-0"

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OFFICIAL RECORD

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CITY OF LOS ANGELES

NO.	REVISIONS:	DATE:	BY:

BUILDING NO.

INDEX NO. - RP 300094

VERTICAL CONTROL:
HORIZONTAL CONTROL:

SHEET TITLE: GROUND LEVEL & GYM BLDG-LIGHTING PLAN

PROJECT: RANCHO CIENEGA SPORTS COMPLEX

ADDRESS: 5001 RODEO ROAD
LOS ANGELES, CA 90016

GARY LEE MOORE, PE, ENV SP CITY ENGINEER
ARCHITECTURAL DIVISION LIC. NO. E11834
ENGINEER: VLADIMIR TSIDULKO, PE
DESIGNED BY: V.T.
DRAWN BY: K.G.
CHECKED BY: V.T.
APPROVED BY: MAHMOOD KARIMZADEH, A.I.A., PRINCIPAL ARCHITECT

DATE:

WORK ORDER NO.
E1907694

PLAN FILE NO.

DRAWING NO.
E-28

SHEET OF SHEETS

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(323)851-9964 Fax (323)851-0153
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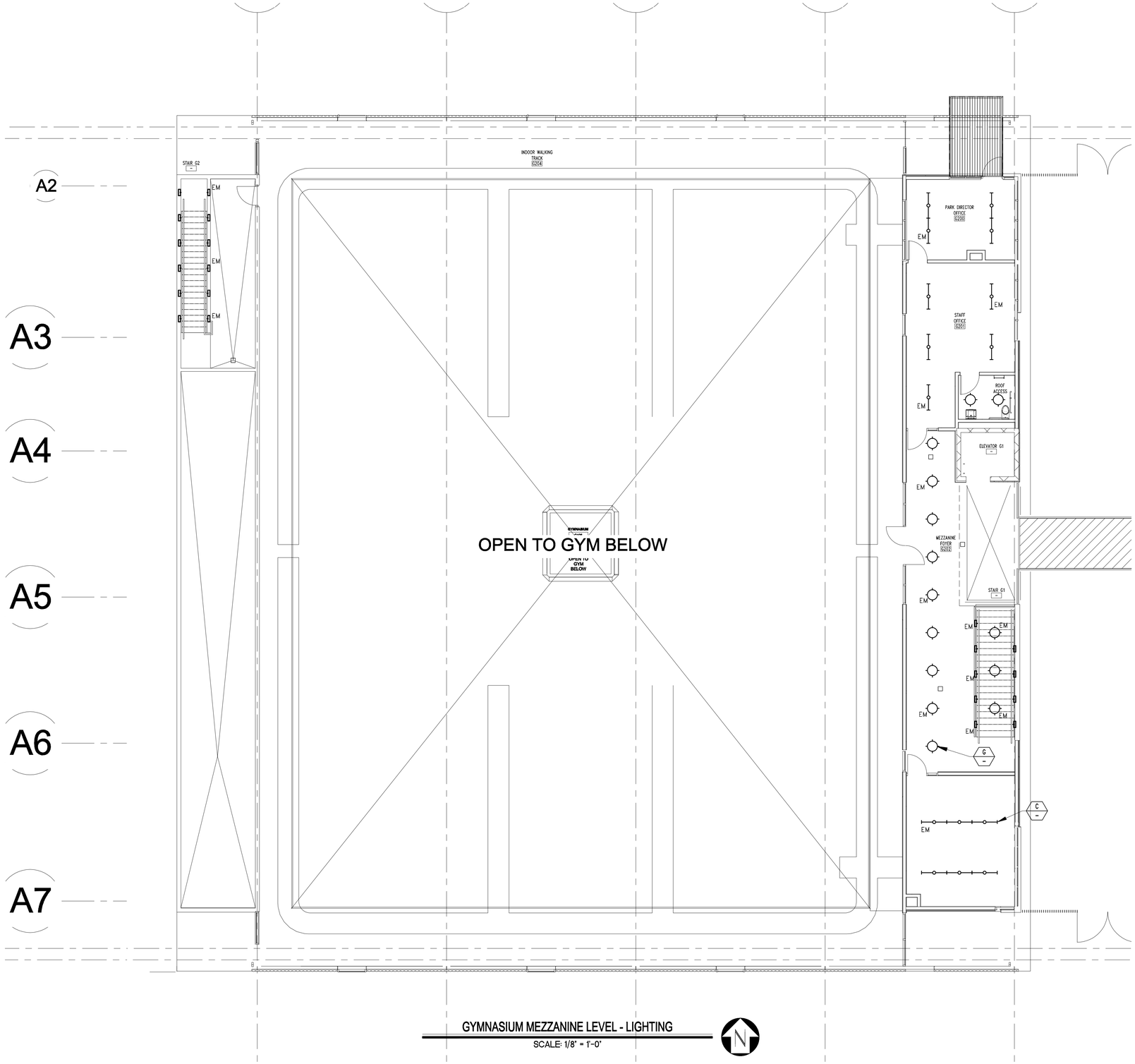

GYMNASIUM MEZZANINE LEVEL - LIGHTING

SCALE: 1/8" = 1'-0"

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ENGINEERING
CITY OF LOS ANGELES

NO. REVISIONS: DATE: BY:

BUILDING NO.

INDEX NO. - RP 300094

GARY LEE MOORE, PE, ENV SP CITY ENGINEER
ARCHITECTURAL DIVISION LIC. NO. E11834
ENGINEER: VLADIMIR TSIDULKO, PE DATE:
DESIGNED BY: V.T.
DRAWN BY: K.G.
CHECKED BY: V.T.
APPROVED BY: MAHMOOD KARIMZADEH, A.I.A., PRINCIPAL ARCHITECT

VERTICAL CONTROL:
HORIZONTAL CONTROL:
SHEET TITLE: GYMNASIUM MEZZANINE LEVEL LIGHTING
PROJECT: RANCHO CIENEGA SPORTS COMPLEX
ADDRESS: 5001 RODEO ROAD
LOS ANGELES, CA 90016

WORK ORDER NO. E1907694
PLAN FILE NO.
DRAWING NO. E-30
SHEET OF SHEETS

REVISION DATES (DESIGN STAGE ONLY)

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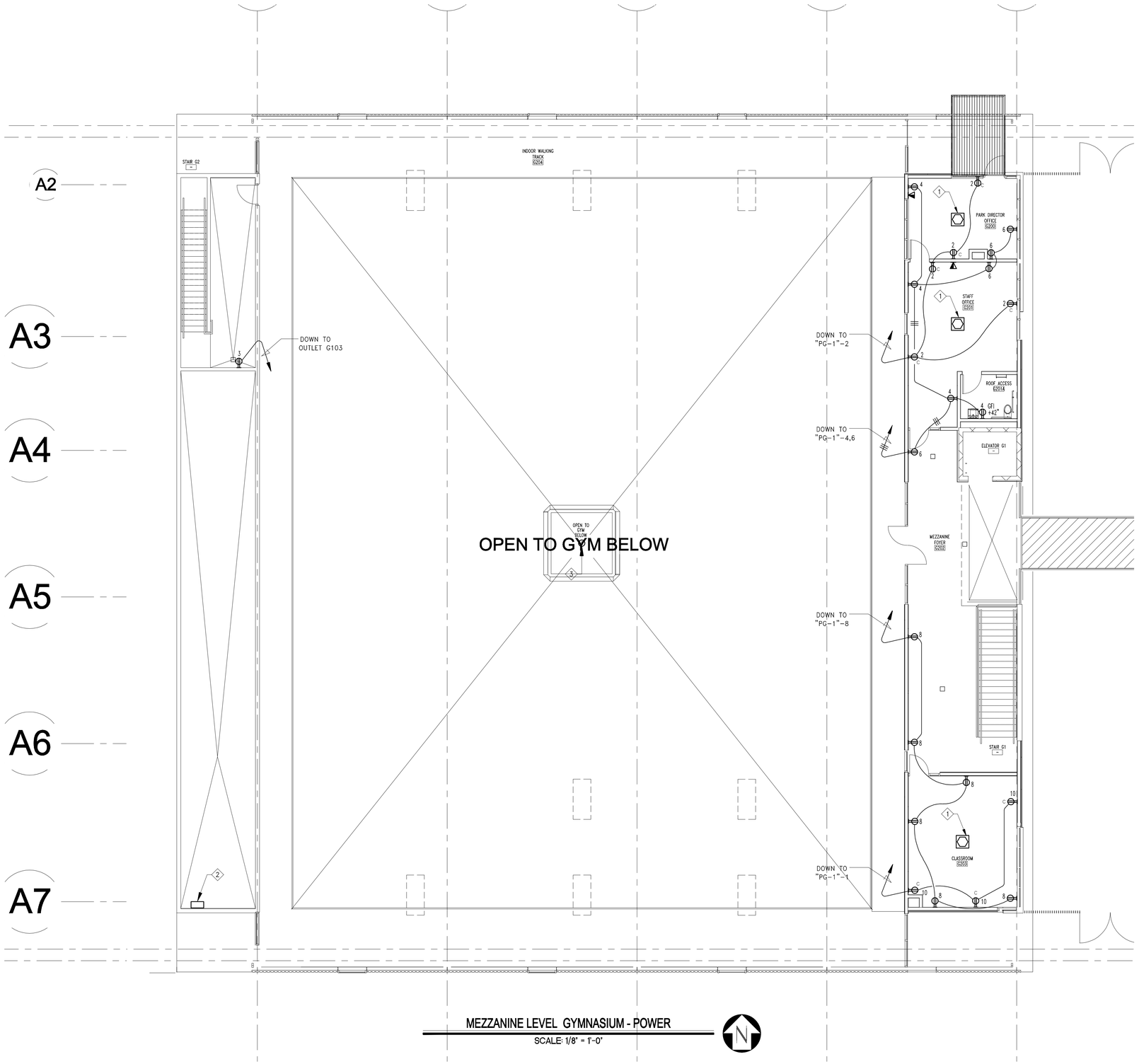

MEZZANINE LEVEL GYMNASIUM - POWER

SCALE: 1/8" = 1'-0"

NUMBERED NOTES - (THIS SHEET ONLY)

1. FAN COIL UNIT... AMP, ...VOLT, ...PHASE. PROVIDE... RUN 1/2"C.O. TO RESPECTIVE THERMOSTAT.
2. CONDENSING UNIT. ...AMP, ...VOLT, ...PHASE. PROVIDE... RUN 1/2"C.O. TO THE CONTROL – INTERLOCK POINT.
3. CEILING MOUNTED PULLBOX FOR "JUMBOTRON"

BUREAU OF ENGINEERING

ENGINEERING — CITY OF LOS ANGELES

NO. | REVISIONS: | DATE: | BY:

BUILDING NO.

INDEX NO. - RP 300094

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CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS

GARY LEE MOORE, PE, ENV SP CITY ENGINEER

ARCHITECTURAL DIVISION

ENGINEER: VLADIMIR TSIDULKO, PE LIC. NO. E11834 DATE:

DESIGNED BY: V.T.

DRAWN BY: K.G.

CHECKED BY: V.T.

APPROVED BY: MAHMOOD KARIMZADEH, A.I.A., PRINCIPAL ARCHITECT

VERTICAL CONTROL:

HORIZONTAL CONTROL:

SHEET TITLE: GYMNASIUM MEZZANINE LEVEL LIGHTING

PROJECT: RANCHO CIENEGA SPORTS COMPLEX

ADDRESS: 5001 RODEO ROAD LOS ANGELES, CA 90016

BUREAU OF ENGINEERING OFFICIAL RECORD

WORK ORDER NO. E1907694

PLAN FILE NO.

DRAWING NO. E-31

SHEET OF SHEETS

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REVISION DATES (DESIGN STAGE ONLY)

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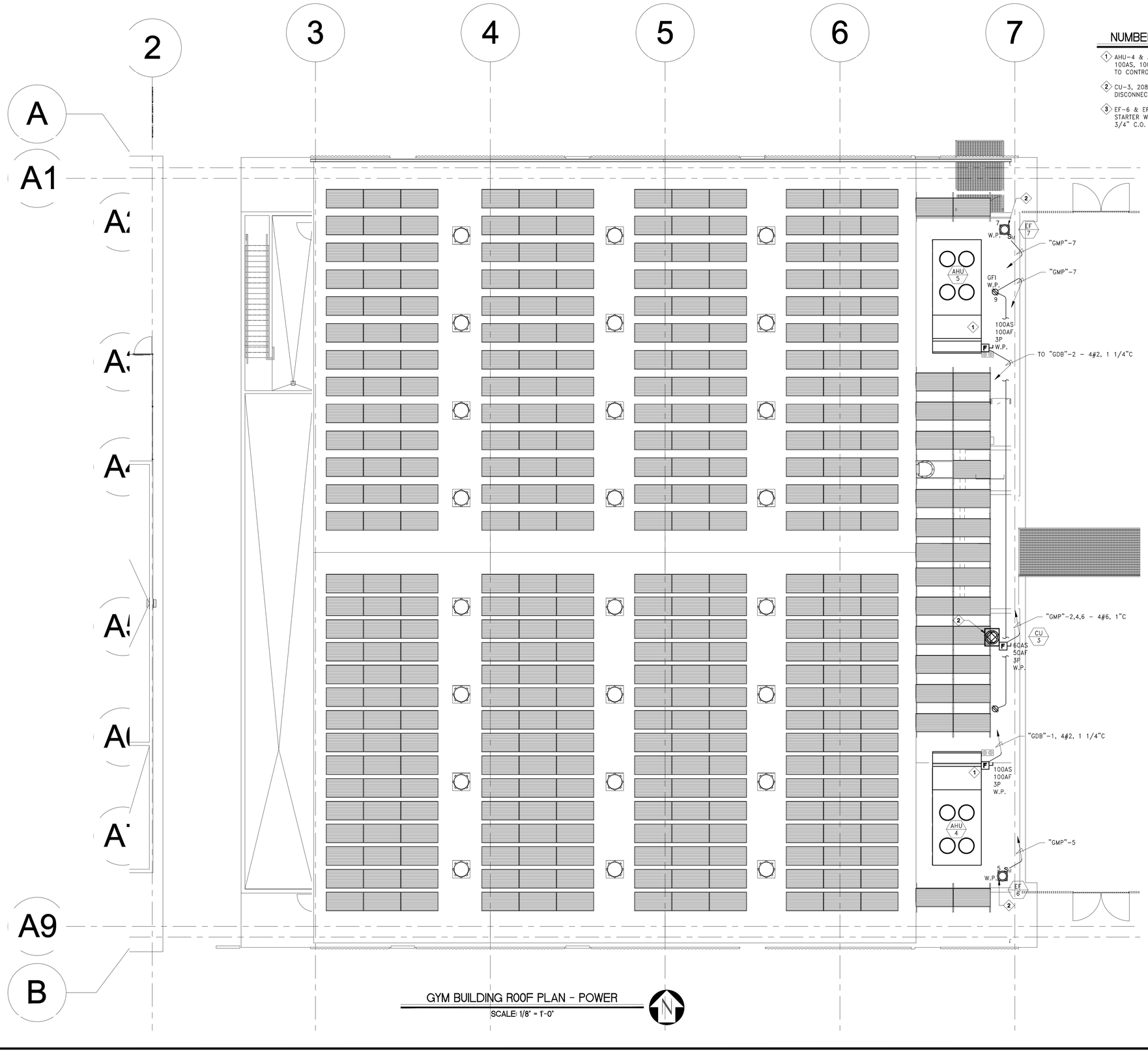
REVISION DATE: 12/15/2016 3:31 PM

REVISION DATES (DESIGN STAGE ONLY)

NUMBERED NOTES - (THIS SHEET ONLY)

1. AHU-4 & AHU-5, 480V, 3 PHASE, 71 AMP FULL LOAD PROVIDE 100AS, 100AF, 3P W.P. DISCONNECT SWITCH. RUN 3/4"C.O. TO CONTROL POINT.
2. CU-3, 208V, 3 PHASE, 33 AMP. PROVIDE 60AS, 50AF, 3P, W.P. DISCONNECT SWITCH RUN 3/4" C.O. TO CONTROL POINT.
3. EF-6 & EF-7, 120V, 1 PHASE, 3.4 AMP PROVIDE MANUAL MOTOR STARTER WITH OVERLOAD PROTECTION IN W.P. ENCLOSURE. RUN 3/4" C.O. TO CONTROL INTERLOCK POINT.



GYM BUILDING ROOF PLAN - POWER

SCALE: 1/8" = 1'-0"

BUREAU OF ENGINEERING OFFICIAL RECORD

V & M ELECTRICAL ENGINEERING, INC.
3330 Barham Boulevard, Suite 204
Los Angeles, CA 90068
(323)851-9964 Fax (323)851-0153
E-mail: vme@vmelectrical.com

90% DESIGN DEVELOPMENT

BUREAU OF ENGINEERING DEPARTMENT OF PUBLIC WORKS

CITY OF LOS ANGELES

VERTICAL CONTROL:
HORIZONTAL CONTROL:

SHEET TITLE: GYM BUILDING ROOF-POWER

PROJECT: RANCHO CIENEGA SPORTS COMPLEX

ADDRESS: 5001 RODEO ROAD
LOS ANGELES, CA 90016

ENGINEERING
CITY OF LOS ANGELES

NO. | DATE: | BY:

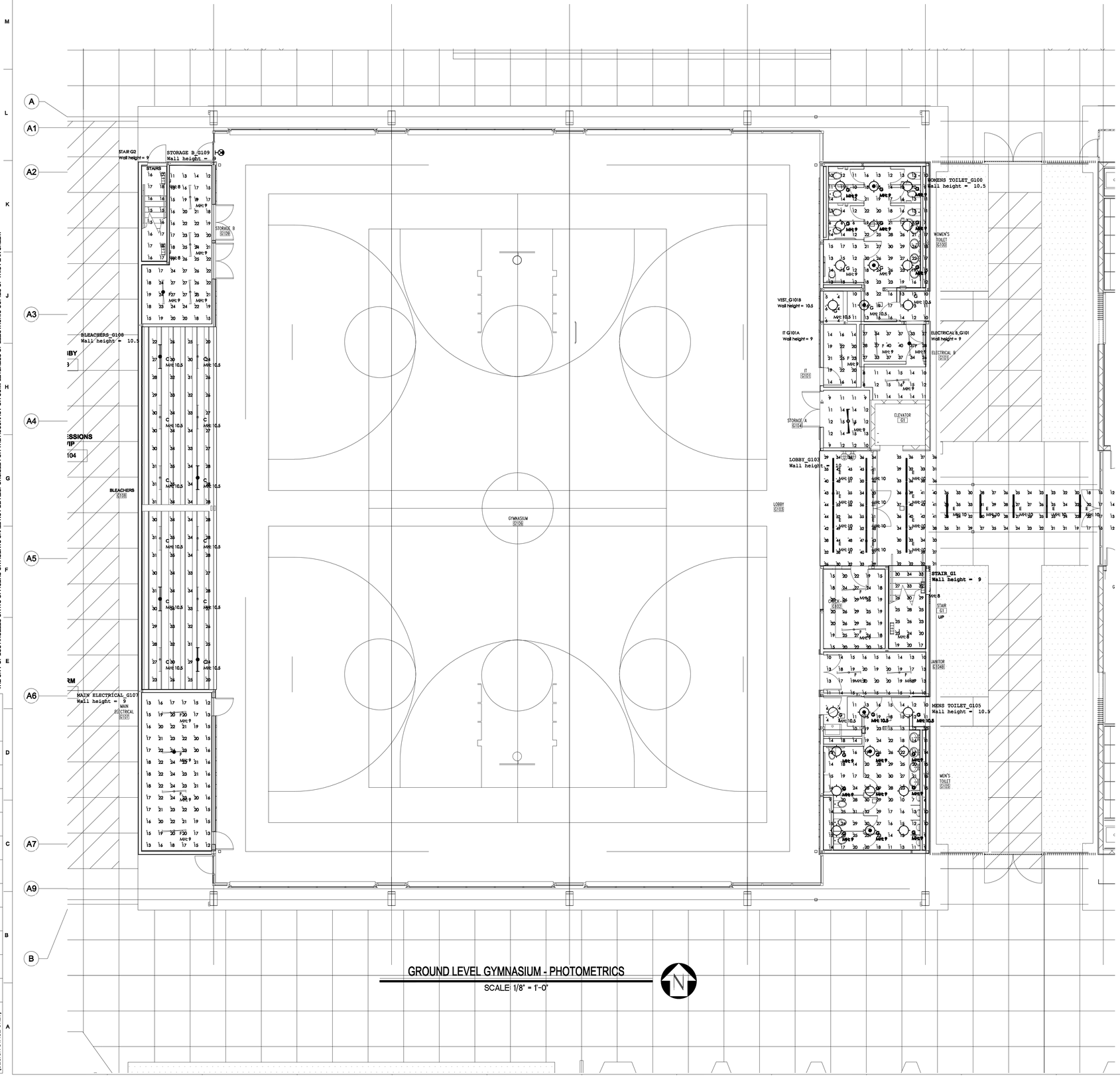
BUILDING NO. XX/XX

INDEX NO. - RP 300094

REGISTERED PROFESSIONAL ENGINEER
VLADIMIR TSVIDKO
E11834
EXP. 09/30/16
ELECTRICAL
STATE OF CALIFORNIA

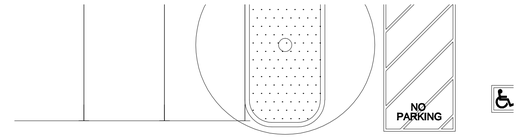
GARY LEE MOORE, PE, ENV SP CITY ENGINEER DATE:
ARCHITECTURAL DIVISION LIC. NO. C-19741
ARCHITECT: ZOLTAN E. PALI, FAIA
DESIGNED BY:
DRAWN BY:
CHECKED BY:
APPROVED BY: MAHMOOD KARIMZADEH, A.I.A., PRINCIPAL ARCHITECT

WORK ORDER NO. E1907694
PLAN FILE NO.
DRAWING NO. E-32
SHEET 1 OF SHEETS -



GROUND LEVEL GYMNASIUM - PHOTOMETRICS

SCALE: 1/8" = 1'-0"



-----Disclaimer-----
Luminaire data is obtained according to IES procedures under controlled laboratory conditions. Field results may differ from computer predictions due to many uncontrollable factors including, but not limited to Line Voltage Variations, Lamp Performance, Ballast input watts, LED Drivers input watts, Temperature Variations and Jobsite Conditions.

Luminaire Schedule

Symbol	Qty	Label	Arrangement	Total Lamp Lumens	LLF	Description
	12	C	SINGLE	N.A.	0.900	PRUDENTIAL // P43-LED3S-SO-4-X-D1-SC-UNV-X1-DM10
	17	E	SINGLE	N.A.	0.900	ALIGHT // ACL3-4-LH-40-35-U-S
	18	F	SINGLE	N.A.	0.900	COLUMBIA // LCL4-40LW-EDU
	68	G	SINGLE	N.A.	0.900	PRESCOLITE // LF4LEDG4 4LFLED6G-430K
	4	J	SINGLE	N.A.	0.900	LUMINAIRE LED // TSL9-2-25W-40K-10-277-OP-X-EM8722R

Calculation Summary

Label	CalcType	Units	Avg	Max	Min	Avg/Min	Max/Min
BLEACHERS_G108_Floor	Illuminance	Fc	29.93	35	20	1.50	1.75
CHECK IN_G102_Workplane	Illuminance	Fc	21.89	29	15	1.46	1.93
ELECTRICAL B_G101_Floor	Illuminance	Fc	33.28	40	26	1.28	1.54
ELEV MACH RM_G101B_Floor	Illuminance	Fc	12.59	16	8	1.57	2.00
ENTRY - WALKWAY_Floor_1	Illuminance	Fc	28.13	43	12	2.34	3.58
GYMNASIUM SOFFIT_Floor	Illuminance	Fc	5.21	21	2	2.61	10.50
IT G101A_Workplane	Illuminance	Fc	18.60	25	14	1.33	1.79
JANITOR_G104B_Floor	Illuminance	Fc	15.72	20	10	1.57	2.00
LOBBY_G103_Floor	Illuminance	Fc	43.70	56	26	1.68	2.15
MAIN ELECTRICAL_G107_Floor_1	Illuminance	Fc	18.81	24	12	1.57	2.00
MENS TOILET_G105_Floor	Illuminance	Fc	18.14	32	6	3.02	5.33
STAIR G2_Floor	Illuminance	Fc	16.38	18	15	1.09	1.20
STAIR_G1_Floor	Illuminance	Fc	26.14	34	17	1.54	2.00
STORAGE A_G104_Floor	Illuminance	Fc	12.10	15	9	1.34	1.67
WOMENS TOILET_G100_Floor	Illuminance	Fc	15.96	30	6	2.66	5.00
VEST_G104C_Floor	Illuminance	Fc	4.75	6	4	1.19	1.50
VEST_G101B_Floor	Illuminance	Fc	4.83	6	4	1.21	1.50
STORAGE B_G109_Floor	Illuminance	Fc	20.18	27	11	1.83	2.45
MAIN ELECTRICAL_G107_Floor	Illuminance	Fc	18.81	24	12	1.57	2.00

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CITY OF LOS ANGELES

DEPARTMENT OF PUBLIC WORKS

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ENGINEERING
CITY OF LOS ANGELES

BUILDING NO.

INDEX NO. - RP 300094

NO. REVISIONS: DATE: BY:

GARY LEE MOORE, PE, ENV SP CITY ENGINEER
ARCHITECTURAL DIVISION
ENGINEER: VLADIMIR TSIDULKO, PE LIC. NO. E11834
DESIGNED BY: V.T.
DRAWN BY: K.G.
CHECKED BY: V.T.
APPROVED BY: MAHMOOD KARIMZADEH, A.I.A., PRINCIPAL ARCHITECT

CITY OF LOS ANGELES
VERTICAL CONTROL:
HORIZONTAL CONTROL:

SHEET TITLE: GROUND LEVEL GYM BLDG-PHOTOMETRICS

PROJECT: RANCHO CIENEGA SPORTS COMPLEX

ADDRESS: 5001 RODEO ROAD
LOS ANGELES, CA 90016

WORK ORDER NO.
E1907694

PLAN FILE NO.

DRAWING NO.
E-33

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OFFICIAL RECORD

V & M ELECTRICAL ENGINEERING, INC.
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E-mail: vme@vmelectrical.com

REVISION DATES (DESIGN STAGE ONLY)

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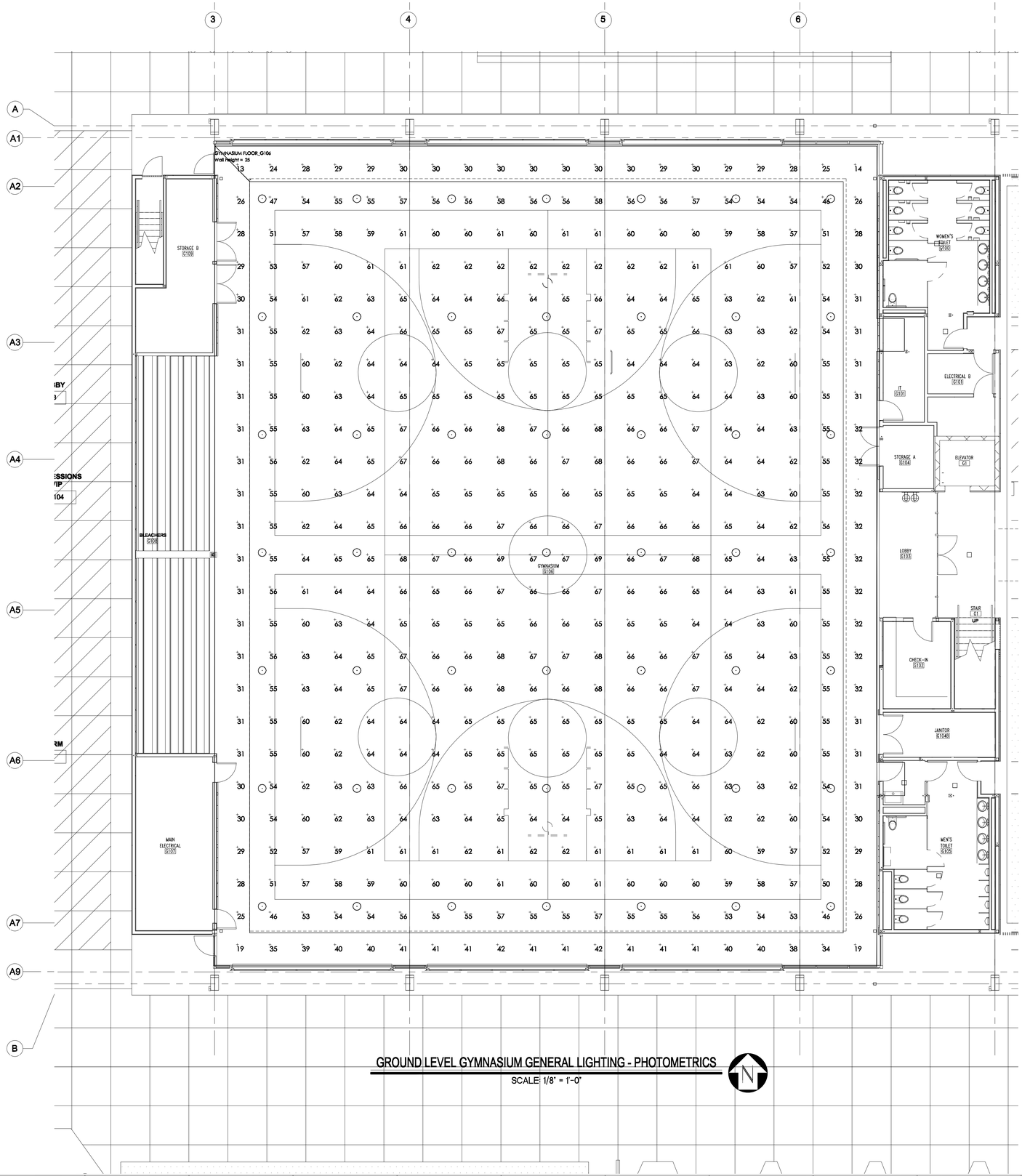

GROUND LEVEL GYMNASIUM GENERAL LIGHTING - PHOTOMETRICS

SCALE: 1/8" = 1'-0"

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Luminaire Schedule					
Symbol	Qty	Label	Arrangement	LLF	Description
·	49	A	SINGLE	0.900	METEOR LIGHTING // WS-240-42K-80

Calculation Summary							
Label	CalcType	Units	Avg	Max	Min	Avg/Min	Max/Min
GYMNASIUM FLOOR_G106_Floor	Illuminance	Fc	56.65	69	13	4.36	5.31

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BUILDING NO.

INDEX NO. - RP 300094

VERTICAL CONTROL:
HORIZONTAL CONTROL:

SHEET TITLE: GROUND LEVEL GYM BLDG-PHOTOMETRICS

PROJECT: RANCHO CIENEGA SPORTS COMPLEX

ADDRESS: 5001 RODEO ROAD
LOS ANGELES, CA 90016

GARY LEE MOORE, PE, ENV SP CITY ENGINEER
DATE:
ARCHITECTURAL DIVISION
ENGINEER: VLADIMIR TSIDULKO, PE LIC. NO. E11834
DESIGNED BY: V.T.
DRAWN BY: K.G.
CHECKED BY: V.T.
APPROVED BY: MAHMOOD KARIMZADEH, A.I.A., PRINCIPAL ARCHITECT

WORK ORDER NO.
E1907694
PLAN FILE NO.

DRAWING NO.
E-34
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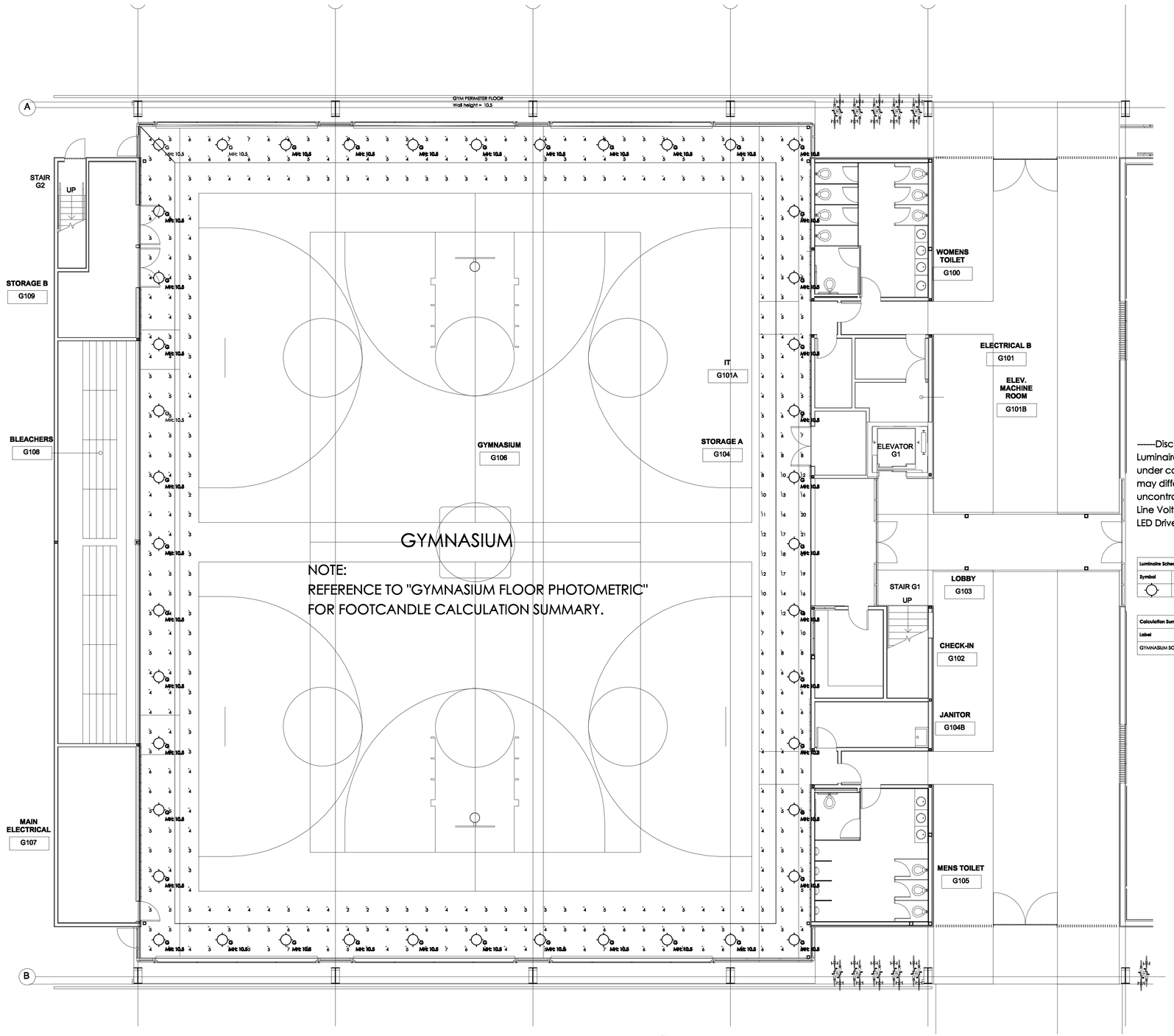

GYMNASIUM INDOOR WALKING TRACK - PHOTOMETRIC

SCALE: 1/8" = 1'-0"

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Luminaire Schedule

Symbol	Qty	Label	Arrangement	Total Lamp Lumens	LLF	Description
	68	G	SINGLE	N.A.	0.900	PRESCOLITE // LF4LEDG4 4LFLED4G430K

Calculation Summary

Label	CalcType	Units	Avg	Max	Min	Avg/Min	Max/Min
GYMNASIUM SOFFIT_Floor	Illuminance	Fc	5.21	21	2	2.61	10.50

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BUILDING NO.

INDEX NO. - RP 300094

CITY ENGINEER

DATE:

VERTICAL CONTROL:

HORIZONTAL CONTROL:

SHEET TITLE: GYMNASIUM INDOOR WALKING TRACK MEZZANINE LEVEL LIGHTING

PROJECT: RANCHO CIENEGA SPORTS COMPLEX

ADDRESS: 5001 RODEO ROAD LOS ANGELES, CA 90016

GARY LEE MOORE, PE, ENV SP CITY ENGINEER

ARCHITECTURAL DIVISION

ENGINEER: VLADIMIR TSIDULKO, PE LIC. NO. E11834

DESIGNED BY: V.T.

DRAWN BY: K.G.

CHECKED BY: V.T.

APPROVED BY: MAHMOOD KARIMZADEH, A.I.A., PRINCIPAL ARCHITECT

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WORK ORDER NO. E1907694

PLAN FILE NO.

DRAWING NO. **E-34A**

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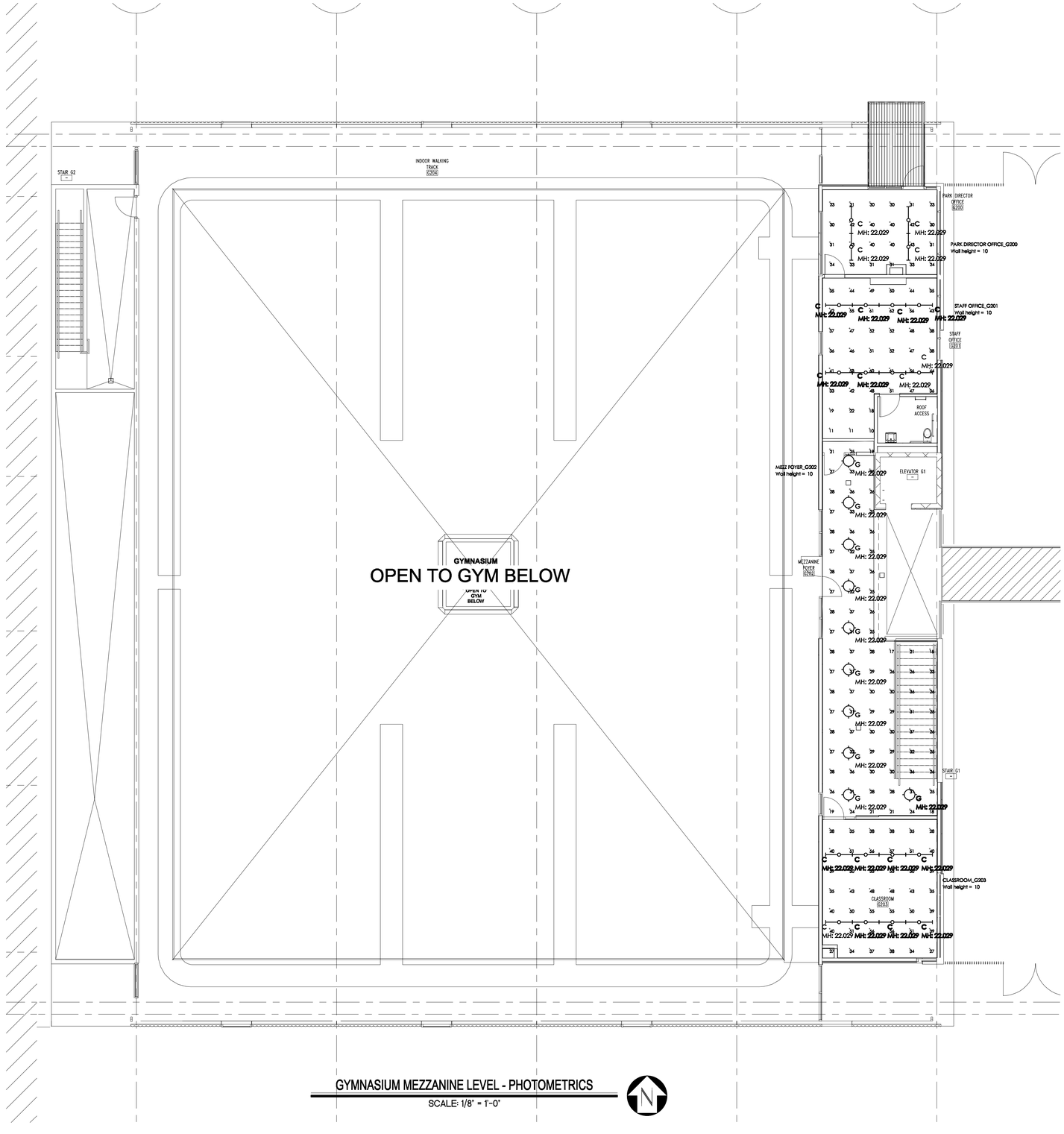

GYMNASIUM MEZZANINE LEVEL - PHOTOMETRICS

SCALE: 1/8" = 1'-0"

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Calculation Summary

Label	CalcType	Units	Avg	Max	Min	Avg/Min	Max/Min
CLASSROOM_G203_Workplane	Illuminance	Fc	43.24	57	27	1.60	2.11
INDOOR WALKING TRACK_G204_Workplane	Illuminance	Fc	14.83	21	5	2.97	4.20
MEZZ FOYER_G202_Workplane	Illuminance	Fc	28.08	37	15	1.87	2.47
PARK DIRECTOR OFFICE_G200_Workplane	Illuminance	Fc	33.17	43	23	1.44	1.87
STAFF OFFICE_G201_Workplane	Illuminance	Fc	42.45	62	10	4.25	6.20

Luminaire Schedule

Symbol	Qty	Label	Arrangement	LLF	Description
	10	G	SINGLE	0.850	PRESCOLITE // LF4LEDG4 WITH 4LFLED7G430K
	20	C	SINGLE	0.850	PRUDENTIAL // P43-LED35SO-SAL-TMW-D1-SC-UNV-X1

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CITY OF LOS ANGELES

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ARCHITECTURAL DIVISION

ENGINEER: VLADIMIR TSIDULKO, PE LIC. NO. E11834
DESIGNED BY: V.T.
DRAWN BY: K.G.
CHECKED BY: V.T.
APPROVED BY: MAHMOOD KARIMZADEH, A.I.A., PRINCIPAL ARCHITECT

SHEET TITLE: GYMNASIUM MEZZANINE LEVEL PHOTOMETRICS
PROJECT: RANCHO CIENEGA SPORTS COMPLEX
ADDRESS: 5001 RODEO ROAD LOS ANGELES, CA 90016

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WORK ORDER NO. E1907694
PLAN FILE NO.
DRAWING NO. E-35
SHEET OF SHEETS

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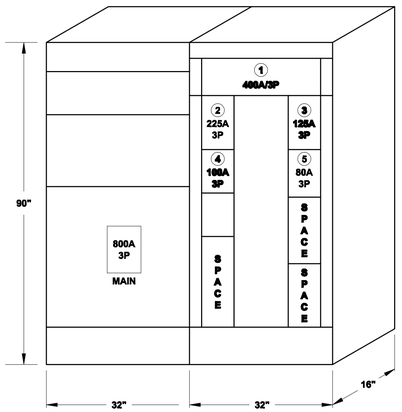
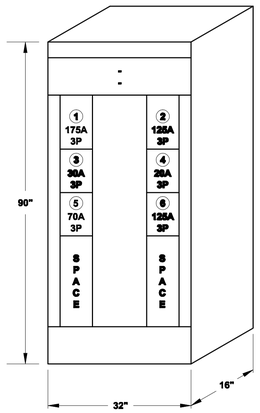


NEW DISTRIBUTION BOARD "PDB"

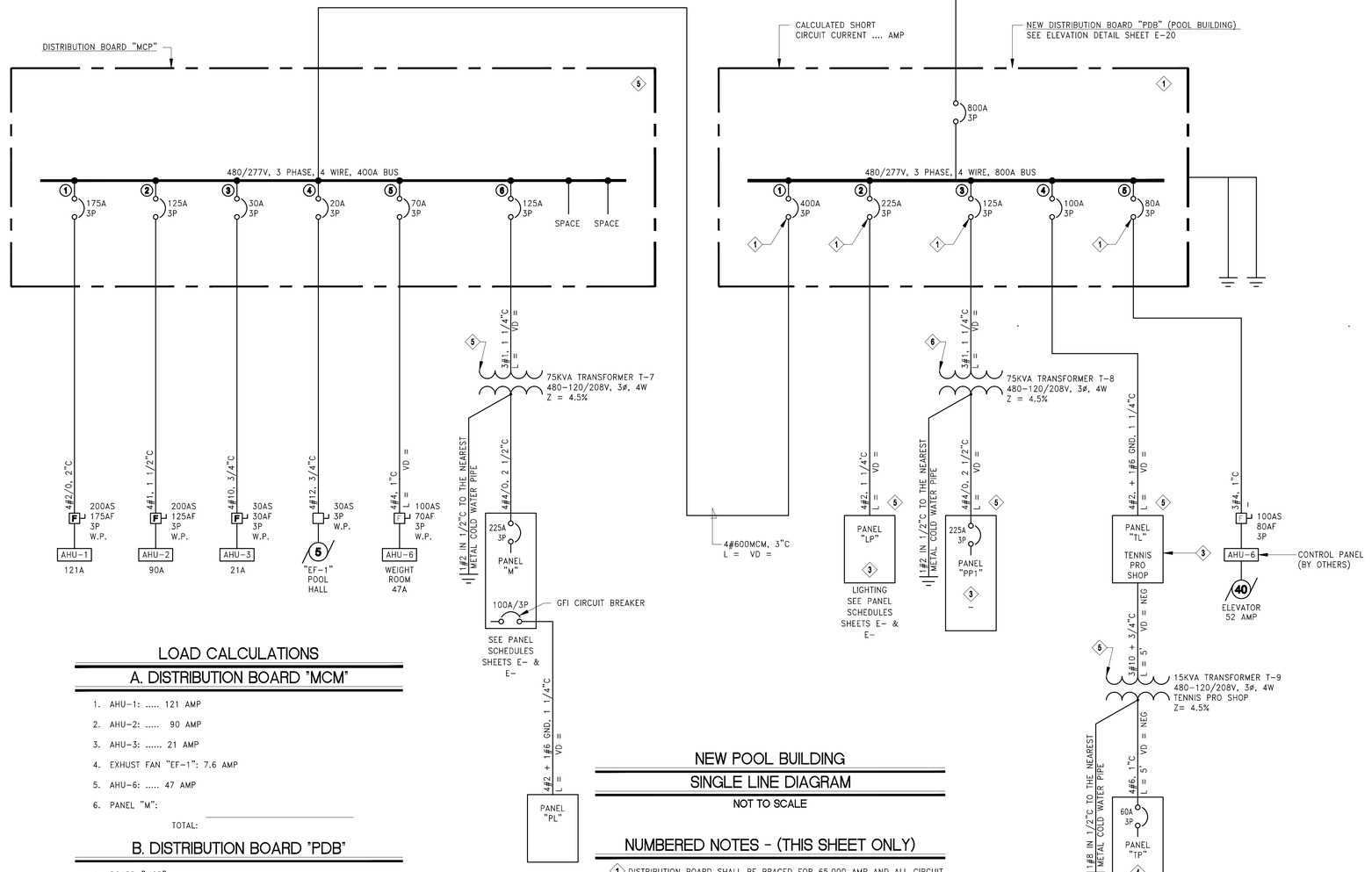
ELEVATION DETAIL

NOT TO SCALE



NEW DISTRIBUTION BOARD "MCP"

NOT TO SCALE



LOAD CALCULATIONS

A. DISTRIBUTION BOARD "MCM"

1. AHU-1: ..... 121 AMP
2. AHU-2: ..... 90 AMP
3. AHU-3: ..... 21 AMP
4. EXHUST FAN "EF-1": 7.6 AMP
5. AHU-6: ..... 47 AMP
6. PANEL "M": _____

TOTAL:

B. DISTRIBUTION BOARD "PDB"

1. BOARD "MCP":
2. PANEL "LP":
3. TRANSFORMER "T8":
4. PANEL "T8":
5. ELEVATOR: ..... 52 AMP

TOTAL:

25% OF LARGEST MOTOR:
x 0.25 = _____

TOTAL:

BOARD SHALL BE RATED: 800 AMP @ 480/277V, 3#, 4 WIRE

NEW POOL BUILDING

SINGLE LINE DIAGRAM

NOT TO SCALE

NUMBERED NOTES - (THIS SHEET ONLY)

1. DISTRIBUTION BOARD SHALL BE BRACED FOR 65,000 AMP AND ALL CIRCUIT BREAKERS SHALL HAVE AMP INTERRUPTING CAPICITY.
2. DISTRIBUTION BOARD SHALL BE BRACED FOR AMP AND ALL CIRCUIT BREAKERS SHALL HAVE AMP INTERRUPTING CAPICITY.
3. PANEL SHALL HAVE AMP SHORT CIRCUIT CURRENT RATING AND CIRCUIT BREAKERS SHALL HAVE AMP INTERRUPTING CAPICITY.
4. PANEL SHALL HAVE AMP SHORT CIRCUIT CURRENT RATING AND CIRCUIT BREAKERS SHALL HAVE AMP INTERRUPTING CAPICITY.
5. CALCULATED SHORT CIRCUIT CURRENT.

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CITY OF LOS ANGELES

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GARY LEE MOORE, PE, ENV SP CITY ENGINEER

ARCHITECTURAL DIVISION

ENGINEER: VLADIMIR TSIDULKO, PE LIC. NO. E11834 DATE:

DESIGNED BY: V.T.

DRAWN BY: K.G.

CHECKED BY: V.T.

APPROVED BY: MAHMOOD KARIMZADEH, A.I.A., PRINCIPAL ARCHITECT

VERTICAL CONTROL:

HORIZONTAL CONTROL:

SHEET TITLE: POOL BUILDING SINGLE LINE DIAGRAM AND ELEVATIONS

PROJECT: RANCHO CIENEGA SPORTS COMPLEX

ADDRESS: 5001 RODEO ROAD LOS ANGELES, CA 90016

BUREAU OF ENGINEERING OFFICIAL RECORD

WORK ORDER NO. E1907694

PLAN FILE NO.

DRAWING NO. E-39

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REVISION DATES (DESIGN STAGE ONLY)

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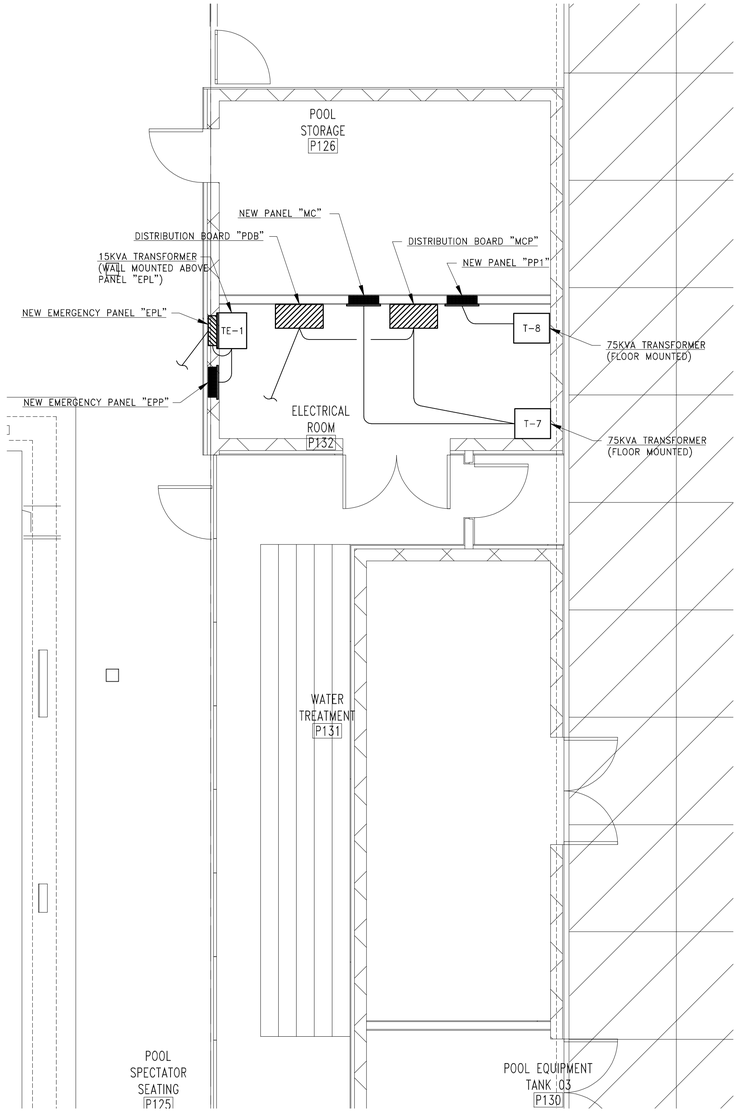
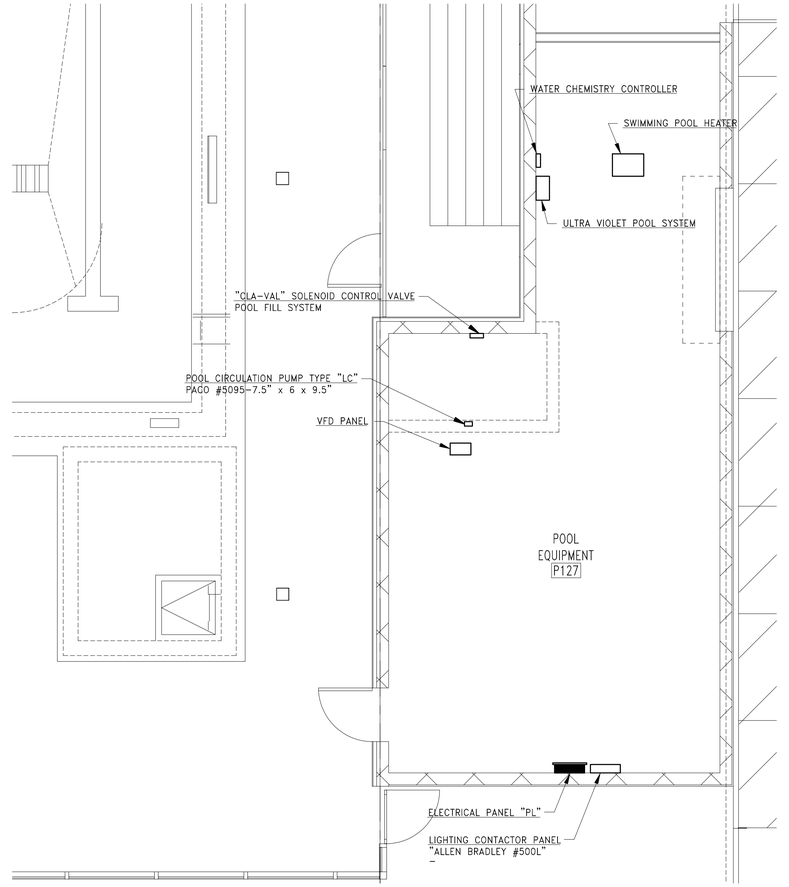


ENLARGED PLAN #3 ELECTRICAL ROOM #P132

GROUND LEVEL POOL

SCALE: 1/4" = 1'-0"



ENLARGED PLAN POOL EQUIPMENT ROOM #P127

GROUND LEVEL POOL

SCALE: 1/4" = 1'-0"

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BUILDING NO.

INDEX NO. - RP 300094

GARY LEE MOORE, PE, ENV SP CITY ENGINEER
ARCHITECTURAL DIVISION
ENGINEER: VLADIMIR TSIDULKO, PE LIC. NO. E11834
DESIGNED BY: V.T. DATE:
DRAWN BY: K.G.
CHECKED BY: V.T.
APPROVED BY: MAHMOOD KARIMZADEH, A.I.A., PRINCIPAL ARCHITECT

VERTICAL CONTROL:
HORIZONTAL CONTROL:

SHEET TITLE: ENLARGED GROUND GYM-POOL ELECTRICAL-POWER

PROJECT: RANCHO CIENEGA SPORTS COMPLEX

ADDRESS: 5001 RODEO ROAD
LOS ANGELES, CA 90016

WORK ORDER NO.
E1907694

PLAN FILE NO.

DRAWING NO.
E-40

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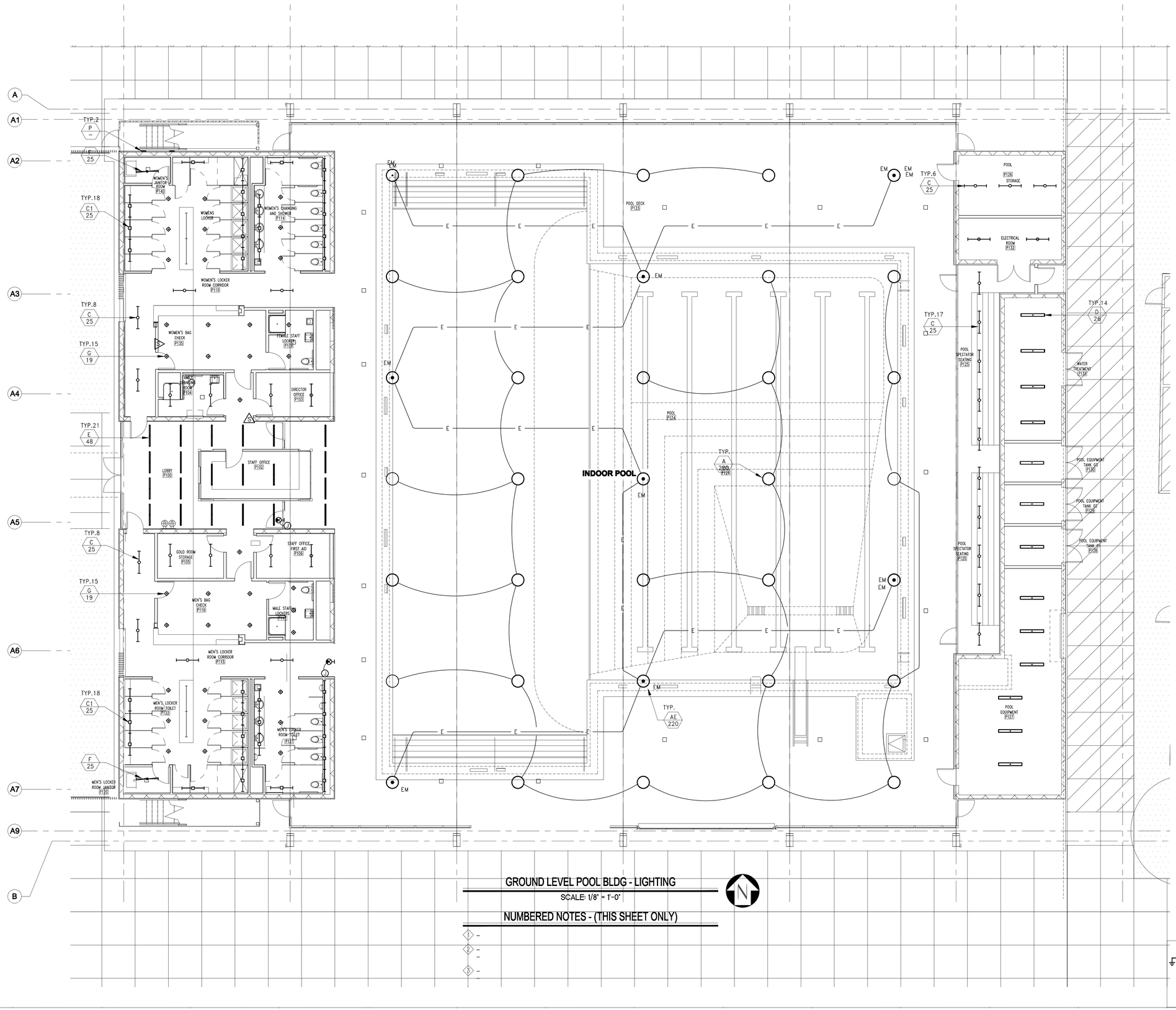
REVISION DATES (DESIGN STAGE ONLY)



GROUND LEVEL POOL BLDG - LIGHTING

SCALE: 1/8" = 1'-0"

NUMBERED NOTES - (THIS SHEET ONLY)

1 –
2 –
3 –

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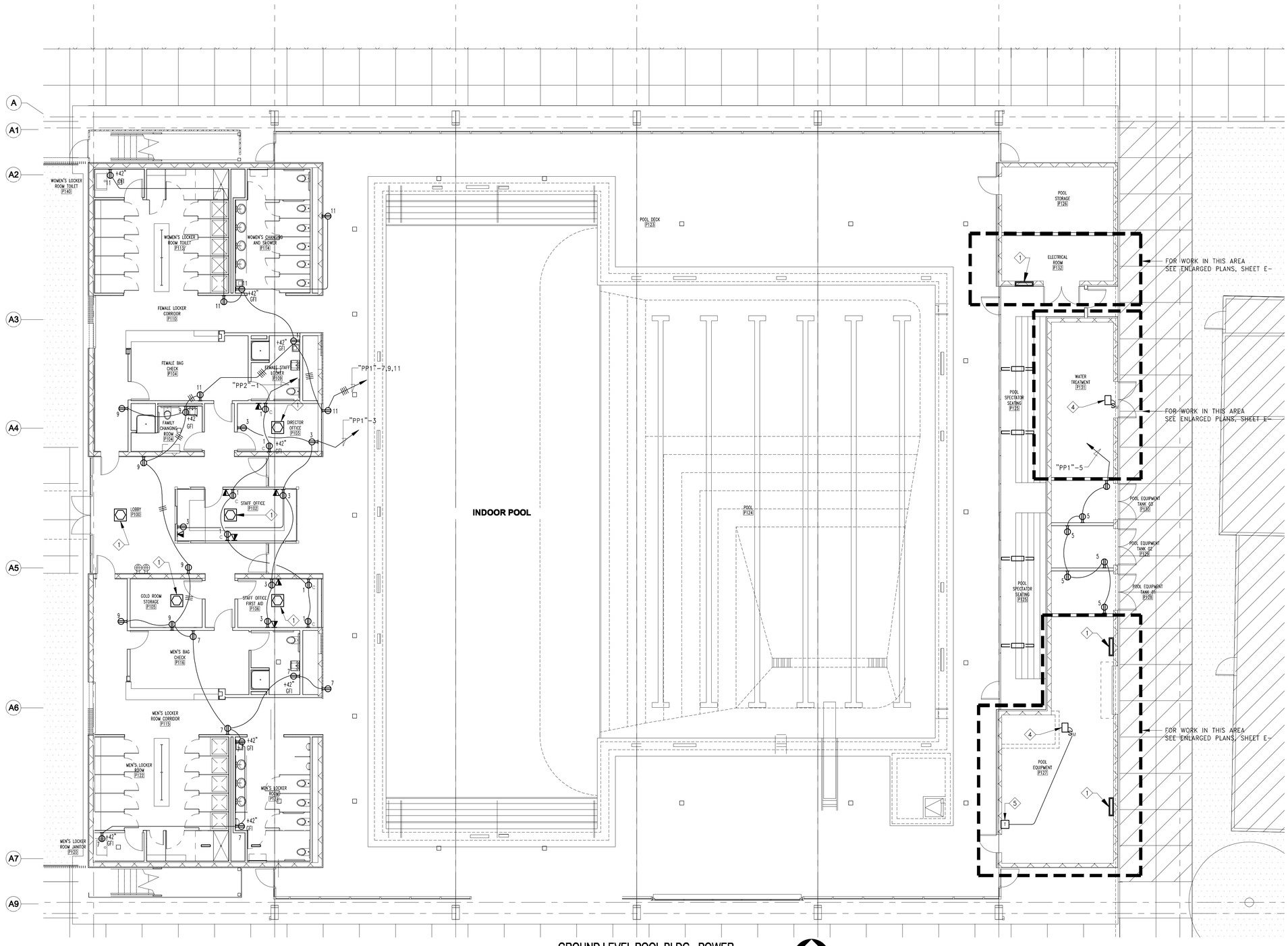
ARCHITECTURAL DIVISION
ENGINEER: VLADIMIR TSIDULKO, PE LIC. NO. E11834
DESIGNED BY: V.T.
DRAWN BY: K.G.
CHECKED BY: V.T.
APPROVED BY: MAHMOOD KARIMZADEH, A.I.A., PRINCIPAL ARCHITECT

VERTICAL CONTROL:
HORIZONTAL CONTROL:
SHEET TITLE: GROUND LEVEL & GYM BLDG-LIGHTING PLAN
PROJECT: RANCHO CIENEGA SPORTS COMPLEX
ADDRESS: 5001 RODEO ROAD LOS ANGELES, CA 90016

WORK ORDER NO. E1907694
PLAN FILE NO.
DRAWING NO. E-41
SHEET OF SHEETS



GROUND LEVEL POOL BLDG - POWER

SCALE: 1/8" = 1'-0"

NUMBERED NOTES - (THIS SHEET ONLY)

1. FAN COIL UNIT AMP, VOLT, PHASE
   PROVIDE MANUAL MOTOR STARTER WITH OVERLOAD PROTECTION
   RUN 1/2"C.O. TO THE RESPECTIVE THERMOSTAT.
2. CONDENSER UNIT AMP, VOLT, PHASE
   PROVIDE MANUAL MOTOR STARTER WITH OVERLOAD PROTECTION
   RUN 1/2"C.O. TO THE INTERLOCK POINT.
3. CONDENSATION PUMP AMP, VOLT, PHASE
   PROVIDE MANUAL MOTOR STARTER WITH OVERLOAD PROTECTION
4. EXHAUST FAN AMP, VOLT, PHASE
   PROVIDE MANUAL MOTOR STARTER WITH OVERLOAD PROTECTION
   RUN 1/2"C.O. TO THE RESPECTIVE THERMOSTAT.
5. MANUAL 30 MINUTE TIME CLOCK TO CONTROL EXHAUST FAN COMPLIANCE WITH TITLE 24 REQUIREMENTS.

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GARY LEE MOORE, PE, ENV SP CITY ENGINEER
ARCHITECTURAL DIVISION
ENGINEER: VLADIMIR TSIDULKO, PE LIC. NO. E11834
DESIGNED BY: V.T. DATE:
DRAWN BY: K.G.
CHECKED BY: V.T.
APPROVED BY: MAHMOOD KARIMZADEH, A.I.A., PRINCIPAL ARCHITECT

NO. REVISIONS: DATE: BY:

BUILDING NO. RP 300094
INDEX NO. -

VERTICAL CONTROL:
HORIZONTAL CONTROL:
SHEET TITLE: GROUND LEVEL & GYM BLDG-POWER PLAN
PROJECT: RANCHO CIENEGA SPORTS COMPLEX
ADDRESS: 5001 RODEO ROAD LOS ANGELES, CA 90016

WORK ORDER NO. E1907694
PLAN FILE NO.
DRAWING NO. E-42
SHEET OF SHEETS

REVISION DATES (DESIGN STAGE ONLY)

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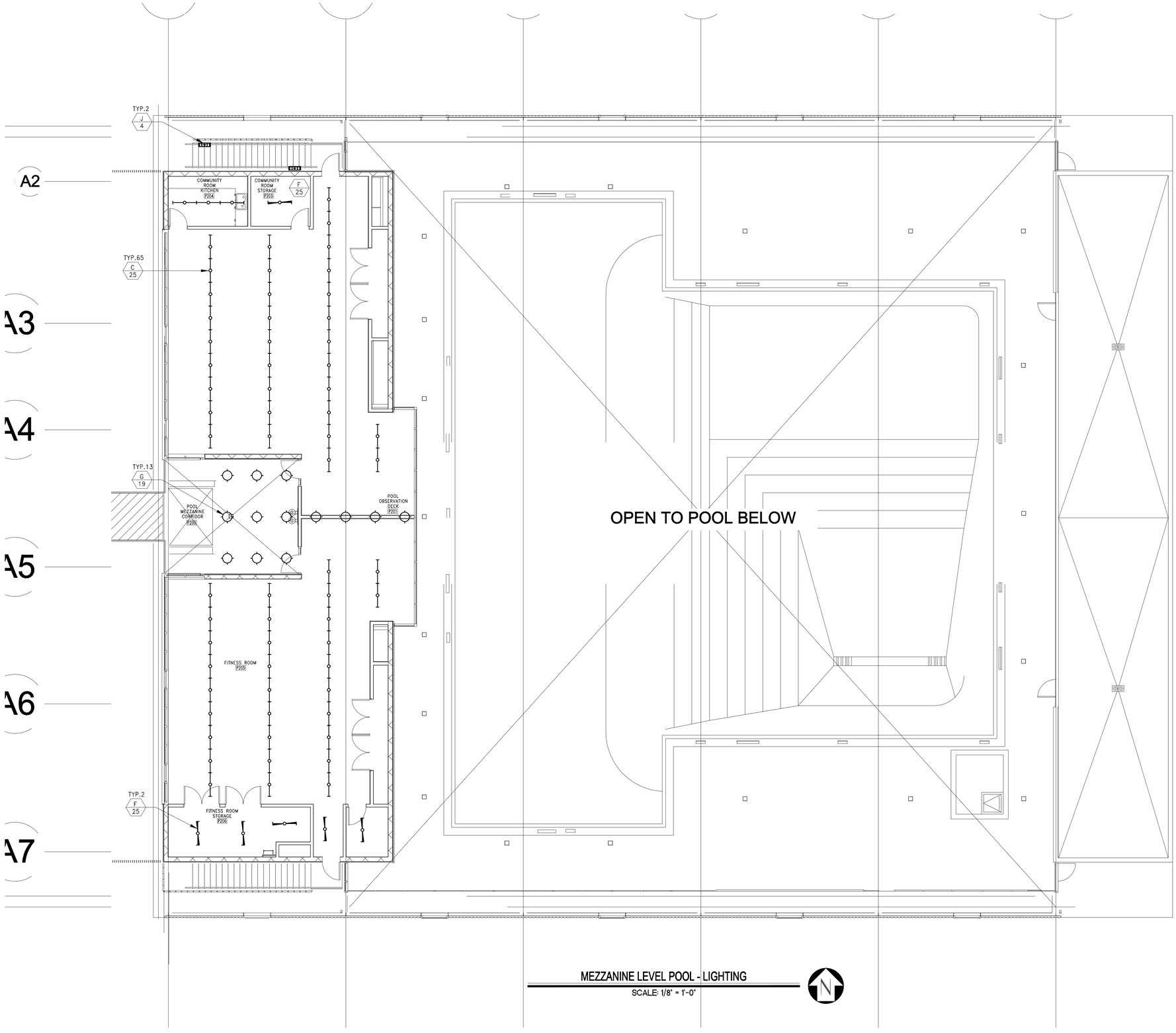


MEZZANINE LEVEL POOL - LIGHTING

SCALE: 1/8" = 1'-0"

BID SET SUBMITTAL

BUREAU OF ENGINEERING

CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS

ENGINEERING
CITY OF LOS ANGELES

NO.	REVISIONS:	DATE:	BY:

BUILDING NO.

INDEX NO. - RP 300094

GARY LEE MOORE, PE, ENV SP CITY ENGINEER

ARCHITECTURAL DIVISION

ENGINEER: VLADIMIR TSIDULKO, PE LIC. NO. E11834

DESIGNED BY: V.T.

DRAWN BY: K.G.

CHECKED BY: V.T.

APPROVED BY: MAHMOOD KARIMZADEH, A.I.A., PRINCIPAL ARCHITECT

DATE:

VERTICAL CONTROL:

HORIZONTAL CONTROL:

SHEET TITLE: MEZZANINE LEVEL TENNIS GRANDSTANDAND LIGHTING

PROJECT: RANCHO CIENEGA SPORTS COMPLEX

ADDRESS: 5001 RODEO ROAD LOS ANGELES, CA 90016

BUREAU OF ENGINEERING OFFICIAL RECORD

WORK ORDER NO. E1907694

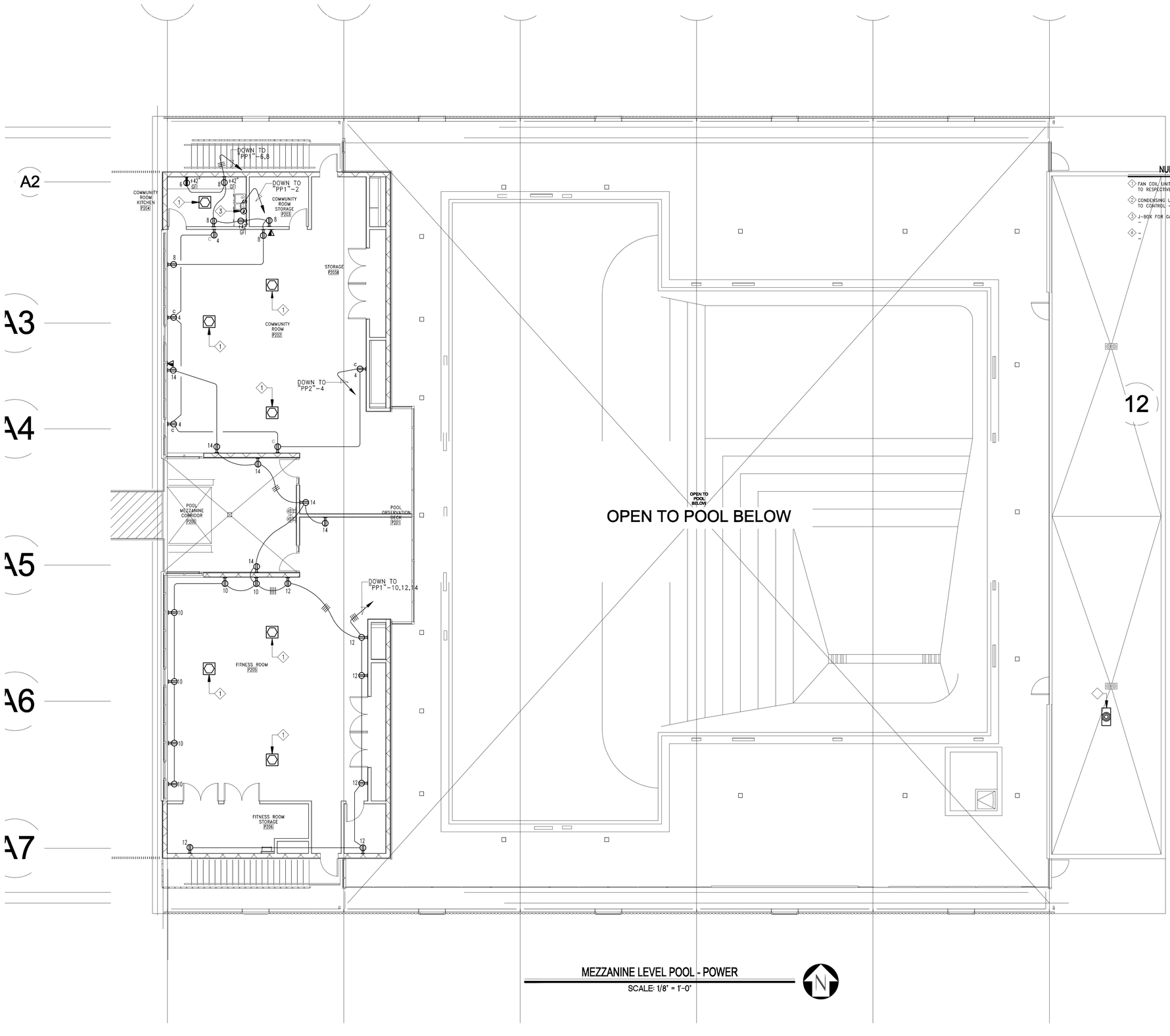
PLAN FILE NO.

DRAWING NO. E-43

SHEET OF SHEETS

V & M ELECTRICAL ENGINEERING, INC.
3330 Barham Boulevard, Suite 204
Los Angeles, CA 90068
(323)851-9964 Fax (323)851-0153
E-mail: vme@vmelectrical.com

REVISION DATES (DESIGN STAGE ONLY)



NUMBERED NOTES - (THIS SHEET ONLY)

1. FAN COIL UNIT. ...AMP, ...VOLT, ...PHASE. PROVIDE... RUN 1/2"C.O. TO RESPECTIVE THERMOSTAT.
2. CONDENSING UNIT. ...AMP, ...VOLT, ...PHASE. PROVIDE... RUN 1/2"C.O. TO TO CONTROL – INTERLOCK POINT.
3. J-BOX FOR GARBAGE DISPOSAL. 120V, 900W, 1P PROVIDE TOGGLE SWITCH.
4. –
5. –

MEZZANINE LEVEL POOL - POWER

SCALE: 1/8" = 1'-0"

BUREAU OF ENGINEERING
OFFICIAL RECORD

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Los Angeles, CA 90068
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BUREAU OF ENGINEERING

ENGINEERING
CITY OF LOS ANGELES

NO. REVISIONS: DATE: BY:

BUILDING NO.

INDEX NO. - RP 300094

GARY LEE MOORE, PE, ENV SP CITY ENGINEER

ARCHITECTURAL DIVISION LIC. NO. E11834

ENGINEER: VLADIMIR TSIDULKO, PE DATE:

DESIGNED BY: V.T.

DRAWN BY: K.G.

CHECKED BY: V.T.

APPROVED BY: MAHMOOD KARIMZADEH, A.I.A., PRINCIPAL ARCHITECT

VERTICAL CONTROL:

HORIZONTAL CONTROL:

SHEET TITLE: MEZZANINE LEVEL TENNIS GRANDSTANDAND LIGHTING

PROJECT: RANCHO CIENEGA SPORTS COMPLEX

ADDRESS: 5001 RODEO ROAD LOS ANGELES, CA 90016

WORK ORDER NO. E1907694

PLAN FILE NO.

DRAWING NO. E-44

SHEET OF SHEETS

REVISION DATES (DESIGN STAGE ONLY)

REVISION DATE: 10/24/2018 5:30 PM FILE: Z:\14-918 RANCHO CIENEGA SPORTS COMPLEX\DRAWINGS\REVIT\LINKS-AUTOCAD\BOE_TITLEBLOCK_CD_80PERCENT.DWG

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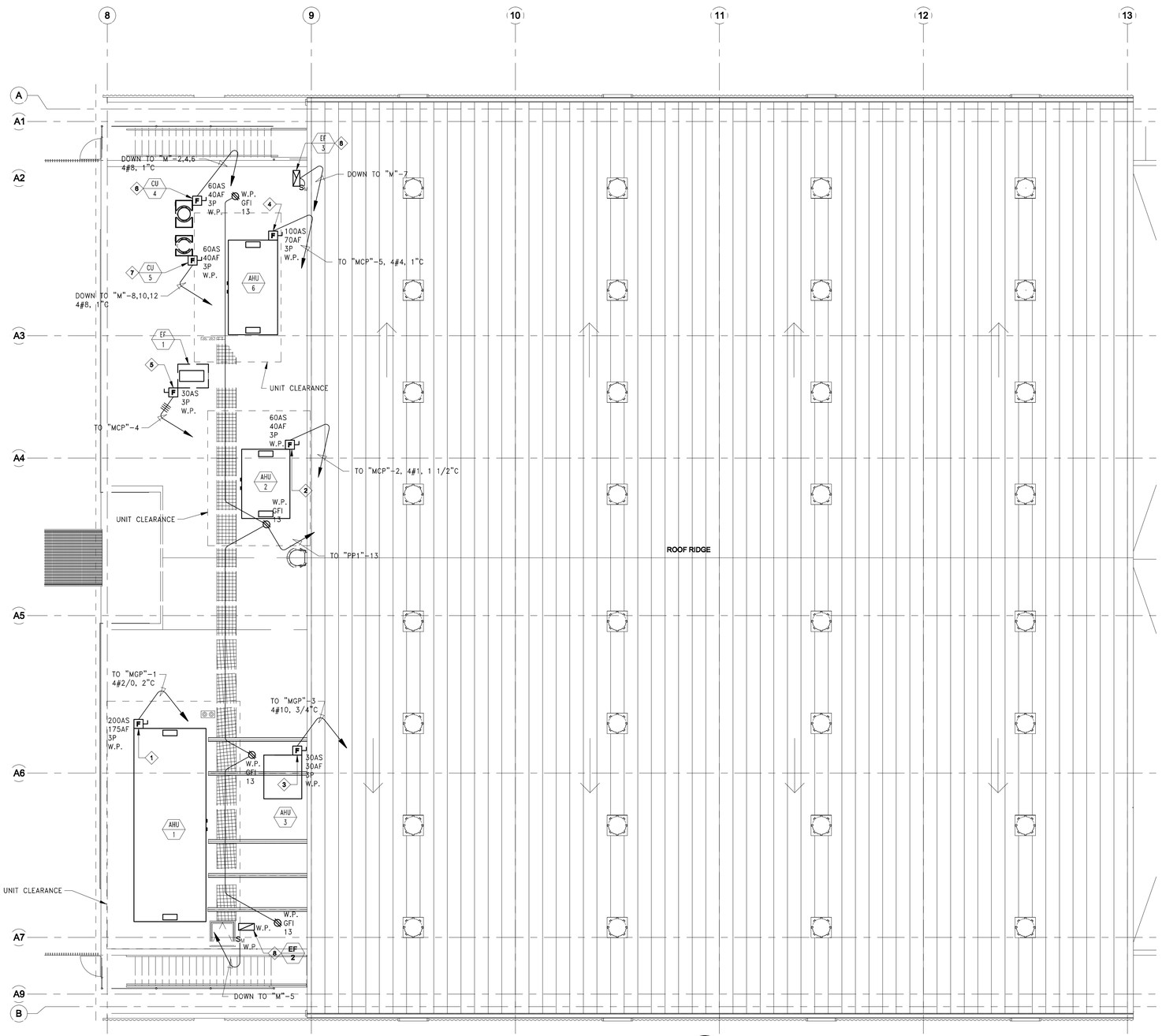

POOL BUILDING ROOF PLAN - POWER

SCALE: 1/8" = 1'-0"

NUMBERED NOTES - (THIS SHEET ONLY)

1. AHU-1, 480V, 3 PHASE, 121 AMP FULL LOAD. PROVIDE 200AS, 175AF, 3 PHASE, W.P. DISCONNECT SWITCH. RUN 3/4" C.O., TO CONTROL POINT.
2. AHU-2, 480V, 3 PHASE, 90 AMP FULL LOAD. PROVIDE 200AS, 125AF, 3 PHASE, W.P. DISCONNECT SWITCH. RUN 3/4" C.O., TO CONTROL POINT.
3. AHU-3, 480V, 3 PHASE, 21 AMP FULL LOAD. PROVIDE 30AS, 30AF, 3 PHASE, W.P. DISCONNECT SWITCH. RUN 3/4" C.O., TO CONTROL POINT.
4. AHU-6, 480V, 3 PHASE, 47 AMP FULL LOAD. PROVIDE 100AS, 70AF, 3 PHASE, W.P. DISCONNECT SWITCH. RUN 3/4" C.O., TO CONTROL POINT.
5. EXHAUST FAN EF-1, 5 HP, 480V, 3 PHASE, PROVIDE NON FUSED DISCONNECT SWITCH, 30AS, 3P, W.P. RUN 3/4" C.O. TO CONTROL INTERLOCK POINT. VERIFY WITH HVAC INSTALLER AVAILABILITY OF MOTOR CONTROL EQUIPMENT (STARTER, PUSH BUTTONS, H-OFF-AUTO SWITCHES, ETC.) AND PROVIDE IF REQUIRED IN ACCORDANCE WITH MANUFACTURE SPECIFICATIONS.
6. CU-4, 208V, 3 PHASE, 24 AMP. PROVIDE 60AS, 40AF, 3 PHASE, W.P. DISCONNECT SWITCH. RUN 3/4" C.O., TO CONTROL INTERLOCK POINT.
7. CU-5, 208V, 3 PHASE, 33 AMP. PROVIDE 60AS, 50AF, 3 PHASE, W.P. DISCONNECT SWITCH. RUN 3/4" C.O., TO CONTROL INTERLOCK POINT.
8. EF-2 & EF-3, 120V, 1 PHASE, 6.7 AMP. PROVIDED MANUAL MOTOR STARTER WITH OVERLOAD PROTECTION, W.P. RUN 3/4" C.O. TO CONTROL POINT.

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ENGINEERING
CITY OF LOS ANGELES

NO. REVISIONS: DATE: BY:

BUILDING NO.

INDEX NO. -

CITY OF LOS ANGELES
DEPARTMENT OF PUBLIC WORKS
BUREAU OF ENGINEERING
GARY LEE MOORE, PE, ENV SP CITY ENGINEER
DATE:
ARCHITECTURAL DIVISION
ENGINEER: VLADIMIR TSIDULKO, PE LIC. NO. E11834
DESIGNED BY: V.T.
DRAWN BY: K.G.
CHECKED BY: V.T.
APPROVED BY: MAHMOOD KARIMZADEH, A.I.A., PRINCIPAL ARCHITECT

VERTICAL CONTROL:
HORIZONTAL CONTROL:

SHEET TITLE: POOL; BULDING ROOF-POWER
PROJECT: RANCHO CIENEGA SPORTS COMPLEX
ADDRESS: 5001 RODEO ROAD LOS ANGELES, CA 90016

WORK ORDER NO. E1907694
PLAN FILE NO.
DRAWING NO. E-45
SHEET OF SHEETS
PLOTTED: —

RP 300094

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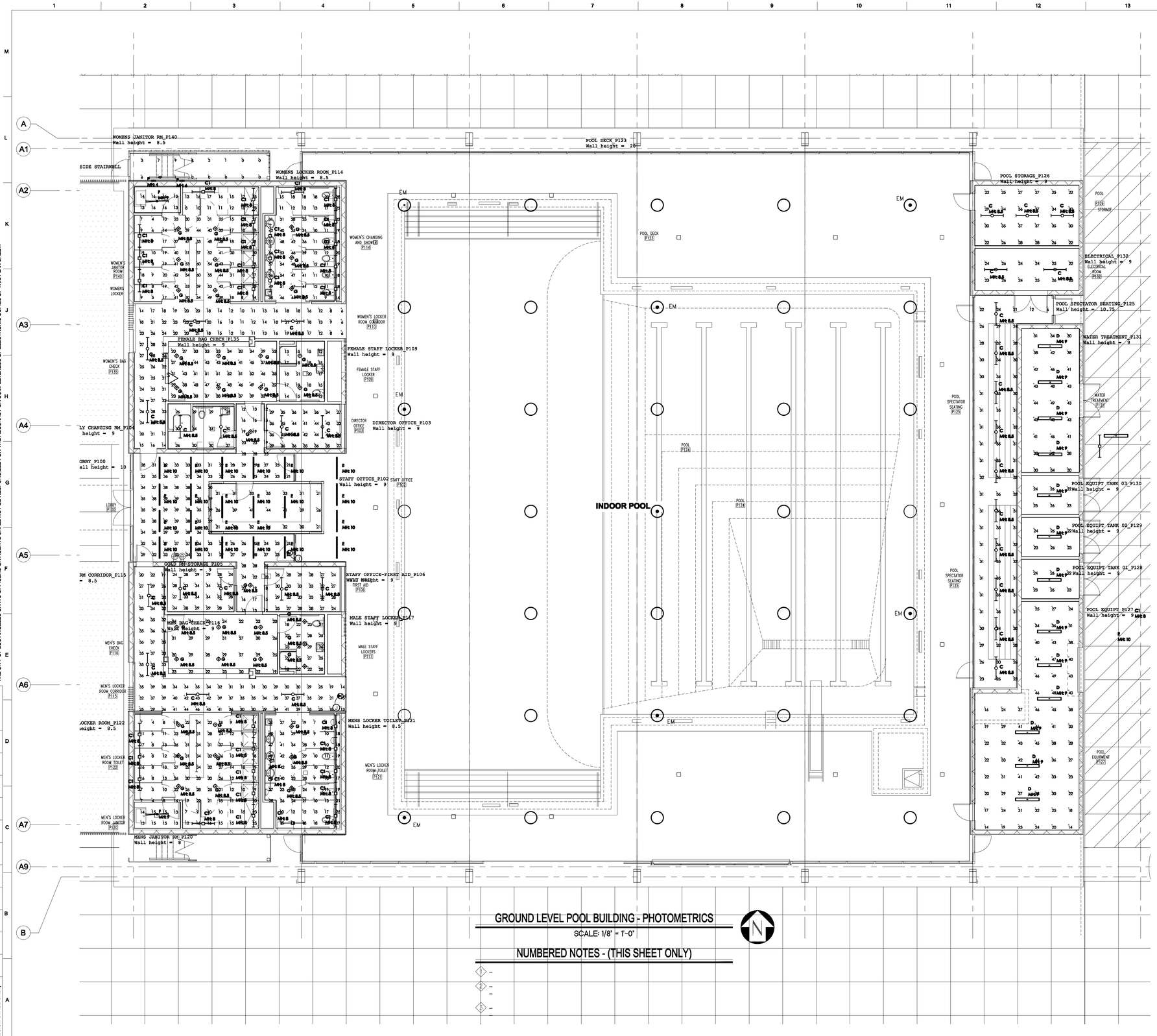
TEMPLATE SHEET REVISION DATE: 06/2014
REVISION DATE: 10/24/2018 5:30 PM FILE: Z:\14-618 RANCHO CIENEGA SPORTS COMPLEX\DRAWINGS\REVITLINKS-AUTOCAD\BOE_TITLEBLOCK_D3_80PERCENT.DWG

REVISION DATES (DESIGN STAGE ONLY)



GROUND LEVEL POOL BUILDING - PHOTOMETRICS

SCALE: 1/8" = 1'-0"

NUMBERED NOTES - (THIS SHEET ONLY)

1 –

2 –

3 –

-------Disclaimer-------

Luminaire data is obtained according to IES procedures under controlled laboratory conditions. Field results may differ from computer predictions due to many uncontrollable factors including, but not limited to Line Voltage Variations, Lamp Performance, Ballast input watts, LED Drivers input watts, Temperature Variations and Jobsite Conditions.

Luminaire Schedule

Project: POOL

Symbol	Qty	Label	Arrangement	LLF	Description
	48	A	SINGLE	0.900	METEOR // WS-240-40K-80
	33	C	SINGLE	0.900	PRUDENTIAL // P43-LED3S-SO-4-X-D1-SC-UNV-X1-DM10
	36	C1	SINGLE	0.900	PRUDENTIAL //P43-LED3S-LO-4-X-SAL-D1G-SC-UNV-X1-DM10
	13	D	SINGLE	0.900	COLUMBIA // LXEM44-40ML-DFA-EU
	15	E	SINGLE	0.900	ALIGHT // ACL3-4-LH-40-35-U-S
	2	F	SINGLE	0.900	COLUMBIA // LCL4-40LW-EDU
	42	G	SINGLE	0.900	PRESCOLITE // LFALEDG4 4LFLEDG430K
	2	P	SINGLE	0.900	1505-A8-X-N-MV-CP

Calculation Summary

Label	CalcType	Units	Avg	Max	Min	Avg/Min	Max/Min
DIRECTOR OFFICE_P103_Workplane	Illuminance	Fc	37.14	45	27	1.38	1.67
ELECTRICAL_P132_Floor	Illuminance	Fc	24.33	26	22	1.11	1.18
FAMILY CHANGING RM_P104_Floor	Illuminance	Fc	29.17	34	25	1.17	1.36
FEMALE BAG CHECK_P135_Workplane	Illuminance	Fc	38.24	52	20	1.91	2.60
FEMALE LOCKER RM CORRIDOR_P110_Floor	Illuminance	Fc	18.52	28	6	3.09	4.67
FEMALE STAFF LOCKER_P109_Floor	Illuminance	Fc	16.30	21	12	1.36	1.75
GOLD RM-STORAGE_P105_Floor	Illuminance	Fc	29.35	34	24	1.22	1.42
LOBBY_P100_Floor	Illuminance	Fc	28.87	39	12	2.41	3.25
MALE STAFF LOCKER_P117_Floor	Illuminance	Fc	25.75	29	18	1.32	1.61
MEN BAG CHECK_P116_Workplane	Illuminance	Fc	25.39	31	19	1.34	1.63
MENS JANITOR RM_P120_Floor	Illuminance	Fc	14.13	15	13	1.09	1.15
MENS LOCKER RM CORRIDOR_P115_Floor	Illuminance	Fc	32.71	46	13	2.52	3.54
MENS LOCKER ROOM_P122_Floor	Illuminance	Fc	17.65	34	4	4.41	8.50
MENS LOCKER TOILET_P121_Floor	Illuminance	Fc	23.00	49	7	3.29	7.00
OUTSIDE STAIRWELL_Workplane	Illuminance	Fc	5.38	49	0	N.A.	N.A.
POOL DECK_P123_Floor	Illuminance	Fc	55.50	63	5	11.10	12.60
POOL EQUIPT TANK 01_P128_Floor	Illuminance	Fc	24.00	26	22	1.09	1.18
POOL EQUIPT TANK 02_P129_Floor	Illuminance	Fc	24.00	26	22	1.09	1.18
POOL EQUIPT TANK 03_P130_Floor	Illuminance	Fc	24.00	26	22	1.09	1.18
POOL EQUIPT_P127_Floor	Illuminance	Fc	32.68	49	14	2.33	3.50
POOL SPECTATOR SEATING_P125_Floor	Illuminance	Fc	30.20	36	6	5.03	6.00
POOL SPECTATOR SEATING_P125_Floor_1	Illuminance	Fc	30.20	36	6	5.03	6.00
POOL STORAGE_P126_Floor	Illuminance	Fc	29.33	37	22	1.33	1.68
STAFF OFFICE-FIRST AID_P106_Floor	Illuminance	Fc	29.00	33	24	1.21	1.38
STAFF OFFICE_P102_Workplane	Illuminance	Fc	31.48	44	21	1.50	2.10
WATER TREATMENT_P131_Floor	Illuminance	Fc	40.22	49	30	1.34	1.63
WATER TREATMENT_P131_Floor_1	Illuminance	Fc	40.22	49	30	1.34	1.63
WOMENS JANITOR RM_P140_Floor	Illuminance	Fc	14.63	16	13	1.13	1.23
WOMENS LOCKER ROOM_P113_Floor	Illuminance	Fc	26.21	60	4	6.55	15.00
WOMENS LOCKER ROOM_P114_Floor	Illuminance	Fc	28.26	57	9	3.14	6.33

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E-mail: vme@vmelectrical.com

BUREAU OF ENGINEERING
CITY OF LOS ANGELES
ENGINEERING

NO. REVISIONS: DATE: BY:

BUILDING NO.

INDEX NO. -

RP 300094

BID SET SUBMITTAL

DEPARTMENT OF PUBLIC WORKS
CITY OF LOS ANGELES

VERTICAL CONTROL:
HORIZONTAL CONTROL:

SHEET TITLE: GROUND LEVEL & GYM BLDG-LIGNTING PLAN

PROJECT: RANCHO CIENEGA SPORTS COMPLEX

ADDRESS: 5001 RODEO ROAD
LOS ANGELES, CA 90016

GARY LEE MOORE, PE, ENV SP CITY ENGINEER
DATE:
ARCHITECTURAL DIVISION
ENGINEER: VLADIMIR TSIDULKO, PE LIC. NO. E11834
DESIGNED BY: V.T.
DRAWN BY: K.G.
CHECKED BY: V.T.
APPROVED BY: MAHMOOD KARIMZADEH, A.I.A., PRINCIPAL ARCHITECT

WORK ORDER NO.
E1907694

PLAN FILE NO.

DRAWING NO.
E-46

SHEET SHEETS
OF

PLOTTED: —

REVISION DATES (DESIGN & HIGHLIGHT ONLY)

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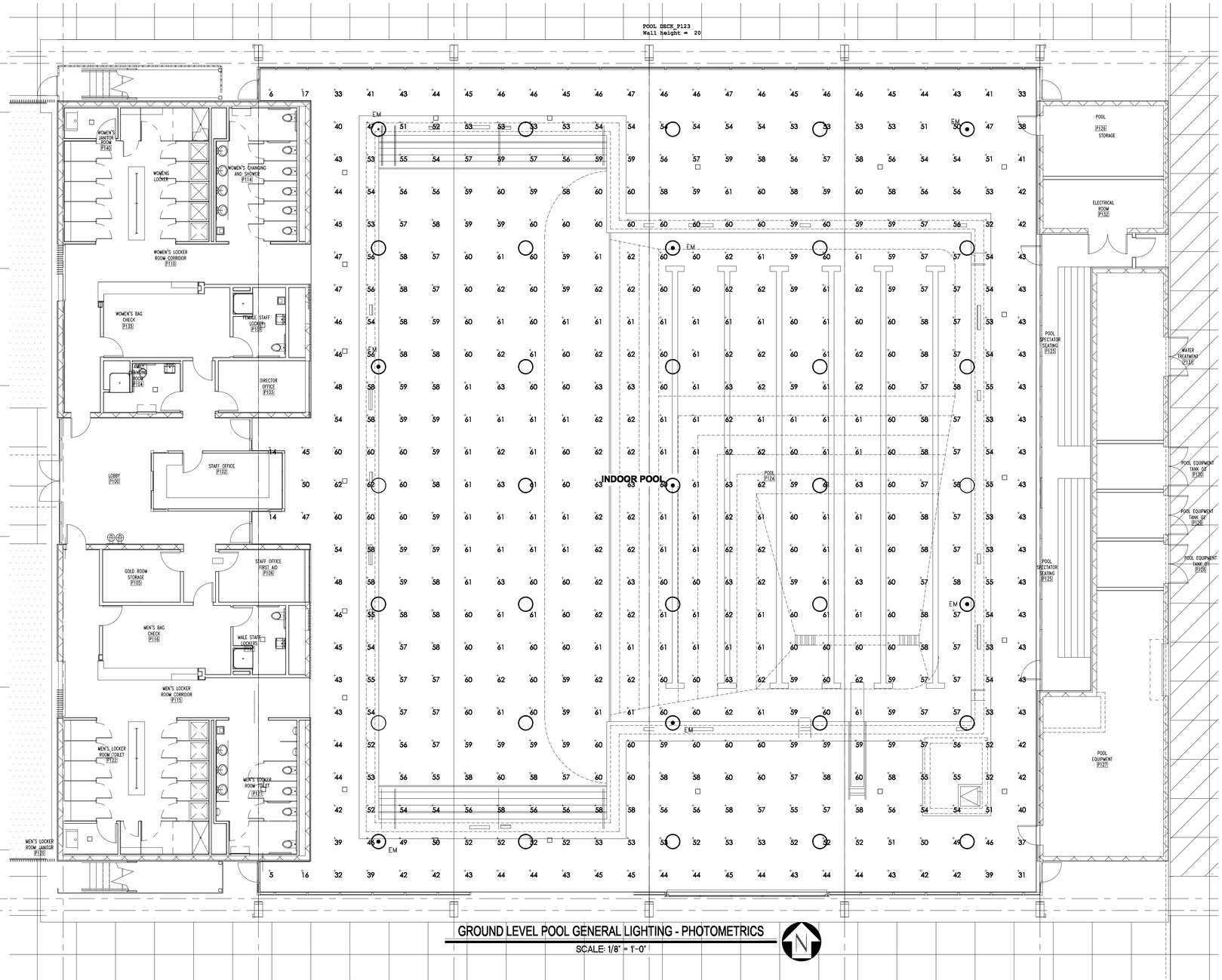

GROUND LEVEL POOL GENERAL LIGHTING - PHOTOMETRICS

SCALE: 1/8" = 1'-0"

-----Disclaimer-----
Luminaire data is obtained according to IES procedures under controlled laboratory conditions. Field results may differ from computer predictions due to many uncontrollable factors including, but not limited to Line Voltage Variations, Lamp Performance, Ballast input watts, LED Drivers input watts, Temperature Variations and Jobsite Conditions.

Calculation Summary

Label	CalcType	Units	Avg	Max	Min	Avg/Min	Max/Min
GYMNASIUM FLOOR_G106_Floor	Illuminance	Fc	56.65	69	13	4.36	5.31

Luminaire Schedule

Symbol	Qty	Label	Arrangement	LLF	Description
○	49	A	SINGLE	0.900	METEOR LIGHTING // WS-240-42K-80

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E-mail: vme@vmelectrical.com

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CITY OF LOS ANGELES
DEPARTMENT OF PUBLIC WORKS
BUREAU OF ENGINEERING

VERTICAL CONTROL:
HORIZONTAL CONTROL:

SHEET TITLE: GROUND LEVEL & GYM BLDG-LIGHTING PLAN

PROJECT: RANCHO CIENEGA SPORTS COMPLEX

ADDRESS: 5001 RODEO ROAD
LOS ANGELES, CA 90016

WORK ORDER NO. E1907694
PLAN FILE NO.
DRAWING NO. E-47
SHEET OF SHEETS

CITY ENGINEER
DATE:
LIC. NO. E11834
ARCHITECTURAL DIVISION
ENGINEER: VLADIMIR TSIDULKO, PE
DESIGNED BY: V.T.
DRAWN BY: K.G.
CHECKED BY: V.T.
APPROVED BY: MAHMOOD KARIMZADEH, A.I.A., PRINCIPAL ARCHITECT

BUILDING NO.
INDEX NO. -

NO. REVISIONS: DATE: BY:

RP 300094

PLOTTED: —

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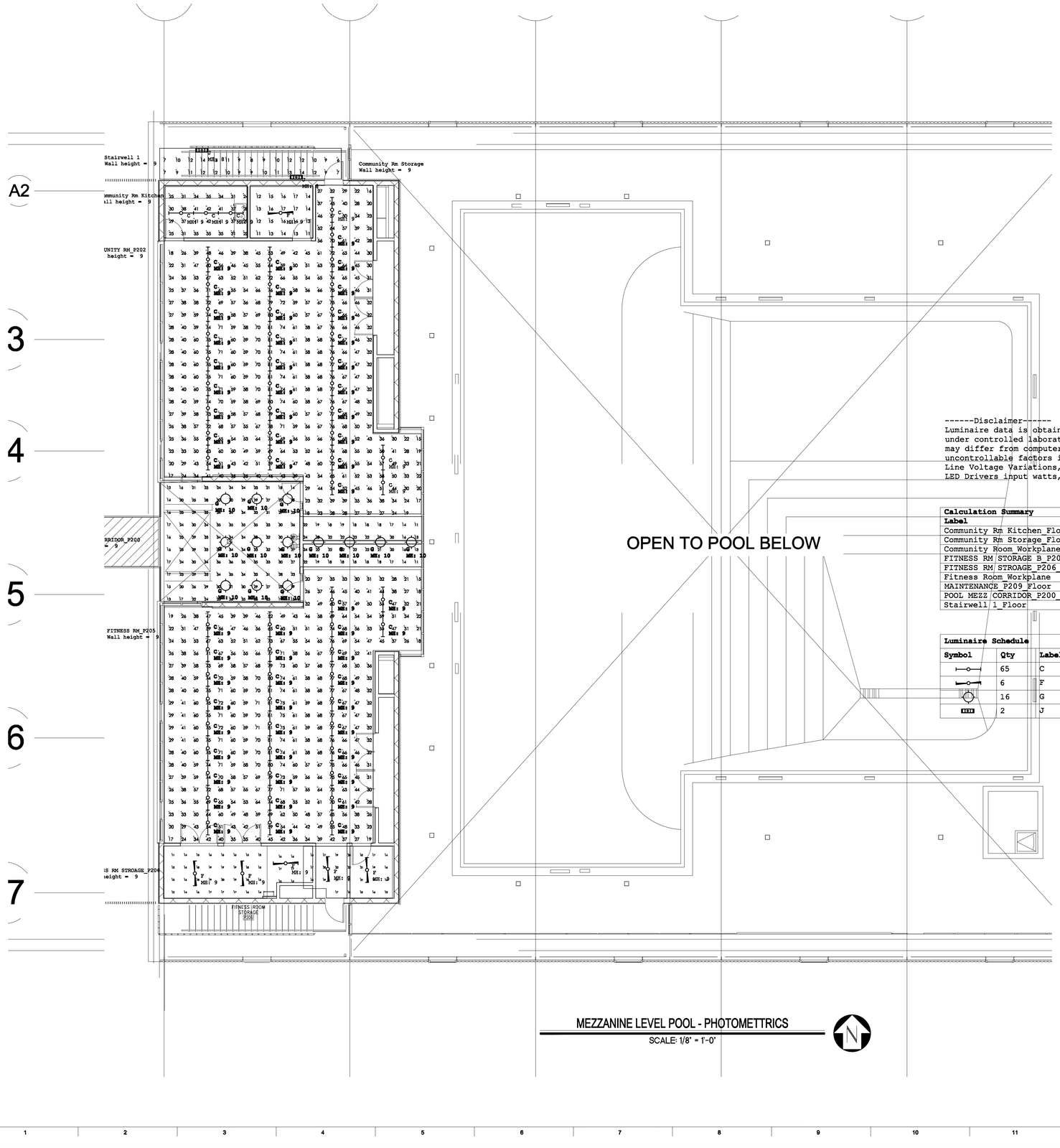

MEZZANINE LEVEL POOL - PHOTOMETTRICS

SCALE: 1/8" = 1'-0"

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LED Drivers input watts, Temperature Variations and Jobsite Conditions.

Calculation Summary

Label	CalcType	Units	Avg	Max	Min	Avg/Min	Max/Min
Community Rm Kitchen_Floor	Illuminance	Fc	33.71	42	24	1.40	1.75
Community Rm Storage_Floor	Illuminance	Fc	14.25	17	11	1.30	1.55
Community Room_Workplane	Illuminance	Fc	52.75	81	15	3.52	5.40
FITNESS RM STORAGE B_P208_Floor	Illuminance	Fc	18.12	22	13	1.39	1.69
FITNESS RM STROAGE_P206_Floor	Illuminance	Fc	16.06	20	11	1.46	1.82
Fitness Room_Workplane	Illuminance	Fc	53.49	81	15	3.57	5.40
MAINTENANCE_P209_Floor	Illuminance	Fc	16.00	17	15	1.07	1.13
POOL MEZZ CORRIDOR_P200_Floor	Illuminance	Fc	24.79	36	11	2.25	3.27
Stairwell 1_Floor	Illuminance	Fc	10.23	14	6	1.71	2.33

Luminaire Schedule

Symbol	Qty	Label	Arrangement	LLF	Description
	65	C	SINGLE	0.900	PRUDENTIAL // P43-LED35-SO-4-X-D1-SC-UNV-X1-DM10
	6	F	SINGLE	0.900	COLUMBIA // LCL4-40LW-EDU
	16	G	SINGLE	0.900	PRESCOLITE // LF4LEDG4 4LFLED6G430K
	2	J	SINGLE	0.900	LUMINAIRE LED // TSL9-2-25W-40K-10-277-OP-X-EMB722R

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ENGINEERING
CITY OF LOS ANGELES

NO. REVISIONS: DATE: BY:

BUILDING NO.

INDEX NO. -

RP 300094

BID SET SUBMITTAL

CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS

VERTICAL CONTROL:
HORIZONTAL CONTROL:

SHEET TITLE: MEZZANINE LEVEL TENNIS GRANDSTANDAND LIGHTING

PROJECT: RANCHO CIENEGA SPORTS COMPLEX

ADDRESS: 5001 RODEO ROAD
LOS ANGELES, CA 90016

CITY ENGINEER
GARY LEE MOORE, PE, ENV SP CITY ENGINEER
DATE:
ARCHITECTURAL DIVISION
ENGINEER: VLADIMIR TSIDULKO, PE LIC. NO. E11834
DESIGNED BY: V.T.
DRAWN BY: K.G.
CHECKED BY: V.T.
APPROVED BY: MAHMOOD KARIMZADEH, A.I.A., PRINCIPAL ARCHITECT

WORK ORDER NO.
E1907694

PLAN FILE NO.

DRAWING NO.
E-48

SHEET SHEETS
OF

PLOTTED: —

REVISION DATES (DESIGN & OTHERS ONLY)

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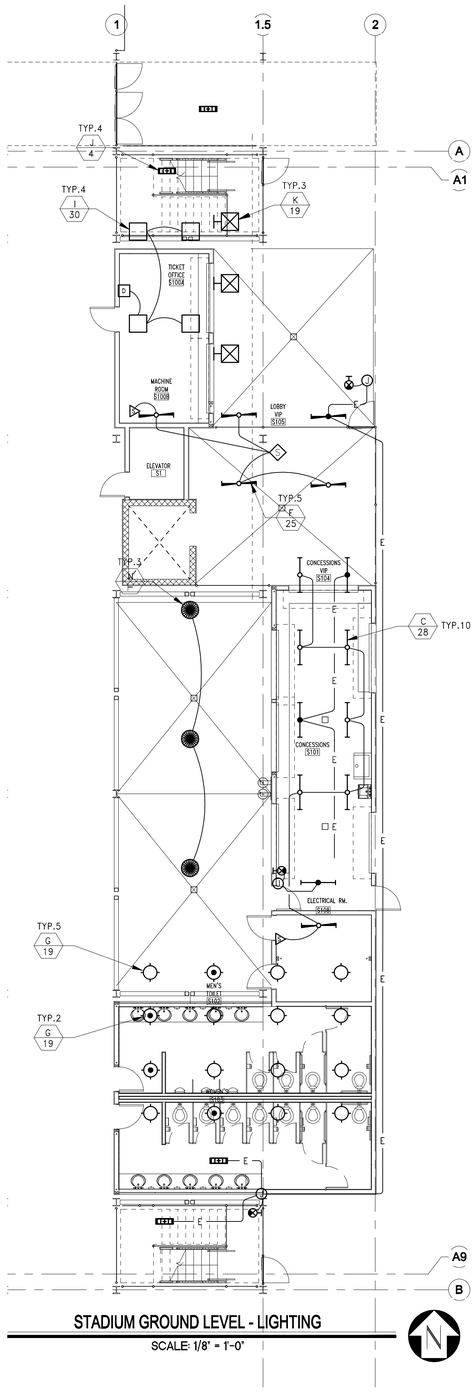
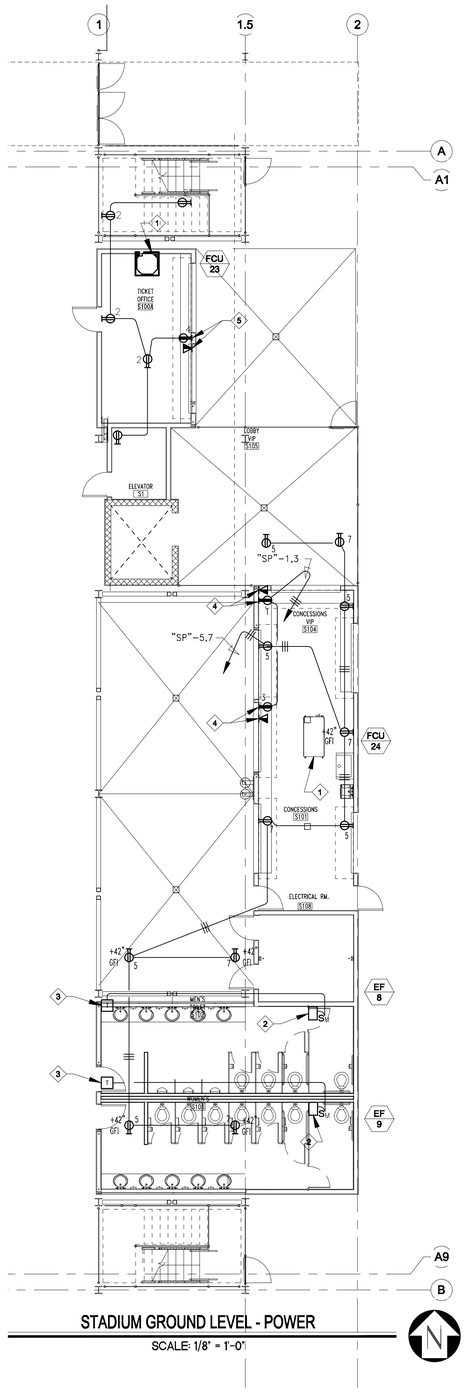


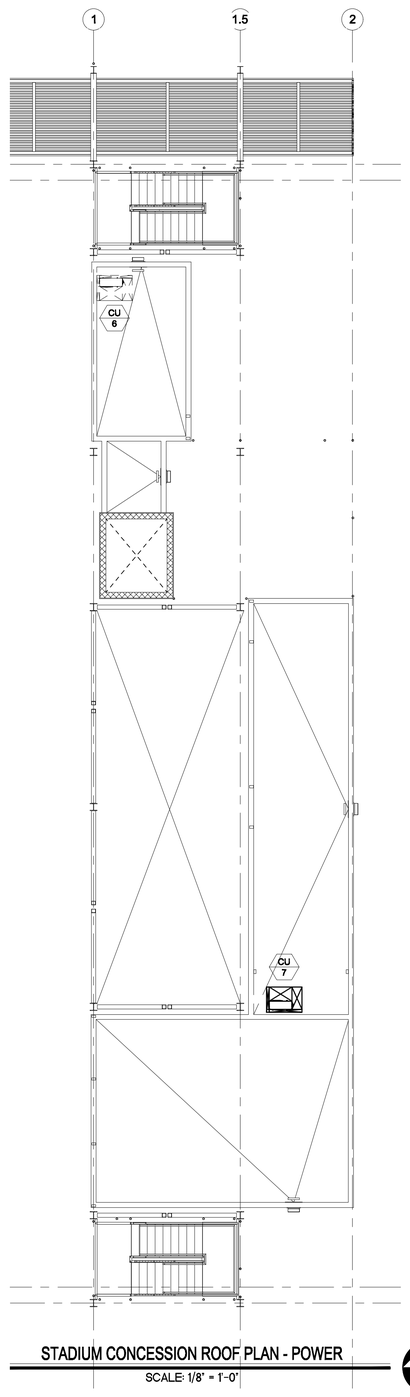
STADIUM GROUND LEVEL - LIGHTING

SCALE: 1/8" = 1'-0"



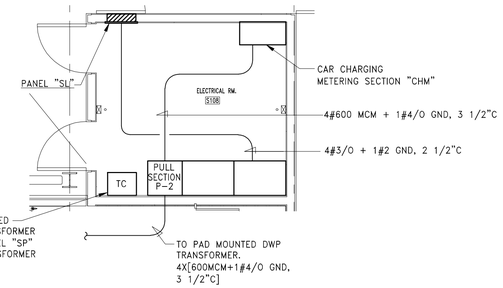
STADIUM GROUND LEVEL - POWER

SCALE: 1/8" = 1'-0"



STADIUM CONCESSION ROOF PLAN - POWER

SCALE: 1/8" = 1'-0"



CONCESSION STADIUM

ELECTRICAL ROOM ENLARGED PLAN

SCALE: 1/4" = 1'-0"

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TEMPLATE SHEET REVISION DATE: 08/2014
REVISION DATE: 10/24/2018 5:30 PM FILE: Z:\14-018 RANCHO CIENEGA SPORTS COMPLEX\DRAWINGS\REVIT\LINKS-AUTOCAD\BOE_TITLEBLOCK_CD_90PERCENT.DWG

REVISION DATES (DESIGN STAGE ONLY)

BUREAU OF ENGINEERING
CITY OF LOS ANGELES
ENGINEERING

NO. REVISIONS: DATE: BY:

BUILDING NO.

INDEX NO. -

REGISTERED PROFESSIONAL ENGINEER VLADIMIR TSIDULKO E11834 DO 09/30/18 STATE OF CALIFORNIA

BID SET SUBMITTAL

CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS

GARY LEE MOORE, PE, ENV SP CITY ENGINEER

ARCHITECTURAL DIVISION

ENGINEER: VLADIMIR TSIDULKO, PE LIC. NO. E11834
DESIGNED BY: V.T.
DRAWN BY: K.G.
CHECKED BY: V.T.
APPROVED BY: MAHMOOD KARIMZADEH, A.I.A., PRINCIPAL ARCHITECT

VERTICAL CONTROL:
HORIZONTAL CONTROL:

SHEET TITLE: STADIUM GROUND LEVEL LIGHTING & POWER PLANS

PROJECT: RANCHO CIENEGA SPORTS COMPLEX

ADDRESS: 5001 RODEO ROAD LOS ANGELES, CA 90016

BUREAU OF ENGINEERING OFFICIAL RECORD

WORK ORDER NO. E1907694

PLAN FILE NO.

DRAWING NO. E-52

SHEET OF SHEETS

PLOTTED: —

V & M ELECTRICAL ENGINEERING, INC.
3330 Barham Boulevard, Suite 204
Los Angeles, CA 90068
(323)851-9964 Fax (323)851-0153
E-mail: vme@vmelectrical.com

RP 300094

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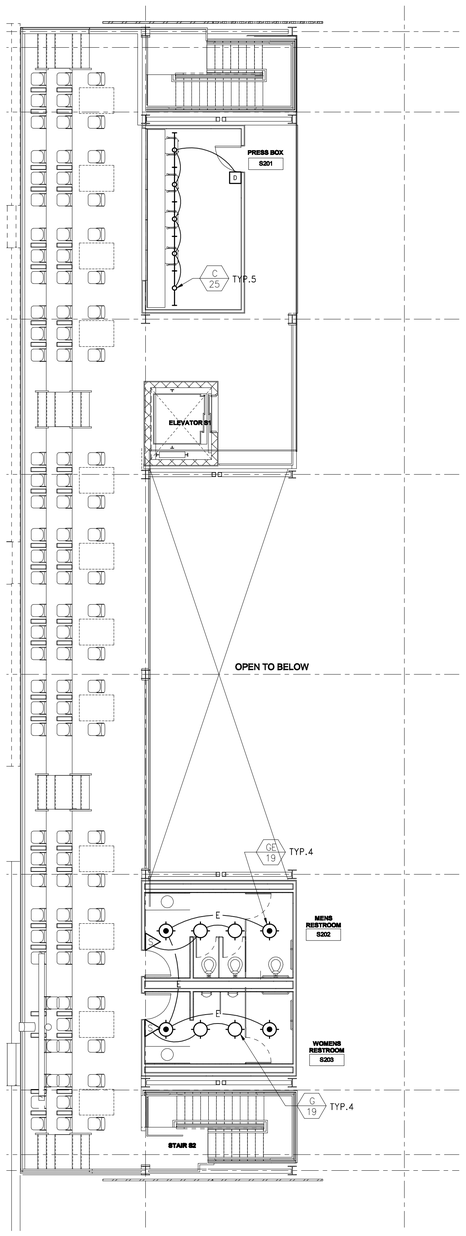
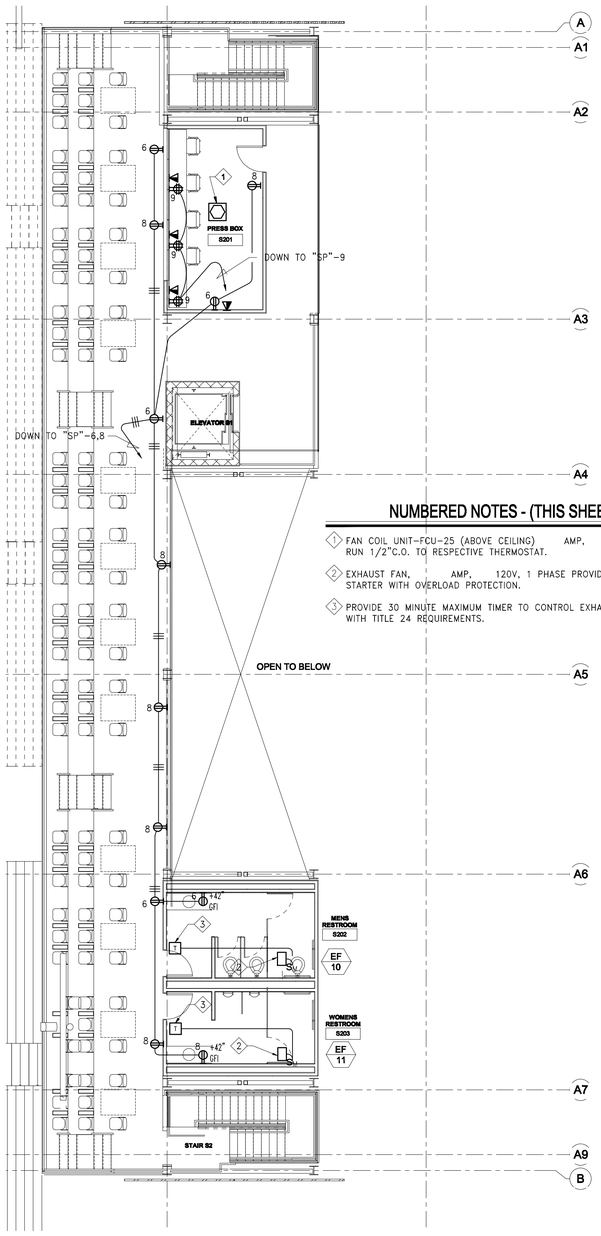


STADIUM OVERLOOK LEVEL - LIGHTING

SCALE: 1/8 = 1'-0"

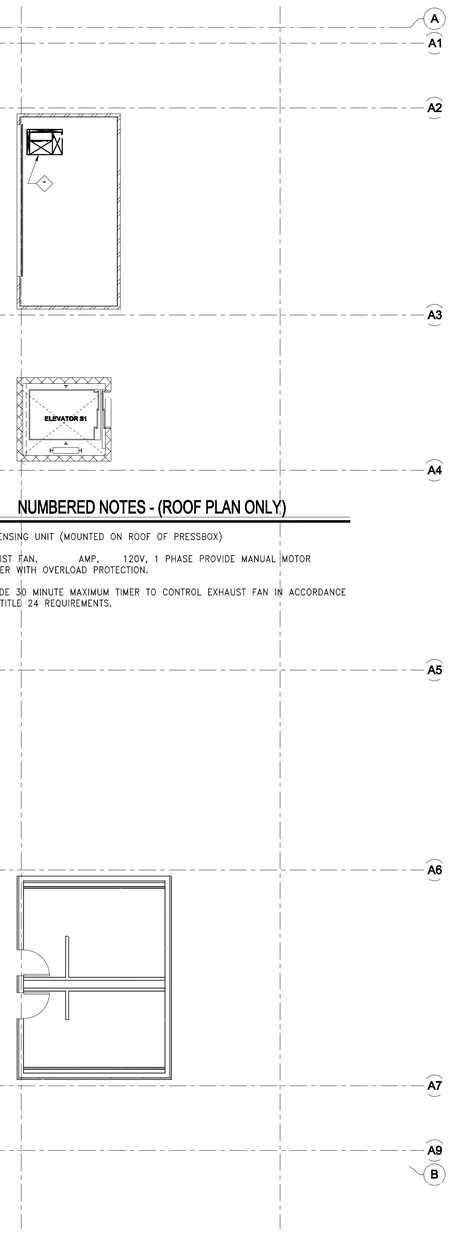


STADIUM OVERLOOK LEVEL - POWER

SCALE: 1/8 = 1'-0"

NUMBERED NOTES - (THIS SHEET ONLY)

1. FAN COIL UNIT-FCU-25 (ABOVE CEILING) AMP, VOLT, PHASE PROVIDE RUN 1/2"C.O. TO RESPECTIVE THERMOSTAT.
2. EXHAUST FAN, AMP, 120V, 1 PHASE PROVIDE MANUAL MOTOR STARTER WITH OVERLOAD PROTECTION.
3. PROVIDE 30 MINUTE MAXIMUM TIMER TO CONTROL EXHAUST FAN IN ACCORDANCE WITH TITLE 24 REQUIREMENTS.



STADIUM OVERLOOK ROOF LEVEL - POWER
MOUNTED ON TOP OF PRESS BOX

SCALE: 1/8 = 1'-0"

NUMBERED NOTES - (ROOF PLAN ONLY)

1. CONDENSING UNIT (MOUNTED ON ROOF OF PRESSBOX)
2. EXHAUST FAN, AMP, 120V, 1 PHASE PROVIDE MANUAL MOTOR STARTER WITH OVERLOAD PROTECTION.
3. PROVIDE 30 MINUTE MAXIMUM TIMER TO CONTROL EXHAUST FAN IN ACCORDANCE WITH TITLE 24 REQUIREMENTS.

BUREAU OF ENGINEERING
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V & M ELECTRICAL ENGINEERING, INC.
3330 Barham Boulevard, Suite 204
Los Angeles, CA 90068
(323)851-9964 Fax (323)851-0153
E-mail: vme@vmelectrical.com

BUREAU OF ENGINEERING
ENGINEERING
CITY OF LOS ANGELES

DATE: BY:
NO.

BUILDING NO. XX/XX

INDEX NO. -

REGISTERED PROFESSIONAL ENGINEER
VLADIMIR TSTOKVA
E11834
EXP. 09/30/16
ELECTRICAL
STATE OF CALIFORNIA

50% DESIGN DEVELOPMENT

CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS

GARY LEE MOORE, PE, ENV SP CITY ENGINEER
ARCHITECTURAL DIVISION LIC. NO. C-19741
ARCHITECT: ZOLTAN E. PALI, FAIA
DESIGNED BY:
DRAWN BY:
CHECKED BY:
APPROVED BY: MAHMOOD KARIMZADEH, A.I.A., PRINCIPAL ARCHITECT

VERTICAL CONTROL:
HORIZONTAL CONTROL:

SHEET TITLE: STADIUM OVERLOOK LEVEL - LIGHTING - POWER & ROOF PLANS

PROJECT: RANCHO CIENEGA SPORTS COMPLEX

ADDRESS: 5001 RODEO ROAD
LOS ANGELES, CA 90016

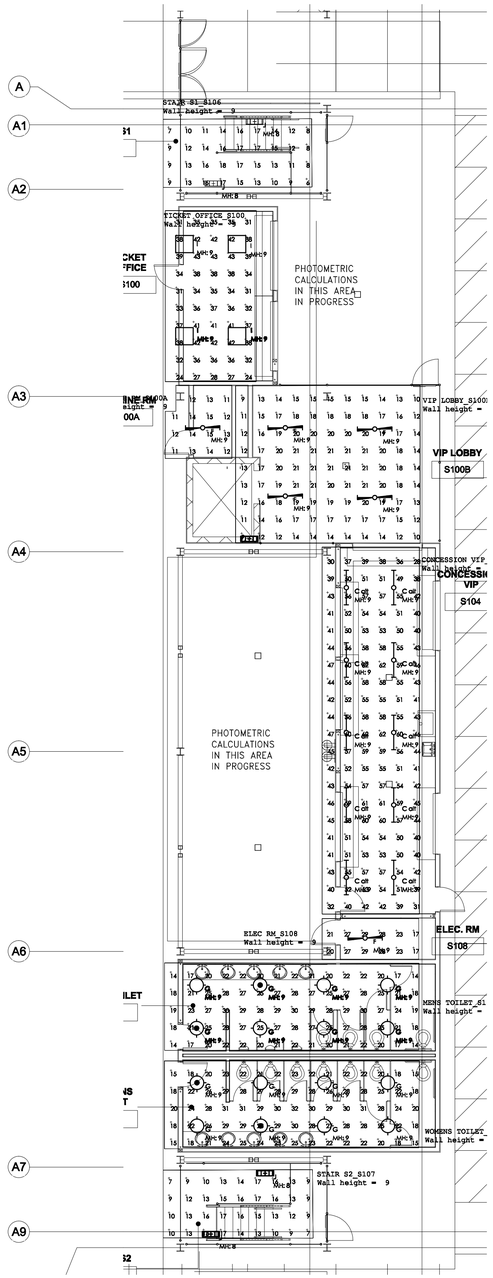
WORK ORDER NO. E1907694
PLAN FILE NO.
DRAWING NO. E-53
SHEET 1 OF SHEETS -

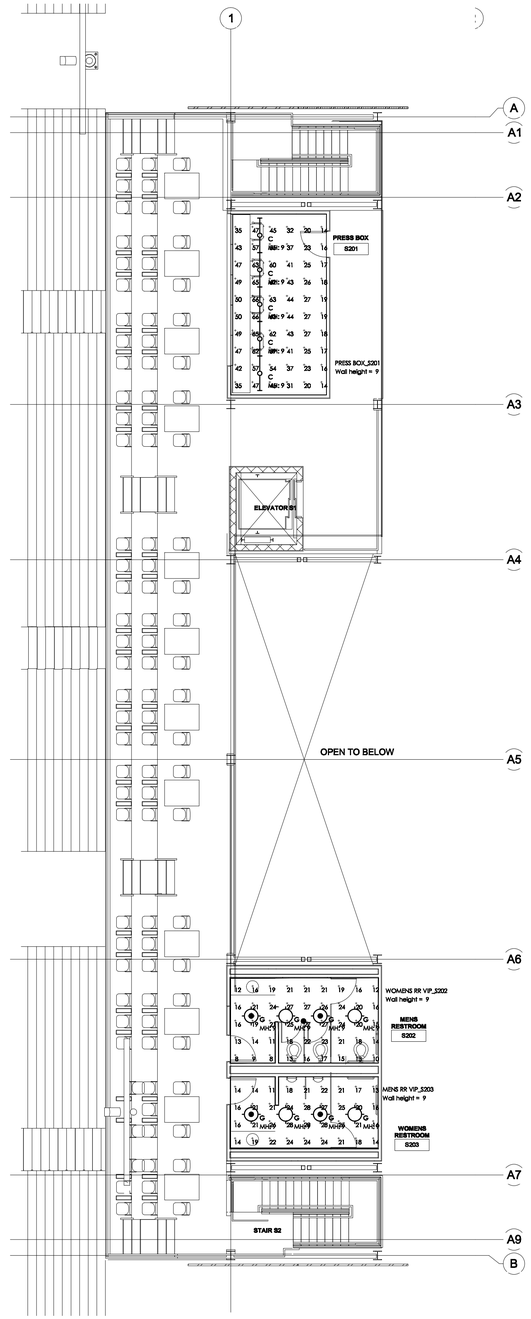
PLOTTED: 12/19/2016 10:59 AM

RP 300094

REVISION DATES (DESIGN STAGE ONLY)

TEMPLATE SHEET REVISION DATE: 08/2014
REVISION DATE: 12/8/2016 12:39 PM FILE: Y:\RANCHO CIENEGA SCE\ELECTRICAL FOLDER\$\ACTIVE NOW CONSTRUCTION DOCUMENTS\E-53.DWG





-----Disclaimer-----
Luminaire data is obtained according to IES procedures
under controlled laboratory conditions. Field results
may differ from computer predictions due to many
uncontrollable factors including, but not limited to
Line Voltage Variations, Lamp Performance, Ballast input watts,
LED Drivers input watts, Temperature Variations and Jobsite Conditions.

Calculation Summary							
Label	CalcType	Units	Avg	Max	Min	Avg/Min	Max/Min
MENS RR VIP_S202_Floor	Illuminance	Fc	18.11	27	8	2.26	3.38
PRESS BOX_S201_Workplane	Illuminance	Fc	40.23	66	14	2.87	4.71
WOMENS RR VIP_S203_Floor	Illuminance	Fc	20.53	29	11	1.87	2.64

Luminaire Schedule						
Symbol	Qty	Label	Arrangement	Total Lamp Lumens	LLF	Description
	5	C	SINGLE	N.A.	0.850	PRUDENTIAL // P43-LED35SO-SAL-TMW-D1-SC-UNV-X1
	8	G	SINGLE	N.A.	0.850	PRESCOLITE // LF4LEDG4 4LFLED6G430K

INFORMATION FOR PLAN TO THE RIGHT

-----Disclaimer-----
Luminaire data is obtained according to IES procedures
under controlled laboratory conditions. Field results
may differ from computer predictions due to many
uncontrollable factors including, but not limited to
Line Voltage Variations, Lamp Performance, Ballast input watts,
LED Drivers input watts, Temperature Variations and Jobsite Conditions.

Luminaire Schedule						
Symbol	Qty	Label	Arrangement	Total Lamp Lumens	LLF	Description
	6	F	SINGLE	N.A.	0.900	COLUMBIA // LCL4-40LW-EDU
	16	G	SINGLE	N.A.	0.900	PRESCOLITE // LF4LEDG4 4LFLED6G430K
	4	I	SINGLE	N.A.	0.900	COLUMBIA // LCAT22-35MLG-EDU
	4	J	SINGLE	N.A.	0.900	LUMINAIRE LED // TSLP-2-35W-40K-10-277-OP-X-EM8722R
	10	C	SINGLE	N.A.	0.850	PRUDENTIAL LIGHTING // P43-LED35SHO-SAL-TMW-D1-SC-UNV-X1

Calculation Summary							
Label	CalcType	Units	Avg	Max	Min	Avg/Min	Max/Min
CONCESSION VIP_S104_Workplane	Illuminance	Fc	49.72	62	28	1.78	2.21
ELEC RM_S108_Floor	Illuminance	Fc	24.08	29	17	1.42	1.71
MENS TOILET_S102_floor	Illuminance	Fc	23.04	30	14	1.65	2.14
STAIR S1_S106_Floor	Illuminance	Fc	12.69	18	6	2.12	3.00
STAIR S2_S107_Floor	Illuminance	Fc	12.69	17	7	1.81	2.43
TICKET OFFICE_S100_Workplane	Illuminance	Fc	35.96	43	24	1.50	1.79
VIP LOBBY_S100B_Floor	Illuminance	Fc	16.58	21	9	1.84	2.33
WOMENS TOILET_S103_Floor	Illuminance	Fc	24.12	32	15	1.61	2.13
VIP LOBBY_Floor	Illuminance	Fc	16.54	21	9	1.84	2.33
MACHINE RM_S100A_Floor	Illuminance	Fc	12.80	15	11	1.16	1.36

INFORMATION FOR PLAN TO THE LEFT

STADIUM GROUND LEVEL - PHOTOMETRIC
SCALE: 1/8" = 1'-0"

STADIUM OVERLOOK LEVEL - PHOTOMETRIC
SCALE: 1/8" = 1'-0"

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REVISION DATES (DESIGN STAGE ONLY)

BUREAU OF ENGINEERING
DATE: BY:
NO. REVISIONS:
BUILDING NO.
INDEX NO. -

REGISTERED PROFESSIONAL ENGINEER VLADIMIR TSIDULKO E11834 09/30/18 STATE OF CALIFORNIA

BID SET SUBMITTAL

CITY OF LOS ANGELES
DEPARTMENT OF PUBLIC WORKS
BUREAU OF ENGINEERING
GARY LEE MOORE, PE, ENV SP CITY ENGINEER
VERTICAL CONTROL: DATE:
HORIZONTAL CONTROL:
SHEET TITLE: STADIUM GROUND & OVERLOOK LEVELS PHOTOMETRICS PLAN
PROJECT: RANCHO CIENEGA SPORTS COMPLEX
ADDRESS: 5001 RODEO ROAD LOS ANGELES, CA 90016
ARCHITECTURAL DIVISION
ENGINEER: VLADIMIR TSIDULKO, PE LIC. NO. E11834
DESIGNED BY: V.T.
DRAWN BY: K.G.
CHECKED BY: V.T.
APPROVED BY: MAHMOOD KARIMZADEH, A.I.A., PRINCIPAL ARCHITECT

WORK ORDER NO. E1907694
PLAN FILE NO.
DRAWING NO. E-54
SHEET OF SHEETS
PLOTTED: —

BUREAU OF ENGINEERING OFFICIAL RECORD

V & M ELECTRICAL ENGINEERING, INC.
3330 Barham Boulevard, Suite 204
Los Angeles, CA 90068
(323)851-9964 Fax (323)851-0153
E-mail: vme@vmelectrical.com

RP 300094

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REVISION DATE: 10/24/2016 5:30 PM FILE: Z:\14-018 RANCHO CIENEGA SPORTS COMPLEX\DRAWINGS\REVIT\LINKS-AUTOCAD\BOE_TITLEBLOCK_CD_80PERCENT.DWG

REVISION DATES (DESIGN STAGE ONLY)

GYM BUILDING R00F PLAN SOLAR POWER EQUIPMENT

SCALE: 1/8" = 1'-0"

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OFFICIAL RECORD

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3330 Barham Boulevard, Suite 204
Los Angeles, CA 90068
(323)851-9964 Fax (323)851-0153
E-mail: vme@vmelectrical.com

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CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS

BUREAU OF ENGINEERING

ENGINEERING CITY OF LOS ANGELES

GARY LEE MOORE, PE, ENV SP CITY ENGINEER

ARCHITECTURAL DIVISION LIC. NO. E11834

ENGINEER: VLADIMIR TSIDULKO, PE DATE:

DESIGNED BY: V.T.

DRAWN BY: K.G.

CHECKED BY: V.T.

APPROVED BY: MAHMOOD KARIMZADEH, A.I.A., PRINCIPAL ARCHITECT

NO. REVISIONS: DATE: BY:

BUILDING NO.

INDEX NO. -

VERTICAL CONTROL:

HORIZONTAL CONTROL:

SHEET TITLE: GYM BUILDING PHOTOMETRIC ROOF PLAN

PROJECT: RANCHO CIENEGA SPORTS COMPLEX

ADDRESS: 5001 RODEO ROAD
LOS ANGELES, CA 90016

WORK ORDER NO. E1907694

PLAN FILE NO.

DRAWING NO. PV-1

SHEET SHEETS OF

PLOTTED: —

RP 300094

NUMBERED NOTES - (THIS SHEET ONLY)

1. 13 PANELS IN SERIES CONNECTION: 37.1V x 13 = 482V, 8.63 AMP
2. 14 PANELS IN SERIES CONNECTION: 37.1 x 14 = 519.4V, 8.63 AMP.
3. 2 CLUSTERS IN PARALLEL CONNECTION, 13 PANELS EACH CLUSTER, 482V, 8.63 x 2 = 17.4 AMP
4. COMBINER BOX, NEMA-4 ENCLOSURE, 600V DC INTEGRATED DISCONNECT, UP TO 24 CIRCUITS. 25A KW 55 AMP INTEGRATED DISCONNECT, FOR DIMENSIONS SPECIFICATIONS. SEE CUT SHEETS PV-?.
5. COMBINER BOX, 12 CIRCUITS, 600V DC, 200 AMP INTEGRATED OUTPUT DISCONNECT SWITCH, NEMA 4 ENCLOSURE. FOR DIMENSIONS AND SPECIFICATIONS, SEE CATALOG CUTS, SHEET E-
6. 6 GROUPS OF CLUSTERS IN PARALLEL, 482V, 103.8 AMP.
7. INVERTER-RECTIFIER, 600 VOLT, 60 KWATT. INPUT: 600V DC, OUTPUT: 480V, 3 PHASE, AC. BUILT-IN INPUT (DC) AND OUTPUT (AC) FULLY INTEGRATED FUSED DISCONNECT SWITCHES. FOR DIMENSIONS AND COMPLETE SPECIFICATION SEE CATALOG CUTS, SHEET PV-.
8. 2#8, 3/4"C (DC).
9. INVERTER-RECTIFIER, 75 KWATT, INPUT: 600V DC OUTPUT: 480V, 3 PHASE, AC BUILT IN FULLY INTERGRATED FUSED DISCONNECT SWITCHES. FOR DIMENSIONS AND SPECIFICATIONS, SEE CATALOG CUTS, SHEET PV-
10. 7 GROUPS OF CLUSTERS IN PARALLEL, 482V, 121.8 AMP.
11. 2#1/0, 1 1/4"C
12. 2#1, 1"C
13. GROUNDING: 1#8 IN 1/2"C TO THE NEAREST GROUNDING CONNECTION.

PHOTOVOLTAIC SYSTEM BLOCK SINGLE LINE DIAGRAM

NOT TO SCALE

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REVISION DATES (DESIGN STAGE ONLY)

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ENGINEERING
CITY OF LOS ANGELES

BUREAU OF ENGINEERING
NO. REVISIONS: DATE: BY:

BUILDING NO.

INDEX NO. -

BUREAU OF PUBLIC WORKS
CITY OF LOS ANGELES
VERTICAL CONTROL:
HORIZONTAL CONTROL:
SHEET TITLE: PHOTOVOLTAIC SINGLE LINE DIAGRAM
PROJECT: RANCHO CIENEGA SPORTS COMPLEX
ADDRESS: 5001 RODEO ROAD LOS ANGELES, CA 90016

BID SET SUBMITTAL
DEPARTMENT OF PUBLIC WORKS
CITY ENGINEER
GARY LEE MOORE, PE, ENV SP
DATE:
ARCHITECTURAL DIVISION
ENGINEER: VLADIMIR TSIDULKO, PE LIC. NO. E11834
DESIGNED BY: V.T.
DRAWN BY: K.G.
CHECKED BY: V.T.
APPROVED BY: MAHMOOD KARIMZADEH, A.I.A., PRINCIPAL ARCHITECT

BUREAU OF ENGINEERING
OFFICIAL RECORD

WORK ORDER NO.
E1907694
PLAN FILE NO.
DRAWING NO.
PV-2
SHEET OF SHEETS
PLOTTED: —

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(323)851-9964 Fax (323)851-0153
E-mail: vme@vmelectrical.com

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REVISION DATES
(ERASE ONLY)

STP320 - 24/Vem
STP315 - 24/Vem
STP310 - 24/Vem

SUNTECH BE UNLIMITED

320 Watt
POLYCRYSTALLINE SOLAR MODULE

Features

- **High module conversion efficiency** — Module efficiency up to 16.5% achieved through advanced cell technology and manufacturing capabilities.
- **High PID resistant** — Advanced cell technology and qualified materials lead to high resistance to PID.
- **Positive tolerance** — Positive tolerance of up to 5W delivers higher output reliability.
- **Suntech current sorting process** — System output maximized by reducing mismatch losses up to 2% with modules sorted & packaged by amperage.
- **Extended wind and snow load tests** — Module certified to withstand extreme wind (3800 Pascal) and snow loads (5400 Pascal) *.
- **Withstanding harsh environment** — Reliable quality leads to a better sustainability even in harsh environment like desert, farm and coastline.

Trust Suntech to Deliver Reliable Performance Over Time

- World-class manufacturer of crystalline silicon photovoltaic modules
- Unrivaled manufacturing capacity and world-class technology
- Rigorous quality control meeting the highest international standards: ISO 9001: 2008, ISO 14001: 2004 and ISO 17025: 2005
- Regular independently checked production process from international accredited institute/company
- Tested for harsh environments (salt mist, ammonia corrosion and sand blowing testing: IEC 61701, IEC 62716, DIN EN 60068-2-68)***
- Long-term reliability tests
- 2 x 100% EL inspection ensuring defect-free modules

Special 4 busbar design

The unique cell design leads tremendous reduction in electrodes resistance and raise in conversion efficiency. Less residual stress, less cell micro-cracks and hotspot risks.

Industry-leading Warranty based on nominal power

- 97.5% in the first year, thereafter, for years two (2) through twenty-five (25), 0.7% maximum decrease from MODULE'S nominal power output per year, ending with the 80.7% in the 25th year after the defined WARRANTY STARTING DATE.****
- 12-year product warranty
- 25-year linear performance warranty

IP68 Rated Junction Box

The Suntech IP68 rated junction box ensures an outstanding waterproof level, supports installations in all orientations and reduces stress on the cables. High reliable performance, low resistance connectors ensure maximum output for the highest energy production.

* Please refer to Suntech Standard Module Installation Manual for details. **PV Cycle only for EU market.
*** Please refer to Suntech Product Near-coast Installation Manual for details. **** Please refer to Suntech Product Warranty for details.

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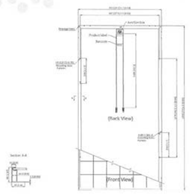
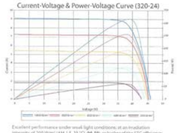
www.suntech-power.com IEC-STP-Vem-NO1.01-Rev 2016

STP320 - 24/Vem
STP315 - 24/Vem
STP310 - 24/Vem

SUNTECH BE UNLIMITED





Excellent performance under weak light conditions: at an irradiation intensity of 200 W/m² (AM 1.5, 25 °C), **96.0%** or higher of the STC efficiency (1000 W/m²) is achieved.

Dealer information

E-mail: sales@suntech-power.com

Electrical Characteristics

STC	STP320-24/Vem	STP315-24/Vem	STP310-24/Vem
Maximum Power at STC (Pmax)	320 W	315 W	310 W
Optimum Operating Voltage (Vmp)	37.1 V	36.8 V	36.5 V
Optimum Operating Current (Imp)	8.63A	8.56 A	8.50 A
Open Circuit Voltage (Voc)	45.6 V	45.1 V	44.9 V
Short Circuit Current (Isc)	9.14A	9.02 A	8.96 A
Module Efficiency	16.5%	16.2%	16.0%
Operating Module Temperature		-40 °C to +85 °C	
Maximum System Voltage		1000 V DC (IEC)	
Maximum Series Fuse Rating		20 A	
Power Tolerance		0/+5 W	

NOCT	STP320-24/Vem	STP315-24/Vem	STP310-24/Vem
Maximum Power at NOCT (Pmax)	235W	229 W	226 W
Optimum Operating Voltage (Vmp)	34.0V	33.2 V	32.8V
Optimum Operating Current (Imp)	6.90 A	6.91 A	6.86 A
Open Circuit Voltage (Voc)	41.8V	41.5 V	40.9 V
Short Circuit Current (Isc)	7.40 A	7.30 A	7.26 A

Temperature Characteristics

Nominal Operating Cell Temperature (**NOCT**)	45±2°C
Temperature Coefficient of Pmax	-0.41 %/°C
Temperature Coefficient of Voc	-0.33 %/°C
Temperature Coefficient of Isc	0.067 %/°C

Mechanical Characteristics

Solar Cell	Polycrystalline silicon 156 × 156 mm (6 inches)
No. of Cells	72 (6 × 12)
Dimensions	1956 × 992 × 40mm (77.0 × 39.1 × 1.6 inches)
Weight	25.8 kgs (56.9 lbs.)
Front Glass	4.0 mm (0.16 inches) tempered glass
Frame	Anodized aluminium alloy
Junction Box	IP68 rated (3 bypass diodes)
Output Cables	TUV (2Pfg1169/2007) 4.0 mm² (0.006 inches²), symmetrical lengths (-) 1100mm (43.3 inches) and (+) 1100 mm (43.3 inches)
Connectors	MC4 compatible

Packing Configuration

Container	20' GP	40' GP	40' HC
Pieces per pallet	25	25	25
Pallets per container	5	12	24
Pieces per container	125	300	600

Information on how to install and operate the product is available in the installation instructions. All values listed in the data sheet are subject to change without prior announcement. The specifications may vary slightly. All specifications are in accordance with standard IEC61215 (Ed.2). Data differences of the module's relative to the figures as well as deviations from the module's electrical characteristics that impact their performance are possible under non-standard conditions. Consult us for more specifications.

E-mail: sales@suntech-power.com www.suntech-power.com IEC-STP-Vem-NO1.01-Rev 2016

PAGE 1

Bentek SOLAR

CUT SHEET — Commercial (ComI)

MADE IN USA

Integrated Disconnect Combiners

The Bentek Solar Combiners with integrated UL 600VDC load-break disconnects reduce costs by eliminating installation time and wiring. The flexible design provides for customization and ease of installation. Solar combiners provide an enhanced level of user safety.

Ideal for less than 5MW Commercial Projects

Standard Product Features

- NEMA-4 steel or 4X fiberglass enclosures.
- 600VDC integrated disconnect.
- Labeling to meet NEC code requirements.
- Unique serial number on each unit.
- Lockable door.
- Poured-in-place seamless gasket on door.
- Installable vertically or horizontally.
- 55A, 100A, 200/250A, and 400A load-break disconnects.
- Lock out/tag out functionality for disconnect handle.
- Rated for continuous duty.
- 6, 12, 24, or 36 input circuits.
- Touch-safe fuse folders.
- Maximum fuse size of 25A ; standard is 15A.
- Safety covers on live components.
- Terminals support both aluminum and copper wire.
- ETL Listed to UL1741.
- ETL Listed to CSA Std. 22.2 No. 107.
- ISO 9001:2008 Quality Certified.

Configurations

Bentek Solar Disconnect Combiners offer a comprehensive selection of input, output, and ampacity configurations to suit your needs. Let us assist you in determining the appropriate solar products for your application.

Fully assembled in our ETL- certified facility in San Jose, CA.

Optional Product Features

- Surge suppression.
- Fuses supplied to specifications.
- Configured for either positive or negative ground.
- 90°C and custom lug configurations available.

ISO 9001:2008 Quality Certified

Contact Us Today • **1-866-505-0303**

Soligent — YOUR BENTEK SOLAR DISTRIBUTOR — SOLIGENT 800-967-6917 www.soligent.net

SOLAR COMBINERS

www.benteksolar.com. • 2350 Harris Way, San Jose CA 95131 • Info@Bentek.com BTHOC

PAGE 2

Bentek SOLAR

Flexibility, Ease of Installation, and Safety

Bentek Solar products are designed to meet the needs of every job.

With over 25 years of experience building products, Bentek designs quality and safety into every solar product.

With the flexibility of adding options into our solar products, Bentek Solar has the right product for you. Ample internal space provides ease of installation, and wire-bending space satisfies NEC requirements.

Contact us now for your upcoming projects.

Bentek Solar Disconnect Combiner Models	Max Voltage	Standard Input Circuits	Max. Fuse size (A)	Input Conductor (AWG)	Integrated Disconnect Ampacity (A)	Output Conductor (AWG)	Enclosure Size in Inches (HxWxD)
BTK6-0615-D55-zz	600	Up to 6	25	#8	55	1/0	14x12x6
BTK6-1215-D100-zz	600	Up to 12	25	#8	100	300MCM	20x16x8
BTK6-2415-D200-zz	600	Up to 24	25	#8	200	300MCM	20x16x8
BTK-2415-D250-zz	600	Up to 24	25	#8	250	300MCM	20x16x8
BTK6-3615-D400-zz	600	Up to 36	25	#8	400	600 MCM or 2x250MCM *	30x24x10

D = disconnect; zz = enclosure (FB for NEMA-4X fiberglass or CS for NEMA-4 steel). *Dual lugs also available.
Specifications subject to change.

About Bentek Solar

Founded in 1985, Bentek is a leader in manufacturing and engineering solutions for complex electro-mechanical and power distribution systems for the semiconductor and solar industries. Bentek has applied these extensive capabilities and knowledge into a comprehensive family of both standard and configurable solar combiner products. Bentek solar combiners provide quality, ease of installation, and safety to the solar industry. For more information, contact Bentek Solar on the web at www.BentekSolar.com, by email to solarsales@bentek.com, or by telephone at 1-866-505-0303.

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PAGE 3

COMMERCIAL INVERTERS

PVI 50KW
PVI 60KW
PVI 75KW
PVI 85KW
PVI 100KW

SOLECTRIA A YASKAWA COMPANY

FEATURES

- Compliant with NEC 2014 690.11 arc fault when coupled with ARCCOM combiner
- Highest peak and CEC efficiencies
- Modbus communications
- User interactive LCD

OPTIONS

- Rapid shutdown (NEC 2014 690.12 compliant)
- Fuse or breaker subcombiner options
- Dust filter
- Forward facing disconnects
- Stainless steel enclosure
- Web-based monitoring
- Built in cellular connectivity
- Sub-array monitoring

OPTIONS FOR UTILITIES

- Real power curtailment
- Reactive power control
- Voltage ride through
- Frequency ride through
- Controlled ramp rates

COMMERCIAL INVERTERS

The PVI 50-100KW inverters are compliant with NEC 2014 690.11 & 690.12 requirement when ordered with rapid shutdown option and the ARCCOM combiner. The most customizable full line of commercial grid-tied PV Inverters available today, the PVI 50-100KW series has been utilized in projects ranging from 50kW to multi-megawatt solar farms, including a 30MW solar farm. This series of inverters is capable of operating at 208 VAC, 240 VAC, 480 VAC, and 600 VAC and comes standard with AC and DC disconnects, transformer isolation, LCD, and monitoring gateway. They also contain a lightweight power stage making it easily serviceable. Options include premium efficient models, integrated fuse or breaker subcombiners, forward facing disconnects, stainless steel enclosure, web-based and sub-array monitoring, built-in cellular connectivity, and a dust filter. AC voltage and frequency settings may be customized according to utility specifications.

Built for the real world

SPECIFICATIONS		PVI 50KW	PVI 60KW	PVI 75KW	PVI 85KW	PVI 100KW
DC Input						
Absolute Maximum Input Voltage				600 VDC		
Max Power Input Voltage Range (MPPT)*				300-500 VDC		
MPPT Input Voltage Range - Low Voltage Option				285-500 VDC		
Maximum Operating Input Current		176 A	211 A	264 A	299 A	351 A
Maximum Operating Input Current - Low Voltage Option		185 A	222 A	278 A	314 A	370 A
Strike Voltage				400 V		
Strike Voltage - Low Voltage Option				380 V		
AC Output						
Nominal Output Voltage				208, 240, 480 or 600 VAC, 3-Ph (3 wire standard, 4 wire optional)		
AC Voltage Range (Standard)				-12%/+10%		
Continuous Output Power		50 kW	60 kW	75 kW	85 kW	100 kW
Continuous Output Current	208 VAC	139 A	167 A	208 A	236 A	278 A
	240 VAC	120 A	144 A	180 A	205 A	240 A
	480 VAC	60 A	72 A	90 A	102 A	120 A
	600 VAC	48 A	58 A	72 A	82 A	96 A
Maximum Backfeed Current				0 A		
Nominal Output Frequency				60 Hz		
Output Frequency Range				57.0 -60.5 Hz		
Power Factor				Adjustable - 0.9 to +0.9, factory set at 1		
Total Harmonic Distortion (THD) @ Rated Load				<3%		
Efficiency						
Peak Efficiency	208 VAC	96.7%	96.7%	97.3%	96.6%	96.3%
	240 VAC	97.7%	97.8%	97.1%	96.7%	96.9%
	480 or 600 VAC	96.3%	96.5%	97.2%	96.9%	96.9%
CEC Efficiency	208 VAC	96.0%	96.0%	97.0%	96.0%	96.0%
	240 VAC	97.0%	97.0%	96.0%	96.0%	96.0%
	480 VAC	96.0%	96.0%	97.0%	96.5%	96.5%
Tare Loss				< 3 W		
Protection Features						
Fuses or Breakers				2-8 positions, 40-300 A		
Temperature						
Ambient Temperature Range (full power)				-40°F to +131°F (-40°C to +55°C)		
Storage Temperature Range				-40°F to +131°F (-40°C to +55°C)		
Relative Humidity (non-condensing)				0-95%		
Data Monitoring						
Optional SolrenView Web-based Monitoring				Integrated		
Optional Revenue Grade Monitoring				External		
Optional SolZone™ Sub-Array Monitoring (DC Current)				2-8 zones		
Optional Cellular Communication				SolrenView AIR		
External Communication Interface				RS-485 SunSpec Modbus RTU		
Certifications						
Safety Listings & Certifications				UL 1741/IEEE 1547, CSA C22.2#107.1, FCC part 15 B		
Certification Agency				ETL		
Warranty						
Standard				5 year		
Optional				10, 15, 20 year; extended service agreement; uptime guarantee		
Miscellaneous						
dBA (Decibel) Rating				<62 dBA @ 3 m		
Transformer				Standard, fully-integrated (internal)		
AC/DC Disconnects				Standard, fully-integrated		
Dimensions - Side Facing Disconnects (H x W x D)				78.2 in. x 50-53 in. x 33 in. (1987 mm x 1270-1347 mm x 839 mm)**		
Dimensions - Forward Facing Disconnects (H x W x D)				78.2 in. x 79-88 in. x 33 in. (1987 mm x 2007-2236 mm x 839 mm)**		
Weight				3450 lbs (1565 kg)		3575 lbs (1621 kg)
Enclosure Rating				Type 3R		
Enclosure Finish				Polyester powder coated steel; Optional 316 stainless steel		

*At nominal AC voltage
**Width dependent upon rating of disconnect chosen

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SOLECTRIA A YASKAWA COMPANY www.solectria.com | inverters@solectria.com | 978.683.9700

BUREAU OF ENGINEERING — OFFICIAL RECORD

V & M ELECTRICAL ENGINEERING, INC.
3330 Barham Boulevard, Suite 204
Los Angeles, CA 90068
(323)851-9964 Fax (323)851-0153
E-mail: vme@vmelectrical.com

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CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS
BUREAU OF ENGINEERING — CITY OF LOS ANGELES

VERTICAL CONTROL:
HORIZONTAL CONTROL:

SHEET TITLE: PHOTOVOLTAIC CUT SHEETS
-

PROJECT: RANCHO CIENEGA SPORTS COMPLEX

ADDRESS: 5001 RODEO ROAD
LOS ANGELES, CA 90016

GARY LEE MOORE, PE, ENV SP CITY ENGINEER
ARCHITECTURAL DIVISION
ENGINEER: VLADIMIR TSIGULKO, PE LIC. NO. E11834

DESIGNED BY: V.T.
DRAWN BY: K.G.
CHECKED BY: V.T.
APPROVED BY: MAHMOOD KARIMZADEH, A.I.A., PRINCIPAL ARCHITECT

DATE: BY:

NO. REVISIONS:

BUILDING NO.

INDEX NO. -

RP 300094

WORK ORDER NO.
E1907694

PLAN FILE NO.

DRAWING NO.
PV-3

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REVISION DATES
(DESIGN STAGE ONLY)

INVERTER A

NOTE:
1. INVERTER IDENTIFICATION LABEL
2. BLACK BACKGROUND
3. WHITE LETTERING
4. TEXT HEIGHT: 1/2" MIN.
5. MATERIAL NOTE: ENGRAVED ON OUTDOOR-RATED PLASTIC LAMINATE ADHENSIVE PACKING SUITABLE ENVIROMENT.

9 INVERTER ID

3"
PHOTOVOLTAIC POWERSOURCE #LB-020003-10X

NOTE:
1. MARKING PER ART 690.31(E)(3)
2. RED BACKGROUND
3. WHITE LETTERING
4. TEXT HEIGHT: 1/8" MIN.

6 DC PV CIRCUIT INSIDE BLDG.

3"
DC PHOTOVOLTAIC DISCONNECT #LB-050002-10X

MAXIMUM POWER POINT CURRENT (Imp) ____ A
MAXIMUM POWER POINT VOLTAGE (Vmp) ____ V #LB-030042-10X
MAXIMUM SYSTEM VOLTAGE (Voc) ____ V
SHORT-CIRCUIT CURRENT (Isc) ____ A

WARNING
ELECTRICAL SHOCK HAZARD
DO NOT TOUCH TERMINALS
TERMINALS ON BOTH LINE AND LOAD SIDES MAY BE ENERGIZED IN THE OPEN POSITION #LB-030005-10X

NOTE:
1. MARKING PER ART 690.17, 690.53
2. RED BACKGROUND
3. WHITE LETTERING
4. TEXT HEIGHT: 1/8" MIN.

3 DC DISCONNECT

3"
WARNING
ELECTRICAL SHOCK HAZARD
IF A GROUND FAULT IS INDICATED
NORMALLY GROUNDED
CONDUCTORS MAY BE
UNDERGROUDED AND ENERGIZED

NOTE:
1. MARKING PER ART 690.5(C)
2. RED BACKGROUND
3. WHITE LETTERING
4. TEXT HEIGHT: 1/8" MIN.

8 INVERTER GROUND FAULT WARNING

3"
CAUTION
INVERTED BACKFEED CIRCUIT BREAKER IS INSTALLED AT OPPOSITE END OF BUS BAR FROM MAIN FEED.

NOTE:
1. RED BACKGROUND
2. WHITE LETTERING
3. TEXT HEIGHT: 1/8" MIN.

5 MAIN SERVICE WITH PV SYSTEM DISCONNECT

3"
AC PHOTOVOLTAIC DISCONNECT #LB-050006-10X

MAXIMUM POWER POINT CURRENT (Imp) ____ A #LB-040007-10X
MAXIMUM AC OPERATING VOLTAGE ____ V

WARNING
ELECTRICAL SHOCK HAZARD
DO NOT TOUCH TERMINALS
TERMINALS ON BOTH LINE AND LOAD SIDES MAY BE ENERGIZED IN THE OPEN POSITION #LB-030005-10X

PV SYSTEM DISCONNECT FOR UTILITY OPERATION #LB-050013-10X

NOTE:
1. MARKING PER ART 690.14(C)(2)
2. 690.17, 690.54
3. RED BACKGROUND
4. WHITE LETTERING
TEXT HEIGHT: 1/8" MIN.

2 PV SYSTEM UTILITY AC DISCONNECT

3"
OCPD HAS BEEN DERATED PER ART 705.12(D) TO ALLOW PV BACK FEED.

NOTE:
1. MARKING PER ART 690.64(B)/705.12
2. RED BACKGROUND
3. WHITE LETTERING
4. TEXT HEIGHT: 1/8" MIN.

10 MAIN BREAKER DERATE

3"
WARNING
INVERTER OUTPUT CONNECTION
DO NOT RELOCATE THIS OVERCURRENT DEVICE #LB-030039-10X

NOTE:
1. MARKING PER ART 690.64(B)/705.12
2. RED BACKGROUND
3. WHITE LETTERING
4. TEXT HEIGHT: 1/8" MIN.

7 INVERTER AC CIRCUIT BREAKER

3"
CAUTION
SOLAR ELECTRIC SYSTEM CONNECTED #LB-040041-10X

NOTE:
1. MARKING PER ART 690.54
2. RED BACKGROUND
3. WHITE LETTERING
4. TEXT HEIGHT: 1/8" MIN.

4 PV SYSTEM MAINTENANCE DISCONNECT

3"
PHOTOVOLTAIC POWER SOURCE #LB-020003-10X

MAXIMUM AC OPERATING CURRENT ____ A #LB-040007-10X
MAXIMUM AC OPERATING VOLTAGE ____ V

WARNING
ELECTRICAL SHOCK HAZARD DO NOT TOUCH TERMINALS
TERMINALS ON BOTH LINE AND LOAD SIDES MAY BE ENERGIZED IN THE OPEN POSITION #LB-030005-10X

NOTE:
1. MARKING PER ART 230.2(E) 690.17,
2. 690.54
3. RED BACKGROUND
4. WHITE LETTERING
TEXT HEIGHT: 1/8" MIN.

1 POINT OF INTERCONNECTION

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E-mail: vme@vmelectrical.com

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ENGINEERING
CITY OF LOS ANGELES

NO. REVISIONS: DATE: BY:

BUILDING NO.

INDEX NO. -

RP 300094

CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS

GARY LEE MOORE, PE, ENV SP CITY ENGINEER DATE:
ARCHITECTURAL DIVISION
ENGINEER: VLADIMIR TSIDULKO, PE LIC. NO. E11834
DESIGNED BY: V.T.
DRAWN BY: K.G.
CHECKED BY: V.T.
APPROVED BY: MAHMOOD KARIMZADEH, A.I.A., PRINCIPAL ARCHITECT

VERTICAL CONTROL:
HORIZONTAL CONTROL:
SHEET TITLE: PHOTOVOLTAIC DETAILS
-
PROJECT: RANCHO CIENEGA SPORTS COMPLEX
ADDRESS: 5001 RODEO ROAD
LOS ANGELES, CA 90016

WORK ORDER NO. E1907694
PLAN FILE NO.
DRAWING NO. PV-4
SHEET OF SHEETS
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SECURITY CAMERA LEGEND			
CAMERA DESIGNATION	CAMERA DESCRIPTION	MOUNTING/HEIGHT	ROUGH-IN
1	FIXED CAMERA	CEILING/ WALL	4" X 4" X 2 1/8" DEEP BOX MOUNTED TO STRUCTURE. 6'-0" OF 1/2" FLEX CONDUIT.
2	PAN/TILT/ZOOM CAMERA	POLE PENDANT/12'-0" A.F.F.	4" X 4" X 2 1/8" DEEP BOX WITH SINGLE GANG DEVICE RING FLUSH MOUNTED.
3	FIXED CAMERA	CAMERA/POLE PENDANT/12'-0" A.F.F.	REFERENCE REOUGH-IN DETAIL.
4	PAN/TILT/ZOOM CAMERA	WALL	4" X 4" X 2 1/8" DEEP BOX MOUNTED TO STRUCTURE. 6'-0" OF 1/2" FLEX CONDUIT.

SECURITY DEVICE LEGEND			
DEVICE DESIGNATION	DEVICE DESCRIPTION	MOUNTING/HEIGHT	ROUGH-IN
CR	CARD READER	WALL/3'-6" A.F.F.	4" X 4" X 2 1/8" DEEP BOX WITH SINGLE GANG DEVICE RING FLUSH MOUNTED
DB	DURESS BUTTON	DESK	REFERENCE SECURITY PLANS/DETAILS FOR CONDUIT REQUIRED
DC	DOOR POSITION SWITCH	DOOR FRAME	STUB CONDUIT INTO HEAD OF DOOR FRAME 6" FROM STRIKE SIDE OF FRAME
HT	HIGH HEAT SENSOR	CEILING	AS REQUIRED
KPL	KEY PAD LOCK	DOOR	NO CONDUIT REQUIRED.
MD	DUAL-TECHNOLOGY MOTION DETECTOR	CEILING	4" X 4" X 2 1/8" DEEP BOX WITH TWO GANG DEVICE RING FLUSH MOUNTED IN CEILING
REX	REQUEST-TO-EXIT MOTION SENSOR	DOOR FRAME	STUB CONDUIT INTO HEAD OF DOOR ON CENTERLINE OF DOOR
WS1	SECURITY WORKSTATION	DESK	NO CONDUIT REQUIRED
WS2	SECURITY ACCESS CONTROL AND VIDEO WORKSTATION	DESK	NO CONDUIT REQUIRED

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HORIZONTAL CONTROL:

SHEET TITLE: SECURITY LEGEND

PROJECT: RANCHO CIENEGA SPORTS COMPLEX

ADDRESS: 5001 RODEO ROAD
LOS ANGELES, CA 90016

WORK ORDER NO. E1907694
PLAN FILE NO.
DRAWING NO. SD000
SHEET OF SHEETS

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GARY LEE MOORE, PE, ENV SP CITY ENGINEER

ARCHITECTURAL DIVISION

ARCHITECT: ZOLTAN E. PALI, FAIA LIC. NO. C-19741 DATE:
DESIGNED BY:
DRAWN BY:
CHECKED BY:
APPROVED BY: MAHMOOD KARIMZADEH, A.I.A., PRINCIPAL ARCHITECT

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UTILIZE EXISTING LIGHT POLES IN FIELD. COORDINATE WITH ELECTRICAL.

UTILIZE EXISTING LIGHT POLES IN FIELD. COORDINATE WITH ELECTRICAL.

PLACE CAMERA ON EXISTING POLE FACING BLEACHERS.

N

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VERTICAL CONTROL:
HORIZONTAL CONTROL:

SHEET TITLE: SITE SECURITY PLAN

PROJECT: RANCHO CIENEGA SPORTS COMPLEX

ADDRESS: 5001 RODEO ROAD
LOS ANGELES, CA 90016

GARY LEE MOORE, PE, ENV SP — CITY ENGINEER — DATE:
ARCHITECTURAL DIVISION
LIC. NO. C-19741
ARCHITECT: ZOLTAN E. PALI, FAIA
DESIGNED BY:
DRAWN BY:
CHECKED BY:
APPROVED BY: MAHMOOD KARIMZADEH, A.I.A., PRINCIPAL ARCHITECT

WORK ORDER NO.
E1907694
PLAN FILE NO.

DRAWING NO.
SD100
SHEET OF SHEETS

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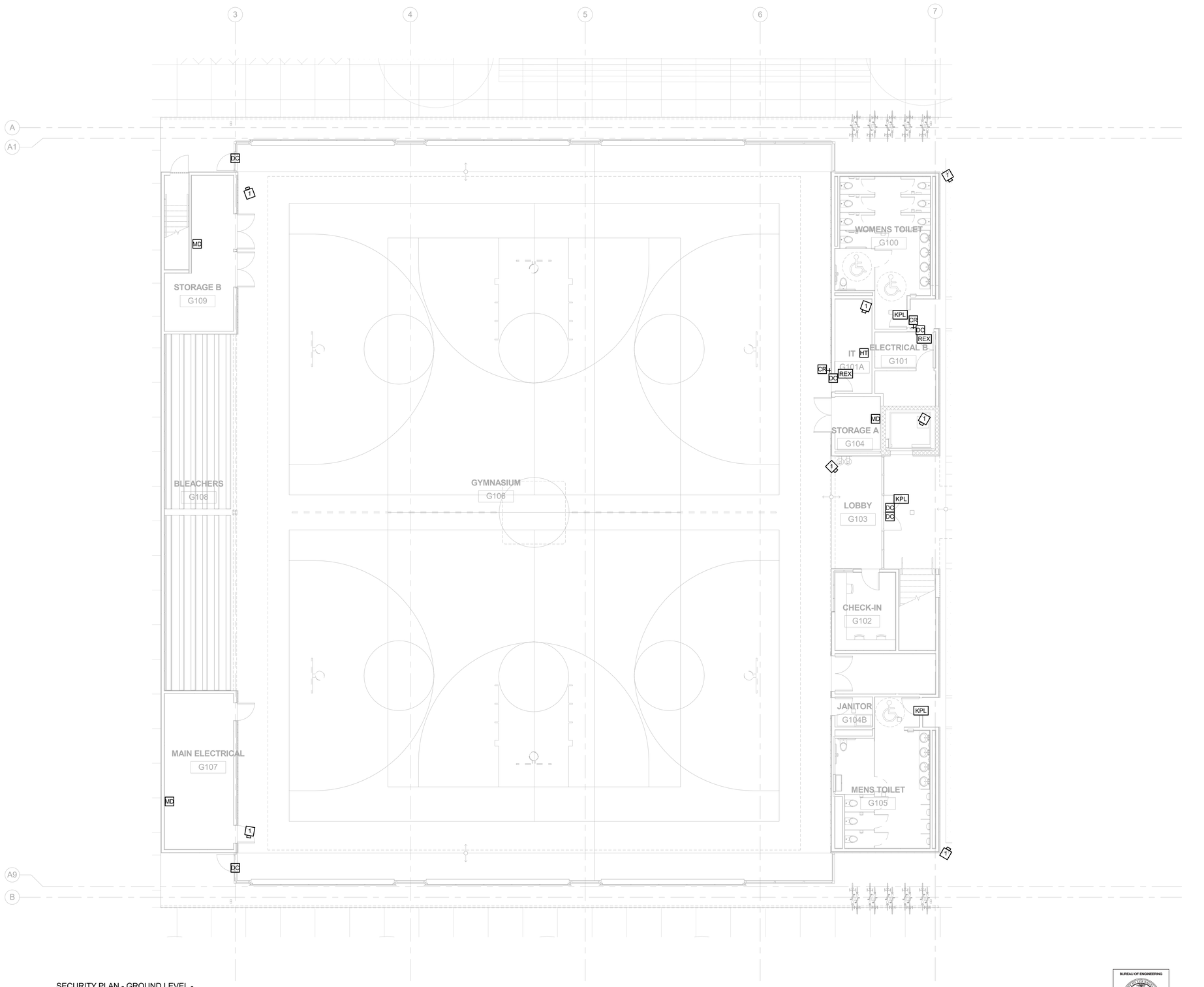

1 SECURITY PLAN - GROUND LEVEL - GYMNASIUM
1/8" = 1'-0"

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CITY ENGINEER
GARY LEE MOORE, PE, ENV SP
DATE:

ARCHITECTURAL DIVISION
ARCHITECT: ZOLTAN E. PALI, FAIA LIC. NO. C-19741
DESIGNED BY:
DRAWN BY:
CHECKED BY:
APPROVED BY: MAHMOOD KARIMZADEH, A.I.A., PRINCIPAL ARCHITECT

VERTICAL CONTROL:
HORIZONTAL CONTROL:

SHEET TITLE: GROUND FLOOR SECURITY PLAN - GYMNASIUM

PROJECT: RANCHO CIENEGA SPORTS COMPLEX

ADDRESS: 5001 RODEO ROAD
LOS ANGELES, CA 90016

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WORK ORDER NO. E1907694
PLAN FILE NO.
DRAWING NO. SD201
SHEET OF SHEETS

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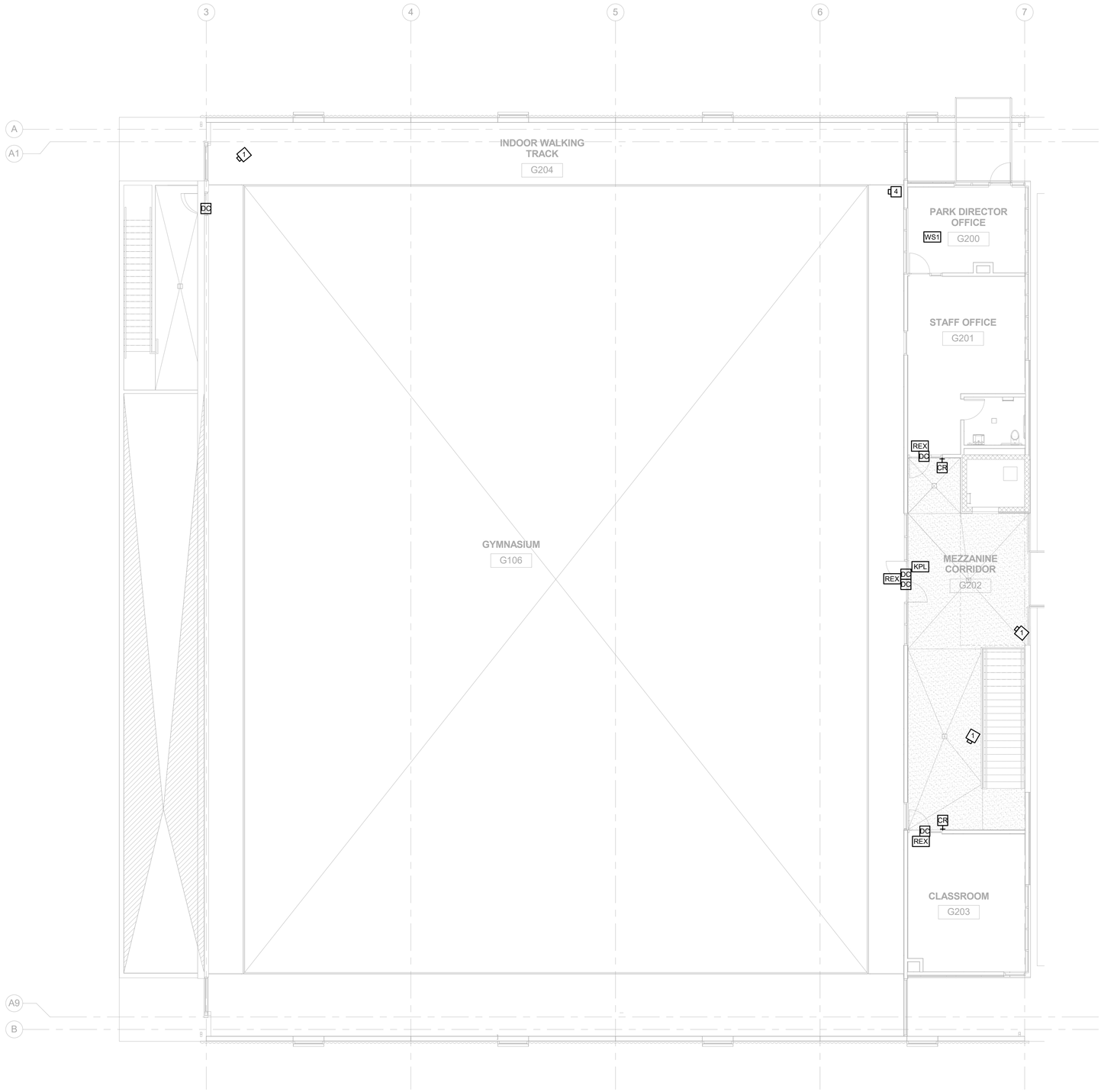

1 SECURITY PLAN - MEZZANIN LEVEL - GYMNASIUM
1/8" = 1'-0"

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CITY OF LOS ANGELES

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CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS

VERTICAL CONTROL:
HORIZONTAL CONTROL:

SHEET TITLE: MEZZANINE FLOOR SECURITY PLAN - GYMNASIUM

PROJECT: RANCHO CIENEGA SPORTS COMPLEX

ADDRESS: 5001 RODEO ROAD
LOS ANGELES, CA 90016

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CITY ENGINEER
GARY LEE MOORE, PE, ENV SP
DATE:
ARCHITECTURAL DIVISION
LIC. NO. C-19741

ARCHITECT: ZOLTAN E. PALI, FAIA
DESIGNED BY:
DRAWN BY:
CHECKED BY:
APPROVED BY: MAHMOOD KARIMZADEH, A.I.A., PRINCIPAL ARCHITECT

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PLAN FILE NO.
DRAWING NO. SD202
SHEET OF SHEETS

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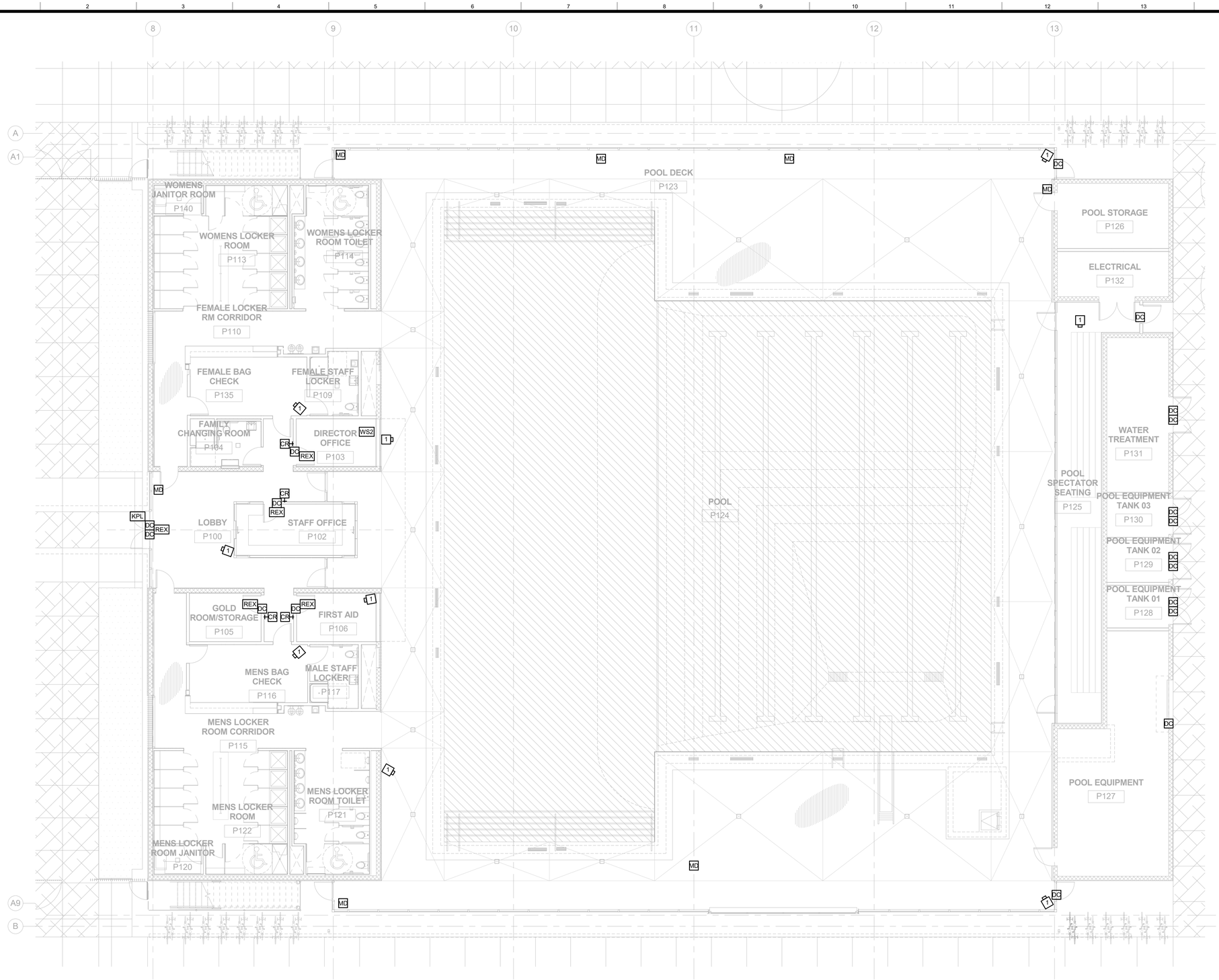

1 SECURITY PLAN - GROUND LEVEL - POOL
1/8" = 1'-0"

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BUILDING NO. XX/XX

INDEX NO. - RP 300094

BUREAU OF ENGINEERING
CITY OF LOS ANGELES
BID SET SUBMITTAL
DEPARTMENT OF PUBLIC WORKS

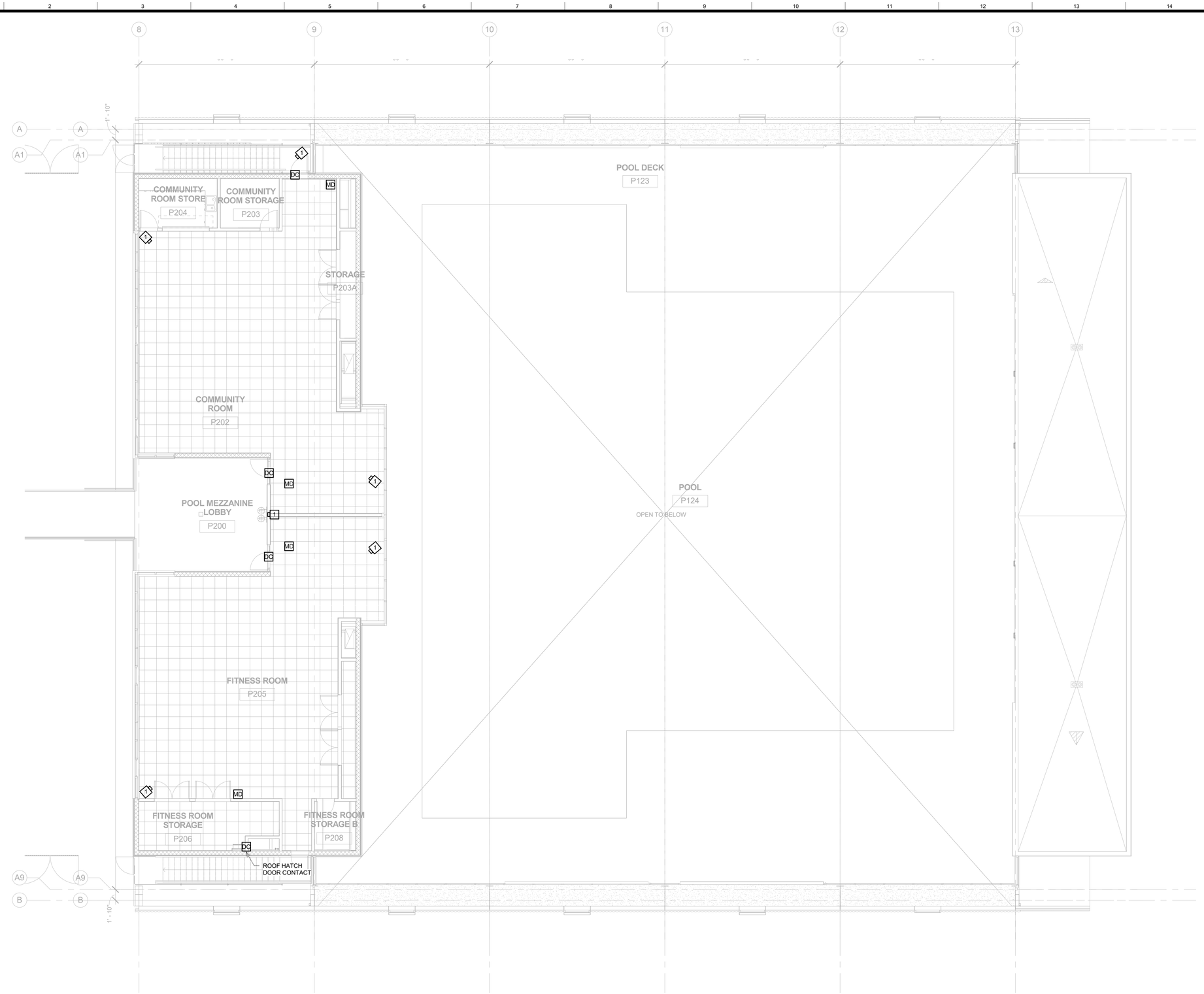
GARY LEE MOORE, PE, ENV SP CITY ENGINEER
ARCHITECTURAL DIVISION LIC. NO. C-19741
ARCHITECT: ZOLTAN E. PALI, FAIA DATE:
DESIGNED BY:
DRAWN BY:
CHECKED BY:
APPROVED BY: MAHMOOD KARIMZADEH, A.I.A., PRINCIPAL ARCHITECT

VERTICAL CONTROL:
HORIZONTAL CONTROL:
SHEET TITLE: GROUND FLOOR SECURITY PLAN - POOL
PROJECT: RANCHO CIENEGA SPORTS COMPLEX
ADDRESS: 5001 RODEO ROAD LOS ANGELES, CA 90016

BUREAU OF ENGINEERING OFFICIAL RECORD

WORK ORDER NO. E1907694
PLAN FILE NO.
DRAWING NO. SD203
SHEET OF SHEETS

PLOTTED: ----



1 SECURITY PLAN - MEZZANIN LEVEL - POOL
1/8" = 1'-0"

BUREAU OF ENGINEERING
OFFICIAL RECORD

N

BID SET SUBMITTAL

CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS

BUREAU OF ENGINEERING

ENGINEERING
CITY OF LOS ANGELES

NO. | REVISIONS: | DATE: | BY:

BUILDING NO. XX/XX

INDEX NO. - RP 300094

GARY LEE MOORE, PE, ENV SP CITY ENGINEER
ARCHITECTURAL DIVISION
ARCHITECT: ZOLTAN E. PALI, FAIA LIC. NO. C-19741
DESIGNED BY:
DRAWN BY:
CHECKED BY:
APPROVED BY: MAHMOOD KARIMZADEH, A.I.A., PRINCIPAL ARCHITECT
DATE:

VERTICAL CONTROL:
HORIZONTAL CONTROL:
SHEET TITLE: MEZZANINE FLOOR SECURITY PLAN - POOL
PROJECT: RANCHO CIENEGA SPORTS COMPLEX
ADDRESS: 5001 RODEO ROAD LOS ANGELES, CA 90016

WORK ORDER NO. E1907694
PLAN FILE NO.
DRAWING NO. SD204
SHEET OF SHEETS

PLOTTED: ----

REVISION DATES (DESIGN STAGE ONLY)

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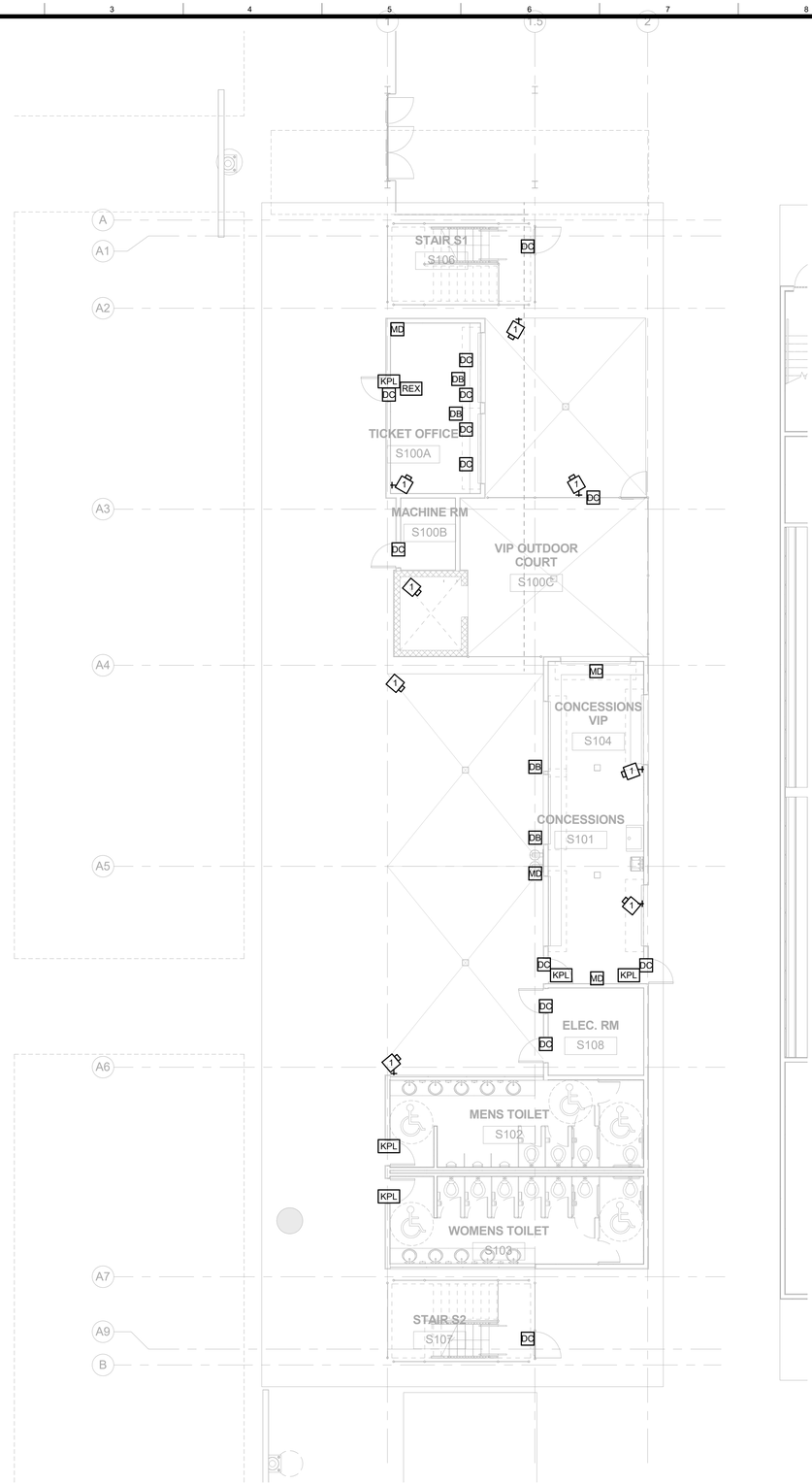
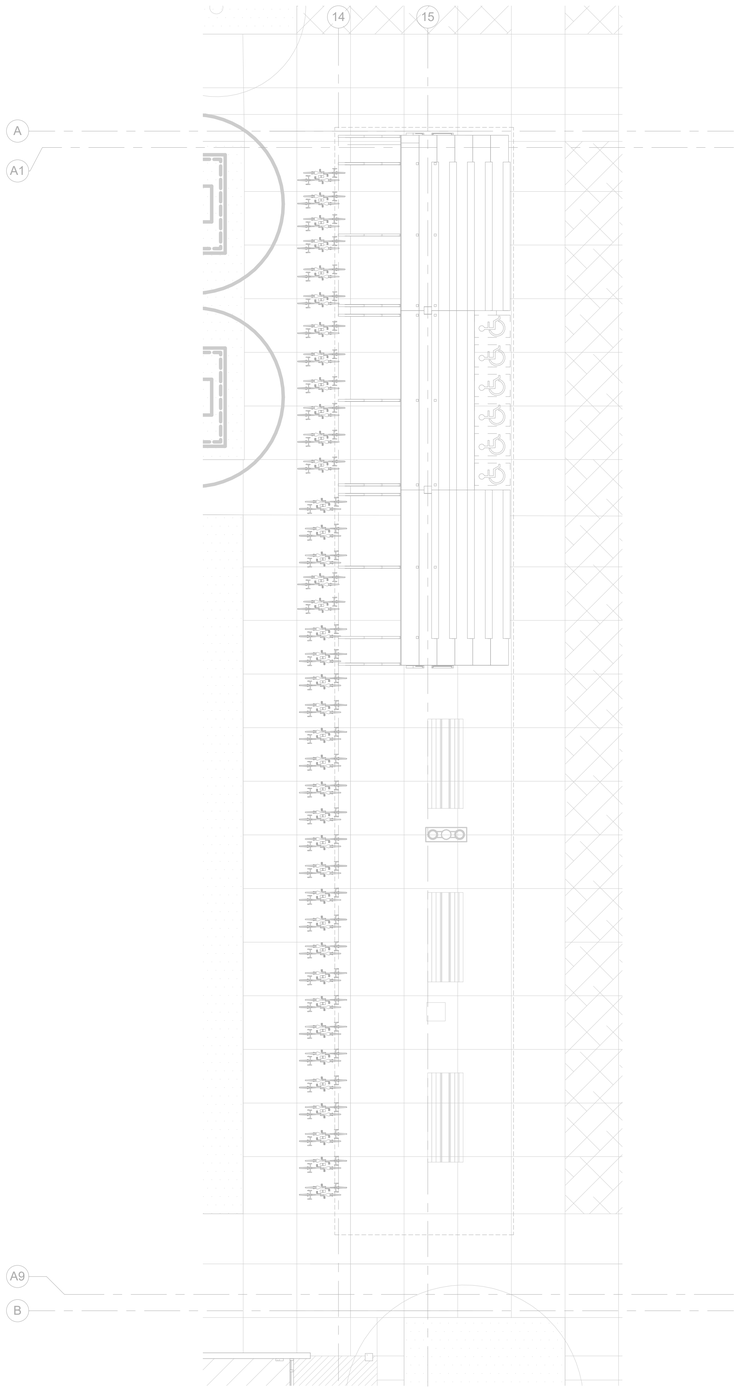


1 SECURITY PLAN - GROUND LEVEL - STAIUM CONCESSIONS
1/8" = 1'-0"



2 SECURITY PLAN - GROUND LEVEL - TENNIS PRO SHOP
1/8" = 1'-0"

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REVISION DATES (DESIGN STAGE ONLY)

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ENGINEERING
CITY OF LOS ANGELES

NO. | REVISIONS: | DATE: | BY:

BUILDING NO. XX/XX

INDEX NO. - RP 300094

BUREAU OF ENGINEERING
DEPARTMENT OF PUBLIC WORKS
CITY OF LOS ANGELES

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GARY LEE MOORE, PE, ENV SP CITY ENGINEER DATE:
ARCHITECTURAL DIVISION
ARCHITECT: ZOLTAN E. PALI, FAIA LIC. NO. C-19741
DESIGNED BY:
DRAWN BY:
CHECKED BY:
APPROVED BY: MAHMOOD KARIMZADEH, A.I.A., PRINCIPAL ARCHITECT

VERTICAL CONTROL:
HORIZONTAL CONTROL:

SHEET TITLE: GROUND LEVEL SECURITY PLAN - STADIUM CONCESSIONS

PROJECT: RANCHO CIENEGA SPORTS COMPLEX

ADDRESS: 5001 RODEO ROAD
LOS ANGELES, CA 90016

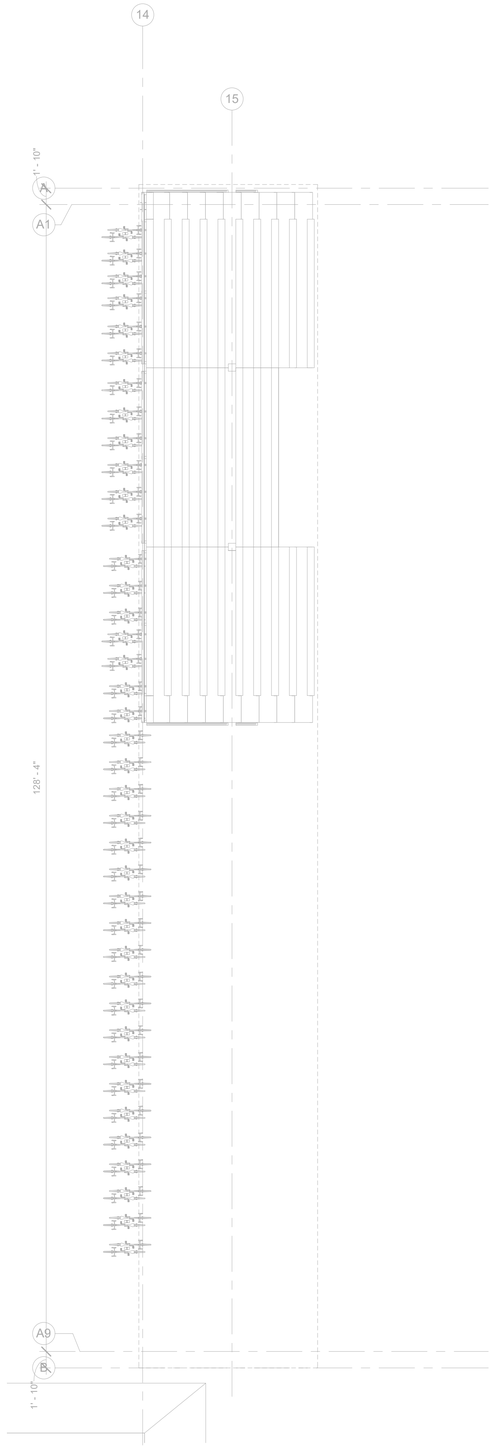
BUREAU OF ENGINEERING
OFFICIAL RECORD

WORK ORDER NO. E1907694
PLAN FILE NO.
DRAWING NO. SD205
SHEET OF SHEETS

N

PLOTTED: ----

1 SECURITY PLAN - GROUND LEVEL - TENNIS PRO SHOP REST ROOMS
1/8" = 1'-0"



2 SECURITY PLAN - MEZZANIN LEVEL -TENNIS GRAND STANDS
1/8" = 1'-0"

N

BUREAU OF ENGINEERING
OFFICIAL RECORD

BID SET SUBMITTAL

CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS

VERTICAL CONTROL:
HORIZONTAL CONTROL:

SHEET TITLE: MEZZANINE FLOOR PLAN - TENNIS GRANDSTAND AND STADIUM OVERLOOK

PROJECT: RANCHO CIENEGA SPORTS COMPLEX

ADDRESS: 5001 RODEO ROAD
LOS ANGELES, CA 90016

WORK ORDER NO. E1907694
PLAN FILE NO.
DRAWING NO. SD206
SHEET OF SHEETS

CITY ENGINEER	DATE:
GARY LEE MOORE, PE, ENV SP	
ARCHITECTURAL DIVISION	LIC. NO. C-19741
ARCHITECT: ZOLTAN E. PALI, FAIA	
DESIGNED BY:	
DRAWN BY:	
CHECKED BY:	
APPROVED BY: MAHMOOD KARIMZADEH, A.I.A., PRINCIPAL ARCHITECT	

BUREAU OF ENGINEERING

ENGINEERING
CITY OF LOS ANGELES

NO.	REVISIONS:	DATE:	BY:

BUILDING NO. XX/XX

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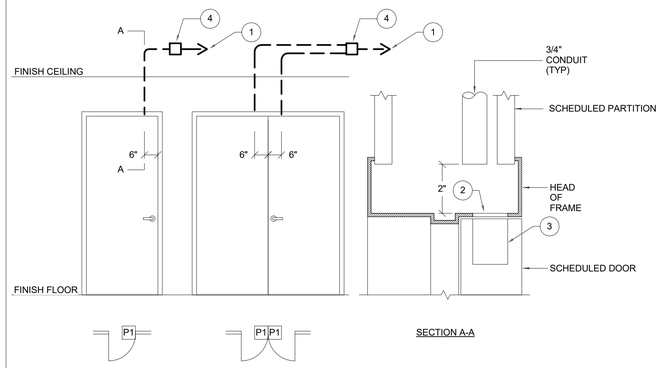

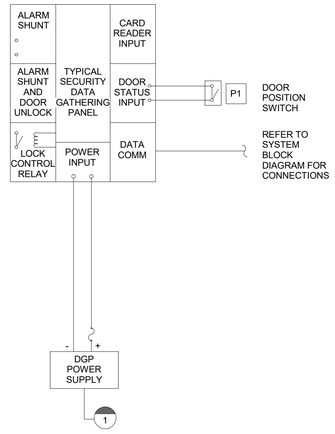

NOTES TO DETAIL:

1. ROUTE CONDUIT TO NEAREST CABLE TRAY OR HOME RUN TO NEAREST SECURITY RISER LOCATION (UNLESS NOTED OTHERWISE).
2. 1" DIA. HOLE IN HEAD OF FRAME FOR CONCEALED DOOR POSITION SWITCH.
3. 1" DIA. x 1 5/8" DEEP HOLE IN TOP OF DOOR FOR CONCEALED DOOR POSITION SWITCH MAGNET.
4. 4" X 4" X 2 1/8" DEEP JUNCTION BOX MOUNTED ABOVE ACCESSIBLE CEILING.

GENERAL NOTE:

A. DETAIL REPRESENTS TYPICAL REQUIREMENTS. SEE THE SECURITY PLANS FOR EXACT REQUIREMENTS AT EACH DOOR.

B. REFERENCE SECURITY LEGEND FOR DEVICE CONDUIT AND BACKBOX REQUIREMENTS.

GENERAL NOTE:

A. BLOCK DIAGRAM REPRESENTS TYPICAL CONTROLLED DOOR. SEE THE PLANS FOR THE EXACT DEVICES ASSOCIATED WITH EACH DOOR.

B. ALL POWER SUPPLIES AND RELAYS SHALL BE U.L. LISTED. PROVIDE INDIVIDUALLY FUSED OUTPUTS TO EACH LOCK/DEVICE. PROVIDE 4 HOUR BATTERY BACK-UP FOR EACH POWER SUPPLY.

1	CONCEALED DOOR POSITION SWITCH CONDUIT ROUGH-IN AND BLOCK DIAGRAM	N.T.S.

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CITY OF LOS ANGELES

NO.	REVISIONS:	DATE:	BY:

BUILDING NO. XX/XX

INDEX NO. - RP 300094

GARY LEE MOORE, PE, ENV SP CITY ENGINEER LIC. NO. C-19741 DATE:

ARCHITECTURAL DIVISION

ARCHITECT: ZOLTAN E. PALI, FAIA LIC. NO. C-19741

DESIGNED BY:

DRAWN BY:

CHECKED BY:

APPROVED BY: MAHMOOD KARIMZADEH, A.I.A., PRINCIPAL ARCHITECT

VERTICAL CONTROL:

HORIZONTAL CONTROL:

SHEET TITLE: SECURITY DOOR DETAILS

PROJECT: RANCHO CIENEGA SPORTS COMPLEX

ADDRESS: 5001 RODEO ROAD
LOS ANGELES, CA 90016

WORK ORDER NO. E1907694

PLAN FILE NO.

DRAWING NO. SD400

SHEET OF SHEETS

PLOTTED: ----

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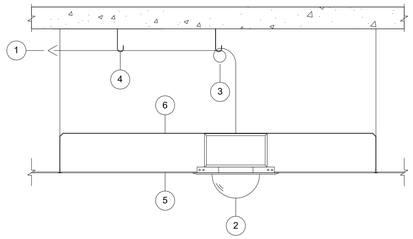


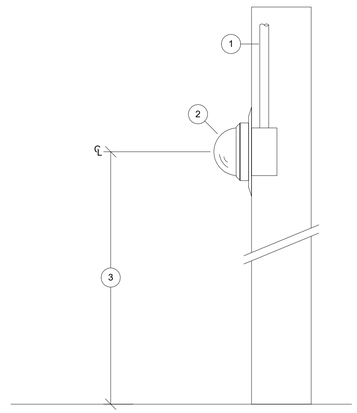
NOTES TO SHEET:

1. ROUTE CABLE TO NEAREST CABLE TRAY OR HOME RUN TO NEAREST SECURITY RISER LOCATION (UNLESS NOTED OTHERWISE).
2. CCTV CAMERA, ENCLOSURE, MOUNT AND MOUNTING SUPPORT HARDWARE AS REQUIRED BY THE MANUFACTURER.
3. STRAIN RELIEF AND CABLE MANAGEMENT TO PROTECT CABLE AND MINIMUM BEND RADIUS COMPLIANCE.
4. FASTENERS TO ROUTE CABLE ABOVE ACCESSIBLE CEILINGS AS SPECIFIED. PROVIDE CONDUIT FOR CAMERAS LOCATED IN NON-ACCESSIBLE CEILING.
5. SCHEDULED CEILING.
6. PROVIDE ADJUSTABLE T-BAR CAMERA SUPPORT FOR CAMERAS MOUNTED IN CEILING TILE.

NOTE:

DETAIL REPRESENTS TYPICAL REQUIREMENTS. SEE THE FLOOR PLANS FOR EXACT REQUIREMENTS AT EACH CAMERA LOCATION.

1 INTERIOR CEILING MOUNTED DOME ANALOG/IP CAMERA CONDUIT ROUGH-IN — N.T.S.



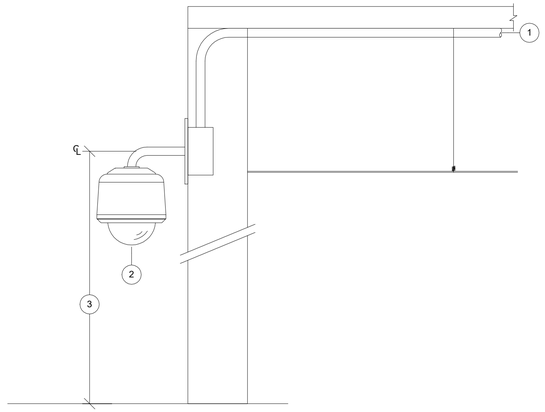
NOTES TO SHEET:

1. ROUTE CONDUIT TO NEAREST CABLE TRAY OR HOME RUN TO NEAREST SECURITY RISER LOCATION (UNLESS NOTED OTHERWISE).
2. CCTV CAMERA, ENCLOSURE, MOUNT AND MOUNTING SUPPORT HARDWARE AS REQUIRED BY THE MANUFACTURER.
3. FIELD VERIFY MOUNTING HEIGHT.

NOTE:

DETAIL REPRESENTS TYPICAL REQUIREMENTS. SEE THE FLOOR PLANS FOR EXACT REQUIREMENTS AT EACH CAMERA LOCATION.

2 INTERIOR WALL MOUNTED DOME ANALOG/IP CAMERA CONDUIT ROUGH-IN — N.T.S.



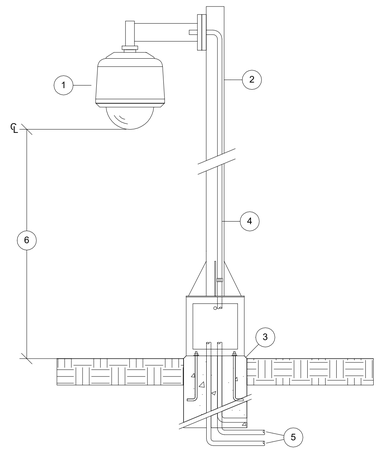
NOTES TO SHEET:

1. ROUTE CONDUIT TO NEAREST CABLE TRAY OR HOME RUN TO NEAREST SECURITY RISER LOCATION (UNLESS NOTED OTHERWISE).
2. CCTV CAMERA, ENCLOSURE, MOUNT AND MOUNTING SUPPORT HARDWARE AS REQUIRED BY THE MANUFACTURER.
3. FIELD VERIFY EXACT MOUNTING HEIGHT.

NOTE:

DETAIL REPRESENTS TYPICAL REQUIREMENTS. SEE THE FLOOR PLANS FOR EXACT REQUIREMENTS AT EACH CAMERA LOCATION.

3 EXTERIOR WALL PENDANT MOUNTED DOME ANALOG/IP CAMERA CONDUIT ROUGH-IN — N.T.S.



NOTES TO SHEET:

1. CCTV CAMERA, ENCLOSURE, MOUNT AND MOUNTING SUPPORT HARDWARE AS REQUIRED BY THE MANUFACTURER.
2. CAMERA POLE.
3. CONCRETE BASE FOR CAMERA POLE PER POLE MANUFACTURER'S REQUIREMENTS.
4. WEATHER PROOF FLEXIBLE CONDUIT WITHIN CAMERA POLE.
5. 2-1" CONDUITS FOR POWER AND VIDEO CONTROL.
6. FIELD VERIFY MOUNTING HEIGHT.

NOTE:

DETAIL REPRESENTS TYPICAL REQUIREMENTS. SEE THE FLOOR PLANS FOR EXACT REQUIREMENTS AT EACH CAMERA LOCATION.

4 EXTERIOR CAMERA POLE MOUNTED ANALOG/IP CAMERA CONDUIT ROUGH-IN — N.T.S.

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OFFICIAL RECORD

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ENGINEERING
CITY OF LOS ANGELES

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BUILDING NO. XX/XX

INDEX NO. - RP 300094

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CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS

GARY LEE MOORE, PE, ENV SP — CITY ENGINEER — DATE:
ARCHITECTURAL DIVISION — LIC. NO. C-19741
ARCHITECT: ZOLTAN E. PALI, FAIA
DESIGNED BY:
DRAWN BY:
CHECKED BY:
APPROVED BY: MAHMOOD KARIMZADEH, A.I.A., PRINCIPAL ARCHITECT

VERTICAL CONTROL:
HORIZONTAL CONTROL:

SHEET TITLE: SECURITY CAMERA DETAILS

PROJECT: RANCHO CIENEGA SPORTS COMPLEX

ADDRESS: 5001 RODEO ROAD
LOS ANGELES, CA 90016

WORK ORDER NO. E1907694
PLAN FILE NO.
DRAWING NO. SD410
SHEET OF SHEETS

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SG102 - Type and Color
SG103 - Sign Summary
SG104 - Sign Location Plan, GROUND FLOOR PLAN - GYMNASIUM
SG105 - Sign Location Plan, MEZZANINE FLOOR PLAN - GYMNASIUM
SG106 - Sign Location Plan, FIRST FLOOR PLAN - POOL
SG107 - Sign Location Plan, MEZZANINE FLOOR PLAN - POOL
SG108 - Sign Location Plan, GROUND FLOOR AND ROOF PLAN - STADIUM CONCESSIONS
SG109 - Sign Location Plan, OVERLOOK FLOOR AND ROOF PLAN - STADIUM OVERLOOK
SG110 - Sign Location Plan, GROUND AND MEZZANINE PLAN - TENNIS GRANDSTAND
SG111 - Sign Schedule, Gymnasium
SG112 - Sign Schedule, Pool
SG113 - Sign Schedule, Stadium
SG114 - Sign Schedule, Tennis
SG115 - Elevator Directory, Restroom ID
SG116 - Restroom ID (Title 24), Restroom ID (Title 24)
SG117 - Room ID, Maximum Occupancy
SG118 - Stair ID, Stairwell ID
SG119 - Exit Route ID, Accessibility Entry Sign
SG120 - No Smoking Sign

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BUREAU OF ENGINEERING

NO. | REVISIONS: | DATE: | BY:

BUILDING NO. XX/XX

INDEX NO. - RP 300094

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CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS

GARY LEE MOORE, PE, ENV SP CITY ENGINEER DATE:

ARCHITECTURAL DIVISION

ARCHITECT: ZOLTAN E. PALI, FAIA LIC. NO. C-19741

DESIGNED BY: ZEP

DRAWN BY: AOS

CHECKED BY: SM

APPROVED BY: MAHMOOD KARIMZADEH, A.I.A., PRINCIPAL ARCHITECT

VERTICAL CONTROL:

HORIZONTAL CONTROL:

SHEET TITLE: TABLE OF CONTENTS

PROJECT: RANCHO CIENEGA SPORTS COMPLEX

ADDRESS: 5001 RODEO ROAD LOS ANGELES, CA 90016

BUREAU OF ENGINEERING OFFICIAL RECORD

WORK ORDER NO. E1907694

PLAN FILE NO.

DRAWING NO. SG101

SHEET OF SHEETS

PLOTTED: ---

1

PMS Reflex Blue
Matthews Paint
MP 11430 Alhambra Mosaic Blue

CMYK
90.85
83.19
2.29
0

2

PMS
Matthews Paint
MP

CMYK
0
0
0
0

3

PMS 485U
Matthews Paint
MP 01404 Rose Pedal

CMYK
0
90
85
0

COLOR SPECIFICATIONS

Gotham Condensed Medium

ABCDEFGHIJKLMNOPQRSTUVWXYZ
abcdefghijklmnopqrstuvwxyz
1234567890

TYPEFACE

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OFFICIAL RECORD

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CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS

BUREAU OF ENGINEERING

ENGINEERING
CITY OF LOS ANGELES

NO. | REVISIONS: | DATE: | BY:

BUILDING NO.
XX/XX

INDEX NO. -
RP 300094

VERTICAL CONTROL:
HORIZONTAL CONTROL:

SHEET TITLE: TYPEFACES / COLOR SPECIFICATIONS

PROJECT: RANCHO CIENEGA SPORTS COMPLEX

ADDRESS: 5001 RODEO ROAD
LOS ANGELES, CA 90016

GARY LEE MOORE, PE, ENV SP — CITY ENGINEER — DATE:
ARCHITECTURAL DIVISION
ARCHITECT: ZOLTAN E. PALI, FAIA — LIC. NO. C-19741
DESIGNED BY: ZEP
DRAWN BY: AOS
CHECKED BY: SM
APPROVED BY: MAHMOOD KARIMZADEH, A.I.A., PRINCIPAL ARCHITECT

WORK ORDER NO.
E1907694

PLAN FILE NO.

DRAWING NO.
SG102

SHEET OF SHEETS

PLOTTED: ---

REVISION DATES:
(DESIGN STAGE ONLY)

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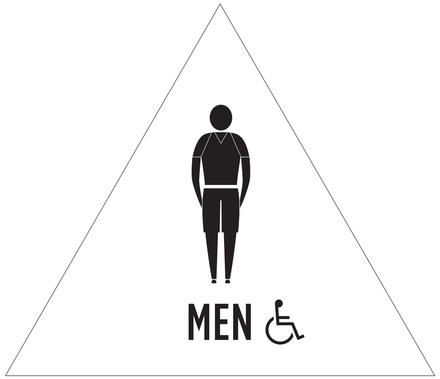
LEVEL 2

COMMUNITY ROOM
FITNESS ROOM
CLASSROOM
ADMINISTRATIVE OFFICES

BN40 - Elevator Directory

WOMEN

BN50 - Restroom ID



BN51 - Restroom ID (Title 24)

G201
STAFF OFFICE

BN60 - Room ID

MAXIMUM
OCCUPANCY

283

BN75 - Max Occupancy

★ LEVEL 1

BN80 - Level ID

2

STAIR G1

1 THROUGH 2
NO ROOF
ACCESS

EXIT DOWN TO LEVEL 1

BN81 - Stairwell ID

EXIT ROUTE

BN83 - Exit Route ID

BN90 - ISA Symbol

BN93 - No Smoking

BUREAU OF ENGINEERING
OFFICIAL RECORD

BID SET SUBMITTAL

CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS

BUREAU OF ENGINEERING

ENGINEERING
CITY OF LOS ANGELES

NO. | REVISIONS: | DATE: | BY:

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GARY LEE MOORE, PE, ENV SP CITY ENGINEER
DATE:

ARCHITECTURAL DIVISION
LIC. NO. C-19741

ARCHITECT: ZOLTAN E. PALI, FAIA
DESIGNED BY: ZEP
DRAWN BY: AOS
CHECKED BY: SM
APPROVED BY: MAHMOOD KARIMZADEH, A.I.A., PRINCIPAL ARCHITECT

VERTICAL CONTROL:
HORIZONTAL CONTROL:

SHEET TITLE: SIGN SUMMARY

PROJECT: RANCHO CIENEGA SPORTS COMPLEX

ADDRESS: 5001 RODEO ROAD
LOS ANGELES, CA 90016

WORK ORDER NO. E1907694

PLAN FILE NO.

DRAWING NO. SG103

SHEET OF SHEETS

PLOTTED: —

REVISION DATES: (DESIGN STAGE ONLY)

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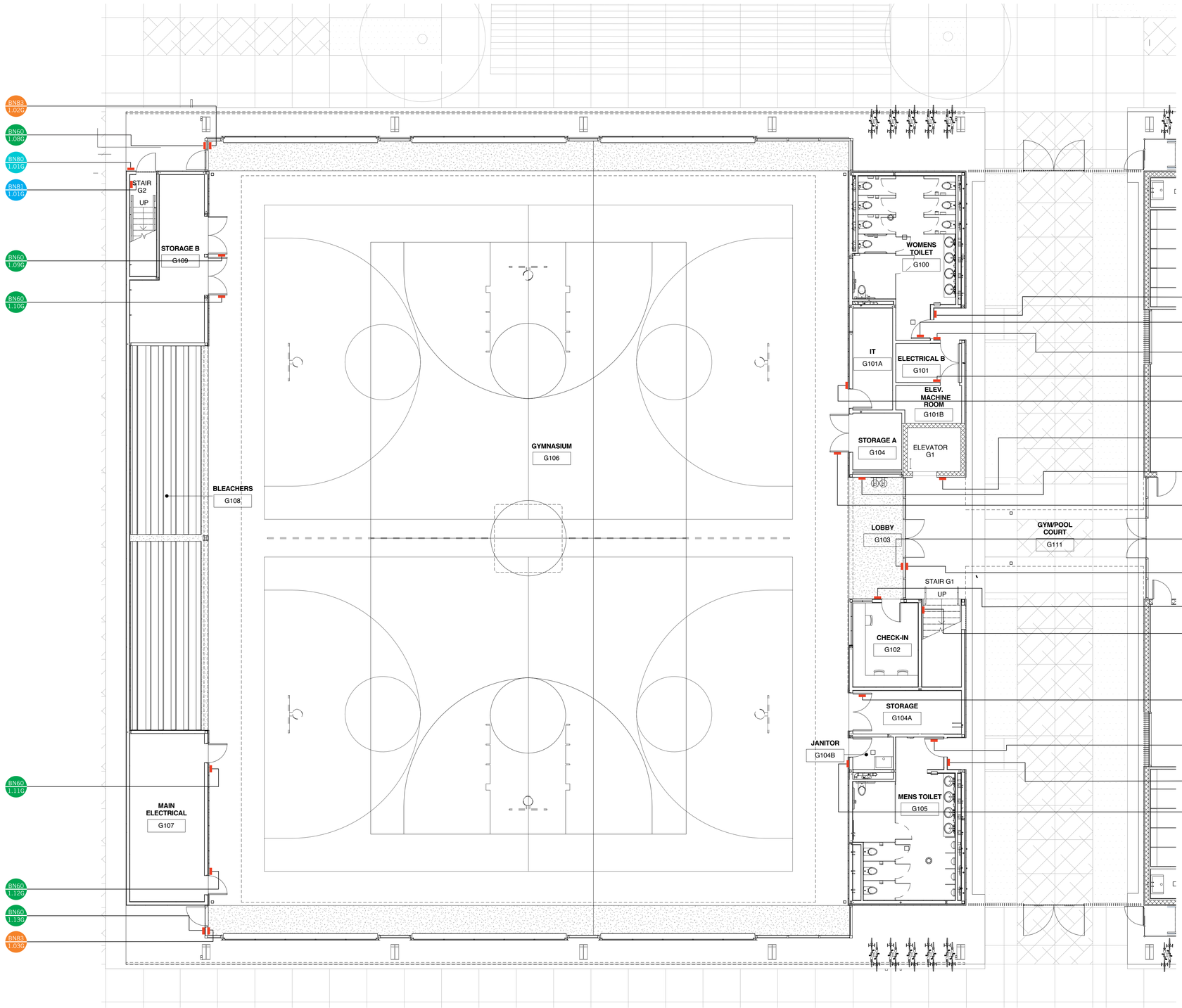

1 GROUND LEVEL PLAN - GYMNASIUM
1/8" = 1'-0"

BN40 1.00 Elevator Directory
BN50 1.00 Restroom ID
BN51 1.00 Restroom ID (Title 24)
BN60 1.00 Room ID
BN75 1.00 Maximum Occupancy
BN80 1.00 Stair ID
BN81 1.00 Stairwell ID
BN83 1.00 Exit ID
BN90 1.00 Accessibility Entry Sign
BN93 1.00 No Smoking Sign

BUREAU OF ENGINEERING
CITY OF LOS ANGELES

NO. REVISIONS: DATE: BY:

BUILDING NO. XX/XX

INDEX NO. - RP 300094

BID SET SUBMITTAL

CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS

VERTICAL CONTROL:
HORIZONTAL CONTROL:

SHEET TITLE: GROUND FLOOR PLAN - GYMNASIUM

PROJECT: RANCHO CIENEGA SPORTS COMPLEX

ADDRESS: 5001 RODEO ROAD
LOS ANGELES, CA 90016

GARY LEE MOORE, PE, ENV SP CITY ENGINEER
DATE:
LIC. NO. C-19741
ARCHITECTURAL DIVISION
ARCHITECT: ZOLTAN E. PALI, FAIA
DESIGNED BY: ZEP
DRAWN BY: AOS
CHECKED BY: SM
APPROVED BY: MAHMOOD KARIMZADEH, A.I.A., PRINCIPAL ARCHITECT

BUREAU OF ENGINEERING OFFICIAL RECORD

WORK ORDER NO. E1907694
PLAN FILE NO.
DRAWING NO. SG104
SHEET OF SHEETS

PLOTTED: ---

REVISION DATES (DESIGN STAGE ONLY)

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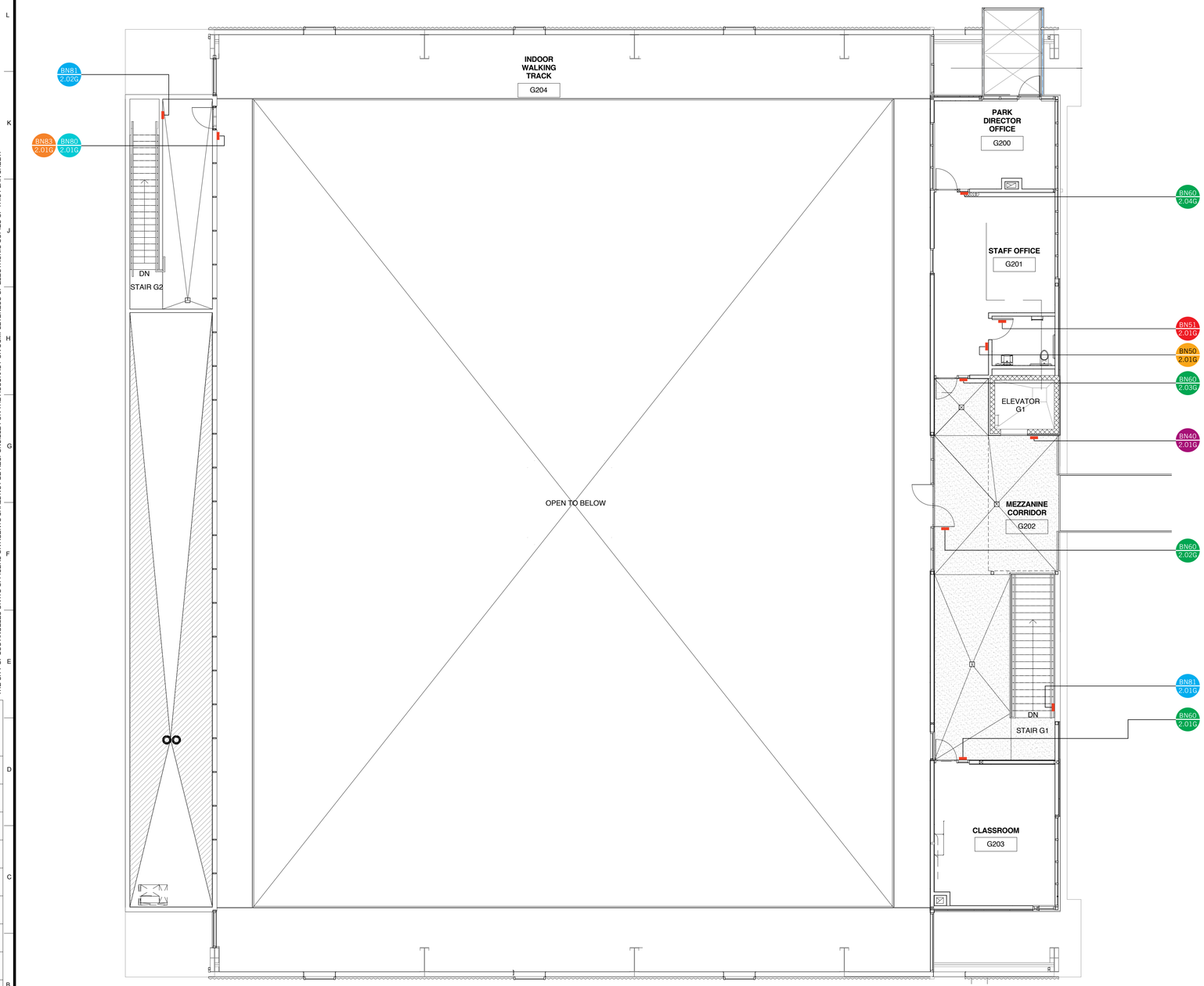
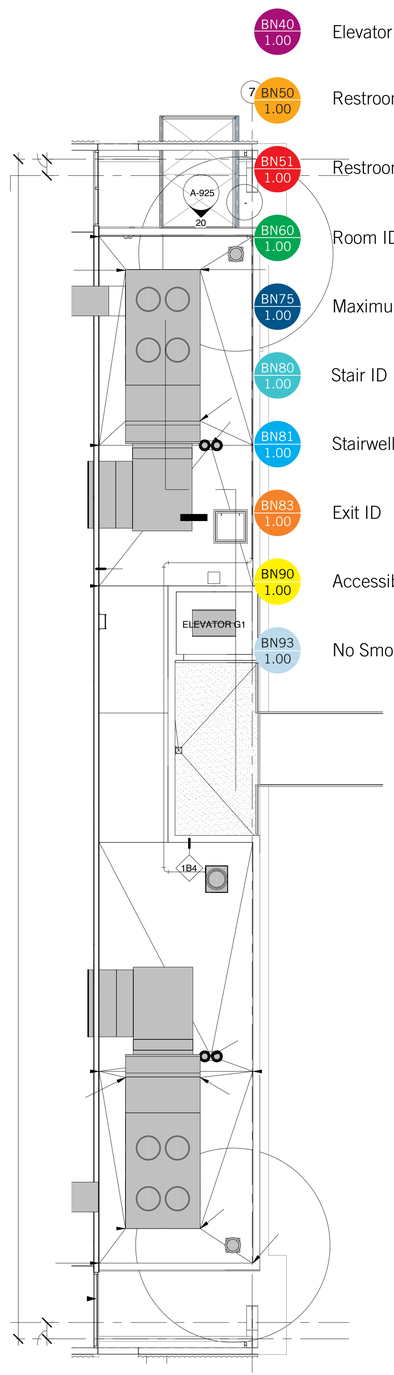


2 MEZZANINE LEVEL PLAN - GYMNASIUM
1/8" = 1'-0"



1 MEZZANINE ROOF LEVEL PLAN - GYMNASIUM
1/8" = 1'-0"

BN40 1.00 Elevator Directory
7 BN50 1.00 Restroom ID
BN51 1.00 Restroom ID (Title 24)
BN60 1.00 Room ID
BN75 1.00 Maximum Occupancy
BN80 1.00 Stair ID
BN81 1.00 Stairwell ID
BN83 1.00 Exit ID
BN90 1.00 Accessibility Entry Sign
BN93 1.00 No Smoking Sign

BUREAU OF ENGINEERING
ENGINEERING
CITY OF LOS ANGELES
NO. REVISIONS: DATE: BY:
BUILDING NO. XX/XX
INDEX NO. - RP 300094

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DEPARTMENT OF PUBLIC WORKS
CITY OF LOS ANGELES

GARY LEE MOORE, PE, ENV SP CITY ENGINEER DATE:
ARCHITECTURAL DIVISION
ARCHITECT: ZOLTAN E. PALI, FAIA LIC. NO. C-19741
DESIGNED BY: ZEP
DRAWN BY: AOS
CHECKED BY: SM
APPROVED BY: MAHMOOD KARIMZADEH, A.I.A., PRINCIPAL ARCHITECT

VERTICAL CONTROL:
HORIZONTAL CONTROL:
SHEET TITLE: MEZZANINE FLOOR PLAN - GYMNASIUM
PROJECT: RANCHO CIENEGA SPORTS COMPLEX
ADDRESS: 5001 RODEO ROAD
LOS ANGELES, CA 90016

WORK ORDER NO. E1907694
PLAN FILE NO.
DRAWING NO. SG105
SHEET OF SHEETS

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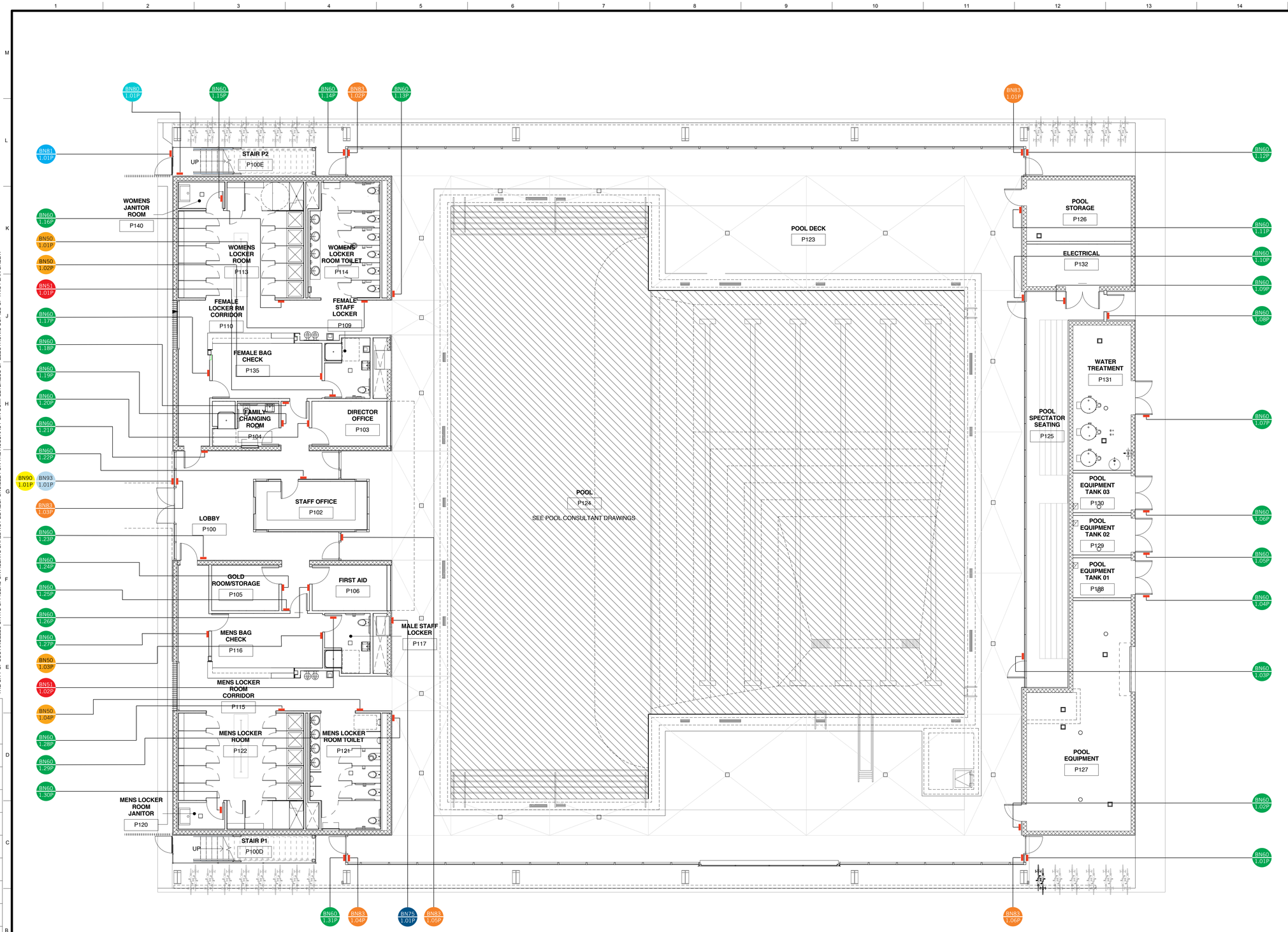

1 GROUND LEVEL PLAN - POOL
1/8" = 1'-0"

BN40 1.00 Elevator Directory
BN50 1.00 Restroom ID
BN51 1.00 Restroom ID (Title 24)
BN60 1.00 Room ID
BN75 1.00 Maximum Occupancy
BN80 1.00 Stair ID
BN81 1.00 Stairwell ID
BN83 1.00 Exit ID
BN90 1.00 Accessibility Entry Sign
BN93 1.00 No Smoking Sign

BUREAU OF ENGINEERING
CITY OF LOS ANGELES
NO. REVISIONS: - DATE: BY:
BUILDING NO. XX/XX
INDEX NO. RP 300094

BID SET SUBMITTAL
DEPARTMENT OF PUBLIC WORKS
CITY OF LOS ANGELES
VERTICAL CONTROL:
HORIZONTAL CONTROL:
SHEET TITLE: FIRST FLOOR PLAN - POOL
PROJECT: RANCHO CIENEGA SPORTS COMPLEX
ADDRESS: 5001 RODEO ROAD LOS ANGELES, CA 90016

GARY LEE MOORE, PE, ENV SP CITY ENGINEER DATE:
ARCHITECTURAL DIVISION LIC. NO. C-19741
ARCHITECT: ZOLTAN E. PALI, FAIA
DESIGNED BY: ZEP
DRAWN BY: AOS
CHECKED BY: SM
APPROVED BY: MAHMOOD KARIMZADEH, A.I.A., PRINCIPAL ARCHITECT

WORK ORDER NO. E1907694
PLAN FILE NO.
DRAWING NO. SG106
SHEET OF SHEETS

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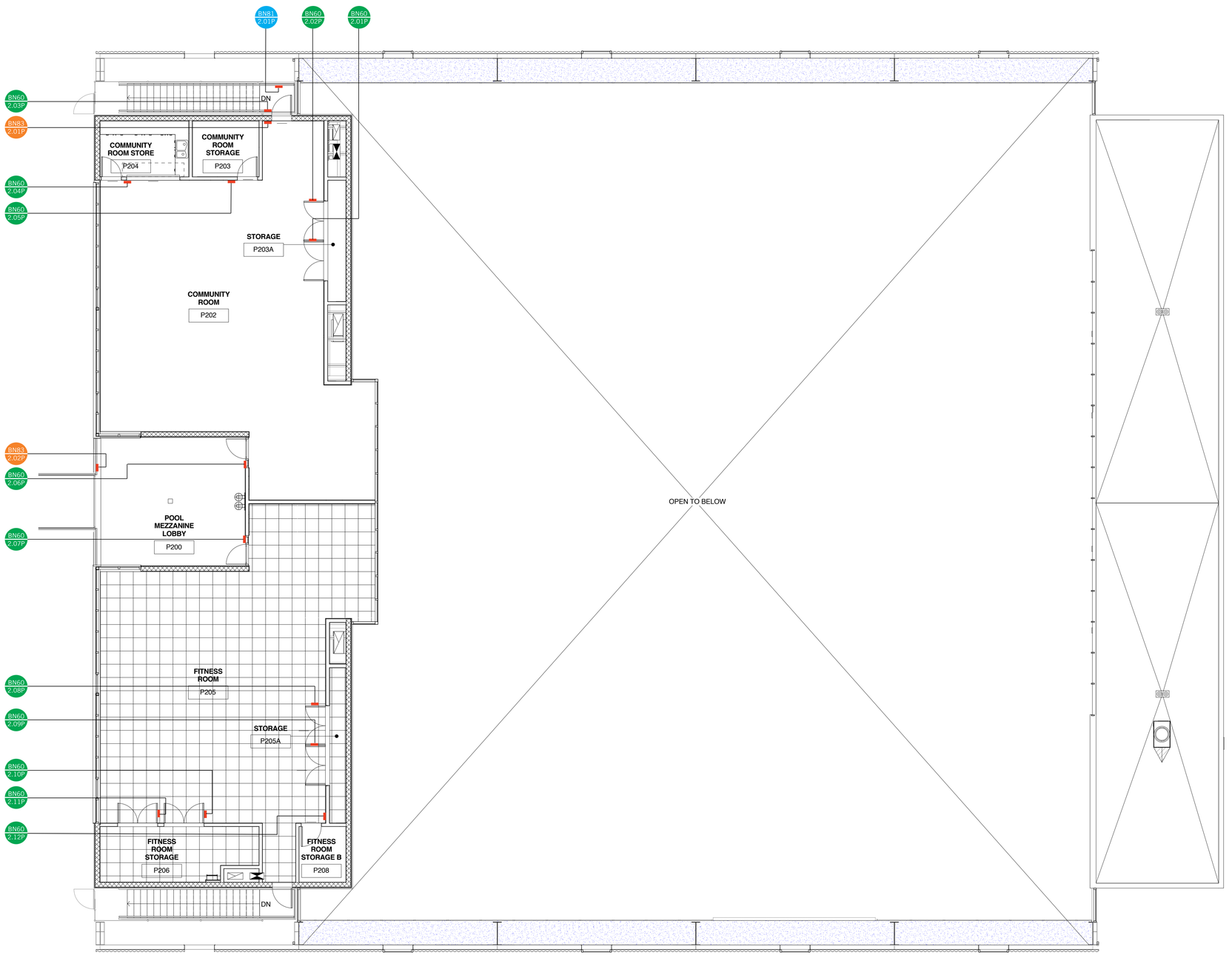

1 MEZZANINE LEVEL PLAN - POOL
1/8" = 1'-0"

BN40 1.00 Elevator Directory
BN50 1.00 Restroom ID
BN51 1.00 Restroom ID (Title 24)
BN60 1.00 Room ID
BN75 1.00 Maximum Occupancy
BN80 1.00 Stair ID
BN81 1.00 Stairwell ID
BN83 1.00 Exit ID
BN90 1.00 Accessibility Entry Sign
BN93 1.00 No Smoking Sign

BUREAU OF ENGINEERING
ENGINEERING
CITY OF LOS ANGELES

NO. REVISIONS: DATE: BY:

BUILDING NO. XX/XX

INDEX NO. - RP 300094

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CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS

GARY LEE MOORE, PE, ENV SP CITY ENGINEER
ARCHITECTURAL DIVISION
ARCHITECT: ZOLTAN E. PALI, FAIA LIC. NO. C-19741 DATE:
DESIGNED BY: ZEP
DRAWN BY: AOS
CHECKED BY: SM
APPROVED BY: MAHMOOD KARIMZADEH, A.I.A., PRINCIPAL ARCHITECT

VERTICAL CONTROL:
HORIZONTAL CONTROL:

SHEET TITLE: MEZZANINE FLOOR PLAN - POOL

PROJECT: RANCHO CIENEGA SPORTS COMPLEX
ADDRESS: 5001 RODEO ROAD
LOS ANGELES, CA 90016

BUREAU OF ENGINEERING
OFFICIAL RECORD

WORK ORDER NO. E1907694
PLAN FILE NO.
DRAWING NO. SG107
SHEET OF SHEETS

PLOTTED: —

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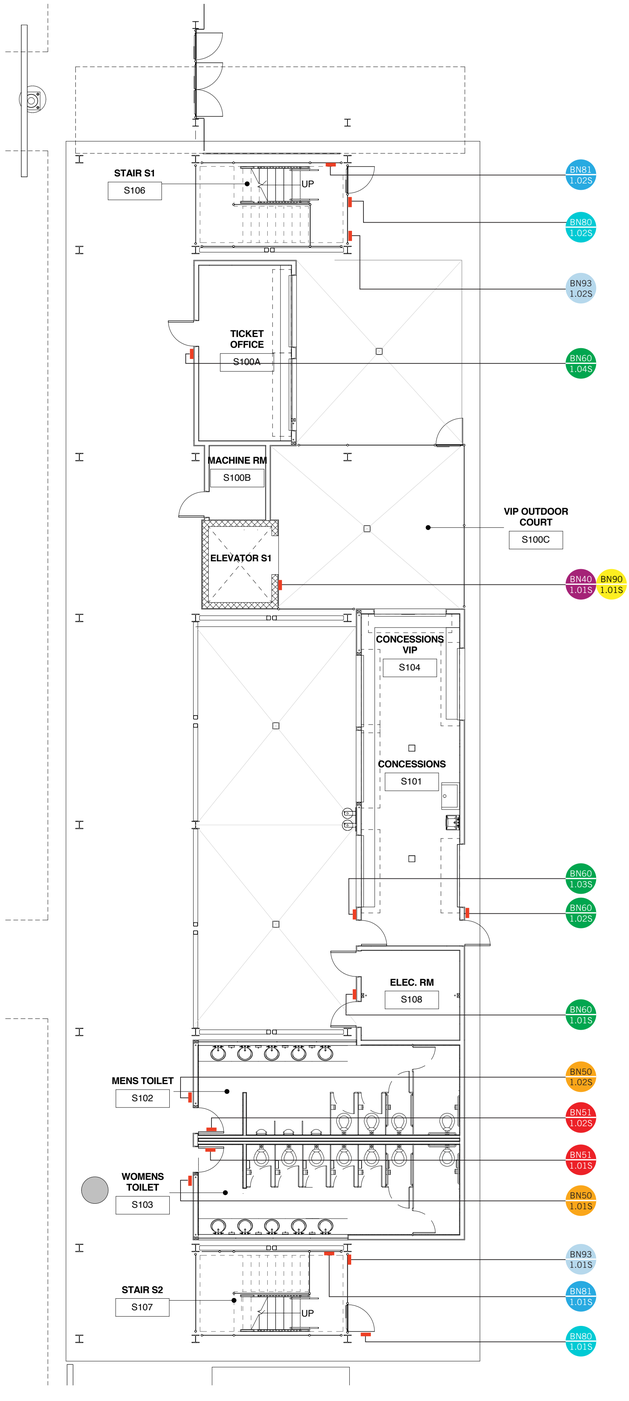
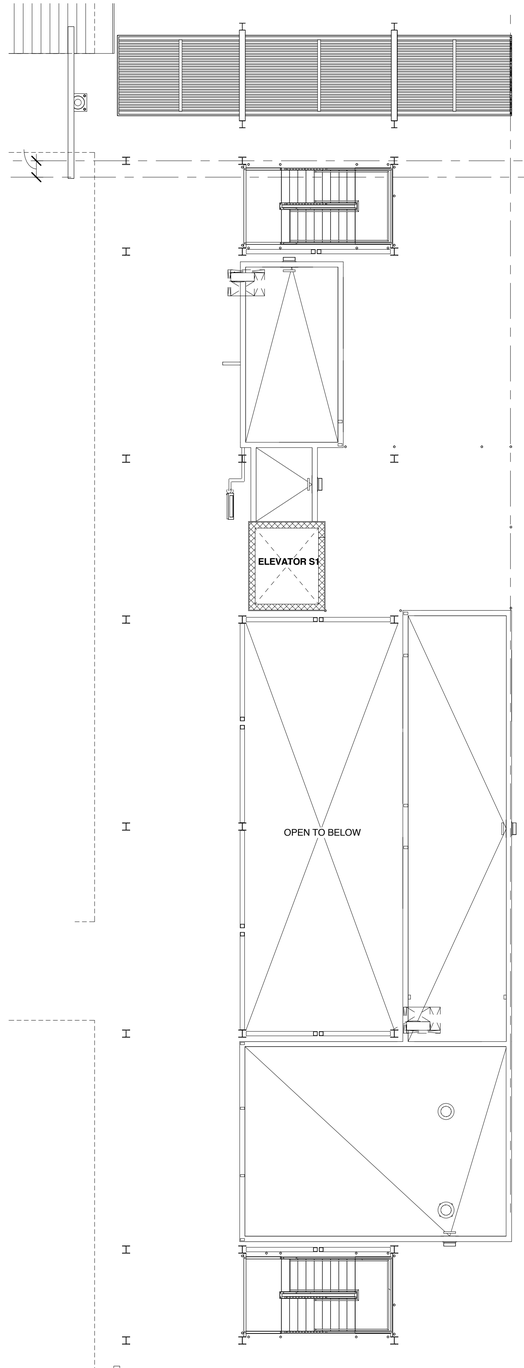


2 GROUND LEVEL PLAN - STADIUM OVERLOOK
1/8" = 1'-0"



1 ROOF PLAN - STADIUM CONCESSIONS
1/8" = 1'-0"

BUREAU OF ENGINEERING
OFFICIAL RECORD

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CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS

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ENGINEERING
CITY OF LOS ANGELES

NO. REVISIONS: DATE: BY:

BUILDING NO. XX/XX

INDEX NO. - RP 300094

GARY LEE MOORE, PE, ENV SP CITY ENGINEER DATE:

ARCHITECTURAL DIVISION LIC. NO. C-19741

ARCHITECT: ZOLTAN E. PALI, FAIA DESIGNED BY: ZEP

DRAWN BY: AOS CHECKED BY: SM

APPROVED BY: MAHMOOD KARIMZADEH, A.I.A., PRINCIPAL ARCHITECT

VERTICAL CONTROL:
HORIZONTAL CONTROL:

SHEET TITLE: GROUND FLOOR AND ROOF PLAN - STADIUM CONCESSIONS

PROJECT: RANCHO CIENEGA SPORTS COMPLEX

ADDRESS: 5001 RODEO ROAD LOS ANGELES, CA 90016

WORK ORDER NO. E1907694

PLAN FILE NO.

DRAWING NO. SG108

SHEET OF SHEETS

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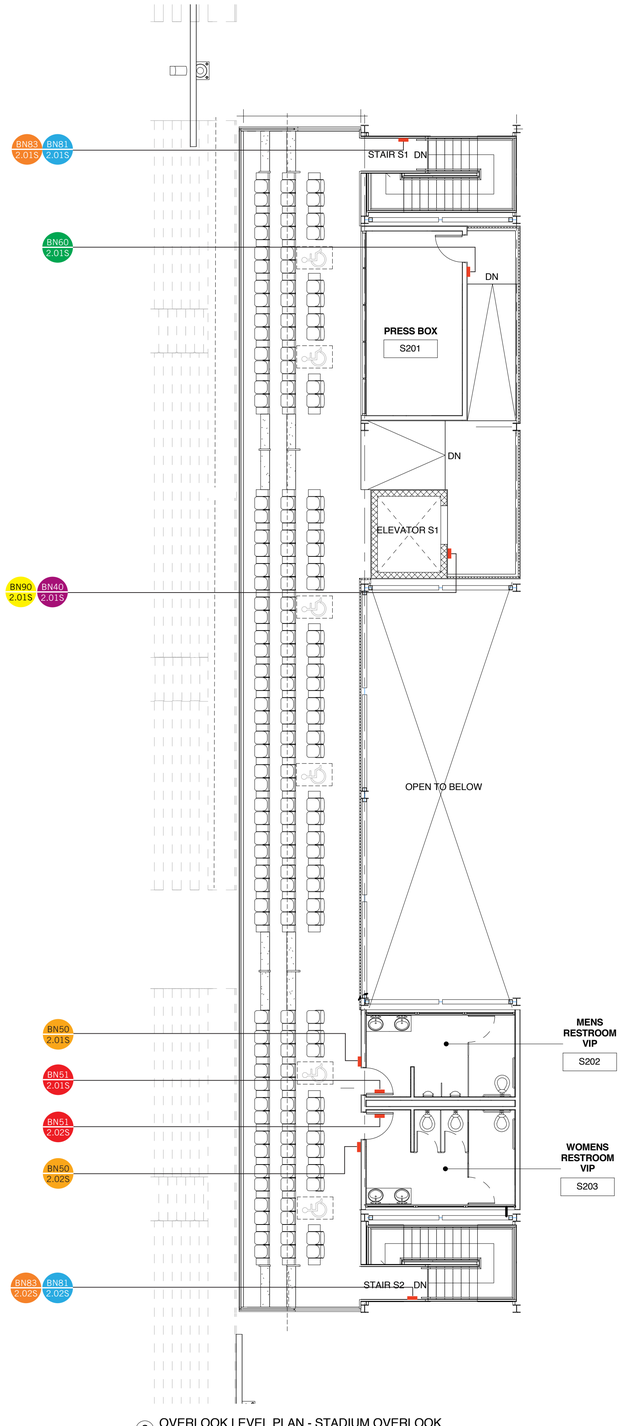
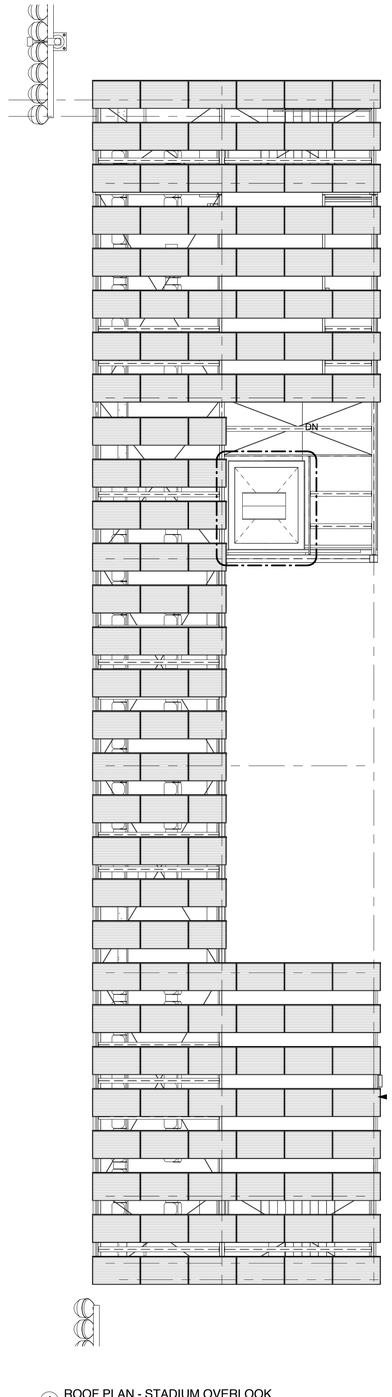


2 OVERLOOK LEVEL PLAN - STADIUM OVERLOOK
1/8" = 1'-0"



1 ROOF PLAN - STADIUM OVERLOOK
1/8" = 1'-0"

BN40 1.00 Elevator Directory

BN50 1.00 Restroom ID

BN51 1.00 Restroom ID (Title 24)

BN60 1.00 Room ID

BN75 1.00 Maximum Occupancy

BN80 1.00 Stair ID

BN81 1.00 Stairwell ID

BN83 1.00 Exit ID

BN90 1.00 Accessibility Entry Sign

BN93 1.00 No Smoking Sign

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OFFICIAL RECORD

BID SET SUBMITTAL

CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS

VERTICAL CONTROL:
HORIZONTAL CONTROL:

SHEET TITLE: OVERLOOK FLOOR AND ROOF PLAN - STADIUM OVERLOOK

PROJECT: RANCHO CIENEGA SPORTS COMPLEX

ADDRESS: 5001 RODEO ROAD
LOS ANGELES, CA 90016

BUREAU OF ENGINEERING
ENGINEERING
CITY OF LOS ANGELES

NO. REVISIONS: BY: DATE:

BUILDING NO. XX/XX

INDEX NO. - RP 300094

GARY LEE MOORE, PE, ENV SP CITY ENGINEER DATE:
LIC. NO. C-19741

ARCHITECTURAL DIVISION
ARCHITECT: ZOLTAN E. PALI, FAIA
DESIGNED BY: ZEP
DRAWN BY: AOS
CHECKED BY: SM
APPROVED BY: MAHMOOD KARIMZADEH, A.I.A., PRINCIPAL ARCHITECT

WORK ORDER NO. E1907694

PLAN FILE NO.

DRAWING NO. SG109

SHEET OF SHEETS

PLOTTED: ---

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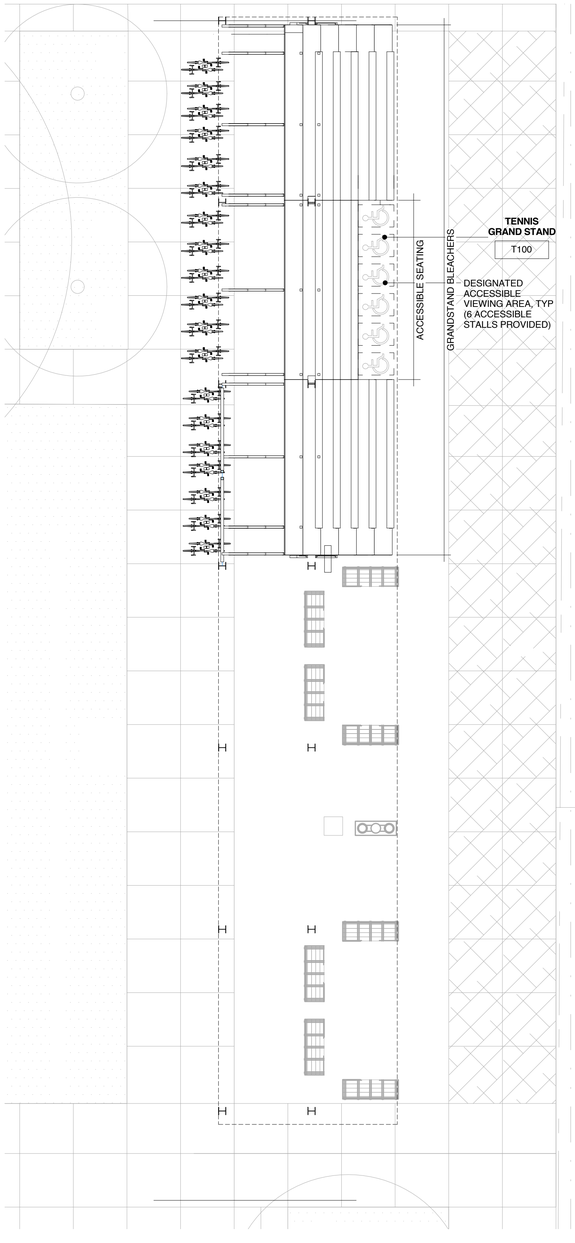
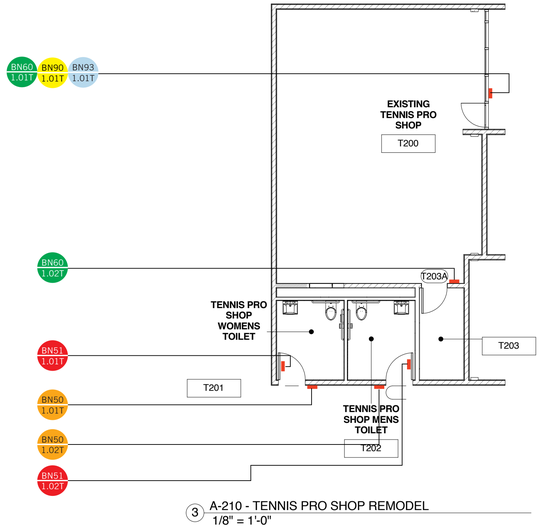


1 GROUND LEVEL PLAN - TENNIS GRANDSTAND
1/8" = 1'-0"



3 A-210 - TENNIS PRO SHOP REMODEL
1/8" = 1'-0"

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OFFICIAL RECORD

BID SET SUBMITTAL

CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS

ENGINEERING
CITY OF LOS ANGELES

BUREAU OF ENGINEERING

NO.	REVISIONS:	DATE:	BY:

BUILDING NO.
XX/XX

INDEX NO. -
RP 300094

GARY LEE MOORE, PE, ENV SP CITY ENGINEER
DATE:

ARCHITECTURAL DIVISION
LIC. NO. C-19741

ARCHITECT: ZOLTAN E. PALI, FAIA
DESIGNED BY: ZEP
DRAWN BY: AOS
CHECKED BY: SM
APPROVED BY: MAHMOOD KARIMZADEH, A.I.A., PRINCIPAL ARCHITECT

VERTICAL CONTROL:
HORIZONTAL CONTROL:

SHEET TITLE: GROUND AND MEZZANINE PLAN - TENNIS GRANDSTAND

PROJECT: RANCHO CIENEGA SPORTS COMPLEX

ADDRESS: 5001 RODEO ROAD
LOS ANGELES, CA 90016

WORK ORDER NO.
E1907694

PLAN FILE NO.

DRAWING NO.
SG110

SHEET OF SHEETS

PLOTTED: ---

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SIGN MESSAGE SCHEDULE FOR RCSC - GYMNASIUM

Sign	Callout		Identification	Nomenclature (Messaging)	Notes
BN40			Elevator Directory		
BN50			Restroom ID		
BN51			Restroom ID (Title 24)		
BN60			Room ID		
BN70			Directional Sign		
BN75			Maximum Occupancy		
BN80			Stair ID		
BN81			Stairwell ID		
BN83			Exit Route ID		
BN90			Accessibility Entry Sign		
BN93			No Smoking Sign		

Sign	Callout		Identification	Nomenclature (Messaging)	Notes
BN40	1.01G		Elevator Directory		
BN40	2.01G		Elevator Directory		
BN50	1.01G		Restroom ID	G105 Men	
BN50	1.02G		Restroom ID	G100 Women	
BN50	2.01G		Restroom ID	G201 Men & Women	
BN51	1.01G		Restroom ID (Title 24)	Men	
BN51	1.02G		Restroom ID (Title 24)	Women	
BN50	2.01G		Restroom ID (Title 24)	G201 Men & Women	
BN60	1.01G		Room ID	G104B Janitor	
BN60	1.02G		Room ID	G104A Storage	
BN60	1.03G		Room ID	G102 Check-in	
BN60	1.04G		Room ID	G104 Storage A	
BN60	1.05G		Room ID	G101A IT	
BN60	1.06G		Room ID	G101B Elevator Machine Room	
BN60	1.07G		Room ID	G101 Electrical B	
BN60	1.08G		Room ID	G106 Gymnasium Exit Only	
BN60	1.09G		Room ID	G109 Storage B	
BN60	1.10G		Room ID	G109 Storage B	
BN60	1.11G		Room ID	G107 Main Electrical	
BN60	1.12G		Room ID	G107 Main Electrical	
BN60	1.13G		Room ID	G106 Gymnasium Exit Only	
BN60	2.01G		Room ID	G203 Classroom	
BN60	2.02G		Room ID	G204 Walking Track	
BN60	2.03G		Room ID	G201 Staff Office	
BN60	2.04G		Room ID	G200 Park Director Office	
BN70	1.01G		Directional Sign		
BN75	1.01G		Maximum Occupancy	Maximum Occupancy 283	
BN80	1.01G		Stair ID	Stiar G2	
BN81	1.01G		Stairwell ID	Stiar G2	
BN81	2.01G		Stairwell ID	Stair G1	
BN81	2.02G		Stairwell ID	Stair G2	
BN83	1.01G		Exit Route ID	Exit	
BN83	1.02G		Exit Route ID	Exit	
BN83	1.03G		Exit Route ID	Exit	

Sign	Callout		Identification	Nomenclature (Messaging)	Notes
BN83	2.01G		Exit Route ID	Exit Route	
BN90	1.01G		Accessibility Entry Sign	ISA Symbol	
BN93	1.01G		No Smoking Sign	No Smoking Allowed within 25 feet of Building	

BUREAU OF ENGINEERING
OFFICIAL RECORD

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CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS

VERTICAL CONTROL:
HORIZONTAL CONTROL:

SHEET TITLE: SIGN MESSAGE SCHEDULE - GYMNASIUM

PROJECT: RANCHO CIENEGA SPORTS COMPLEX

ADDRESS: 5001 RODEO ROAD
LOS ANGELES, CA 90016

WORK ORDER NO.
E1907694

PLAN FILE NO.

DRAWING NO.
SG111

SHEET OF SHEETS

PLOTTED: ----

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ENGINEERING
CITY OF LOS ANGELES

NO.	REVISIONS:	DATE:	BY:

BUILDING NO.
XX/XX

INDEX NO. RP 300094 -

GARY LEE MOORE, PE, ENV SP CITY ENGINEER
LIC. NO. C-19741 DATE:

ARCHITECTURAL DIVISION
ARCHITECT: ZOLTAN E. PALI, FAIA
DESIGNED BY: ZEP
DRAWN BY: AOS
CHECKED BY: SM
APPROVED BY: MAHMOOD KARIMZADEH, A.I.A., PRINCIPAL ARCHITECT

REVISION DATES (DESIGN STAGE ONLY)

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SIGN MESSAGE SCHEDULE FOR RCSC - POOL

Sign	Callout		Identification	Nomenclature (Messaging)	Notes
BN40			Elevator Directory		
BN41			Elevator Evac Maps		
BN50			Restroom ID		
BN51			Restroom ID (Title 24)		
BN60			Room ID		
BN70			Directional Sign		
BN75			Maximum Occupancy		
BN80			Stair ID		
BN81			Stairwell ID		
BN83			Exit Route ID		
BN87			Exit Only ID		
BN90			Accessibility Entry Sign		
BN93			No Smoking Sign		
BD50			Building Directional		

Sign	Callout		Identification	Nomenclature (Messaging)	Notes
BN50	1.01P		Restroom ID	Women	
BN50	1.02P		Restroom ID	Women	
BN50	1.03P		Restroom ID	Men	
BN50	1.04P		Restroom ID	Men	
BN50	1.01P		Restroom ID (Title 24)	Women	
BN50	1.02P		Restroom ID (Title 24)	Men	
BN60	1.01P		Room ID	P124B Pool Exit Only	
BN60	1.02P		Room ID	P127 Pool Equipment	
BN60	1.03P		Room ID	P125 Pool Spectator Seating	
BN60	1.04P		Room ID	P128 Pool Equipment Tank 01	
BN60	1.05P		Room ID	P129 Pool Equipment Tank 02	
BN60	1.06P		Room ID	P130 Pool Equipment Tank 03	
BN60	1.07P		Room ID	P131 Water Treatment	
BN60	1.08P		Room ID	P125 Pool Spectator Seating	
BN60	1.09P		Room ID	P132 Electrical	
BN60	1.10P		Room ID	P125 Pool Spectator Seating	
BN60	1.11P		Room ID	P126 Pool Storage	
BN60	1.12P		Room ID	P124A Pool Exit Only	
BN60	1.13P		Room ID	Women Changing and Shower	
BN60	1.14P		Room ID	P124F Pool Exit Only	
BN60	1.15P		Room ID	P140 Women Janitor Room	
BN60	1.16P		Room ID	Women Changing and Shower	
BN60	1.17P		Room ID	P135 Female Bag Check	
BN60	1.18P		Room ID	P135 Female Bag Check	
BN60	1.19P		Room ID	P104 Family Changing Room	
BN60	1.20P		Room ID	P103 Director Office	
BN60	1.21P		Room ID	Women Locker Room	
BN60	1.22P		Room ID	P102 Staff Office	
BN60	1.23P		Room ID	Men Locker Room	
BN60	1.24P		Room ID	P105 Gold Room/Storage	
BN60	1.25P		Room ID	P116 Mens Bag Check	
BN60	1.26P		Room ID	P106 First Aid	
BN60	1.27P		Room ID	P116 Mens Bag Check	
BN60	1.28P		Room ID	P122 Men Locker Room	
BN60	1.29P		Room ID	P122 Men Locker Room	
BN60	1.30P		Room ID	P120 Mens Locker Room Janitor	
BN60	1.31P		Room ID	P124 Pool Exit Only	

Sign	Callout		Identification	Nomenclature (Messaging)	Notes
BN60	2.01P		Room ID	P203A Storage	
BN60	2.02P		Room ID	P203A Storage	
BN60	2.03P		Room ID	P202 Community Room	
BN60	2.04P		Room ID	P204 Community Room Store	
BN60	2.05P		Room ID	P203 Community Room Storage	
BN60	2.06P		Room ID	P202 Community Room	
BN60	2.07P		Room ID	P205 Fitness Room	
BN60	2.08P		Room ID	P205A Fitness Room Storage	
BN60	2.09P		Room ID	P205A Fitness Room Storage	
BN60	2.10P		Room ID	P206 Fitness Room Storage	
BN60	2.11P		Room ID	P206 Fitness Room Storage	
BN60	2.11P		Room ID	P208 Fitness Room Storage B	
BN75	1.01P		Maximum Occupancy	Maximum Occupancy 713	
BN80	1.01P		Stair ID	Stair P2	
BN81	1.01P		Stairwell ID	Stair P2	
BN83	1.01P		Exit Route ID	Exit	
BN83	1.02P		Exit Route ID	Exit	
BN83	1.03P		Exit Route ID	Exit	
BN83	1.04P		Exit Route ID	Exit	
BN83	1.05P		Exit Route ID	Exit	
BN83	1.06P		Exit Route ID	Exit	
BN83	2.01P		Exit Route ID	Exit	
BN83	2.02P		Exit Route ID	Exit	
BN90	1.01P		Accessibility Entry Sign	ISA Symbol	
BN93	1.01P		No Smoking Sign	No Smoking Symbol	

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OFFICIAL RECORD

BUREAU OF ENGINEERING
ENGINEERING
CITY OF LOS ANGELES

NO. | REVISIONS: | DATE: | BY:

BUILDING NO. XX/XX

INDEX NO. - RP 300094

CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS
BID SET SUBMITTAL

VERTICAL CONTROL:
HORIZONTAL CONTROL:

SHEET TITLE: SIGN MESSAGE SCHEDULE - POOL

PROJECT: RANCHO CIENEGA SPORTS COMPLEX

ADDRESS: 5001 RODEO ROAD
LOS ANGELES, CA 90016

GARY LEE MOORE, PE, ENV SP CITY ENGINEER
ARCHITECTURAL DIVISION
ARCHITECT: ZOLTAN E. PALI, FAIA LIC. NO. C-19741 DATE:
DESIGNED BY: ZEP
DRAWN BY: AOS
CHECKED BY: SM
APPROVED BY: MAHMOOD KARIMZADEH, A.I.A., PRINCIPAL ARCHITECT

WORK ORDER NO. E1907694
PLAN FILE NO.
DRAWING NO. SG112
SHEET OF SHEETS

PLOTTED: ----

REVISION DATES (DESIGN STAGE ONLY)

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TEMPLATE SHEET REVISION DATE: 08/2014
REVISION DATE: 10/24/2016 5:30 PM FILE: Z:\14-018 RANCHO CIENEGA SPORTS COMPLEX\DRAWINGS\REVITLINKS\AUTOCADBOE_TITLEBLOCK_CD_90PERCENT.DWG

SIGN MESSAGE SCHEDULE FOR RCSC - STADIUM

Sign	Callout		Identification	Nomenclature (Messaging)	Notes
BN40			Elevator Directory		
BN50			Restroom ID		
BN51			Restroom ID (Title 24)		
BN60			Room ID		
BN70			Directional Sign		
BN75			Maximum Occupancy		
BN80			Stair ID		
BN81			Stairwell ID		
BN83			Exit Route ID		
BN90			Accessibility Entry Sign		
BN93			No Smoking Sign		

Sign	Callout		Identification	Nomenclature (Messaging)	Notes
BN40	1.01S		Elevator Directory		
BN40	2.01S		Elevator Directory		
BN50	1.01S		Restroom ID	Women	
BN50	1.02S		Restroom ID	Men	
BN50	2.01S		Restroom ID	Men	
BN50	2.02S		Restroom ID	Women	
BN51	1.01S		Restroom ID (Title 24)	Women	
BN51	1.02S		Restroom ID (Title 24)	Men	
BN51	2.01S		Restroom ID (Title 24)	Men	
BN51	2.02S		Restroom ID (Title 24)	Women	
BN60	1.01S		Room ID	S108 Electrical Room	
BN60	1.02S		Room ID	S101 Concessions	
BN60	1.03S		Room ID	S101 Concessions	
BN60	1.04S		Room ID	S100 Ticket Office	
BN60	2.01S		Room ID	S201 Press Box	
BN80	1.01S		Stair ID	Stair S2	
BN80	1.02S		Stair ID	Stair S1	
BN81	1.01S		Stairwell ID	Stair S2	
BN81	1.02S		Stairwell ID	Stair S1	
BN81	2.01S		Stairwell ID	Stair S1	
BN81	2.02S		Stairwell ID	Stair S2	
BN83	2.01S		Exit Route ID		
BN83	2.02S		Exit Route ID		
BN90	1.01S		Accessibility Entry Sign		
BN90	2.01S		Accessibility Entry Sign		
BN93	1.01S		No Smoking Sign	No Smoking Allowed within 25 feet of Building	
BN93	1.02S		No Smoking Sign	No Smoking Allowed within 25 feet of Building	

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REVISION DATES:
(DESIGN STAGE ONLY)

BUREAU OF ENGINEERING
CITY OF LOS ANGELES

NO. | REVISIONS: | DATE: | BY:

BUILDING NO. XX/XX

INDEX NO. - RP 300094

BID SET SUBMITTAL

CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS

GARY LEE MOORE, PE, ENV SP CITY ENGINEER
DATE:

ARCHITECTURAL DIVISION

ARCHITECT: ZOLTAN E. PALI, FAIA LIC. NO. C-19741

DESIGNED BY: ZEP
DRAWN BY: AOS
CHECKED BY: SM

APPROVED BY: MAHMOOD KARIMZADEH, A.I.A., PRINCIPAL ARCHITECT

VERTICAL CONTROL:
HORIZONTAL CONTROL:

SHEET TITLE: SIGN MESSAGE SCHEDULE - STADIUM

PROJECT: RANCHO CIENEGA SPORTS COMPLEX

ADDRESS: 5001 RODEO ROAD
LOS ANGELES, CA 90016

BUREAU OF ENGINEERING
OFFICIAL RECORD

WORK ORDER NO. E1907694

PLAN FILE NO.

DRAWING NO. SG113

SHEET OF SHEETS

PLOTTED: ---

SIGN MESSAGE SCHEDULE FOR RCSC - TENNIS

Sign	Callout		Identification	Nomenclature (Messaging)	Notes
BN40			Elevator Directory		
BN41			Elevator Evac Maps		
BN50			Restroom ID		
BN51			Restroom ID (Title 24)		
BN60			Room ID		
BN70			Directional Sign		
BN75			Stair ID		
BN80			Maximum Occupancy		
BN81			Stairwell ID		
BN83			Exit Route ID		
BN87			Exit Only ID		
BN90			Accessibility Entry Sign		
BN93			No Smoking Sign		
BD50			Building Directional		

Sign	Callout		Identification	Nomenclature (Messaging)	Notes
BN50	1.01T		Restroom ID	Women	
BN50	1.02T		Restroom ID	Men	
BN51	1.01T		Restroom ID (Title 24)	Women	
BN51	1.02T		Restroom ID (Title 24)	Men	
BN60	1.01T		Room ID	T200 Tennis Pro Shop	
BN60	1.02T		Room ID	T203 Pro Shop Storage	
BN90	1.01T		Accessibility Entry Sign	ISA Symbol	
BN93	1.01T		No Smoking Sign	No Smoking Allowed within 25 feet of Building	

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TEMPLATE SHEET REVISION DATE: 08/2014
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REVISION DATES (DESIGN STAGE ONLY)

BUREAU OF ENGINEERING
OFFICIAL RECORD

BID SET SUBMITTAL

CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS

VERTICAL CONTROL:
HORIZONTAL CONTROL:

SHEET TITLE: SIGN MESSAGE SCHEDULE - TENNIS

PROJECT: RANCHO CIENEGA SPORTS COMPLEX

ADDRESS: 5001 RODEO ROAD
LOS ANGELES, CA 90016

WORK ORDER NO.
E1907694

PLAN FILE NO.

DRAWING NO.
SG114

SHEET OF SHEETS

PLOTTED: ----

BUREAU OF ENGINEERING

NO. | REVISIONS: | DATE: | BY:

INDEX NO. - RP 300094

BUILDING NO. XX/XX

ENGINEERING
CITY OF LOS ANGELES

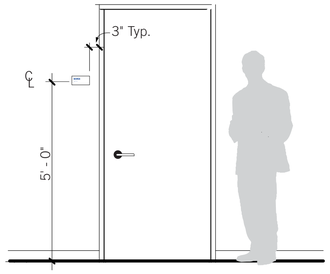
GARY LEE MOORE, PE, ENV SP CITY ENGINEER
DATE:

ARCHITECTURAL DIVISION
LIC. NO. C-19741

ARCHITECT: ZOLTAN E. PALI, FAIA
DESIGNED BY: ZEP
DRAWN BY: AOS
CHECKED BY: SM
APPROVED BY: MAHMOOD KARIMZADEH, A.I.A., PRINCIPAL ARCHITECT

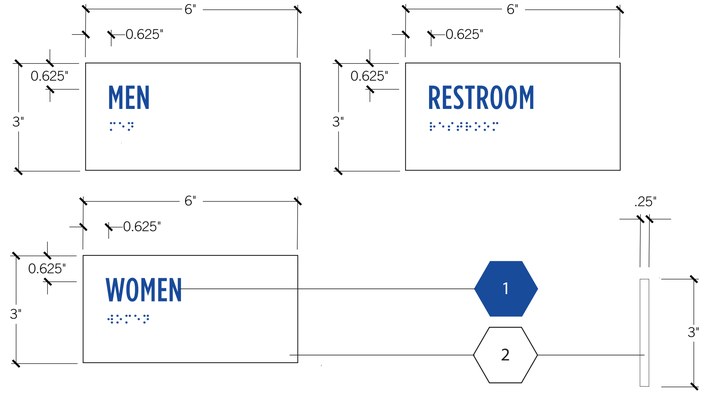
NOTES

- 1 Panel of 1/4" thickness
- Material - Cast Acrylic
- Graphics - 1/32" raised GravoTac or equivalent type with 1/16" balls for Braille, press fit
- Attachment - 3M transfer adhesive + silicone adhesive used between panels and wall attachment
- 100% artwork of all sign graphics will be supplied to fabricator in correct placement in sign panel



Context Elevation

Scale - 1/2" = 1'-0"



Elevation

Scale - 6" = 1'-0"

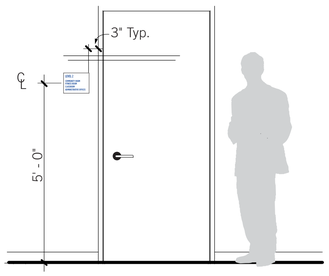
Side View

Scale - 6" = 1'-0"

BN50 - RESTROOM ID

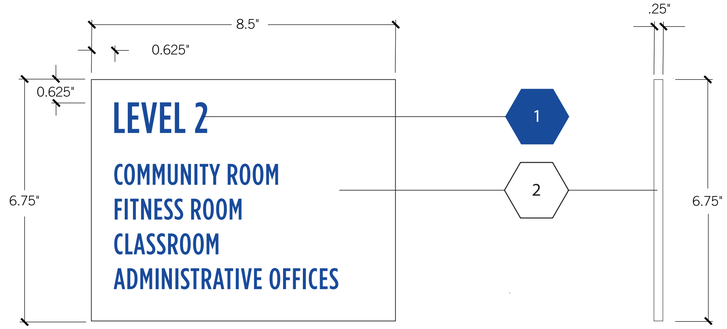
NOTES

- 1 Panel of 1/4" thickness
- Material - Cast Acrylic
- Attachment - 3M transfer adhesive + silicone adhesive used between panels and wall attachment
- 100% artwork of all sign graphics will be supplied to fabricator in correct placement in sign panel



Context Elevation

Scale - 1/2" = 1'-0"



Elevation

Scale - 6" = 1'-0"

Side View

Scale - 6" = 1'-0"

BN40 - ELEVATOR DIRECTORY

BUREAU OF ENGINEERING
OFFICIAL RECORD

BUREAU OF ENGINEERING
ENGINEERING
CITY OF LOS ANGELES

NO. REVISIONS: DATE: BY:

BUILDING NO. XX/XX

INDEX NO. - RP 300094

BID SET SUBMITTAL

CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS

GARY LEE MOORE, PE, ENV SP CITY ENGINEER DATE:

ARCHITECTURAL DIVISION LIC. NO. C-19741

ARCHITECT: ZOLTAN E. PALI, FAIA DESIGNED BY: ZEP

DRAWN BY: AOS CHECKED BY: SM

APPROVED BY: MAHMOOD KARIMZADEH, A.I.A., PRINCIPAL ARCHITECT

VERTICAL CONTROL:

HORIZONTAL CONTROL:

SHEET TITLE: BN40 Elevator Directory / BN50 Restroom ID

PROJECT: RANCHO CIENEGA SPORTS COMPLEX

ADDRESS: 5001 RODEO ROAD LOS ANGELES, CA 90016

WORK ORDER NO. E1907694

PLAN FILE NO.

DRAWING NO. SG115

SHEET OF SHEETS

PLOTTED: ---

REVISION DATES: (DESIGN STAGE ONLY)

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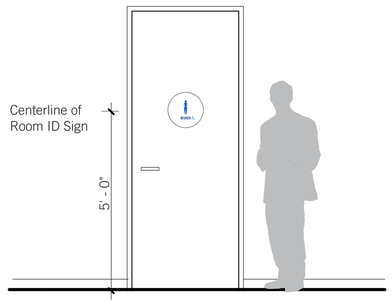
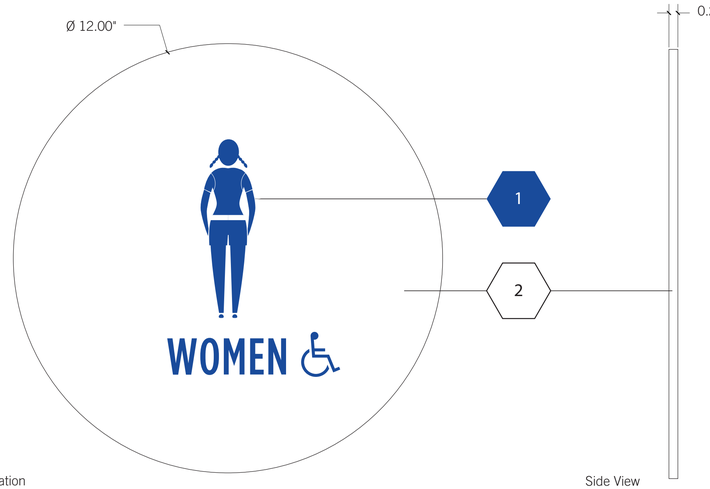
NOTES

- 1 Panel of 1/4" thickness
- Material - Cast Acrylic
- Icon screen printed on painted panel
- Attachment - 3M transfer adhesive + silicone adhesive used between panels and wall attachment
- 100% artwork of all sign graphics will be supplied to fabricator in correct placement in sign panel



Context Elevation
Scale - 1/2" = 1'-0"



Elevation
Scale - 6" = 1'-0"

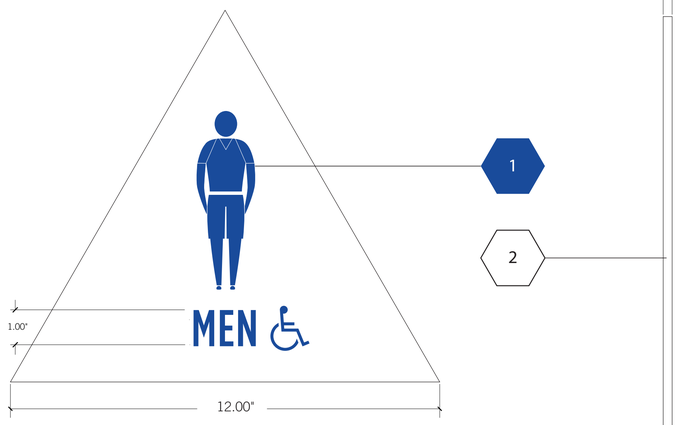
Side View
Scale - 6" = 1'-0"

BN51 - RESTROOM ID (TITLE 24)

NOTES

- 1 Panel of 1/4" thickness
- Material - Cast Acrylic
- Icon screen printed on painted panel
- Attachment - 3M transfer adhesive + silicone adhesive used between panels and wall attachment
- 100% artwork of all sign graphics will be supplied to fabricator in correct placement in sign panel

Context Elevation
Scale - 1/2" = 1'-0"



Elevation
Scale - 6" = 1'-0"

Side View
Scale - 6" = 1'-0"

BN51 - RESTROOM ID (TITLE 24)

BUREAU OF ENGINEERING
OFFICIAL RECORD

BID SET SUBMITTAL

CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS

BUREAU OF ENGINEERING

ENGINEERING
CITY OF LOS ANGELES

NO. REVISIONS: DATE: BY:

BUILDING NO. XX/XX

INDEX NO. - RP 300094

GARY LEE MOORE, PE, ENV SP CITY ENGINEER
ARCHITECTURAL DIVISION
LIC. NO. C-19741
DATE:

ARCHITECT: ZOLTAN E. PALI, FAIA
DESIGNED BY: ZEP
DRAWN BY: AOS
CHECKED BY: SM
APPROVED BY: MAHMOOD KARIMZADEH, A.I.A., PRINCIPAL ARCHITECT

VERTICAL CONTROL:
HORIZONTAL CONTROL:

SHEET TITLE: BN51 RR ID (Title 24) / BN51 RR ID (Title 24)

PROJECT: RANCHO CIENEGA SPORTS COMPLEX

ADDRESS: 5001 RODEO ROAD
LOS ANGELES, CA 90016

WORK ORDER NO. E1907694
PLAN FILE NO.
DRAWING NO. SG116
SHEET OF SHEETS

PLOTTED: —

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REVISION DATES: (DESIGN STAGE ONLY)

TEMPLATE SHEET REVISION DATE: 08/2014
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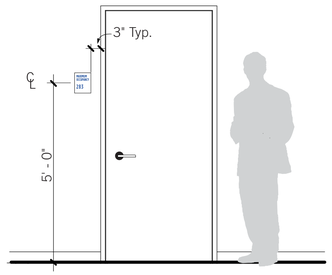
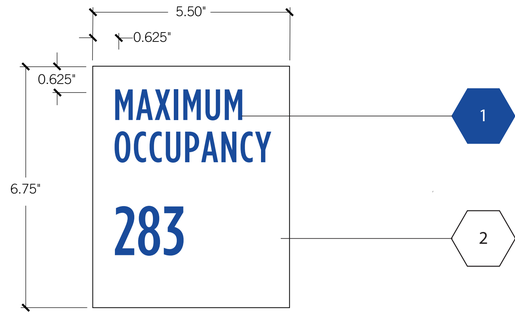
NOTES

- 1 Panel of 1/4" thickness
- Material - Cast Acrylic
- Attachment - 3M transfer adhesive + silicone adhesive used between panels and wall attachment
- 100% artwork of all sign graphics will be supplied to fabricator in correct placement in sign panel



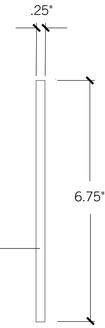
Context Elevation

Scale - 1/2" = 1'-0"



Elevation

Scale - 6" = 1'-0"



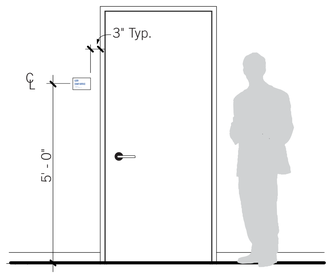
Side View

Scale - 6" = 1'-0"

BN75 - MAXIMUM OCCUPANCY

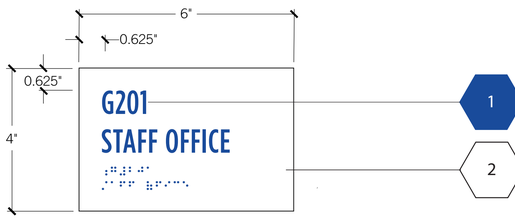
NOTES

- 1 Panel of 1/4" thickness
- Material - Cast Acrylic
- Graphics - 1/32" raised GravoTac or equivalent type with 1/16" balls for Braille, press fit
- Attachment - 3M transfer adhesive + silicone adhesive used between panels and wall attachment
- 100% artwork of all sign graphics will be supplied to fabricator in correct placement in sign panel



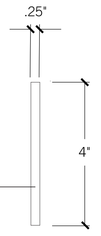
Context Elevation

Scale - 1/2" = 1'-0"



Elevation

Scale - 6" = 1'-0"



Side View

Scale - 6" = 1'-0"

BN60 - ROOM ID

BUREAU OF ENGINEERING
OFFICIAL RECORD

BID SET SUBMITTAL

CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS

BUREAU OF ENGINEERING

ENGINEERING
CITY OF LOS ANGELES

NO. | REVISIONS: | DATE: | BY:

BUILDING NO. XX/XX

RP 300094

INDEX NO. -

GARY LEE MOORE, PE, ENV SP CITY ENGINEER
ARCHITECTURAL DIVISION
LIC. NO. C-19741 DATE:

ARCHITECT: ZOLTAN E. PALI, FAIA
DESIGNED BY: ZEP
DRAWN BY: AOS
CHECKED BY: SM
APPROVED BY: MAHMOOD KARIMZADEH, A.I.A., PRINCIPAL ARCHITECT

VERTICAL CONTROL:
HORIZONTAL CONTROL:

SHEET TITLE: BN60 Room ID / BN75 Maximum Occupancy

PROJECT: RANCHO CIENEGA SPORTS COMPLEX

ADDRESS: 5001 RODEO ROAD
LOS ANGELES, CA 90016

WORK ORDER NO. E1907694

PLAN FILE NO.

DRAWING NO. SG117

SHEET OF SHEETS

PLOTTED: —

REVISION DATES: (DESIGN STAGE ONLY)

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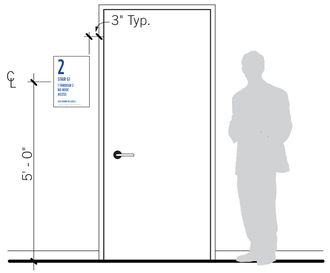
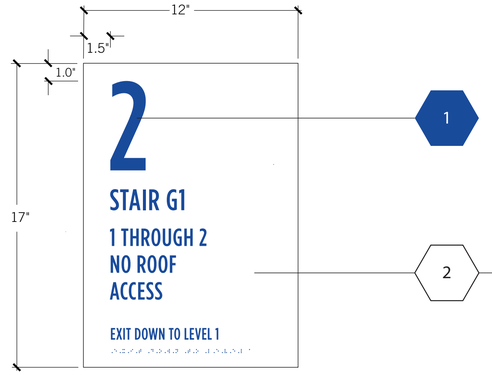
NOTES

- 1 Panel of 1/4" thickness
- Material - Cast Acrylic
- Graphics - 1/32" raised GravoTac or equivalent type with 1/16" balls for Braille, press fit + screen printed icons
- Attachment - 3M transfer adhesive + silicone adhesive used between panels and wall attachment
- 100% artwork of all sign graphics will be supplied to fabricator in correct placement in sign panel



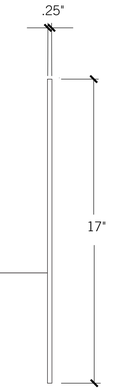
Context Elevation

Scale - 1/2" = 1'-0"



Elevation

Scale - 3" = 1'-0"



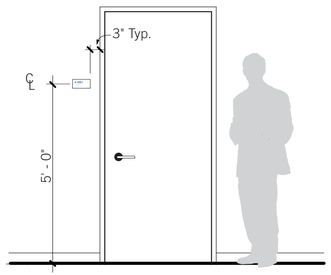
Side View

Scale - 3" = 1'-0"

BN81 - STAIRWELL ID

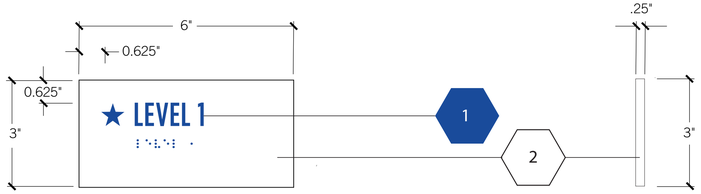
NOTES

- 1 Panel of 1/4" thickness
- Material - Cast Acrylic
- Graphics - 1/32" raised GravoTac or equivalent type with 1/16" balls for Braille, press fit
- Attachment - 3M transfer adhesive + silicone adhesive used between panels and wall attachment
- 100% artwork of all sign graphics will be supplied to fabricator in correct placement in sign panel



Context Elevation

Scale - 1/2" = 1'-0"



Elevation

Scale - 6" = 1'-0"

Side View

Scale - 6" = 1'-0"

BN80 - STAIR ID

BUREAU OF ENGINEERING
OFFICIAL RECORD

BID SET SUBMITTAL

CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS

BUREAU OF ENGINEERING

ENGINEERING
CITY OF LOS ANGELES

NO. REVISIONS: DATE: BY:

BUILDING NO. XX/XX

INDEX NO. - RP 300094

GARY LEE MOORE, PE, ENV SP CITY ENGINEER
ARCHITECTURAL DIVISION
LIC. NO. C-19741 DATE:

ARCHITECT: ZOLTAN E. PALI, FAIA
DESIGNED BY: ZEP
DRAWN BY: AOS
CHECKED BY: SM
APPROVED BY: MAHMOOD KARIMZADEH, A.I.A., PRINCIPAL ARCHITECT

VERTICAL CONTROL:
HORIZONTAL CONTROL:

SHEET TITLE: BN80 Stair ID / BN81 Stairwell ID

PROJECT: RANCHO CIENEGA SPORTS COMPLEX

ADDRESS: 5001 RODEO ROAD
LOS ANGELES, CA 90016

WORK ORDER NO. E1907694

PLAN FILE NO.

DRAWING NO. SG118

SHEET OF SHEETS

PLOTTED: ---

REVISION DATES: (DESIGN STAGE ONLY)

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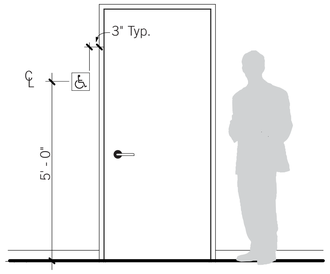
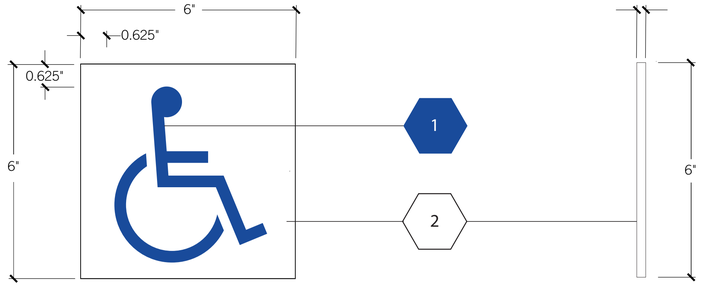
NOTES

- 1 Panel of 1/4" thickness
- Material - Cast Acrylic
- Icon screen printed on painted panel
- Attachment - 3M transfer adhesive + silicone adhesive used between panels and wall attachment
- 100% artwork of all sign graphics will be supplied to fabricator in correct placement in sign panel



Context Elevation

Scale - 1/2" = 1'-0"



Elevation

Scale - 6" = 1'-0"

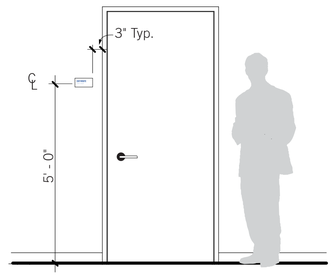
Side View

Scale - 6" = 1'-0"

BN90 - ACCESSIBILITY ENTRY SIGN

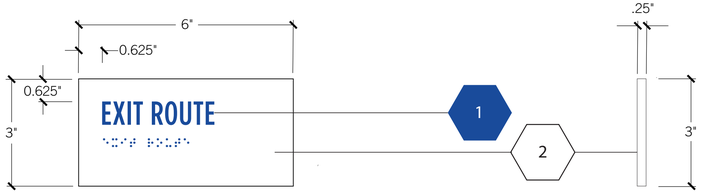
NOTES

- 1 Panel of 1/4" thickness
- Material - Cast Acrylic
- Graphics - 1/32" raised GravoTac or equivalent type with 1/16" balls for Braille, press fit
- Attachment - 3M transfer adhesive + silicone adhesive used between panels and wall attachment
- 100% artwork of all sign graphics will be supplied to fabricator in correct placement in sign panel



Context Elevation

Scale - 1/2" = 1'-0"



Elevation

Scale - 6" = 1'-0"

Side View

Scale - 6" = 1'-0"

BN83 - EXIT ROUTE ID

BID SET SUBMITTAL

CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS

BUREAU OF ENGINEERING

ENGINEERING CITY OF LOS ANGELES

NO. REVISIONS: DATE: BY:

BUILDING NO. XX/XX

INDEX NO. - RP 300094

GARY LEE MOORE, PE, ENV SP CITY ENGINEER
ARCHITECTURAL DIVISION
LIC. NO. C-19741
DATE:

ARCHITECT: ZOLTAN E. PALI, FAIA
DESIGNED BY: ZEP
DRAWN BY: AOS
CHECKED BY: SM
APPROVED BY: MAHMOOD KARIMZADEH, A.I.A., PRINCIPAL ARCHITECT

VERTICAL CONTROL:
HORIZONTAL CONTROL:

SHEET TITLE: BN83 Exit Route ID / BN90 Accessibility Entry Sign

PROJECT: RANCHO CIENEGA SPORTS COMPLEX

ADDRESS: 5001 RODEO ROAD
LOS ANGELES, CA 90016

BUREAU OF ENGINEERING
OFFICIAL RECORD

WORK ORDER NO. E1907694

PLAN FILE NO.

DRAWING NO. SG118

SHEET OF SHEETS

PLOTTED: ---

REVISION DATES: (DESIGN STAGE ONLY)

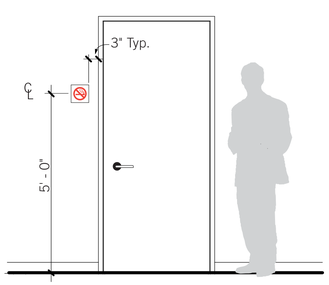
THE CITY OF LOS ANGELES OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF ELECTRONIC COPIES OF THIS PLAN SHEET.

TEMPLATE SHEET REVISION DATE: 08/2014
REVISION DATE: 10/24/2016 5:30 PM FILE: Z:\14-018 RANCHO CIENEGA SPORTS COMPLEX\DRAWINGS\REVITLINKS-AUTOCAD\BOE_TITLEBLOCK_CD_90PERCENT.DWG

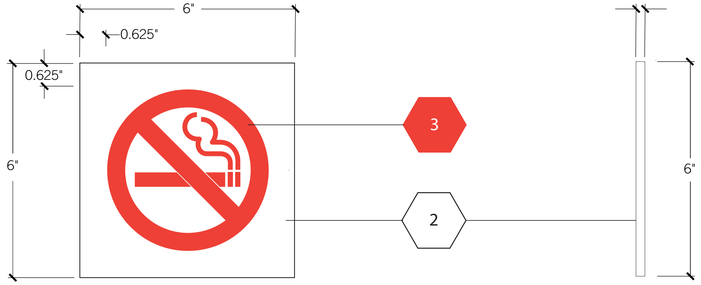
THIS SPACE INTENTIONALLY LEFT BLANK

NOTES

- 1 Panel of 1/4" thickness
- Material - Cast Acrylic
- Icon screen printed on painted panel
- Attachment - 3M transfer adhesive + silicone adhesive used between panels and wall attachment
- 100% artwork of all sign graphics will be supplied to fabricator in correct placement in sign panel



Context Elevation
Scale - 1/2" = 1'-0"



Elevation
Scale - 6" = 1'-0"

Side View
Scale - 6" = 1'-0"

BN93 - NO SMOKING SIGN

BUREAU OF ENGINEERING
OFFICIAL RECORD

BID SET SUBMITTAL

CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS

BUREAU OF ENGINEERING

ENGINEERING
CITY OF LOS ANGELES

NO.	REVISIONS:	DATE:	BY:

BUILDING NO. XX/XX

INDEX NO. - RP 300094

GARY LEE MOORE, PE, ENV SP CITY ENGINEER
DATE:

ARCHITECTURAL DIVISION
LIC. NO. C-19741
ARCHITECT: ZOLTAN E. PALI, FAIA
DESIGNED BY: ZEP
DRAWN BY: AOS
CHECKED BY: SM
APPROVED BY: MAHMOOD KARIMZADEH, A.I.A., PRINCIPAL ARCHITECT

VERTICAL CONTROL:
HORIZONTAL CONTROL:

SHEET TITLE: BN93 No Smoking Sign

PROJECT: RANCHO CIENEGA SPORTS COMPLEX

ADDRESS: 5001 RODEO ROAD
LOS ANGELES, CA 90016

WORK ORDER NO. E1907694

PLAN FILE NO.

DRAWING NO. SG120v

SHEET 442 OF SHEETS 442

PLOTTED: ---

REVISION DATES: (DESIGN STAGE ONLY)

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TEMPLATE SHEET REVISION DATE: 08/2014
REVISION DATE: 10/24/2016 5:30 PM FILE: Z:\14-018 RANCHO CIENEGA SPORTS COMPLEX\DRAWINGS\REVITLINKS-AUTOCAD\BOE_TITLEBLOCK_CD_90PERCENT.DWG

ADOPTED BY THE BOARD
PUBLIC WORKS OF THE CITY
of Los Angeles California

AUG 14 2015

Executive Officer
Board of Public Works

Department of Public Works

Bureau of Engineering
Bureau of Contract Administration
Joint Report No. 1

August 14, 2015
CD Nos. ALL

REQUEST FOR AUTHORITY TO APPROVE THE MUNICIPAL FACILITIES AND RELATED PROJECTS PRE-QUALIFIED CONTRACTORS LIST (PQCL) - WORK ORDER NO. EXX01006

RECOMMENDATIONS

1. Approve the following Contractors for the Municipal Facilities PQCL:

    1. Balfour Beatty Construction, LLC
    2. Construct 1 One, Corp.
    3. Ford E.C., Inc.
    4. PCL Construction Services, Inc.
    5. Pinner Construction Co., Inc.
    6. S.J. Amoroso Construction Co., Inc.
    7. T.B. Penick & Sons, Inc.
    8. Walsh Construction Company

2. Authorize the City Engineer to use the Municipal Facilities PQCL for a term of five years for the construction of Municipal Facilities and Related Projects.

TRANSMITTALS

1. Copy of the Bureaus of Engineering (BOE) and Contract Administration (BCA) Joint Report No. 1, adopted on September 26, 2014, authorizing the advertisement of the Request for Qualifications (RFQ).

2. Copy of the RFQ entitled "Municipal Facilities Pre-Qualified Contractors List," released on October 28, 2014.

3. Copy of the list of firms who responded to the RFQ.

4. Copy of the list of potential subcontractors for each of the proposed firms.

DISCUSSION

Background

On September 26, 2014, the Board of Public Works (Board) authorized the City Engineer to advertise and issue a RFQ for a PQCL to perform construction on Municipal Facilities and Related Projects (Transmittal Nos. 1 and 2).

A Notice to Advertise the RFQ was placed in newspapers, with marketing and Architectural/Engineering associations, on websites, as well as presented at the Mayor's Business Outreach and at the Los Angeles Small Business Academy. The RFQ and its attachments were uploaded to the Los Angeles Business Assistance Virtual Network (LABAVN) website where respondents were able to download the RFQ and attachments.

Three hundred eighty-four users downloaded the RFQ from the LABAVN website. Twenty-five firms submitted their Statement of Qualifications (SOQ) on January 14, 2015 (Transmittal No. 3).

Staff from the BOE and the BCA reviewed each SOQ and rated the contractors based on the following criteria set forth in the RFQ:

Criteria	Points
Work Performed for Public, Non-Profit and/or the Private Sector This will include a review of past projects completed for the City, other governmental agencies, non-profits or private entities as a general contractor for the last 10 projects completed of a similar type to those described in the scope of work for this RFQ. In addition to filling out the Contractor Experience Matrix, the contractor must submit a summary sheet for each project, not-to-exceed one page per project, which contains key information to demonstrate the range of work that the firm is capable of performing and must list the contact information for at least one client reference for each project.	30
Record of Past Performance This will include a more detailed review of the most recent 5 of the 10 projects reported in the previous section to review the contractor's performance record of finishing on schedule, level of change orders and requests for information and other similar benchmarks. No submittals are required for this item beyond the Contractor Experience Matrix, however the City may contact project clients or others for additional information and will reference past contractor performance evaluations for past City projects.	35
Payments to Subcontractors and Adherence to Prevailing Wages This will include a review of past records for timely payment to subcontractors, stop notices/liens issued, and adherence to applicable prevailing wage requirements for the same 5 projects evaluated under past performance. No additional submittals are required beyond the Contractor Experience Matrix.	5
Company Safety Record Firms will be scored on their Experience Modification Rate (EMR) and safety record based on the numerical values contained in the Contractor Experience Matrix for the last 5 years, taking into consideration any discussions of company safety in the narrative section of the SOQ. No additional submittals are required. Companies with an EMR greater than one will be failed even if the overall score is 70 or greater.	5
Staff Competency and Overall Company Resources of Prime and Sub-Contractors This will include a review of company resources in relation to equipment, staff trade skills and qualified staff such as superintendents, project managers, schedulers, estimators, and Building Information Modeling managers. It will also consider years of construction experience. This will be expected to be covered in the Contractor Experience Matrix and in the narrative section of the SOQ and supported by the resumes and optional organization charts.	25
Total Possible Points (Minimum of 70 Points Required to Pass)	**100**

Based upon staff review, it was determined that eight Contractors met the requirements of the RFQ and are therefore proposed for the Municipal Facilities PQCL.

Business Inclusion Program (BIP)

On January 12, 2011, the Mayor issued Executive Directive No. 14 which created the BIP. This program provides Minority Business Enterprises (MBE), Women Business Enterprises (WBE), Small Business Enterprises (SBE), Emerging Business Enterprises (EBE), Disabled Veteran Business Enterprises (DVBE), and Other Business Enterprises (OBE) an equal opportunity to compete for and participate in City contracts. Additionally, the BIP requires respondents to perform and document a BIP outreach via the internet utilizing the LABAVN.

The RFQ was advertised with anticipated participation levels of 18 percent MBE, 4 percent WBE, 25 percent SBE, 8 percent EBE, and 3 percent DVBE. Program requirements may be adjusted during the life of the Municipal Facilities PQCL. The BOE will establish the MBE/WBE/SBE/EBE/DVBE anticipated participation levels for each project, depending on its size and complexity.

Each Pre-qualified Contractor has submitted a Schedule A - Potential List of MBE/WBE/SBE/EBE/DVBE/OBE Subcontractors which was compiled into a spreadsheet (Transmittal No. 4) for this Board Report. By listing companies on the Schedule A, the Contractor has obligated itself to solicit bids only from them when bidding on specific projects. The Bidder's list of subcontractors must be generated from their Schedule A, as well as from those subcontractors that may be added, upon the BCA's approval, during the life of the Municipal Facilities PQCL. Any bid submitted by a Pre-qualified Contractor that includes a subcontractor that is not on its current approved Schedule A, may be deemed non-responsive.

The BCA has verified the Schedule A subcontractors' certifications as of the time of review of this Board Report. Prior to the award of a contract for a specific project bid under the Municipal Facilities PQCL, the BCA will verify the eligibility and certification status of the bid-listed subcontractors.

Based on a review by the Office of Contract Compliance (OCC) of the BCA, all eight of the BOE's selected contractors have met the Business Inclusion Outreach Requirements and have been deemed responsive, pending compliance with all other City requirements.

Mandatory Subcontracting Minimum (MSM) and Minimum Prime Participation Levels

For projects bid under the Municipal Facilities PQCL, bidders will generally be required to subcontract a minimum percentage of the bid amount to qualified subcontractors. The average MSM participation level is anticipated to be 30 percent for each project, subject to size, complexity, and the type of work required. Failure to meet the MSM participation level stated for the individual project may result in the Board determining the bid to be non-responsive.

There will also generally be a minimum Prime Contractor participation level set for each project. The average Prime Contractor participation level for work to be performed with the Prime's own organization is anticipated to be a least 30 percent of the contract price, except for specialty items indicated in the City Engineer's estimate.

Local Business Preference (LBP) Ordinance

The City has implemented the LBP Ordinance that shall be included with the Bid documents for each Municipal Facilities or Related Project. Contractors shall adhere to the language of the Ordinance when bidding on projects issued using the Municipal Facilities PQCL.

Equal Employment Opportunities (EEO) Enforcement Requirements

Contractors are required to comply with the following City EEO Ordinances:

Non-Discrimination/Equal Employment Practices;

1. Affirmative Action.
2. Equal Benefits Ordinance.
3. Slaver Disclosure Ordinance.

Project Labor Agreement

Projects awarded under the Municipal Facilities Program may be subject to the Department of Public Works Project Labor Agreement.

City Engineer's Recommendation

The BOE requests that the Board approve the proposed Municipal Facilities PQCL and authorize its use for a term of five years for the construction of Municipal Facilities and Related Projects. The City reserves the right to bid projects to the full contracting community, use City construction forces, or use other construction contracts, at its discretion, and not use the Municipal Facilities PQCL. The City Engineer will recommend the preferable contracting method prior to advertising the project.

FISCAL IMPACT STATEMENT

The BOE will ensure that adequate funds are available to cover the costs for work on a specific project prior to advertising the project to the Municipal Facilities PQCL.

Department of Public Works
Bureau of Engineering
Bureau of Contract Administration
Joint Report No. 1

August 14, 2015
Page 5

(ATK RMK JKS DW WFB)

Report reviewed by:

BOE (ADM and PAC)

Report prepared by:

Bond Programs Division

Allan T. Kawaguchi, PE
Division Engineer
Phone No. (213) 485-4687

Compliance Review performed
and approved by:

Hannah Choi

Hannah Choi, Program Manager
Office of Contract Compliance
Bureau of Contract Administration

ATK/06-2015-0102.BPD.gva

Questions regarding this
report may be referred to:
Allan T. Kawaguchi, Program Manager
Phone No. (213) 485-4687
E-mail: Allan.Kawaguchi@lacity.org

Respectfully submitted,

Gary Lee Moore

Gary Lee Moore, PE, ENV SP
City Engineer
Bureau of Engineering

John L. Reamer, Jr.
Inspector of Public Works
Bureau of Contract Administration