IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP. 03-120009 INC: 02
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 12/12/2019

PACIFICA HIGH SCHOOL TRACK & FIELD IMPROVEMENTS - INC. 2

OXNARD UNION HIGH SCHOOL DISTRICT

DSA SUBMITTAL

12/02/19

LICENSED ARCHITECT
JAY R. TITTLE
NO. C-12955
REN. 11-30-21
STATE OF CALIFORNIA

OXNARD UNION HIGH SCHOOL DISTRICT

COVER SHEET

COVER SHEET
G0.1

PACIFICA HIGH SCHOOL TRACK & FIELD IMPROVEMENTS - INC. 2

OXNARD UNION HIGH SCHOOL DISTRICT

APPLICABLE STATE CODES

1. ALL CONSTRUCTION SHALL BE DONE IN ACCORDANCE WITH:

   2016 CALIFORNIA ADMINISTRATIVE CODE, PART 1, TITLE 24 C.C.R.

   2016 CALIFORNIA BUILDING CODE (CBC), PART 2, TITLE 24 C.C.R.
   (2015 INTERNATIONAL BUILDING CODE VOLUMES 1 & 2 AND 2013 CALIFORNIA AMENDMENTS)

   2016 CALIFORNIA ELECTRICAL CODE (CEC), PART 3, TITLE 24 C.C.R.
   (2014 NATIONAL ELECTRICAL CODE AND 2013 CALIFORNIA AMENDMENTS)

   2016 CALIFORNIA MECHANICAL CODE (CMC) PART 4, TITLE 24 C.C.R.
   (2015 UNIFORM MECHANICAL CODE AND 2013 CALIFORNIA AMENDMENTS)

   2016 CALIFORNIA PLUMBING CODE (CPC), PART 5, TITLE 24 C.C.R.
   (2015 UNIFORM PLUMBING CODE AND 2013 CALIFORNIA AMENDMENTS)

   2016 CALIFORNIA ENERGY CODE (CEC), PART 6, TITLE 24 C.C.R.

   2016 CALIFORNIA FIRE CODE, PART 9, TITLE 24 C.C.R.
   (2015 INTERNATIONAL FIRE CODE AND 2013 CALIFORNIA AMENDMENTS)

   2016 CALIFORNIA GREEN BUILDING STANDARDS CODE (CALGREEN), Part 11, Title 24 C.C.R.

   2016 CALIFORNIA REFERENCED STANDARDS, PART 12, TITLE 24 C.C.R.

   TITLE 19 C.C.R., PUBLIC SAFETY, STATE FIRE MARSHAL REGULATIONS

2. ALL WORK AND MATERIALS SHALL BE IN FULL ACCORDANCE WITH THE REQUIREMENTS OF THESE CODES AND ALL APPLICABLE LOCAL ORDINANCES. WHERE CONTRACT DOCUMENTS EXCEED SUCH REQUIREMENTS, WITHOUT VIOLATING SUCH CODES, REGULATIONS AND ORDINANCES, CONTRACT DOCUMENTS TAKE PRECEDENCE. WHERE CODES CONFLICT, THE MORE STRINGENT SHALL APPLY.

3. THE PROVISIONS OF 2016 CFC CHAPTER 11 AND 2016 CBC CHAPTER 33 SHALL BE ENFORCED ON THIS PROJECT.

4. A DSA ACCEPTED TESTING LABORATORY DIRECTLY EMPLOYED BY THE DISTRICT (OWNER) SHALL CONDUCT ALL THE REQUIRED TESTS AND INSPECTIONS FOR THE PROJECT.

5. GRADING PLANS, DRAINAGE IMPROVEMENTS, ROAD AND ACCESS REQUIREMENTS AND ENVIRONMENTAL HEALTH CONSIDERATIONS SHALL COMPLY WITH ALL LOCAL ORDINANCES.

PARTIAL LIST OF APPLICABLE STANDARDS

NFPA 20	STATIONARY PUMPS	2007 EDITION
NFPA 24	PRIVATE FIRE MAINS (CA AMENDED)	2016 EDITION
NFPA 72	NATIONAL FIRE ALARM CODE (CA AMENDED)	2016 EDITION
NFPA 80	FIRE DOOR AND OTHER OPENING PROTECTIVES	2016 EDITION

REFERENCE CODE SECTION FOR NFPA STANDARDS - 2016 CBC (SFM) CHAPTER 35
SEE CHAPTER 35 FOR STATE OF CALIFORNIA AMENDMENTS TO NFPA STANDARDS

PROJECT INSPECTOR

A DIVISION OF THE STATE ARCHITECT (DSA) CERTIFIED PROJECT INSPECTOR EMPLOYED BY THE DISTRICT AND APPROVED BY DSA SHALL PROVIDE CONTINUOUS INSPECTION OF THE WORK.

DUTIES AND REQUIRED IOR CLASSIFICATION PER SECTION 4-342, TITLE 24, PART 1 CCR AND IR A-7: CLASS 1 INSPECTOR CERTIFIED BY DSA.

A DSA ACCEPTED TESTING LABORATORY DIRECTLY EMPLOYED BY THE DISTRICT SHALL CONDUCT ALL THE REQUIRED TESTS AND INSPECTIONS FOR THE PROJECT.

SCOPE OF WORK

INCREMENT 1:

WORK UNDER THIS CONTRACT INCLUDES THE FOLLOWING ITEMS SHOWN ON THE DRAWINGS AND AS SPECIFIED IN THE PROJECT MANUAL, INCLUDING:
1. DEMOLITION OF CERTAIN EXISTING FIELD COMPONENTS;
2. INSTALLATION OF NEW SYNTHETIC TURF FIELD;
3. INSTALLATION OF NEW HIGH JUMP FACILITY;
4. INSTALLATION OF TWO (2) NEW LONG JUMP RUNWAYS;
5. INSTALLATION OF NEW FIELD SCOREBOARD PER PC #04-116017;
6. MINOR UPGRADE TO RESTROOMS IN EXISTING BUILDING 'L';
7. UPGRADE OF EXISTING ADA PARKING STALLS AT PARKING LOT SERVING TRACK AND FIELD AREA; AND
8. REMOVAL OF EXISTING RELOCATABLE BUILDING 'O'.

INCREMENT 2:

WORK UNDER THIS CONTRACT SHALL INCLUDE THE FOLLOWING ITEMS:
1. CONSTRUCTION OF TWO (2) GATEWAY STRUCTURES WITH TICKET BOOTHS (1 @ 69 SF; 1 @ 50 SF);
2. UPGRADE OF EXISTING STADIUM LIGHTING;
3. INSTALLATION OF NEW DISCUS AND SHOTPUT FACILITIES;
4. MODERNIZATION OF EXISTING FIELD BUILDING TEAM ROOM;
5. REPAIR OF EXISTING BASEBALL FIELD DRAINAGE AND UPGRADE OF EXISTING UNDERGROUND UTILITY LINES AS NEEDED; AND,
6. CONSTRUCTION OF NEW CHAINLINK VEHICLE GATE ADJACENT TO GATEWAY STRUCTURE ENTRY #1.

PROJECT DIRECTORY

PROJECT

PACIFICA HIGH SCHOOL TRACK & FIELD IMPROVEMENT, INCREMENT 2
600 E. GONZALEZ RD.
OXNARD, CA 93036

OWNER

OXNARD UNION HIGH SCHOOL DISTRICT
309 S. "K" STREET
OXNARD, CA 93030
(805) 385-2500

ARCHITECT

LITTLE
1300 DOVE STREET, SUITE 100
NEWPORT BEACH, CA 92660
(949) 698-1400
(949) 698-1433 (FAX)

CIVIL

LITTLE
1300 DOVE STREET, SUITE 100
NEWPORT BEACH, CA 92660
(949) 698-1400
(949) 698-1433 (FAX)

STRUCTURAL

LITTLE
1300 DOVE STREET, SUITE 100
NEWPORT BEACH, CA 92660
(949) 698-1400
(949) 698-1433 (FAX)

ELECTRICAL

ENGINEOUS GROUP INC.
751 N FAIROAKS AVENUE, SUITE 201
PASADENA, CA 91103
(626) 696-3850
(626) 714-7512 (FAX)

STADIUM LIGHTING

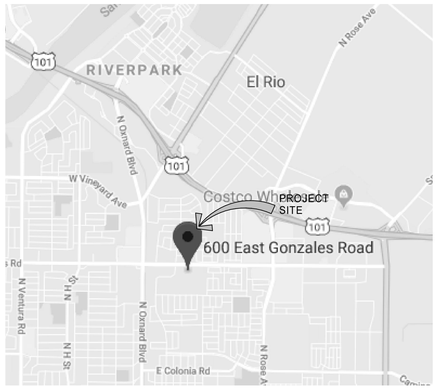
MUSCO LIGHTING
100 1ST AVENUE WEST,
OSKALOOSA, IO 52577
(800) 825-6020

DSA REQUIREMENTS

CHANGES TO THE APPROVED DRAWINGS AND SPECIFICATIONS SHALL BE MADE BY AN ADDENDUM OR A CONSTRUCTION CHANGE DOCUMENT (CCD) APPROVED BY THE DVISION OF THE STATE ARCHITECT (DSA), AS REQUIRED BY SEC. 4-338, PART 1, TITLE 24, CCR.

THE INTENT OF THESE DRAWINGS AND SPECIFICATIONS IS THAT THE WORK OF THE ALTERATION, REHABILITATION OR RECONSTRUCTION IS TO BE IN ACCORDANCE WITH TITLE 24, CCR. SHOULD ANY EXISTING CONDITIONS SUCH AS DETERIORATION OR NON-COMPLYING CONSTRUCTION BE DISCOVERED WHICH IS NOT COVERED BY THE CONTRACT DOCUMENTS WHEREIN THE FINISHED WORK WILL NOT COMPLY WITH TITLE 24, CCR, A CONSTRUCTION CHANGE DOCUMENT (CCD) , OR A SEPARATE SET OF PLANS AND SPECIFICATIONS, DETAILING AND SPECIFYING THE REQUIRED WORK SHALL BE SUBMITTED TO AND APPROVED BY DSA BEFORE PROCEEDING WITH THE WORK. [SEC. 4-317(c), PART 1, TITLE 24, CCR]

VICINITY MAP NOT TO SCALE



STATEMENT OF GENERAL CONFORMANCE

FOR ARCHITECTS/ENGINEERS WHO UTILIZE PLANS,
INCLUDING BUT NOT LIMITED TO SHOP DRAWINGS, PREPARED BY OTHER
LICENSED DESIGN PROFESSIONALS AND/OR CONSULTANTS

The drawings or sheets listed on the sheet index under:
'MUSCO STADIUM LIGHTING'

have been prepared by other design professionals or consultants who are licensed and/or authorized to prepare such drawings in this state. It has been examined by me for:

1) design intent and appears to meet the appropriate requirements of Title 24, California Code of Regulations and the project specifications prepared by me, and

2) coordination with my plans and is acceptable for incorporation into the construction of this project.

The Statement of General Conformance "shall not be construed as relieving me of my rights, duties, and responsibilities under Sections 17302 and 81138 of the Education Code and Sections 4-336, 4-341 and 4-344" of Title 24, Part 1. (Title 24, Part 1, Section 4-317 (b))

I certify that all drawings listed on the sheet index under:
'MUSCO STADIUM LIGHTING'

are in general conformance with the project design, and have been coordinated with the project plans.

Signature — 12-02-19 Date

Architect or Engineer designated to be in responsible charge

JAY R. TITTLE, AIA
Print Name

C 12955 — 11-30-21
License Number — Expiration Date

SHEET INDEX

INCREMENT 1 - NOT PART OF THIS SUBMITTAL

GENERAL
G0.0.1 COVER SHEET
G0.1.1 TITLE SHEET / SHEET INDEX
G2.0.1 FIRE ACCESS SITE PLAN

CIVIL
C1.0 COVER SHEET - NOTES & INDEX MAP
C1.1 DETAILS
C2.0 DEMOLITION PLAN
C3.0 CONSTRUCTION PLAN
C3.1 CONSTRUCTION PLAN
C3.2 CONSTRUCTION PLAN
C4.0 GRADING PLAN
C4.1 GRADING PLAN
C4.2 GRADING PLAN
C5.0 STORM DRAIN PLAN
C5.1 STORM DRAIN PLAN
C5.2 STORM DRAIN PLAN
C6.0 EROSION CONTROL PLAN

LANDSCAPE
L1.0 IRRIGATION PLAN
L2.0 IRRIGATION DETAILS

ARCHITECTURAL
A0.1.1 SYMBOLS / ABBREVIATIONS
A1.0.1 OVERALL SITE PLAN
A1.0.2 SITE KEY PLAN
A1.1.1 ENLARGED SITE PLAN
A1.1.2 ENLARGED SITE PLANS, BUILDING L FLOOR PLAN
A1.3.1 TRACK AND FIELD STRIPING DETAILS
A1.3.2 TRACK AND FIELD DETAILS, SITE DETAILS, BUILDING L DETAILS

ELECTRICAL
E-000 SYMBOLS AND NOTES
E-100 OVERALL ELECTRICAL SITE PLAN
E-200 ENLARGED ELECTRICAL SITE PLAN

FIELD SCOREBOARD PER PC#04-116017
1 PC-2 TITLE PAGE
2 PC SIGN MOUNTING DETAILS 1
6 PC-2 25'-0" WIDE ELEVATION 110

GRAND TOTAL: 31

INCREMENT 2

GENERAL
G0.1 COVER SHEET
G1.1 TITLE SHEET / SHEET INDEX
G1.2 CODE ANALYSIS
G2.1 FIRE ACCESS SITE PLAN

CIVIL
C1.0 COVER SHEET - NOTES & INDEX MAP
C1.1 NOTES & DETAILS
C2.0 DEMOLITION PLAN
C2.1 DEMOLITION PLAN
C3.0 CONSTRUCTION PLAN
C3.1 CONSTRUCTION PLAN
C4.0 GRADING & STORM DRAIN PLAN
C4.1 GRADING & STORM DRAIN PLAN
C4.2 GRADING & STORM DRAIN PLAN
C5.0 EROSION CONTROL PLAN

LANDSCAPE
L1.0 IRRIGATION PLAN - MAINLINE ROUTING

ARCHITECTURAL
A0.1 GENERAL NOTES
A0.2 SYMBOLS / ABBREVIATIONS
A1.1 OVERALL SITE PLAN
A1.1A SITE KEY PLAN
A1.2 ENLARGED SITE PLAN
A1.3 ENLARGED SITE PLAN - HOME GATEWAY
A1.4 ENLARGED SITE PLAN -GATEWAY 2
A1.5 SITE DETAILS
A1.6 SITE DETAILS
A2.1 BUILDING K PLANS
A5.1 ROOF PLANS
A6.1 EXTERIOR ELEVATIONS
A6.2 BUILDING SECTIONS
A6.3 WALL SECTIONS
A7.1 INTERIOR ELEVATIONS
A8.1 FINISH SCHEDULE, DOOR SCHEDULE, DOOR & WINDOW TYPES, DETAILS
A9.1 ASSEMBLY TYPES, SIGNAGE AND INTERIOR DETAILS
A9.2 EXTERIOR DETAILS

STRUCTURAL
S0.1 GENERAL NOTES
S1.1 OVERALL SITE PLAN
S1.2 GATEWAY PLANS AND ELEVATIONS -HOME GATEWAY
S1.3 GATEWAY PLANS AND ELEVATIONS -GATEWAY #2
S2.1 FOUNDATION DETAILS
S3.1 FRAMING DETAILS
S4.1 MASONRY DETAILS

ELECTRICAL
E-001 SYMBOLS, NOTES AND LIGHTING FIXTURE SCHEDULE
E-002 TITLE 24 EXTERIOR LIGHTING FORMS
E-202 NEW GATEWAYS LIGHTING AND POWER PLANS
E-203 NEW GATEWAYS 1 & 2 FIRE ALARM PLANS

MUSCO STADIUM LIGHTING
MT1 NOTES, FOUNDATION DETAIL
MS1 POLE DETAIL
MS2 POLE DETAIL
MD1 ATTACHMENT DETAILS
MD2 ATTACHMENT DETAILS
MD3 ATTACHMENT DETAILS
GRAND TOTAL: 50

AGENCY REVIEW

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DIVERSIFIED ARCHITECTURAL CONSULTING
1300 Dove Street, Suite 100
Newport Beach, CA. 92660
T: 949.698.1400
www.littleonline.com

CLIENT NAME
OXNARD UNION HIGH SCHOOL DISTRICT

PROJECT NAME
PACIFICA HIGH SCHOOL TRACK & FIELD IMPROVEMENTS - INC. 2
600 E. GONZALES RD, OXNARD, CA. 93036

CONSULTANT

SEAL
LICENSED ARCHITECT JAY R. TITTLE NO. C 12955 REN. 11-30-21 STATE OF CALIFORNIA

ISSUE FOR
DSA SUBMITTAL

ISSUE DATE
12/02/19

REVISIONS

NO.	REASON	DATE

PROJECT TEAM
PRINCIPAL IN CHARGE
JT
PROJECT MANAGER
LEB
DESIGN TEAM
FM/ RG/ JR/ CL/ TA

PROJECT NAME
PACIFICA HIGH SCHOOL
TRACK & FIELD
IMPROVEMENTS - INC. 2

PROJECT NO.
612-123-5303

SHEET TITLE
TITLE SHEET / SHEET INDEX

SHEET NUMBER
G1.1

C:\Users\famaz.mahjoob\Documents\6121235303 OXNARD UHSD - PACIFICA HIGH SCHOOL TRACK & FIELD IMPROVEMENTS-INC 2 - CENTRAL18_famaz.mahjoob.rvt
12/1/2019 9:28:41 PM

OCCUPANCY AND EGRESS TABLE

EXIT REQUIREMENTS AND TRAVEL DISTANCE

FLOOR, ROOM OR SPACE DESIGNATION	OCCUPANCY TYPE	MINIMUM NUMBER OF EXITS		EXIT ACCESS TRAVEL DISTANCE		COMMON PATH OF EGRESS TRAVEL	
		REQUIRED PER TABLE 1006.2.1	SHOWN IN PLAN	MAXIMUM PER TABLE 1017.2	SHOWN IN PLAN	MAXIMUM PER TABLES 1006.2.1 & 1006.3.2(2)	SHOWN IN PLAN
HOME GATEWAY TICKET BOOTH	B	1	1	200' - 0"	12' - 6"	100' - 0"	12' - 6"
GATEWAY 2 TICKET BOOTH	B	1	1	200' - 0"	11' - 2"	100' - 0"	11' - 2"
(E) TEAM LOCKER ROOM	E	1	1	200' - 0"	53' - 4"	75' - 0"	53' - 4"

FIRE-RESISTANCE RATING REQUIREMENTS

FIRE-RESISTANCE RATING REQUIREMENTS FOR HOME GATEWAY AND GATEWAY 2[1]

BUILDING ELEMENT FOR TYPE V-B		REQUIRED	PROVIDED
PRIMARY STRUCTURAL FRAME		0	1
BEARING WALLS	EXTERIOR	0	1
	INTERIOR	0	N/A
NONBEARING WALLS AND PARTITIONS	EXTERIOR	SEE BELOW	0
	INTERIOR	0	N/A
FLOOR CONSTRUCTION AND SECONDARY MEMBERS		0	1
ROOF CONSTRUCTION AND SECONDARY MEMBERS		0	0

[1]PER 2016 CBC TABLE 601.

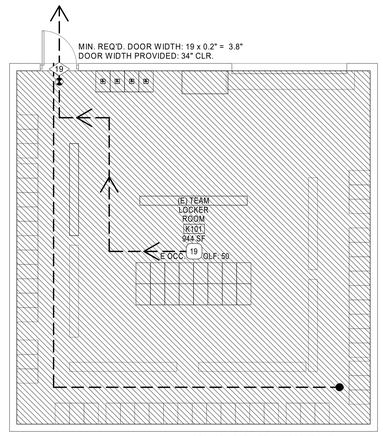
FIRE-RESISTANCE RATING REQUIREMENTS FOR (E) BUILDING K[1]

BUILDING ELEMENT FOR TYPE II-B		REQUIRED	PROVIDED
PRIMARY STRUCTURAL FRAME		0	1
BEARING WALLS	EXTERIOR	0	1
	INTERIOR	0	N/A
NONBEARING WALLS AND PARTITIONS	EXTERIOR	SEE BELOW	0
	INTERIOR	0	N/A
FLOOR CONSTRUCTION AND SECONDARY MEMBERS		0	1
ROOF CONSTRUCTION AND SECONDARY MEMBERS		0	0

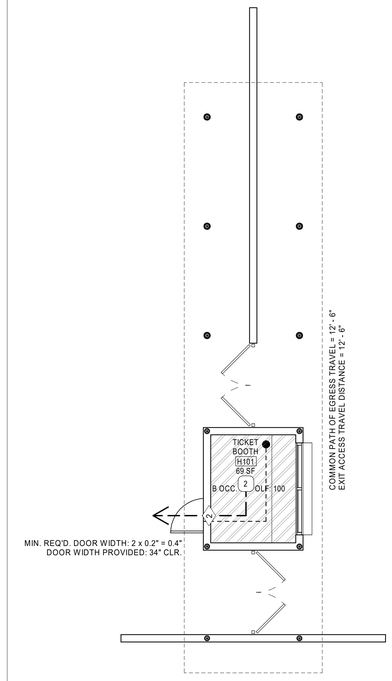
FIRE-RESISTANCE RATING FOR EXTERIOR WALLS BASED ON FIRE SEPARATION DISTANCE[2]

FIRE SEPARATION DISTANCE (FEET)	REQUIRED	PROVIDED
X < 5	1	N/A
5 ≤ X < 10	1	N/A
10 ≤ X < 30	0	0
X ≥ 30	0	0

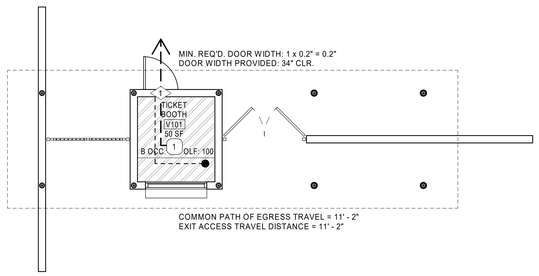
[2]PER 2016 CBC TABLE 602 FOR TYPE II-B AND V-B CONSTRUCTION, OCCUPANCY GROUPS B AND E.



(E) BUILDING K OCCUPANCY AND EGRESS ANALYSIS 3
3/16" = 1'-0" G1.2



HOME GATEWAY OCCUPANCY AND EGRESS ANALYSIS 1
3/16" = 1'-0" G1.2



GATEWAY 2 OCCUPANCY AND EGRESS ANALYSIS 2
3/16" = 1'-0" G1.2

BUILDING INFORMATION

(N) HOME GATEWAY w/ TICKET BOOTH:

OCCUPANCY: B
TYPE OF CONSTRUCTION: V-B

FIRE SPRINKLER: NO

BUILDING HEIGHT:
HEIGHT IN FEET ABOVE GRADE PLANE:
ALLOWABLE: 40' - 0" (PER 2016 CBC TABLE 504.3, FOR TYPE V-B, B OCC., NS)
ACTUAL: 12' - 6" (< 40' - 0" = COMPLIANT)

NUMBER OF STORIES ABOVE GRADE PLANE:
ALLOWABLE: 2 STORIES (PER 2016 CBC TABLE 504.4, TYPE V-B, B OCC., NS)
ACTUAL: 1 (COMPLIANT)

BUILDING AREA:
ALLOWABLE: 9,000 SF (PER 2016 CBC TABLE 506.2 FOR TYPE V-B, B OCC.,NS)
ACTUAL: 69 SF (COMPLIANT)

(N) GATEWAY 2 w/ TICKET BOOTH:

OCCUPANCY: B
TYPE OF CONSTRUCTION: V-B

FIRE SPRINKLER: NO

BUILDING HEIGHT:
HEIGHT IN FEET ABOVE GRADE PLANE:
ALLOWABLE: 40' - 0" (PER 2016 CBC TABLE 504.3, FOR TYPE V-B, B OCC., NS)
ACTUAL: 10' - 10" (< 40' - 0" = COMPLIANT)

NUMBER OF STORIES ABOVE GRADE PLANE:
ALLOWABLE: 2 STORIES (PER 2016 CBC TABLE 504.4, TYPE V-B, B OCC., NS)
ACTUAL: 1 (COMPLIANT)

BUILDING AREA:
ALLOWABLE: 9,000 SF (PER 2016 CBC TABLE 506.2 FOR TYPE V-B, B OCC.,NS)
ACTUAL: 50 SF (COMPLIANT)

(E) BUILDING K:

OCCUPANCY: E
TYPE OF CONSTRUCTION: II-B

FIRE SPRINKLER: NO

BUILDING HEIGHT:
HEIGHT IN FEET ABOVE GRADE PLANE:
ALLOWABLE: 55' - 0" (PER 2016 CBC TABLE 504.3, FOR TYPE II-B, E OCC., NS)
ACTUAL: 14' - 8" (< 55' - 0" = COMPLIANT)

NUMBER OF STORIES ABOVE GRADE PLANE:
ALLOWABLE: 2 STORIES (PER 2016 CBC TABLE 504.4, TYPE II-B, E OCC., NS)
ACTUAL: 1 (COMPLIANT)

BUILDING AREA:
ALLOWABLE: 14,500 SF (PER 2016 CBC TABLE 506.2 FOR TYPE II-B, E OCC.,NS)
ACTUAL: 944 SF (COMPLIANT)

EGRESS ANALYSIS LEGEND

- E OCCUPANCY
- B OCCUPANCY
- X — ROOM OCCUPANCY LOAD
- X — EXITING OCCUPANTS
- PATH OF EXIT ACCESS TRAVEL (ARROW INDICATES DIRECTION)
- COMMON PATH OF EGRESS TRAVEL
- EXIT SIGN

DSA CERTIFICATIONS

DSA A#	STATUS
03-100370	CERTIFICATION AND CLOSE OF FILE, LETTER TYPE #1, 11/28/2006
03-108982	CERTIFICATION AND CLOSE OF FILE, LETTER TYPE #1, 12/24/2008
03-109867	CERTIFICATION AND CLOSE OF FILE, LETTER TYPE #1, 06/08/2015
03-110855	CERTIFICATION AND CLOSE OF FILE, LETTER TYPE #1, 10/15/2008
03-113009	CERTIFICATION AND CLOSE OF FILE, LETTER TYPE #1, 11/18/2013
03-113797	CERTIFICATION AND CLOSE OF FILE, LETTER TYPE #1, 12/20/2012

AGENCY REVIEW

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CONSULTANT

SEAL
LICENSED ARCHITECT
KAY R. TITTLE
No. C-27005
RENEWAL 08/31
STATE OF CALIFORNIA

ISSUE FOR
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REVISIONS

NO.	REASON	DATE

PROJECT TEAM
PRINCIPAL IN CHARGE
JT
PROJECT MANAGER
LEB
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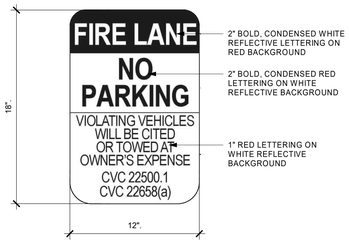
PROJECT NAME
PACIFICA HIGH SCHOOL
TRACK & FIELD
IMPROVEMENTS - INC. 2

PROJECT NO.
612-123-5303

SHEET TITLE
CODE ANALYSIS

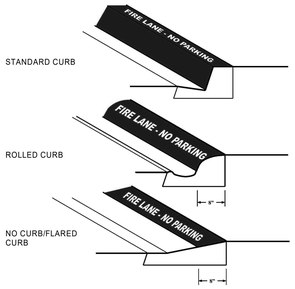
SHEET NUMBER
G1.2



NOTES:

1. ALL SIGN AND LETTERING DIMENSIONS SHOWN ARE MINIMUMS.
2. SIGNS SHALL BE SECURELY MOUNTED FACING THE DIRECTION OF TRAVEL AND CLEARLY VISIBLE TO ONCOMING TRAFFIC ENTERING THE DESIGNATED AREA. SIGNS SHALL BE MADE OF DURABLE MATERIAL AND INSTALLED PER CFC TABLE A-111-AA-1 MINIMUM REQUIREMENT.

FIRE LANE NO PARKING SIGN | 4
NOT TO SCALE | G2.1



NOTES:

1. FIRE LANE ENTRANCE SIGN IS SHALL BE PROVIDED PER DETAIL 3/G2.1
2. CURBS SHALL BE PAINTED OSHA SAFETY RED.
3. "FIRE LANE - NO PARKING" SHALL BE PAINTED ON TOP OF CURB IN 3" WHITE LETTERS AT 30' O.C. MAX.

FIRE LANE IDENTIFICATION - RED CURBS | 2
NOT TO SCALE | G2.1

PERMIT NO.

CITY OF OXNARD FIREFLOW TEST DATA

RETURN COMPLETED FORM TO: BUILDING AND ENGINEERING DIVISION
NOTE: THIS FORM MUST BE SIGNED BY THE REGISTERED PROFESSIONAL (I.E., RCE OR C-16 CONTRACTOR) HAVING RESPONSIBILITY FOR THE TEST

BUILDING AND ENGINEERING DIVISION
214 S. C STREET
OXNARD, CA 93030

LOCATIONS OF HYDRANTS: 600 E. Gonzales Rd.
PROJECT: Pacifica High School — ADDRESS: 600 E. Gonzales Road
DEVELOPER: Oxnard Union High School District
INSPECTOR: Bobby Castaneda — OBSERVERS: — FIRM: City of Oxnard
ENGINEER/CONTRACTOR: Service-Pro Fire Protection, Inc. — LIC NO./TYPE: 817889 / C-16
FAX: 805-487-2975
PHONE: 805-487-1477

TEST NO.	LOCATION	TIME DATE	TIME	DAY	C	DIA. (IN)	PRESSURES (psi) STATIC	PITOT	RESID-UAL	FLOW RATES (gpm) OBSER-VED	ACTUAL AT 20 psi
Flow 1	Gauge Hydrant #1 H3 Flow Hydrant #2 H3	09.11.19	10 a.m	Wed.			64 psi	37 psi	61 psi	667 gpm	2,844 gpm
Flow 2	Gauge Hydrant #1 H4 Flow Hydrant #2 H4	09.11.19	10 a.m	Wed.			64 psi	37 psi	61 psi	667 gpm	2,844 gpm
Flow 3	Gauge Hydrant #1 H5 Flow Hydrant #2 H5	09.11.19	10 a.m	Wed.			64 psi	31 psi	61 psi	611 gpm	2,605 gpm

(1) 1 3/4" pitotless nozzle flowing to open atmosphere.

The formula used to compute the discharge, Q in gpm from these measurements is:

$$Q = 29.83 c d^2 (p)^{1/2}$$

where
c = is the coefficient of discharge
d = the diameter of the outlet in inches
p = the velocity pressure in psi.

If flow tubes (stream straighteners) are being utilized a "c" of 0.95 is suggested unless the coefficient of the device is known.

Outlet square and projecting into barrel	Outlet square and sharp	Outlet smooth and rounded
c = 0.70	c = 0.80	c = 0.90

The formula which is generally used to compute the discharge at the specified residual pressure or for any desired pressure drop is:

$$Q_R = Q_T \times \frac{H_R^{0.54}}{H_T^{0.54}}$$

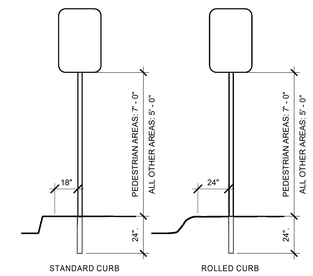
Q_R = flow available at desired residual pressure
Q_T = flow during test
H_R = pressure drop to desired residual pressure
H_T = pressure drop during test

09.11.19
DATE

TESTING & CALCULATIONS CHECKED AND CERTIFIED

SEAL

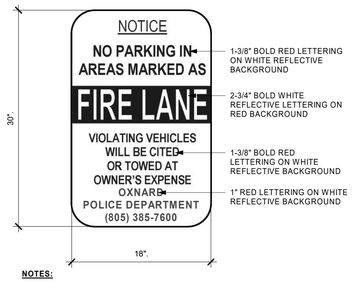
Rev: 11/25/09



NOTES:

1. SIGNS SHALL BE MOUNTED FACING THE DIRECTION OF VEHICULAR TRAVEL.
2. SIGNS MAY BE MOUNTED ON (E) POST OR ON BUILDINGS WHEN THE CENTERLINE OF THE SIGN IS NO MORE THAN 24" FROM THE EDGE OF THE ROADWAY.
3. DEPTH OF BURY SHALL BE A MINIMUM OF 24."

FIRE LANE SIGN MOUNTING | 5
NOT TO SCALE | G2.1



NOTES:

1. ALL SIGN AND LETTERING DIMENSIONS SHOWN ARE MINIMUMS.
2. THIS SIGN SHALL BE POSTED AT ALL VEHICLE ENTRANCES TO AREAS MARKED WITH EITHER RED CURBS OR FIRE LANE "NO PARKING" SIGNS.
3. SIGNS SHALL BE SECURELY MOUNTED FACING THE DIRECTION OF TRAVEL AND CLEARLY VISIBLE TO ONCOMING TRAFFIC ENTERING THE DESIGNATED AREA. SIGNS SHALL BE MADE OF DURABLE MATERIAL AND INSTALLED PER CFC TABLE A-111-AA-1 MINIMUM REQUIREMENT.

FIRE LANE ENTRANCE SIGN | 3
NOT TO SCALE | G2.1

DSA **810**

FIRE & LIFE SAFETY SITE CONDITIONS SUBMITTAL

To facilitate the Division of the State Architect's (DSA) fire and life safety plan review of project site conditions, DSA requires the design professional to provide the following information at time of project submittal for projects consisting of construction of a new campus, construction of new building(s), additions to existing buildings, and for site alternate design means for fire department emergency vehicle access, and fire suppression water supply.

Information associated with compliance items 1–3 below is to be provided for all project types indicated above. Information associated with items 4–7 is to be completed when an alternate means is utilized. Acknowledgement by the school district and signature from the local fire authority (LFA) is only required when an alternate design means is being requested.

Page 1 of the completed form must be imaged onto the fire access site plan. When an alternate design/means is proposed, completed pages 1 and 2 are to be imaged on the fire access site plan.

For additional information refer to the instructions at the end of this form and DSA Policy 09-01.

PROJECT INFORMATION	
School District/Owner:	Oxnard UHSD
Project Name/School:	Pacifica High School
Project Address:	600 E. Gonzales Rd., Oxnard, Ca 93036

FIRE & LIFE SAFETY INFOMATION				
1.	Has a fire hydrant flow test been performed within the past 12 months? *(If yes, provide a copy of the test data.)*	Yes ☒		No ☐
2.	Was the fire hydrant water flow test performed as part of this LFA review?	Yes ☒		No ☐
3.	Is the project located within a designated fire hazard severity zone as established by Cal-Fire? *(If yes, indicate fire hazard zone classification below)*	Yes ☐		No ☒
	Refer to the following for fire hazard zone locations: www.fire.ca.gov/fire_prevention/fire_prevention_wildland_zones_maps	Moderate ☐	High ☐	Very High ☐
	Wildland Interface Area (WIFA) *(If any designations are checked, project design must meet the requirements of CBC Chapter 7A.)*			WIFA ☐

LOCAL FIRE AUTHORITY (LFA) INFORMATION	
LFA Agency Name:	Oxnard Fire Department
LFA Review Official:	Sergio Martinez 3-8-19
Title:	Battalion Chief/ Fire Marshal
Work E-mail:	sergio.martinez@oxnard.org

DSA 810 (rev 10-22-18) DIVISION OF THE STATE ARCHITECT — DEPARTMENT OF GENERAL SERVICES — Page 1 of 4 STATE OF CALIFORNIA

FIRE ACCESS NOTES

1. ALL VEGETATION AND OTHER OBSTRUCTIONS OVERHANGING A FIRE ACCESS ROADWAY SHALL BE MAINTAINED TO A CLEAR HEIGHT OF 13'-6".
2. ALL POLES, BACKBOARDS AND OTHER OBSTRUCTIONS NEAR A FIRE ACCESS ROADWAY SHALL BE PROVIDED WITH REFLECTIVE TAPE OR PAINT.
3. KNOX BOX AND KEY SHALL BE PROVIDED FOR ALL GATES AND BARRIERS IN THE PATH OF VEHICLE OR FIRE FIGHTER ACCESS.
4. ALL WEATHER ACCESS ROADWAYS AND ALL FIRE HYDRANTS SHALL BE IN PLACE AND OPERATIONAL BEFORE BRINGING COMBUSTIBLE BUILDING MATERIALS OR PORTABLE UNITS ON SITE.
5. ALL PEDESTRIAN GATES WILL BE EQUIPPED WITH A KNOX BOX CONTAINING A KEY THAT WILL OPEN THE GATE.
6. SEE CIVIL DRAWINGS FOR SITE EXCAVATION, GRADING, DRAINAGE, WATER, SEWER, PAVING, HORIZONTAL AND VERTICAL CONTROL, AND ADDITIONAL SITE AND CONSTRUCTION INFORMATION.
7. WORK SHALL COMPLY WITH THE PROVISIONS OF 2016 CBC CHAPTER 33, "SAFEGUARDS DURING CONSTRUCTION," AND 2016 CFC CHAPTER 11, "CONSTRUCTION REQUIREMENTS FOR EXISTING BUILDINGS."

LEGEND

- (E) FIRE ACCESS LANE PER DSA A# 03-100370
- (E) BUILDING TO REMAIN
- PROPERTY LINE
- (E) CHAIN LINK FENCE TO REMAIN. PROTECT IN PLACE
- (E) RED CURB. SEE DETAIL 2/G2.0.1
- (E) FH — (E) FIRE HYDRANT
- KB — KNOX BOX PER OXNARD FIRE DEPARTMENT STANDARDS
- SS-1 — FIRE LANE ENTRANCE SIGN. SEE DETAIL 3/G2.0.1
- SS-2 — FIRE LANE NO PARKING SIGN. SEE DETAIL 4/G2.0.1

FLOW CALCULATION

FOR (E) FIELD BUILDING K:
TOTAL BUILDING AREA: 944 SF

PER 2016 CFC APPENDIX BB TABLE BB105.1, REQUIRED FIRE FLOW AND DURATION FOR TYPE V-B BUILDINGS AT 0 SF TO 3,600 SF = 1,500 GPM AT 2 HOURS.

PER 2016 CFC APPENDIX CC TABLE CC105.1, MINIMUM NUMBER OF HYDRANTS REQUIRED FOR 1,500 GPM FIRE FLOW IS ONE (1); AVERAGE SPACING BETWEEN HYDRANTS IS 500 FEET; AND, MAXIMUM ALLOWED DISTANCE FROM ANY POINT ON STREET OR ROAD FRONTAGE TO A HYDRANT IS 250 FEET.

FOR HOME GATEWAY w/ TICKET BOOTH:
TOTAL BUILDING AREA: 69.49 SF

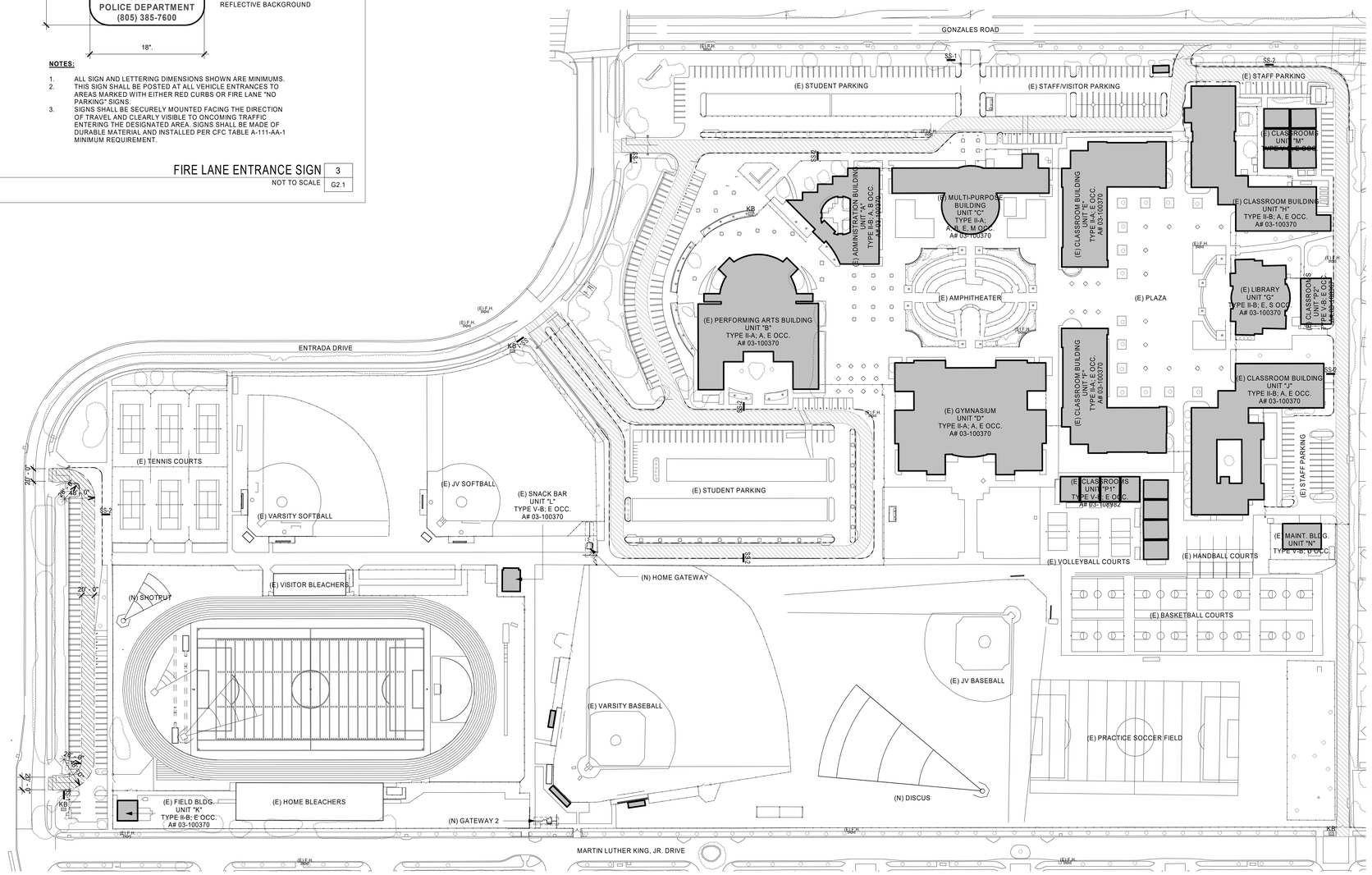
PER 2016 CFC APPENDIX BB TABLE BB105.1, REQUIRED FIRE FLOW AND DURATION FOR TYPE V-B BUILDINGS AT 0 SF TO 3,600 SF = 1,500 GPM AT 2 HOURS.

PER 2016 CFC APPENDIX CC TABLE CC105.1, MINIMUM NUMBER OF HYDRANTS REQUIRED FOR 1,500 GPM FIRE FLOW IS ONE (1); AVERAGE SPACING BETWEEN HYDRANTS IS 500 FEET; AND, MAXIMUM ALLOWED DISTANCE FROM ANY POINT ON STREET OR ROAD FRONTAGE TO A HYDRANT IS 250 FEET.

FOR GATEWAY 2 w/ TICKET BOOTH:
TOTAL BUILDING AREA: 49.77 SF

PER 2016 CFC APPENDIX BB TABLE BB105.1, REQUIRED FIRE FLOW AND DURATION FOR TYPE V-B BUILDINGS AT 0 SF TO 3,600 SF = 1,500 GPM AT 2 HOURS.

PER 2016 CFC APPENDIX CC TABLE CC105.1, MINIMUM NUMBER OF HYDRANTS REQUIRED FOR 1,500 GPM FIRE FLOW IS ONE (1); AVERAGE SPACING BETWEEN HYDRANTS IS 500 FEET; AND, MAXIMUM ALLOWED DISTANCE FROM ANY POINT ON STREET OR ROAD FRONTAGE TO A HYDRANT IS 250 FEET.



FIRE ACCESS SITE PLAN | 1
1" = 80'-0" | G2.1

AGENCY REVIEW

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP. 03-120009 INC: 02
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 12/12/2019

LITTLE
DIVERSIFIED ARCHITECTURAL CONSULTING
1300 Dove Street, Suite 100
Newport Beach, CA. 92660
T: 949.698.1400
www.littleonline.com

CLIENT NAME
OXNARD UNION HIGH SCHOOL DISTRICT

PROJECT NAME
PACIFICA HIGH SCHOOL TRACK & FIELD IMPROVEMENTS - INC. 2
600 E. GONZALES RD, OXNARD, CA. 93036

CONSULTANT

SEAL
LICENSED ARCHITECT JEFFREY R. TITUS NO. C-30805 REN. 11-30-21 STATE OF CALIFORNIA

ISSUE FOR
DSA SUBMITTAL

ISSUE DATE
12/02/19

REVISIONS

NO.	REASON	DATE

PROJECT TEAM
PRINCIPAL IN CHARGE
JT
PROJECT MANAGER
LEB
DESIGN TEAM
FM/RG/JR/TA/CL

PROJECT NAME
PACIFICA HIGH SCHOOL TRACK & FIELD IMPROVEMENTS - INC. 2

PROJECT NO.
612-123-5303

SHEET TITLE
FIRE ACCESS SITE PLAN

SHEET NUMBER
G2.1

C:\Users\farnaz.mahjoob\Documents\612123530 3 OXNARD UHSD - PACIFICA HIGH SCHOOL TRACK & FIELD IMPROVEMENTS-INC 2 - CENTRAL16_farnaz.mahjoob.rvt

12/1/2019 9:28:50 PM

GENERAL NOTES

1. WORK SHALL BE PERFORMED ACCORDING TO THE LATEST EDITIONS OF THE STANDARD SPECIFICATIONS AND PLANS FOR PUBLIC WORKS CONSTRUCTION (GREEN BOOK & S.P.P.W.C), LATEST EDITION OF CALIFORNIA BUILDING CODE AND CITY OF OXNARD BUILDING CODE REQUIREMENTS.

2. NO WORK SHALL BE STARTED WITHOUT A PRE-CONSTRUCTION MEETING WITH THE OWNER, INSPECTOR AND AOR.

3. THE CONTRACTOR SHALL PROVIDE FOR CONTRIBUTORY DRAINAGE AT ALL TIMES AND TAKE ALL NECESSARY AND PROPER PRECAUTIONS TO PROTECT ADJACENT PROPERTIES AND IMPROVEMENTS FROM ANY AND ALL DAMAGE THAT MAY OCCUR FROM STORM WATER RUNOFF AND/OR DEPOSITION OF DEBRIS RESULTING FROM ANY AND ALL WORK.

4. NO REVISIONS SHALL BE MADE TO THESE PLANS WITHOUT THE APPROVAL OF THE CIVIL ENGINEER.

5. IMPORTANT NOTICE – SECTION 4216/4217 OF THE GOVERNMENT CODE REQUIRES A DIG ALERT IDENTIFICATION NUMBER BE ISSUED BEFORE ANY "PERMIT TO EXCAVATE" WILL BE VALID. FOR YOUR DIG ALERT I.D. NUMBER, CALL UNDERGROUND SERVICE ALERT TOLL FREE @ 1-800-422-4133, TWO WORKING DAYS BEFORE YOU DIG.

6. ANY IMPROVEMENT(S) TO BE CONSTRUCTED WITHIN PUBLIC RIGHT-OF-WAY WILL REQUIRE SEPARATE CONSTRUCTION PERMIT AND INSPECTION FROM THE GOVERNING AGENCY(IES). CONTRACTOR SHALL BE RESPONSIBLE FOR SECURING ALL APPLICABLE PERMITS AND PAYING ANY REQUIRED FEES.

7. FILLS SHALL BE COMPACTED THROUGHOUT TO AT LEAST 90% OF MAXIMUM DRY DENSITY AS DETERMINED BY A.S.T.M. SOIL COMPACTION TEST D 1557.

8. CONTRACTOR SHALL BE RESPONSIBLE FOR PRESERVING ALL GRADE STAKES UNTIL AUTHORIZED BY SURVEYOR TO REMOVE.

9. CONTRACTOR SHALL RESTORE LIKE FOR LIKE, TO THE SATISFACTION OF THE OWNER/ARCHITECT, ALL AREAS DAMAGED OR DISTURBED AS A RESULT OF WORK PERFORMED PURSUANT TO THESE PLANS AT HIS/HERS OWN EXPENSE.

10. FIELD DENSITY MAY BE DETERMINED BY THE NUCLEAR DENSITY METHOD A.S.T.M. D2922 & D3017 PROVIDED NOT LESS THAN 10% OF THE REQUIRED DENSITY TESTS UNIFORMLY DISTRIBUTED ARE BY THE SAND-CONE METHOD. THE METHOD OF DETERMINING FIELD DENSITY AND LOCATION AND APPROXIMATE ELEVATION SHALL BE SHOWN IN THE COMPACTION REPORT. OTHER METHODS MAY BE USED IF RECOMMENDED BY THE SOILS ENGINEER AND APPROVED IN ADVANCE BY THE CITY ENGINEER.

11. CRUSHED AGGREGATE BASE MATERIAL SHALL CONFORM TO SUBSECTION 200-2.2 OF STANDARD SPECIFICATIONS AND SHALL BE COMPACTED TO 95% RELATIVE COMPACTION USING MECHANICAL COMPACTING EQUIPMENT.

12. NEW CONCRETE SHALL BE CLASS 520-C-2500 (310-C-17) CONFORMING WITH S.S.P.W.C. 201-1.1.2.

13. THE CONTRACTOR IS RESPONSIBLE FOR PROTECTING ALL EXISTING UTILITIES WHETHER SHOWN OR NOT SHOWN ON THESE DRAWINGS. THE CONTRACTOR FURTHER ASSUMES ALL LIABILITY AND RESPONSIBILITY FOR THE UTILITY PIPES, CONDUITS, OR STRUCTURES SHOWN OR NOT SHOWN ON THESE DRAWINGS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING ALL PUBLIC AND PRIVATE PROPERTY INSOFAR AS IT MAY BE AFFECTED BY THESE OPERATIONS. ALL COSTS FOR PROTECTING, REMOVING, AND RESTORING EXISTING IMPROVEMENTS SHALL BE BORNE BY THE CONTRACTOR.

14. CONSTRUCTION CONTRACTOR AGREES THAT IN ACCORDANCE WITH GENERALLY ACCEPTED CONSTRUCTION PRACTICES, CONSTRUCTION CONTRACTOR WILL BE REQUIRED TO ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THE PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY. THIS REQUIREMENT SHALL BE IN EFFECT AT ALL TIMES.

15. THE CONTRACTOR SHALL VERIFY ALL JOINT ELEVATIONS PRIOR TO THE REMOVAL OF PAVEMENT, CURB, GUTTER, SIDEWALK AND/OR SLOPE GRADING. ANY DISCREPANCIES SHALL BE REPORTED TO THE ENGINEER OF RECORD PRIOR TO REMOVALS WITHIN THE AREA OF THE DISCREPANCIES.

16. DUST SHALL BE CONTROLLED BY WATERING TO THE SATISFACTION OF THE INSPECTOR.

17. WHERE THE IRRIGATION SYSTEM IN CONFLICT WITH NEW WORK NEEDS TO BE RELOCATED OR REPLACED, CONTRACTOR SHALL COORDINATE THE WATER SHUT OFF OR ANY ELECTRICAL RELATED WORK WITH OWNER 48 HOURS PRIOR COMMENCING THE WORK.

18. ALL EXPOSED P.C.C. CORNERS SHALL BE ROUNDED WITH A 1/2" RADIUS.

19 ALL EXPORT OF MATERIAL FROM THE SITE MUST GO TO A PERMITTED SITE APPROVED BY THE BUILDING OFFICIAL OR A LEGAL DUMPSITE. RECEIPTS FOR ACCEPTANCE OF EXCESS MATERIAL BY A DUMPSITE ARE REQUIRED AND MUST BE PROVIDED TO THE BUILDING OFFICIAL UPON REQUEST.

20. CONTRACTOR TO CALCULATE HIS/HER OWN QUANTITIES FOR BIDDING PURPOSES.

21. FOR JOINTS AT NEW CURB AND SIDEWALK REFER TO S.P.P.W.C. STD. PLAN No. 112-2. ALSO SEE DETAILS ON THIS SHEET FOR ADDITIONAL INFORMATION JOINT DETAILS.

22. IF WORK IS COMMENCED DURING RAINY SEASON, CONTRACTOR SHALL SATISFY CITY OF OXNARD AND VENTURA COUNTY'S EROSION CONTROL REQUIREMENTS AND INSTALL APPROPRIATE BMPs.

PRIVATE ENGINEER'S NOTICE TO CONTRACTOR

THE EXISTENCE AND LOCATION OF ANY AND ALL CONDUITS, UTILITY PIPES, AND STRUCTURES SHOWN ON THIS SET OF PLANS ARE OBTAINED BASED ON AVAILABLE RECORDS AT THE TIME OF DESIGN. TO THE BEST OF OUR KNOWLEDGE, THERE ARE NO EXISTING UTILITIES WITHIN THE CONSTRUCTION LIMITS OF THIS PROJECT AT THE TIME OF DESIGN EXCEPT AS SHOWN ON THIS SET OF PLANS. THE CONTRACTOR IS REQUIRED TO TAKE DUE PRECAUTIONARY MEASURES TO PROTECT ANY AND ALL UTILITY LINES SHOWN ON THIS SET OF PLANS. THE CONTRACTOR FURTHER ASSUMES ANY AND ALL LIABILITY AND RESPONSIBILITY FOR THE CONDUITS, UTILITY PIPES, AND STRUCTURES SHOWN ON THIS SET OF DRAWINGS.

CONTRACTOR AGREES THAT HE SHALL ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR THE JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THIS PROJECT. THIS STIPULATION INCLUDES THE SAFETY OF ANY AND ALL PERSONS AND PROPERTY. THE CONTRACTOR SHALL FURTHER DEFEND, INDEMNIFY, AND HOLD THE OWNER AND ENGINEER HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, WITH THE EXCEPTION OF LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF THE OWNER OR ENGINEER.

GENERAL NOTES FOR ON-SITE UTILITIES

1. CONTRACTOR SHALL VERIFY ALL SITE UTILITY ROUTES, STRUCTURE LOCATIONS AND ASSOCIATED REQUIREMENTS WITH RESPECTIVE UTILITY COMPANIES BEFORE COMMENCING WORK ON THOSE UTILITIES.
2. CONTRACTOR SHALL BE RESPONSIBLE FOR PRESERVING ALL GRADE STAKES UNTIL AUTHORIZED BY SURVEYOR TO REMOVE.
3. INDIVIDUAL PIPE FITTINGS ARE NOT CALLED OUT; CONTRACTOR SHALL PROVIDE AND INSTALL ALL NECESSARY FITTINGS AS REQUIRED TO COMPLETE THIS PROJECT. PIPE LENGTHS SHOWN ARE APPROXIMATE.
4. RESTORATION/REPAIR: CONTRACTOR SHALL RESTORE/REPAIR ALL AREAS DAMAGED OR DISTURBED AS A RESULT OF ALL WORK PERFORMED PURSUANT TO THESE PLANS. SUCH AREAS INCLUDE, BUT ARE NOT LIMITED TO, CURB AND GUTTER, A.C. PAVEMENT, CONCRETE, STRIPING, LANDSCAPING, AND UTILITIES. RESTORATION/REPAIR SHALL INCLUDE, BUT IS NOT LIMITED TO, MATCHING A.C. AND CONCRETE SECTIONS AND TEXTURE, MATCHING FINISH AS APPLICABLE, ALL TO THE SATISFACTION OF THE DISTRICT.
5. ADDITIONAL MATERIALS: CONTRACTOR SHALL PROVIDE ALL NECESSARY MATERIALS AND LABOR, SUBJECT TO THE APPROVAL OF THE DISTRICT AND ARCHITECT/ENGINEER, NOT SPECIFICALLY DESCRIBED IN THE CONSTRUCTION NOTES BUT REQUIRED FOR COMPLETE AND PROPER INSTALLATION OF THIS WORK.
6. ALL MATERIALS REMOVED SHALL BE TAKEN OFF SCHOOL PROPERTY BY CONTRACTOR AND DISPOSED OF IN ACCORDANCE WITH APPLICABLE CODES UNLESS DIRECTED BY OWNER TO BE SALVAGED.
7. CONTRACTOR TO POTHOLE AND VERIFY THE SIZE, MATERIAL AND INVERT ELEVATION OF EXISTING UTILITY AND VERIFY THAT THE CONNECTION CAN BE MADE AS SHOWN ON THE PLAN. IN THE EVENT OF A DISCREPANCY, NOTIFY THE OWNER/PROJECT MANAGER OF THE FIELD FINDINGS 7 DAYS PRIOR TO THE CONSTRUCTION DATE FOR ALTERNATIVE RESOLUTION.

UNDERGROUND SERVICE ALERT

CALL: TOLL FREE

1-800-422-4133

LEGEND

FS	FINISH SURFACE ELEVATION
TC	TOP OF CURB ELEVATION
TS	TOP OF CONCRETE SLAB ELEVATION
XX.XX	PROPOSED SPOT ELEVATION
(XX.XX)	EXISTING SPOT ELEVATION
	CMU WALL
— X —	EXISTING FENCE
XX	NEW C.L. FENCE
CONC.	CONCRETE
G.B.	GRADE BREAK
ESW	EDGE OF SIDEWALK
DWY	DRIVEWAY
C&G	CURB & GUTTER
H.P.	HIGH POINT
NG	NATURAL GROUND
S.P.P.W.C.	STANDARD PLANS FOR PUBLIC WORKS CONSTRUCTION
S.S.P.W.C.	STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION
C.F.	CURB FACE
ELEV.	ELEVATION
EX.	EXISTING
BCR.	BEGIN CURB RETURN
ECR.	END CURB RETURN
A.P.	ANGLE POINT
X	FURNISH AND INSTALL/CONSTRUCT, DEMOLISH, REMOVE AND REPLACE, OR RELOCATE, AS INDICATED.
XX.X%	NEW SLOPE
(XX.X)%	EXISTING SLOPE
FL	FLOW LINE
T.B.M.	TEMPORARY BENCH MARK
CONC.	CONCRETE PAVEMENT
A.C.	ASPHALT CONCRETE PAVING
(N)	NEW
T.B.M	TEMPORARY BENCH MARK
F.F.	FINISH FLOOR
A.F.F.	ABOVE FINISH FLOOR
EG	EDGE OF GUTTER
CLR.	CLEAR
SCO	SEWER CLEAN-OUT
SMH	SEWER MANHOLE
P.A.	PLANTER AREA
E.J.	EXPANSION JOINT
C.J.	CONTROL JOINT
D.I.	DRAIN INLET
SCO	SEWER CLEAN-OUT
EPB	ELECTRICAL PULL BOX
WV	WATER VALVE
SFM	SEWER FORCE MAIN

BASIS OF BEARING

N00°02'50"E BEING THE CENTERLINE OF OXNARD BOULEVARD PER MAP RECORDED IN BOOK 142, PAGES 96 THROUGH 97, OF MAPS, IN THE OFFICE OF THE COUNTY RECORDER OF VENTURA COUNTY, STATE OF CALIFORNIA.

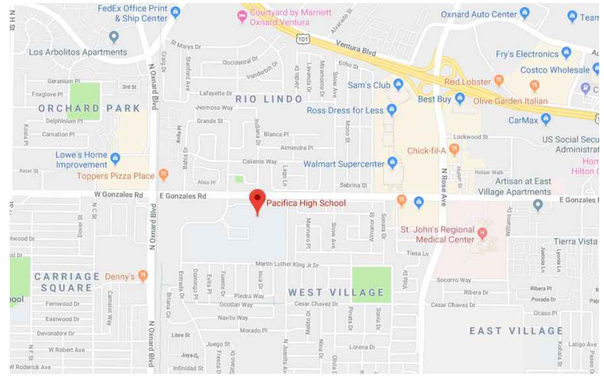
BENCHMARK

CITY OF OXNARD

ELEVATION: 22.708 (NAVD 88)

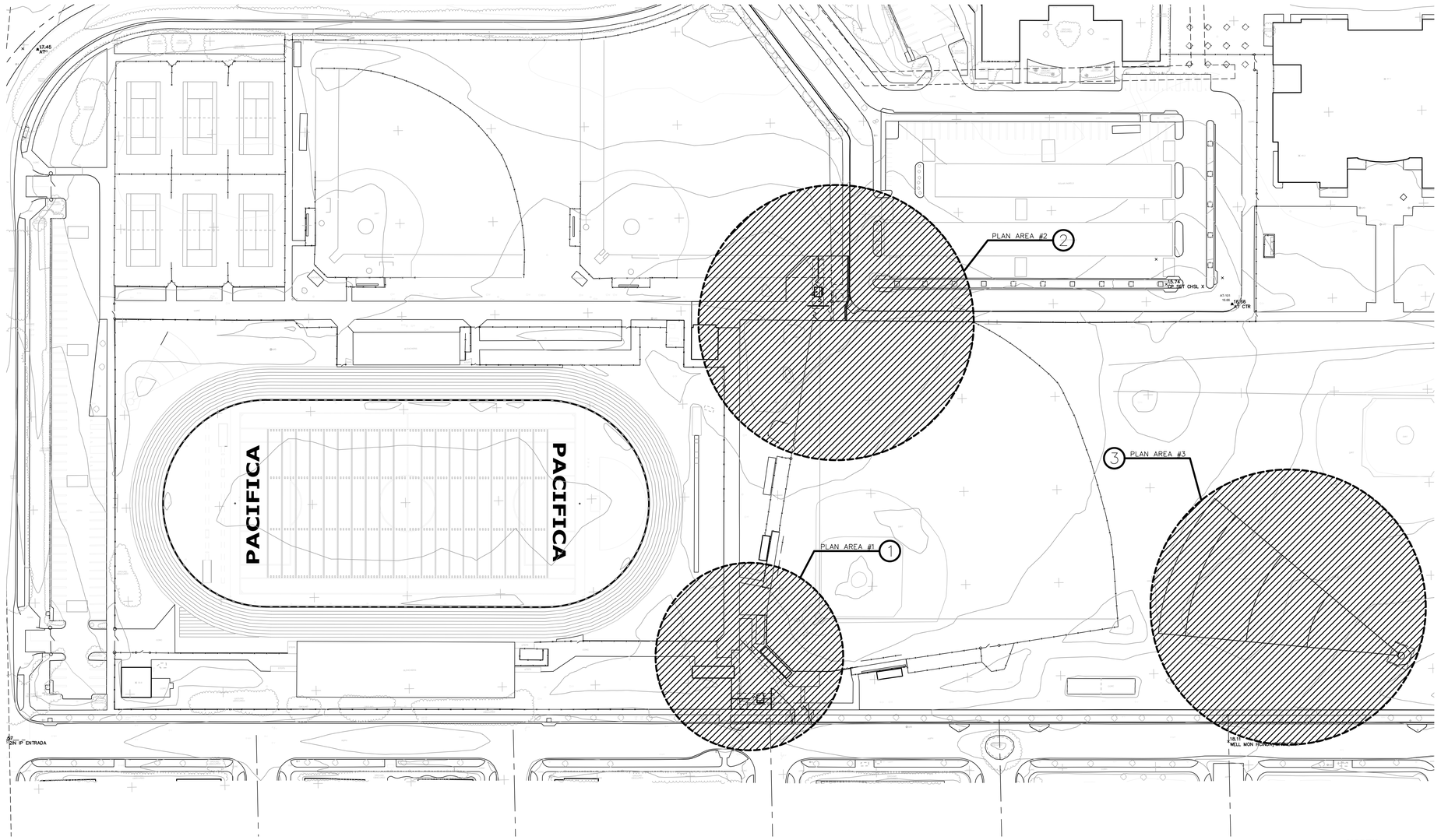
DESCRIPTION: BRASS DISK STAMPED "BLVD 2000"

LOCATION: BRASS DISK STAMPED "BLVD 2000" SET ON TOP OF CURB AT THE SOUTHWEST CORNER OF THE INTERSECTION OF GONZALES ROAD AND OXNARD BOULEVARD. THE DISK IS 14.5 FEET EAST OF THE NORTHERLY CURB RETURN.



NORTH

VICINITY MAP
NTS



CAMPUS LOCATION MAP: WORK AREAS

NORTH

AGENCY REVIEW

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP. 03-120009 INC. 02
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 12/12/2019

LITTLE
DIVERSIFIED ARCHITECTURAL CONSULTING

1300 Dove Street, Suite 100
Newport Beach, CA. 92660
T: 949.698.1400

www.littleonline.com

CLIENT NAME

OXNARD UNION HIGH SCHOOL DISTRICT

PROJECT NAME

PACIFICA HIGH SCHOOL TRACK & FIELD IMPROVEMENTS - INC 2

600 E. GONZALES RD, OXNARD, CA. 93036

CONSULTANT

SEAL

ISSUE FOR
DSA SUBMITTAL

ISSUE DATE
12/2/2019

REVISIONS

NO.	REASON	DATE

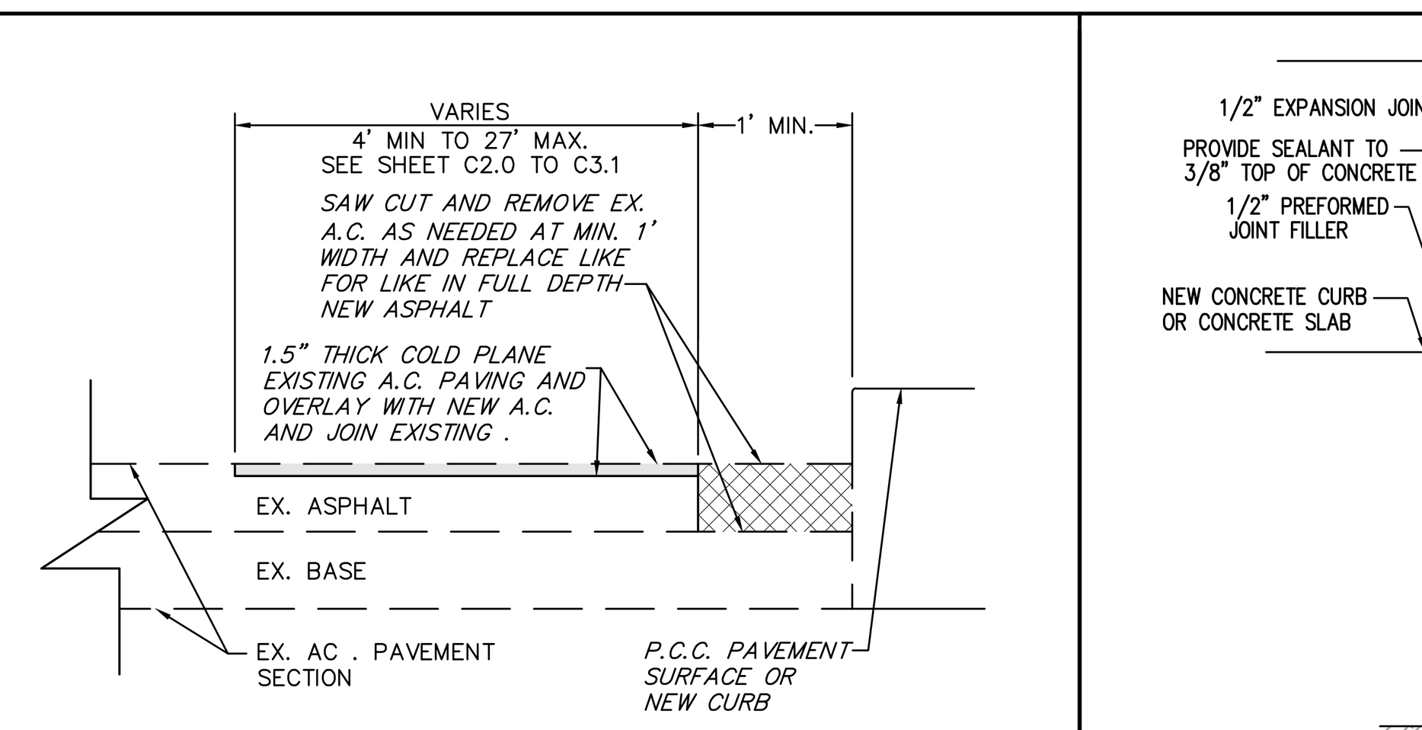
PROJECT TEAM
PRINCIPAL IN CHARGE
BB
PROJECT MANAGER
BB
DESIGN TEAM
SA, ML, VS, AT

PROJECT NAME
PACIFICA HIGH SCHOOL TRACK & FIELD IMPROVEMENTS - INC 2

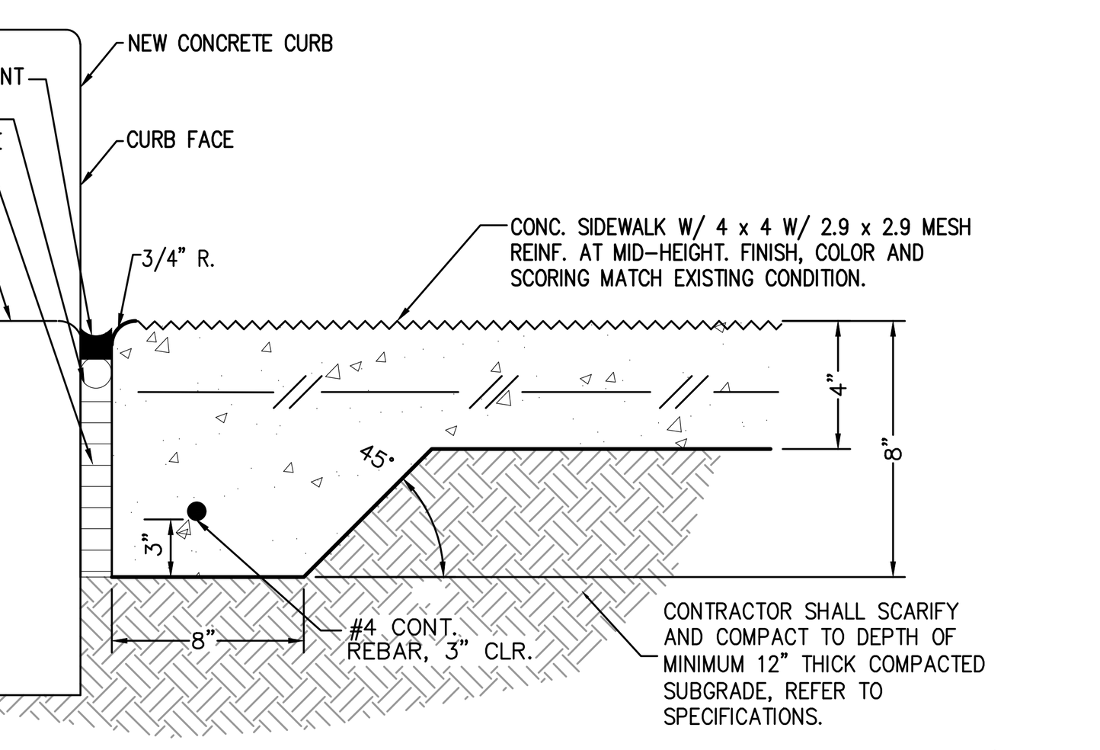
PROJECT NO.
6121235303

SHEET TITLE
COVER SHEET - NOTES & INDEX MAP

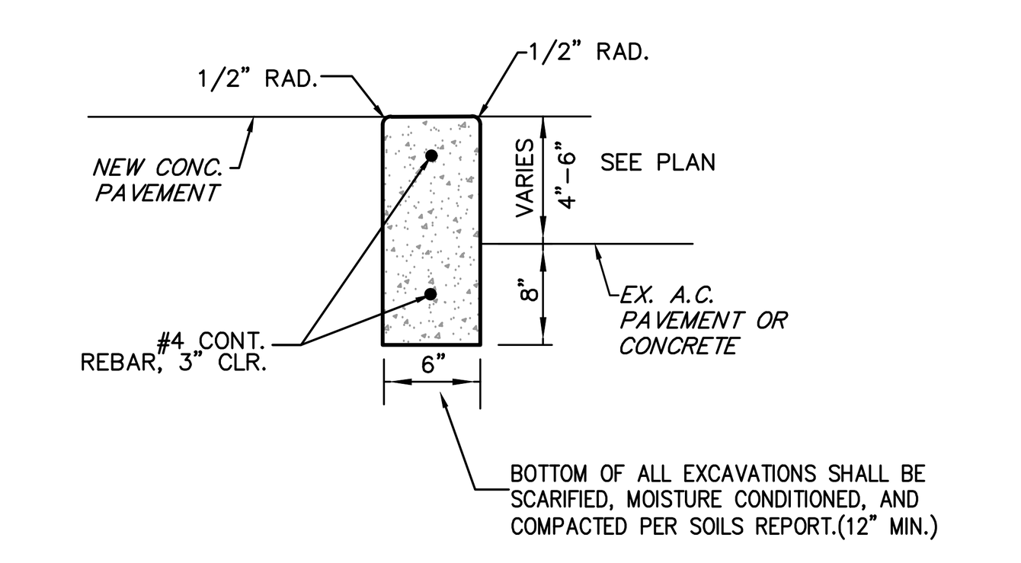
SHEET NUMBER
C1.0



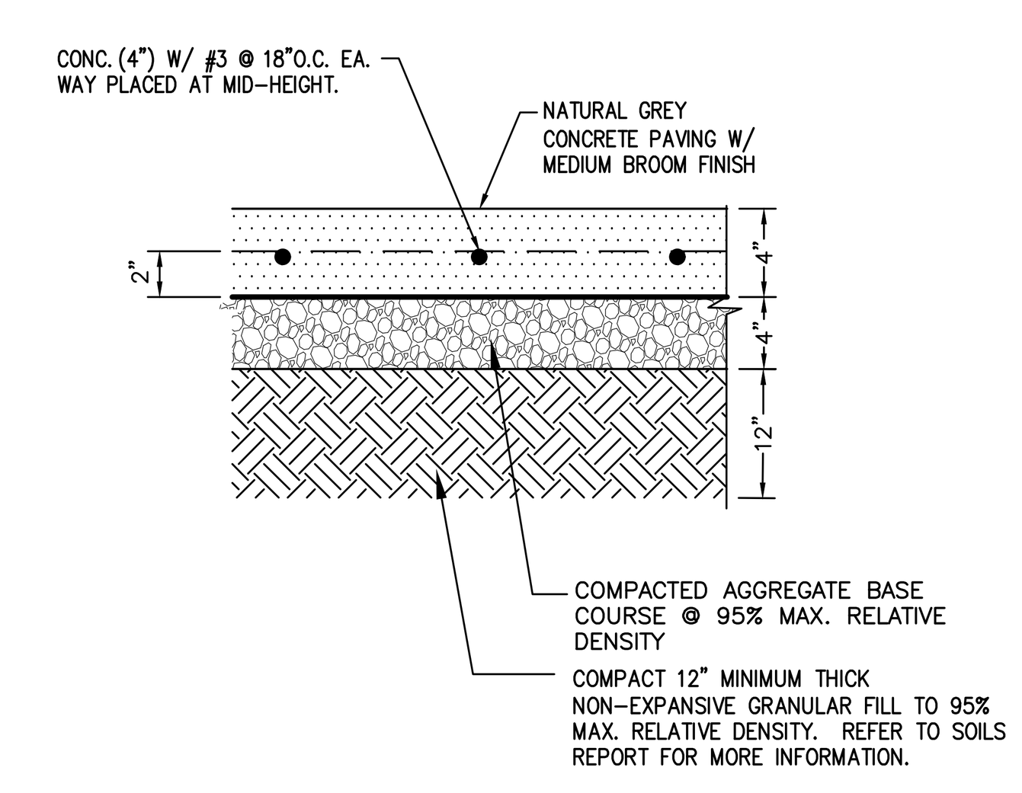
1 COLDMILL & OVERLAY N.T.S



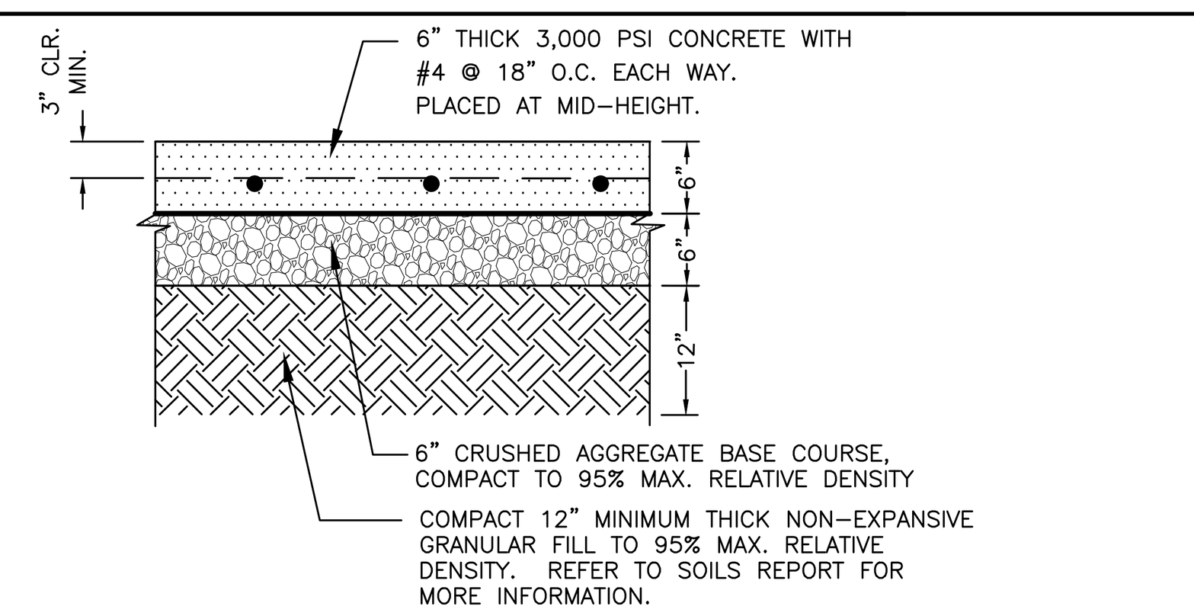
2 EDGE OF WALK AT EDGE ABUTTING CONCRETE N.T.S



3 6" WIDE CONCRETE CURB N.T.S



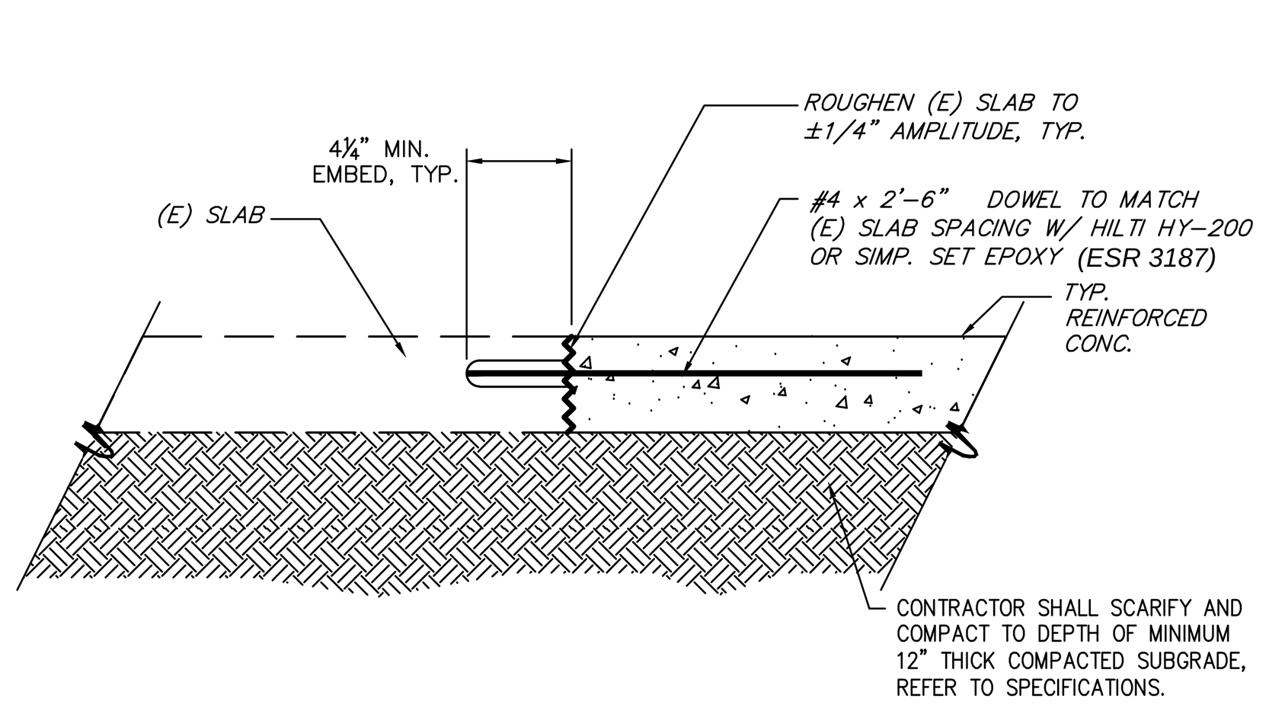
4 PEDESTRIAN CONCRETE PAVEMENT N.T.S



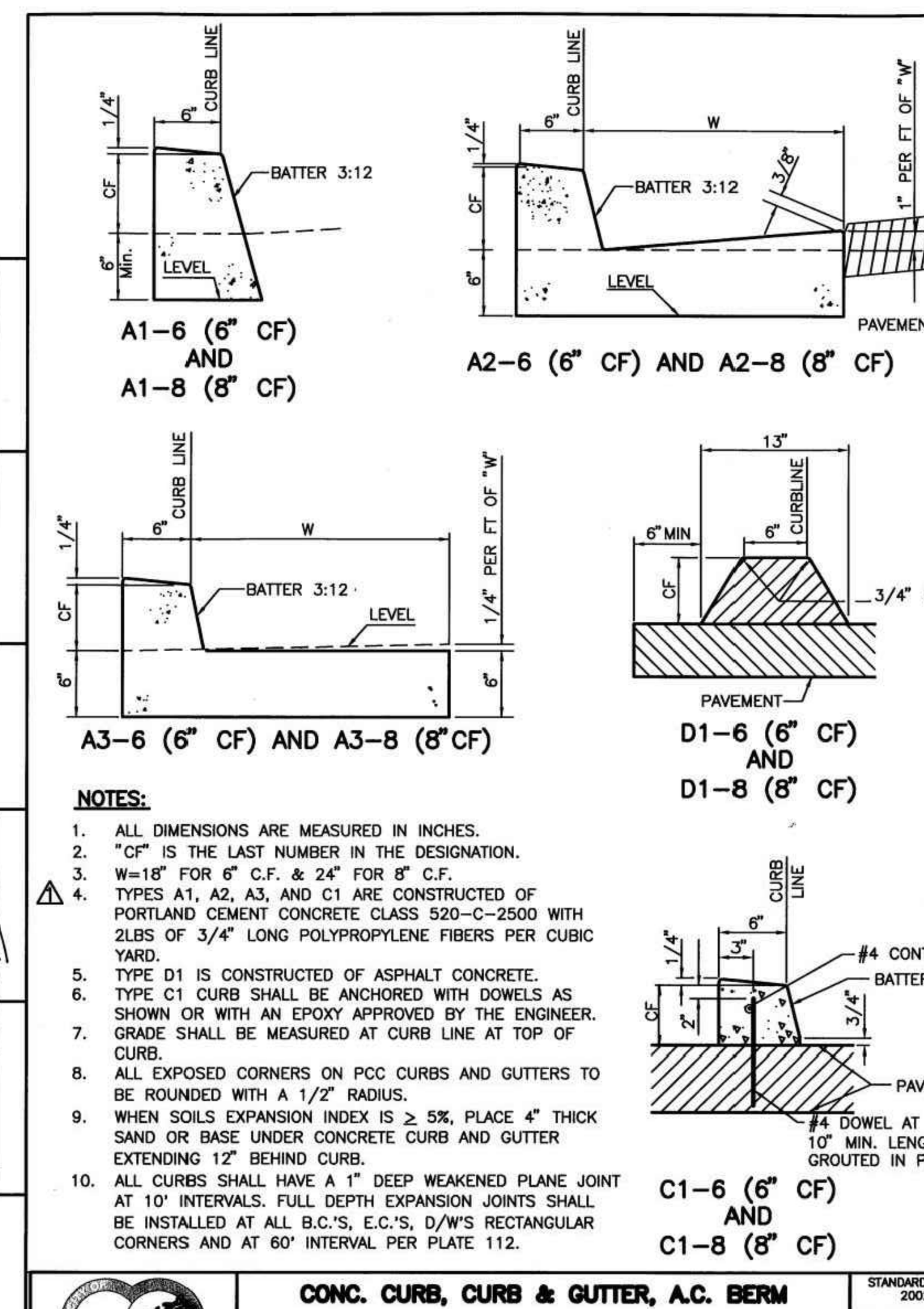
NOTES:

1. A CONTROL JOINT 1'' DEEP WITH 1/8" RADII SHALL BE REQUIRED IN THE CONCRETE PAVING AT 12' ON CENTER OR AS DELINEATED ON SITE LAYOUT PLAN. A 1/2" MAX EXPANSION JOINT WILL BE REQUIRED WHERE THE PAVING JOINS ANY RIGID STRUCTURE. A SAWED SCORE JOINT MAY BE USED IN LIEU OF EXPANSION JOINT EXCEPT AGAINST RIGID STRUCTURES.
2. ALL CONCRETE TO BE AT LEAST 3,000 P.S.I. IN 28 DAYS.
3. 1/2" MAX EXPANSION MATERIAL WHERE PAVING ABUTS CURB AND GUTTER.
4. SLOPE SHALL NOT EXCEED 1.8% IN ANY DIRECTION.

5 HEAVY DUTY CONCRETE PAVEMENT N.T.S



6 (N) SLAB JOINT @ EXISTING SLAB N.T.S

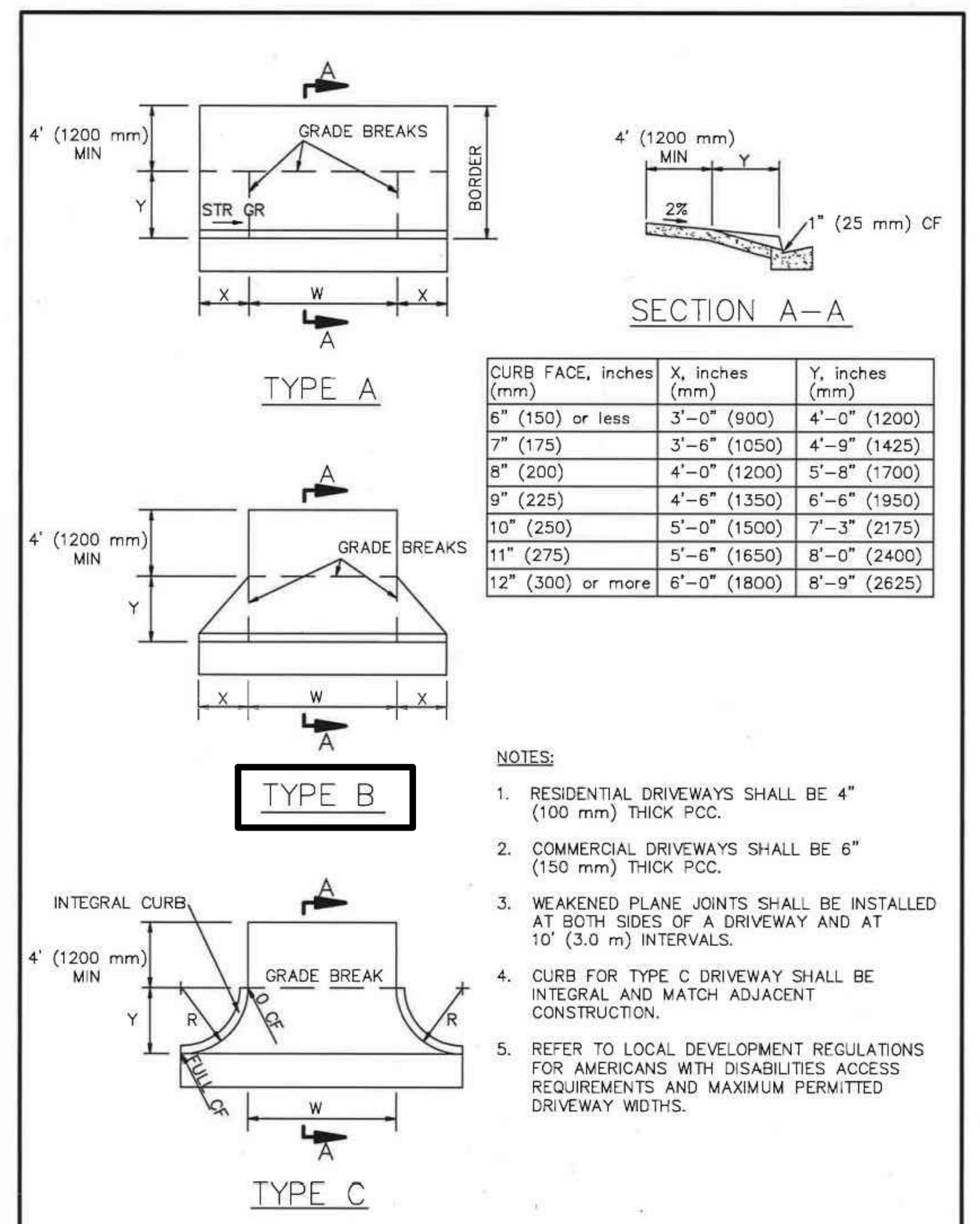


NOTES:

1. ALL DIMENSIONS ARE MEASURED IN INCHES.
2. "CF" IS THE LAST NUMBER IN THE DESIGNATION.
3. W=18" FOR 6" C.F. & 24" FOR 8" C.F.
4. TYPES A1, A2, A3, AND C1 ARE CONSTRUCTED OF PORTLAND CEMENT CONCRETE CLASS 520-C-2500 WITH 2LBS OF 3/4" LONG POLYPROPYLENE FIBERS PER CUBIC YARD.
5. TYPE D1 IS CONSTRUCTED OF ASPHALT CONCRETE.
6. TYPE C1 CURB SHALL BE ANCHORED WITH DOWELS AS SHOWN OR WITH AN EPOXY APPROVED BY THE ENGINEER.
7. GRADE SHALL BE MEASURED AT CURB LINE AT TOP OF CURB.
8. ALL EXPOSED CORNERS ON PCC CURBS AND GUTTERS TO BE ROUNDED WITH A 1/2" RADIUS.
9. WHEN SOILS EXPANSION INDEX IS ≥ 5%, PLACE 4" THICK SAND OR BASE UNDER CONCRETE CURB AND GUTTER EXTENDING 12" BEHIND CURB.
10. ALL CURBS SHALL HAVE A 1" DEEP WEAKENED PLANE JOINT AT 10' INTERVALS. FULL DEPTH EXPANSION JOINTS SHALL BE INSTALLED AT ALL B.C.'S, E.C.'S, D/W'S RECTANGULAR CORNERS AND AT 60' INTERVAL PER PLATE 112.

CONC. CURB, CURB & GUTTER, A.C. BERM — STANDARD PLAN 2002 — PLATE 111
DRAWN: A. ROQUE CKD.: HUNG LE
Department of Public Works APPR. L. Balderroma, PE, City Engineer SHEET 1 OF 1

7 CITY OF OXNARD STD. PLATE 111 (CURB & GUTTER) N.T.S



CURB FACE, inches (mm)	X, inches (mm)	Y, inches (mm)
6" (150) or less	3'-0" (900)	4'-0" (1200)
7" (175)	3'-6" (1050)	4'-9" (1425)
8" (200)	4'-0" (1200)	5'-8" (1700)
9" (225)	4'-6" (1350)	6'-6" (1950)
10" (250)	5'-0" (1500)	7'-3" (2175)
11" (275)	5'-6" (1650)	8'-0" (2400)
12" (300) or more	6'-0" (1800)	8'-9" (2625)

NOTES:

1. RESIDENTIAL DRIVEWAYS SHALL BE 4" (100 mm) THICK PCC.
2. COMMERCIAL DRIVEWAYS SHALL BE 6" (150 mm) THICK PCC.
3. WEAKENED PLANE JOINTS SHALL BE INSTALLED AT BOTH SIDES OF A DRIVEWAY AND AT 10' (3.0 m) INTERVALS.
4. CURB FOR TYPE C DRIVEWAY SHALL BE INTEGRAL AND MATCH ADJACENT CONSTRUCTION.
5. REFER TO LOCAL DEVELOPMENT REGULATIONS FOR AMERICANS WITH DISABILITIES ACCESS REQUIREMENTS AND MAXIMUM PERMITTED DRIVEWAY WIDTHS.

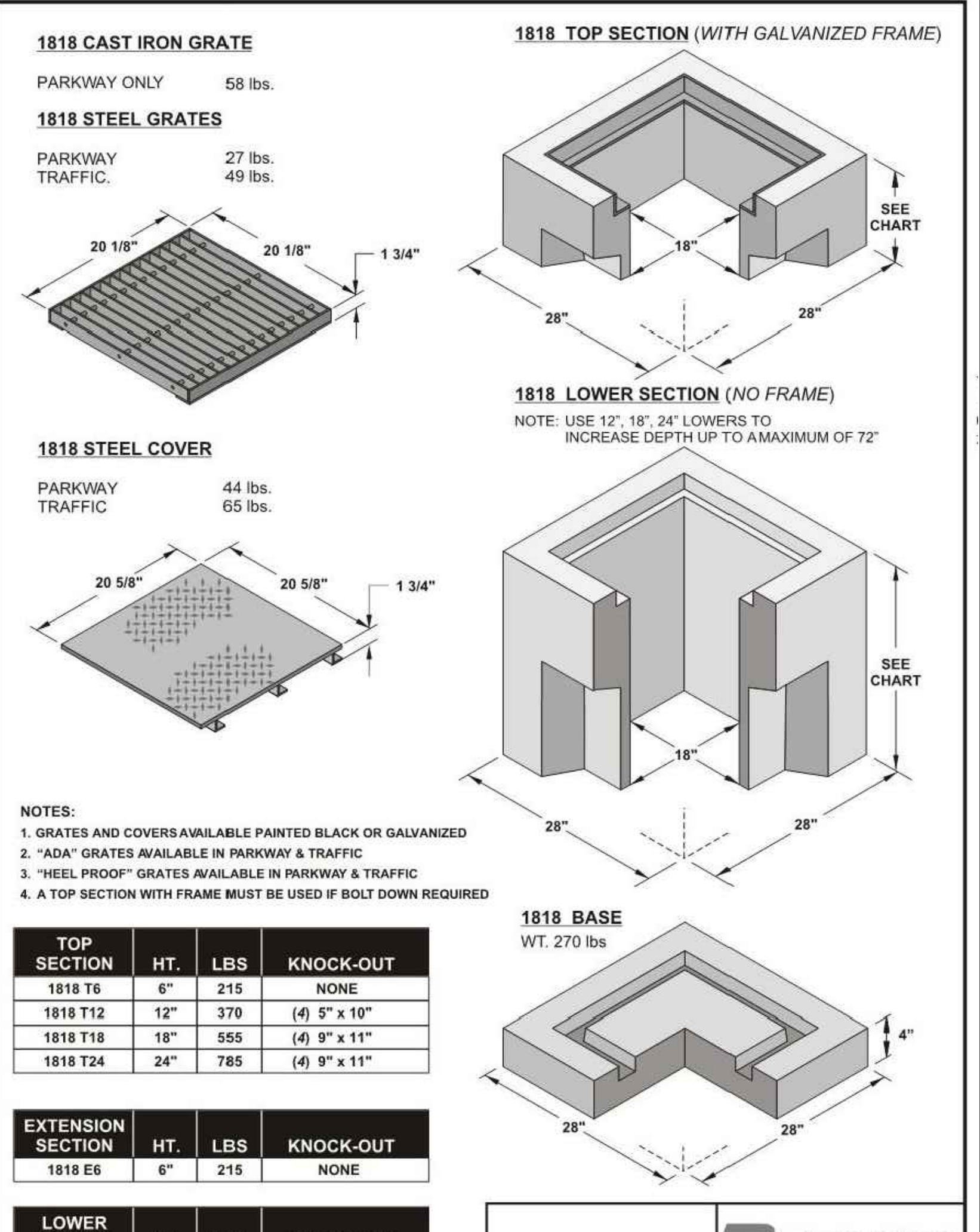
STANDARD PLANS FOR PUBLIC WORKS CONSTRUCTION
PROMULGATED BY THE PUBLIC WORKS STANDARDS INC. GREENBOOK COMMITTEE 1984 REV. 1996, 2009
DRIVEWAY APPROACHES — STANDARD PLAN 110-2 — SHEET 1 OF 1
USE WITH STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION

8 S.P.P.W.C. DRIVEWAY APPROACH STANDARD PLAN 110-2, TYPE B N.T.S

1818 CAST IRON GRATE
PARKWAY ONLY 58 lbs.

1818 STEEL GRATES
PARKWAY 27 lbs.
TRAFFIC. 49 lbs.

1818 STEEL COVER
PARKWAY 44 lbs.
TRAFFIC 65 lbs.



NOTES:
1. GRATES AND COVERS AVAILABLE PAINTED BLACK OR GALVANIZED
2. "ADA" GRATES AVAILABLE IN PARKWAY & TRAFFIC
3. "HEEL PROOF" GRATES AVAILABLE IN PARKWAY & TRAFFIC
4. A TOP SECTION WITH FRAME MUST BE USED IF BOLT DOWN REQUIRED

TOP SECTION	HT.	LBS	KNOCK-OUT
1818 T6	6"	215	NONE
1818 T12	12"	370	(4) 5" x 10"
1818 T18	18"	555	(4) 9" x 11"
1818 T24	24"	785	(4) 9" x 11"

EXTENSION SECTION	HT.	LBS	KNOCK-OUT
1818 E6	6"	215	NONE

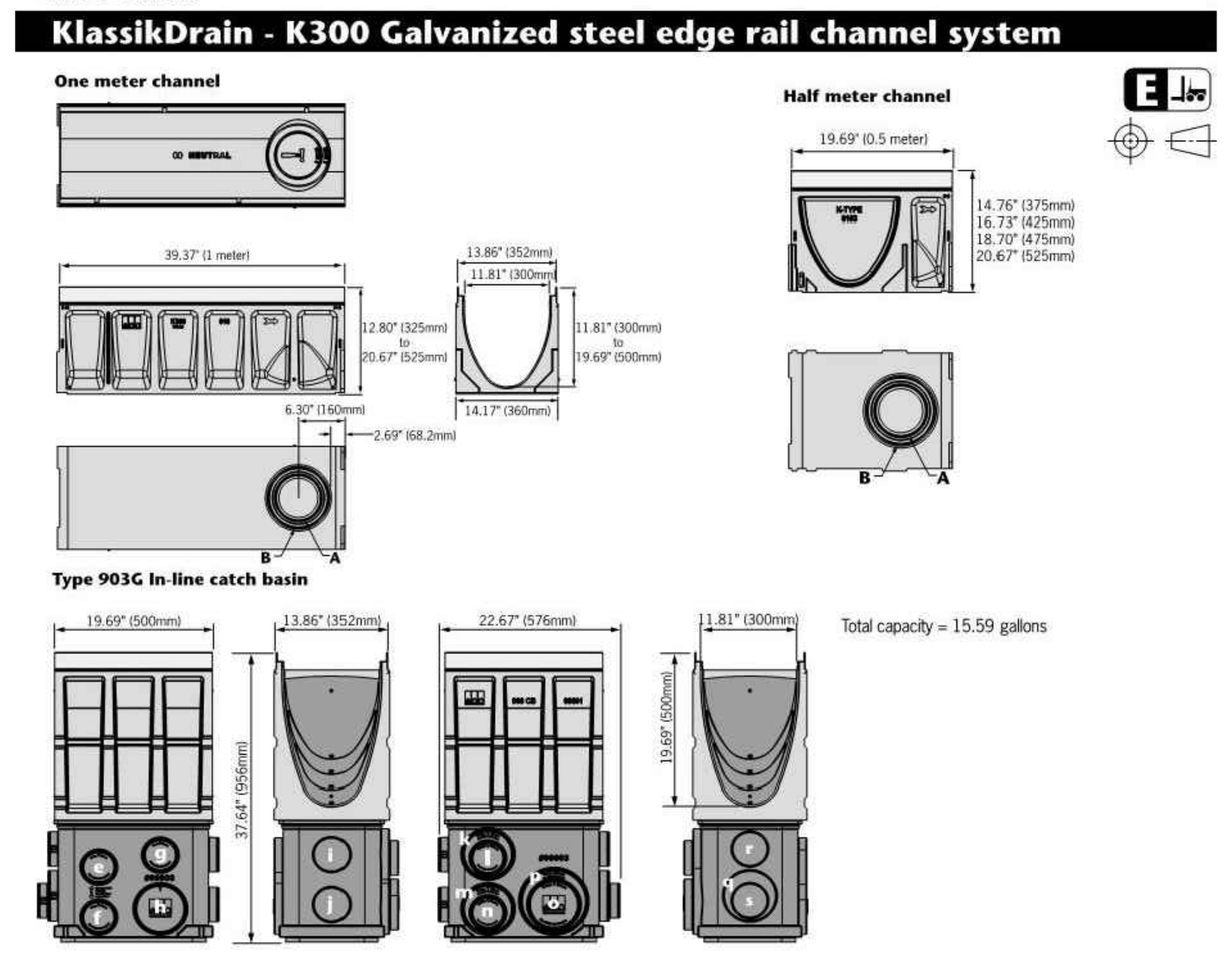
LOWER SECTION	HT.	LBS	KNOCK-OUT
1818 L12	12"	370	(4) 5" x 10"
1818 L18	18"	555	(4) 9" x 11"
1818 L24	24"	785	(4) 9" x 11"

18" x 18" CATCH BASIN
BROOKS PRODUCTS
1818 CB
ORG. DWG. DATE 04-20-95 REV. DWG. DATE 02-28-00

9 BROOKS 1818 CATCH BASIN (W/ ADA COMPLIANT & HEAL PROOF GRATE) N.T.S

ACO DRAIN

KlassikDrain - K300 Galvanized steel edge rail channel system



Total capacity = 15.59 gallons

Outlet flow rates

Outlet	Product	Outlet size (Sch. 40)	Invert Depth	GPM	CFS
A	Bottom outlet - K3-00	6" round	11.81"	421	0.94
A	Bottom outlet - K3-040	6" round	19.69"	544	1.21
B	Bottom outlet - K3-00	8" round	11.81"	748	1.67
B	Bottom outlet - K3-040	8" round	19.69"	966	2.15
C	End outlet - K3-00	6" round	11.81"	364	0.81
C	End outlet - K3-40	6" round	19.69"	500	1.11
D	End outlet - K3-10	8" round	13.78"	681	1.52
D	End outlet - K3-40	8" round	19.69"	863	1.92
E	End outlet - K3-20	10" round	15.75"	1116	2.49
E	End outlet - K3-40	10" round	19.69"	1304	2.91
F	Type K3-903G	4" round	29.80"	287	0.64
G	Type K3-903G	4" round	36.29"	319	0.71
H	Type K3-903G	4" round	28.22"	279	0.62
I	Type K3-903G	6" round	36.29"	707	1.57
J	Type K3-903G	4" round	28.37"	280	0.62
K	Type K3-903G	4" round	34.87"	312	0.70
L	Type K3-903G	6" round	29.15"	626	1.40
M	Type K3-903G	4" round	28.59"	281	0.63
N	Type K3-903G	6" round	36.28"	707	1.57
O	Type K3-903G	4" round	35.72"	316	0.70
P	Type K3-903G	6" round	35.72"	701	1.56
Q	Type K3-903G	8" round	36.28"	1237	2.76
R	Type K3-903G	6" round	34.78"	690	1.54
S	Type K3-903G	4" round	27.65	276	0.61
T	Type K3-903G	4" round	34.36	310	0.69

Note: These are the pipe flow rates at the specified outlet, NOT channel flow rates. *Catch basin flow rates are without trash bucket - using trash bucket reduces flow.

Type 904G In-line catch basin

Notes:
1. Riser can be cut down in 1" (25mm) increments.
2. Maximum capacity including riser 27.82 gallons.
3. Add 12" (300mm) to all heights if using riser.
4. Outlet flow rates will be higher due to increased depth - contact ACO Sales Office for more details.

End Cap
0.20" (5mm)
20.47" (520mm)
Bell end to fit 6", 8" or 10" Sch. 40 pipes
1.25" (32mm)

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ACO Specification Information

ACO DRAIN

KlassikDrain - K300 Galvanized steel edge rail channel system

Description	Part No.	Invert Inches[2]	Invert mm[2]	Weight Lbs.	Description	Part No.	Invert Inches[2]	Invert mm[2]	Weight Lbs.
K3-00 Neutral channel - 39.37" (1m)[2]	76041	11.81	300	132.6	K3-28 Sloped channel - 39.37" (1m)	76028	17.32	440	165.1
K3-1 Sloped channel - 39.37" (1m)	76001	12.01	305	132.6	K3-29 Sloped channel - 39.37" (1m)	76029	17.52	445	166.3
K3-2 Sloped channel - 39.37" (1m)	76002	12.20	310	133.8	K3-30 Sloped channel - 39.37" (1m)[1]	76030	17.72	450	167.5
K3-3 Sloped channel - 39.37" (1m)	76003	12.40	315	135.0	**K3-030 Neutral channel - 39.37" (1m)[2]**	76047	17.72	450	167.5
K3-4 Sloped channel - 39.37" (1m)	76004	12.60	320	136.2	**K3-0303 Neutral channel - 19.69" (0.5m)[2]**	76048	17.72	450	89.5
K3-5 Sloped channel - 39.37" (1m)[1]	76005	12.80	325	137.4	K3-31 Sloped channel - 39.37" (1m)	76031	17.91	455	168.7
K3-6 Sloped channel - 39.37" (1m)	76006	12.99	330	138.6	K3-32 Sloped channel - 39.37" (1m)	76032	18.11	460	169.9
K3-7 Sloped channel - 39.37" (1m)	76007	13.19	335	139.8	K3-33 Sloped channel - 39.37" (1m)	76033	18.31	465	171.1
K3-8 Sloped channel - 39.37" (1m)	76008	13.39	340	141.0	K3-34 Sloped channel - 39.37" (1m)	76034	18.50	470	172.3
K3-9 Sloped channel - 39.37" (1m)	76009	13.58	345	142.2	K3-35 Sloped channel - 39.37" (1m)[2]	76035	18.70	475	173.5
K3-10 Sloped channel - 39.37" (1m)[2]	76010	13.78	350	143.4	K3-36 Sloped channel - 39.37" (1m)	76036	18.90	480	174.7
K3-010 Neutral channel - 39.37" (1m)[2]	76043	13.78	350	143.4	K3-37 Sloped channel - 39.37" (1m)	76037	19.09	485	175.9
K3-0103 Neutral channel - 19.69" (0.5m)[2]	76044	13.78	350	75.3	K3-38 Sloped channel - 39.37" (1m)	76038	19.29	490	177.1
K3-11 Sloped channel - 39.37" (1m)	76011	13.98	355	144.6	K3-39 Sloped channel - 39.37" (1m)	76039	19.49	495	178.3
K3-12 Sloped channel - 39.37" (1m)	76012	14.17	360	145.8	K3-40 Sloped channel - 39.37" (1m)[2]	76040	19.69	500	179.5
K3-13 Sloped channel - 39.37" (1m)	76013	14.37	365	147.0	**K3-040 Neutral channel - 39.37" (1m)[2]**	76049	19.69	500	179.5
K3-14 Sloped channel - 39.37" (1m)	76014	14.57	370	148.2	**K3-0403 Neutral channel - 19.69" (0.5m)[2]**	76050	19.69	500	97.7
K3-15 Sloped channel - 39.37" (1m)[2]	76015	14.76	375	149.4	K3-903G In-line catch basin - 19.69" (0.5m)[3]	94614	37.40	950	88.0
K3-16 Sloped channel - 39.37" (1m)	76016	14.96	380	150.6	K3-904G In-line catch basin - 19.69" (0.5)[4]	94635	37.40	950	98.0
K3-17 Sloped channel - 39.37" (1m)	76017	15.16	385	151.8	K3-Series 600 Optional plastic riser	99902	-	-	10.0
K3-18 Sloped channel - 39.37" (1m)	76018	15.35	390	153.0	Foul air trap - fits both 900 & 600 series basins	90854	-	-	1.2
K3-19 Sloped channel - 39.37" (1m)	76019	15.55	395	154.2	Universal end cap	96826	15.71	399	2.5
K3-20 Sloped channel - 39.37" (1m)[2]	76020	15.75	400	155.4	K3-Installation device	97479	-	-	4.9
K3-020 Neutral channel - 39.37" (1m)[2]	76045	15.75	400	155.4	Grate removal tool	01318	-	-	0.3
K3-0203 Neutral channel - 19.69" (0.5m)[2]	76046	15.75	400	82.3	K3-QuickLok locking bar	10458	-	-	0.7
K3-21 Sloped channel - 39.37" (1m)	76021	15.94	405	156.7					
K3-22 Sloped channel - 39.37" (1m)	76022	16.14	410	157.9					
K3-23 Sloped channel - 39.37" (1m)	76023	16.34	415	159.1					
K3-24 Sloped channel - 39.37" (1m)	76024	16.54	420	160.3					
K3-25 Sloped channel - 39.37" (1m)[2]	76025	16.73	425	161.5					
K3-26 Sloped channel - 39.37" (1m)	76026	16.93	430	162.7					
K3-27 Sloped channel - 39.37" (1m)	76027	17.13	435	163.9					

Notes:
1. This channel offers a bottom knockout feature; 6" & 8" round
2. Inverts shown are for the male end; for female invert depth subtract 5mm (≈0.2") from the male invert (except for neutral channels, where it will be same as male invert). To calculate the overall channel depth add 20mm (≈0.8") to invert depth.
3. This catch basin kit includes a polymer concrete top, removable Quicklok locking bar, trash bucket and plastic base. Select an appropriate grate.
4. This catch basin kit includes a polymer concrete top, removable Quicklok locking bar, deep trash bucket, plastic riser and plastic base. Select an appropriate grate.

Specifications

General
The surface drainage system shall be ACO Drain K300 complete with gratings secured with 'QuickLok' locking as manufactured by ACO, Inc. or approved equal.

Materials
The trench system bodies shall be manufactured from polyester polymer concrete with the minimum properties as follows:

Compressive strength: 14,000 psi
Flexural strength: 4,000 psi
Water absorption 0.07%
Frost proof YES
Salt proof YES
Dilute acid and alkali resistant YES

The nominal clear opening shall be 12" (300mm) with overall width of 14.17" (360mm). Pre-cast units shall be manufactured with either an invert slope of 0.5% or with neutral invert and have a wall thickness of at least 0.50" (13mm). Each unit will feature a partial radius in the trench bottom and a male to female interconnecting end profile. Units shall have horizontal cast in anchoring keys on the outside wall to ensure maximum mechanical bond to the surrounding bedding material and pavement surface. The galvanized steel edge rail will be integrally cast in by the manufacturer to ensure maximum homogeneity between polymer concrete body and edge rail. Each edge rail shall be at least 3/32" (4mm) thick.

Grates
Grates shall be specified. See separate ACO Spec Info grate sheets for details. After removal of grates and 'QuickLok' bar there shall be uninterrupted access to the trench to aid maintenance.

Installation
The trench drain system shall be installed in accordance with the manufacturer's installation instructions and recommendations.

ACO, Inc.
Northeast Sales Office: 9470 Pinecone Drive, Mentor, OH 44060, Tel: (440) 639-7230, Toll free: (800) 543-4764, Fax: (440) 639-7235
West Sales Office: 825 W. Beechcraft St., Casa Grande, AZ 85122, Tel: (520) 421-9988, Toll Free: (888) 490-9552, Fax: (520) 421-9899
Southeast Sales Office: 4211 Pleasant Road, Fort Mill, SC 29708, Toll free: (800) 543-4764, Fax: (803) 802-1063
Electronic Contact: info@ACODrain.us www.ACODrain.us

SPEC INFO ACO

April 2018 www.ACODrain.us

ACO DRAIN

Type 876D Longitudinal ductile iron grate (ADA)

Product Features

- Certified to EN 1433 Load Class C - 56,000 lbs - 968 psi
- Uses 'DrainLok' boltless locking system
- Suitable for use with K300, KS300, H300K-13, and H300KS-13 channels and 621G, 621S, 631G, 631S catch basins
- Manufactured from ductile iron to ASTM A 536-84 - Grade 65-45-12
- E- coated for improved resistance against rust
- Complies with ADA - American Disabilities Act of 1990 Section 4.5.4
- Complies with ASME: A112.6.3 - 2001: Section 7.12
  Heel Resistant Strainers and Grates
- Bicycle Tire Penetration Resistant to AS 3996 - 2006

Specifications

General
The surface drainage system shall be ACO Drain K300, KS300, H300K-13, and H300KS-13, channels* and 621G, 621S, 631G, and 631S catch basins complete with ACO Type 876D longitudinal ductile iron grate with 'DrainLok' locking as manufactured by ACO Polymer Products, Inc. or similar approved.

Materials
The covers shall be manufactured from ductile iron and have **minimum** properties as follows:

- ***Independently certified to meet Load Class C to EN 1433 - 56,000 lbs - 1,162 psi***
- ***Ductile iron to ASTM A 536-84 - Grade 65-45-12***
- ***Intake area of 64.3 sq. in. (414.83 cm²) per half meter of grate***

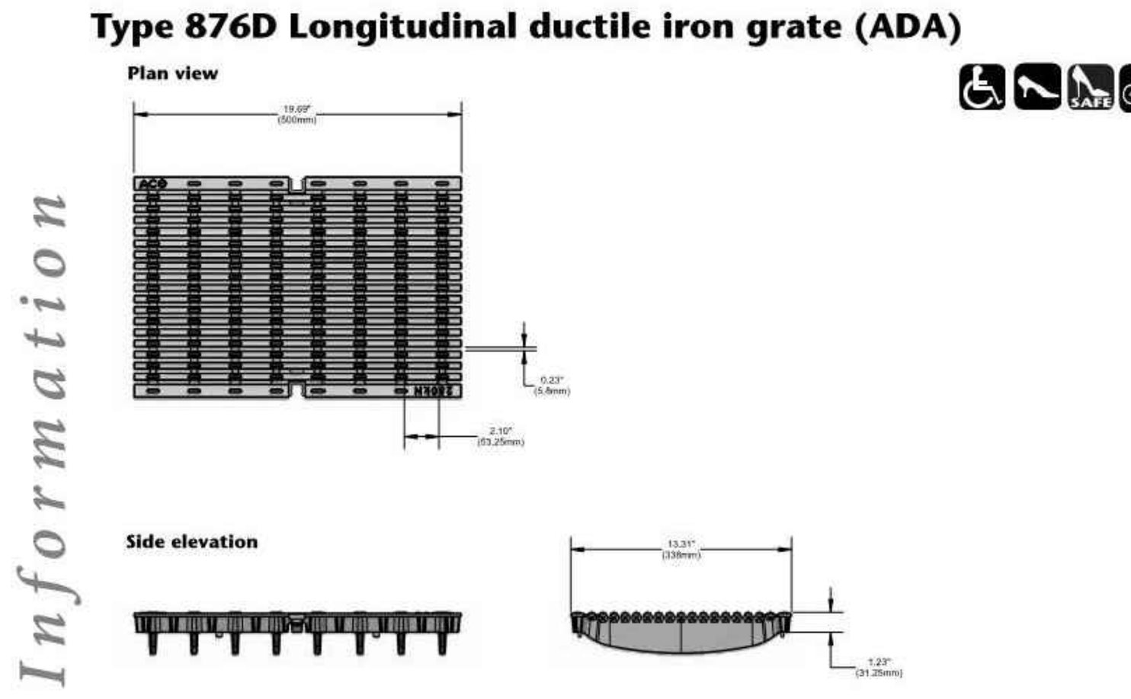
The overall width of 13.31" (338mm) and overall length of 19.69" (500mm). Slots measure at 0.24" by 1.97".
Installation
The trench drain system and grates shall be installed in accordance with the manufacturer's installation instructions and recommendations.
* delete as appropriate

November 2016 www.ACODrain.us

ACO Specification Information

ACO DRAIN

Type 876D Longitudinal ductile iron grate (ADA)



Description	Part No.	Length inches *(mm)*	Width inches *(mm)*	Weight lbs.
DrainLok grate Type 876D Ductile iron longitudinal grate	**99588**	19.69 (500)	13.31 (338)	35.0

'DrainLok' locking mechanism

ACO DrainLok™ is a patented, boltless locking system that removes the need for bolts and bars and improves the hydraulic capacity of the channel. The DrainLok™ mechanism simply clips into the channel edge rail for rapid installation. ACO DrainLok™ grates are fitted with an anti-shunt mechanism that restricts unwanted grate movement when installed, improving durability and longevity of the system.

ACO Polymer Products, Inc.
Northeast Sales Office: 9470 Pinecone Drive, Mentor, OH 44060, Tel: (440) 639-7230, Toll free: (800) 543-4764, Fax: (440) 639-7235
West Sales Office: 825 W. Beechcraft St., Casa Grande, AZ 85122, Tel: (520) 421-9988, Toll Free: (888) 490-9552, Fax: (520) 421-9899
Southeast Sales Office: 4211 Pleasant Road, Fort Mill, SC 29708, Toll free: (800) 543-4764, Fax: (803) 802-1063
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10 ACO K300 TRENCH DRAIN AND GRATE N.T.S

EXCERPTS FROM GEOTECHNICAL REPORT

Shrinkage of soils affected by compaction is estimated to be about 10% based on an anticipated average compaction of 92%. Shrinkage from removal of any existing subsurface structures is not included in these figures.

Utility trench backfill should be governed by the provisions of this report relating to minimum compaction standards. In general, on-site service lines may be backfilled with native soils compacted to 90% of the maximum dry density. Backfill of offsite service lines will be subject to the specifications of the jurisdictional agency or this report, whichever are greater.

Compaction tests shall be made to determine the relative compaction of the fills, subgrade soils, and utility trench backfills in accordance with the following minimum guidelines: one test for each two-foot vertical lift, one test for each 1,000 cubic yards of material placed, one test per two-foot vertical lift per 250 lineal feet of utility trench backfill, and four tests at finished subgrade elevation of each field.

It is recommended that Earth Systems be retained to provide Geotechnical Engineering services during the site development, drain installation, and grading phases of the work to observe compliance with the design concepts, specifications and recommendations, and to allow design changes in the event that subsurface conditions differ from those anticipated prior to the start of construction.

GRADING RECOMMENDATIONS FOR BUILDINGS, ENTRY GATES, AND PAVEMENTS

Grading at a minimum should conform to the 2016 California Building Code.

The existing ground surface should be initially prepared for grading by removing all vegetation, trees, large roots, debris, other organic material and non-complying fill. Organics and debris should be stockpiled away from areas to be graded, and ultimately removed from the site to prevent their inclusion in fills. Voids created by removal of such material should be properly backfilled and compacted. No compacted fill should be placed unless the underlying soil has been observed by the Geotechnical Engineer.

Overexcavation and recompaction of soils in the building area will be necessary to decrease the potential for differential settlement and provide more uniform bearing conditions. Soils should be overexcavated to a depth of 4.5 feet below finished subgrade elevation throughout the entire

building area, and to a distance of 5 feet beyond the perimeter of each building. The resulting surface should then be scarified an additional 6 inches, moisture conditioned, and recompacted to at least 90% of the maximum dry density. The intent of these recommendations is to have a minimum of 5 feet of compacted soil below the building.

Overexcavation and recompaction of soils under and around pier footings and site walls near the entry gates will also be necessary. Soils should be overexcavated to a depth of 4.5 feet below finished subgrade elevation, and to a distance of 3 feet on either side of the footing edges. The resulting surface should then be scarified an additional 6 inches, moisture conditioned, and recompacted to at least 90% of the maximum dry density.

Areas outside of the building area to receive fill, exterior slabs-on-grade, sidewalks, or paving should be overexcavated to a depth of 1.5 feet below finished subgrade elevation. The resulting surface should then be scarified an additional 6 inches, moisture conditioned, and recompacted. Because the expansion index of on-site soils is in the "very low" range, no aggregate base will be required below sidewalks. (Recommendations for structural paving sections for pavements subjected to vehicular traffic are provided elsewhere in this report.)

The bottoms of all excavations should be observed by a representative of this firm prior to processing or placing fill.

On-site soils may be used for fill once they are cleaned of all organic material, rock, debris, and irreducible material larger than 8 inches.

Fill and backfill should be placed at, or slightly above optimum moisture in layers with loose thickness not greater than 8 inches. Each layer should be compacted to a minimum of 90% of the maximum dry density obtainable by the ASTM D 1557 test method. The upper one foot of subgrade below areas to be paved should be compacted to a minimum of 95% of the maximum dry density.

Import soils used to raise site grade should be equal to, or better than, on-site soils in strength, expansion, and compressibility characteristics. Import soil can be evaluated, but will not be prequalified by the Geotechnical Engineer. Final comments on the characteristics of the import will be given after the material is at the project site.

If pumping soils or otherwise unstable soils are encountered during the overexcavation, stabilization of the excavation bottom will be required prior to placing fill. This can be accomplished by various means. The first method would include drying the soils as much as possible through scarification, and working thin lifts of "6-inch minus" crushed angular rock into the excavation bottom with small equipment (such as a D-4) until stabilization is achieved. Use of a geotextile fabric such as Mirafi 500X, or Tensar TX-160, or an approved equivalent, is another possible means of stabilizing the bottom. If this material is used, it should be laid on the excavation bottom and covered with approximately 12 inches of "3-inch minus" crushed angular rock prior to placement of filter fabric (until the bottom is stabilized). The rock should then be covered with a geotextile filter fabric before placing fill above. It is anticipated that stabilization will probably be necessary due to the existing high moistures of the soils, and due to the shallow groundwater depth. Unit prices should be obtained from the Contractor in advance for this work.

Utility trench backfill should be governed by the provisions of this report relating to minimum compaction standards. In general, on-site service lines may be backfilled with native soils compacted to 90% of the maximum dry density. Backfill of offsite service lines will be subject to the specifications of the approved project plans or this report, whichever are greater.

Utility trenches running parallel to footings should be located at least 5 feet outside the footing line, or above a 2:1 (horizontal to vertical) projection downward from a point 9 inches above the outside edge of the bottom of the footing.

Compacted native soils should be utilized for backfill below structures. Sand should not be used under structures because it provides a conduit for water to migrate under foundations.

Backfill operations should be observed and tested by the Geotechnical Engineer to monitor compliance with these recommendations.

GEOTECHNICAL DESIGN PARAMETERS FOR BUILDINGS AND SITE WALLS

Conventional Spread Foundations
Conventional continuous footings and/or isolated pad footings may be used to support structures. For one-story buildings, perimeter and interior footings should have minimum depths of 12 inches.

the backs of walls could be lined with geodrain systems. The backdrains should extend from the bottoms of the walls to about 18 inches from finished backfill grade. Waterproofing may aid in reducing the potential for efflorescence on the faces of retaining walls.

Compaction on the uphill sides of walls within a horizontal distance equal to one wall height should be performed by hand-operated or other lightweight compaction equipment. This is intended to reduce potential "locked-in" lateral pressures caused by compaction with heavy grading equipment.

SETTLEMENT CONSIDERATIONS

Maximum settlements of about one inch are anticipated for foundations and floor slabs designed as recommended. (It should be noted that these values do not include potential seismic- or liquefaction-induced settlements.) Differential settlement between adjacent load bearing members should be expected to range up to about one-half the total settlement.

If the preliminary recommendations for foundation design and construction are followed, settlement of the piers should not exceed approximately 0.5 inch under static conditions. Differential settlement of neighboring pier footings of varying loads, depths or sizes may be as high as fifty percent of the total static settlement over a distance of about 30 feet.

DESIGN VALUES FOR FENCEPOST PIER FOOTINGS IN NON-COMPACTED AREAS

Pier footings to support fence posts that are drilled into native soils may be designed for passive pressures of 100 psf per foot below natural grade. This value is based on presumptive parameters provided in the California Building Code for clay soils.

PRELIMINARY ASPHALT PAVING SECTIONS FOR PARKING SPACES AND ACCESS ROADS

Assuming a Traffic Index of 5 for areas to be used for light duty parking spaces, and using the measured R-Value of 12, paving sections should have a minimum gravel equivalent of 1.41 feet. This can be achieved by using 3 inches of asphaltic concrete on 9 inches of Processed Miscellaneous Base (PMB) compacted to a minimum of 95% of the maximum dry density on subgrade soils compacted to a minimum of 95% of the maximum dry density.

For fire lanes and drive lanes in new pavements with an assumed Traffic Index of 6.5, paving sections should have a minimum gravel equivalent of 1.83 feet. This can be achieved by using 4 inches of asphaltic concrete on 12 inches of Processed Miscellaneous Base (PMB) compacted to a minimum of 95% of the maximum dry density on subgrade soils compacted to a minimum of 95% of the maximum dry density.

The preliminary paving sections provided above have been designed for the type of traffic indicated. If the pavement is placed before construction on the project is complete, construction loads, which could increase the Traffic Indices above those assumed above, should be taken into account.

PRELIMINARY CONCRETE PAVING SECTIONS

Concrete paving sections provided below have been based on an assumed design life of 20 years and have been calculated for the measured R-Value of 12 (approximately equivalent to a coefficient of subgrade reaction of k = 110 pounds per cubic inch) using design methods presented by the American Concrete Institute (ACI 330R-87). For an assumed Traffic Index of 5 (for light traffic with the heaviest vehicles limited to UPS type trucks), the following minimum unreinforced paving section was determined:

1. Concrete thickness = 5 inches
2. Aggregate base thickness under concrete = 4 inches
3. Compressive strength of concrete, fc = 3,500 psi at 28 days
4. Modulus of flexural strength of 3,500 psi concrete = 530 psi
5. Maximum spacing of contraction joints, each way= 12.5 feet

For an assumed Traffic Index of 6.5 (for traffic that includes fire trucks), the following minimum unreinforced paving section was determined:

1. Concrete thickness = 6 inches
2. Aggregate base thickness under concrete = 4 inches
3. Compressive strength of concrete, fc = 3,500 psi at 28 days
4. Modulus of flexural strength of 3,500 psi concrete = 530 psi
5. Maximum spacing of contraction joints, each way= 15 feet

If additional resistance to cracking is desired beyond that provided by the contraction joints, steel reinforcement can be added to the pavement section at approximately two inches below the top of concrete; however, reinforcement is not required.

ADDITIONAL SERVICES

This report is based on the assumption that an adequate program of monitoring and testing will be performed by Earth Systems during construction to check compliance with the recommendations given in this report. The recommended tests and observations include, but are not necessarily limited to the following:

1. Review of the grading plans during the design phase of the project.
2. Observation and testing during site preparation, grading, placing of subdrainage systems and engineered fill, and permeable base.
3. Consultation as required during construction.

LIMITATIONS AND UNIFORMITY OF CONDITIONS

The analysis and recommendations submitted in this report are based in part upon the data obtained from the borings drilled on the site. The nature and extent of variations between and beyond the borings may not become evident until construction. If variations then appear evident, it will be necessary to reevaluate the recommendations of this report.

The scope of services did not include any environmental assessment or investigation for the presence or absence of wetlands, hazardous or toxic materials in the soil, surface water, groundwater or air, on, below, or around this site. Any statements in this report or on the soil boring logs regarding odors noted, unusual or suspicious items or conditions observed, are strictly for the information of the client.

Findings of this report are valid as of this date; however, changes in conditions of a property can occur with passage of time whether they are due to natural processes or works of man on this or adjacent properties. In addition, changes in applicable or appropriate standards may occur whether they result from legislation or broadening of knowledge. Accordingly, findings of this report may be invalidated wholly or partially by changes outside our control. Therefore, this report is subject to review and should not be relied upon after a period of 1 year.

In the event that any changes in the nature, design, or locations of the improvements are planned, the conclusions and recommendations contained in this report shall not be considered

valid unless the changes are reviewed and conclusions of this report modified or verified in writing.

This report is issued with the understanding that it is the responsibility of the Owner, or of his representative to ensure that the information and recommendations contained herein are called to the attention of the Architect and Engineers for the project and incorporated into the plan and that the necessary steps are taken to see that the Contractor and Subcontractors carry out such recommendations in the field.

As the Geotechnical Engineers for this project, Earth Systems has striven to provide services in accordance with generally accepted geotechnical engineering practices in this community at this time. No warranty or guarantee is expressed or implied. This report was prepared for the exclusive use of the Client for the purposes stated in this document for the referenced project only. No third party may use or rely on this report without express written authorization from Earth Systems for such use or reliance.

It is recommended that Earth Systems be provided the opportunity for a general review of final design and specifications in order that earthwork and foundation recommendations may be properly interpreted and implemented in the design and specifications. If Earth Systems is not accorded the privilege of making this recommended review, it can assume no responsibility for misinterpretation of the recommendations contained herein.

SITE-SPECIFIC BIBLIOGRAPHY

Earth Systems Consultants Southern California, March 6, 1997, Updated Engineering Geology and Geotechnical Engineering Report for Oxnard Growth High School, Gonzales Road East of Oxnard Boulevard, Oxnard, California (Job No. SS-19850-V1).

Earth Systems Southern California, January 14, 2011, Engineering Geology and Geotechnical Engineering Report for Two Proposed Solar Arrays at Pacifica High School, 600 East Gonzales Road, Oxnard, California (Job No. VT-24515-01).

GENERAL BIBLIOGRAPHY

American Concrete Institute (ACI), 2009, ACI 318-14.

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PROJECT NAME
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600 E. GONZALES RD, OXNARD, CA. 93036

CONSULTANT

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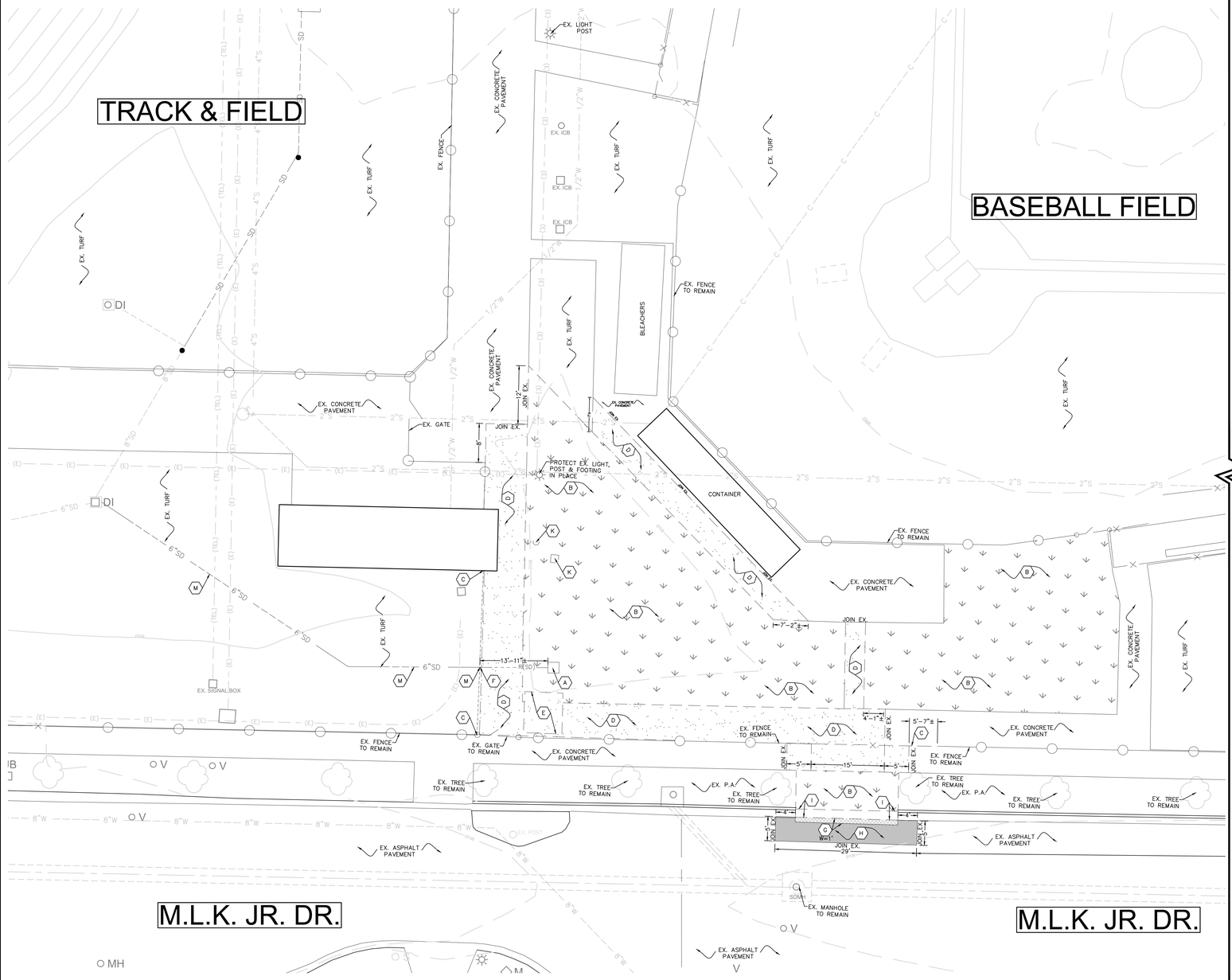
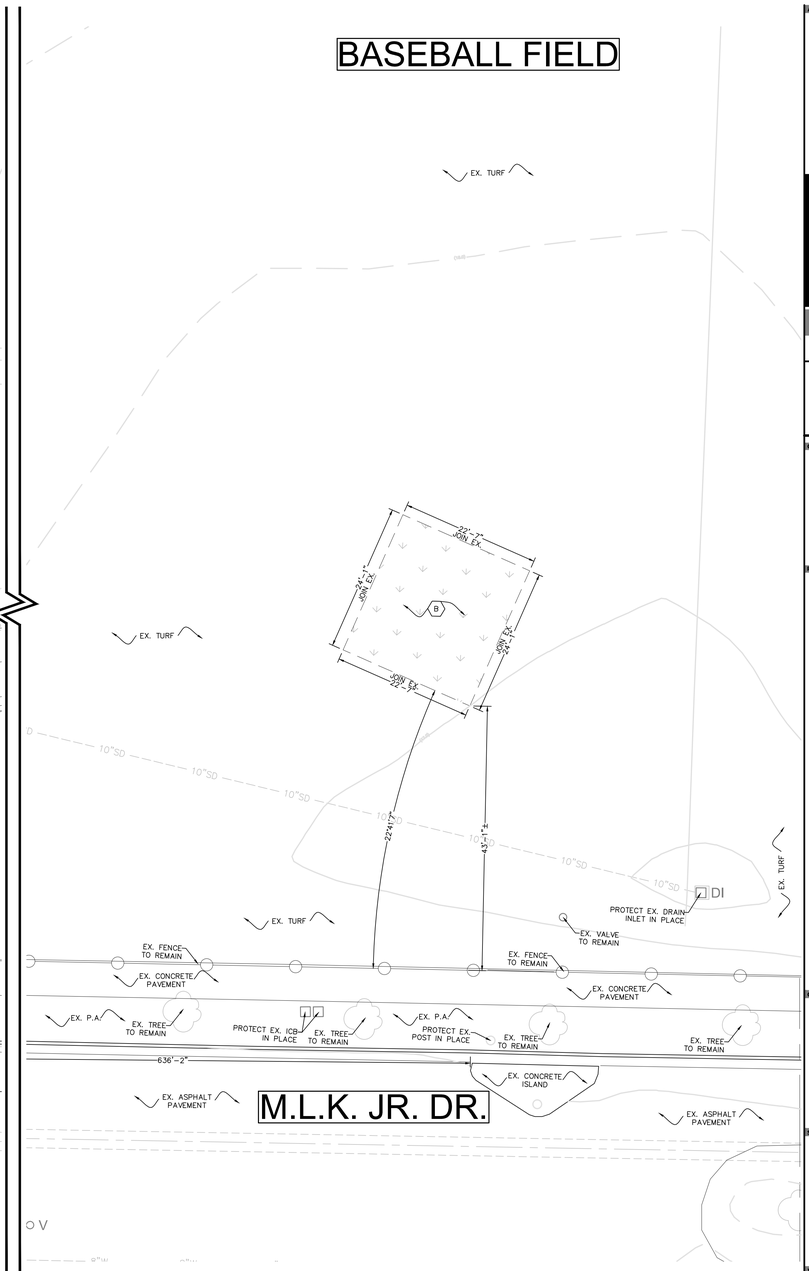
PROJECT NO.
6121235303

SHEET TITLE
NOTES & DETAILS

SHEET NUMBER
C1.1



1 PLAN AREA #1



3 PLAN AREA #3

DEMOLITION KEYNOTES:

A	REMOVE EXISTING STORM DRAIN INLET AND LATERAL AND CAP THE CONNECTION POINT AT THE MAIN (PIPING).	G	SAWCUT AND REMOVE FULL DEPTH ASPHALT TO THE TOP OF THE BASE LAYER. SEE DETAIL "1/C1.1" FOR ADDITIONAL INFORMATION.
B	REMOVE EXISTING VEGETATION, TURF, DIRT AND SAND AREAS WITHIN THE GIVEN VICINITY.	H	COLDMILL EXISTING A.C. PAVEMENT (1.5" THICK) PER DETAIL "1/C1.1'.
C	REMOVE EXISTING FENCE AND GATE IN AREA OF NEW GATEWAY AND VEHICULAR GATE. INCLUDES POST AND FOOTINGS, REMOVE TO NEAREST POST, VERIFY IN THE FIELD.	I	SAWCUT AND REMOVE EXISTING CONCRETE CURB AND GUTTER.
D	SAWCUT AND REMOVE EXISTING CONCRETE PAVEMENT, BASE & SUBGRADE AS NEEDED TO CONSTRUCT THE NEW IMPROVEMENTS AS SHOWN ON CONSTRUCTION PLANS.	J	SAWCUT AND REMOVE EXISTING CONCRETE CURB.
E	REMOVE EXISTING SHED IN THE AREA OF THE NEW GATEWAY, INCLUDES ASSOCIATED CONCRETE SLAB AND FOOTINGS.	K	RELOCATE EXISTING REMOTE CONTROL VALVES AND QUICK COUPLER VALVES OUT OF NEW CONCRETE PAVING AREAS (SEE CONSTRUCTION PLAN) AND TO EXISTING ADJACENT LANDSCAPE AREAS. REMOTE CONTROL VALVES SHALL BE RECONNECTED TO THEIR EXISTING LATERAL SYSTEM AND CONTROL WIRES. REFER TO SHEET L1.0 FOR FURTHER INFORMATION ON RE-ROUTING OF MAINLINE AND RELOCATION OF EXISTING SPRAY HEADS WITHIN THE WORK AREA.
F	REMOVE EXISTING STORM DRAIN LINE.	L	REMOVE EXISTING STORM DRAIN INLET.
		M	CAP AND ABANDON EXISTING STORM DRAIN LINE. SEAL AND CAP AT BOTH ENDS OF THE LINE.

LEGEND:

EX. STORM DRAIN — 6"SD
EX. GAS — (G)
EX. ELECTRIC — (E)
EX. WATER — 1/2"W
EX. SEWER — (S)
EX. TELEPHONE — (TEL)
REMOVE EX. STORM DRAIN — R(SD)

NORTH

SCALE=1"=10'

0 5 10 20 30

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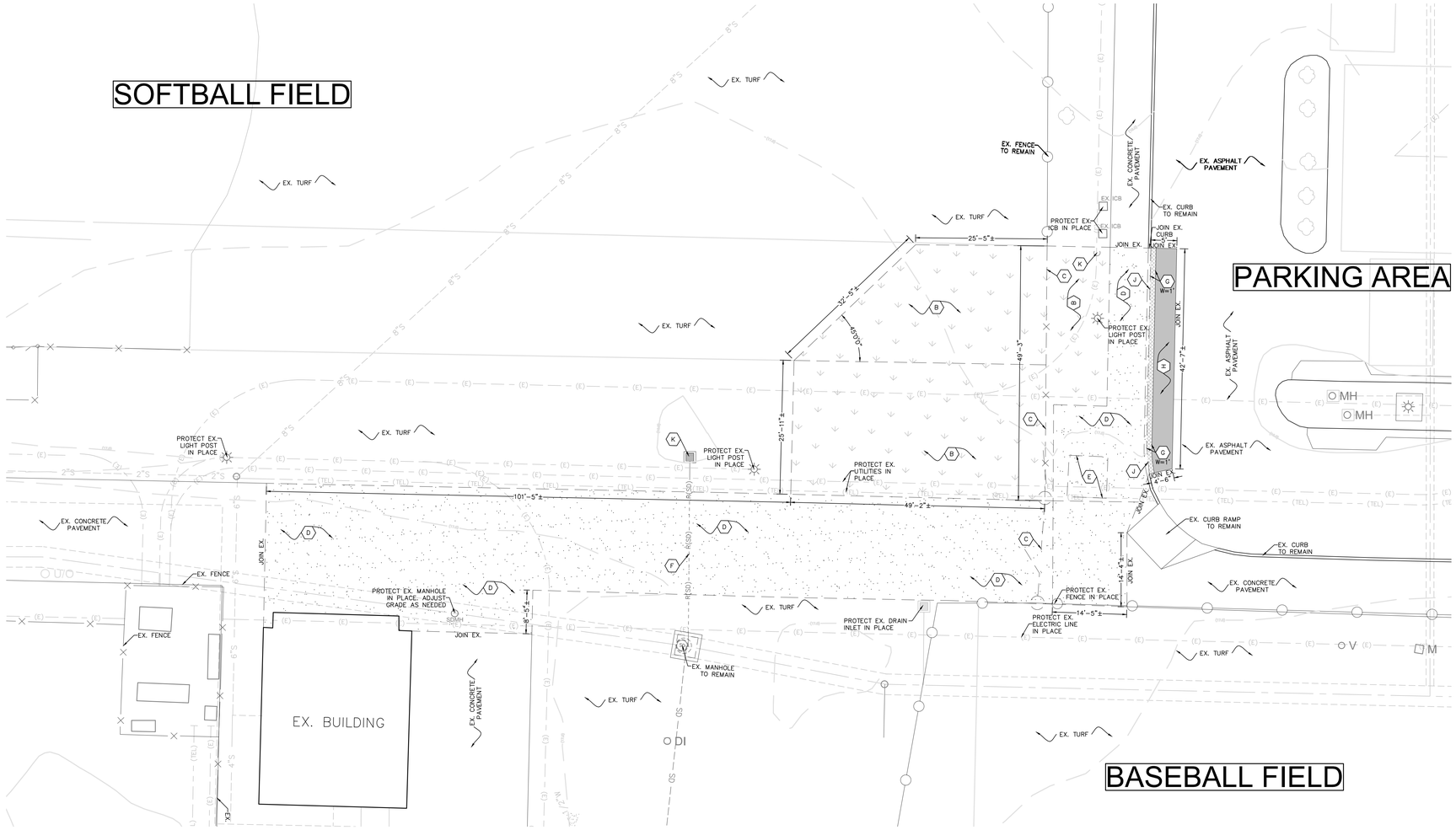
SHEET TITLE
DEMOLITION PLAN

SHEET NUMBER
C2.0



2 PLAN AREA #2

DEMOLITION KEYNOTES:

A	REMOVE EXISTING STORM DRAIN INLET AND LATERAL AND CAP THE CONNECTION POINT AT THE MAIN (PIPING).	G	SAWCUT AND REMOVE FULL DEPTH ASPHALT TO THE TOP OF THE BASE LAYER. SEE DETAIL '1/C1.1' FOR ADDITIONAL INFORMATION.
B	REMOVE EXISTING VEGETATION, TURF, DIRT AND SAND AREAS WITHIN THE GIVEN VICINITY.	H	COLDMILL EXISTING A.C. PAVEMENT (1.5" THICK) PER DETAIL '1/C1.1'.
C	REMOVE EXISTING FENCE AND GATE IN AREA OF NEW GATEWAY AND VEHICULAR GATE. INCLUDES POST AND FOOTINGS, REMOVE TO NEAREST POST, VERIFY IN THE FIELD.	I	SAWCUT AND REMOVE EXISTING CONCRETE CURB AND GUTTER.
D	SAWCUT AND REMOVE EXISTING CONCRETE PAVEMENT, BASE & SUBGRADE AS NEEDED TO CONSTRUCT THE NEW IMPROVEMENTS AS SHOWN ON CONSTRUCTION PLANS.	J	SAWCUT AND REMOVE EXISTING CONCRETE CURB.
E	REMOVE EXISTING SHED IN THE AREA OF THE NEW GATEWAY, INCLUDES ASSOCIATED CONCRETE SLAB AND FOOTINGS.	K	RELOCATE EXISTING REMOTE CONTROL VALVES AND QUICK COUPLER VALVES OUT OF NEW CONCRETE PAVING AREAS (SEE CONSTRUCTION PLAN) AND TO EXISTING ADJACENT LANDSCAPE AREAS. REMOTE CONTROL VALVES SHALL BE RECONNECTED TO THEIR EXISTING LATERAL SYSTEM AND CONTROL WIRES. REFER TO SHEET L1.0 FOR FURTHER INFORMATION ON RE-ROUTING OF MAINLINE AND RELOCATION OF EXISTING SPRAY HEADS WITHIN THE WORK AREA.
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		M	CAP AND ABANDON EXISTING STORM DRAIN LINE. SEAL AND CAP AT BOTH ENDS OF THE LINE.

LEGEND:

EX. STORM DRAIN — 6"SD
EX. GAS — (G)
EX. ELECTRIC — (E)
EX. WATER — 1/2"W
EX. SEWER — (S)
EX. TELEPHONE — (TEL)
REMOVE EX. STORM DRAIN — R(SD)

NORTH

SCALE=1"=10'

0 5 10 20 30

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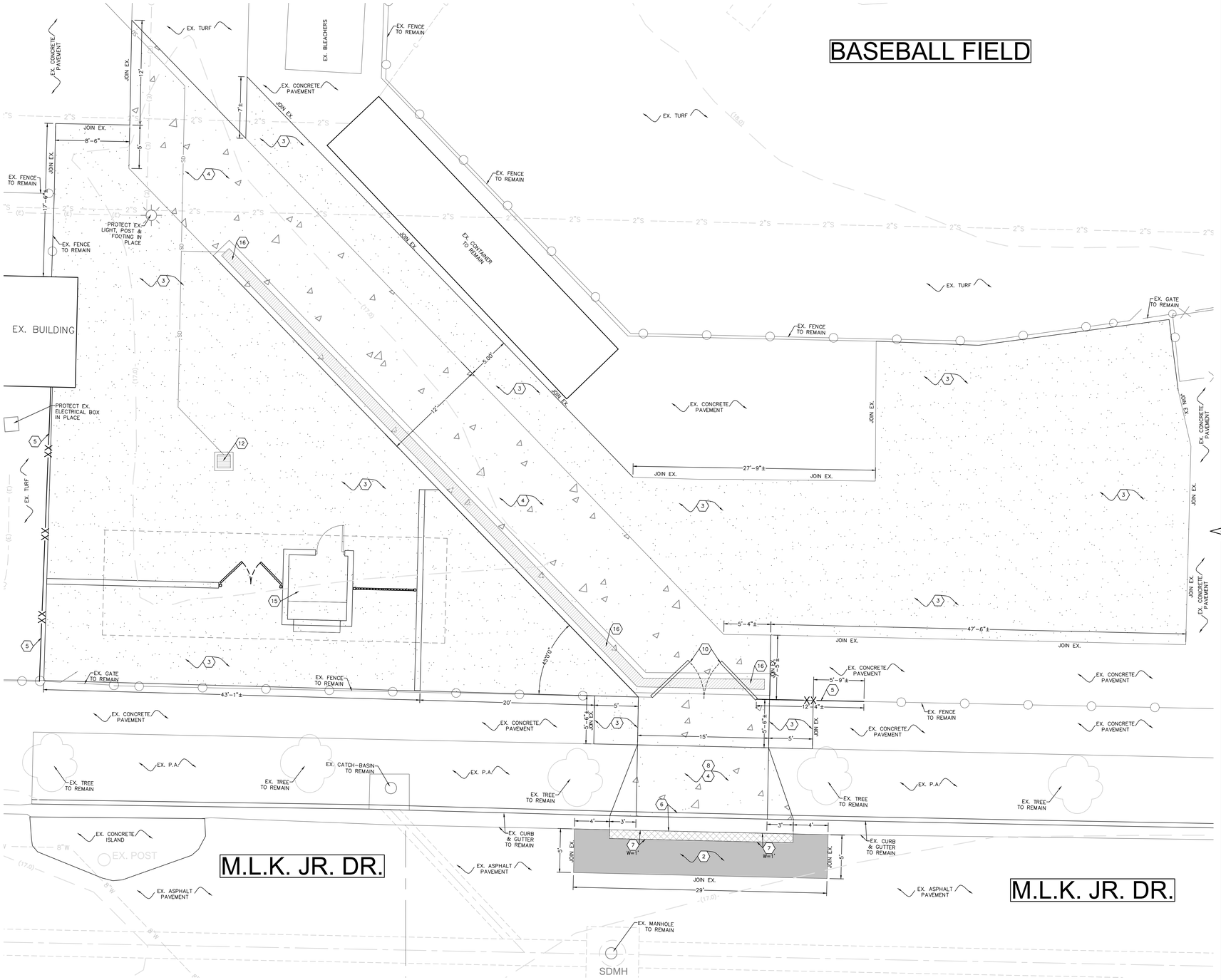
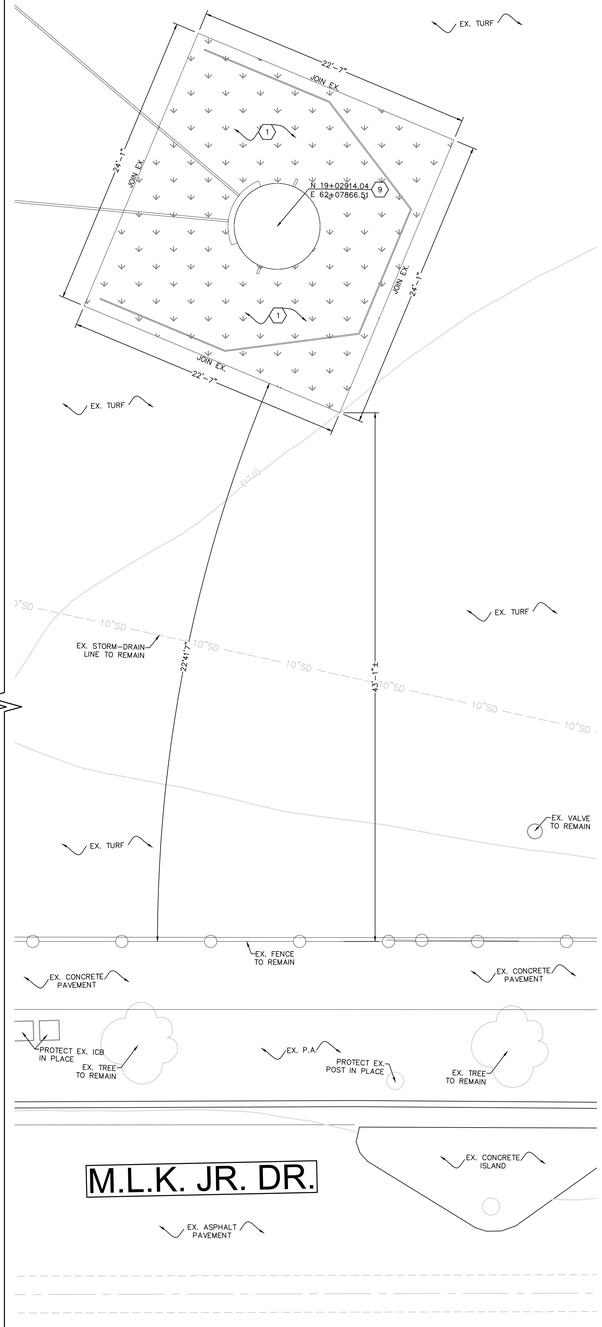


1 PLAN AREA #1



3 PLAN AREA #3

CONSTRUCTION KEYNOTES (FURNISH & INSTALL):

1	NEW LANDSCAPE AND PLANTING MATCHING EXISTING ADJOINING SITE PLANTING. CONTRACTOR SHALL EXTEND EXISTING IRRIGATIONS SYSTEM TO NEW PLANTER IF NEEDED. CONTRACTOR SHALL PERFORM NECESSARY TESTING TO ENSURE THAT IRRIGATION SYSTEM IS WORKING PROPERLY. CONTRACTOR SHALL FIELD VERIFY AND LOCATE THE EXISTING IRRIGATION AND ELECTRICAL SYSTEM THAT IS IN CONFLICT WITH PROPOSED WORK AND NOTIFY THE OWNER 48 HOURS IN ADVANCE FOR WATER SHUT OFF. REMOVE/RELOCATE EXISTING IRRIGATION AND ELECTRICAL SYSTEM, AS NEEDED TO COMPLETE THE NEW WORK. CONTRACTOR SHALL FURNISH & INSTALL ALL NECESSARY MATERIAL TO ENSURE THE REMAINING OF THE LANDSCAPE AREA IS IRRIGATED. CONTRACTOR SHALL REMOVE AND REPLACE EXISTING DAMAGED LANDSCAPE, IRRIGATION AND ELECTRICAL SYSTEM LIKE FOR LIKE.		5	NEW FENCE AND/OR GATE. HEIGHTS AND DETAILS PER ARCHITECTURAL PLANS.		12	NEW STORM DRAIN INLET. REFER TO GRADING & STORM DRAIN PLANS FOR FURTHER INFORMATION.	
2	1.5" ASPHALT OVERLAY. CONTRACTOR SHALL ADJUST LIDS AND COVERS OF ALL EXISTING SURFACE UTILITIES TO NEW GRADE AS NEEDED.	1 C1.1	6	NEW CONCRETE CURB AND GUTTER PER CITY OF OXNARD STANDARD PLAN 2002 PLATE 111.	7 C1.1	13	NEW 6" WIDE CONCRETE CURB. SEE GRADING PLAN FOR ELEVATIONS.	3 C1.1
3	NEW CONCRETE PAVING W/ MEDIUM BROOM FINISH AND A 5FTX5FT TOOLED SCORING PATTERN. CONCRETE SECTION SHALL BE (4") W/ #3 REBAR @ 18" O.C. EA. WAY. CONCRETE PAVING AT NEW PLAZA AREA SHALL BE NATURAL GREY	4 C1.1	7	NEW FULL DEPTH A.C. PAVEMENT. MATCH EXISTING A.C. PAVEMENT SECTION LIKE FOR LIKE.	1 C1.1	14	NEW MAIN GATEWAY STRUCTURE PER ARCHITECTURE PLANS.	
4	NEW (12FT) WIDE VEHICULAR CONCRETE PAVING. PAVING SECTION SHALL BE (6") CONCRETE OVER (6") A.B. REINFORCE WITH #4 @ 18" O.C. EA. WAY.	5 C1.1	8	NEW (15FT) WIDE CONCRETE DRIVEWAY PER SPPWC DRIVEWAY APPROACH STANDARD PLAN 110-2, TYPE-B. SCOPE SHALL INCLUDE PATCH AND REPAIR OF EXISTING TURF AND IRRIGATION IN PARKWAY DAMAGED BY THESE IMPROVEMENTS.	8 C1.1	15	NEW GATEWAY #2 STRUCTURE PER ARCHITECTURE PLANS.	
			9	NEW DISCUSS THROW AREA. SEE ARCHITECT'S DRAWINGS.		16	NEW STORM DRAIN TRENCH DRAIN, TYP. 876D. GRATE SHALL BE TRAFFIC RATED, ADA COMPLIANT, HEAL PROOF. INSTALL BOTTOM OUTLET TYPE AT OUTLET POINT REFER TO GRADING & STORM DRAIN PLANS FOR FURTHER INFORMATION.	10 C1.1
			10	NEW (12FT) WIDE DOUBLE-SWING CHAIN LINK GATE FOR VEHICULAR ACCESS. PROVIDE WITH KNOX BOX. SEE ARCHITECT'S DRAWINGS.				
			11	NEW (15FT) WIDE DOUBLE-SWING CHAIN LINK GATE FOR VEHICULAR ACCESS. PROVIDE WITH KNOX BOX. SEE ARCHITECT'S DRAWINGS.				

LEGEND:

EX. STORM DRAIN 6"SD
EX. GAS (G)
EX. ELECTRIC (E)
EX. WATER 1/2"W
EX. SEWER (S)
EX. TELEPHONE (TEL)
NEW STORM DRAIN SD
NEW DRAIN INLET CATCH BASIN

NORTH

SCALE=1"=5'

0 5 10 20 30

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CONSULTANT

REGISTERED PROFESSIONAL ENGINEER BARBARA BET GOVARDEZ C 81755 EXP 3/31/20 STATE OF CALIFORNIA CIVIL

SEAL

LICENSED ARCHITECT TAI K. TITTMAN NO. C-31824 JULY 30-21 STATE OF CALIFORNIA

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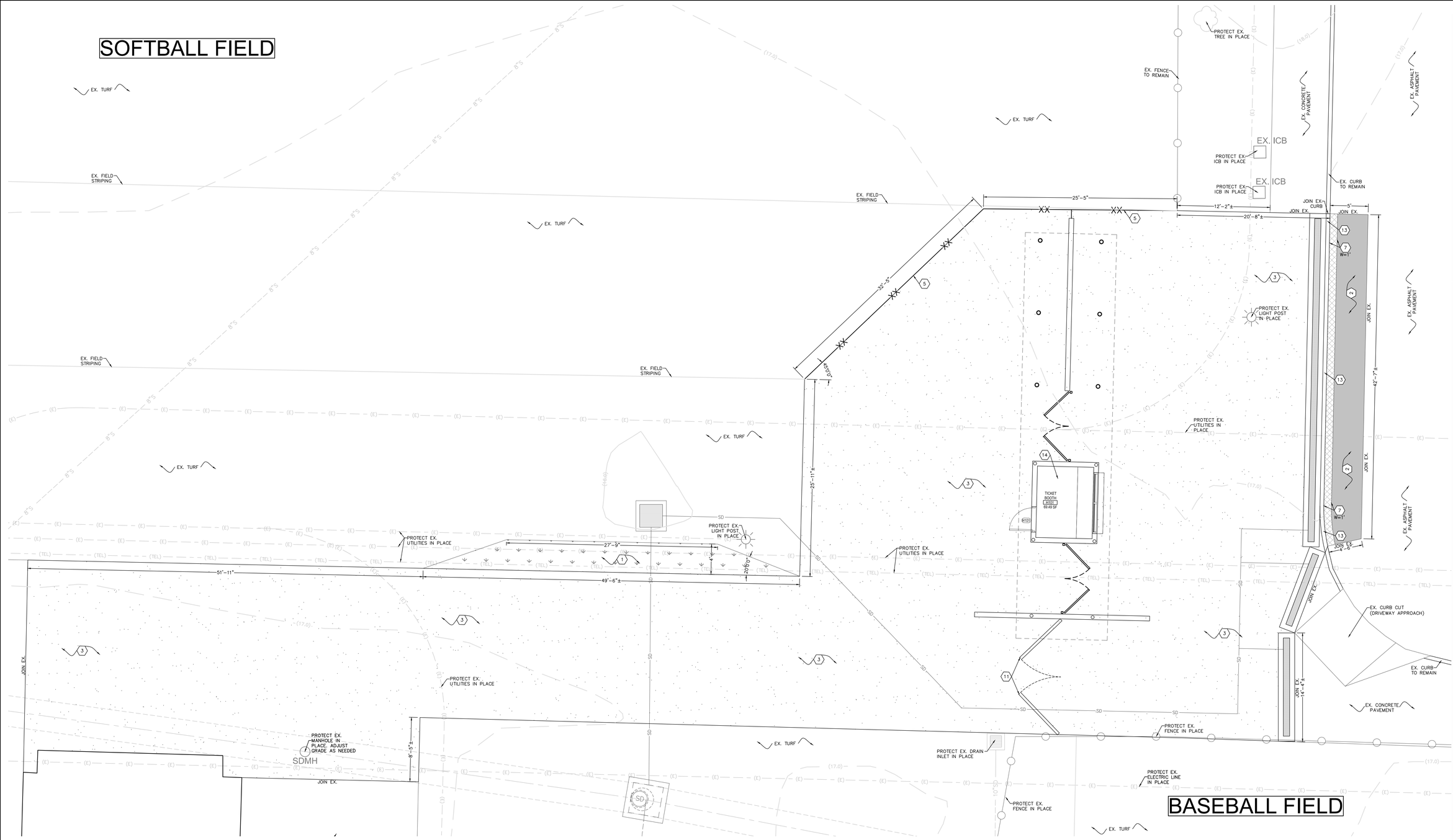
C3.0



2 PLAN AREA #2

CONSTRUCTION KEYNOTES (FURNISH & INSTALL):

1	NEW LANDSCAPE AND PLANTING MATCHING EXISTING ADJOINING SITE PLANTING. CONTRACTOR SHALL EXTEND EXISTING IRRIGATIONS SYSTEM TO NEW PLANTER IF NEEDED. CONTRACTOR SHALL PERFORM NECESSARY TESTING TO ENSURE THAT IRRIGATION SYSTEM IS WORKING PROPERLY. CONTRACTOR SHALL FIELD VERIFY AND LOCATE THE EXISTING IRRIGATION AND ELECTRICAL SYSTEM THAT IS IN CONFLICT WITH PROPOSED WORK AND NOTIFY THE OWNER 48 HOURS IN ADVANCE FOR WATER SHUT OFF. REMOVE/RELOCATE EXISTING IRRIGATION AND ELECTRICAL SYSTEM, AS NEEDED TO COMPLETE THE NEW WORK. CONTRACTOR SHALL FURNISH & INSTALL ALL NECESSARY MATERIAL TO ENSURE THE REMAINING OF THE LANDSCAPE AREA IS IRRIGATED. CONTRACTOR SHALL REMOVE AND REPLACE EXISTING DAMAGED LANDSCAPE, IRRIGATION AND ELECTRICAL SYSTEM LIKE FOR LIKE.		5	NEW FENCE AND/OR GATE. HEIGHTS AND DETAILS PER ARCHITECTURAL PLANS.		12	NEW STORM DRAIN INLET. REFER TO GRADING & STORM DRAIN PLANS FOR FURTHER INFORMATION.	
			6	NEW CONCRETE CURB AND GUTTER PER CITY OF OXNARD STANDARD PLAN 2002 PLATE 111.	7 C1.1	13	NEW 6" WIDE CONCRETE CURB. SEE GRADING PLAN FOR ELEVATIONS.	3 C1.1
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			8	NEW (15FT) WIDE CONCRETE DRIVEWAY PER SPPWC DRIVEWAY APPROACH STANDARD PLAN 110-2, TYPE-B. SCOPE SHALL INCLUDE PATCH AND REPAIR OF EXISTING TURF AND IRRIGATION IN PARKWAY DAMAGED BY THESE IMPROVEMENTS.	8 C1.1	15	NEW GATEWAY #2 STRUCTURE PER ARCHITECTURE PLANS.	
2	1.5" ASPHALT OVERLAY. CONTRACTOR SHALL ADJUST LIDS AND COVERS OF ALL EXISTING SURFACE UTILITIES TO NEW GRADE AS NEEDED.	1 C1.1	9	NEW DISCUSS THROW AREA. SEE ARCHITECT'S DRAWINGS.		16	NEW STORM DRAIN TRENCH DRAIN, TYP. 876D. GRATE SHALL BE TRAFFIC RATED, ADA COMPLIANT, HEAL PROOF. INSTALL BOTTOM OUTLET TYPE AT OUTLET POINT REFER TO GRADING & STORM DRAIN PLANS FOR FURTHER INFORMATION.	10 C1.1
3	NEW CONCRETE PAVING W/ MEDIUM BROOM FINISH AND A 5FTX5FT TOOLED SCORING PATTERN. CONCRETE SECTION SHALL BE (4") W/ #3 REBAR @ 18" O.C. EA. WAY. CONCRETE PAVING AT NEW PLAZA AREA SHALL BE NATURAL GREY	4 C1.1	10	NEW (12FT) WIDE DOUBLE-SWING CHAIN LINK GATE FOR VEHICULAR ACCESS. PROVIDE WITH KNOX BOX. SEE ARCHITECT'S DRAWINGS.				
4	NEW (12FT) WIDE VEHICULAR CONCRETE PAVING. PAVING SECTION SHALL BE (6") CONCRETE OVER (6") A.B. REINFORCE WITH #4 @ 18" O.C. EA. WAY.	5 C1.1	11	NEW (15FT) WIDE DOUBLE-SWING CHAIN LINK GATE FOR VEHICULAR ACCESS. PROVIDE WITH KNOX BOX. SEE ARCHITECT'S DRAWINGS.				

LEGEND:

EX. STORM DRAIN — 6"SD —
EX. GAS — (G) —
EX. ELECTRIC — (E) —
EX. WATER — 1/2"W —
EX. SEWER — (S) —
EX. TELEPHONE
NEW STORM DRAIN — SD —
NEW DRAIN INLET CATCH BASIN

NORTH

SCALE=1"=5'

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SEE SHEET C4.2

BASEBALL FIELDS

M.L.K. JR. DR.

1 PLAN AREA #1

3 PLAN AREA #3

STORM DRAIN KEYNOTES:

1	NEW 6" HDPE STORM DRAIN PIPE, ADS N-12 WITH WATER-TIGHT JOINTS OR APPROVED EQUAL.		6	NEW 36" SQ. CONC. DRAIN INLET WITH DRYWELL. BROOKS 36X36 WITH INLET AND/OR OUTLET AS REQUIRED. GRATE SHALL BE GALV. STEEL, SCREWED-DOWN VANDAL-PROOF AND H-10.	12 / C4.2 13 / C4.2
2	NEW 18" SQ. CONC. DRAIN INLET, BROOKS 18X18 WITH GALV. STEEL, SCREWED-DOWN VANDAL-PROOF, H-10, ADA GRATE, HEEL PROOF, WITH INLET AND/OR OUTLET AS REQUIRED.	9 / C1.1	7	NEW 8" HDPE STORM DRAIN PIPE, ADS N-12 WITH WATER-TIGHT JOINTS OR APPROVED EQUAL.	
3	NEW ACO K300 TRENCH DRAIN. GRATE SHALL BE TRAFFIC RATED, ADA COMPLIANT, HEAL PROOF, MODEL NO. 8760. INSTALL BOTTOM OUTLET. REFER TO GRADING & STORM DRAIN PLANS FOR FURTHER INFORMATION.	10 / C1.1	8	NEW 12" HDPE STORM DRAIN PIPE, ADS N-12 WITH WATER-TIGHT JOINTS OR APPROVED EQUAL.	
4	CONNECT TO EXISTING STORM DRAIN LINE. CONTRACTOR SHALL POTHOLE AND FIELD VERIFY SIZE, TYPE AND DEPTH OF EXISTING WATER LINE PRIOR TO COMMENCING WORK. CONTRACTOR TO FURNISH AND INSTALL ALL NECESSARY MATERIALS TO COMPLETE THE WORK. CONTRACTOR SHALL MAINTAIN EXISTING INVERT ELEVATION AT CONNECTION.		9	NEW 18" HDPE STORM DRAIN PIPE, ADS N-12 WITH WATER-TIGHT JOINTS OR APPROVED EQUAL	
5	NEW ACO K200 TRENCH DRAIN. GRATE SHALL BE TRAFFIC RATED, ADA COMPLIANT, HEAL PROOF, MODEL NO. 6472. INSTALL BOTTOM OUTLET. REFER TO GRADING & STORM DRAIN PLANS FOR FURTHER INFORMATION.	12 / C4.2	10	CONNECT TO EXISTING STORM DRAIN MANHOLE WITH WATER-TIGHT JOINTS. FURNISH & INSTALL ALL NECESSARY MATERIALS.	

LEGEND:

- EX. STORM DRAIN — 6"SD —
- EX. GAS — GAS —
- EX. ELECTRIC — ELEC —
- EX. WATER — 1/2"W —
- EX. SEWER — SS —
- EX. TELEPHONE — TEL —
- NEW STORM DRAIN

NEW GRATE INLET CATCH BASIN

NORTH

SCALE=1"=5'

0 5 10 20 30

AGENCY REVIEW

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP. 03-120009 INC. 02
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 12/12/2019

LITTLE
DIVERSIFIED ARCHITECTURAL CONSULTING

1300 Dove Street, Suite 100
Newport Beach, CA. 92660
T: 949.698.1400

www.littleonline.com

CLIENT NAME

OXNARD UNION HIGH SCHOOL DISTRICT

PROJECT NAME

PACIFICA HIGH SCHOOL TRACK & FIELD IMPROVEMENTS - INC 2

600 E. GONZALES RD, OXNARD, CA. 93036

CONSULTANT

SEAL

ISSUE FOR
DSA SUBMITTAL

ISSUE DATE
12/2/2019

REVISIONS

NO.	REASON	DATE

PROJECT TEAM
PRINCIPAL IN CHARGE
BB
PROJECT MANAGER
BB
DESIGN TEAM
SA, ML, VS, AT

PROJECT NAME
PACIFICA HIGH SCHOOL TRACK & FIELD IMPROVEMENTS - INC 2

PROJECT NO.
6121235303

SHEET TITLE
GRADING AND STORM DRAIN PLAN

SHEET NUMBER
C4.0

SOFTBALL FIELD

EX. TURF
EX. FIELD STRIPING
EX. ASPHALT PAVEMENT
EX. CONCRETE PAVEMENT
EX. FENCE TO REMAIN
PROTECT EX. TREE IN PLACE
EX. ICB
PROTECT EX. ICB IN PLACE
NEW FENCE
PROTECT EX. LIGHT POST IN PLACE
PROTECT EX. UTILITIES IN PLACE
PROTECT EX. MANHOLE IN PLACE, ADJUST GRADE AS NEEDED
SDMH
PROTECT EX. ELECTRIC LINE IN PLACE
PROTECT EX. FENCE IN PLACE
PROTECT EX. DRAIN INLET IN PLACE
TICKET BOOTH 6101 69.49 SF
EX. CURB CUT (DRIVEWAY APPROACH)
EX. BUILDING
JOIN EX.
C.R.

BASEBALL FIELD

2 PLAN AREA #2

STORM DRAIN KEYNOTES:

1	NEW 6" HDPE STORM DRAIN PIPE, ADS N-12 WITH WATER-TIGHT JOINTS OR APPROVED EQUAL.		6	NEW 36" SQ. CONC. DRAIN INLET WITH DRYWELL. BROOKS 36X36 WITH INLET AND/OR OUTLET AS REQUIRED. GRATE SHALL BE GALV. STEEL, SCREWED-DOWN VANDAL-PROOF AND H-10.	11 C4.2 / 13 C4.2
2	NEW 18" SQ. CONC. DRAIN INLET, BROOKS 18X18 WITH GALV. STEEL, SCREWED-DOWN VANDAL-PROOF, H-10, ADA GRATE, HEEL PROOF, WITH INLET AND/OR OUTLET AS REQUIRED.	9 C1.1	7	NEW 8" HDPE STORM DRAIN PIPE, ADS N-12 WITH WATER-TIGHT JOINTS OR APPROVED EQUAL.	
3	NEW ACO K300 TRENCH DRAIN. GRATE SHALL BE TRAFFIC RATED, ADA COMPLIANT, HEAL PROOF, MODEL NO. 876D. INSTALL BOTTOM OUTLET. REFER TO GRADING & STORM DRAIN PLANS FOR FURTHER INFORMATION.	10 C1.1	8	NEW 12" HDPE STORM DRAIN PIPE, ADS N-12 WITH WATER-TIGHT JOINTS OR APPROVED EQUAL.	
4	CONNECT TO EXISTING STORM DRAIN LINE. CONTRACTOR SHALL POTHOLE AND FIELD VERIFY SIZE, TYPE AND DEPTH OF EXISTING WATER LINE PRIOR TO COMMENCING WORK. CONTRACTOR TO FURNISH AND INSTALL ALL NECESSARY MATERIALS TO COMPLETE THE WORK. CONTRACTOR SHALL MAINTAIN EXISTING INVERT ELEVATION AT CONNECTION.		9	NEW 18" HDPE STORM DRAIN PIPE, ADS N-12 WITH WATER-TIGHT JOINTS OR APPROVED EQUAL.	
5	NEW ACO K200 TRENCH DRAIN. GRATE SHALL BE TRAFFIC RATED, ADA COMPLIANT, HEAL PROOF, MODEL NO. 647D. INSTALL BOTTOM OUTLET. REFER TO GRADING & STORM DRAIN PLANS FOR FURTHER INFORMATION.	12 C4.2	10	CONNECT TO EXISTING STORM DRAIN MANHOLE WITH WATER-TIGHT JOINTS. FURNISH & INSTALL ALL NECESSARY MATERIALS.	

LEGEND:

- EX. STORM DRAIN
- EX. GAS
- EX. ELECTRIC
- EX. WATER
- EX. SEWER
- EX. TELEPHONE
- NEW STORM DRAIN
- NEW GRATE INLET CATCH BASIN

NORTH

SCALE=1"=5'

0 5 10 20 30

AGENCY REVIEW

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CLIENT NAME

OXNARD UNION HIGH SCHOOL DISTRICT

PROJECT NAME

PACIFICA HIGH SCHOOL TRACK & FIELD IMPROVEMENTS - INC 2

600 E. GONZALES RD, OXNARD, CA. 93036

CONSULTANT

REGISTERED PROFESSIONAL ENGINEER BARRY BET GOVARES C 61751 EXP. 3-31-20 CIVIL STATE OF CALIFORNIA

SEAL

LICENSED ARCHITECT MATTHEW R. TITTY NO. C-31755 EXP. 11-30-21 STATE OF CALIFORNIA

ISSUE FOR

DSA SUBMITTAL

ISSUE DATE

12/2/2019

REVISIONS

NO.	REASON	DATE

PROJECT TEAM

PRINCIPAL IN CHARGE
BB
PROJECT MANAGER
BB
DESIGN TEAM
SA, ML, VS, AT

PROJECT NAME

PACIFICA HIGH SCHOOL TRACK & FIELD IMPROVEMENTS - INC 2

PROJECT NO.

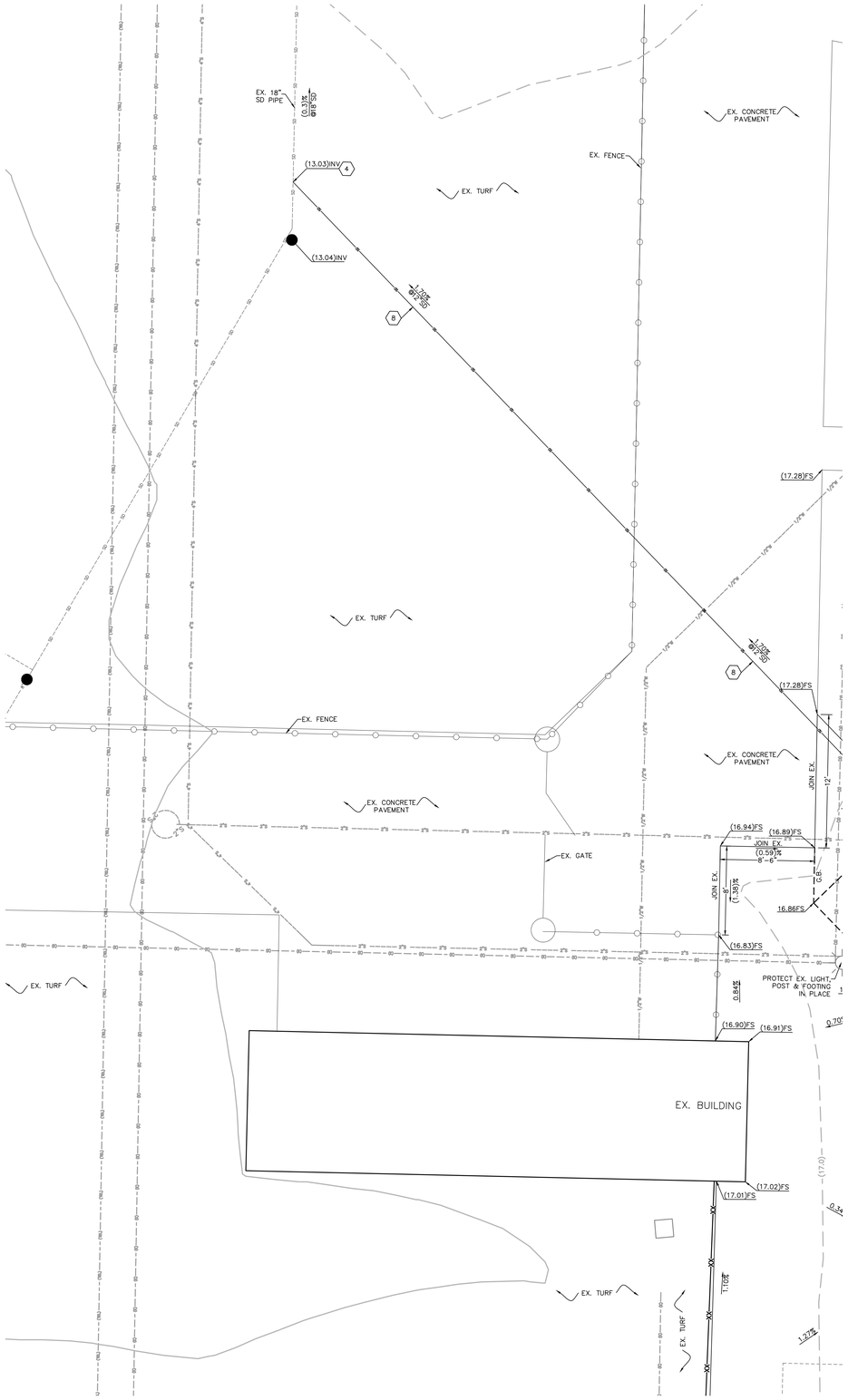
6121235303

SHEET TITLE

GRADING AND STORM DRAIN PLAN

SHEET NUMBER

C4.1



1 PLAN AREA #1

LEGEND:

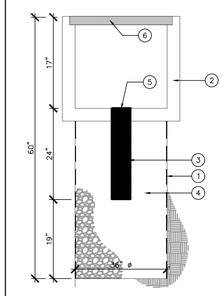
EX. STORM DRAIN — 6"SD —
EX. GAS — GAS —
EX. ELECTRIC — E —
EX. WATER — 1/2"W —
EX. SEWER — 6"SS —
EX. TELEPHONE — TEL —
NEW STORM DRAIN

NEW GRATE INLET CATCH BASIN

SEE SHEET C4.0

STORM DRAIN KEYNOTES:

1	NEW 6" HDPE STORM DRAIN PIPE, ADS N-12 WITH WATER-TIGHT JOINTS OR APPROVED EQUAL.		6	NEW 36" SQ. CONC. DRAIN INLET WITH DRYWELL. BROOKS 36X36 WITH INLET AND/OR OUTLET AS REQUIRED. GRATE SHALL BE GALV. STEEL, SCREWED-DOWN VANDAL-PROOF AND H-10.	11 / C4.2, 13 / C4.2
2	NEW 18" SQ. CONC. DRAIN INLET, BROOKS 18X18 WITH GALV. STEEL, SCREWED-DOWN VANDAL-PROOF, H-10, ADA GRATE, HEEL PROOF, WITH INLET AND/OR OUTLET AS REQUIRED.	9 / D1.1	7	NEW 8" HDPE STORM DRAIN PIPE, ADS N-12 WITH WATER-TIGHT JOINTS OR APPROVED EQUAL.	
3	NEW ACO K300 TRENCH DRAIN. GRATE SHALL BE TRAFFIC RATED, ADA COMPLIANT, HEAL PROOF, MODEL NO. 8760. INSTALL BOTTOM OUTLET. REFER TO GRADING & STORM DRAIN PLANS FOR FURTHER INFORMATION.	10 / D1.1	8	NEW 12" HDPE STORM DRAIN PIPE, ADS N-12 WITH WATER-TIGHT JOINTS OR APPROVED EQUAL.	
4	CONNECT TO EXISTING STORM DRAIN LINE. CONTRACTOR SHALL POTHOLE AND FIELD VERIFY SIZE, TYPE AND DEPTH OF EXISTING WATER LINE PRIOR TO COMMENCING WORK. CONTRACTOR TO FURNISH AND INSTALL ALL NECESSARY MATERIALS TO COMPLETE THE WORK. CONTRACTOR SHALL MAINTAIN EXISTING INVERT ELEVATION AT CONNECTION.		9	NEW 18" HDPE STORM DRAIN PIPE, ADS N-12 WITH WATER-TIGHT JOINTS OR APPROVED EQUAL.	
5	NEW ACO K200 TRENCH DRAIN. GRATE SHALL BE TRAFFIC RATED, ADA COMPLIANT, HEAL PROOF, MODEL NO. 647D. INSTALL BOTTOM OUTLET. REFER TO GRADING & STORM DRAIN PLANS FOR FURTHER INFORMATION.	12 / C4.2	10	CONNECT TO EXISTING STORM DRAIN MANHOLE WITH WATER-TIGHT JOINTS. FURNISH & INSTALL ALL NECESSARY MATERIALS.	

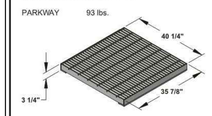


1. NEW GEOMEMBRANE LINER, TO BE PLACED ALONG THE VERTICAL WALLS TO REDUCE LATERAL FLOW. MIN. THICKNESS 30 MILS, SUBMIT CUT SHEET FOR REVIEW AND APPROVAL
2. NEW CATCH BASIN PER PLANS AND DETAILS.
3. 6" DIA. SDR35 PERFORATED PIPE EXTENSION W/ WATERTIGHT JOINT, TYP.
4. AUGER 3FT DIA. DRY WELL, TYPICAL. FILL W/ WASHED GRAVEL, 3/4" CRUSHED ROCK.
5. CONTRACTOR TO CORE OPENING AT BOTTOM OF CATCH BASIN ACCOMMODATING 6" DIA. OUTLET PIPE.
6. BOLTED DOWN AND VANDAL PROOF STEEL GRATE, NOT REQUIRED TO BE ADA COMPLIANT.

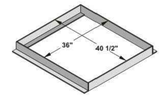
11 CATCH BASIN DRYWELL NTS

3636 STEEL GRATES - 1 Pc.

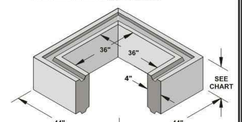
PARKWAY 93 lbs.



3636 FRAME ONLY

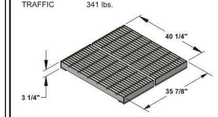


3636 EXTENSION *(NO FRAME)*

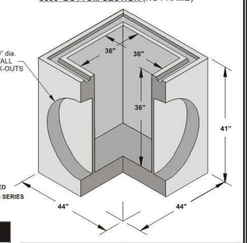


3636 STEEL GRATES - 2 Pc.

TRAFFIC 341 lbs.

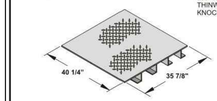


3636 BOTTOM SECTION *(NO FRAME)*



3636 STEEL COVER - 1 Pc.

PARKWAY 152 lbs.
TRAFFIC 190 lbs.



NOTES:
1. GRATES AND COVERS AVAILABLE PAINTED BLACK OR GALVANIZED
2. "ADA" OR "HEEL-PROOF" GRATES ARE NOT AVAILABLE FOR THIS SERIES
3. BOLT DOWN GRATES AND COVERS ARE AVAILABLE

EXTENSION SECTION	HT.	LBS	KNOCK-OUTS
3636 E6	6"	525	NONE
3636 E12	12"	1050	NONE

BOTTOM SECTION	HT.	LBS	KNOCK-OUTS
3636 B36	36"	2,230	(4) 30" DIA.

36" x 36" CATCH BASIN

BROOKS PRODUCTS

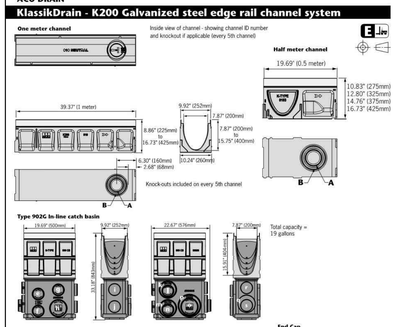
3636 CB

REVISED DATE	RELEASED DATE
11-23-99	02-18-00

13 BROOKS 3636 CATCH BASIN (W/ ADA COMPLIANT & HEAL PROOF GRATE) NTS

ACO DRAIN

Klassikdrain - K200 Galvanized steel edge rail channel system



Outlet flow rates

Outlet	Product	Outlet size (Sch. 40)	Invert Depth	GPM	CFS
A	Bottom outlet - K2:00	4" round	15.75"	153	0.34
A	Bottom outlet - K2:040	4" round	15.75"	216	0.48
B	Bottom outlet - K2:00	6" round	7.87"	344	0.77
B	Bottom outlet - K2:040	6" round	15.75"	486	1.08
C	End outlet - K2:00	4" round	7.87"	132	0.29
C	End outlet - K2:40	4" round	15.75"	202	0.45
D	End outlet - K2:10	6" round	9.84"	320	0.71
D	End outlet - K2:40	6" round	15.75"	437	0.97
E	Type K2:902G	4" round	25.33"	253	0.59
F	Type K2:902G	4" round	31.83"	297	0.66
G	Type K2:902G	4" round	23.76"	254	0.57
H	Type K2:902G	6" round	31.83"	658	1.47
I	Type K2:902G	6" round	31.82"	650	1.45
J	Type K2:902G	4" round	32.20"	294	0.66
K	Type K2:902G	6" round	24.68"	270	0.60
L	Type K2:902G	4" round	24.13"	256	0.57
M	Type K2:902G	6" round	31.82"	658	1.47
W	Type K2:902G	4" round	31.26"	294	0.66
O	Type K2:902G	6" round	31.26"	651	1.45
P	Type K2:902G	8" round	31.82"	1149	2.56
Q	Type K2:902G	6" round	30.32"	640	1.43
R	Type K2:902G	4" round	23.19"	251	0.56
S	Type K2:902G	4" round	29.90"	288	0.64

Note: These are the pipe flow rate of the specified outlet. NOT channel flow rates. *Catch basin flow rates are without trash bucket - using trash bucket reduces flow.

April 2018 www.ACODrain.us

ACO DRAIN

Type 647D/648D Longitudinal stainless steel grate (ADA)

Product Features

- Certified to EN 1433 Load Class B - 28,000 lbs - 483 psi
- Uses 'DrainLok' boltless locking system
- Suitable for use with K200, KS200, and H200K-13 channels
- Manufactured from 16 gauge, grade 304
- Complies with ADA - American Disabilities Act of 1990 Section 4.5.4
- Bicycle Tire Penetration Resistant to AS 3996 - 2006

Specifications

General
The surface drainage system shall be ACO Drain H200, KS200, and H200K-13 channels*, complete with ACO Type 647D/648D longitudinal stainless steel grate (ADA) with 'DrainLok' locking as manufactured by ACO, Inc. or similar approved.

Materials
The cover/s shall be manufactured from stainless steel and have **minimum** properties as follows:

- ***Independently certified to meet Load Class B to EN 1433 - 28,000 lbs - 483 psi***
- ***16 gauge, Grade 304 stainless steel***
- ***Intake area of 89.1 sq. in. (574.84 cm²) per half meter***

The overall width of 9.37" (238mm) and overall length of 39.37" (1000mm) (Type 647D) and overall length of 19.69" (500mm) (Type 648D). Slots measure at a 1.61" (40.89mm) by 0.24" (6.09mm).

Installation
The trench drain system and grates shall be installed in accordance with the manufacturer's installation instructions and recommendations.
* delete as appropriate

April 2018 www.ACODrain.us

12 ACO K200 TRENCH DRAIN AND GRATE NTS

ACO Specification Information

ACO DRAIN

KlassikDrain - K200 Galvanized steel edge rail channel system

Description	Part No.	Invert inches²	Invert mm²	Wgt Lbs.
K2:00 Neutral channel - 39.37" (1m)²	**75041**	**7.87**	**200**	**83.6**
K2:1 Sloped channel - 39.37" (1m)	75001	8.07	205	83.6
K2:2 Sloped channel - 39.37" (1m)	75002	8.27	210	84.7
K2:3 Sloped channel - 39.37" (1m)	75003	8.46	215	85.8
K2:4 Sloped channel - 39.37" (1m)	75004	8.66	220	86.9
K2:5 Sloped channel - 39.37" (1m)³	75005	8.86	225	88.0
K2:6 Sloped channel - 39.37" (1m)	75006	9.06	230	89.1
K2:7 Sloped channel - 39.37" (1m)	75007	9.25	235	90.2
K2:8 Sloped channel - 39.37" (1m)	75008	9.45	240	91.3
K2:9 Sloped channel - 39.37" (1m)	75009	9.65	245	92.4
K2:10 Sloped channel - 39.37" (1m)³	75010	9.84	250	93.5
K2:010 Neutral channel - 39.37" (1m)³	**75043**	**9.84**	**250**	**93.5**
K2:010 Neutral channel - 19.69" (0.5m)³	**75044**	**9.84**	**250**	**56.0**
K2:11 Sloped channel - 39.37" (1m)	75011	10.04	255	94.6
K2:12 Sloped channel - 39.37" (1m)	75012	10.24	260	95.7
K2:13 Sloped channel - 39.37" (1m)	75013	10.43	265	96.8
K2:14 Sloped channel - 39.37" (1m)	75014	10.63	270	97.9
K2:15 Sloped channel - 39.37" (1m)³	75015	10.83	275	99.0
K2:16 Sloped channel - 39.37" (1m)	75016	11.02	280	100.1
K2:17 Sloped channel - 39.37" (1m)	75017	11.22	285	101.2
K2:18 Sloped channel - 39.37" (1m)	75018	11.41	290	102.3
K2:19 Sloped channel - 39.37" (1m)	75019	11.61	295	103.4
K2:20 Sloped channel - 39.37" (1m)³	75020	11.81	300	104.5
K2:020 Neutral channel - 39.37" (1m)³	**75045**	**11.81**	**300**	**104.5**
K2:020 Neutral channel - 19.69" (0.5m)³	**75046**	**11.81**	**300**	**64.0**
K2:21 Sloped channel - 39.37" (1m)	75021	12.01	305	105.6
K2:22 Sloped channel - 39.37" (1m)	75022	12.20	310	106.7
K2:23 Sloped channel - 39.37" (1m)	75023	12.40	315	107.8
K2:24 Sloped channel - 39.37" (1m)	75024	12.60	320	108.9
K2:25 Sloped channel - 39.37" (1m)³	75025	12.80	325	110.0
K2:26 Sloped channel - 39.37" (1m)	75026	12.99	330	111.1
K2:27 Sloped channel - 39.37" (1m)	75027	13.19	335	112.2
K2:28 Sloped channel - 39.37" (1m)	75028	13.39	340	113.3
K2:29 Sloped channel - 39.37" (1m)	75029	13.58	345	114.4
K2:30 Sloped channel - 39.37" (1m)³	75030	13.78	350	115.5
K2:030 Neutral channel - 39.37" (1m)³	**75047**	**13.78**	**350**	**115.5**
K2:0303 Neutral channel - 19.69" (0.5m)³	**75048**	**13.78**	**350**	**68.0**
K2:31 Sloped channel - 39.37" (1m)	75031	13.98	355	116.6
K2:32 Sloped channel - 39.37" (1m)	75032	14.17	360	117.7
K2:33 Sloped channel - 39.37" (1m)	75033	14.37	365	118.8
K2:34 Sloped channel - 39.37" (1m)	75034	14.57	370	119.9
K2:35 Sloped channel - 39.37" (1m)³	75035	14.76	375	121.0
K2:36 Sloped channel - 39.37" (1m)³	75036	14.96	380	122.1
K2:37 Sloped channel - 39.37" (1m)	75037	15.16	385	123.2
K2:38 Sloped channel - 39.37" (1m)	75038	15.35	390	124.3
K2:39 Sloped channel - 39.37" (1m)	75039	15.55	395	125.4
K2:40 Sloped channel - 39.37" (1m)³	75040	15.75	400	126.5
K2:040 Neutral channel - 39.37" (1m)³	**75049**	**15.75**	**400**	**126.5**
K2:0403 Neutral channel - 19.69" (0.5m)³	**75050**	**15.75**	**400**	**77.0**
K2:901G In-line catch basin - 19.69" (0.5m)³	94611	32.81	833.3	68.0
K2:421G catch basin - 19.69" (0.5m)³	94620	37.33	948.1	91.0
K2:631G catch basin - 19.69" (0.5m)³	94633	49.33	1252.9	101.0
K2 Series 650 Optional plastic riser	99902	-	-	10.0
Universal end cap	96021	15.71	399	1.4
Debris strainer for 8" bottom knockout	93488	-	-	0.2
K2 Installation device	97478	-	-	2.8
K2 Grate removal tool	01318	-	-	0.3
K2 QuickLok locking bar	10457	-	-	0.5

Notes:
1. This channel offers a bottom knockout feature; 4" & 6" round
2. Inverts shown are for the male end; for female invert depth subtract 5mm (-0.2") from the male invert (except for neutral channels, where it will be same as male invert)
3. To calculate the overall channel depth add 25mm (+1.0") to invert depth.
4. This catch basin kit includes a polymer concrete top, removable QuickLok locking bar, trash bucket and plastic base. Select an appropriate grate.
5. This catch basin kit includes a polymer concrete top, removable QuickLok locking bar, deep trash bucket, plastic base and plastic base. Select an appropriate grate.

Specifications

General
The surface drainage system shall be ACO Drain K200 complete with gratings secured with 'QuickLok' locking as manufactured by ACO, Inc. or approved equal.

Materials
The trench system bodies shall be manufactured from polymer polymer concrete with the minimum properties as follows:

Compressive strength:	14,000 psi
Flexural strength:	4,000 psi
Water absorption	0.07%
Frost proof	YES
Salt proof	YES
Dilute acid and alkali resistant	YES

The nominal clear opening shall be 6" (200mm) with overall width of 10.24" (260mm). Pre-cast units shall be manufactured with either an invert slope of 0.5% or with neutral invert and have a wall thickness of at least 0.59" (15mm). Each unit will feature a partial radius in the trench bottom and a male to female connection system. Units shall have a 1" wide horizontal cast in anchoring keys on the outside wall to ensure maximum mechanical bond to the surrounding bedding material and pavement surface. The galvanized steel edge rail will be integrally cast in by the manufacturer to ensure maximum homogeneity between polymer concrete body and edge rail. Each edge rail shall be at least 3/32" (2.5mm) thick.

Grates
Grates shall be specified. See separate ACO Spec Info grate sheets for details. After removal of grates and 'QuickLok' bar there shall be uninterrupted access to the trench to aid maintenance.

Installation
The trench drain system shall be installed in accordance with the manufacturer's installation instructions and recommendations.

ACO, Inc.
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9670 Pinecone Drive
Mentor, OH 44060
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Toll free: (800) 543-4764
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West Sales Office
825 W. Bleecksvill St.
Casa Grande, AZ 85122
Tel: (520) 421-9988
Toll Free: (888) 490-9552
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Southeast Sales Office
4211 Pleasant Road
Fort Mill, SC 29708
Toll free: (800) 543-4764
Fax: (803) 802-1963

Electronic Contact:
info@ACODrain.us
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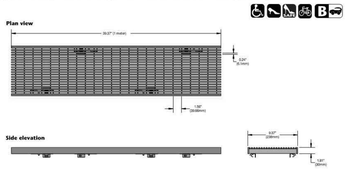
SPEC INFO ACO

April 2018 www.ACODrain.us

ACO DRAIN

Type 647D/648D Longitudinal stainless steel grate (ADA)



Description	Part No.	Length inches (mm)	Width inches (mm)	Weight lbs.
DrainLok grate				
Type 647D Longitudinal stainless steel grate	**142219**	39.37 (1000)	9.37 (238)	17.7
Type 648D Longitudinal stainless steel grate	**142220**	19.69 (500)	9.37 (238)	9.0

'DrainLok' locking mechanism

ACO DrainLok™ is a patented, boltless locking system that removes the need for bolts and bars and improves the hydraulic capacity of the channel. The DrainLok™ mechanism simply clips into the channel edge rail for rapid installation. ACO DrainLok™ grates are fitted with an anti-theft mechanism that restricts unwanted grate movement when installed, improving durability and longevity of the system.

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SPEC INFO ACO

April 2018 www.ACODrain.us

ACO Specification Information

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CLIENT NAME

OXNARD UNION HIGH SCHOOL DISTRICT

PROJECT NAME

PACIFICA HIGH SCHOOL TRACK & FIELD IMPROVEMENTS - INC 2

600 E. GONZALES RD, OXNARD, CA. 93036

CONSULTANT

REGISTERED PROFESSIONAL ENGINEER — BARBARA BET GOVORCHIN — C 51751 EXP. 6-30-21 — STATE OF CALIFORNIA — CIVIL

SEAL

LICENSED ARCHITECT — KAY R. RITTENHOUSE — NO. C-26191 — 11-30-21 — STATE OF CALIFORNIA

ISSUE FOR
DSA SUBMITTAL

ISSUE DATE
12/2/2019

REVISIONS

NO.	REASON	DATE

PROJECT TEAM

PRINCIPAL IN CHARGE
BB

PROJECT MANAGER
BB

DESIGN TEAM
SA, ML, VS, AT

PROJECT NAME
PACIFICA HIGH SCHOOL TRACK & FIELD IMPROVEMENTS - INC 2

PROJECT NO.
6121235303

SHEET TITLE
GRADING AND STORM DRAIN PLAN

SHEET NUMBER
C4.2

NORTH

SCALE=1"=5'

0 5 10 20 30

EROSION CONTROL NOTES: (AS APPLIES)

1) IN CASE OF AN EMERGENCY, CALL POUL HANSON (805) 718-2614.
2) A STANDBY CREW FOR EMERGENCY WORK SHALL BE AVAILABLE AT ALL TIMES. NECESSARY MATERIALS SHALL BE AVAILABLE ON-SITE AND STOCKPILED AT CONVENIENT LOCATIONS TO FACILITATE RAPID CONSTRUCTION OF TEMPORARY DEVICES OR TO REPAIR ANY DAMAGED EROSION CONTROL MEASURES.
3) EROSION CONTROL DEVICES SHALL NOT BE MOVED OR MODIFIED WITHOUT THE APPROVAL OF THE ARCHITECT.
4) ALL REMOVABLE PROTECTIVE DEVICES SHOWN SHALL BE IN PLACE AT THE END OF EACH WORKING DAY IN THE PERIOD FROM OCTOBER 15 THROUGH APRIL 15, AND AT ANY OTHER PERIOD WHEN THE WEATHER FORECAST INDICATES A GREATER THAN 50% PROBABILITY OF RAIN.
5) AFTER A RAINSTORM, ALL SILT AND DEBRIS SHALL BE REMOVED FROM CHECK BERMS AND DESILTING BASINS. ANY GRADED SLOPE SURFACE PROTECTION MEASURES DAMAGED DURING THE RAINSTORM SHALL ALSO BE REPAIRED IMMEDIATELY.
6) FILL SLOPES AT THE PROJECT PERIMETER MUST DRAIN AWAY FROM THE TOP OF THE SLOPE AT THE CONCLUSION OF EACH WORKING DAY.
7) A SIX-FOOT HIGH PERIMETER FENCE OR A 24-HOUR GUARD SHALL BE POSTED ON THE SITE WHENEVER THE DEPTH OF WATER IN ANY DEVICE EXCEEDS 18 INCHES.
8) THE ENGINEER OF RECORD IS RESPONSIBLE FOR ASSURING THE ACCURACY AND ACCEPTABILITY OF THE WORK. IN THE EVENT OF DISCREPANCIES ARISING DURING CONSTRUCTION, THE ENGINEER OF RECORD SHALL BE RESPONSIBLE FOR DETERMINING AN ACCEPTABLE SOLUTION AND REVISING THE PLANS FOR APPROVAL BY THE APPLICABLE AGENCY.
9) TEMPORARY EROSION DEVICES SHOWN ON THE GRADING PLAN WHICH INTERFERE WITH THE WORK SHALL BE RELOCATED OR MODIFIED WHEN THE INSPECTOR SO DIRECTS THE WORK PROGRESS.
10) ALL LOOSE SOIL AND DEBRIS SHALL BE REMOVED FROM THE STREET AREAS UPON STARTING OPERATIONS AND PERIODICALLY THEREAFTER AS DIRECTED BY THE INSPECTOR.
11) WHEN THE INSPECTOR SO DIRECTS, A 12-INCH BERM SHALL BE MAINTAINED ALONG THE TOP OF THE SLOPE OF THOSE FILLS ON WHICH GRADING IS NOT IN PROGRESS.
12) VELOCITY CHECK DAMS SHALL BE PROVIDED ACROSS THE OUTLETS OF ALL LOTS DRAINING INTO THE STREET.
13) ALL FILLS SHALL BE GRADED TO PROMOTE DRAINAGE AWAY FROM THE EDGE OF THE FILL.
14) STAND-BY CREWS SHALL BE ALERTED BY THE PERMITTEE OR CONTRACTOR FOR EMERGENCY WORK DURING RAINSTORMS.
15) ALL UTILITY TRENCHES SHALL BE BLOCKED AT THE PRESCRIBED INTERVALS FROM BOTTOM TO TOP WITH A DOUBLE ROW OF SANDBAGS PRIOR TO BACKFILL. SEWER TRENCHES SHALL BE BLOCKED AT THE PRESCRIBED INTERVALS WITH A DOUBLE ROW OF SANDBAGS EXTENDING DOWNWARD, TWO SANDBAGS FROM THE GRADED SURFACE OF THE STREET. SANDBAGS ARE TO BE PLACED WITH ALTERNATE HEADER AND STRETCHER COURSES. THE INTERVALS PRESCRIBED BETWEEN SANDBAG BLOCKING SHALL DEPEND ON THE SLOPE OF THE GROUND SURFACE, BUT NOT EXCEED THE FOLLOWING:

GRADE OF THE STREET	INTERVALS
LESS THAN 2%	AS REQUIRED
2% TO 4%	100 FEET
4% TO 10%	50 FEET
OVER 10%	25 FEET

16) VELOCITY CHECK DAMS SHALL BE PROVIDED IN ALL UNPAVED STREET AREAS AT THE INTERVALS INDICATED ABOVE. VELOCITY CHECK DAMS MAY BE CONSTRUCTED OF SANDBAGS, TIMBER, OR OTHER EROSION-RESISTANT MATERIALS APPROVED BY THE INSPECTOR, AND SHALL EXTEND COMPLETELY ACROSS THE STREET OR CHANNEL AT RIGHT ANGLES TO THE CENTERLINE. EARTH DIKES MAY NOT BE USED AS VELOCITY CHECK DAMS. PLASTIC BAGS SHALL NOT BE USED FOR SANDBAGS.
17) VELOCITY CHECK DAMS SHALL BE PROVIDED IN ALL UNPAVED GRADED CHANNELS AT THE INTERVALS INDICATED BELOW:

GRADE OF CHANNEL	INTERVALS BETWEEN CHECK DAMS
LESS THAN 3%	100 FEET
3% TO 6%	50 FEET
OVER 6%	25 FEET

18) AFTER SEWER AND UTILITY TRENCHES ARE BACKFILLED AND COMPACTED, THE SURFACES OVER SUCH TRENCHES SHALL BE MOUNDED SLIGHTLY TO PREVENT CHANNELING OF WATER IN THE TRENCH AREA. CARE SHOULD BE EXERCISED TO PROVIDE FOR CROSS FLOWS AT FREQUENT INTERVALS WHERE TRENCHES ARE NOT ON THE CENTERLINE OF A CROWN STREET.
19) EXCEPT WHEN THE INSPECTOR DIRECTS OTHERWISE, ALL DEVICES SHOWN SHALL BE IN PLACE AT THE END OF EACH WORKING DAY WHEN RAIN IS FORECAST AND SHALL BE MAINTAINED DURING THE RAINY SEASON (OCTOBER 1 THRU APRIL 15).
20) ALL BASINS AND CHECK DAMS SHALL HAVE THE DEBRIS AND SILT REMOVED AFTER EACH STORM TO RESTORE THEIR CAPACITY.
21) SANDBAG SHALL BE STOCKPILED IN PARKWAY AT INTERVALS SHOWN PLANS, READY TO BE PLACED IN POSITION WHEN RAIN IS FORECAST, OR WHEN THE PUBLIC WORKS INSPECTOR SO DIRECTS.
22) BRUSH AND GROUND COVER MAY NOT BE REMOVED MORE THAN 10-FEET ABOVE FILLS BETWEEN OCTOBER 1 AND APRIL 15.
23) PLACEMENT OF DEVICES TO REDUCE EROSION DAMAGE WITHIN THE PROJECT MUST BE SHOWN ON THE PLAN. STOCKPILE LOCATIONS FOR MATERIALS SHALL ALSO BE INDICATED ON THE DRAWING.
24) OUTLET CONDITIONS FROM THE DESILTING BASIN SHALL NOT EXCEED DOWNSTREAM LIMITATIONS. THE OVERFLOW SHALL BE DESIGNED TO SAFELY PASS 1.5 TIMES THE 25-YEAR PEAK DISCHARGE.
25) A CONSTRUCTION ENTRANCE SHALL BE INSTALLED PRIOR TO COMMENCEMENT OF GRADING. LOCATION OF THE ENTRANCE MAY BE ADJUSTED BY THE CONTRACTOR TO FACILITATE GRADING OPERATIONS. ALL CONSTRUCTION TRAFFIC ENTERING THE PAVED ROAD MUST CROSS THE CONSTRUCTION ENTRANCE. THE CONSTRUCTION ENTRANCE SHALL CONSIST OF A BED OF 3/4" GRAVEL OF THE FOLLOWING MINIMUM DIMENSIONS: 15' WIDE, 30' LONG AND 12" DEEP. THE CONSTRUCTION ENTRANCE SHALL BE REMOVED PRIOR TO PLACING BASE FOR PAVING.
26) ALL SANDBAGS SHALL BE AMERICAN BUILDERS SUPPLY SIZE 18 MATERIAL OR EQUAL, WITH 10X12 WEAVE, 950 DENIER, 1200-HOUR U.V. RATING, OF MILK WHITE COLOR, AND SHOULD HAVE 1000 PER BALE.
27) SEDIMENTS AND OTHER POLLUTANTS MUST BE RETAINED ON SITE AND MAY NOT BE TRANSPORTED FROM THE SITE VIA SHEET FLOW, SWALES, AREA DRAINS, NATURAL DRAINAGE COURSES OR WIND.
28) STOCKPILES OF EARTH AND OTHER CONSTRUCTION RELATED MATERIALS MUST BE PROTECTED FROM BEING TRANSPORTED FROM THE SITE BY THE FORCES OF WIND OR WATER.
29) FUELS, OILS, SOLVENTS AND OTHER TOXIC MATERIALS MUST BE STORED IN ACCORDANCE WITH THEIR LISTING AND ARE NOT TO CONTAMINATE THE SOIL AND SURFACE WATERS. ALL APPROVED STORAGE CONTAINERS ARE TO BE PROTECTED FROM THE WEATHER. SPILLS MUST BE CLEANED UP IMMEDIATELY AND DISPOSED OF IN A PROPER MANNER. SPILLS MAY NOT BE WASHED INTO THE DRAINAGE SYSTEM.
30) NON-STORM WATER RUNOFF FROM EQUIPMENT AND VEHICLE WASHING AND ANY OTHER ACTIVITY SHALL BE CONTAINED AT THE PROJECT SITE.
31) EXCESS OR WASTE CONCRETE MAY NOT BE WASHED INTO THE PUBLIC WAY OR ANY OTHER DRAINAGE SYSTEM. PROVISIONS SHALL BE MADE TO RETAIN CONCRETE WASTES ON SITE UNTIL THEY CAN BE DISPOSED OF AS SOLID WASTE.
32) TRASH AND CONSTRUCTION RELATED SOLID WASTES MUST BE DEPOSITED INTO A COVERED RECEPTACLE TO PREVENT CONTAMINATION OF RAINWATER AND DISPERSAL BY WIND.
33) SEDIMENTS AND OTHER MATERIALS MAY NOT BE TRACKED FROM THE SITE BY VEHICLE TRAFFIC. THE CONSTRUCTION ENTRANCE ROADWAYS MUST BE STABILIZED SO TO INHIBIT SEDIMENTS FROM BEING DEPOSITED INTO THE PUBLIC WAY. ACCIDENTAL DEPOSITIONS MUST BE SWEPT UP IMMEDIATELY AND MAY NOT BE WASHED DOWN BY RAIN OR OTHER MEANS.
34) ANY SLOPES WITH DISTURBED SOILS OR DENUDED OF VEGETATION MUST BE STABILIZED.

NOTES:

STORM WATER POLLUTION CONTROL REQUIREMENT FOR GRADING CONSTRUCTION. THE FOLLOWING BMP'S AS OUTLINED IN, BUT NOT LIMITED TO, THE CALIFORNIA STORMWATER QUALITY ASSOCIATION, MAY APPLY DURING THE CONSTRUCTION OF THE PROJECT.

THE BMP'S SHOWN ON THIS PLAN REPRESENT THE MINIMUM THAT SHALL BE REQUIRED, ADDITIONAL MEASURES MAY BE NECESSARY IF DEEMED APPROPRIATE BY FIELD ENGINEER.

WM-1 : MATERIAL DELIVERY AND STORAGE
WM-2 : MATERIAL USE
WM-3 : STOCKPILE MANAGEMENT
WM-4 : SPILL PREVENTION AND CONTROL
WM-5 : SOLID WASTE MANAGEMENT
WM-6 : HAZARDOUS WASTE MANAGEMENT
WM-8 : CONCRETE WASTE MANAGEMENT
WM-9 : SANITARY/SEPTIC WASTE MANAGEMENT

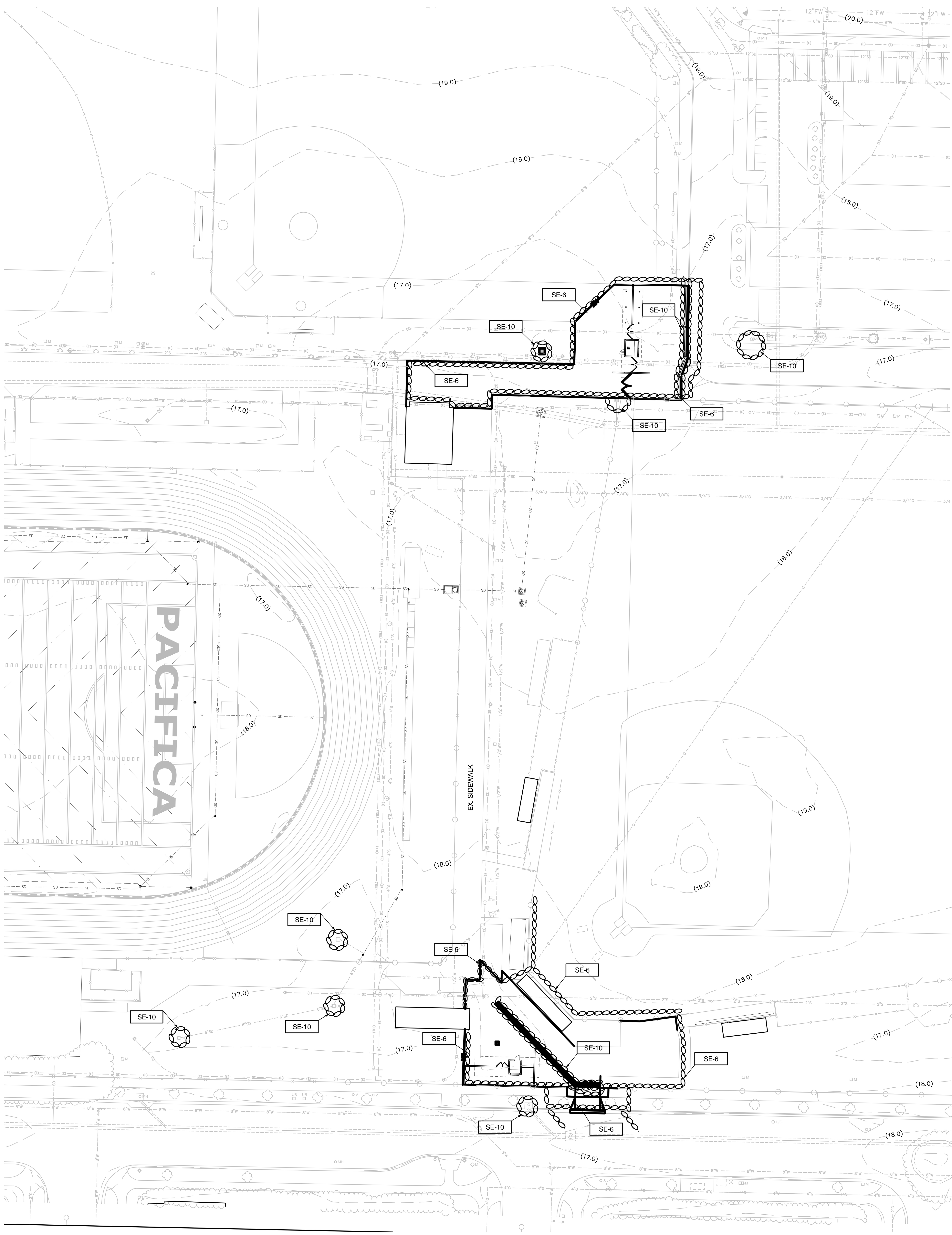
SE-1 : SILT FENCE
SE-6 : GRAVEL BAG BERM
SE-7 : STREET SWEEPING AND VACUUMING
SE-10 : STORM DRAIN INLET PROTECTION
SE-9 : STRAW BALE BARRIER

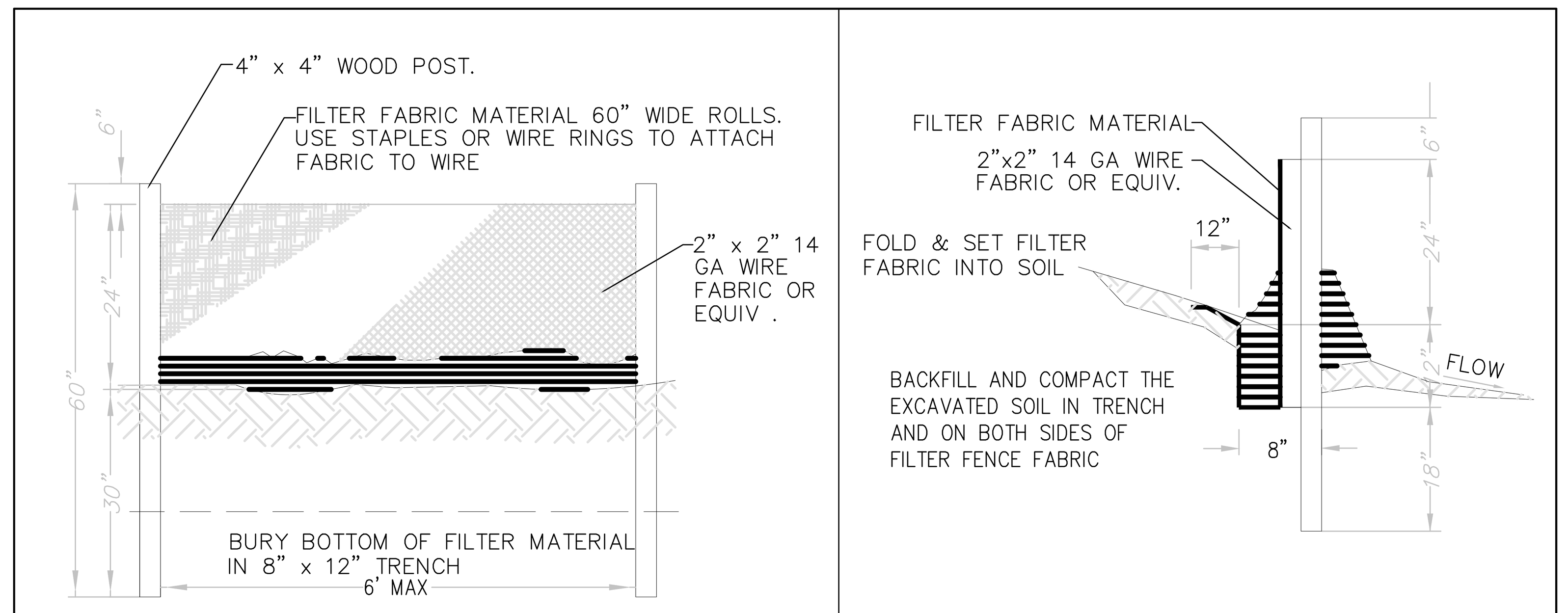
NS-1 : WATER CONSERVATION PRACTICES
NS-3 : PAVING AND GRADING OPERATIONS
NS-6 : ILLICIT CONNECTION/DISCHARGE
NS-7 : POTABLE WATER/IRRIGATION
NS-8 : VEHICLE AND EQUIPMENT CLEANING
NS-9 : VEHICLE AND EQUIPMENT FUELING
NS-10 : VEHICLE AND EQUIPMENT MAINTENANCE
NS-12 : CONCRETE CURING
NS-13 : CONCRETE FINISHING

TC-1 : STABILIZED CONSTRUCTION ENTRANCE
TC-3 : ENTRANCE/OUTLET TIRE WASH

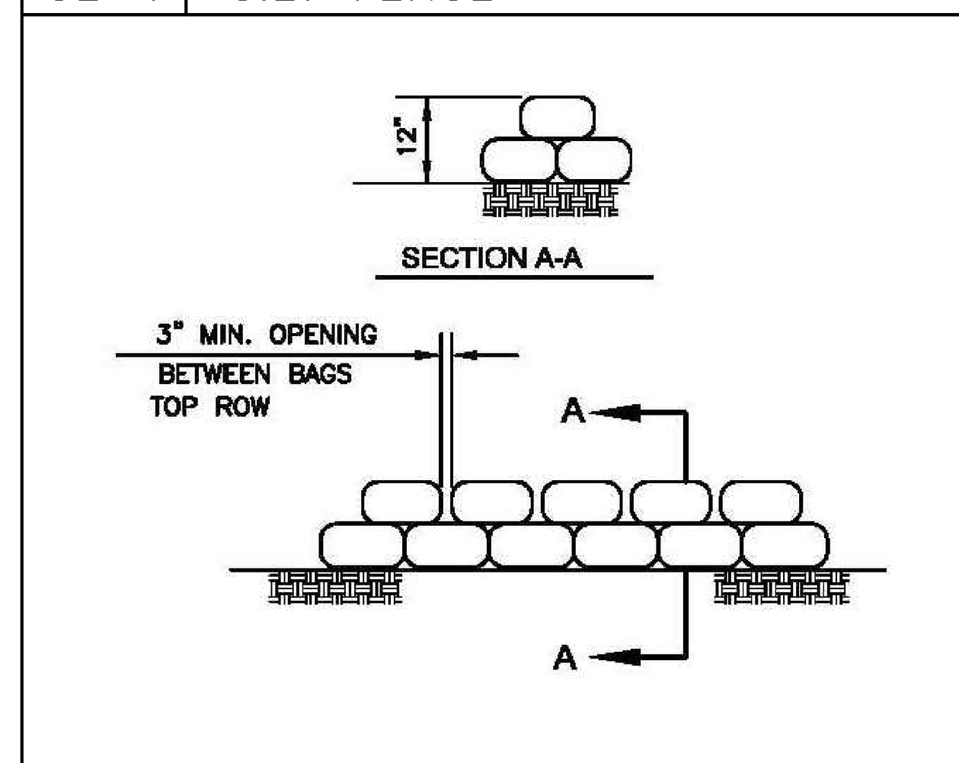
EC-1 : SCHEDULING
EC-2 : PRESERVATION OF EXISTING VEGETATION

WE-1 : WIND EROSION CONTROL





SE-1 | SILT FENCE N.T.S.



SE-6 | GRAVEL BAG BERM N.T.S.

LEGEND

SILT FENCE

GRAVEL BAG BERM

XX-X — FURNISH & INSTALL THE BMP PRACTICE PER THE REFERENCED DETAIL

NOTES

1. PROTECT ALL INLETS AT IMMEDIATE VICINITY OF WORK AREA, WHETHER OR NOT SHOWN ON THIS PLAN, WITH SE-10.
2. THIS PLAN IS FOR EROSION CONTROL PURPOSES ONLY. REFER TO GRADING PLAN FOR ELEVATIONS.
3. DURING THE CONSTRUCTION, CONTRACTOR SHALL COMPLY WITH VENTURA COUNTY EROSION CONTROL AND SEDIMENT CONTROL REQUIREMENTS AT ALL TIMES.
4. ANY CHANGES TO BMPs ON THIS DRAWINGS SHALL BE COORDINATED WITH PROJECT ENGINEER.

THIS EROSION CONTROL PLAN IS PREPARED USING CASQA DESIGN GUIDELINES AND BMPS FOR EROSION AND SENDIMENT CONTROL PLAN

NORTH
SCALE=1"=30'
0 5 10 20 30

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CLIENT NAME
OXNARD UNION HIGH SCHOOL DISTRICT

PROJECT NAME
PACIFICA HIGH SCHOOL TRACK & FIELD IMPROVEMENTS - INC 2
600 E. GONZALES RD, OXNARD, CA. 93036

CONSULTANT


SEAL
LICENSED ARCHITECT
JAY R. TITTLE
NO. C12955
REN. 1-30-21
STATE OF CALIFORNIA

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DSA SUBMITTAL

ISSUE DATE
12/2/2019

REVISIONS

NO.	REASON	DATE

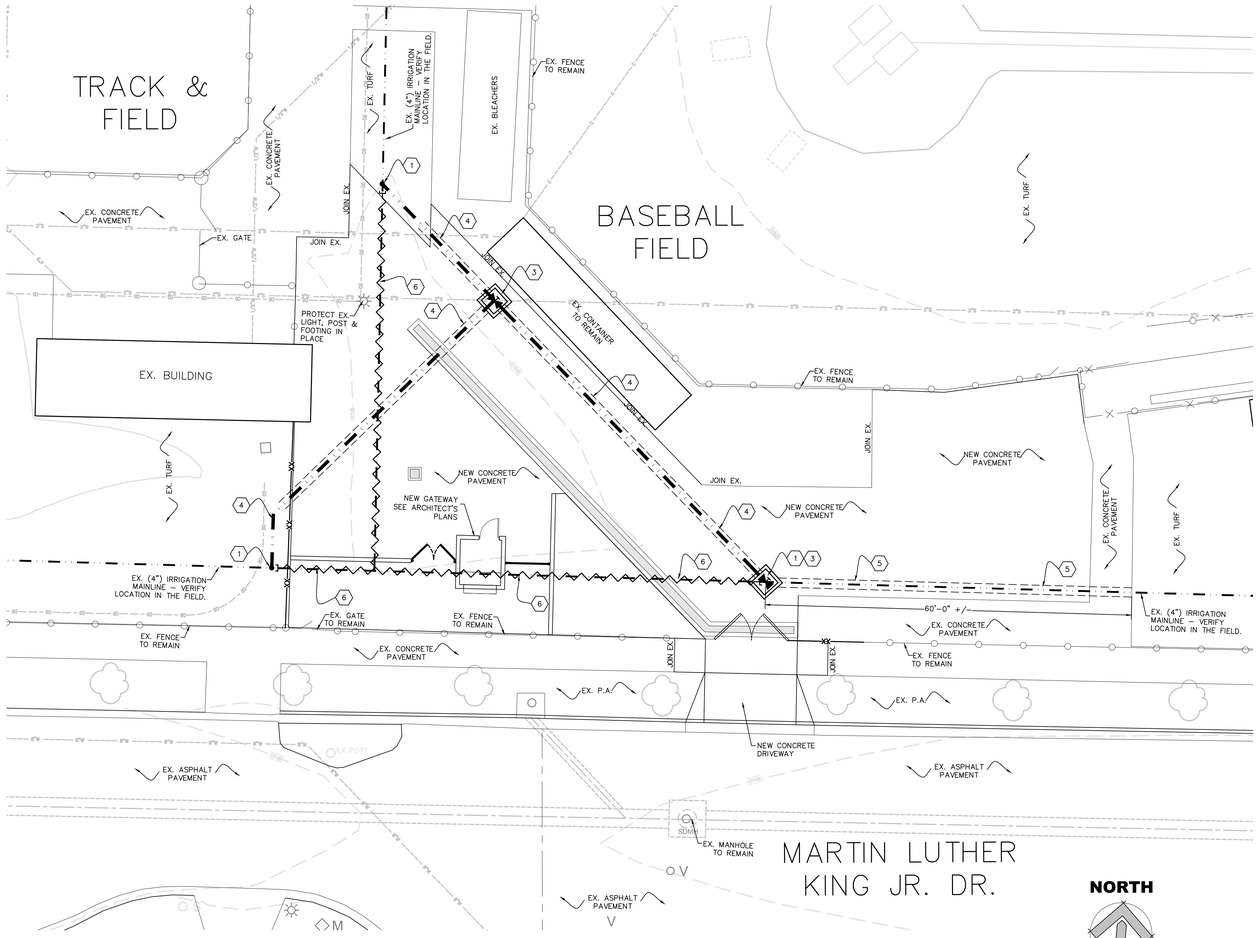
PROJECT TEAM
PRINCIPAL IN CHARGE
BB
PROJECT MANAGER
BB
DESIGN TEAM
SA, ML, VS, AT

PROJECT NAME
PACIFICA HIGH SCHOOL TRACK & FIELD IMPROVEMENTS - INC 2

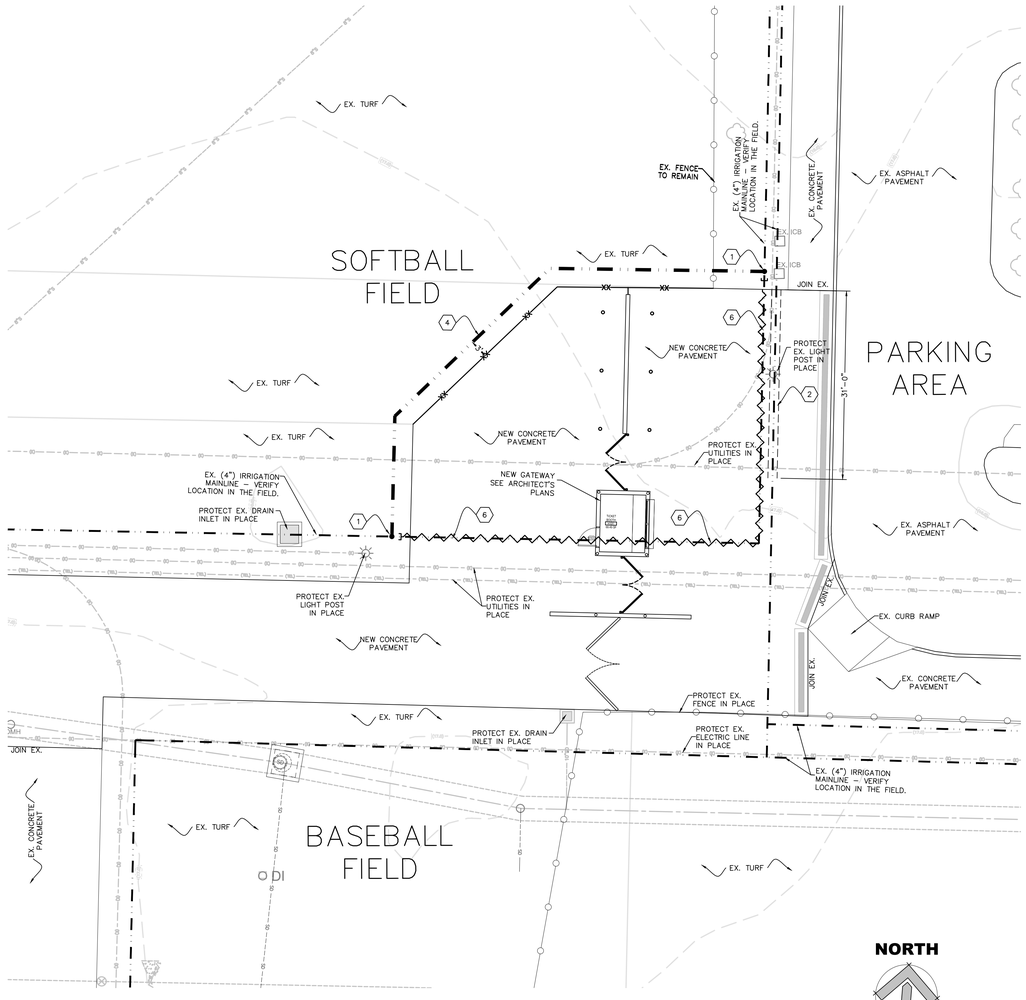
PROJECT NO.
6121235303

SHEET TITLE
EROSION CONTROL PLAN

SHEET NUMBER
C5.0



2 GATEWAY #2
SCALE: 1" = 10'-0"



1 GATEWAY #1
SCALE: 1" = 10'-0"

ADDITIONAL IRRIGATION SCOPE:

SYMBOL	MANUFACTURER/MODEL/DESCRIPTION
	EXISTING (4") IRRIGATION MAINLINE
	EXISTING (4") IRRIGATION MAINLINE TO BE REMOVED VERIFY EXACT LIMITS IN THE FIELD
	NEW (4") IRRIGATION MAINLINE SHALL BE CL200 TO MATCH EXISTING SEE TRENCHING DETAIL A, THIS SHEET.
	NEW IRRIGATION MAINLINE SLEEVING SHALL BE PVC SCH. 80 TYP. SEE TRENCHING DETAIL A, THIS SHEET.
	NEW LINE SIZE ISOLATION VALVE SHALL MATCH EXISTING ONSITE OR APPROVED EQUAL. EXISTING VALVES ARE 'MATCO B4 W/ B4-IND & B4-LCH' BUTTERFLY VALVE W/ LATCH PLATE AND NUT. INSTALL PER MANUFACTURER'S RECOMMENDATIONS. INSTALL INSIDE 24"X24" MIN. SIZE CONCRETE VALVE BOX WITH TRAFFIC RATED LID. SUBMIT CUT SHEETS FOR REVIEW AND APPROVAL.

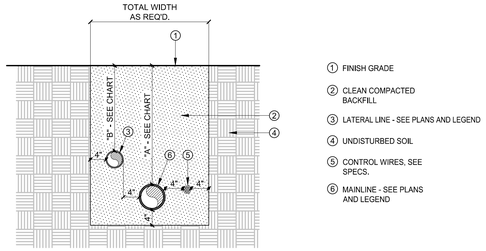
ADDITIONAL IRRIGATION SCOPE:

1. TEMPORARY WATER SOURCE (IF REQUIRED)
   1.1. CONTRACTOR SHALL ENSURE EXISTING IRRIGATION THAT FEEDS LANDSCAPE AREAS ADJACENT TO THE PROJECT WORK AREA REMAINS FULLY OPERATIONAL THROUGHOUT DURATION OF THE PROJECT. WHEN REQUIRED TO INTERRUPT EXISTING IRRIGATION OPERATIONS, CONTRACTOR SHALL BE RESPONSIBLE TO PROVIDE TEMPORARY WATER TO MAINTAIN ALL EXISTING LANDSCAPE AREAS IN HEALTHY CONDITION UNTIL IRRIGATION SYSTEM IS RESTORED.

2. EXISTING IRRIGATION ADJUSTMENTS (AS REQUIRED)
   2.1. WHERE NEEDED, CONCTRACTOR SHALL BE EXPECTED TO RELOCATE, ADJUST, AND INSTALL NEW IRRIGATION TO REPLACE EXISTING IRRIGATION DAMAGED OR DEMOLISHED BY THESE IMPROVEMENTS. NEW IRRIGATION SHALL MATCH EXISTING LIKE FOR LIKE.
   2.2. THIS WORK SHALL INCLUDE BUT NOT BE LIMITED TO, RELOCATING EXISTING REMOTE CONTROL VALVES AND QUICK COUPLER VALVES OUT OF NEW CONCRETE PAVING AREAS AND TO EXISTING ADJACENT LANDSCAPE AREAS. REMOTE CONTROL VALVES SHALL BE RECONNECTED TO THEIR EXISTING LATERAL SYSTEM AND CONTROL WIRES. RELOCATING AND/OR ADJUSTING EXISTING SPRAY HEADS TO FIT NEW LIMITS OF LANDSCAPE AREAS SUCH THAT THERE IS NO OVERSPRAY ONTO ADJACENT PAVEMENTS. CONTRACTOR WILL BE REQUIRED TO ENSURE HEAD–TO–HEAD COVERAGE THROUGHOUT ALL LANDSCAPE AREAS.
   2.3. CONTRACTOR SHALL TEST IRRIGATION SYSTEM AT END OF PROJECT TO ENSURE ALL AREAS ARE WORKING PROPERLY AND ALL EXISTING VALVES AND MAINLINES HAVE BEEN RECONNECTED AND ARE FULLY OPERATIONAL.

IRRIGATION KEYNOTES:

1. CONNECT TO EXISTING IRRIGATION MAINLINE – CAPPED IN THIS APPROXIMATE LOCATION DURING DEMOLITION. VERIFY EXACT LOCATION IN THE FIELD.
2. EXTEND EXISTING SLEEVE FOR EXISTING IRRIGATION MAINLINE TO BE LOCATED BELOW NEW HARDSCAPE PAVING. VERIFY LIMITS IN THE FIELD PRIOR TO COMMENCING ANY WORK.
3. PROVIDE NEW BRASS BALL VALVE IN CONCRETE VALVE BOX AT MAINLINE JUNCTURE AS SHOWN. CONCRETE VALVE BOX SHALL BE 24"X24" SQ. MINIMUM WITH TRAFFIC RATED LID, CONTRACTOR SHALL SUBMIT PRODUCT CUT–SHEET FOR REVIEW AND APPROVAL.
4. PROVIDE NEW (4") IRRIGATION MAINLINE AS SHOWN, SEE IRRIGATION LEGEND FOR MORE INFO. PROVIDE IN SLEEVE UNDER PAVING AS INDICATED AND DETAILED.
5. PROVIDE NEW SLEEVE FOR EXISTING IRRIGATION MAINLINE TO BE LOCATED BELOW NEW HARDSCAPE PAVING. VERIFY LIMITS IN THE FIELD PRIOR TO COMMENCING ANY WORK.
6. CUT, CAP, AND REMOVED EXISTING (4") IRRIGATION MAINLINE IN THESE EXISTING AREAS TO RECEIVE NEW HARDSCAPE. VERIFY EXACT LIMITS IN THE FIELD PRIOR TO COMMENCING ANY WORK.



1. FINISH GRADE
2. CLEAN COMPACTED BACKFILL
3. LATERAL LINE - SEE PLANS AND LEGEND
4. UNDISTURBED SOIL
5. CONTROL WIRES, SEE SPECS.
6. MAINLINE - SEE PLANS AND LEGEND

DIMENSION	A	B
1/2" TO 2-1/2" IN SIZE	24"	18"
3" IN SIZE	30"	
4" AND LARGER	36"	

A TRENCHING
N.T.S.

IRRIGATION NOTES:

1. ALL LOCAL, MUNICIPAL AND STATE LAWS ARE HEREBY INCORPORATED INTO THESE PLANS AND SHALL BE CARRIED OUT BY THE CONTRACTOR.
3. THE CONTRACTOR IS EXPECTED TO SECURE COPIES OF ASBUILTS FOR THE EXISTING IRRIGATION SYSTEM AND THE CURRENT ARCHITECTURAL AND ENGINEERING PLANS AND FAMIALIRIZE THEMSELVES WITH ALL ASPECTS OF THE PROJECT AS IT RELATES TO THEIR SCOPE.
4. IT IS THE CONTRACTOR'S RESPONSIBILITY TO SECURE ANY AND ALL PERMITS REQUIRED TO PERFORM THEIR SCOPE OF WORK.
5. IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY THE LOCATIONS OF ALL EXISTING UTILITIES WITHIN THE LIMIT OF WORK PRIOR TO COMMENCING ANY WORK. LOCATIONS SHOWN ON THE PLANS ARE APPROXIMATE AND THE LANDSCAPE ARCHITECT MAKES NO GUARANTEES ABOUT THEIR ACTUAL LOCATIONS. NOTIFY THE OWNER'S AUTHORIZED REPRESENTATIVE IN THE EVENT DISCREPANCIES ARE FOUND BETWEEN THE PLANS AND CONDITIONS IN THE FIELD.
6. CONTRACTOR SHALL INSTALL ALL PIPE UNDER PAVED AREAS (HARDSCAPE, PARKING LOTS, ETC.) INSIDE SLEEVING AS SHOWN ON THE LEGEND AND SPECIFICATIONS. INSTALL PER DETAILS PROVIDED. AT A MINIMUM, SLEEVES ARE TO BE 2X THE DIAMETER OF THE PIPE OR WIRE BUNDLE CARRIED. SLEEVES SHALL EXTEND 6" MIN. PAST THE EDGE OF PAVED AREAS ABOVE.

AGENCY REVIEW

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CLIENT NAME
OXNARD UNION HIGH SCHOOL DISTRICT

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600 E. GONZALES RD, OXNARD, CA. 93036

CONSULTANT

SEAL

ISSUE FOR
DSA SUBMITTAL

ISSUE DATE
12/02/19

REVISIONS

NO.	REASON	DATE

PROJECT TEAM
PRINCIPAL IN CHARGE
BB
PROJECT MANAGER
ML
DESIGN TEAM
ML

PROJECT NAME
PACIFICA HIGH SCHOOL
TRACK & FIELD
IMPROVEMENTS - INC 2

PROJECT NO.
6121235303

SHEET TITLE
IRRIGATION PLAN -
MAINLINE ROUTING

SHEET NUMBER
L1.0

GENERAL NOTES

1. FOR APPLICABLE CODES AND STANDARDS, REFER TO SHEET G0.1

2. DURING THE ENTIRE CONSTRUCTION PERIOD, IT SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR TO MAINTAIN CONDITIONS AT THE PROJECT SITE, TO MEET THE REQUIREMENTS OF THE FEDERAL OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA) AND CALIFORNIA OCCUPATIONAL REGULATIONS . THIS PROVISION SHALL COVER THE CONTRACTOR'S EMPLOYEES AND ALL OTHER PERSONS WORKING UPON OR VISITING THE SITE. THE CONTRACTOR SHALL BECOME FULLY INFORMED OF ALL APPLICABLE STANDARDS AND REGULATIONS AND INFORM ALL PERSONS AND REPRESENTATIVES RESPONSIBLE FOR WORK UNDER THIS CONTRACT.

3. CONFIRM ALL NEW AND EXISTING CONDITIONS WITH THE CONTRACT DOCUMENTS. NOTIFY ARCHITECT IMMEDIATELY IN WRITING OF ALL DISCREPANCIES OR CONFLICTS. DO NOT PROCEED WITH WORK IN THE AREA OF DISCREPANCY OR CONFLICT UNTIL DIRECTION IS GIVEN BY ARCHITECT. IF CONTRACTOR PROCEEDS WITHOUT DIRECTION FROM ARCHITECT, IT SHALL BE AT CONTRACTORS RISK, AND CONTRACTOR SHALL BE RESPONSIBLE FOR ALL REQUIRED CORRECTIVE ACTION.

4. REVIEW THE ARCHITECTURAL DRAWINGS BEFORE THE INSTALLATION OF SYSTEMS SHOWN ON CONSULTING ENGINEERS DOCUMENTS. DISCREPANCIES BETWEEN THE ARCHITECTURAL AND CONSULTING ENGINEER'S DOCUMENTS SHALL BE BROUGHT TO ARCHITECT'S ATTENTION FOR DIRECTION. CONSTRUCTION INSTALLED IN CONFLICT WITH THE ARCHITECTURAL DRAWINGS SHALL BE CORRECTED BY CONTRACTOR AT NO EXPENSE TO THE OWNER.

5. DO NOT SCALE THE CONSTRUCTION DOCUMENTS. WRITTEN DIMENSIONS TAKE PRECEDENCE OVER SCALED GRAPHICS. NOTIFY ARCHITECT IMMEDIATELY IN WRITING OF ALL ADDITIONAL REQUIRED DIMENSIONS. DO NOT PROCEED WITH WORK IN THE AREA OF DISCREPANCY OR CONFLICT UNTIL DIRECTION IS GIVEN BY ARCHITECT. IF THE CONTRACTOR PROCEEDS WITHOUT DIRECTION FROM ARCHITECT, IT SHALL BE AT CONTRACTORS RISK, AND CONTRACTOR SHALL BE RESPONSIBLE FOR ALL REQUIRED CORRECTIVE ACTION.

6. CORRECT ALL WORK INSTALLED IN CONFLICT WITH THE CONSTRUCTION DOCUMENTS BY CONTRACTOR AS DIRECTED BY ARCHITECT AND AT NO ADDITIONAL EXPENSE TO THE OWNER.

7. VISIT JOB SITE PRIOR TO BEGINNING WORK AND VERIFY ALL DIMENSIONS AND CONDITIONS.

8. SECURE AND PAY FOR ALL PERMITS, GOVERNMENTAL FEES AND LICENSES REQUIRED FOR PROPER COMPLETION OF THE WORK. REQUEST ALL INSPECTIONS REQUIRED BY LOCAL GOVERNMENTAL AGENCIES AND COORDINATE THE WORK ACCORDINGLY.

9. WHERE WORK OR EQUIPMENT IS INDICATED "N.I.C." (NOT IN CONTRACT) ON THE DRAWINGS, SUCH WORK AND/OR EQUIPMENT SHALL BE PROVIDED BY OTHERS. CONTRACTOR SHALL COORDINATE AND COOPERATE TO EFFECT SUCH INSTALLATION.

10. ALL PLAN DIMENSIONS SHOWN AT CENTER OF WALL REPRESENT CENTER LINE OF STUD OR STRUCTURAL ELEMENT UNLESS NOTED OTHERWISE.

11. ALL PLAN DIMENSIONS FOR MASONRY AND CONCRETE REPRESENT FACE OF MATERIAL AND OPENING UNLESS NOTED OTHERWISE.

12. ALL DIMENSIONS SHOWN ARE TO FACE OF STUD AT NEW CONSTRUCTION AND FACE OF FINISH AT EXISTING CONSTRUCTION, UNLESS NOTED OTHERWISE.

13. DIMENSIONS ARE NOT ADJUSTABLE WITHOUT THE REVIEW OF ARCHITECT UNLESS NOTED (+/-) OR "VERIFY". DIMENSIONS NOTED "HOLD" SHALL BE CONSIDERED AS ABSOLUTE AND USED FOR LAY-OUT CONTROL UNLESS OTHERWISE DIRECTED BY ARCHITECT.

14. ALL HEIGHTS ARE DIMENSIONED FROM TOP OF SLAB UNLESS NOTED "AFF" (ABOVE FINISH FLOOR).

15. "TYPICAL" MEANS COMPARABLE CHARACTERISTICS FOR THE ELEVATION OR DETAIL NOTED. WHEN A DETAIL OR NOTE IS IDENTIFIED AS "TYPICAL", CONTRACTOR SHALL APPLY THIS DETAIL OR NOTE TO EVERY LIKE CONDITION, WHETHER OR NOT THE REFERENCE IS REPEATED IN EVERY INSTANCE. VERIFY DIMENSIONS AND ORIENTATION ON PLANS.

16. OVIDE WORK NOT SPECIFICALLY DETAILED OR SPECIFIED IN ACCORDANCE WITH DETAILS OR SIZES COVERING SIMILAR WORK.

17. "SIMILAR" MEANS COMPARABLE CHARACTERISTICS FOR THE ELEVATION OR DETAIL NOTED VERIFY DIMENSIONS AND ORIENTATION ON PLANS.

18. ABBREVIATIONS THROUGHOUT THE DOCUMENTS COMPLY WITH DOCUMENT ABBREVIATION LIST OR ARE THOSE IN COMMON USE. ARCHITECT WILL DEFINE THE INTENT OF ANY IN QUESTION.

19. REFER TO THE PROJECT MANUAL FOR GENERAL CONDITIONS, SUPPLEMENTARY AND SPECIAL CONDITIONS, AND OTHER REQUIREMENTS.

20. PROVIDE BARRICADES AND PROTECTIVE DEVICES SEPARATING CONSTRUCTION AREAS. PROVIDE TEMPORARY PASSAGES AS REQUIRED. PRIOR TO DELIVERY OF MATERIALS TO CONSTRUCTION ZONE AND REMOVAL OF WASTE FROM SITE, CHECK WITH *[OWNER/ARCHITECT/ RESIDENT INSPECTOR]* FOR ACCEPTABLE ACCESS ROUTE AND TIME. UNDER NO CIRCUMSTANCES USE AREA OUTSIDE THE CONSTRUCTION ZONE WITHOUT PRIOR CLEARANCE FROM THE *[OWNER/ARCHITECT/ RESIDENT INSPECTOR]*. COMPLY WITH REQUIREMENTS AS SPECIFIED IN PROJECT MANUAL.

21. PROVIDE FOR THE PROPER SEQUENCE OF CONSTRUCTION, LOCATION AND SIZE OF OPENINGS. COORDINATE ALL CONSTRUCTION AS INDICATED BY THE CONTRACT DOCUMENTS, INCLUDING SHOP DRAWINGS REVIEWED BY ARCHITECT.

22. TAKE ALL MEASURES TO ACCOMPLISH THE WORK WITH THE MINIMUM OF INTERRUPTION TO NORMAL BUILDING PROCEDURES. NOTIFY OWNER IN ADVANCE OF HVAC, ELECTRICAL OR OTHER BUILDING SYSTEM SHUT-OFFS. MINIMIZE NOISE AND DUST GENERATION TO MAXIMUM EXTENT POSSIBLE. COMPLY WITH REQUIREMENTS AS SPECIFIED IN PROJECT MANUAL.

23. REMOVE ALL TRASH AND DEBRIS DAILY. DO NOT STORE BUILDING MATERIALS IN CORRIDORS AT ANY TIME. COMPLY WITH REQUIREMENTS AS SPECIFIED IN PROJECT MANUAL.

24. PERFORM ALL CUTTING, PATCHING, AND FINISHING NECESSARY TO RESTORE THE BUILDING AND SITE TO ORIGINAL CONDITION OF ALL EXISTING PORTIONS OF THE BUILDING AND SITE AFFECTED BY CONTRACTORS WORK, TO THE SATISFACTION OF ARCHITECT AND OWNER.

25. VERIFY POINTS OF CONNECTION, INCLUDING SIZES AND LOCATIONS, AND ALL OTHER REQUIRED OPERATING CRITERIA WITH EQUIPMENT MANUFACTURER.

26. COORDINATE THE LOCATION AND TYPE OF ALL ACCESS PANELS REQUIRED FOR ACCESSING MECHANICAL, PLUMBING, ELECTRICAL AND OTHER BUILDING SYSTEMS WITH ARCHITECT.

27. CONTRACTOR SHALL STIPULATE THAT ALL PROPOSED SUBSTITUTIONS ARE EQUAL IN PERFORMANCE AND COMPLY WITH APPLICABLE CODES AND REGULATIONS. CONTRACTOR'S SUBSTITUTION OF ALTERNATE MATERIALS OR SYSTEMS SHALL BE AT NO ADDITIONAL COST TO OWNER.

28. CONTRACTOR SHALL INSURE ALL CONSTRUCTION SHALL REMAIN ACCESSIBLE AND EXPOSED FOR INSPECTION PURPOSES UNTIL APPROVED BY THE INSPECTOR OF RECORD. FOR CONTINUOUS INSPECTION, TESTING, AND OBSERVATION REQUIREMENTS, REFER TO THE TESTING AND OBSERVATION PROGRAM.

29. PROTECTION DURING WELDING: CONFORM TO TITLE 8, C.C.R. FURTHER PROTECT OCCUPANTS AND THE PUBLIC WITH PORTABLE SOLID VISION BARRICADES AROUND LOCATION WHERE WELDING IS BEING PERFORMED. PROVIDE SIGNS WARNING AGAINST LOOKING AT WELDING WITHOUT PROPER EYE PROTECTION OR EQUIVALENT. SEE C.F.C. FOR REQUIREMENTS FOR ON SITE WELDING.

STRUCTURAL NOTES

1. SUPPORT AND BRACE ALL PIPES, DUCTS, AND CONDUITS PER THE FOLLOWING STANDARDS OR APPROVED EQUAL:

- OSHPD ANCHORAGE PRE-APPROVAL #R-0010: SMACNA "GUIDELINES FOR SEISMIC RESTRAINTS OF MECHANICAL SYSTEMS AND PLUMBING PIPING SYSTEMS"
- OSHPD ANCHORAGE PRE-APPROVAL #R-0005: SUPERSTRUT SEISMIC RESTRAINT SYSTEM (FOR PIPES AND CONDUIT ONLY)

2. PROVIDE ALL TEMPORARY SHORING AND BRACING AS REQUIRED FOR ALL DEMOLITION AND NEW WORK AS REQUIRED. ASSUME FULL RESPONSIBILITY FOR REPAIR AND/OR REPLACEMENT OF DAMAGED AREAS, INCLUDING BUT NOT NECESSARILY LIMITED TO, STRUCTURE, FINISHES, EQUIPMENT AND FURNISHINGS IF DAMAGE OF ANY KIND OCCURS AS RESULT OF IMPROPER OR INADEQUATE SHORING OR BRACING,

3. UNLESS SPECIFICALLY DETAILED ON STRUCTURAL DRAWINGS, DO NOT CUT OR OTHERWISE MODIFY STRUCTURAL ELEMENTS WITHOUT DIRECTION FROM ARCHITECT. PROVIDE REINFORCEMENT, SUPPORT, TEMPORARY SHORING SATISFACTORY TO THE ARCHITECT AND STRUCTURAL ENGINEER PRIOR TO CUTTING INTO STRUCTURAL PORTIONS OF ANY BUILDING ELEMENT. PROVIDE ALL CUTTING OF STRUCTURAL ELEMENTS, AND ALL ASSOCIATED REPAIR OR REFINISHING OF ADJACENT SURFACES AT NO ADDITIONAL EXPENSE TO THE OWNER.

4. WHEN INSTALLING DRILLED-IN ANCHORS AND/OR POWER DRIVEN PINS IN EXISTING NON-PRE-STRESSED REINFORCED CONCRETE, USE CARE AND CAUTION TO AVOID CUTTING OR DAMAGING EXISTING REINFORCING BARS. WHEN INSTALLING DRILLED-IN ANCHORS AND/OR POWER DRIVEN PINS IN EXISTING PRE-STRESSED REINFORCED CONCRETE (POST OR PRE TENSIONED), USE A NON-DESTRUCTIVE METHOD TO LOCATE TENDONS PRIOR TO INSTALLATION. EXERCISE EXTREME CARE AND CAUTION TO AVOID CUTTING OR DAMAGING THE TENDONS DURING INSTALLATION. MAINTAIN A MINIMUM CLEARANCE OF ONE INCH BETWEEN THE REINFORCEMENT AND THE DRILLED-IN ANCHOR AND/OR PIN.

5. PROVIDE TEMPORARY SHORING FOR EXCAVATIONS THAT REMOVE THE LATERAL SUPPORT FROM AN EXISTING BUILDING OR A PUBLIC WAY. PRIOR TO ISSUANCE OF PERMIT, OBTAIN APPROVAL FROM THE ENFORCING AGENCY FOR EXCAVATIONS ADJACENT TO A PUBLIC WAY.

6. OBTAIN NECESSARY PERMITS, INCLUDING CALIFORNIA DIVISION OF INDUSTRIAL SAFETY, PRIOR TO ISSUANCE OF A BUILDING OR GRADING PERMIT FOR ALL TRENCHING.

DEMO AND RENOVATION NOTES

1. THE INTENT OF THE DRAWINGS AND SPECIFICATIONS IS TO MODIFY THE FACILITY FOR ACCESSIBILITY IN ACCORDANCE WITH TITLE 24, CALIFORNIA CODE OF REGULATIONS. SHOULD ANY CONDITIONS DEVELOP NOT COVERED BY THE CONTRACT DOCUMENTS SUCH THAT THE FINISHED WORK WILL NOT COMPLY WITH SAID TITLE 24, CALIFORNIA CODE OF REGULATIONS, A CHANGE ORDER DETAILING AND SPECIFYING THE REQUIRED WORK SHALL BE SUBMITTED TO AND APPROVED BY DSA BEFORE PROCEEDING WITH THE WORK.

2. VERIFY ALL EXISTING CONDITIONS INCLUDING BUT NOT LIMITED TO, MECHANICAL, PLUMBING, ELECTRICAL, PNEUMATIC TUBE, AND ALL OTHER EXISTING SYSTEMS. MAKE NECESSARY PROVISIONS TO MAINTAIN THE INTEGRITY OF EXISTING SYSTEMS PRIOR TO THE COMMENCEMENT OF DEMOLITION.

3. REFER TO DOCUMENTS PREPARED BY CONSULTING ENGINEERS FOR INFORMATION REGARDING THE REMOVAL OF EXISTING SYSTEMS.

4. COMPLY WITH ANSI A10.6 "SAFETY REQUIREMENTS FOR DEMOLITION" PUBLISHED BY THE AMERICAN NATIONAL STANDARDS INSTITUTE.

ACCESSIBILITY NOTES

1. PUBLIC WALKS FROM THE BUILDING TO THE PUBLIC WAY AND TO PARKING AREAS DESIGNATED AS ACCESSIBLE SHALL COMPLY WITH CHAPTER 11B, PART 2, TITLE 24, CCR. PROVIDE WALKS A MINIMUM OF 48 INCHES WIDE AND WITH A GRADIENT NOT GREATER THAN 5% (1:20), WITH NO ABRUPT CHANGES GREATER THAN 1/2 INCHES IN THE DIRECTION OF TRAVEL.

2. PROVIDE WALKS WITH LEVEL LANDINGS AT ALL EXTERIOR EXIT DOORS COMPLYING WITH CHAPTERS 10 AND 11B, PART 2, TITLE 24, CCR., WITH NOT LESS THAN 60 INCHES X 60 INCHES IN DIMENSION AND WITH MAXIMUM 2 PERCENT SLOPE.

3. SURFACE CROSS SLOPE GRADIENT SHALL NOT EXCEED 2 PERCENT PER FOOT AT WALKS AND PATHS WITHIN THE ACCESSIBLE PATH OF TRAVEL.

4. PROVIDE ACCESSIBLE BUILDING ENTRANCES COMPLYING WITH CHAPTERS 10 AND 11B, PART 2, TITLE 24, CCR., UNLESS SHOWN OTHERWISE.

5. PROVIDE WARNING CURB, RAILING/GUIDE RAIL OR OTHER PROTECTIVE DEVICE AT ALL ABRUPT CHANGES IN LEVEL, (EXCEPT BETWEEN A WALK/SIDEWALK AND ADJACENT STREET OR DRIVEWAY) COMPLYING WITH CHAPTER 11B, PART 2, TITLE 24, CCR. PROVIDE MINIMUM 6 INCH HIGH CURB. WHERE GUARDRAIL OR HANDRAIL IS PROVIDED, NO CURB IS REQUIRED IF GUIDE RAIL IS PROVIDED CENTERED AT 3 INCHES ABOVE SURFACE OF WALKWAY, PLUS OR MINUS 1 INCH. NO CURB IS REQUIRED IF WALKWAY IS 5 PERCENT OR LESS IN GRADIENT OR NO ADJACENT HAZARD EXISTS.

6. DOOR CONSTRUCTION AND HARDWARE

PROVIDE THE BOTTOM 10 INCHES OF ALL DOORS (EXCEPT AUTOMATIC AND SLIDING DOORS) WITH A SMOOTH UNINTERRUPTED SURFACE PERMITTING THE DOOR TO BE OPENED BY A WHEELCHAIR FOOTREST WITHOUT CREATING A TRAP OR HAZARDOUS CONDITION.

LIMIT DOOR OPERATING FORCE IN COMPLIANCE WITH CHAPTER 11B, PART 2, TITLE 24, CCR. MAXIMUM EFFORT TO OPERATE DOORS SHALL NOT EXCEED THE FOLLOWING:

8.5 POUNDS FOR EXTERIOR DOORS
5 POUNDS FOR INTERIOR DOORS.
15 POUNDS FOR DOORS WITH FIRE RATED LABELS.

PROVIDE DOOR OPENING HARDWARE COMPLYING WITH CHAPTERS 10 AND 11B, PART 2, TITLE 24, CCR. CENTER HAND-ACTIVATED DOOR OPENING HARDWARE BETWEEN 30 INCHES AND 44 INCHES ABOVE THE FLOOR. HAND ACTIVATED LATCHING AND LOCKING DOORS, LOCATED IN THE PATH OF TRAVEL, SHALL BE OPERABLE WITH A SINGLE EFFORT BY LEVER TYPE HARDWARE, BY PANIC BARS, PUSH-PULL ACTIVATING BARS, OR OTHER HARDWARE DESIGNED TO PROVIDE PASSAGE WITHOUT REQUIRING THE ABILITY TO GRASP THE OPENING HARDWARE. LOCKED EXIT DOORS SHALL BE ACCESSIBLE AS SPECIFIED IN DIRECTION OF EGRESS.

PROVIDE THRESHOLDS COMPLYING WITH CHAPTER 11B, PART 2, TITLE 24, CCR, WITH MAXIMUM TOTAL HEIGHT OF 1/2 INCHES.

7. ACCESSIBLE WATER CLOSET COMPARTMENTS AND FIXTURES

PROVIDE ACCESSIBLE WATER CLOSETS COMPLYING WITH CHAPTER 11B, PART 2, TITLE 24, CCR.

PROVIDE ACCESSIBLE CONTROLS COMPLYING WITH CHAPTER 11B, PART 2, TITLE 24, CCR AND CHAPTER 15, PART 5, TITLE 24, CCR.

EXCEPT FOR DOOR OPENING WIDTHS AND DOOR SWINGS, PROVIDE A MINIMUM 44 INCH WIDE CLEAR AND UNOBSTRUCTED ACCESS PATH TO ACCESSIBLE WATER CLOSET COMPARTMENTS.

PROVIDE MINIMUM 48 INCH CLEAR SPACE IMMEDIATELY IN FRONT OF WATER CLOSET WHEN DOOR IS AT END OF COMPARTMENT.

PROVIDE MINIMUM 60 INCH CLEAR SPACE IMMEDIATELY IN FRONT OF WATER CLOSET WHEN DOOR IS AT SIDE OF COMPARTMENT.

PROVIDE ACCESSIBLE WATER CLOSETS WITH SEAT HEIGHTS A MINIMUM OF 17 INCHES AND A MAXIMUM OF 19 INCHES AFF, MEASURED TO THE TOP OF THE TOILET SEAT.

PROVIDE FLUSH CONTROLS OPERABLE BY AN OSCILLATING HANDLE WITH A MAXIMUM OPERATING FORCE OF FIVE POUNDS, REMOTE LOW VOLTAGE BUTTON OR OTHER APPROVED CONTROL DEVICE. LOCATE HANDLE OR CONTROL TO BE OPERABLE WITHOUT REQUIRING EXCESSIVE BODY MOVEMENT.

PROVIDE WATER CLOSET COMPARTMENT DOORS WITH AN AUTOMATIC CLOSING DEVICE, PROVIDE COMPARTMENT DOORS WITH A CLEAR UNOBSTRUCTED OPENING WIDTH OF 32 INCHES WHEN LOCATED AT THE END AND 34 INCHES WHEN LOCATED AT THE SIDE, MEASURED WITH THE DOOR POSITIONED AT AN ANGLE OF 90 DEGREES FROM ITS CLOSED POSITION.

8. ACCESSIBLE URINALS

PROVIDE ACCESSIBLE URINALS COMPLYING WITH CHAPTER 11B, PART 2, TITLE 24, CCR .

PROVIDE ACCESSIBLE CONTROLS COMPLYING WITH CHAPTER 11B, PART 2, TITLE 24, CCR AND CHAPTER 15, PART 5, TITLE 24, CCR.

WHERE URINALS ARE PROVIDED, PROVIDE AT LEAST ONE ELONGATED RIM FIXTURE WITH RIM MOUNTED AT A MAXIMUM OF 17 INCHES ABOVE THE FLOOR. PROVIDE FLUSH CONTROLS OPERABLE BY AN OSCILLATING HANDLE WITH A MAXIMUM OPERATING FORCE OF FIVE POUNDS, REMOTE LOW VOLTAGE BUTTON OR OTHER APPROVED CONTROL DEVICE. MOUNT CONTROL A MAXIMUM OF 44 INCHES AFF.

9. ACCESSIBLE LAVATORIES

PROVIDE LAVATORIES COMPLYING WITH CHAPTER 11B, PART 2, TITLE 24, CCR.

PROVIDE ACCESSIBLE CONTROLS COMPLYING WITH CHAPTER 11B, PART 2, TITLE 24, CCR AND CHAPTER 15, PART 5, TITLE 24, CCR.

PROVIDE LAVATORIES WITH MINIMUM 29 INCHES CLEARANCE FROM FINISH FLOOR TO APRON. PROVIDE KNEE CLEARANCE UNDER FRONT APRON MINIMUM 30 INCHES WIDE, MINIMUM 27 INCHES HIGH MEASURED 8 INCHES BACK FROM APRON FRONT EDGE. PROVIDE TOE CLEARANCE MINIMUM 9 INCHES HIGH, 30 INCHES WIDE, EXTENDING MINIMUM 17 INCHES IN DEPTH FROM THE FRONT OF LAVATORY.

INSULATE OR OTHERWISE COVER HOT WATER AND DRAIN PIPES UNDER LAVATORY. SHARP OR ABRASIVE SURFACES UNDER LAVATORIES ARE NOT PERMITTED.

PROVIDE FAUCET CONTROLS AND OPERATING MECHANISMS OPERABLE WITH ONE HAND AND NOT REQUIRING TIGHT GRASPING, PINCHING OR TWISTING OF THE WRIST. LIMIT FORCE REQUIRED TO ACTIVATE CONTROLS TO MAXIMUM 5 POUNDS. SELF-CLOSING VALVES ARE ALLOWED IF THE FAUCET REMAINS OPEN FOR AT LEAST 10 SECONDS.

10. ACCESSIBLE SINKS

PROVIDE SINKS COMPLYING WITH CHAPTER 11B, PART 2, TITLE 24, CCR AND CHAPTER 15, PART 5, TITLE 24, CCR CHAPTER 11B.

PROVIDE ACCESSIBLE CONTROLS COMPLYING WITH CHAPTER 11B, PART 2, TITLE 24, CCR AND CHAPTER 15, PART 5, TITLE 24, CCR.

PROVIDE KNEE CLEARANCE UNDER SINKS MINIMUM 30 INCHES WIDE AND MINIMUM 27 INCHES HIGH, MEASURED FROM FINISH FLOOR TO BOTTOM OF SINK, AND EXTENDING A MINIMUM OF 19 INCHES FROM APRON FRONT EDGE.

PROVIDE SINKS WITH MAXIMUM DEPTH OF 6-1/2 INCHES.

INSULATE OR OTHERWISE COVER HOT WATER AND DRAIN PIPES UNDER SINK. SHARP OR ABRASIVE SURFACES UNDER SINKS ARE NOT PERMITTED.

PROVIDE FAUCET CONTROLS AND OPERATING MECHANISMS OPERABLE WITH ONE HAND AND NOT REQUIRING TIGHT GRASPING, PINCHING OR TWISTING OF THE WRIST. LIMIT FORCE REQUIRED TO ACTIVATE CONTROLS TO MAXIMUM 5 POUNDS. SELF-CLOSING VALVES ARE ALLOWED IF THE FAUCET REMAINS OPEN FOR AT LEAST 10 SECONDS.

11. GRAB BARS

PROVIDE GRAB BARS COMPLYING WITH CHAPTER 11B, PART 2, TITLE 24, CCR.

SHARP OR ABRASIVE SURFACES ADJACENT TO GRAB BARS ARE NOT PERMITTED.

LOCATE GRAB BARS ON ONE SIDE AND THE BACK OF THE WATER CLOSET, 33 INCHES ABOVE AND PARALLEL TO THE FLOOR. PROVIDE SIDE GRAB BARS AT LEAST 48 INCHES LONG, WITH THE FRONT END POSITIONED 24 INCHES IN FRONT OF THE WATER CLOSET. LOCATE SIDE MOUNTED GRAB BAR MAXIMUM 12 INCHES FROM REAR WALL.

PROVIDE REAR GRAB BARS AT LEAST 36 INCHES LONG, MOUNTED WITH CLOSEST END A MAXIMUM OF 6 INCHES FROM SIDE WALL..

PROVIDE GRAB BARS WITH GRIPPING SURFACE DIAMETER OR WIDTH LIMITED TO 1-1/4 INCHES TO 1-1/2 INCHES OR EQUIVALENT GRIPPING SURFACE. PROVIDE MINIMUM 1/8 INCH RADIUS AT ALL GRAB BAR EDGES. WHERE GRAB BARS ARE MOUNTED ADJACENT TO A WALL, THE SPACE BETWEEN THE WALL AND THE GRAB BARS SHALL BE 1-1/2 INCHES.

GRAB BARS SHALL NOT ROTATE IN THEIR FITTINGS.

12. ACCESSIBLE TOILET ACCESSORIES

PROVIDE ACCESSORIES COMPLYING WITH CHAPTER 11B, PART 2, TITLE 24, CCR.

WHERE TOWEL, SOAP AND SIMILAR DISPENSING AND DISPOSAL FIXTURES ARE PROVIDED, PROVIDE AT LEAST ONE OF EACH TYPE WITH ALL OPERABLE PARTS, INCLUDING COIN SLOTS, LOCATED MAXIMUM 40 INCHES AFF.

MOUNT MIRRORS WITH THE BOTTOM EDGE OF THE REFLECTING SURFACE MAXIMUM 40 INCHES AFF.

LOCATE TOILET TISSUE DISPENSERS WITHIN 12 INCHES OF THE FRONT EDGE OF THE TOILET SEAT.

ACCESSIBILITY NOTES

13. ACCESSIBLE DRINKING FOUNTAINS

PROVIDE DRINKING FOUNTAINS COMPLYING WITH CHAPTER 11B, PART 2, TITLE 24, CCR, CHAPTER 15, PART 5, TITLE 24, CCR.

PROVIDE DRINKING FOUNTAIN WITH MINIMUM 18 INCH DEPTH.

PROVIDE DRINKING FOUNTAINS WITH KNEE CLEARANCE MINIMUM 32 INCHES WIDE, MINIMUM 27 INCHES HIGH MEASURED 8 INCHES BACK FROM FOUNTAIN FRONT EDGE. PROVIDE TOE CLEARANCE MINIMUM 9 INCHES HIGH, 32 INCHES WIDE, EXTENDING MAXIMUM 6 INCHES IN DEPTH FROM THE REAR WALL.

SIDE APPROACH DRINKING FOUNTAIN IS NOT ACCEPTABLE.

ACTIVATE WITH LEVER, PUSH BAR OR OTHER APPROVED CONTROL LOCATED MAXIMUM 6 INCHES FROM FRONT EDGE. LOCATE BUBBLER ORIFICE MAXIMUM 6 INCHES FROM FRONT EDGE AND MAXIMUM 36 INCHES AFF. THE WATER STREAM FROM THE BUBBLER SHALL BE SUBSTANTIALLY PARALLEL TO THE FRONT EDGE OF THE DRINKING FOUNTAIN.

14. ACCESSIBILITY SIGNAGE

PROVIDE ACCESSIBLE PARKING SIGNAGE COMPLYING WITH CHAPTER 11B, DIVISION II, PART 2, TITLE 24, CCR.

PROVIDE TOILET ROOM ACCESSIBILITY SIGNAGE COMPLYING WITH CHAPTER 11B, DIVISION I, PART 2, TITLE 24, CCR.

PROVIDE PERMANENT ROOM ACCESSIBILITY SIGNAGE COMPLYING WITH CHAPTER 11B, DIVISION I, PART 2, TITLE 24, CCR.

PROVIDE DIRECTIONAL AND INFORMATIONAL ACCESSIBILITY SIGNAGE COMPLYING WITH CHAPTER 11B, DIVISION I, PART 2, TITLE 24, CCR.

IDENTIFY EACH ACCESSIBLE PARKING SPACE WITH A PERMANENTLY AFFIXED REFLECTORIZED SIGN, NO SMALLER THAN 70 SQUARE INCHES, DISPLAYING THE INTERNATIONAL SYMBOL OF ACCESSIBILITY. WHEN LOCATED IN PATH OF TRAVEL, INSTALL BOTTOM OF SIGN AT MINIMUM 80 INCHES ABOVE FINISHED GRADE. HEIGHT OF 80 INCHES FROM BOTTOM OF SIGN TO FINISHED GRADE AT PATH OF TRAVEL. SIGN MAY BE CENTERED ON THE WALL AT THE INTERIOR END OF THE PARKING SPACE AT A MINIMUM HEIGHT OF 60 INCHES FROM THE PARKING SPACE FINISHED GRADE.

PROVIDE SIGN AT EACH ENTRANCE TO OFF-STREET PARKING WITH ACCESSIBLE PARKING, NOT LESS THAN 17 X 22 INCHES IN SIZE, WITH LETTERING NOT LESS THAN 1 INCH IN HEIGHT CLEARLY AND CONSPICUOUSLY STATING THE FOLLOWING:

"UNAUTHORIZED VEHICLES PARKED IN DESIGNATED ACCESSIBLE SPACES NOT DISPLAYING DISTINGUISHING PLACARDS OR SPECIAL LICENSE PLATES ISSUED FOR PERSONS WITH DISABILITIES MAY BE TOWED AWAY AT OWNER'S EXPENSE. TOWED VEHICLES MAY BE RECLAIMED AT _____."

PROVIDE AT EACH ACCESSIBLE PARKING SPACE A SURFACE APPLIED IDENTIFICATION DUPLICATING THE SYMBOL OF ACCESSIBILITY IN BLUE PAINT, A MINIMUM OF 3 X 3 FEET, AND VISIBLE FROM DRIVE AREA WHEN VEHICLE IS PROPERLY PARKED.

PROVIDE 1/4" THICK IDENTIFICATION SYMBOLS ON DOORS TO SANITARY FACILITIES, CONSISTING OF A 12 INCH TRIANGLE FOR MEN AND 12 INCH DIAMETER CIRCLE FOR WOMEN.

FIRE & LIFE SAFETY NOTES

1. ALL INTERIOR WALL AND CEILING FINISHES SHALL CONFORM TO THE REQUIREMENTS OF 2016 CBC CHAPTER 8. ALL FINISHES SHALL HAVE A FLAME SPREAD RATING OF 75 OR LESS AND A SMOKE DENSITY NOT TO EXCEED 450 WHEN TESTED IN ACCORDANCE WITH 2016 CBC TABLE 803.11.

2. ALL INSULATION MATERIALS INSTALLED WITHIN ROOF-CEILING ASSEMBLIES, ATTICS, OR WALLS SHALL HAVE A FLAME - SPREAD RATING NOT TO EXCEED 25 AND A SMOKE DENSITY NOT TO EXCEED 450 WHEN TESTED IN ACCORDANCE WITH 2016 CBC SECTION 720.

3. ALL RATED DOORS SHALL BE POSITIVE LATCHING.

4. ALL FIRE RATED DOOR ASSEMBLIES SHALL BE PROVIDED WITH APPROVED GASKETING MATERIAL INSTALLED TO PROVIDE A SEAL WHERE THE DOOR MEETS THE STOP ON BOTH SIDES AND ACROSS THE TOP.

5. MANUFACTURER'S INSTALLATION INSTRUCTIONS SHALL BE AVAILABLE ON THE JOB SITE FOR ALL RATED OPENING ASSEMBLIES.

6. ALL ELECTRICAL, MECHANICAL, AND PLUMBING PENETRATIONS, INCLUDING CONDUITS AND PIPING, THROUGH FIRE RATED WALL, FLOOR AND CEILING ASSEMBLIES SHALL BE TIGHTLY AND SOLIDLY SEALED WITH FIRESTOPPING COMPLYING WITH 2016 CBC SECTION 714 AND THE PROJECT MANUAL. WHERE ITEM PENETRATES AN AREA SEPARATION WALL, THE SECTION PASSING THROUGH THE WALL SURFACE AND THE FIXTURE CONNECTIONS THERETO SHALL BE ONLY OF METAL.

7. PROVIDE A PORTABLE FIRE EXTINGUISHER WITH A RATING OF NOT LESS THAN 2-A-10BC WITHIN A 75 FOOT TRAVEL DISTANCE TO ALL PORTIONS OF THE BUILDING ON EACH FLOOR.

8. PROVIDE AN APPROPRIATE NUMBER OF PORTABLE FIRE EXTINGUISHERS WITH A RATING OF NOT LESS THAN 4A-60BC FOR PROTECTION DURING CONSTRUCTION.

9. THE CONTRACTOR SHALL PROVIDE AND INSTALL TEMPORARY PEDESTRIAN PROTECTION AS REQUIRED BY LOCAL CODE AND SPECIFICATION.

10. DO NOT BLOCK EXITS AT ANY TIME.

11. THE FIRE ALARM SYSTEM SHALL CONFORM TO ARTICLE 760 OF THE CALIFORNIA ELECTRICAL CODE, STANDARDS AS DEFINED IN CHAPTER 35 CALIFORNIA BUILDING CODE AND APPLICABLE NFPA STANDARDS.

12. THE CONTRACTOR SHALL PROVIDE PROTECTION COMPLYING WITH TITLE 8, CCR, DURING WELDING. FURTHER PROTECTION SHALL BE PROVIDED TO ANY OCCUPANTS AND THE PUBLIC WITH PORTABLE SOLID VISION BARRICADES AROUND LOCATION WHERE WELDING IS BEING PERFORMED. PROVIDE SIGNS WARNING AGAINST LOOKING AT WELDING WITHOUT PROPER EYE PROTECTION OR EQUIVALENT.

AGENCY REVIEW

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP. 03-120009 INC: 02
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 12/12/2019

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OXNARD UNION HIGH SCHOOL DISTRICT

PROJECT NAME
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CONSULTANT

SEAL
LICENSED ARCHITECT
CHRISTOPHER R. TITUS
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EXP. 11-30-21
STATE OF CALIFORNIA

ISSUE FOR
DSA SUBMITTAL

ISSUE DATE
12/02/19

REVISIONS

NO.	REASON	DATE

PROJECT TEAM
PRINCIPAL IN CHARGE
JT
PROJECT MANAGER
LEB
DESIGN TEAM
FM/ RG/ JR/ CL/ TA

PROJECT NAME
PACIFICA HIGH SCHOOL
TRACK & FIELD
IMPROVEMENTS - INC. 2

PROJECT NO.
612-123-5303

SHEET TITLE
GENERAL NOTES

SHEET NUMBER
A0.1

ABBREVIATIONS

&	AND
∠	ANGLE
@	AT
AB	ANCHOR BOLT
ABAN	ABANDON
ABS	ACRYLONITRILE BUTADIENE STYRENE
ABV	ABOVE
AC	AIR CONDITIONING
AC	ASPHALTIC CONCRETE
ACOUS	ACOUSTICAL
AC PVG	ASPHALT CONCRETE PAVING
ACP	ACOUSTICAL PANEL
ACT	ACOUSTICAL TILE
ACU	AIR CONDITIONING UNIT
AD	AREA DRAIN
ADDL	ADDITIONAL
ADJ	ADJUSTABLE
AFF	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
AGGR	AGGREGATE
AHU	AIR HANDLING UNIT
AL	ALUMINUM
ALT	ALTERNATE
AMT	AMOUNT
ANOD	ANODIZED
AP	ACCESS PANEL
APPROX	APPROXIMATE
ARCH	ARCHITECT/ARCHITECTURAL
ASD	AUTOMATIC SPRINKLER DRAIN
ASPH	ASPHALT
ASSY	ASSEMBLY
AV	AUDIO VISUAL
AWP	ACOUSTICAL WALL PANEL
BAL	BALANCE
BBD	BULLETIN BOARD
BBRG	BALL BEARING
BC	BACK OF CURB
BD	BOARD
BG	BUMPER GUARD
BETW	BETWEEN
BEV	BEVEL
BITUM	BITUMINOUS
BLDG	BUILDING
BLK	BLOCK
BLKG	BLOCKING
BLKHD	BULKHEAD
BLW	BELOW
BM	BEAM
BM	BENCH MARK
BMU	BRICK MASONRY UNIT
BOF	BOTTOM OF FOOTING
BOT	BOTTOM
BRG	BEARING
BRS	BRASS
BRZ	BRONZE
BSMNT	BASEMENT
BUR	BUILT-UP ROOF
C_	CENTERLINE
C&G	CURB AND GUTTER
C/C	CENTER TO CENTER
CAB	CABINET
CB	CORNER BEAD
CB	CATCHBASIN
CBD	CHALKBOARD
CCTV	CLOSED CIRCUIT TELEVISION
CCW	COUNTER CLOCKWISE
CEM	CEMENT
CER	CERAMIC
CI	CAST IRON
CIP	CAST IRON PIPE
CJ	CONSTRUCTION JOINT
CF	CLEAR FINISH COATING
CFX	CLEAR FINISH COATING - EXTERIOR
CG	CORNER GUARD
CL	CENTER LINE
CLG	CEILING
CLG DIFF	CEILING DIFFUSER
CLG HT	CEILING HEIGHT
CLG REG	CEILING REGISTER
CLO	CLOSET
CLR	CLEAR
CMP	CORRUGATED METAL PIPE
CMU	CONCRETE MASONRY UNIT
CO	CLEANOUT
COL	COLUMN
COM	COMMON
COMB	COMBINATION
COMPL	COMPLETE
CONC	CONCRETE
CONC FL	CONCRETE FLOOR
COND	CONDENSER/CONDENSATE
CONF	CONFERENCE
CONN	CONNECTION
CONSTR	CONSTRUCTION
CONT	CONTINUOUS/CONTINUATION
CONTR	CONTRACT/CONTRACTOR
COORD	COORDINATE
CORR	CORRIDOR
COTG	CLEAN OUT TO GRADE
COV	COVER
COV PL	COVER PLATE
CP	CONCRETE PAVING
CP	CONTROL PANEL
CPT	CARPET
CPVC	CHLORINATED POLYVINYL CHLORIDE
CR	CRASHRAIL
CR	COAT RACK/COAT ROD
CRSTL	COLD ROLLED STEEL
CS	CHANGING STATION
CSK	COUNTERSINK
CSMNT	CASEMENT
CT	CERAMIC TILE
CTV	CABLE TELEVISION
CU YD	CUBIC YARD
CW	COLD WATER
CYL	CYLINDER
DAT	DATUM
DBL ACT	DOUBLE ACTING
DEMO	DEMOLITION
DEPT	DEPARTMENT
DET	DETAIL
DF	DRINKING FOUNTAIN
DH	DOUBLE HUNG
DIAG	DIAGONAL
DIAM	DIAMETER
DIFF	DIFFERENCE
DIFF	DIFFUSER
DIM	DIMENSION
DIP	DUCTILE IRON PIPE
DISP	DISPENSER
DIV	DIVISION
DL	DEAD LOAD
DN	DOWN
DO	DITTO
DR	DOOR
DRN	DRAIN
DS	DIRECTIONAL SIGN
DS	DOWNSPOUT
DUPL	DUPLICATE
DW	DISHWASHER
DWG	DRAWING
DWL	DOWEL
DWR	DRAWER
DWV	DRAIN WASTE & VENT
E	EAST
EA	EACH
(E)	EXISTING
EC	ELASTOMERIC COATING
ECON	ECONOMIZER
ECU	EVAPORATIVE COOLING UNIT
EF	EACH FACE
EHD	ELECTRIC HAND DRYER
EJ	EXPANSION JOINT
EL	ELEVATION
ELAST	ELASTOMERIC
ELEC	ELECTRICAL)
ELEV	ELEVATOR
EMER	EMERGENCY
ENAM	ENAMEL
ENCL	ENCLOSURE
ENGR	ENGINEER
ENTR	ENTRANCE
EP	ELECTRICAL PANEL
EOP	EDGE OF PAVEMENT
EPDM	ETHYLENE PROPYLENE DIENE MONOMER
EQ	EQUAL
EQL SP	EQUALLY SPACED
EQUIP	EQUIPMENT
ES	EACH SIDE
EST	ESTIMATE
ESMNT	EASEMENT
EW	EACH WAY
EWC	ELECTRICAL WATER COOLER
EXH	EXHAUST
EXIST	EXISTING
EXIST GR	EXISTING GRADE
EXP	EXPANSION
EXP JT	EXPANSION JOINT
EXT	EXTERIOR
F/F	FACE TO FACE
FA	FIRE ALARM
FACP	FIRE ALARM CONTROL PANEL
FC	FOOTCANDLE
FCO	FLOOR CLEANOUT
FCU	FAN COIL UNIT
FD	FIRE DAMPER
FD	FLOOR DRAIN
FDC	FIRE DEPARTMENT CONNECTION
FDN	FOUNDATION
FE	FIRE EXTINGUISHER
FEC	FIRE EXTINGUISHER CABINET
FEM	FEMALE
FGL	FIBERGLASS
FHC	FIRE HOSE CABINET
FHMS	FLAT HEAD MACHINE SCREW
FHWS	FLAT HEAD WOOD SCREW
FH	FIRE HYDRANT
FIN	FINISH
FIXT	FIXTURE
FF	FINISH FLOOR
FG	FINISH GRADE
FL	FLASHING
FL	FLOW LINE
FLR	FLOOR/FLOORING
FLR FIN	FLOOR FINISH
FLUOR	FLUORESCENT
FOC	FACE OF CONCRETE
FOF	FACE OF FINISH
FOM	FACE OF MASONRY
FOS	FACE OF STUD
FPM	FEET PER MINUTE
FREQ	FREQUENCY
FS	FLOOR SINK
FSPKR	FIRE SPRINKLER
FSS	FOLDING SHOWER SEAT
FSTNR	FASTENER
FT	FOOT
FTG	FITTING
FTG	FOOTING
FURR	FURRING
FURN	FURNITURE
FUT	FUTURE
FWC	FABRIC WALL COVERING
G	GAS
GA	GAGE/GAUGE
GAL	GALLON
GALV	GALVANIZED
GB	GRAB BAR
GI	GALVANIZED IRON
GL	GLASS
GLU LAM	GLUE LAMINATED
GLBM	GLUE LAMINATED BEAM
GLZ	GLAZING
GMU	GLASS MASONRY UNIT
GND	GROUND
GOVT	GOVERNMENT
GPH	GALLONS PER HOUR
GPM	GALLONS PER MINUTE
GR	GRADE/GRADING
GRC	GRAFITTI RESISTANT COATING
GR BM	GRADE BEAM
GR LN	GRADE LINE
GRTG	GRATING
GRV	GRAVITY ROOF VENTILATOR
GSTL	GALVANIZED STEEL
GV	GRAVITY VENT
GVL	GRAVEL
GVTR	GAS VENT THROUGH ROOF
GYP	GYPSUM
GBD	GYPSUM BOARD
H	HIGH
H PLAM	HIGH PRESSURE LAMINATE
HB	HOSE BIBB
HC	HOLLOW CORE
HC	HOSE CABINET
HD	HEAD
HDBD	HARDBOARD
HDR	HEADER
HDWL	HEADWALL
HDWR	HARDWARE
HGR	HANGER
HGT	HEIGHT
HHWS	HEX HEAD WOOD SCREW
HM	HOLLOW METAL
HO	HOLD-OPEN
HORIZ	HORIZONTAL
HP	HIGH POINT
HR	HOUR
HS	HIGH STRENGTH
HSB	HIGH STRENGTH BOLT
HTG	HEATING
HTR	HEATER
HVY	HEAVY
HVAC	HEATING, VENTILATION, AIR CONDITIONING
HW	HOT WATER
HYD	HYDRANT
ID	INSIDE DIAMETER
IF	INSIDE FACE
ILLUM	ILLUMINATION
INCAND	INCANDESCENT
INL	INLET
INSTL	INSTALLATION
INSUL	INSULATION
INT	INTERIOR
INV	INVERT
INV EL	INVERT ELEVATION
IP	IRON PIPE
IPS	INSIDE PIPE SIZE
IPS	INTERNATIONAL PIPE STANDARD
ISO	ISOMETRIC
IWH	INSTANTANEOUS WATER HEATER
JAN	JANITOR
JB	JUNCTION BOX
JST	JOIST
JT	JOINT
KD	KILN DRIED
KD	KNOCK DOWN
KO	KNOCKOUT
KPL	KICKPLATE
L	LEFT
LAD	LADDER
LAM	LAMINATED
LAT	LATERAL
LAV	LAVATORY
LB	LAG BOLT
LB	POUND
LDG	LANDING
LDR	LEADER
LF	LINEAR FOOT
LG	LONG
LH	LEFT HAND
LHR	LEFT HAND REVERSE
LIN	LINEAR
LKR	LOCKER
LL	LIVE LOAD
LLH	LONG LEG HORIZONTAL
LLV	LONG LEG VERTICAL
LOC	LOCATION
LONG	LONGITUDINAL
LP	LOW POINT
LP	LOW PRESSURE
LS	LUMP SUM
LT	LIGHT
LT WT	LIGHTWEIGHT
LTG	LIGHTING
LTG PNL	LIGHTING PANEL
LUB	LUBRICATE
LV	LOW VOLTAGE
LVL	LEVEL
LVR	LOUVER
LVR	LEVER
LWC	LIGHTWEIGHT CONCRETE
M	MIRROR
MACH RM	MACHINE ROOM
MAINT	MAINTENANCE
MAN	MANUAL
MARB	MARBLE
MAS	MASONRY
MATL	MATERIAL
MAU	MAKE-UP AIR UNIT
MAX	MAXIMUM
MB	MACHINE BOLT
MB	MIXING BOX
MBF	THOUSAND BOARD FEET
MBD	MARKER BOARD
MC	MOMENT CONNECTION
MC	MEDICINE CABINET
MDF	MEDIUM DENSITY FIBERBOARD
MDO	MEDIUM DENSITY OVERLAID
MECH	MECHANICAL
MED	MEDIUM
MEMB	MEMBRANE
MET	METAL
MEZZ	MEZZANINE
MFGR	MANUFACTURER
MH	MANHOLE
MI	MILE
MIR	MIRROR
MGL	MIRROR GLASS
MLDG	MOLDING
MLWK	MILLWORK
MO	MASONRY OPENING
MOD	MODULE
MON	MONUMENT
MPH	MILES PER HOUR
MR	MOP RACK
MS	MIRROR WITH SHELF
MTD	MOUNTED
MTG	MEETING
MTG	MOUNTING
MTR	METER
MTR	MORTAR
MULL	MULLION
MULT	MULTIPLE
#	NUMBER
N	NORTH
NA	NOT APPLICABLE
NAT	NATURAL
NCP	NON-REINFORCED CONCRETE PIPE
NEG	NEGATIVE
NIC	NOT IN CONTRACT
NO	NUMBER
NOM	NOMINAL
NPS	NOMINAL PIPE SIZE
NRC	NOISE REDUCTION COEFFICIENT
NST	NATURAL STONE TILE
NTS	NOT TO SCALE
O/O	OUT TO OUT
OA	OUTSIDE AIR
OA	OVERALL
OBS	OBSCURE
OC	ON CENTER
OD	OUTSIDE DIAMETER
OD	OUTSIDE DIMENSION
OFCI	OWNER FURNISHED CONTRACTOR INSTALLED
OFOI	OWNER FURNISHED OWNER INSTALLED
OH	OPPOSITE HAND
OHD	OVERHEAD
OHWS	OVAL HEAD WOOD SCREW
OPNG	OPENING
OPP	OPPOSITE
OPT	OPTIONAL
ORD	OVERFLOW ROOF DRAIN
ORIG	ORIGINAL
OVFL	OVERFLOW
OZ	OUNCE
d	PENNY
PAR	PARALLEL
PB	PANIC BAR
PBD	PARTICLEBOARD
PC	PIECE
PC	POINT OF CURVE
PC	PORTLAND CEMENT
PCF	POUNDS PER CUBIC FOOT
PD	PLANTER DRAIN
PERF	PERFORATED
PERIM	PERIMETER
PERM	PERMANENT
PERP	PERPENDICULAR
PF	PAINT FINISH
PFX	PAINT FINISH - EXTERIOR
PGL	PLASTIC GLAZING
PH	PHASE
PHOTO	PHOTOGRAPH
PHS	PHILLIP HEAD SCREW
PI	POINT OF INTERSECTION
PIV	POST INDICATOR VALVE
PKG	PACKAGE
PL	PLATE
PL	PROPERTY LINE
PLAM	PLASTIC LAMINATE
PLAS	PLASTER
PLAT	PLATFORM
PLBG	PLUMBING
PLF	POUNDS PER LINEAR FOOT
PLYWD	PLYWOOD
PNL	PANEL
PNT	PAINT
POL	POLISHED
PORT	PORTABLE
POS	POSITIVE
PR	PAIR
PRCST	PRECAST
PREFAB	PREFABRICATED
PREFIN	PREFINISHED
PRELIM	PRELIMINARY
PREP	PREPARATION
PRKG	PARKING
PROJ	PROJECT
PROP	PROPERTY
PS	PROJECTION SCREEN
PSF	POUNDS PER SQUARE FOOT
PSI	POUNDS PER SQUARE INCH
PTD	PAPER TOWEL DISPENSER
PTN	PARTITION
PTR	PAPER TOWEL RECEPTACLE
PTS	PNUEMATIC TUBE STATION
PVC	POLYVINYL CHLORIDE
PVG	PAVING
PVMT	PAVEMENT
PWR	POWER
QT	QUARRY TILE
QTR	QUARTER
QTY	QUANTITY
QUAL	QUALITY
RA	RETURN AIR
RA GR	RETURN AIR GRILLE
RAD	RADIUS
RB	RUBBER BASE
RBR	RUBBER
RC	REINFORCED CONCRETE
RCP	PREINFORCED CONCRETE PIPE
RD	ROAD
RD	ROOF DRAIN
REC	RECESSED
RECD	RECEIVED
RECIRC	RECIRCULATE
RECPT	RECEPTACLE
RECPT	RECEPTIONIST
RECT	RECTANGULAR
REF	REFERENCE
REFL	REFLECTOR
REFR	REFRIGERATOR
REG	REGISTER
REINF	REINFORCED/REINFORCING
REM	REMOVABLE
RE	RIM ELEVATION
REQD	REQUIRED
RESIL	RESILIENT
RET	RETURN
RFG	ROOFING
RH	RELATIVE HUMIDITY
RH	RIGHT HAND
RHMS	ROUND HEAD MACHINE SCREW
RHR	RIGHT HAND REVERSE
RHWS	ROUND HEAD WOOD SCREW
RLG	RAILING
RM	ROOM
RND	ROUND
RO	ROUGH OPENING
ROW	RIGHT OF WAY
RPW	RIGID PROTECTIVE WALLCOVERING
RS	ROOM SIGN
RSF	RESILIENT SHEET FLOORING
RTF	RESILIENT TILE FLOOR
RWC	RAIN WATER CONDUCTOR
RWF	RESILIENT WOOD FLOOR
RWL	RAIN WATER LEADER
S	SOUTH
S	SHELF
SA	SUPPLY AIR
SAG	SUPPLY AIR GRILLE
SALV	SALVAGE
SAN	SANITARY
SAT	SATURATION
SB	SPLASH BLOCK
SC	SHOWER CURTAIN
SC	SOLID CORE
SCD	SEAT COVER DISPENSER
SCHED	SCHEDULE
SD	SOAP DISPENSER
SD	STORM DRAIN
SD	SUPPLY DIFFUSER
SDS	SITE DIRECTIONAL SIGN
SEC	SECOND
SECT	SECTION
SGL	SINGLE
SHT	SHEET/SHEETING
SHTHG	SHEATHING
SHV	SHELVES/SHELVING
SHT	SHEET
SHTHG	SHEATHING
SIM	SIMILAR
SLV	SLEEVE
SM	SHEET METAL
SMS	SHEET METAL SCREW
SNK	SINK
SP	SPACING
SPCL	SPECIAL
SPEC	SPECIFICATION
SPD	SANITARY PRODUCTS DISPENSER
SFRM	SPRAYED FIRE RESISTIVE MATERIAL
SPKLR	SPRINKLER
SPKR	SPEAKER
SPLY	SUPPLY
SPW	SANITARY PRODUCTS WASTE RECEPTACLE
SQ	SQUARE
SQ FT	SQUARE FOOT
SQ IN	SQUARE INCH
SQ YD	SQUARE YARD
SS	SANITARY SEWER
SR	SHOWER ROD
SSNK	SERVICE SINK
SSTL	STAINLESS STEEL
ST	STREET
ST	STAIN FINISH
STA	STATION
STAG	STAGGERED
STC	SOUND TRANSMISSION CLASS
STD	STANDARD
STIF	STIFFENER
STIR	STIRRUP
STL	STEEL
STOR	STORAGE
STRUCT	STRUCTURAL
STX	STAIN FINISH - EXTERIOR
SUH	SUSPENDED UNIT HEATER
SUSP	SUSPENDED
SV	STONE VENEER
SWHR	SHOWER
SWR	SEWER
SYM	SYMBOL
SYM	SYMMETRICAL
SYNTH	SYNTHETIC
SYS	SYSTEM
T	TEE
T	THERMOSTAT
T	TREAD
T&B	TOP AND BOTTOM
T&G	TONGUE AND GROOVE
TAN	TANGENT
TB	TOWEL BAR
TBD	TACKBOARD
TBD	TO BE DETERMINED
TBT	THIN BRICK TILE
TC	TOP OF CONCRETE
TC	TOP OF CURB
TD	TOWEL DISPENSER
TD	TRENCH DRAIN
TDR	TOWEL DISPENSER WASTE RECEPTACLE
TE	TOP ELEVATION
TECH	TECHNICAL
TEL	TELEPHONE
TEMP	TEMPERED
TEMP	TEMPERATURE
TEMP	TEMPORARY
TER	TERRAZZO
TERM	TERMINAL
THK	THICKNESS
THRESH	THRESHOLD
THRU	THROUGH
TOB	TOP OF BEAM
TOC	TOP OF CURB
TOF	TOP OF FOOTING
TOL	TOLERANCE
TOM	TOP OF MASONRY
TOP	TOP OF PAVING
TOP	TOP OF PARAPET
TOS	TOP OF SHEATHING
TOS	TOP OF STEEL
TOT	TOTAL
TOW	TOP OF WALL
TPH	TOILET PAPER HOLDER
TPL	TOP OF PLATE
TRANS	TRANSPARENT
TRMS	TAMPER RESISTANT METAL SCREW
TRWS	TAMPER RESISTANT WOOD SCREW
TS	TUBE STEEL
TV	TELEVISION
TYP	TYPICAL
UC	UNDERCUT
UNFIN	UNFINISHED
UNGND	UNDERGROUND
UNIF	UNIFORM
UNO	UNLESS NOTED OTHERWISE
UR	URINAL
UTIL	UTILITY
UV	ULTRAVIOLET
VAC	VACUUM
VAV	VARIABLE AIR VOLUME
VB	VALVE BOX
VB	VINYL BASE
VCT	VINYL COMPOSITION TILE
VCP	VITRIFIED CLAY PIPE
VCTBD	VINYL COVERED TACKBOARD
VENT	VENTILATOR
VERT	VERTICAL
VEST	VESTIBULE
VIB	VIBRATION
VIT	VITREOUS
VNR	VENEER
VOL	VOLUME
VS	VEHICULAR SIGN
VTR	VENT THROUGH ROOF
VWC	VINYL WALL COVERING
W	WEST
W/	WITH
W/O	WITHOUT
W/W	WALL TO WALL
WC	WATER CLOSET
WCO	WALL CLEANOUT
WD	WOOD
WDW	WINDOW
WF	WIDE FLANGE
WGL	WIRE GLASS
WH	WALL HYDRANT
WHTR	WATER HEATER
WI	WROUGHT IRON
WIC	WOODWORK INSTITUTE OF CALIFORNIA
WID	WIDTH
WL	WATER LINE
WL	WIND LOAD
WP	WORKING POINT
WP	WATERPROOF
WR	WATER RESISTANT
WR	WASTE RECEPTACLE
WSCT	WAINSCOT
WSP	WET STAND PIPE
WT	WEIGHT
WTR	WATER
WTRPRF	WATERPROOFING
WWF	WELDED WIRE FABRIC
XFMR	TRANSFORMER
YB	YARD BOX
YD	YARD
ZA	ZINC ALLOY

SYMBOLS

NORTH ARROW

ITEM / ELEVATION — FINISH FLOOR LEVEL

A / 1 — STRUCTURAL GRID LINES

DTL # / SHT # — DETAIL REFERENCE TAG
DETAIL NUMBER
SHEET NUMBER

DTL # / SHT # — BUILDING SECTION TAG
DETAIL NUMBER
SHEET NUMBER

DTL# / SHT# — BUILDING ELEVATION TAG
DETAIL NUMBER
SHEET NUMBER

NAME / NO. — ROOM NAME TAG
ROOM NUMBER

D / C SHT # A / B — INTERIOR ELEVATION TAG
DETAIL NUMBER
SHEET NUMBER

X — WALLTYPE TAG

X — WINDOW NUMBER TAG
(SEE WINDOW SCHEDULE)

X — DOOR NUMBER TAG
(SEE DOOR / FRAME SCHEDULE)

X — CONSTRUCTION/ DEMOLITION KEYNOTE
(SEE LEGEND EACH SHEET)

AGENCY REVIEW

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP. 03-120009 INC. 02
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 12/12/2019

LITTLE™
DIVERSIFIED ARCHITECTURAL CONSULTING
1300 Dove Street, Suite 100
Newport Beach, CA. 92660
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CLIENT NAME
OXNARD UNION HIGH SCHOOL DISTRICT

PROJECT NAME
PACIFICA HIGH SCHOOL TRACK & FIELD IMPROVEMENTS - INC. 2
600 E. GONZALES RD, OXNARD, CA. 93036

CONSULTANT

SEAL
LICENSED ARCHITECT — KAT R. TITTL — No. C-31891 — REN. 11-30-21 — STATE OF CALIFORNIA

ISSUE FOR
DSA SUBMITTAL

ISSUE DATE
12/02/19

REVISIONS

NO.	REASON	DATE

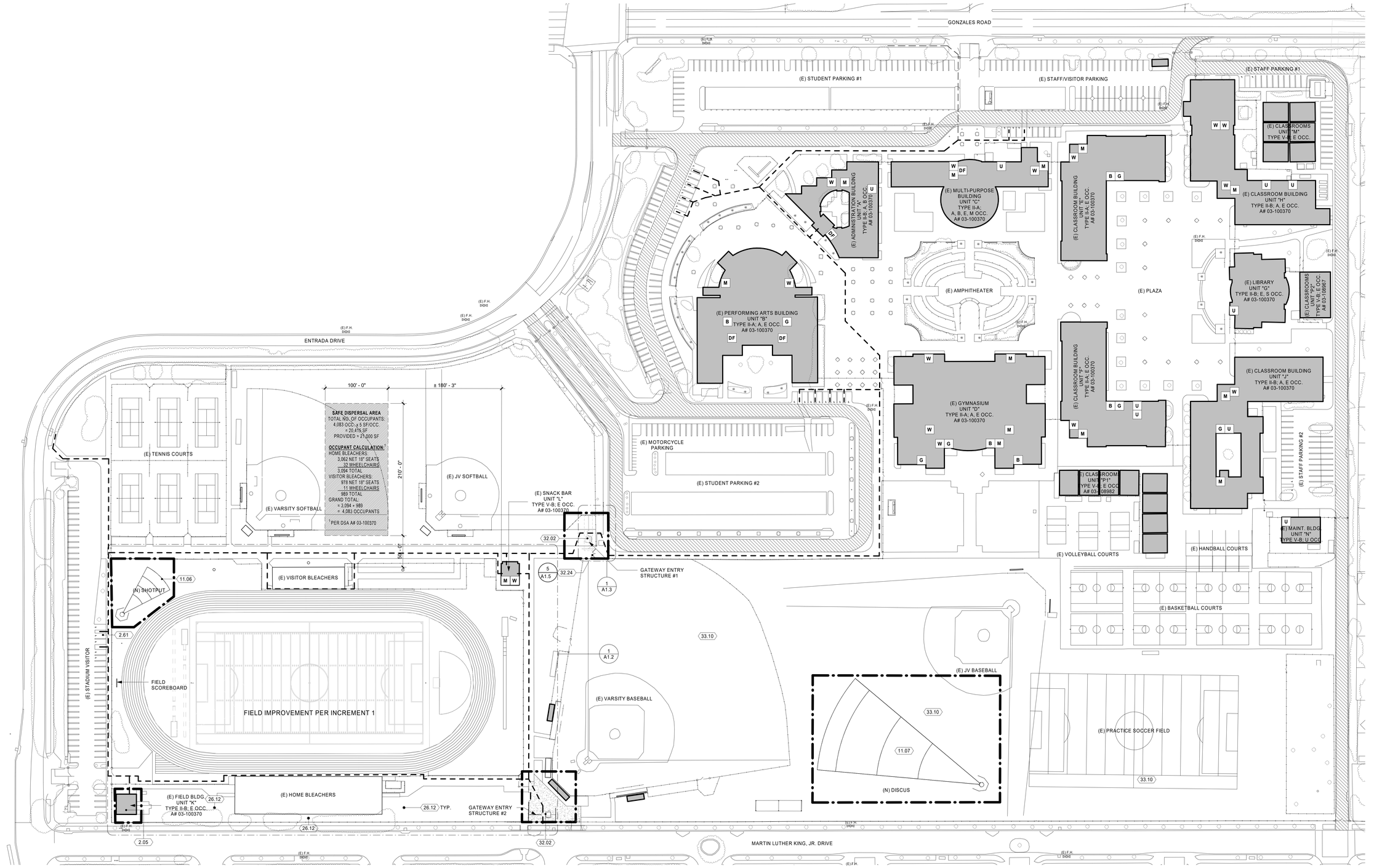
PROJECT TEAM
PRINCIPAL IN CHARGE
JT
PROJECT MANAGER
LEB
DESIGN TEAM
FM/ RG/ JR/ CL/ TA

PROJECT NAME
PACIFICA HIGH SCHOOL TRACK & FIELD IMPROVEMENTS - INC. 2

PROJECT NO.
612-123-5303

SHEET TITLE
SYMBOLS / ABBREVIATIONS

SHEET NUMBER
A0.2



OVERALL SITE PLAN
1" = 60'-0"
1 / A1.1

DSA CERTIFICATIONS

DSA A#	STATUS
03-100370	CERTIFICATION AND CLOSE OF FILE, LETTER TYPE #1, 11/28/2006
03-108982	CERTIFICATION AND CLOSE OF FILE, LETTER TYPE #1, 12/24/2008
03-109867	CERTIFICATION AND CLOSE OF FILE, LETTER TYPE #1, 06/08/2015
03-110855	CERTIFICATION AND CLOSE OF FILE, LETTER TYPE #1, 10/15/2008
03-113009	CERTIFICATION AND CLOSE OF FILE, LETTER TYPE #1, 11/18/2013
03-113797	CERTIFICATION AND CLOSE OF FILE, LETTER TYPE #1, 12/20/2012

PARKING ANALYSIS

PARKING AREA	STALL TYPE			TOTAL
	STANDARD	ACCESSIBLE		
		STD.	VAN	
STADIUM VISITOR	75	3	1	79
STUDENT #1	93	3	1	97
STUDENT #2	163	7	1	171
STAFF/ VISITOR	204	6	1	211
STAFF #1	19	1	1	21
STAFF #2	32	2	0	34
TOTAL	581	22	5	613
MOTORCYCLE				11
BICYCLE				54

STATEMENT BY DESIGN PROFESSIONAL IN GENERAL RESPONSIBLE CHARGE

"THE P.O.T. IDENTIFIED IN THESE CONSTRUCTION DOCUMENTS IS COMPLIANT WITH THE CURRENT APPLICABLE CALIFORNIA BUILDING CODE ACCESSIBILITY PROVISIONS FOR PATH OF TRAVEL REQUIREMENTS FOR ALTERATIONS, ADDITIONS AND STRUCTURAL REPAIRS, AS PART OF THE DESIGN OF THIS PROJECT. THE P.O.T. WAS EXAMINED AND ANY ELEMENTS, COMPONENTS OR PORTIONS OF THE P.O.T THAT WERE DETERMINED TO BE NONCOMPLIANT 1) HAVE BEEN IDENTIFIED AND 2) THE CORRECTIVE WORK NECESSARY TO BRING THEM INTO COMPLIANCE HAS BEEN INCLUDED WITHIN THE SCOPE OF THIS PROJECT'S WORK THROUGH DETAILS, DRAWINGS AND SPECIFICATIONS INCORPORATED INTO THESE CONSTRUCTION DOCUMENTS. ANY NONCOMPLIANT ELEMENTS, COMPONENTS OR PORTIONS OF THE P.O.T. THAT WILL NOT BE CORRECTED BY THIS PROJECT BASED ON VALUATION THRESHOLD LIMITATIONS OR A FINDING OF UNREASONABLE HARDSHIP ARE SO INDICATED IN THESE CONSTRUCTION DOCUMENTS. DURING CONSTRUCTION, IF P.O.T. ITEMS WITHIN THE SCOPE OF THE PROJECT REPRESENTED AS CODE COMPLIANT ARE FOUND TO BE NONCONFORMING BEYOND REASONABLE CONSTRUCTION TOLERANCES, THEY SHALL BE BROUGHT INTO COMPLIANCE WITH THE 2016 CBC AS A PART OF THIS PROJECT BY MEANS OF A CONSTRUCTION CHANGE DOCUMENT."

NOTES

1. CONTRACTOR TO VERIFY PATH OF TRAVEL REQUIREMENTS ARE MET FOR P.O.T. FROM ACCESSIBLE PARKING AND PUBLIC WAY TO RESTROOMS, DRINKING FOUNTAINS, SCHOOL ADMINISTRATION BUILDING, ACCESSIBLE SEATING AND INSIDE TRACK AS INDICATED. ANY DEVIATION FROM P.O.T. DEFINITION LISTED BELOW SHALL BE BROUGHT INTO COMPLIANCE BY THE ARCHITECT PREPARING A CCD AND SUBMITTING IT TO DSA FOR APPROVAL.
2. P.O.T. AS INDICATED IS A BARRIER-FREE ACCESS WITHOUT ANY ABRUPT VERTICAL CHANGES EXCEEDING 1/2" BEVELED AT 1:2 MAXIMUM SLOPE, EXCEPT THAT LEVEL CHANGES DO NOT EXCEED 1/4" VERTICAL AND IS AT LEAST 48" WIDE. SURFACE IS SLIP-RESISTANT, STABLE, FIRM, AND SMOOTH. CROSS-SLOPE DOES NOT EXCEED 2% AND SLOPE IN THE DIRECTION OF TRAVEL IS LESS THAN 5%, UNLESS OTHERWISE INDICATED. P.O.T. SHALL BE MAINTAINED FREE OF OVERHANGING OBSTRUCTIONS TO 80" MINIMUM (CBC 11B-307.4) AND PROTRUDING OBJECTS GREATER THAN 4" PROJECTION FROM THE WALL AND ABOVE 27" AND LESS THAN 80" (CBC 11B-307). CONTRACTOR TO VERIFY THAT ALL BARRIERS IN THE PATH OF TRAVEL HAVE BEEN REMOVED OR WILL BE REMOVED UNDER THIS PROJECT, AND P.O.T. COMPLIES WITH CHAPTER 11 DIVISION 4 OF THE 2016 CBC.
3. ALL NEW PAVING AND SURFACING TO BE FLUSH TO EXISTING PAVING EDGE.
4. FOR GRADE ELEVATIONS, SEE CIVIL DRAWINGS.
5. FOR DEMOLITION WORK, SEE CIVIL DRAWINGS.
6. DIMENSIONS ARE TO BE FIELD VERIFIED.
7. ALL EXISTING ELEMENTS TO REMAIN SHALL BE PROTECTED IN PLACE, TYP.

LEGEND

- (E) BUILDING TO REMAIN
- EXTENT OF SCOPE OF WORK
- ACCESSIBLE PATH OF TRAVEL 4'-0" WIDE MIN. CONCRETE OR A.C. PAVED. SEE CIVIL DRAWINGS FOR ADDITIONAL INFORMATION ON MATERIAL, SLOPES AND ELEVATIONS.
- U — UNISEX RESTROOM
- W — WOMEN'S RESTROOM
- M — MEN'S RESTROOM
- G — GIRLS' RESTROOM
- B — BOYS' RESTROOM
- DF — DRINKING FOUNTAIN

KEYNOTES

2.05	(E) FIELD BUILDING TEAM ROOM TO BE MODERNIZED.
2.61	(E) ACCESSIBLE PARKING UPDATED PER DSA A# 03-120009 INC 1.
11.06	NEW SHOTPUT FACILITY, SEE DETAILS 1 THRU 4/A1.5 - 11 68 33.43
11.07	NEW DISCUS THROW FACILITY - 11 68 33.43
26.12	NEW STADIUM LIGHTING FIXTURES - 26 56 00
32.02	GATEWAY STRUCTURE WITH TICKET BOOTH
32.24	CHAIN LINK GATES - 32 31 13. SEE DETAIL 5/A1.5
33.10	IMPROVE/UPGRADE (E) PLAYFIELD/SITE DRAINAGE AND IRRIGATION. SEE CIVIL DRAWINGS.

AGENCY REVIEW

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP. 03-120009 INC. 02
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 12/12/2019

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CLIENT NAME
OXNARD UNION HIGH SCHOOL DISTRICT

PROJECT NAME
PACIFICA HIGH SCHOOL TRACK & FIELD IMPROVEMENTS - INC. 2
600 E. GONZALES RD, OXNARD, CA. 93036

CONSULTANT

SEAL
LICENSED ARCHITECT
JAFAR R. TIRMAZ
No. C-33605
EXP. 11-30-21
STATE OF CALIFORNIA

ISSUE FOR
DSA SUBMITTAL

ISSUE DATE
12/02/19

REVISIONS

NO.	REASON	DATE

PROJECT TEAM
PRINCIPAL IN CHARGE
JT
PROJECT MANAGER
LEB
DESIGN TEAM
FM/ RG/ JR/ CL/ TA

PROJECT NAME
PACIFICA HIGH SCHOOL TRACK & FIELD IMPROVEMENTS - INC. 2

PROJECT NO.
612-123-5303

SHEET TITLE
OVERALL SITE PLAN

SHEET NUMBER
A1.1

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INCREMENT 1 (FOR REFERENCE ONLY):

WORK UNDER THIS CONTRACT INCLUDES THE FOLLOWING ITEMS SHOWN ON THE DRAWINGS AND AS SPECIFIED IN THE PROJECT MANUAL, INCLUDING:

1-1 DEMOLITION OF CERTAIN EXISTING FIELD COMPONENTS.
1-2 INSTALLATION OF NEW SYNTHETIC TURF FIELD.
1-3 INSTALLATION OF NEW HIGH JUMP FACILITY.
1-4 INSTALLATION OF TWO (2) NEW LONG JUMP RUNWAYS.
1-5 INSTALLATION OF NEW FIELD SCOREBOARD PER PC# 04-116017.
1-6 MINOR UPGRADE TO RESTROOMS IN EXISTING BUILDING 'L';
1-7 UPGRADE OF EXISTING ADA PARKING STALLS AT PARKING LOT SERVING TRACK AND FIELD AREA; AND
1-8 REMOVAL OF EXISTING RELOCATABLE BUILDING 'O'.

INCREMENT 2:

WORK UNDER THIS CONTRACT SHALL INCLUDE THE FOLLOWING ITEMS:

2-1 CONSTRUCTION OF TWO (2) GATEWAY STRUCTURES WITH TICKET BOOTHS (1 @ 69 SF; 1 @ 50 SF).
2-2 UPGRADE OF EXISTING STADIUM LIGHTING, TOTAL OF 6
2-3 INSTALLATION OF NEW DISCUS AND SHOTPUT FACILITIES.
2-4 MODERNIZATION OF EXISTING FIELD BUILDING TEAM ROOM.
2-5 REPAIR OF EXISTING BASEBALL FIELD DRAINAGE AND UPGRADE OF EXISTING UNDERGROUND UTILITY LINES AS NEEDED; AND
2-6 CONSTRUCTION OF NEW CHAINLINK VEHICLE GATE ADJACENT TO GATEWAY STRUCTURE ENTRY #1.

GONZALES ROAD
ENTRADA DRIVE
MARTIN LUTHER KING, JR. DRIVE
(E) STUDENT PARKING
(E) STAFF/VISITOR PARKING
(E) STAFF PARKING
(E) ADMINISTRATION BUILDING UNIT "A" TYPE II-B; A, B O.C. A# 03-100370
(E) MULTI-PURPOSE BUILDING UNIT "C" TYPE II-A; A, B, E, M OCC. A# 03-100370
(E) CLASSROOM BUILDING UNIT "E" TYPE II-A; E OCC. A# 03-100370
(E) CLASSROOMS UNIT "M" TYPE V-B; E OCC.
(E) CLASSROOM BUILDING UNIT "H" TYPE II-B; A, E OCC. A# 03-100370
(E) PERFORMING ARTS BUILDING UNIT "B" TYPE II-A; A, E OCC. A# 03-100370
(E) AMPHITHEATER
(E) PLAZA
(E) LIBRARY UNIT "G" TYPE II-B; E, S OCC. A# 03-100370
(E) CLASSROOMS UNIT "P2" TYPE V-B; E OCC. A# 03-108967
(E) GYMNASIUM UNIT "D" TYPE II-A; A, E OCC. A# 03-100370
(E) CLASSROOM BUILDING UNIT "F" TYPE II-A; E OCC. A# 03-100370
(E) CLASSROOM BUILDING UNIT "J" TYPE II-B; A, E OCC. A# 03-100370
(E) CLASSROOM UNIT "P1" TYPE V-B; E OCC. A# 03-108982
(E) MAINT. BLDG. UNIT "N" TYPE V-B; U OCC.
(E) VOLLEYBALL COURTS
(E) HANDBALL COURTS
(E) BASKETBALL COURTS
(E) PRACTICE SOCCER FIELD
(E) TENNIS COURTS
(E) JV SOFTBALL
(E) SNACK BAR UNIT "L" TYPE V-B; E OCC. A# 03-100370
(E) VARSITY SOFTBALL
(E) VISITOR BLEACHERS
(E) VARSITY BASEBALL
(E) JV BASEBALL
(E) TOILETS UNIT "O"
(E) FIELD BLDG. UNIT "K" TYPE V-B; U OCC. A# 03-100370
(E) HOME BLEACHERS

ITEM 2-3: INSTALLATION OF NEW SHOT-PUT FACILITY.
ITEM 1-7: UPGRADE OF EXISTING ADA PARKING STALLS AT PARKING LOT SERVING TRACK AND FIELD AREA
ITEM 1-5: INSTALLATION OF NEW FIELD SCOREBOARD PER PC# 04-116017.
ITEMS 1-1 & 1-2: DEMOLITION OF CERTAIN EXISTING FIELD COMPONENTS & INSTALLATION OF NEW SYNTHETIC TURF FIELD.
ITEM 1-4: INSTALLATION OF TWO (2) NEW LONG JUMP RUNWAYS.
ITEM 1-3: INSTALLATION OF NEW HIGH JUMP FACILITY.
ITEM 2-1: NEW GATEWAY STRUCTURE WITH TICKET BOOTH (#1)
ITEM 1-6: MINOR UPGRADE TO RESTROOMS IN EXISTING BUILDING 'L' & NEW DF.
ITEM 2-6: CONSTRUCTION OF NEW CHAINLINK VEHICLE GATE ADJACENT TO GATEWAY STRUCTURE ENTRY #1.
ITEM 2-5: REPAIR OF EXISTING BASEBALL FIELD DRAINAGE AND UPGRADE OF EXISTING UNDERGROUND UTILITY LINES AS NEEDED.
ITEM 2-3: INSTALLATION OF NEW DISCUS FACILITY.
ITEM 1-8: REMOVAL OF EXISTING RELOCATABLE BUILDING 'O'.
ITEM 2-4: MODERNIZATION OF EXISTING FIELD BUILDING TEAM ROOMS.
ITEM 2-2: UPGRADE OF EXISTING STADIUM LIGHTING, TOTAL OF 6
ITEM 2-1: NEW GATEWAY STRUCTURE WITH TICKET BOOTH (#2)

SITE KEY PLAN 1 (A1.1A)
1" = 60'-0"

LEGEND
- (E) BUILDING TO REMAIN
- INC 1 SCOPE
- INC 2 SCOPE

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AGENCY REVIEW

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OXNARD UNION HIGH SCHOOL DISTRICT

PROJECT NAME
PACIFICA HIGH SCHOOL TRACK & FIELD IMPROVEMENTS - INC 2
600 E. GONZALES RD, OXNARD, CA. 93036

CONSULTANT

SEAL
LICENSED ARCHITECT TAF R. TITTERTON NO. C-30215 EXP. 11-30-21 STATE OF CALIFORNIA

ISSUE FOR
DSA SUBMITTAL

ISSUE DATE
12/02/19

REVISIONS

NO.	REASON	DATE

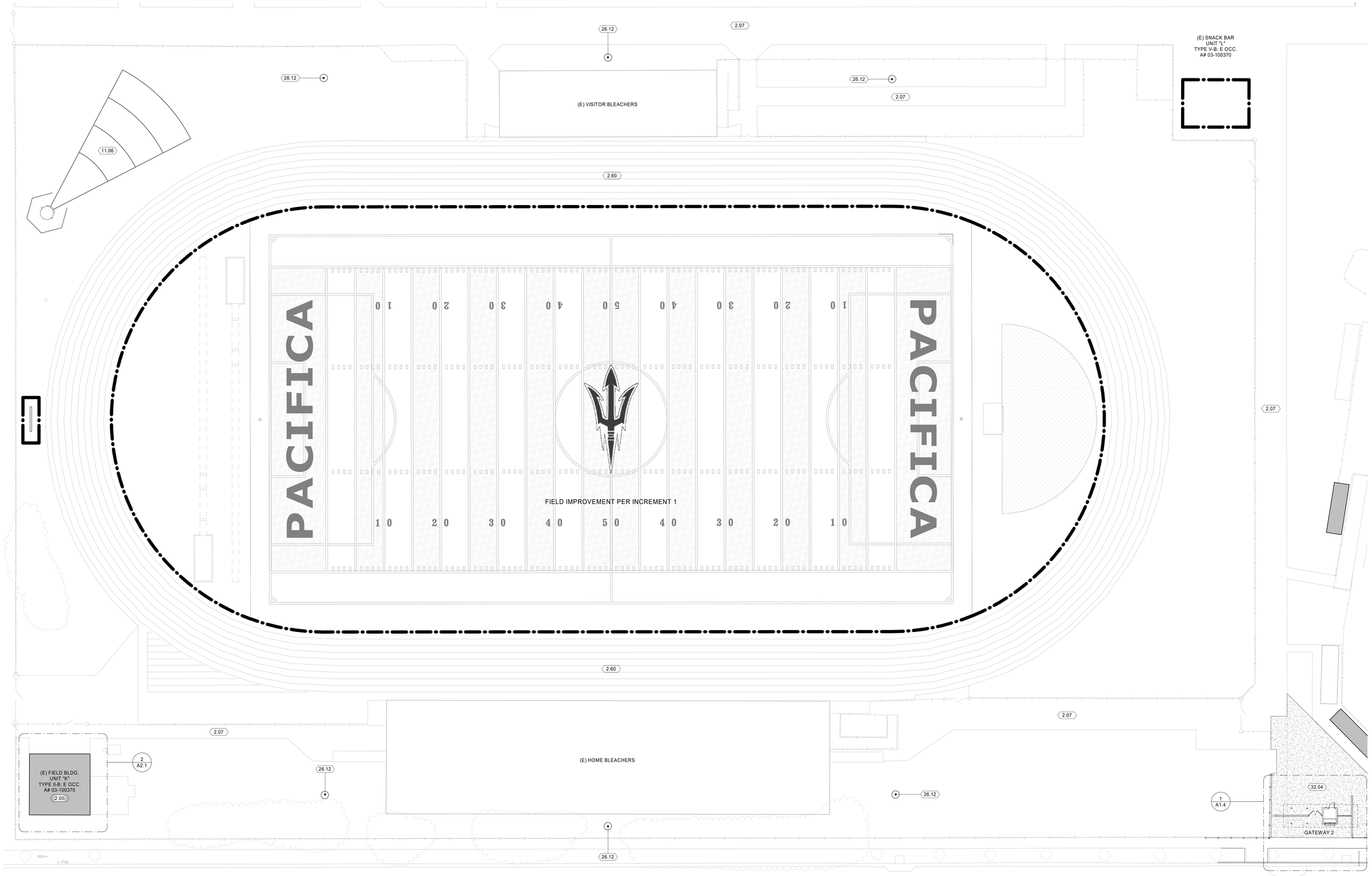
PROJECT TEAM
PRINCIPAL IN CHARGE
JT
PROJECT MANAGER
LEB
DESIGN TEAM
FM/ RG/ JR/ CL/ TA

PROJECT NAME
PACIFICA HIGH SCHOOL TRACK & FIELD IMPROVEMENTS - INC 2

PROJECT NO.
612-123-5303

SHEET TITLE
SITE KEY PLAN

SHEET NUMBER
A1.1A



ENLARGED SITE PLAN - TRACK AND FIELD

1" = 20'-0"

1 / A1.2

N

LEGEND

- (E) BUILDING TO REMAIN
- SYNTHETIC TURF - DARK GREEN
- SYNTHETIC TURF - LIGHT GREEN
- SYNTHETIC TRACK SURFACING - PACIFICA GRAY
- AREA OF INCREMENT 1 SCOPE OF WORK. N.I.C.

KEYNOTES

2.05	(E) FIELD BUILDING TEAM ROOM TO BE MODERNIZED.
2.07	(E) CONCRETE PAVEMENT TO REMAIN.
2.60	(E) TRACK OVAL TO REMAIN. PROTECT IN PLACE.
11.06	NEW SHOTPUT FACILITY, SEE DETAILS 1 THRU 4/A1.5 - 11 68 33.43
26.12	NEW STADIUM LIGHTING FIXTURES - 26 56 00
32.04	CONCRETE PAVING - 32 13 13

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PROJECT NAME

PACIFICA HIGH SCHOOL TRACK & FIELD IMPROVEMENTS - INC. 2

600 E. GONZALES RD, OXNARD, CA. 93036

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JAY R. TITTLE
No. C-18892
REN. 11-30-21
STATE OF CALIFORNIA

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PROJECT TEAM

PRINCIPAL IN CHARGE
JT

PROJECT MANAGER
LEB

DESIGN TEAM
FM/RG/JR/CL/TA

PROJECT NAME
PACIFICA HIGH SCHOOL
TRACK & FIELD
IMPROVEMENTS - INC. 2

PROJECT NO.
612-123-5303

SHEET TITLE
ENLARGED SITE PLAN

SHEET NUMBER
A1.2

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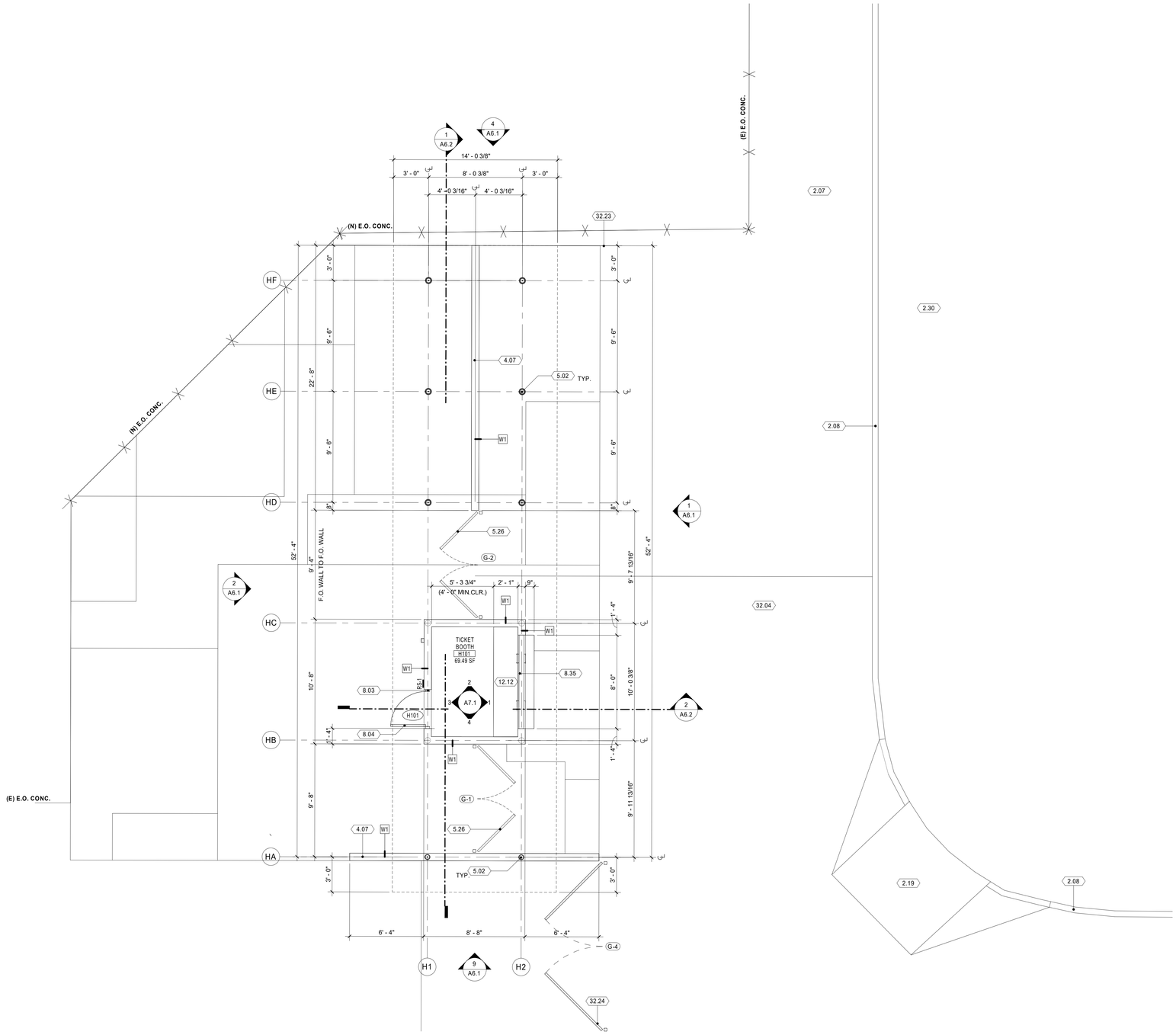

HOME GATEWAY - ENLARGED SITE PLAN 1
1/4" = 1'-0" A1.3

KEYNOTES

2.07	(E) CONCRETE PAVEMENT TO REMAIN.
2.08	(E) CONCRETE CURB TO REMAIN. PROTECT IN PLACE.
2.19	(E) CURB RAMP TO REMAIN. PROTECT IN PLACE.
2.30	(E) ASPHALT PAVING TO REMAIN. PROTECT IN PLACE.
4.07	CONCRETE MASONRY UNIT, 8" x 8" x 16," RUNNING BOND - 04 22 13
5.02	STEEL COLUMN PER STRUCTURAL - 05 12 00
5.26	FABRICATED STEEL GATE - 05 50 00. SEE DETAIL 1/A1.6
8.03	HOLLOW METAL DOOR FRAME - 08 11 00. SEE DETAILS 1 AND 2/A6.1
8.04	HOLLOW METAL DOOR - 08 11 00
8.35	ALUMINUM PASS THRU WINDOW WITH SPEAK THROUGH DEVICE- 08 56 19. SEE DETAIL 7/A9.2
12.12	STAINLESS STEEL COUNTERTOP - 12 36 00. SEE DETAIL 7/A9.2
32.04	CONCRETE PAVING - 32 13 13
32.23	CHAIN LINK FENCES - 32 31 13. SEE DETAIL 5/A1.5
32.24	CHAIN LINK GATES - 32 31 13. SEE DETAIL 5/A1.5

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600 E. GONZALES RD, OXNARD, CA. 93036

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LICENSED ARCHITECT JAY R. TITTLE NO. C-18746 REN. 11-30-21 STATE OF CALIFORNIA

ISSUE FOR
DSA SUBMITTAL

ISSUE DATE
12/02/19

REVISIONS

NO.	REASON	DATE

PROJECT TEAM
PRINCIPAL IN CHARGE
JT
PROJECT MANAGER
LEB
DESIGN TEAM
FM/ RG/ JR/ CL/ TA

PROJECT NAME
PACIFICA HIGH SCHOOL
TRACK & FIELD
IMPROVEMENTS - INC. 2

PROJECT NO.
612-123-5303

SHEET TITLE
ENLARGED SITE PLAN - HOME GATEWAY

SHEET NUMBER
A1.3

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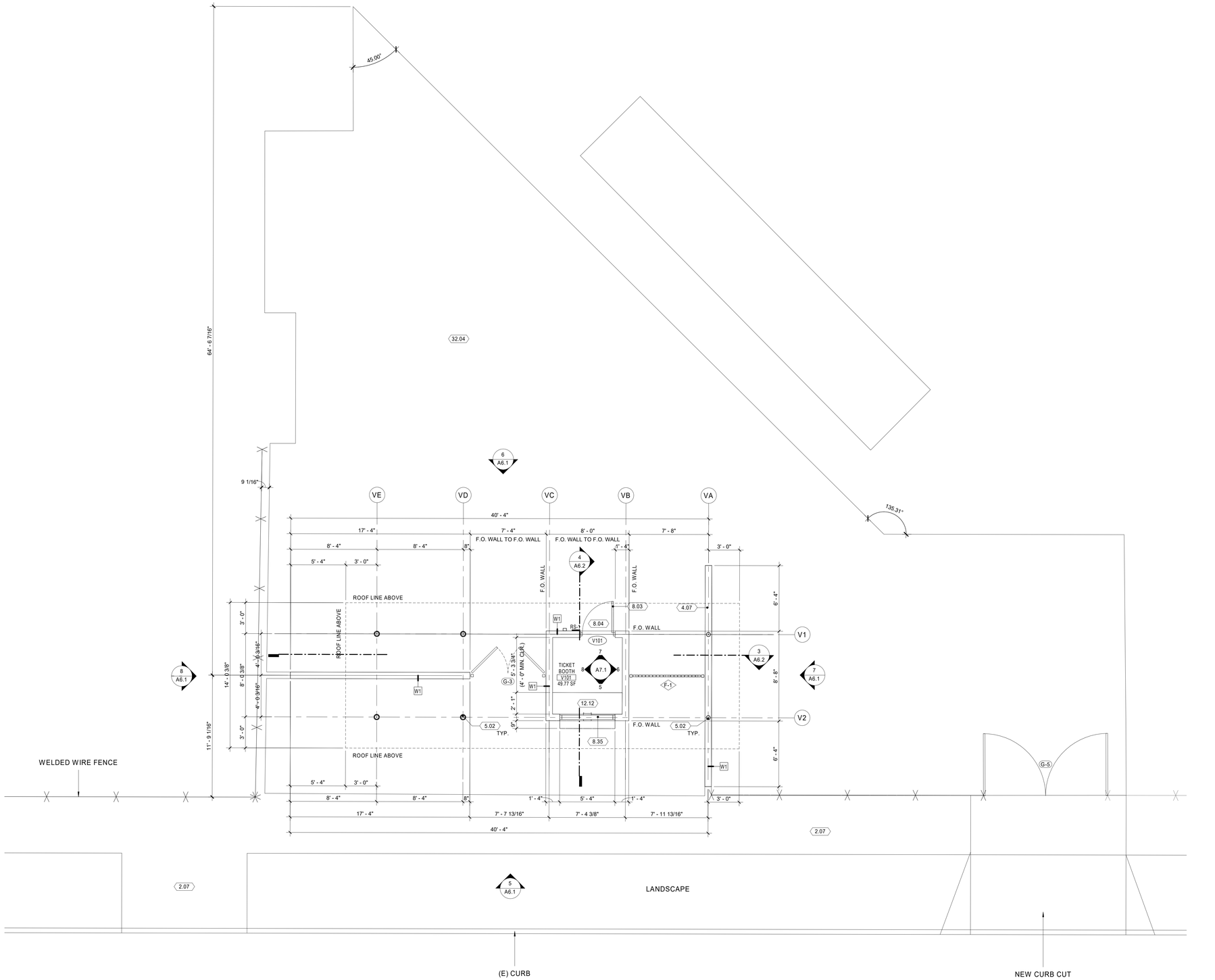

GATEWAY 2 - ENLARGED SITE PLAN 1 A1.4
1/4" = 1'-0"

KEYNOTES

2.07	(E) CONCRETE PAVEMENT TO REMAIN.
4.07	CONCRETE MASONRY UNIT, 8" x 8" x 16," RUNNING BOND - 04 22 13
5.02	STEEL COLUMN PER STRUCTURAL - 05 12 00
5.25	FABRICATED STEEL FENCE - 05 50 00. SEE DETAIL 2/A1.6
5.26	FABRICATED STEEL GATE - 05 50 00. SEE DETAIL 1/A1.6
8.03	HOLLOW METAL DOOR FRAME - 08 11 00. SEE DETAILS 1 AND 2/A6.1
8.04	HOLLOW METAL DOOR - 08 11 00
8.35	ALUMINUM PASS THRU WINDOW WITH SPEAK THROUGH DEVICE- 08 56 19. SEE DETAIL 7/A9.2
12.12	STAINLESS STEEL COUNTERTOP - 12 36 00. SEE DETAIL 7/A9.2
32.04	CONCRETE PAVING - 32 13 13

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OXNARD UNION HIGH SCHOOL DISTRICT

PROJECT NAME

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600 E. GONZALES RD, OXNARD, CA. 93036

CONSULTANT

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LICENSED ARCHITECT
JEFF R. TITTLE
No. C-30305
REN. 11-30-21
STATE OF CALIFORNIA

ISSUE FOR
DSA SUBMITTAL

ISSUE DATE
12/02/19

REVISIONS

NO.	REASON	DATE

PROJECT TEAM
PRINCIPAL IN CHARGE
Designer
PROJECT MANAGER
Checker
DESIGN TEAM
Author

PROJECT NAME
PACIFICA HIGH SCHOOL
TRACK & FIELD
IMPROVEMENTS - INC. 2

PROJECT NO.
612-123-5303

SHEET TITLE
ENLARGED SITE PLAN -GATEWAY 2

SHEET NUMBER
A1.4

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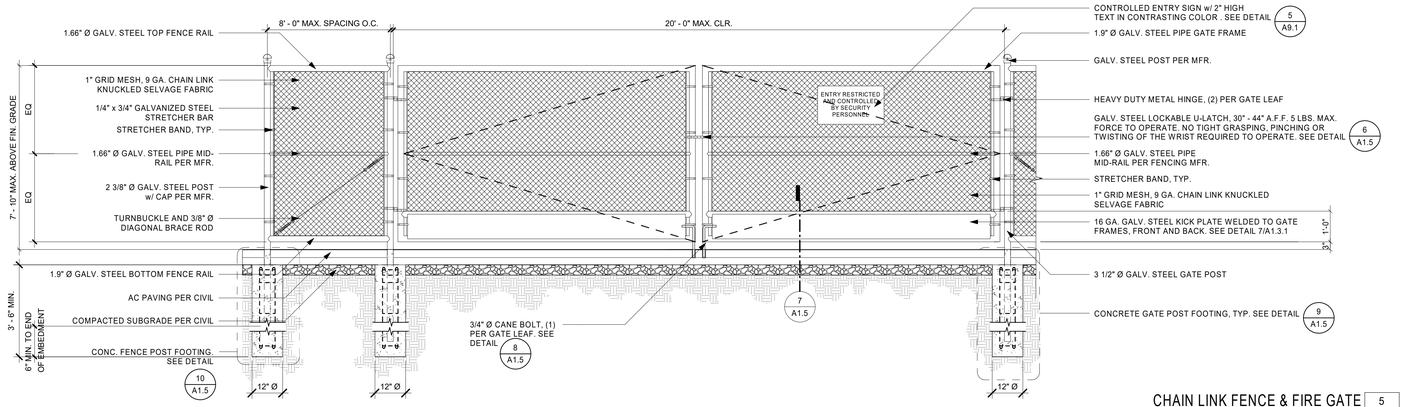
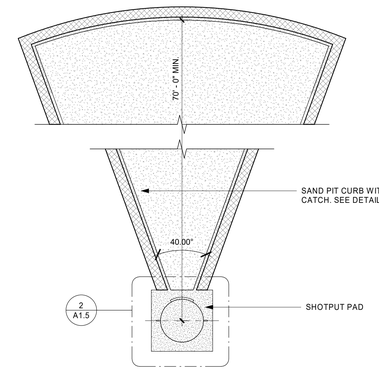
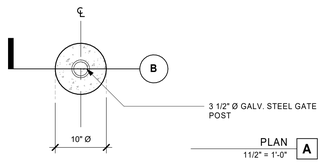


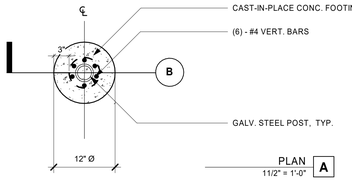
CHAIN LINK FENCE & FIRE GATE 5
1/2" = 1'-0" A1.5



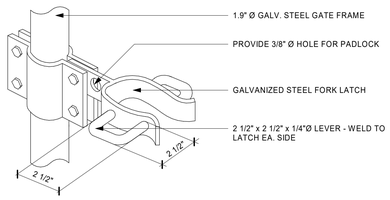
SHOT PUT THROWING SECTOR 1
1" = 10'-0" A1.5



PLAN A
11/2" = 1'-0"

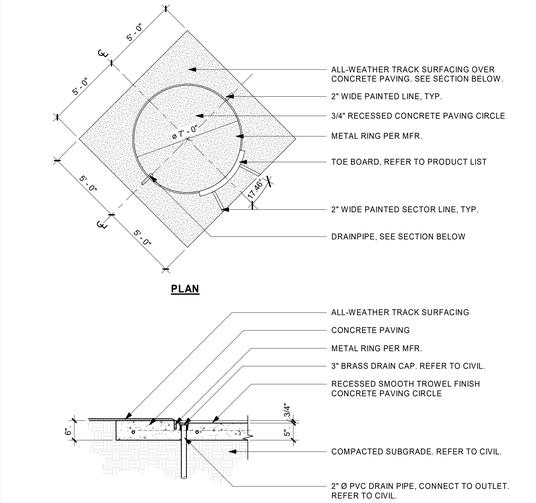


PLAN A
11/2" = 1'-0"



NOTE:
HOT-DIP GALVANIZE LATCH ASSEMBLY AFTER WELDING LEVERS TO LATCH

CHAINLINK GATE NON-GRASP LATCH 6
6" = 1'-0" A1.5



PLAN

SECTION

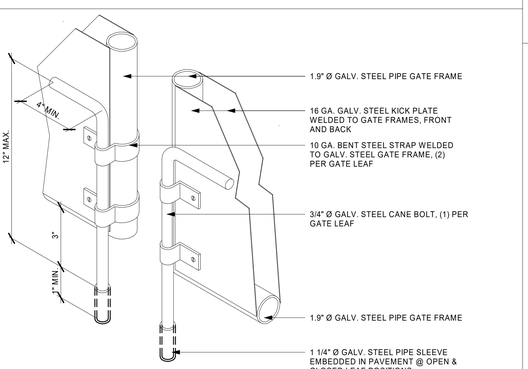
SHOT PUT PAD 2
1/4" = 1'-0" A1.5

SECTION B
11/2" = 1'-0"

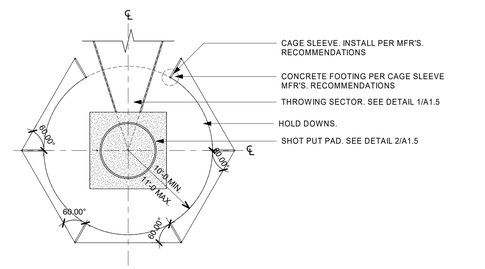
SECTION B
11/2" = 1'-0"

CHAIN LINK FENCE POST FOOTING (@ RUNS ONLY) 10
1" = 1'-0" A1.5

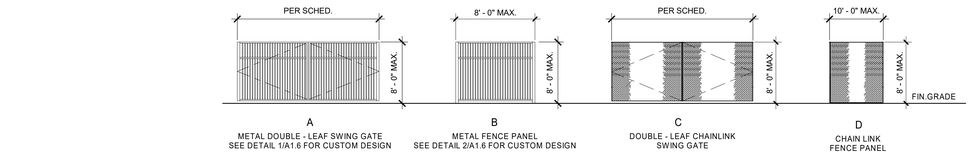
GATE/FENCE POST FOOTING 9
1" = 1'-0" A1.5



GATE - KICK PLATE @ CHAIN LINK GATE 7
3" = 1'-0" A1.5

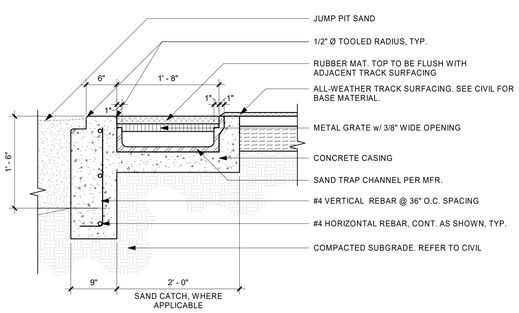


SHOTPUT THROWING CAGE 3
1/8" = 1'-0" A1.5



GATE AND FENCE TYPES 11
1/8" = 1'-0" A1.5

CHAIN LINK CANE BOLT ASSEMBLY 8
3" = 1'-0" A1.5



SAND PIT CURB AND SAND CATCHER 4
1" = 1'-0" A1.5

FENCE SCHEDULE

NO.	TYPE	PANEL WIDTH	HEIGHT ABOVE GRADE	MATERIAL / FINISH	DETAIL	REMARKS
F1	B	6' - 8"	8' - 0"	STEEL, POWDER COATED	2/A1.6	3, 4
F2	D	10' - 0"	8' - 0"	STEEL, GALVANIZED	5/A1.5	3, 4

GATE SCHEDULE

NO.	TYPE	OPENING WIDTH	HEIGHT ABOVE GRADE	MATERIAL / FINISH	DETAIL	REMARKS
G-1	A	8' - 8"	8' - 0"	STEEL, POWDER COATED	1/A1.6	3, 4
G-2	A	8' - 8"	8' - 0"	STEEL, POWDER COATED	1/A1.6	3, 4
G-3	A	6' - 8"	8' - 0"	STEEL, POWDER COATED	1/A1.6	3, 4
G-4	C	14' - 0"	8' - 0"	STEEL, GALVANIZED	5/A1.5	1, 2, 4
G-5	C	12' - 0"	8' - 0"	STEEL, GALVANIZED	5/A1.5	1, 2, 4

REMARKS:

1. FIELD VERIFY ALL DIMENSIONS PRIOR TO FABRICATION.
2. GATES SHALL MATCH ADJACENT FENCE CONSTRUCTION TYPE.
3. PROVIDE PANIC HARDWARE AS SHOWN ON REFERENCED DETAIL.
4. OPENING WIDTH IS MEASURED FROM F.O. GATE POST TO F.O. OPP. GATE POST.

GATE AND FENCE SCHEDULES 12
1/2" = 1'-0" A1.5

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www.littleonline.com

CLIENT NAME
OXNARD UNION HIGH SCHOOL DISTRICT

PROJECT NAME
PACIFICA HIGH SCHOOL TRACK & FIELD IMPROVEMENTS - INC. 2
600 E. GONZALES RD, OXNARD, CA. 93036

CONSULTANT

SEAL
LICENSED ARCHITECT
TAF R. TITTLE
No. C-18,000
RENEW 11-30-21
STATE OF CALIFORNIA

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DSA SUBMITTAL

ISSUE DATE
12/02/19

REVISIONS

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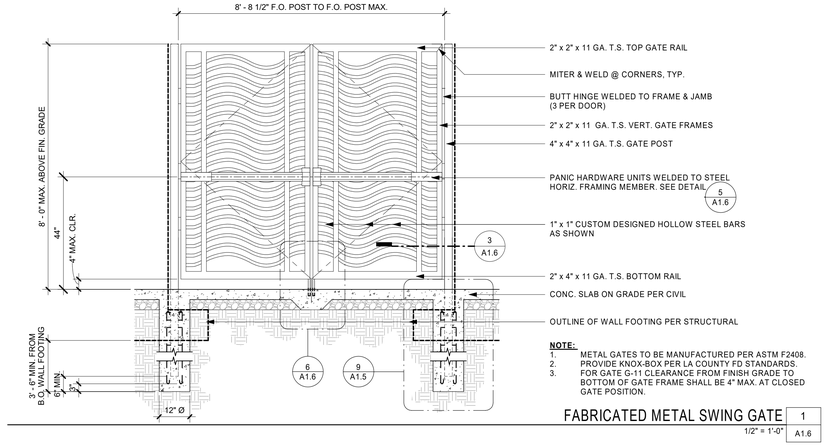
PRINCIPAL IN CHARGE
JT
PROJECT MANAGER
LEB
DESIGN TEAM
FM/ RG/ JR/ CL/ TA

PROJECT NAME
PACIFICA HIGH SCHOOL TRACK & FIELD IMPROVEMENTS - INC. 2

PROJECT NO.
612-123-5303

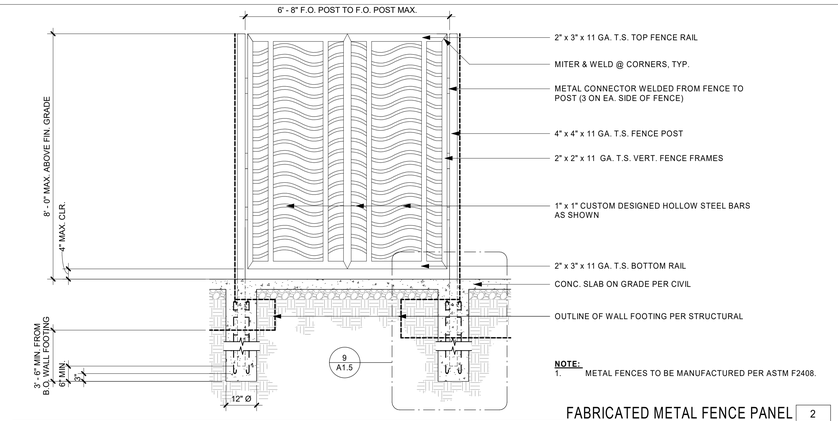
SHEET TITLE
SITE DETAILS

SHEET NUMBER
A1.5



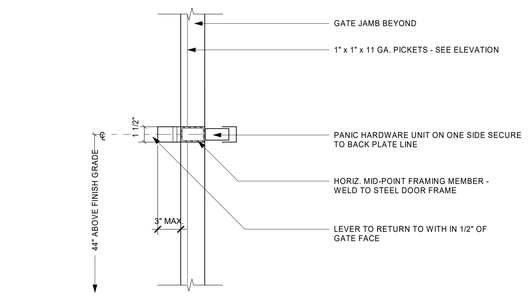
NOTE:
1. METAL GATES TO BE MANUFACTURED PER ASTM F2408.
2. PROVIDE KNOX-BOX PER LA COUNTY FD STANDARDS.
3. FOR GATE G-11 CLEARANCE FROM FINISH GRADE TO BOTTOM OF GATE FRAME SHALL BE 4" MAX. AT CLOSED GATE POSITION.

FABRICATED METAL SWING GATE — 1 — A1.6
1/2" = 1'-0"



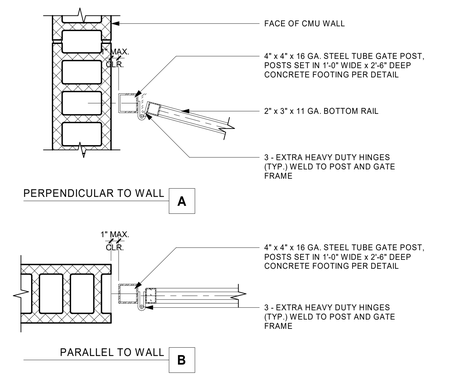
NOTE:
1. METAL FENCES TO BE MANUFACTURED PER ASTM F2408.

FABRICATED METAL FENCE PANEL — 2 — A1.6
1/2" = 1'-0"

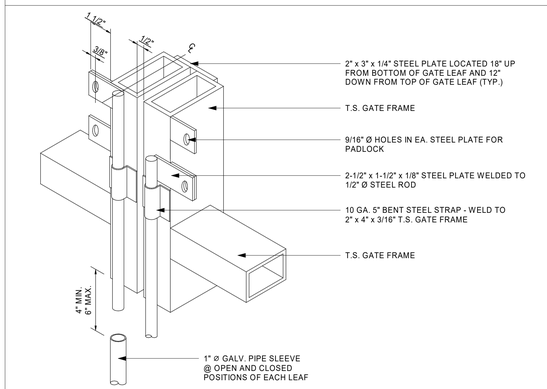


NOTE:
PROVIDE 1 1/2" Ø STEEL PULL w/ WELDED ATTACHMENT ON ONE SIDE. PROVIDE HOLD OPEN & STOP ASSEMBLY. PROVIDE 10" x 16 GA. MIN. METAL KICKPLATE @ BOTTOM OF GATE ON BOTH SIDES OF GATE LEAF.

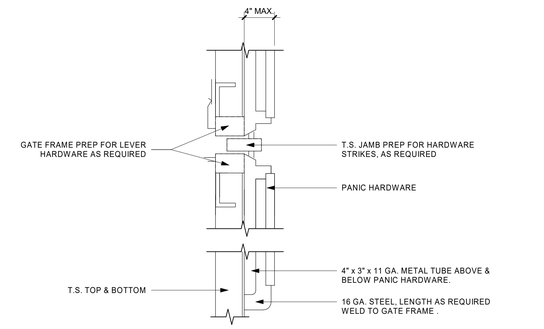
PANIC HARDWARE @ FABRICATED GATE - SECTION — 5 — A1.6
1 1/2" = 1'-0"



FABRICATED GATE HINGE @ WALL — 3 — A1.6
1 1/2" = 1'-0"



CANE BOLT ASSEMBLY FOR FABRICATED GATE — 6 — A1.6
3" = 1'-0"



PANIC HARDWARE @ FABRICATED GATE - PLAN — 4 — A1.6
1 1/2" = 1'-0"

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JAY R. TITTMANN
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RENEWAL 11-30-21
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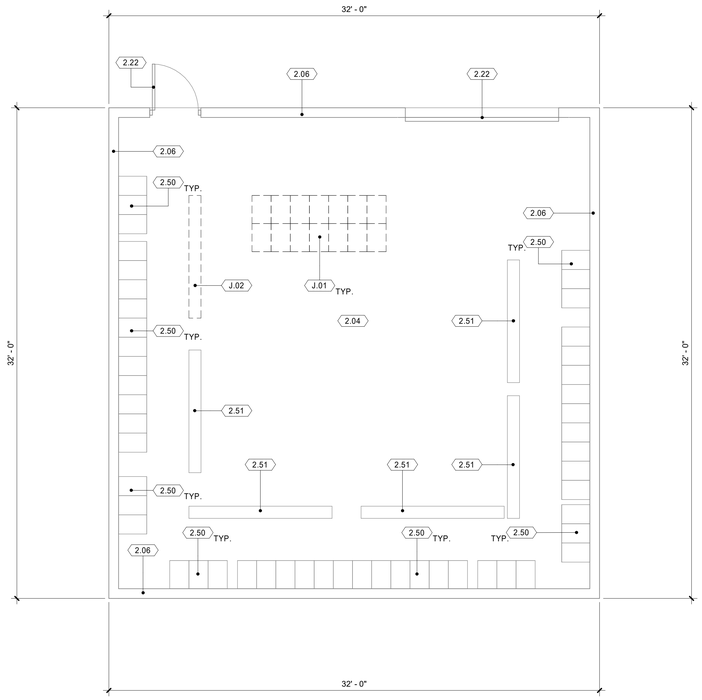
PROJECT NO.
612-123-5303

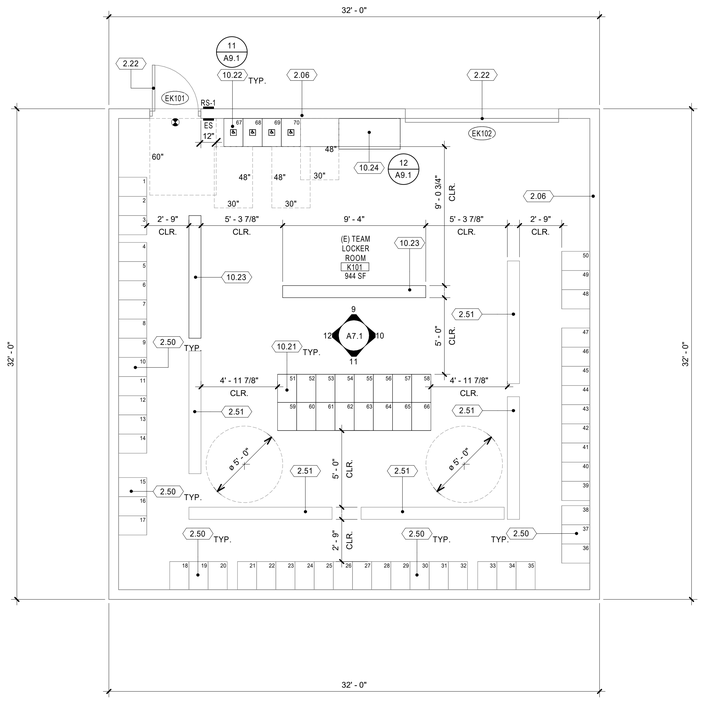
SHEET TITLE
SITE DETAILS

SHEET NUMBER
A1.6



(E) BUILDING K - DEMOLITION PLAN 1

1/4" = 1'-0" A2.1



(E) BUILDING K - MODERNIZATION PLAN 2

1/4" = 1'-0" A2.1

KEYNOTES

J.01	REMOVE (E) METAL LOCKERS, INCLUDING ANCHORAGE, HARDWARE AND ACCESSORIES.
J.02	REMOVE (E) METAL BENCH, INCLUDING ANCHORAGE.
2.04	(E) CONCRETE FLOOR TO REMAIN. PROTECT IN PLACE. PATCH AND REPAIR IF DAMAGED IN THE COURSE OF DEMOLITION WORK.
2.06	(E) CMU WALL TO REMAIN. PROTECT IN PLACE.
2.22	(E) DOOR TO REMAIN. PROTECT IN PLACE.
2.50	(E) METAL LOCKERS TO REMAIN. PROTECT IN PLACE.
2.51	(E) METAL BENCH TO REMAIN. PROTECT IN PLACE.
10.21	METAL LOCKER - 10 51 13
10.22	ACCESSIBLE METAL LOCKER - 10 51 13. SEE DETAIL 11/A9.1
10.23	METAL BENCH - 10 51 13
10.24	ACCESSIBLE METAL BENCH - 10 51 13. SEE DETAIL 12/A9.1

DEMOLITION PLAN LEGEND

EXISTING ITEM TO REMAIN

EXISTING ITEM TO BE REMOVED/DEMOLISHED

EXISTING WALL TO REMAIN

EXISTING DOOR TO REMAIN

DEMOLITION NOTES

1. THE CONTRACTOR SHALL REMOVE SUCH EXISTING WORK AS CALLED FOR IN CONTRACT OR AS REQUIRED TO CLEAR THE AREAS FOR NEW CONSTRUCTION.
2. ALL DEMOLITION WORK SHALL BE PREFORMED WITH "DUE CARE AND DILIGENCE" AS TO PREVENT THE ARBITRARY DESTRUCTION OR INTERRUPTION OF CONCEALED UTILITIES WHICH ARE INTENDED TO REMAIN IN USE AND THE ROUTING OF WHICH COULD NOT BE PREDETERMINED UNTIL DEMOLITION WAS STARTED. ALL SUCH DISCOVERIES OF UTILITIES DURING THE DEMOLITION PROCESS WHICH ARE IN A LOCATION DIFFERENT FROM THAT INDICATED, OR ARE UNIDENTIFIED, SHALL BE REPORTED TO THE ARCHITECT PRIOR TO REMOVAL FOR FINAL DISPOSITION.
3. WORK DESIGNATED TO REMAIN SHALL BE PROTECTED FROM DAMAGE AND PATCHED OR REPAIRED SHOULD DAMAGE OCCUR.
4. WHERE EXISTING EQUIPMENT IS TO BE RELOCATED, EXTREME CARE SHALL BE TAKEN TO PREVENT DAMAGE DURING THE REMOVAL. WHERE DAMAGE OCCURS, THE EQUIPMENT SHALL BE REPLACED OR REPAIRED TO THE SATISFACTION OF THE OWNER AT NO ADDITIONAL COST.
5. ALL DEBRIS BECOMES THE PROPERTY OF THE CONTRACTOR AND SHALL BE REMOVED DAILY FROM THE PREMISES AT THE CONTRACTOR'S EXPENSE AND BE DISPOSED OF ACCORDING TO LOCAL CODES AND GOVERNING AUTHORITIES. VERIFY SALVAGE MATERIALS WITH THE OWNER'S REPRESENTATIVE.
6. WHERE EXISTING ELECTRICAL WORK INTERFERES WITH NEW WORK AND WHERE SUCH INSTALLATIONS ARE TO REMAIN IN USE, THE INSTALLATIONS SHALL BE DISCONTINUED AND RELOCATED AND/OR RECONNECTED TO COORDINATE WITH NEW ELECTRICAL WORK.
7. CONTRACTOR SHALL CONSULT OTHER TRADES PRIOR TO COMMENCING DEMOLITION WORK, TO AVOID CONFLICT.
8. DEMOLITION DRAWINGS ARE DIAGRAMMATIC AND SHOW INTENT OF WORK TO BE DONE. CONTRACTOR SHALL PROVIDE ALL MATERIALS, EQUIPMENT, LABOR REQUIRED AND COST FOR REMOVAL OF ALL SYSTEMS CALLED FOR IN CONTRACT.
9. ALL EXISTING CONSTRUCTION SHALL REMAIN UNLESS NOTED OTHERWISE.
10. CONTRACTOR TO PATCH AND REPAIR ALL AREAS AFFECTED BY THE DEMOLITION.
11. CONTRACTORS SHALL COORDINATE THE SEQUENCE FOR DEMOLITION AND THE LOCATION OF ON-SITE STORAGE AREAS FOR EXISTING ITEMS TO BE REUSED, AND PROVIDE THE OWNER WITH COPIES OF DEMOLITION INVENTORY.

CONSTRUCTION NOTES

1. REVIEW DOCUMENTS AND VERIFY DIMENSIONS AND FIELD CONDITIONS WHEN APPLICABLE. CONFIRM THAT WORK IS BUILDABLE AS SHOWN. ANY CONFLICTS OR OMISSIONS SHALL BE IMMEDIATELY REPORTED TO THE ARCHITECT FOR CLARIFICATION PRIOR TO THE PERFORMANCE OF WORK IN QUESTION.
2. DO NOT SCALE DRAWINGS. WRITTEN DIMENSIONS GOVERN. ALL WALL/PARTITION LOCATIONS, DIMENSIONS AND TYPES, DOOR AND WINDOW LOCATIONS SHALL BE AS SHOWN ON PARTITION PLAN. IN CASE OF CONFLICT, NOTIFY ARCHITECT.

ACCESSIBLE LOCKER CALCULATION

TOTAL NUMBER OF LOCKERS:		70 LOCKERS
ACCESSIBLE LOCKERS:		
REQUIRED PER 2016 CBC SEC. 11B-222.1:		5% OF TOTAL
	=	70 x 5%
	=	3.5 = 4 LOCKERS
PROVIDED:		4 LOCKERS

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600 E. GONZALES RD, OXNARD, CA. 93036

CONSULTANT

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LICENSED ARCHITECT
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NO. C-33905
EXP. 11-30-21
STATE OF CALIFORNIA

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PACIFICA HIGH SCHOOL
TRACK & FIELD
IMPROVEMENTS - INC. 2

PROJECT NO.
612-123-5303

SHEET TITLE
BUILDING K PLANS

SHEET NUMBER
A2.1

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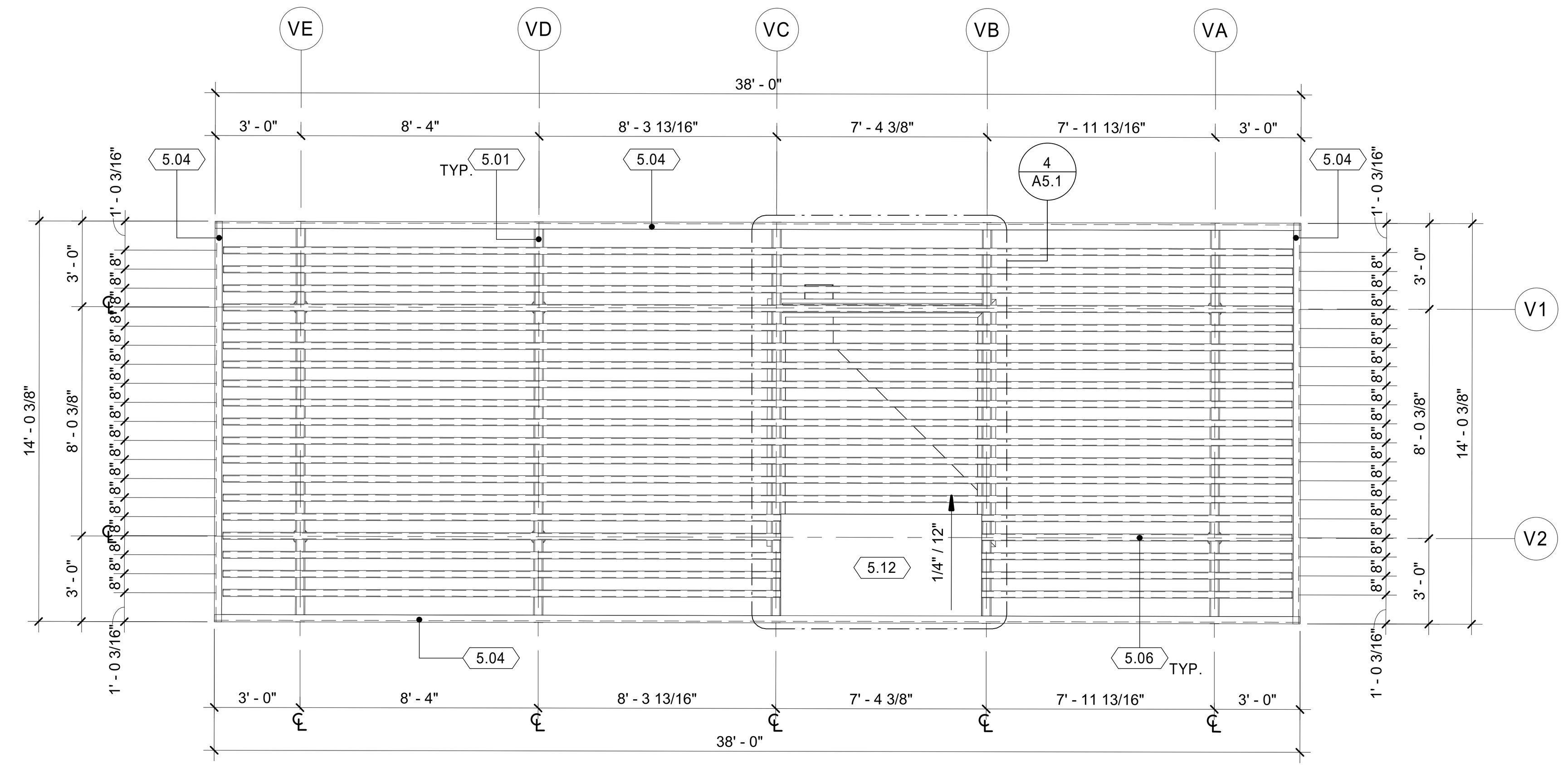
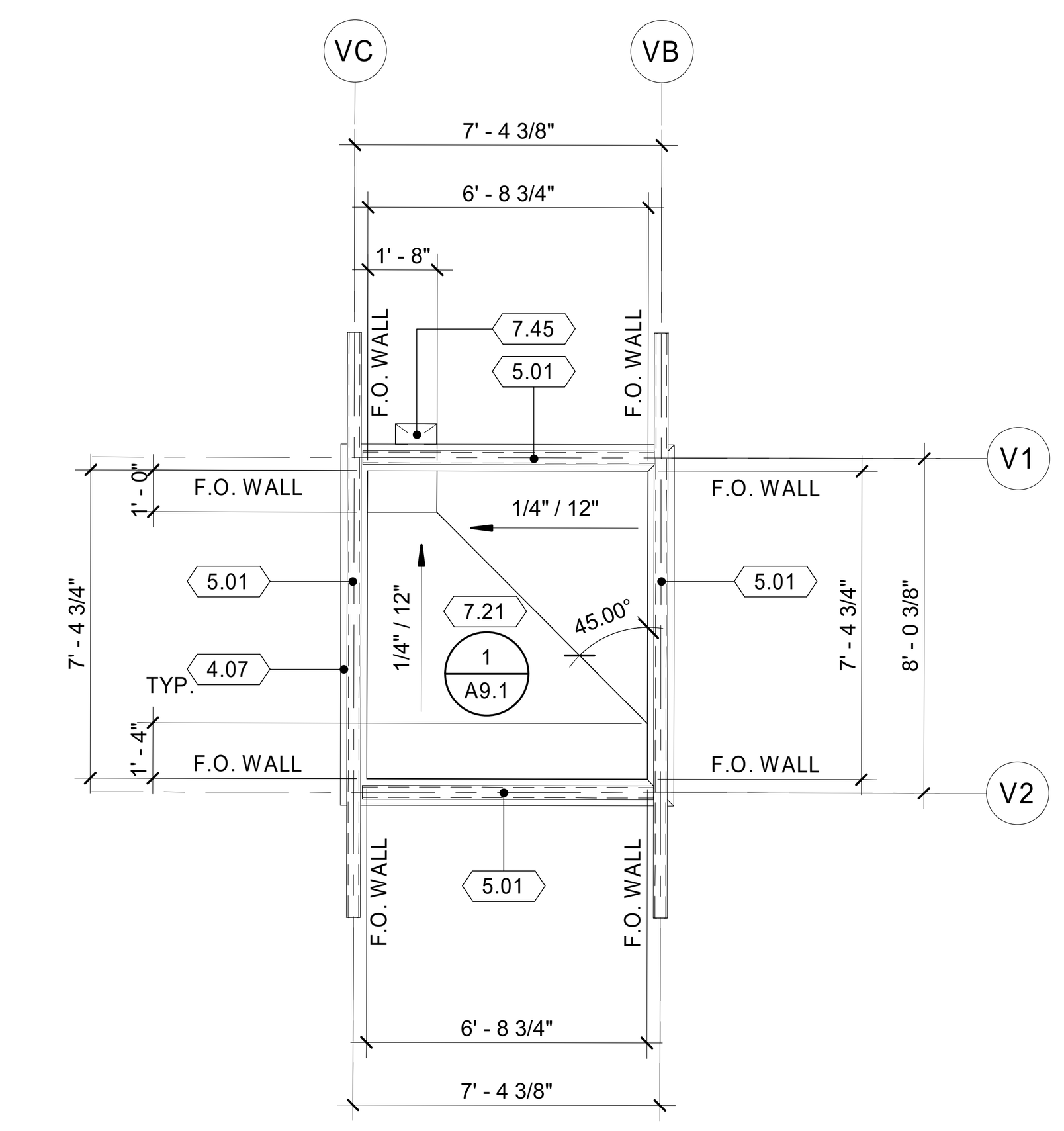
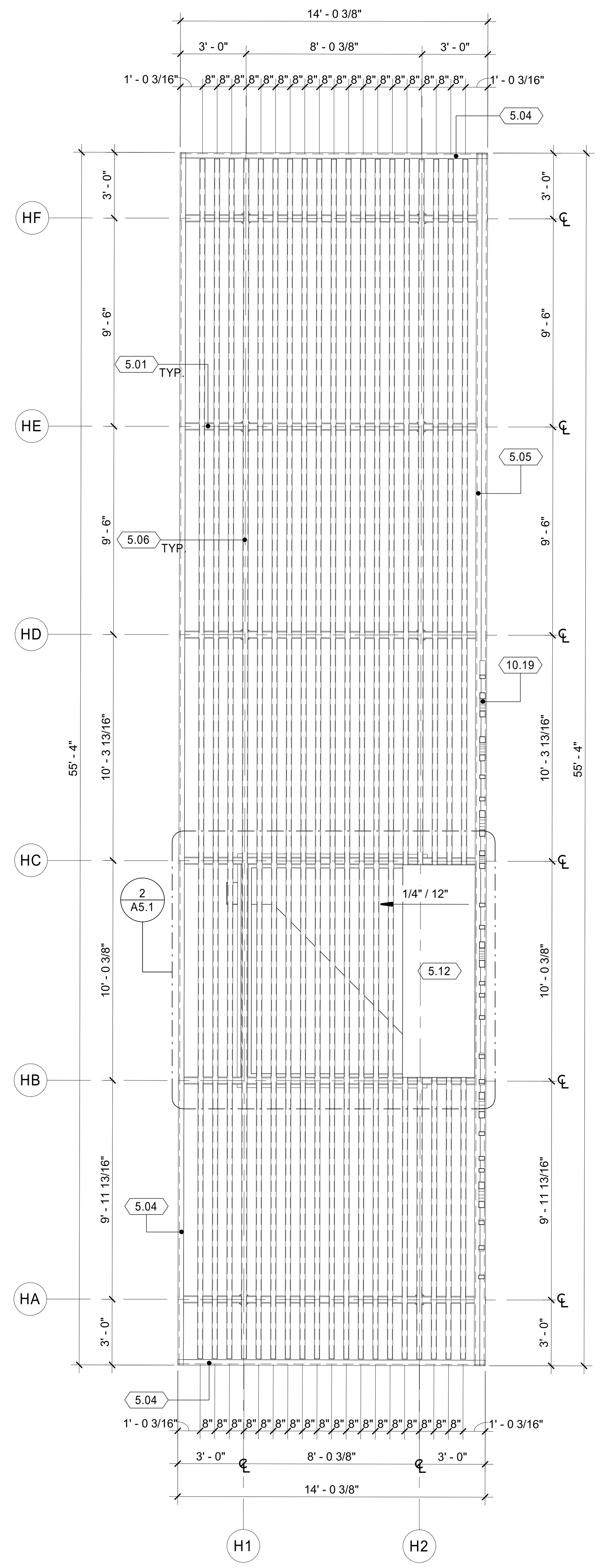


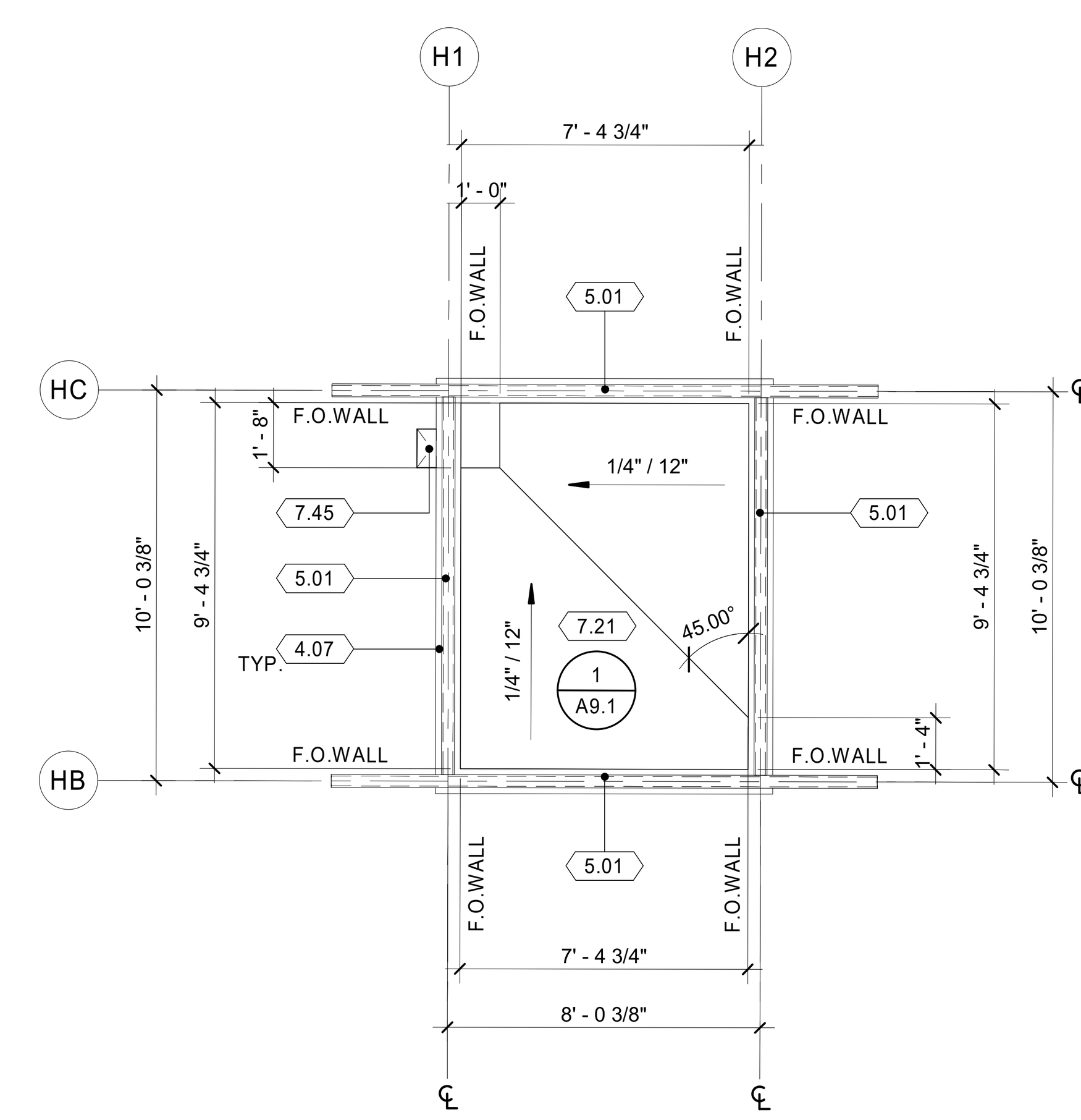
GATEWAY 2 - ROOF PLAN 3
1/4" = 1'-0" A5.1



GATEWAY 2 - LOWER ROOF PLAN 4
1/4" = 1'-0" A5.1



HOME GATEWAY - ROOF PLAN 1
1/4" = 1'-0" A5.1



HOME GATEWAY - LOWER ROOF PLAN 2
1/4" = 1'-0" A5.1

KEYNOTES

4.07	CONCRETE MASONRY UNIT, 8" x 8" x 16," RUNNING BOND - 04 22 13
5.01	STEEL BEAM PER STRUCTURAL - 05 12 00
5.04	STEEL CHANNEL PER STRUCTURAL - 05 12 00
5.05	STEEL DOUBLE CHANNEL PER STRUCTURAL - 05 12 00
5.06	STEEL TUBE TRELLIS PURLIN PER STRUCTURAL - 05 12 00
5.12	METAL ROOF DECK - 05 31 00
7.21	MODIFIED BITUMEN ROOF - HOT APPLICATION - 07 52 10
7.45	METAL SCUPPER - 07 60 00
10.19	BRUSHED ALUMINUM DIMENSIONAL SIGNAGE - 10 14 00 . SEE DETAIL 11/A9.2

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NO. C12955
REN. 11-30-21
STATE OF CALIFORNIA

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ROOF PLANS

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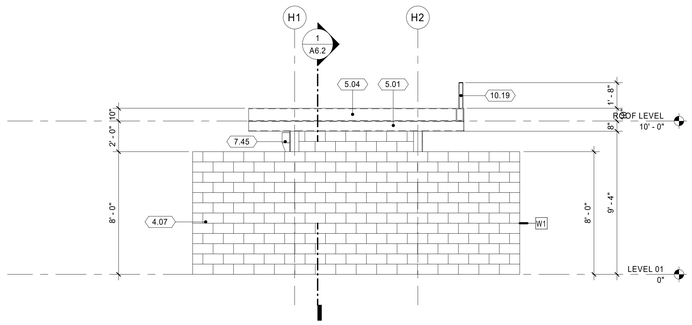
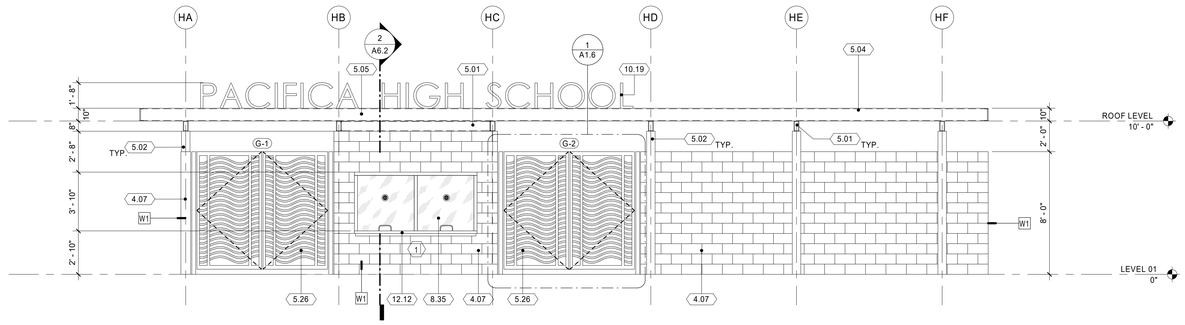
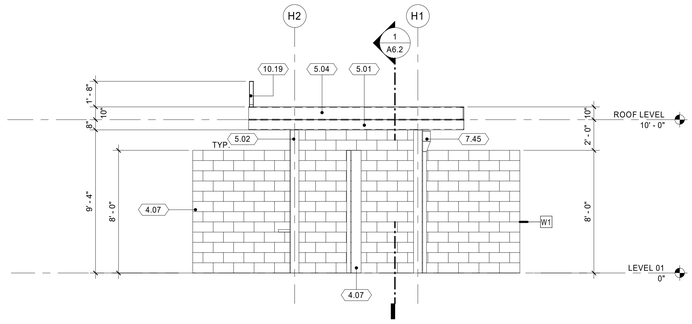


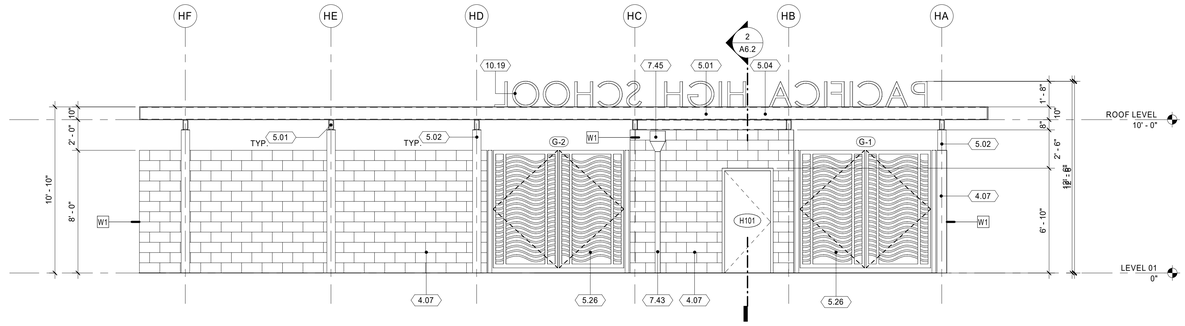
HOME GATEWAY - REAR ELEVATION E | 9
1/4" = 1'-0" | A6.1



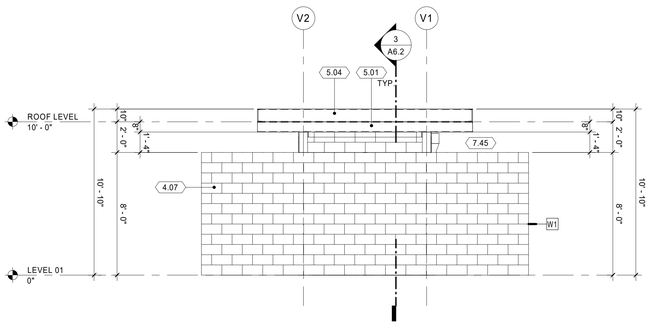
HOME GATEWAY - FRONT ELEVATION | 1
1/4" = 1'-0" | A6.1



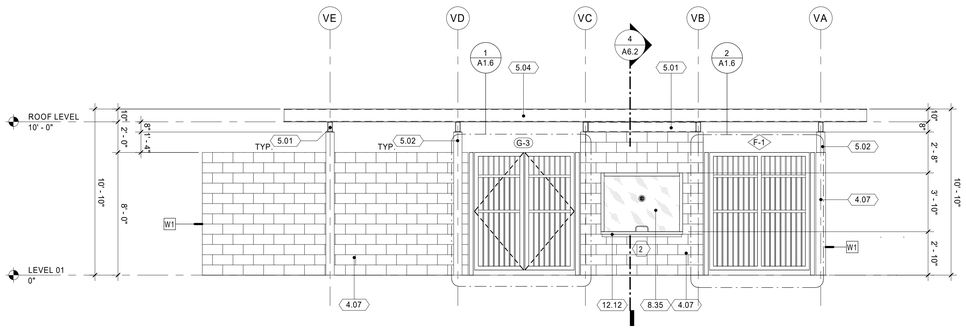
HOME GATEWAY - LEFT SIDE ELEVATION | 4
1/4" = 1'-0" | A6.1



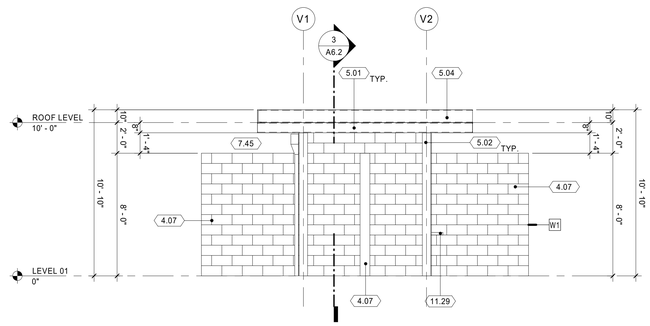
HOME GATEWAY - REAR ELEVATION | 2
1/4" = 1'-0" | A6.1



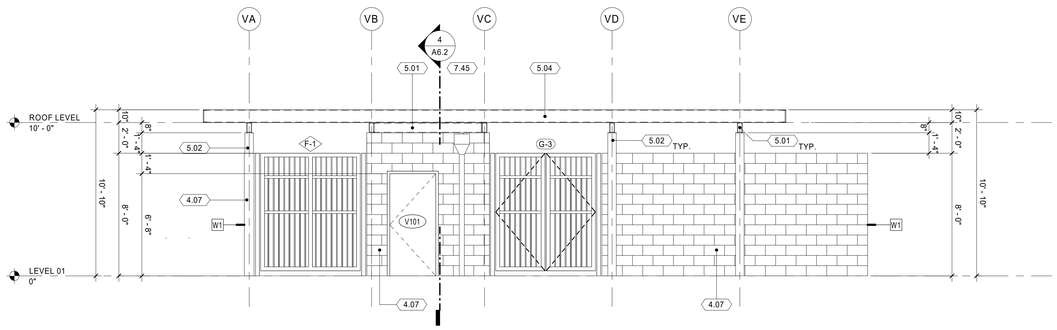
GATEWAY 2 - RIGHT SIDE ELEVATION | 7
1/4" = 1'-0" | A6.1



GATEWAY 2 - FRONT ELEVATION | 5
1/4" = 1'-0" | A6.1



GATEWAY 2 - LEFT SIDE ELEVATION | 8
1/4" = 1'-0" | A6.1



GATEWAY 2 - REAR ELEVATION | 6
1/4" = 1'-0" | A6.1

KEYNOTES

4.07	CONCRETE MASONRY UNIT, 8" x 8" x 16," RUNNING BOND - 04 22 13
5.01	STEEL BEAM PER STRUCTURAL - 05 12 00
5.02	STEEL COLUMN PER STRUCTURAL - 05 12 00
5.04	STEEL CHANNEL PER STRUCTURAL - 05 12 00
5.05	STEEL DOUBLE CHANNEL PER STRUCTURAL - 05 12 00
5.26	FABRICATED STEEL GATE - 05 50 00. SEE DETAIL 1/A1.6
7.43	METAL DOWNSPOUT - 07 60 00
7.45	METAL SCUPPER - 07 60 00
8.35	ALUMINUM PASS THRU WINDOW WITH SPEAK THROUGH DEVICE- 08 56 19. SEE DETAIL 7/A9.2
10.19	BRUSHED ALUMINUM DIMENSIONAL SIGNAGE - 10 14 00 . SEE DETAIL 11/A9.2
11.29	STAINLESS STEEL COUNTER - 11 40 00
12.12	STAINLESS STEEL COUNTERTOP - 12 36 00. SEE DETAIL 7/A9.2

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CONSULTANT

SEAL

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JAY R. TITTLE
No. C-23035
REN. 08/31/21
STATE OF CALIFORNIA

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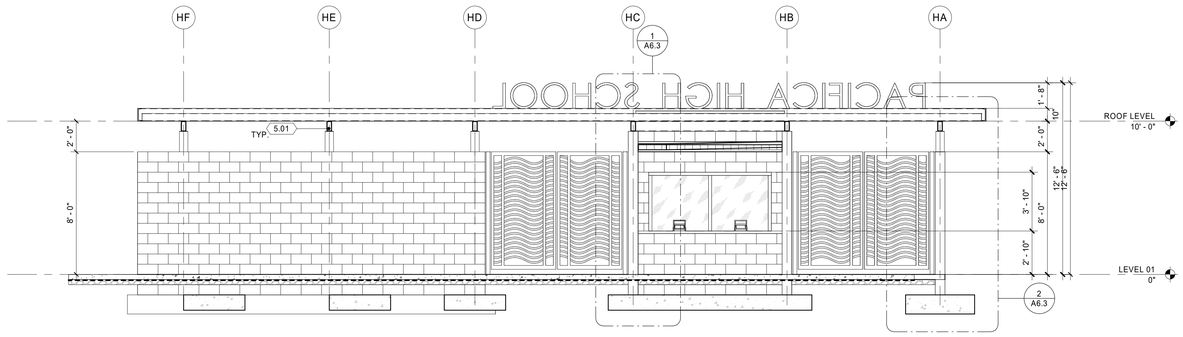
IMPROVEMENTS - INC. 2

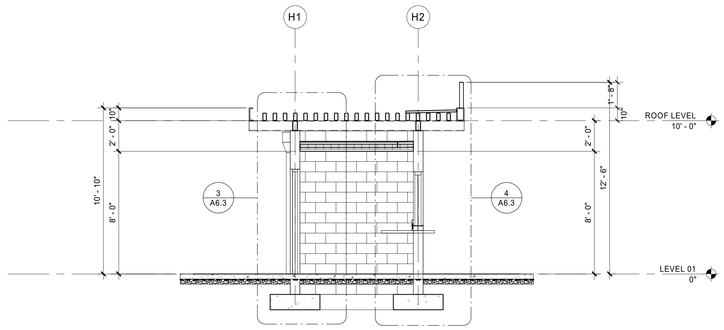
PROJECT NO.
612-123-5303

SHEET TITLE
EXTERIOR ELEVATIONS

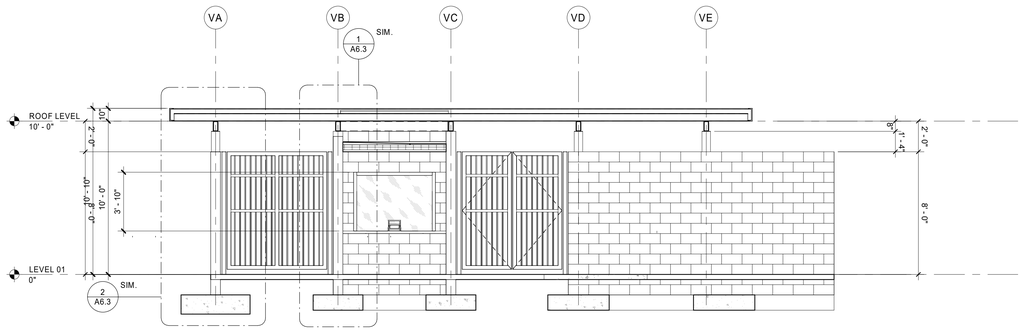
SHEET NUMBER
A6.1



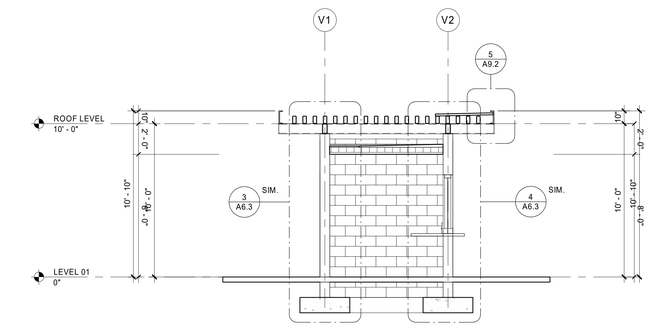
HOME GATEWAY - LONGITUDINAL SECTION 1
1/4" = 1'-0" A6.2



HOME GATEWAY - CROSS SECTION 2
1/4" = 1'-0" A6.2



GATEWAY 2 - LONGITUDINAL SECTION 3
1/4" = 1'-0" A6.2



GATEWAY 2 - CROSS SECTION 4
1/4" = 1'-0" A6.2

C:\Users\farnaz.mahjoob\Documents\612123S303 OXNARD UHSD - PACIFICA HIGH SCHOOL TRACK & FIELD IMPROVEMENTS-INC 2 - CENTRAL 18_farnaz.mahjoob.rvt

12/1/2019 9:26:47 PM

AGENCY REVIEW

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APP. 03-120009 INC. 02
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Newport Beach, CA. 92660
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CLIENT NAME
OXNARD UNION HIGH SCHOOL DISTRICT

PROJECT NAME
PACIFICA HIGH SCHOOL TRACK & FIELD IMPROVEMENTS - INC. 2
600 E. GONZALES RD, OXNARD, CA. 93036

CONSULTANT

SEAL
LICENSED ARCHITECT
JAY R. TITTMANN
No. C-31385
REN: 11-30-21
STATE OF CALIFORNIA

ISSUE FOR
DSA SUBMITTAL

ISSUE DATE
12/02/19

REVISIONS

NO.	REASON	DATE

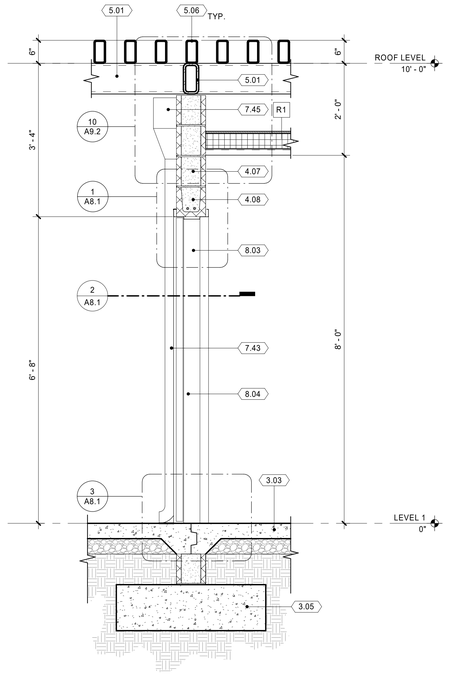
PROJECT TEAM
PRINCIPAL IN CHARGE
JT
PROJECT MANAGER
LEB
DESIGN TEAM
FM/RG/CL/TA

PROJECT NAME
PACIFICA HIGH SCHOOL
TRACK & FIELD
IMPROVEMENTS - INC. 2

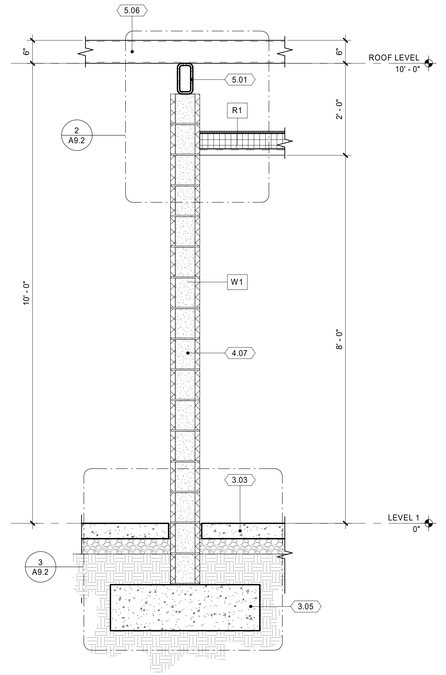
PROJECT NO.
612-123-5303

SHEET TITLE
BUILDING SECTIONS

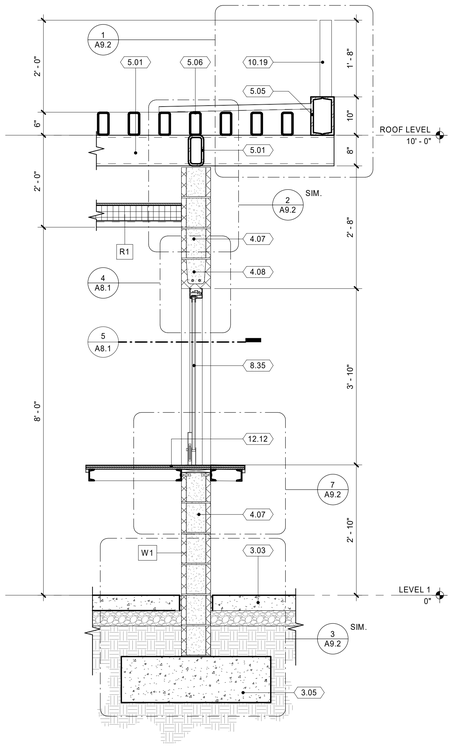
SHEET NUMBER
A6.2



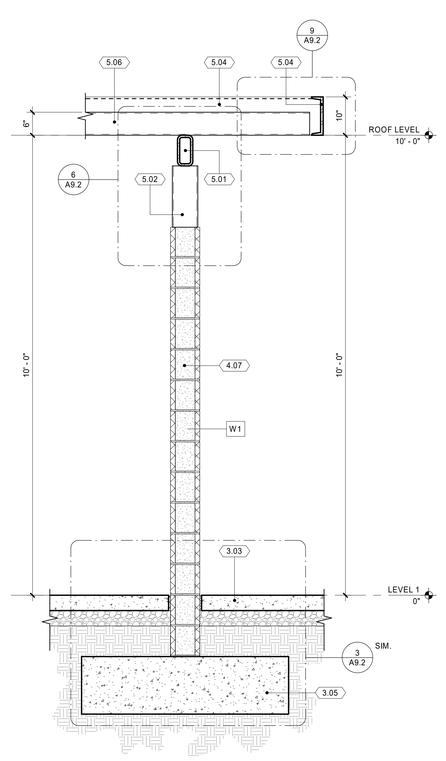
WALL SECTION - TICKET BOOTH DOOR WALL 3
3/4" = 1'-0" A6.3



WALL SECTION - TICKET BOOTH SIDE WALL 1
3/4" = 1'-0" A6.3



WALL SECTION - TICKET BOOTH WINDOW WALL 4
3/4" = 1'-0" A6.3



WALL SECTION - END WALL 2
3/4" = 1'-0" A6.3

KEYNOTES

3.03	CAST-IN-PLACE CONCRETE SLAB - 03 30 10
3.05	CAST-IN-PLACE CONCRETE FOOTING - 03 30 10
4.07	CONCRETE MASONRY UNIT, 8" x 8" x 16," RUNNING BOND - 04 22 13
4.08	CONCRETE MASONRY UNIT LINTEL, 8" x 8" x 16," - 04 22 00
5.01	STEEL BEAM PER STRUCTURAL - 05 12 00
5.02	STEEL COLUMN PER STRUCTURAL - 05 12 00
5.04	STEEL CHANNEL PER STRUCTURAL - 05 12 00
5.05	STEEL DOUBLE CHANNEL PER STRUCTURAL - 05 12 00
5.06	STEEL TUBE TRELLIS PURLIN PER STRUCTURAL - 05 12 00
7.43	METAL DOWNSPOUT - 07 60 00
7.45	METAL SCUPPER - 07 60 00
8.03	HOLLOW METAL DOOR FRAME - 08 11 00. SEE DETAILS 1 AND 2/A6.1
8.04	HOLLOW METAL DOOR - 08 11 00
8.35	ALUMINUM PASS THRU WINDOW WITH SPEAK THROUGH DEVICE- 08 56 19. SEE DETAIL 7/A9.2
10.19	BRUSHED ALUMINUM DIMENSIONAL SIGNAGE - 10 14 00 , SEE DETAIL 11/A9.2
12.12	STAINLESS STEEL COUNTERTOP - 12 36 00. SEE DETAIL 7/A9.2

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CONSULTANT

SEAL
LICENSED ARCHITECT
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No. C-31286
RENEWAL 08-31-21
STATE OF CALIFORNIA

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ISSUE DATE
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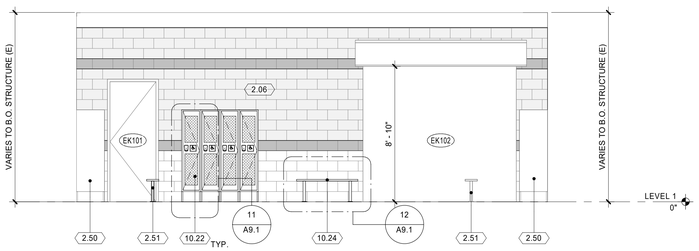
JT
PROJECT MANAGER
LEB
DESIGN TEAM
FM/RG/CL/TA

PROJECT NAME
PACIFICA HIGH SCHOOL TRACK & FIELD IMPROVEMENTS - INC. 2

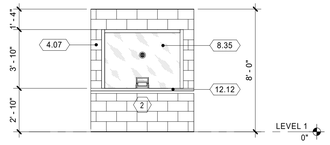
PROJECT NO.
612-123-5303

SHEET TITLE
WALL SECTIONS

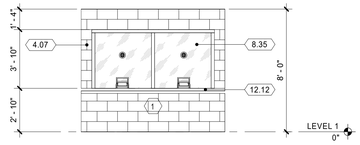
SHEET NUMBER
A6.3



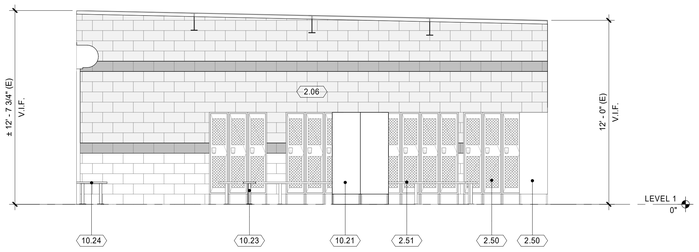
(E) BUILDING K - FRONT WALL INTERIOR ELEVATION 9
1/4" = 1'-0" A7.1



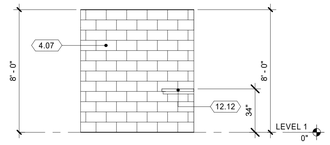
GATEWAY 2 TICKET BOOTH - FRONT WALL INT. ELEV. 5
1/4" = 1'-0" A7.1



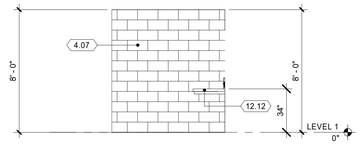
HOME GATEWAY TICKET BOOTH - FRONT WALL INT. ELEV. 1
1/4" = 1'-0" A7.1



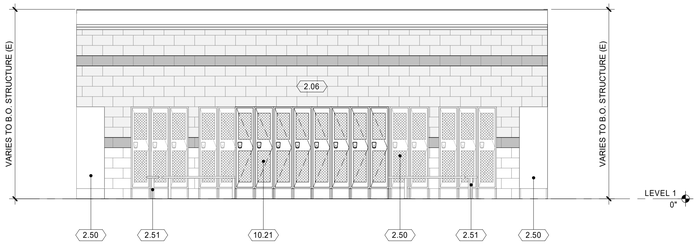
(E) BUILDING K - SIDE WALL 1 INTERIOR ELEVATION 10
1/4" = 1'-0" A7.1



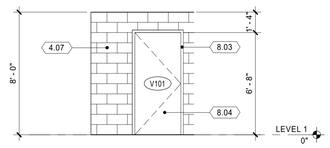
GATEWAY 2 TICKET BOOTH - SIDE WALL 1 INT. ELEV. 6
1/4" = 1'-0" A7.1



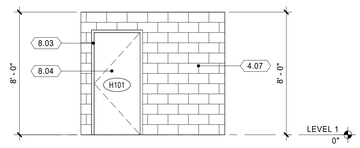
HOME GATEWAY TICKET BOOTH - SIDE WALL 1 INT. ELEV. 2
1/4" = 1'-0" A7.1



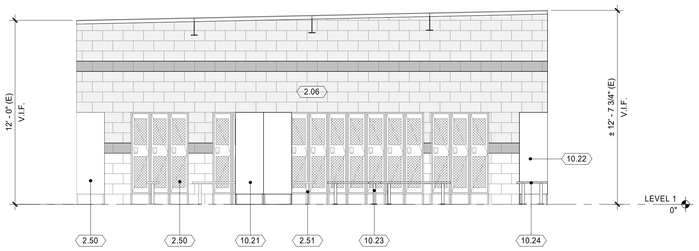
(E) BUILDING K - REAR WALL INTERIOR ELEVATION 11
1/4" = 1'-0" A7.1



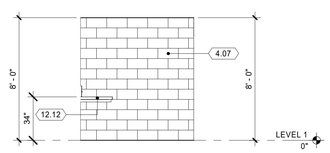
GATEWAY 2 TICKET BOOTH - REAR WALL INT. ELEV. 7
1/4" = 1'-0" A7.1



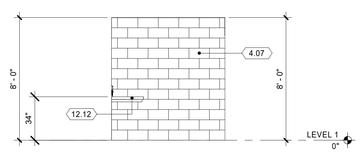
HOME GATEWAY TICKET BOOTH - REAR WALL INT. ELEV. 3
1/4" = 1'-0" A7.1



(E) BUILDING K - SIDE WALL 2 INTERIOR ELEVATION 12
1/4" = 1'-0" A7.1



GATEWAY 2 TICKET BOOTH - SIDE WALL 2 INT. ELEV. 8
1/4" = 1'-0" A7.1



HOME GATEWAY TICKET BOOTH - SIDE WALL 2 INT. ELEV. 4
1/4" = 1'-0" A7.1

KEYNOTES

2.06	(E) CMU WALL TO REMAIN. PROTECT IN PLACE.
2.50	(E) METAL LOCKERS TO REMAIN. PROTECT IN PLACE.
2.51	(E) METAL BENCH TO REMAIN. PROTECT IN PLACE.
4.07	CONCRETE MASONRY UNIT, 8" x 8" x 16," RUNNING BOND - 04 22 13
8.03	HOLLOW METAL DOOR FRAME - 08 11 00. SEE DETAILS 1 AND 2/A6.1
8.04	HOLLOW METAL DOOR - 08 11 00
8.35	ALUMINUM PASS THRU WINDOW WITH SPEAK THROUGH DEVICE- 08 56 19. SEE DETAIL 7/A9.2
10.21	METAL LOCKER - 10 51 13
10.22	ACCESSIBLE METAL LOCKER - 10 51 13. SEE DETAIL 11/A9.1
10.23	METAL BENCH - 10 51 13
10.24	ACCESSIBLE METAL BENCH - 10 51 13. SEE DETAIL 12/A9.1
12.12	STAINLESS STEEL COUNTERTOP - 12 36 00. SEE DETAIL 7/A9.2

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600 E. GONZALES RD, OXNARD, CA. 93036

CONSULTANT

SEAL
LICENSED ARCHITECT
JAY R. TITTLE
No. C-23505
RENEW 08-31
STATE OF CALIFORNIA

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PROJECT NAME
PACIFICA HIGH SCHOOL TRACK & FIELD IMPROVEMENTS - INC. 2

PROJECT NO.
612-123-5303

SHEET TITLE
INTERIOR ELEVATIONS

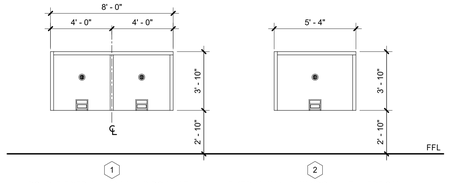
SHEET NUMBER
A7.1

ROOM FINISH SCHEDULE

NO.	ROOM NAME	FLOOR MAT.	FLOOR FIN.	BASE	WALLS NORTH MAT.	WALLS NORTH FIN.	WALLS EAST MAT.	WALLS EAST FIN.	WALLS SOUTH MAT.	WALLS SOUTH FIN.	WALLS WEST MAT.	WALLS WEST FIN.	CEILING MAT.	CEILING FIN.	REMARKS
H101	TICKET BOOTH	CONC.	CS-1	-	CMU	PF-1	CMU	PF-1	CMU	PF-1	CMU	PF-1	EXP	UNF	1
K101	(E) TEAM LOCKER ROOM	(E)	(E)	-	(E)	(E)	(E)	(E)	(E)	(E)	(E)	(E)	EXP.	(E)	
V101	TICKET BOOTH	CONC.	CS-1	-	CMU	PF-1	CMU	PF-1	CMU	PF-1	CMU	PF-1	EXP	UNF	1

DOOR SCHEDULE

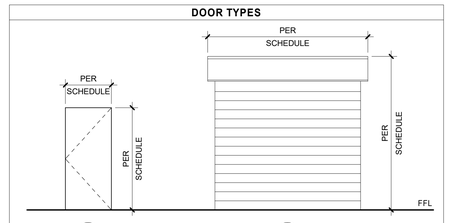
NO.	DOOR WIDTH	DOOR HEIGHT	DOOR TYPE	DOOR MAT.	DOOR FIN.	DOOR GLASS	FRAME TYPE	FRAME MAT.	FRAME FIN.	DETAILS HEAD	DETAILS JAMB	DETAILS THRESH	PANIC HDW	REMARKS
EK101	3' - 0"	7' - 10"	F	HM	PFX-1	-	F1	HM	PFX-1	-	-	-	No	1
EK102	10' - 0"	8' - 8"	OC	HM	PFX-1	-	F1	HM	PFX-1	-	-	-	No	1
H101	3' - 0"	6' - 8"	F	HM	PFX-1	-	F1	HM	PFX-1	/A8.1	/A8.1	/A8.1	No	2
V101	3' - 0"	6' - 8"	F	ALUM	FF	-	-	-	-	/A8.1	/A8.1	/A8.1	No	2

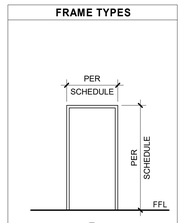


1 DOUBLE FIXED ALUMINUM WINDOW WITH VERTICAL SLIDING TICKET WINDOW OPENINGS AND SPEAK THROUGH DEVICES

2 FIXED ALUMINUM WINDOW WITH VERTICAL SLIDING TICKET WINDOW OPENING AND SPEAK THROUGH DEVICE

WINDOW TYPES
NOT TO SCALE





DOOR AND FRAME TYPES
NOT TO SCALE

MATERIALS

CBU	CEMENTITIOUS BACKER UNIT
CS-1	CONCRETE SEALER - COLORLESS - 03 30 10
CONC	EXPOSED CONCRETE
CMU	CONCRETE MASONRY UNIT
CT-3	CERAMIC TILE PAVER- 12 x 12 FLOOR - 09 30 13
EXP	EXPOSED STRUCTURE
FF	FACTORY FINISH
GB	GYPSUM BOARD - 09 21 16
GBX	GYPSUM BOARD, FIRE RATED - 09 21 16
GBMR	GYPSUM BOARD, MOISTURE RESISTANT - 09 21 16
GBMRX	GYPSUM BOARD, FIRE RATED, MOISTURE RESISTANT - 09 21 16
ALUM	ALUMINUM
HM	HOLLOW METAL
WD	WOOD
STL	STEEL
PF-1	PAINT - SEMI-GLOSS - 09 91 00
PF-2	PAINT - EGGSHELL - 09 91 00
PF-3	PAINT - SEMI-GLOSS ENAMEL - 09 91 00
PF-4	PAINT - FERROUS METAL PIPING, MISC METALS - 09 91 00
PF-5	PAINT - GALVANIZED DUCTWORK, ELECT CONDUIT - 09 91 00
PF-6	PAINT - EPOXY - 09 91 00
PFX-1	PAINT - STEEL DOORS & FRAMES - 09 91 00
PFX-2	PAINT - HIGH PERFORMANCE COATING - 09 91 00
PFX-3	PAINT - FERROUS METAL PIPING, MISC METALS - 09 91 00
PFX-4	PAINT - FLAT FINISH ACRYLIC - 09 91 00
UNF	UNFINISHED

INTERIOR PAINT COLORS

PT-1
PT-2
PT-3
PT-4

GENERAL NOTES - FINISHES

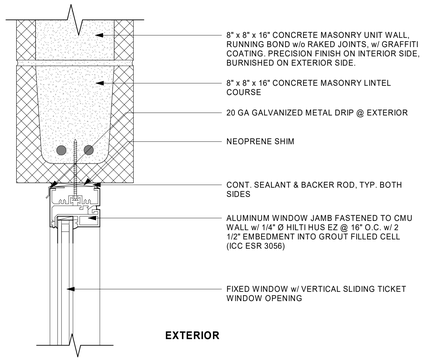
1. ALL FINISHES SHALL COMPLY WITH 2016 CBC CHAPTER 8 AND WITH TITLE 19 C.C.R. & 2016 CFC.
2. PREPARE ALL SURFACES TO BE FINISHED PRIOR TO PAINTING, INCLUDING GALVANIZED STEEL AND ALL SURFACES ON WHICH DEBRIS OR OTHER RESIDUES EXIST WHICH MAY INTERFERE WITH FINISHING.

FINISH SCHEDULE REMARKS

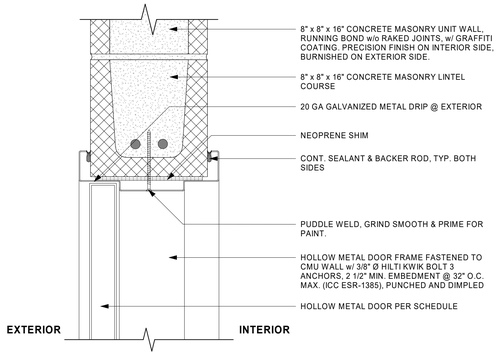
1. PAINT ALL EXPOSED STRUCTURAL STEEL, METAL DECK, DUCTWORK AND ELECTRICAL COMPONENTS - 09 91 00

DOOR SCHEDULE REMARKS

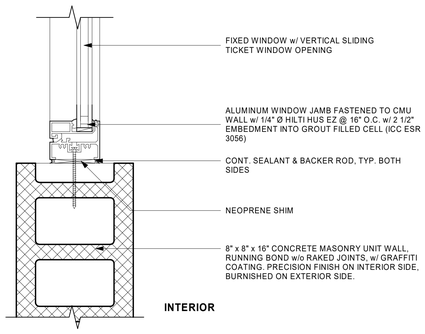
1. EXISTING DOOR TO REMAIN. PROTECT IN PLACE.
2. ALL DOORS ARE 1-3/4" THICK UNLESS NOTED OTHERWISE.



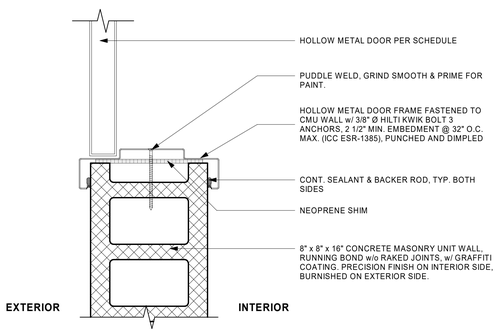
ALUMINUM WINDOW HEAD @ CMU WALL
3" = 1'-0" — 4 / A8.1



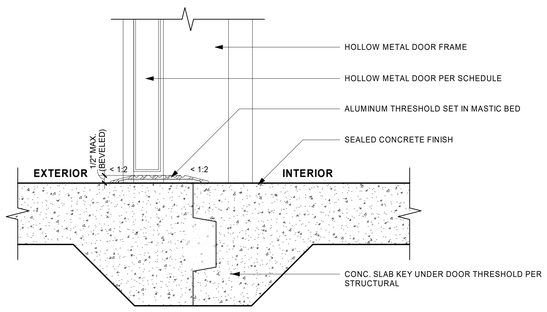
METAL DOOR HEAD @ CMU WALL
3" = 1'-0" — 1 / A8.1



ALUMINUM WINDOW JAMB @ CMU WALL
3" = 1'-0" — 5 / A8.1



METAL DOOR JAMB @ CMU WALL
3" = 1'-0" — 2 / A8.1



METAL DOOR @ THRESHOLD
3" = 1'-0" — 3 / A8.1

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CONSULTANT

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LICENSED ARCHITECT — KAY R. TITTLE — No. C-23505 — RENEWAL 08-31 — STATE OF CALIFORNIA

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PRINCIPAL IN CHARGE: JT
PROJECT MANAGER: LEB
DESIGN TEAM: FM/RG/CL/TA

PROJECT NAME
PACIFICA HIGH SCHOOL TRACK & FIELD IMPROVEMENTS - INC. 2

PROJECT NO.
612-123-5303

SHEET TITLE
FINISH SCHEDULE, DOOR SCHEDULE, DOOR & WINDOW TYPES, DETAILS

SHEET NUMBER
A8.1

SIGNAGE GENERAL NOTES

1. **CHARACTER TYPE:** CHARACTERS ON SIGNS SHALL BE RAISED 1/32" INCH (0.794 MM) MINIMUM AND SHALL BE SANS SERIF UPPERCASE CHARACTERS ACCOMPANIED BY GRADE II BRAILLE. SEE NOTE #5 BELOW.

2. **CHARACTER SIZE:** RAISED CHARACTERS SHALL BE A MINIMUM OF 5/8" (15.9 mm) AND A MAXIMUM OF 2" (51 mm) IN HEIGHT PER 2016 CBC SEC. 11B-703.2.5.

3. **FINISH & CONTRAST:** CONTRAST BETWEEN CHARACTERS, SYMBOLS, AND THEIR BACKGROUND MUST BE 70% MINIMUM AND HAVE A NON-GLARE FINISH PER 2016 CBC SEC. 11B-703.5.1.

4. **PROPORTIONS:** CHARACTERS ON SIGNS SHALL HAVE A WIDTH-TO-HEIGHT RATIO OF BETWEEN 1:5 AND 1:10

   ALL LETTERS MEASURED MUST BE UPPERCASE AFTER CHOOSING A TYPESTYLE TO TEST. BEGIN BY PRINTING THE LETTERS "I", "X", AND "O" AT 1 INCH HIGH. PLACE THE TEMPLATES 1:1 SQUARE OVER THE "X" OR "O", WHICHEVER IS NARROWER. IF THE CHARACTER IS NOT WIDER THAN 1 INCH, NOR NARROWER THAN 3:5 RECTANGLE, THE PROPORTIONS ARE CORRECT. USE THE 1:5 RECTANGLE TO DETERMINE IF THE STROKE OF THE "I" IS TOO BROAD AND 1:10 RECTANGLE TO DETERMINE IF THE STROKE OF THE "I" IS TOO NARROW. IF ALL LETTERS PASS THE ABOVE TESTS, THE TYPE STYLE IS COMPLIANT WITH THE PROPORTIONS PER 2016 CBC SEC. 11B-703.2.4.

   WIDTH-TO-HEIGHT CHARACTER PROPORTIONS TEMPLATE

   CHARACTER PROPORTIONS

   1:1 100%

   3:5 60%

   STROKE PROPORTIONS

   1:5 20%

   1:10 10%

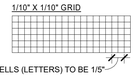
5. **BRAILLE:** CALIFORNIA GRADE II BRAILLE SHALL BE USED WHEREVER BRAILLE IS REQUIRED IN OTHER PORTIONS OF THESE STANDARDS. DOTS SHALL BE 1/10 INCH (2.54 MM) ON CENTERS IN EACH CELL WITH 2/10 INCH (5.08 MM) SPACE BETWEEN CELLS, MEASURED FROM THE SECOND COLUMN DOTS IN THE FIRST CELL TO THE FIRST COLUMN OF DOTS IN THE SECOND CELL. DOTS SHALL BE RAISED A MINIMUM OF 1/40 INCH (0.635 MM) ABOVE THE BACKGROUND. PER 2016 CBC SEC.11B-703.4.

   BRAILLE SPACING TEMPLATE PER TITLE 24

   TYP. BRAILLE DOT

   1/10" X 1/10" GRID

   SPACE BETWEEN CELLS (LETTERS) TO BE 1/5"

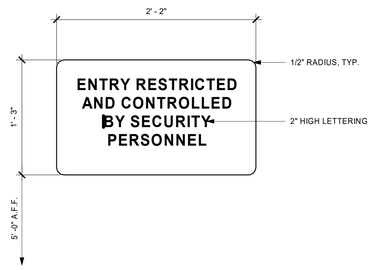
   RECOMMENDED ROUNDED OR DOMED BRAILLE DOTS, EACH DISTINCT AND SEPARATE. DOTS WITH STRAIGHT SIDES AND FLAT TOPS ARE UNREADABLE FOR MANY BRAILLE USERS.

6. ATTACH SIGN USING FLATHEAD COUNTERSUNK SCREWS, QUANTITY AND LOCATIONS SHOWN IN DETAILS, TO SOLID BACKING & ADHESIVE TO BACK.

7. FOR INTERIOR SIGNAGE USE PLATE OF 1/8" THICK PHOTO SENSITIVE ACRYLIC ETCHED TO FORM A SINGLE PLAQUE SIGN WILL BE A (2) TWO COLOR SIGN WITH A LIGHT BACKGROUND & DARK CHARACTERS. COLORS TO BE DETERMINED BY ARCHITECT.

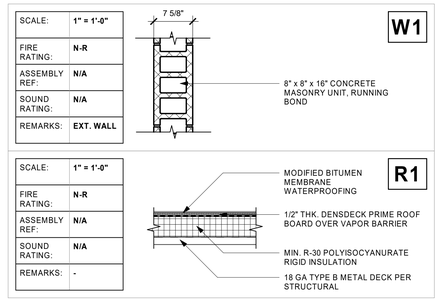
8. FOR EXTERIOR SIGNAGE USE PLATE OF 1/8" ANODIZED ALUMINUM ETCHED TO FORM A SINGLE PLAQUE SIGN WITH (2) COLORS: LIGHT BACKGROUND & DARK CHARACTERS. COLORS TO BE DETERMINED BY ARCHITECT.

9. ALL ROOM LOCATIONS OF SIGNAGE SHALL BE REVIEWED BY OWNER BEFORE INSTALLATION.

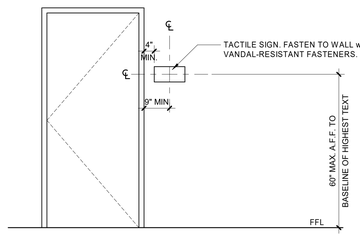


NOTE:
SIGN LETTERING AND ITS BACKGROUND SHALL CONTRAST IN COLOR, TYP.

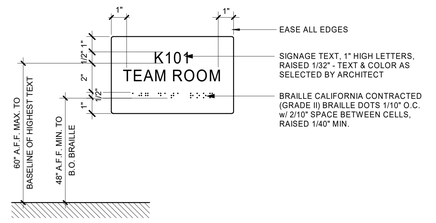
IS-1 - RESTRICTED ENTRY SIGNAGE — 5 — A9.1
1 1/2" = 1'-0"



WALL AND ROOF ASSEMBLIES — 1 — A9.1
1" = 1'-0"

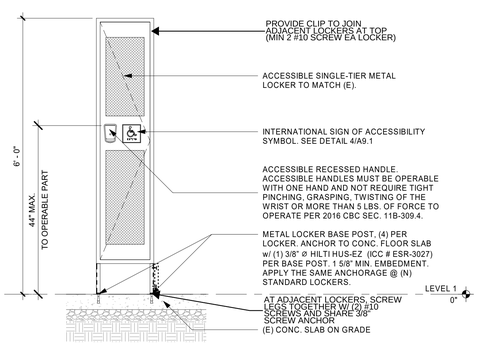


ROOM ID SIGN LOCATION @ DOOR — 6 — A9.1
1/2" = 1'-0"

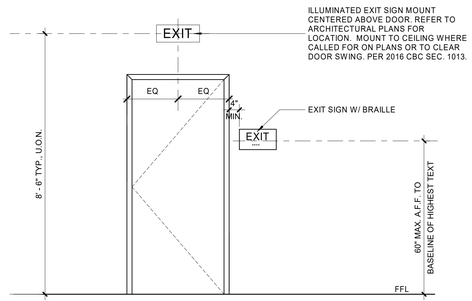


NOTE:
1. CHARACTERS AND BACKGROUND OF SIGNS TO BE NON-GLARE FINISH.
2. COLOR AND CONTRAST OF SIGN TO BE DISTINCTLY DIFFERENT FROM COLOR AND CONTRAST OF WALL.
3. PROVIDE AT LEAST 70% CONTRAST BETWEEN CHARACTERS AND NON-GLARE BACKGROUND.
4. RAISED CHARACTERS ON SIGNS SHALL BE SELECTED FROM FONTS WHERE THE WIDTH OF THE UPPERCASE LETTER "O" IS 60% MINIMUM AND 110% MAXIMUM OF THE HEIGHT OF THE UPPERCASE LETTER "I."
5. STROKE THICKNESS OF THE UPPERCASE "I" SHALL BE 15% MAXIMUM OF THE HEIGHT OF THE CHARACTER.

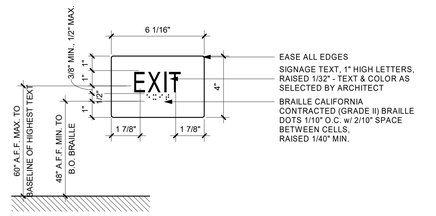
RS-1 TACTILE ROOM ID SIGN — 2 — A9.1
3" = 1'-0"



ACCESSIBLE LOCKER ELEVATION — 11 — A9.1
3/4" = 1'-0"

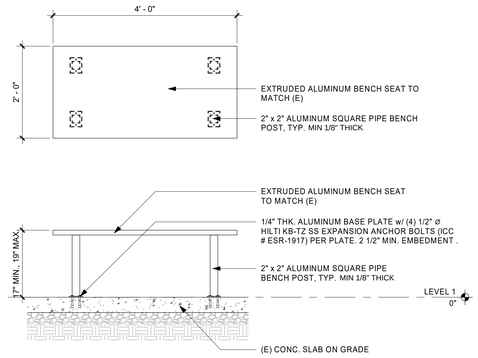


EXIT SIGN LOCATION @ DOOR — 7 — A9.1
1/2" = 1'-0"

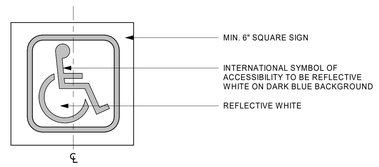


NOTE:
1. CHARACTERS AND BACKGROUND OF SIGNS TO BE NON-GLARE FINISH.
2. COLOR AND CONTRAST OF SIGN TO BE DISTINCTLY DIFFERENT FROM COLOR AND CONTRAST OF WALL.
3. PROVIDE AT LEAST 70% CONTRAST BETWEEN CHARACTERS AND NON-GLARE BACKGROUND.
4. RAISED CHARACTERS ON SIGNS SHALL BE SELECTED FROM FONTS WHERE THE WIDTH OF THE UPPERCASE LETTER "O" IS 60% MINIMUM AND 110% MAXIMUM OF THE HEIGHT OF THE UPPERCASE LETTER "I."
5. STROKE THICKNESS OF THE UPPERCASE "I" SHALL BE 15% MAXIMUM OF THE HEIGHT OF THE CHARACTER.

ES - TACTILE EXIT SIGN — 3 — A9.1
3" = 1'-0"



ACCESSIBLE LOCKER BENCH — 12 — A9.1
3/4" = 1'-0"



NOTE:
BLUE BACKGROUND COLOR SHALL BE COLOR NO. 15090 IN FEDERAL STD. 595B

INTERNATIONAL SIGN OF ACCESSIBILITY SYMBOL — 4 — A9.1
N.T.S.

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AGENCY REVIEW

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP. 03-120009 INC. 02
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 12/12/2019

LITTLE™
DIVERSIFIED ARCHITECTURAL CONSULTING
1300 Dove Street, Suite 100
Newport Beach, CA. 92660
T: 949.698.1400
www.littleonline.com

CLIENT NAME
OXNARD UNION HIGH SCHOOL DISTRICT

PROJECT NAME
PACIFICA HIGH SCHOOL TRACK & FIELD IMPROVEMENTS - INC. 2
600 E. GONZALES RD, OXNARD, CA. 93036

CONSULTANT

SEAL
LICENSED ARCHITECT — KAY R. TITTEL — No. C-13035 — REG. 12/31/20 — STATE OF CALIFORNIA

ISSUE FOR
DSA SUBMITTAL

ISSUE DATE
12/02/19

REVISIONS

NO.	REASON	DATE

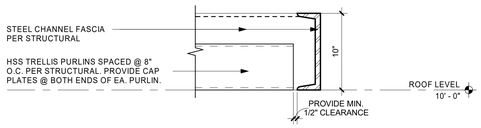
PROJECT TEAM
PRINCIPAL IN CHARGE
JT
PROJECT MANAGER
LEB
DESIGN TEAM
FM/RG/CL/TA

PROJECT NAME
PACIFICA HIGH SCHOOL TRACK & FIELD IMPROVEMENTS - INC. 2

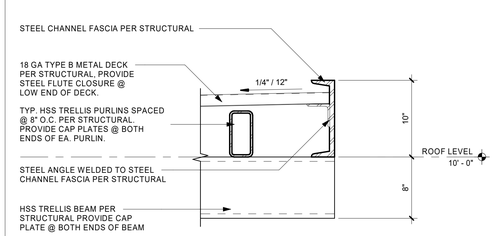
PROJECT NO.
612-123-5303

SHEET TITLE
ASSEMBLY TYPES, SIGNAGE AND INTERIOR DETAILS

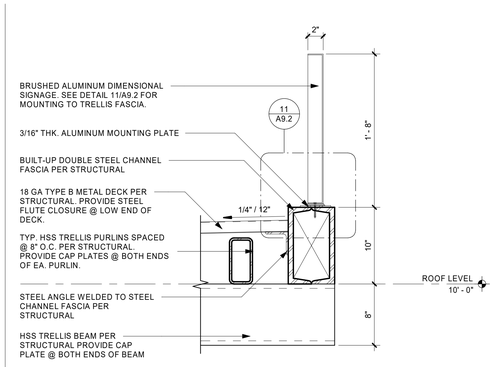
SHEET NUMBER
A9.1



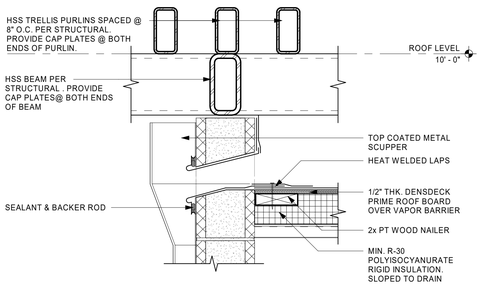
TYP. CHANNEL END FASCIA 9
1 1/2" = 1'-0" A9.2



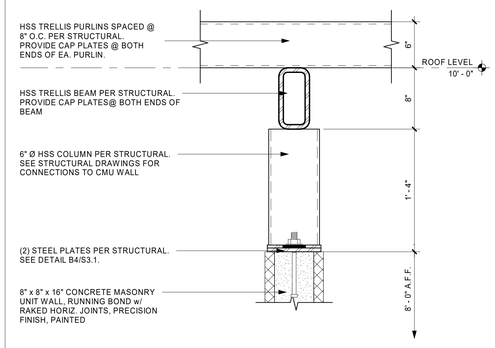
LONGITUDINAL CHANNEL FASCIA 5
1 1/2" = 1'-0" A9.2



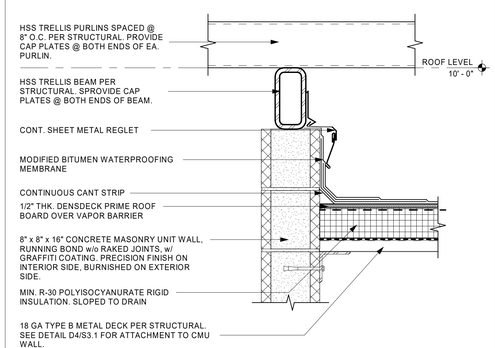
DOUBLE CHANNEL FASCIA AND DIMENSIONAL SIGNAGE 1
1 1/2" = 1'-0" A9.2



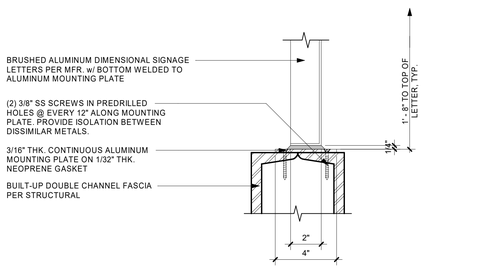
METAL SCUPPER @ CMU WALL 10
1 1/2" = 1'-0" A9.2



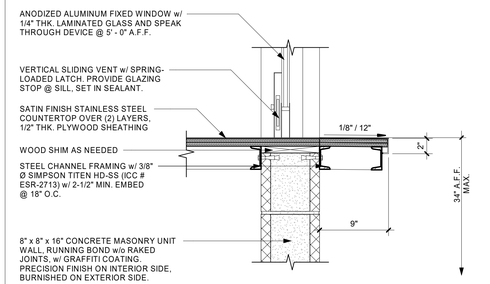
COLUMN/CMU END WALL CONNECTION 6
1 1/2" = 1'-0" A9.2



ROOF/CMU WALL CONNECTION 2
1 1/2" = 1'-0" A9.2

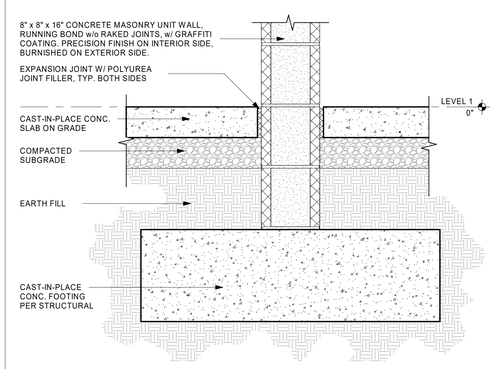


DIMENSIONAL SIGNAGE MOUNTING DETAIL 11
3" = 1'-0" A9.2



NOTE:
* ACCESSIBLE HANDLES MUST BE OPERABLE WITH ONE HAND AND NOT REQUIRE TIGHT PINCHING, GRASPING, TWISTING OF THE WRIST OR MORE THAN 5 LBS. OF FORCE TO OPERATE PER 2016 CBC SEC. 11B 309.4.

STAINLESS STEEL TICKET COUNTER 7
1 1/2" = 1'-0" A9.2



CMU WALL/CONC. SLAB CONNECTION 3
1 1/2" = 1'-0" A9.2

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AGENCY REVIEW

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP. 03-120009 INC. 02
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 12/12/2019

LITTLE
DIVERSIFIED ARCHITECTURAL CONSULTING
1300 Dove Street, Suite 100
Newport Beach, CA. 92660
T: 949.698.1400
www.littleonline.com

CLIENT NAME
OXNARD UNION HIGH SCHOOL DISTRICT

PROJECT NAME
PACIFICA HIGH SCHOOL TRACK & FIELD IMPROVEMENTS - INC. 2
600 E. GONZALES RD, OXNARD, CA. 93036

CONSULTANT

SEAL
LICENSED ARCHITECT
JAY R. TITTLE
No. C-23535
RENEW 08/31
STATE OF CALIFORNIA

ISSUE FOR
DSA SUBMITTAL

ISSUE DATE
12/02/19

REVISIONS

NO.	REASON	DATE

PROJECT TEAM
PRINCIPAL IN CHARGE
JT
PROJECT MANAGER
LEB
DESIGN TEAM
FM/RG/CL/TA

PROJECT NAME
PACIFICA HIGH SCHOOL TRACK & FIELD IMPROVEMENTS - INC. 2

PROJECT NO.
612-123-5303

SHEET TITLE
EXTERIOR DETAILS

SHEET NUMBER
A9.2

GENERAL CONDITIONS AND STATEMENTS

1. THESE NOTES SHALL APPLY UNLESS INDICATED OTHERWISE BY DRAWINGS OR SPECIFICATIONS. IN THE EVENT THAT CONFLICTS OCCUR BETWEEN THESE NOTES, DRAWINGS OR SPECIFICATIONS NOTIFY THE STRUCTURAL ENGINEER FOR RESOLUTION PRIOR TO PROCEEDING WITH THE WORK.
2. STRUCTURAL DRAWINGS INDICATE TYPICAL AND CERTAIN SPECIFIC CONDITIONS ONLY. SHOP DRAWINGS SHALL DETAIL ALL CONDITIONS IN ACCORDANCE WITH THE SPECIFIED STANDARDS AND THE SPECIFIC REQUIREMENTS OF THIS PROJECT.
3. SUBMIT SHOP DRAWINGS ON ALL STRUCTURAL MATERIALS FOR APPROVAL BEFORE FABRICATION. CONTRACTOR SHALL REVIEW AND APPROVE SHOP DRAWINGS PRIOR TO SUBMISSION.
4. THE STRUCTURE INDICATED BY THE DRAWINGS AND SPECIFICATIONS IS STRUCTURALLY STABLE ONLY IN ITS COMPLETED FORM. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR THE MEANS, METHODS, SEQUENCES AND OPERATIONS OF CONSTRUCTION AND SHALL PROVIDE TEMPORARY BRACING AS REQUIRED TO MAINTAIN THE STABILITY OF THE STRUCTURE DURING CONSTRUCTION.
5. ALL DETAILS, SECTIONS, AND NOTES INDICATED ON THE DRAWINGS SHALL APPLY AT ALL LOCATIONS WHERE CONDITIONS ARE SIMILAR TO THOSE INDICATED BY THE DETAIL, SECTION, OR NOTE.
6. CENTERLINES OF COLUMNS AND FOUNDATIONS SHALL COINCIDE WITH GRID LINE INTERSECTIONS UNLESS NOTED OTHERWISE.
7. CENTERLINES OF FLOOR AND ROOF FRAMING MEMBERS SHALL COINCIDE WITH GRID LINES UNLESS NOTED OTHERWISE.
8. EQUALLY SPACE FLOOR AND ROOF FRAMING MEMBERS BETWEEN GRID LINES UNLESS NOTED OTHERWISE.
9. USE ONLY DIMENSIONS INDICATED ON THE DRAWINGS. DO NOT SCALE THE DRAWINGS OR USE ANY DIMENSIONS TAKEN FROM ELECTRONIC DATA FILES.
10. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO COORDINATE THE STRUCTURAL WORK WITH CIVIL, ARCHITECTURAL, MECHANICAL, ELECTRICAL, AND PLUMBING DRAWINGS AND ALL OTHER RELEVANT TRADES. IN CASE OF CONFLICT BETWEEN STRUCTURAL WORK AND DRAWINGS RELATED TO OTHER TRADES THE CONTRACTOR SHALL MAKE IN THEIR BID SUCH ALLOWANCE FOR THE MORE SEVERE REQUIREMENTS. CONFLICTS BETWEEN THE STRUCTURAL WORK AND THE DRAWINGS OF OTHER TRADES SHALL NOT BE A REASON FOR ANY ADDITIONAL COST OR DELAY IN EXECUTION OF THE WORK.
11. THE CONTRACTOR SHALL NOTIFY THE ARCHITECT AND STRUCTURAL ENGINEER OF ANY DISCREPANCIES BETWEEN THE STRUCTURAL DOCUMENTS AND ANY OTHER DOCUMENTS OR EXISTING CONDITIONS FOR RESOLUTION PRIOR TO PROCEEDING WITH THE WORK.

ABBREVIATIONS

ADDL	ADDITIONAL	EL	ELEVATION	LLV	LONG LEG VERTICAL
ADH	ADHESIVE	ELEC	ELECTRICAL	LSH	LONG SIDE HORIZONTAL
AESS	ARCHITECTURALLY EXPOSED STRUCTURAL STEEL	ELEV	ELEVATOR	LSV	LONG SIDE VERTICAL
		EOD	EDGE OF DECK	LW	LIGHT WEIGHT
AFF	ABOVE FINISHED FLOOR	EOS	EDGE OF SLAB	MAX	MAXIMUM
ALT	ALTERNATE	EQ	EQUAL	MECH	MECHANICAL
ARCH	ARCHITECT	EQUIP	EQUIPMENT	MFR	MANUFACTURER
B/	BOTTOM OF	EW	EACH WAY	MIN	MINIMUM
BCB	BOTTOM CHORD BRACING	EXP	EXPANSION	MOW	MIDDLE OF WALL
BCX	BOTTOM CHORD EXTENSION	EXT	EXTERIOR	NTS	NOT TO SCALE
BFF	BELOW FINISHED FLOOR	EXIST; E	EXISTING	NW	NORMAL WEIGHT
BLDG	BUILDING	FFE	FINISHED FLOOR ELEVATION	OC	ON CENTER
BOTT	BOTTOM	FIN	FINISHED	OH	OPPOSITE HAND
BP	BASE PL	FLR	FLOOR	OPNG	OPENING
BRG	BEARING	FOB	FACE OF BRICK	PAF	POWDER/ POWER ACTUATED FASTENER
BTWN	BETWEEN	FOM	FACE OF MASONRY		
C/P	CAST IN PLACE	FOS	FACE OF STUD	PC	PRECAST or PILE CAP
CJ	CONTRACTION OR CONSTRUCTION JOINT	FRTW	FIRE RETARDANT TREATED WOOD	PJF	PRE-MOLDED JOINT FILLER
				PL	PLATE
CL	CENTERLINE	FTG	FOOTING	PLBG	PLUMBING
CLR	CLEAR	GA	GAGE	PT	PRESSURE TREATED or POST TENSIONED
CMU	CONCRETE MASONRY UNIT	GALV	GALVANIZED		
COL	COLUMN	GB	GRADE BEAM	QTY	QUANTITY
CONC	CONCRETE	GC	GENERAL CONTRACTOR	REINF	REINFORCEMENT
CONN	CONNECTION	GLB	GLULAM BEAM	REF	REFERENCE
CONT	CONTINUOUS	HD	HEADED	REQD	REQUIRED
COORD	COORDINATE	HORIZ; H	HORIZONTAL	SCHD	SCHEDULE
CTR	CENTER	INT	INTERIOR	SFRS	SEISMIC FORCE RESISTING SYSTEM
DBA	DEFORMED BAR ANCHOR	J/BE	JOIST BEARING ELEVATION		
DCJ	DOWELED CONSTRUCTION JOINT	JT	JOINT	SIM	SIMILAR
		K	KIPS	SOG	SLAB ON GRADE
DEFL	DEFLECTION	KLF; PLF	KIPS/POUNDS PER LINEAR FOOT	SPEC	SPECIFICATIONS
DEMO	DEMOLISH or DEMOLITION			STD	STANDARD
DIA; Ø	DIAMETER	KSI; PSI	KIPS/POUND PER SQUARE INCH	T/	TOP OF
DIM	DIMENSION			TYP	TYPICAL
DWG	DRAWING	KSF; PSF	KIPS/POUNDS PER SQUARE FOOT	UNO	UNLESS NOTED OTHERWISE
DWL	DOWEL			VERT; V	VERTICAL
EA	EACH	LB	POUND	VIF	VERFIY IN FIELD
EF	EACH FACE	LG	LONG	w/	WITH
EJ	EXPANSION JOINT	LLH	LONG LEG HORIZONTAL	WWF	WELDED WIRE FABRIC

DESIGN CRITERIA

DESIGN CODES

1.	BUILDING CODE	2016 CALIFORNIA BUILDING CODE
2.	DESIGN LOADS	ASCE 7-10 MINIMUM DESIGN LOADS FOR BUILDINGS AND OTHER STRUCTURES
3.	STEEL	AISC 360-10 SPECIFICATIONS FOR STRUCTURAL STEEL BUILDINGS
4.	CONCRETE	ACI 318-14 BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE
5.	CONCRETE MASONRY	ACI 530-13 BUILDING CODE REQUIREMENTS FOR MASONRY STRUCTURES

DESIGN LOADS

1.	BUILDING RISK CATEGORY	II	
2.	GATEWAY TRELLIS	SELF WEIGHT	
		SUPERIMPOSED DEAD LOAD	0 PSF
3.	ROOF DEAD LOAD (TICKET BOOTH)	ROOF MEMBRANE	1 PSF
		COVER BOARD	1 PSF
		METAL DECK	3 PSF
		STEEL	1.5 PSF
		SUSPENDED (LIGHTS)	.5 PSF
		TOTAL DEAD LOAD	7 PSF
4.	ROOF LIVE LOAD		20 PSF
5.	SEISMIC LOAD (TRELLIS ONLY)	Ie	1.0
		SITE CLASSIFICATION	D
		Ss	2.600
		Sds	1.733
		S1	0.961
		Sd1	0.961
		SEISMIC DESIGN CATEGORY	E
		SFRS (NS HOME)	SPECIAL REINF MASONRY WALLS; R=5
		SFRS (EW HOME)	ORDINARY CANTILEVERED COLUMN; R=1.25
		SFRS (EW HOME)	SPECIAL REINF MASONRY WALLS; R=5 (R=1.25 USED)
		SFRS (NS VISITOR)	ORDINARY CANTILEVERED COLUMN; R=1.25
		SFRS (NS VISITOR)	SPECIAL REINF MASONRY WALLS; R=5 (R=1.25 USED)
		SFRS (EW VISITOR)	SPECIAL REINF MASONRY WALLS; R=5
		SFRS (SCREEN WALL)	SELF SUPPORTING CANTILEVERED WALL
	ANALYSIS PROCEDURE	EQUIVALENT LATERAL FORCE	
		SEISMIC BASE SHEAR NS (HOME)	11 KIPS
		SEISMIC BASE SHEAR EW (HOME)	45 KIPS
		SEISMIC BASE SHEAR NS (VISITOR)	36 KIPS
		SEISMIC BASE SHEAR EW (VISITOR)	9 KIPS
6.	WIND LOAD (TRELLIS ONLY)	WIND SPEED	110 MPH
		EXPOSURE	C
		Iw	1.0
		WIND BASE SHEAR NS (HOME GATEWAY)	6 KIPS
		WIND BASE SHEAR EW (HOME GATEWAY)	21 KIPS
		WIND BASE SHEAR NS (VISITOR GATEWAY)	8 KIPS
		WIND BASE SHEAR EW (VISITOR GATEWAY)	17 KIPS

SOIL AND SUBSURFACE CONDITIONS

1. SOIL BEARING CAPACITY SHALL BE VERIFIED BY PROJECT STATE GEOTECHNICAL ENGINEER.
2. THE FOUNDATION HAS BEEN DESIGNED IN ACCORDANCE WITH THE REPORT OF GEOTECHNICAL EXPLORATION PREPARED BY EARTH SYSTEMS PACIFIC PROJECT NO. 303279-001 DATED 8/26/2019 W/ SUPPLEMENT DATED 8/27/2019.
3. SEE GEOTECHNICAL REPORT FOR ADDITIONAL REQUIREMENTS AND INFORMATION.
4. THE FOUNDATIONS HAVE BEEN DESIGNED BASED ON THE FOLLOWING DESIGN VALUES FROM THE GEOTECHNICAL REPORT:
   SPREAD FOOTING BEARING PRESSURE 1,600 PSF
   CONTINUOUS FOOTING BEARING PRESSURE 1,300 PSF
5. THE CONTRACTOR SHALL VERIFY WITH THE GEOTECHNICAL ENGINEER THAT THE FOLLOWING ARE IN CONFORMANCE WITH THE RECOMMENDATIONS OF THE GEOTECHNICAL REPORT:
   A. THE BEARING STRATUM AT EACH FOUNDATION IS AS ASSUMED IN THE REPORT
   B. THE ALLOWABLE BEARING PRESSURE MEETS OR EXCEEDS THE REQUIRED VALUE
   C. ENGINEERED FILL IS INSTALLED IN ACCORDANCE WITH THE REQUIREMENTS OF THE REPORT.
   D. THE INSTALLATION OF THE FOUNDATION IS AS ASSUMED IN THE REPORT.
6. SOIL WITHIN 5'-0" OF NEW BUILDINGS AND WITHIN 3'-0" OF FOOTINGS MUST BE OVER EXCAVATED TO A DEPTH OF 4'-6" BELOW FINISH GRADE. THE RESULTING SURFACE SHOULD BE SCARIFIED AN ADDITIONAL 6" MOISTURE CONDITIONED, AND RECOMPACTED TO ATLEAST 90% OF THE MAXIMUM DRY DENSITY.
7. ALL FILL MATERIALS SHALL BE APPROVED BY THE GEOTECHNICAL ENGINEER.
8. FOOTING BEARING ELEVATIONS SHALL BE ADJUSTED AT TIME OF EXCAVATION TO ACHIEVE THE REQUIRED BEARING CAPACITY IF SO REQUIRED.
9. BACKFILLING OF RETAINING WALLS SHALL BE PLACED SO THAT EQUAL LOADING SHALL BE MAINTAINED ON EACH SIDE OF WALL UNTIL THE LOWER GRADE IS REACHED.
10. PROVIDE POSITIVE DRAINAGE AWAY FROM BUILDING FOUNDATIONS BOTH DURING CONSTRUCTION AND PERMANENTLY.
11. MAINTAIN STABILITY OF EXCAVATIONS UNTIL PROPERLY BACKFILLED. KEEP EXCAVATIONS FREE OF LOOSE MATERIAL. DEWATER EXCAVATIONS AND REMOVE ANY WET MATERIAL PRIOR TO PLACING CONCRETE.
12. PLACE A 3" THICKNESS "MUDMAT" OF CONCRETE IN THE BOTTOM OF FOOTINGS THAT WILL BE EXPOSED TO RAIN OR LEFT OPEN OVER NIGHT.
13. HEAVY EQUIPMENT USED FOR PLACING OR COMPACTING BACKFILL SHALL NOT BE OPERATED WITHIN A DISTANCE EQUAL TO THE HEIGHT OF THE BACKFILL ABOVE THE TOP OF FOOTING, (1 HORIZONTAL TO 1 VERTICAL). HAND OPERATED COMPACTION EQUIPMENT SHALL BE USED FOR COMPACTION OPERATIONS IN THIS AREA.
14. GRADE SHALL BE SUCH THAT THE THICKNESS OF ANY FOUNDATION OR SLAB ON GRADE IS NOT REDUCED BY MORE THAN 5% OF THAT INDICATED.
15. EXCAVATION BRACING SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. EXCAVATION BRACING SHALL BE DESIGNED FOR LATERAL LOADING RESULTING FROM AN EQUIVALENT FLUID PRESSURE OF 60 PCF AND A SURFACE SURCHARGE OF 250 PSF.

CAST IN PLACE STRUCTURAL CONCRETE

1. SUBMIT MIX DESIGNS FOR EACH TYPE OF CONCRETE SPECIFIED.
2. SUBMIT DATA FOR ALL ADMIXTURES, CURING COMPOUNDS AND HARDENERS THAT ARE INTENDED FOR USE.
3. TESTING LABORATORY SHALL SAMPLE AND TEST CONCRETE AS FOLLOWS:
   TAKE SAMPLES IN ACCORDANCE WITH ASTM C31. SAMPLE 4 CYLINDERS FOR EACH 100 CUBIC YARDS, 5000 SF OF SURFACE AREA OR FOR EACH PLACEMENT OF EACH TYPE OF CONCRETE PLACED IN ANY ONE DAY.
   TEST WHEN SAMPLES ARE TAKEN FOR AIR CONTENT AND SLUMP IN ACCORDANCE WITH ASTM C143.
   TEST CYLINDERS FOR COMPRESSIVE STRENGTH IN ACCORDANCE WITH ASTM C39.
   TEST 1 CYLINDER AT 7 DAYS
   TEST 2 CYLINDERS AT 28 DAYS
   HOLD ONE CYLINDER IN RESERVE AND BREAK AT 56 DAYS IF THE 28 DAY CYLINDERS DO NOT SATISFY ACI CRITERIA FOR THE SPECIFIED STRENGTH.
   TEST REPORTS SHALL BE SENT TO THE STRUCTURAL ENGINEER AND SHALL BE AVAILABLE AT THE JOBSITE
4. CONCRETE SHALL HAVE THE MINIMUM 28 DAY COMPRESSIVE STRENGTH AND WEIGHTS:

LOCATION	28 DAY STRENGTH	UNIT WEIGHT
FOUNDATIONS AND SLAB ON GRADE	4,500 PSI	145 PCF

5. CONCRETE WORK SHALL CONFORM TO ACI 318.
6. REINFORCING BARS SHALL CONFORM TO ASTM A615 GRADE 60.
7. REINFORCING BARS TO BE WELDED SHALL CONFORM TO ASTM A706 GRADE 60.
8. WELDED WIRE FABRIC SHALL CONFORM TO ASTM A82 AND A185. PROVIDE MATERIAL IN SHEETS. LAP ALL WELDED WIRE FABRIC ONE FULL SQUARE PLUS 2" AT ALL SHEET EDGES.
9. SLAB ON GRADE DOWELS SHALL BE SMOOTH RODS CONFORMING TO ASTM A36 WITH ENDS SMOOTH CUT.
10. REINFORCING BAR SUPPORT DEVICES SHALL CONFORM TO CRSI MANUAL OF STANDARD PRACTICE.
11. CONCRETE CLEAR COVER ON EMBEDDED REINFORCING SHALL BE AS FOLLOWS:

LOCATION	BAR SIZE	MINIMUM CLEAR COVER
FOOTINGS	ALL	3" BOTTOM AND SIDES, 2" TOP
CONCRETE EXPOSED TO EARTH OR WEATHER	#5 AND SMALLER	1 1/2"
	#6 THROUGH #18	2"
CONCRETE NOT EXPOSED TO EARTH OR WEATHER SLABS, WALLS AND JOISTS	#11 AND SMALLER	3/4"
	#14 AND #18	1 1/2"

12. ALL CONTINUOUS BARS SHALL HAVE A CLASS B TENSION LAP SPLICE AT ALL SPLICES UNO. PROVIDE CORNER BARS FOR ALL CONTINUOUS BARS AT ALL FOUNDATION AND WALL CORNERS AND INTERSECTIONS. LAP CORNER BARS 48 BAR DIAMETERS EACH END.
13. PROVIDE DOWELS TO FOOTINGS TO MATCH ALL WALL, PIER AND COLUMN VERTICAL REINFORCING UNO. EMBED DOWELS IN FOOTING WITH HOOK TO WITHIN 3" OF BOTTOM OF FOOTING. EXTEND DOWELS ABOVE FOOTING FOR 48 BAR DIAMETER LAP SPLICE WITH VERTICAL REINFORCING UNO.
14. CONSTRUCTION OR CONTRACTION JOINTS SHALL BE INSTALLED IN SLABS ON GRADE AT A SPACING NOT TO EXCEED 12'-0" OC EACH DIRECTION UNO ON FOUNDATION PLAN. ASPECT RATIO OF SLAB AREAS BETWEEN JOINTS (RATIO OF LONG SIDE TO SHORT SIDE) SHALL NOT EXCEED 1.5. SAW CUT JOINTS SHALL BE MADE AS SOON AS SLABS WILL SUPPORT MEN AND EQUIPMENT. EMBEDDED EDGE ANGLES SHALL BE DISCONTINUOUS AT SLAB JOINT LOCATIONS.
15. CONSTRUCTION AND CONTRACTION JOINTS IN WALLS SHALL BE LOCATED AT 25'-0" OC MAXIMUM AND 25'-0" MAXIMUM FROM WALL CORNERS. ALIGN JOINTS IN WALLS WITH JOINTS IN SLABS AT LOCATIONS WHERE SLABS ARE CONNECTED TO WALLS.
16. CONFORM TO ACI 306 FOR COLD WEATHER CONCRETE AND ACI 305 FOR HOT WEATHER CONCRETE WORK WHEN ANY COMBINATION OF TEMPERATURE, HUMIDITY OR WIND SPEED RESULTS IN CONDITIONS THAT WOULD IMPAIR THE QUALITY OF CONCRETE. CONCRETE IS TO BE REJECTED IF ITS TEMPERATURE AT TIME OF PLACEMENT IS 90 DEGREES F OR ABOVE.
17. CHAMFER ALL EXPOSED CONCRETE EDGES 3/4" UNO. SEE ARCHITECTURAL DRAWINGS FOR DETAILS.
18. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING ALL EMBEDDED ITEMS IN CONCRETE WORK. COORDINATE WITH THE FOLLOWING: CIVIL, ARCHITECTURAL, MECHANICAL, ELECTRICAL AND PLUMBING DRAWINGS, PRECAST SHOP DRAWINGS, MECHANICAL, ELECTRICAL AND PLUMBING EQUIPMENT AND FIXTURE REQUIREMENTS

CONCRETE MASONRY

1. UNO HOLLOW MASONRY UNITS SHALL CONFORM TO ASTM C90, MEDIUM-WEIGHT, WITH A MINIMUM COMPRESSIVE STRENGTH F'm = 2,000 PSI ON THE NET BLOCK AREA.
2. MORTAR SHALL CONFORM TO ASTM C270 CEMENT-LIME TYPE M OR S. MINIMUM COMPRESSIVE STRENGTH TO BE 2,000 PSI.
3. COURSE MASONRY GROUT SHALL CONFORM TO ASTM C476 WITH MAXIMUM AGGREGATE SIZE OF 3/8". MINIMUM COMPRESSIVE STRENGTH SHALL BE 2,000 PSI AT 28 DAYS. PROVIDE CLEAN OUT OPENINGS WHERE GROUT POUR EXCEEDS 5'-0".
   A. CONCRETE MASONRY QUALITY CONTROL:
      a. WORK IN PROGRESS SHALL BE INSPECTED FOR CONFORMANCE WITH SPECIFIED MATERIALS AND THAT WORKMANSHIP AND CONSTRUCTION IS IN COMPLIANCE WITH PLANS, SPECIFICATIONS AND INDUSTRY STANDARDS.
      b. MORTAR: INSPECT PROPORTIONING OF MORTARS IN ACCORDANCE WITH ASTM C780. VERIFY ALL MATERIALS ARE AS APPROVED FOR THE PROJECT.
      c. GROUT:TEST 3"x3" PRISMS IN ACCORDANCE WITH ASTM C1019. TEST (2) PRISMS FOR EACH 30 CUBIC YARDS OR FRACTION THEREOF PLACED EACH DAY AND WHEN MIX PROPORTIONS ARE CHANGED.
4. PROVIDE DOWELS TO MATCH VERTICAL BARS AT THE BASE OF ALL WALLS. LAP 52 BAR DIAMETERS MINIMUM WITH VERTICAL BARS UNO.
5. MASONRY DESIGN BASED ON LRFD, UNO

STRUCTURAL STEEL

1. STRUCTURAL STEEL CONSTRUCTION DETAILING, FABRICATION AND ERECTION SHALL CONFORM TO THE AISC "SPECIFICATION FOR STRUCTURAL STEEL BUILDINGS".
   A. STRUCTURAL STEEL MEMBERS SHALL CONFORM TO THE FOLLOWING STANDARDS:

WIDE FLANGE SHAPES	ASTM A992
ANGLE, CHANNELS AND PLATES	ASTM A36
ANCHOR RODS <= 3/4"Ø	ASTM F1554 GRADE 36
ROUND HSS	ASTM A500 GRADE B, 42 ksi
RECTANGULAR HSS	ASTM A500 GRADE B, 46 ksi
HEADED STUDS	ASTM A108, GRADE 1015-1020

2. STEEL EXPOSED TO WEATHER
   A. SEE ARCH FOR STEEL FINISH.
   B. ALL STEEL EXPOSED TO WEATHER TO BE PROTECTED BY HIGH PERFORMANCE EXTERIOR PAINT UNO.
   C. GC COORD PAINT SYSTEM AND SHOP PRIMER WITH FABRICATOR.
   D. REFERENCE 05 12 13 - ARCHITECTURALLY-EXPOSED STRUCTURAL STEEL FRAMING, 09 91 13 - EXTERIOR PAINTING, AND 09 96 00 - HIGH-PERFORMANCE COATING FOR ADDITIONAL INFORMATION.
3. SPLICING OF STRUCTURAL STEEL MEMBERS IS PROHIBITED WITHOUT PRIOR WRITTEN APPROVAL OF THE ENGINEER FOR THE LOCATION AND TYPE OF SPLICE.
4. CAMBER BEAMS WHERE INDICATED. WHERE NO CAMBER IS INDICATED, BEAMS SHALL BE FABRICATED SO THAT AFTER ERECTION, ANY NATURAL CAMBER IS UPWARD.
5. ALL COPES, HOLES, OPENINGS AND MODIFICATIONS REQUIRED IN STRUCTURAL STEEL MEMBERS FOR ERECTION OR THE WORK OF OTHER TRADES SHALL BE INDICATED ON THE SHOP DRAWINGS AT TIME OF SUBMITTAL FOR REVIEW.
6. FIELD MODIFICATION OF STRUCTURAL STEEL IS PROHIBITED WITHOUT PRIOR WRITTEN APPROVAL OF THE STRUCTURAL ENGINEER OF RECORD.
7. SHOP DRAWINGS SHALL BE SUBMITTED FOR ALL STRUCTURAL STEEL AND SHALL INDICATE COMPLETE CONNECTION INFORMATION, BOTH SHOP AND FIELD.
8. FILL SOLID WITH NON-SHRINK GROUT UNDER ALL BASE AND BEARING PLATES.
9. CONNECTION NOTES:
   A. CONNECTION MATERIALS SHALL CONFORM TO THE FOLLOWING STANDARDS AND MATERIAL PROPERTIES:

ANGLES	ASTM A36
PLATES	ASTM A36
BOLTS	ASTM A325 OR ASTM A490
NUTS	ASTM A563
WASHERS	ASTM F436
WELDING ELECTRODES	E70XX

   B. BOLTED CONNECTIONS SHALL CONFORM TO THE PROVISIONS OF THE RESEARCH COUNCIL ON STRUCTURAL CONNECTIONS "SPECIFICATION FOR STRUCTURAL JOINTS USING ASTM A325 OR A490 BOLTS".
   C. WELDED CONNECTIONS SHALL BE MADE WITH CONTINUOUS FILLET WELDS UNO. MINIMUM WELD SIZE SHALL BE 1/4" OR AS REQUIRED BY AISC SPECIFICATION, WHICHEVER IS LARGER. MINIMUM WELD LENGTH SHALL BE 2".
   D. ALL WELDS SHALL BE MADE BY CERTIFIED WELDERS.

ARCHITECTURALLY EXPOSED STRUCTURAL STEEL (AESS)

1. STRUCTURAL STEEL NOTED AS AESS ON THE STRUCTURAL DRAWINGS SHALL BE CLASSIFIED AS AESS 3 UNLESS OTHERWISE SPECIFIED. FABRICATION, AND ERECTION TOLERANCES TO BE HELD AT HALF THOSE INDICATED IN CODE OF STANDARD PRACTICE.
2. FABRICATION OF AESS SHALL HAVE WELDS GROUND SMOOTH, MILL MARKS REMOVED, AND PIECE MARKS HIDDEN. SURFACE PREPARATION SHALL CONFORM TO SSPCSP-3 POWER TOOL CLEANING.
3. UNLESS NOTED OTHERWISE IN THE SPECIFICATIONS, FIELD WELDS EXPOSED TO VIEW SHALL BE MADE CONTINUOUS AND GROUND SMOOTH WITH BACKING BARS AND RUNOFF TABS REMOVED.

METAL ROOF DECK

1. THE DESIGN, MANUFACTURE AND ERECTION OF STEEL ROOF DECK AND ITS ANCHORAGE SHALL BE IN ACCORDANCE WITH THE ANSI/SDI "STANDARD FOR STEEL ROOF DECK".
2. SEE ESR 1735P FOR VERCO DECK EVALUATION REPORT.
3. ALL METAL DECKS TO BE HOT DIPPED GALVANIZED
4. PROVIDE ROOF DECK OF TYPE, DEPTH AND MINIMUM THICKNESS INDICATED.
5. INSTALL ROOF DECK WITH A MINIMUM END BEARING LENGTH OF 1 1/2".
6. ROOF DECK SHALL BE FASTENED TO SUPPORTS AS INDICATED ON THE DRAWINGS. FASTEN TO SUPPORTS AT DECK PERIMETER WITH A MINIMUM OF 5/8" DIAMETER WELDS SPACED AT 6" OC.

POST-INSTALLED ANCHORS - TESTING NOTES & FREQUENCY

1. IF ANY ANCHOR FAILS TESTING, ALL ANCHORS OF THE SAME TYPE SHALL BE TESTED, WHICH ARE INSTALLED BY THE SAME TRADE, NOT PREVIOUSLY TESTED UNTIL TWENTY CONSECTIVE ANCHORS PASS, THEN RESUME THE INITIAL TEST FREQUENCY.
2. ALL POST INSTALLED ANCHORS SHALL BE TENSION TESTED UNO. TORQUE-CONTROLLED POST-INSTALED ANCHORS AND SCREW TYPE ANCHORS SHALL BE PERMITTED TO BE TESTED USING TORQUE BASED ON AN APPROVED TEST REPORT USING CRITERIA LISTED HERE.
3. ALL POST INSTALLED ANCHORS USED FOR STRUCTURAL APPLICATIONS SHALL BE TESTED UNLESS A LESSER FREQUENCY IS NOTED BELOW.
4. 10% OF POST INSTALLED ANCHORS USED FOR SILL PLATE AND BOTTOM TRACK BOLTING APPLICATIONS SHALL BE TESTED.
5. 50% OF POST INSTALLED EQUIPMENT ANCHORAGE BOLTS SHALL BE TESTED.
6. 25% OF REBAR DOWELED THROUGH COLD JOINTS (ANCHORS TO BE CHOSEN AT RANDOM BY IOR).

POST-INSTALLED ANCHORS - TESTING LOADS & CRITERIA

1. 200% OF THE MAXIMUM ALLOWABLE TENSION LOAD OR 125% OF THE MAXIMUM DESIGN STRENGTH OF ANCHORS AS PROVIDED IN AN APPROVED EVALUATION REPORT. NOTE TESTING LOAD NEED NOT EXCEED 80% THE NOMINAL YIELD STRENGTH OF THE ANCHOR (0.8*Ase*Fya).
2. THE MANUFACTURER'S RECOMMENDED INSTALLATION TORQUE BASED ON AN APPROVED EVALUATION REPORT.
3. HYDRAULIC RAM METHOD: ANCHORS TESTED WITH A HYDRAULIC JACK OR SPRING LOADED APPARATUS SHALL MAINTAIN THE TEST LOAD FOR A MINIMUM OF 15 SECONDS AND SHALL EXHIBIT NO DISCERNIBLE MOVEMENT DURING THE TENSION TEST.
4. FOR ADHESIVE ANCHORS, WHERE OTHER THAN BOND IS BEING TESTED, THE TESTING APPARATUS SUPPORT SHALL NOT BE LOCATED WITHIN 1.5 TIMES THE ANCHOR'S EMBEDMENT DEPTH TO AVOID RESTRICTING THE CONCRETE SHEAR CONE TYPE FAILURE MECHANISM FROM OCCURING.
5. TORQUE WRENCH METHOD: TORQUE CONTROLLED POST-INSTALLED ANCHORS TESTED WITH A CALIBRATED TORQUE WRENCH SHALL ATTAIN THE SPECIFIED TORQUE WITHIN 1/4 TURN OF THE NUT AFTER INITIAL SEATING OF THE SCREW HEAD.
6. SEE SECTIONS FOR TESTING LOADS.

AGENCY REVIEW

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APP. 03-120009 INC: 02
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DATE: 12/12/2019

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CLIENT NAME
OXNARD UNION HIGH SCHOOL DISTRICT

PROJECT NAME
PACIFICA HIGH SCHOOL TRACK & FIELD IMPROVEMENTS - INC 2
600 E. GONZALES RD, OXNARD, CA. 93036

CONSULTANT
REGISTERED PROFESSIONAL ENGINEER BRYAN T. STARR No. S5076 Exp: 6/30/21 STRUCTURAL STATE OF CALIFORNIA
12/2/2019

SEAL
LICENSED ARCHITECT TAYLOR R. TITUS No. C-31805 REN: 08/31/21 STATE OF CALIFORNIA

ISSUE FOR
DSA SUBMITTAL

ISSUE DATE
12/2/2019

REVISIONS

NO.	REASON	DATE

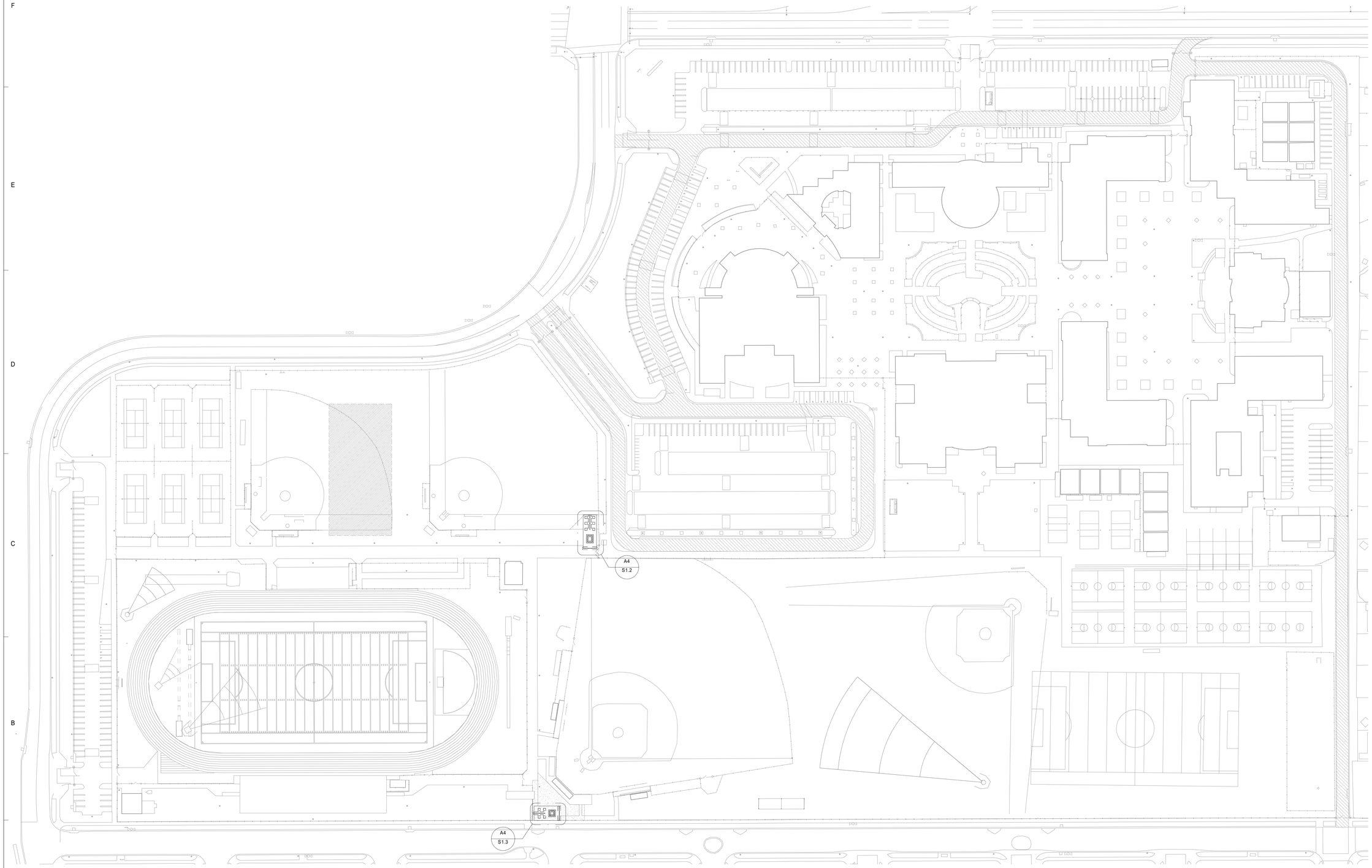
PROJECT TEAM
PRINCIPAL IN CHARGE
Bryan Starr, SE
PROJECT MANAGER
Bryan Starr, SE
DESIGN TEAM
BS/EC

PROJECT NAME
PACIFICA HIGH SCHOOL TRACK & FIELD IMPROVEMENTS - INC 2

PROJECT NO.
612-12353-03

SHEET TITLE
GENERAL NOTES

SHEET NUMBER
S0.1



A1
S1.1
OVERALL SITE PLAN
1" = 60'-0"

N

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STRUCTURAL
STATE OF CALIFORNIA

12/2/2019

SEAL

LICENSED ARCHITECT
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No. C-31925
REN. 11-30-21
STATE OF CALIFORNIA

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PROJECT NO.
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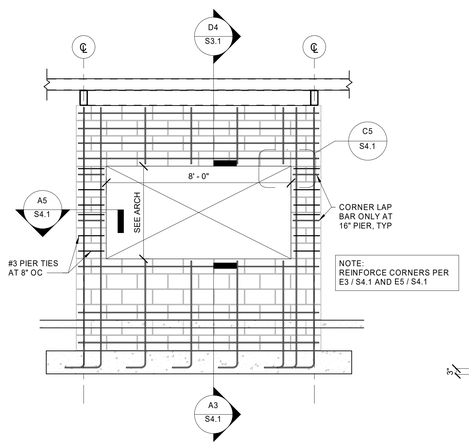
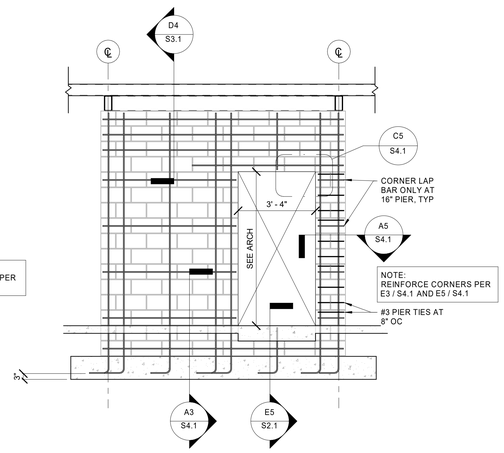
SHEET TITLE
OVERALL SITE PLAN

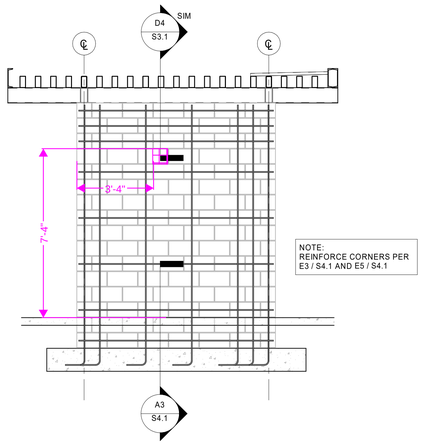
SHEET NUMBER
S1.1



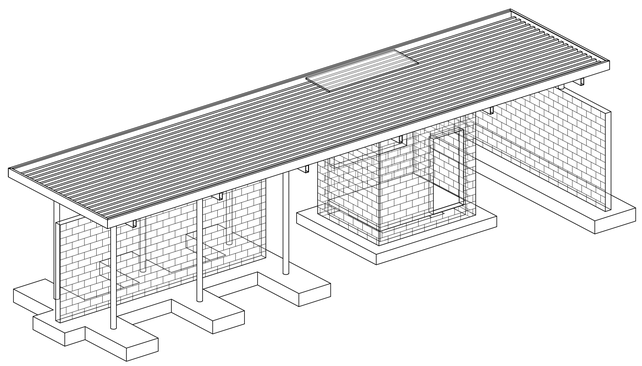
E1 TICKET BOOTH - FRONT ELEVATION
S1.2 3/8" = 1'-0"



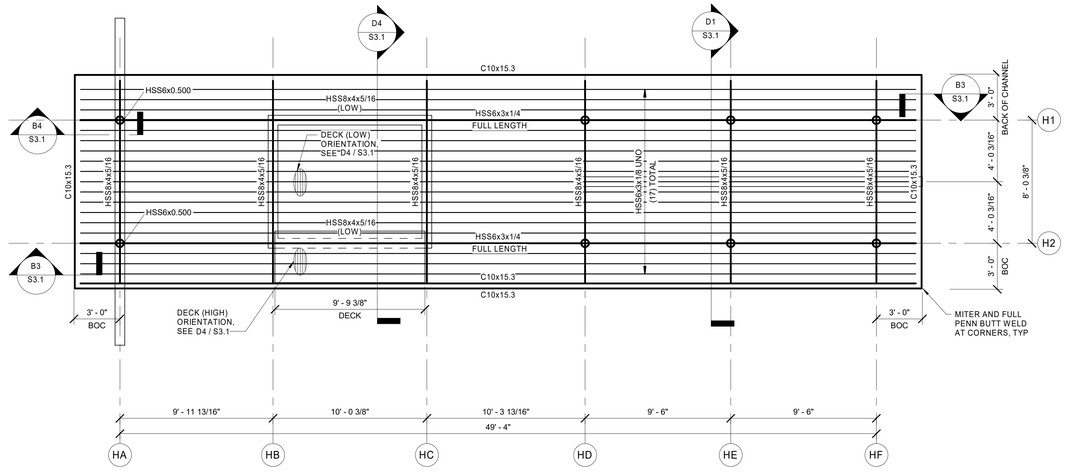
E2 TICKET BOOTH - BACK ELEVATION
S1.2 3/8" = 1'-0"



C1 TICKET BOOTH - SIDE ELEVATION
S1.2 3/8" = 1'-0"



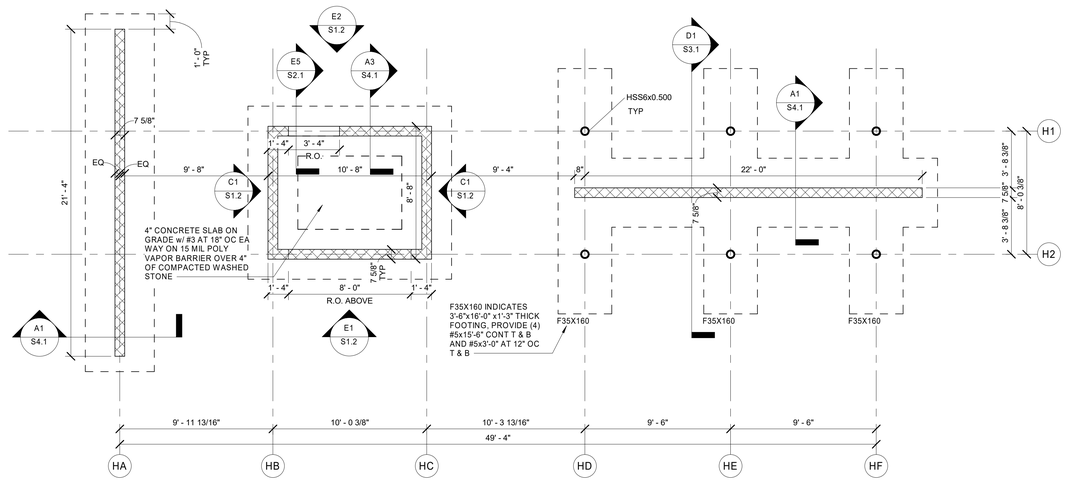
A1 ISOPARAMETRIC VIEW - HOME GATEWAY - FOR INFORMATION ONLY
S1.2



D4 FRAMING PLAN - HOME GATEWAY
S1.2 1/4" = 1'-0"

N

FRAMING NOTES:
1. SEE S0.1 FOR GENERAL NOTES AND ABBREVIATIONS.
2. ALL ELEVATIONS REFERENCED FROM FFE (0'-0")
3. SEE S3.1 FOR TYPICAL ROOF FRAMING DETAILS.
4. SEE S4.1 FOR TYPICAL MASONRY DETAILS.
5. ALL EXPOSED STEEL TO BE FINISHED TO AESS3.
6. ALL EXPOSED STEEL TO BE PAINTED UNO, COORD W/ ARCH AND DETAILS.



A4 FOUNDATION PLAN - HOME GATEWAY
S1.2 1/4" = 1'-0"

N

FOUNDATION NOTES:
1. SEE S0.1 FOR GENERAL NOTES AND ABBREVIATIONS.
2. SEE CIVIL FOR FINISHED FLOOR ELEVATION AND LOCATION OF STRUCTURES. REFERENCE ELEVATION 0'-0", DATUM.
   TOP OF FOOTING 1'-4" BELOW FINISHED FLOOR ELEVATION, UNO. <No> INDICATES TOP OF FOOTING ELEVATION, SEE PLAN.
3. -05—— INDICATES STEP IN WALL FOOTING, SEE D1/S2.1, DETAIL MAY BE USED AS REQUIRED IN FIELD.
4. SEE S2.1 FOR TYPICAL SLAB CONSTRUCTION DETAILS.
5. SEE S2.1 FOR TYPICAL REBAR LAP AND BEND REQUIREMENTS.
6. SEE S4.1 FOR TYPICAL MASONRY CONSTRUCTION DETAILS AND REQUIREMENTS AT OPENINGS.
7. SOIL WITHIN 5'-0" OF NEW BUILDINGS AND WITHIN 3'-0" OF FOOTINGS MUST BE OVER EXCAVATED TO A DEPTH OF 4'-6" BELOW FINISH GRADE. THE RESULTING SURFACE SHOULD BE SCARIFIED AN ADDITIONAL 6" MOISTURE CONDITIONED, AND RECOMPACTED TO ATLEAST 90% OF THE MAXIMUM DRY DENSITY.

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STATE OF CALIFORNIA
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SEAL
LICENSED ARCHITECT
JAY R. TITTLE
NO. C-29021
RENEWAL 08-31-21
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Bryan Starr, SE
PROJECT MANAGER
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DESIGN TEAM
BS/EC

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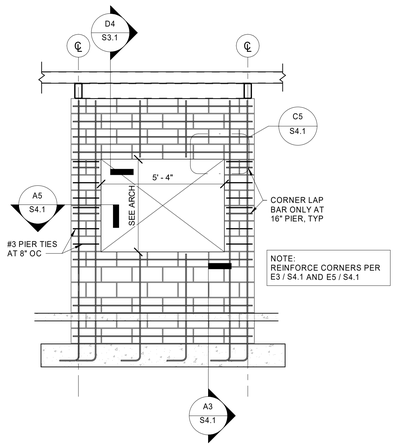
PACIFICA HIGH SCHOOL
TRACK & FIELD
IMPROVEMENTS - INC 2

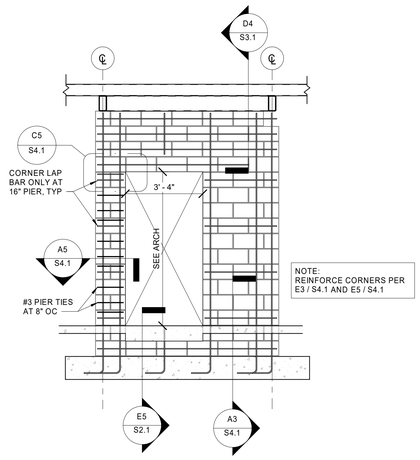
PROJECT NO.
612-12353-03

SHEET TITLE
GATEWAY PLANS AND ELEVATIONS - HOME GATEWAY

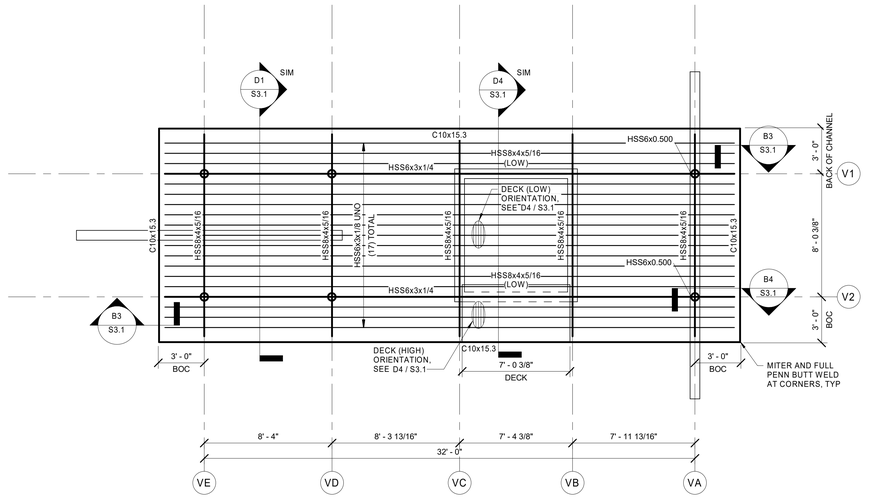
SHEET NUMBER
S1.2



E1 TICKET BOOTH - FRONT ELEVATION
S1.3 3/8" = 1'-0"



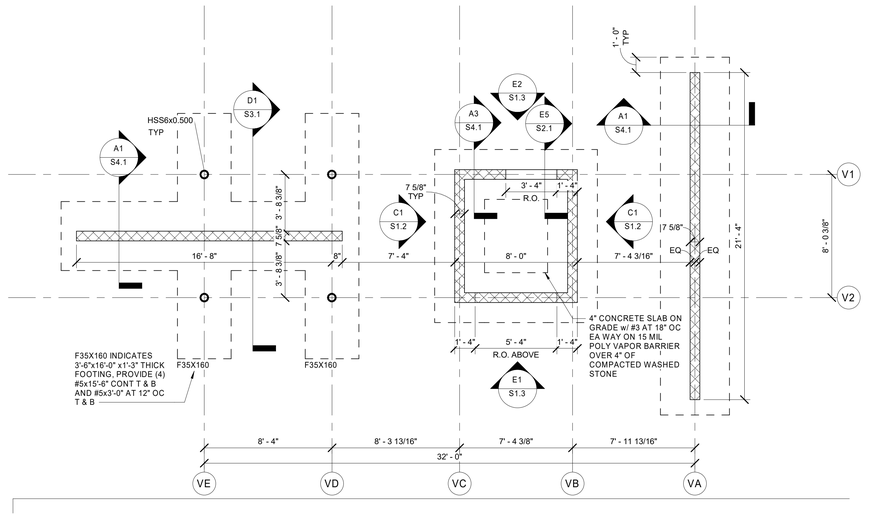
E2 TICKET BOOTH - BACK ELEVATION
S1.3 3/8" = 1'-0"



D4 FRAMING PLAN - VISITOR GATEWAY
S1.3 1/4" = 1'-0"

FRAMING NOTES:
1. SEE S0.1 FOR GENERAL NOTES AND ABBREVIATIONS.
2. ALL ELEVATIONS REFERENCED FROM FFE (0'-0")
3. SEE S3.1 FOR TYPICAL ROOF FRAMING DETAILS.
4. SEE S4.1 FOR TYPICAL MASONRY DETAILS.
5. ALL EXPOSED STEEL TO BE FINISHED TO AESS3.
6. ALL EXPOSED STEEL TO BE PAINTED UNO, COORD W/ ARCH AND DETAILS.

1 ISOPARAMETRIC VIEW - VISITOR GATEWAY - FOR INFORMATION ONLY
S1.3



A4 FOUNDATION PLAN - VISITOR GATEWAY
S1.3 1/4" = 1'-0"

FOUNDATION NOTES:
1. SEE S0.1 FOR GENERAL NOTES AND ABBREVIATIONS.
2. SEE CIVIL FOR FINISHED FLOOR ELEVATION AND LOCATION OF STRUCTURES. REFERENCE ELEVATION 0'-0", DATUM.
   TOP OF FOOTING 1'-4" BELOW FINISHED FLOOR ELEVATION, UNO. <No> INDICATES TOP OF FOOTING ELEVATION, SEE PLAN.
3. -o------ INDICATES STEP IN WALL FOOTING, SEE D1/S2.1, DETAIL MAY BE USED AS REQUIRED IN FIELD.
4. SEE S2.1 FOR TYPICAL SLAB CONSTRUCTION DETAILS.
5. SEE S2.1 FOR TYPICAL REBAR LAP AND BEND REQUIREMENTS.
6. SEE S4.1 FOR TYPICAL MASONRY CONSTRUCTION DETAILS AND REQUIREMENTS AT OPENINGS.
7. SOIL WITHIN 5'-0" OF NEW BUILDINGS AND WITHIN 3'-0" OF FOOTINGS MUST BE OVER EXCAVATED TO A DEPTH OF 4'-6" BELOW FINISH GRADE. THE RESULTING SURFACE SHOULD BE SCARIFIED AN ADDITIONAL 6" MOISTURE CONDITIONED, AND RECOMPACTED TO ATLEAST 90% OF THE MAXIMUM DRY DENSITY.

AGENCY REVIEW

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP. 03-120009 INC. 02
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 12/12/2019

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CLIENT NAME
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PROJECT NAME
PACIFICA HIGH SCHOOL TRACK & FIELD IMPROVEMENTS - INC 2
600 E. GONZALES RD, OXNARD, CA. 93036

CONSULTANT
REGISTERED PROFESSIONAL ENGINEER BRYAN T. STARR No. S5076 Exp: 6/30/21 STRUCTURAL STATE OF CALIFORNIA
12/2/2019

SEAL
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ISSUE FOR
DSA SUBMITTAL

ISSUE DATE
12/2/2019

REVISIONS

NO.	REASON	DATE

PROJECT TEAM
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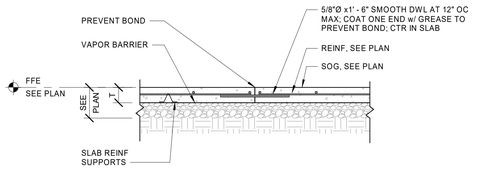
PROJECT MANAGER
Bryan Starr, SE
DESIGN TEAM
BS/EC

PROJECT NAME
PACIFICA HIGH SCHOOL
TRACK & FIELD
IMPROVEMENTS - INC 2

PROJECT NO.
612-12353-03

SHEET TITLE
GATEWAY PLANS AND ELEVATIONS - GATEWAY #2

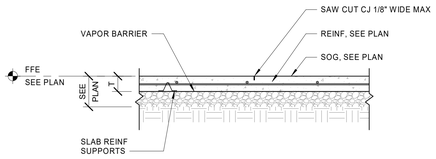
SHEET NUMBER
S1.3



E1 SLAB ON GRADE CONSTRUCTION JOINT DETAIL

S2.1 3/4" = 1'-0"

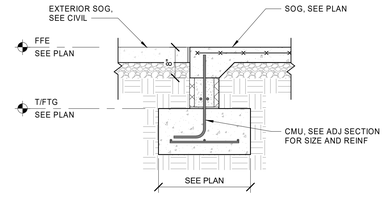
NOTES:
1. DO NOT RUN REINF THROUGH CONSTRUCTION JOINT.



E3 SLAB ON GRADE CONTRACTION JOINT DETAIL

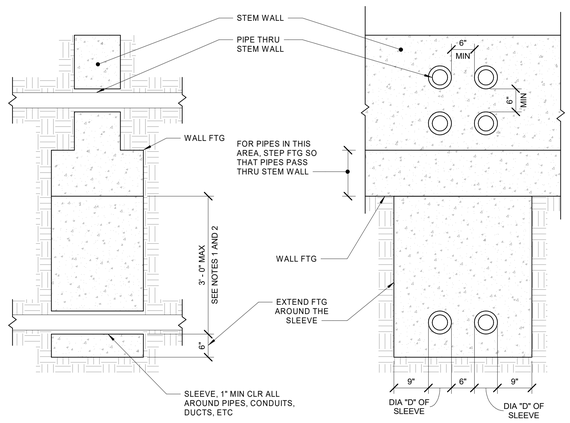
S2.1 3/4" = 1'-0"

NOTES:
1. CUT EVERY OTHER REINF WHERE CONTRACTION JOINTS ARE TO BE CUT.
2. SAW CUT SLAB WITHIN 8 HOURS OF CONCRETE POUR.



E5 CMU WALL AT DOOR

S2.1 3/4" = 1'-0"



A1 PIPE PENETRATION PERPENDICULAR TO FOOTING

S2.1 3/4" = 1'-0"

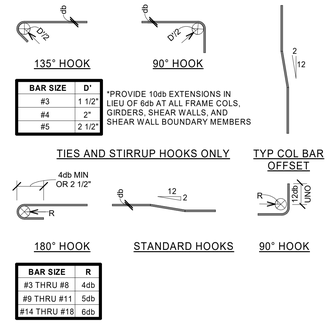
NOTES:
1. FOR PIPES 3' - 0" OR LESS BELOW BOTTOM OF FOOTING, PROVIDE SLEEVE AND CONCRETE AS SHOWN.
2. FOR PIPES BETWEEN 3' - 0" AND 5' - 0" BELOW BOTTOM OF FOOTING, STEP FOOTING SO THAT THE BOTTOM OF SLEEVE IS 3' - 0" MAX FROM BOTTOM OF FOOTING AS SHOWN ABOVE.
3. FOR PIPES 5' - 0" OR MORE BELOW BOTTOM OF FOOTING, SLEEVES AND FOOTING EXTENSION ARE NOT REQUIRED.

BAR DESCRIPTION AND LOCATION IN STRUCTURE	CONC STRENGTH (PSI)	BAR SIZE	#3		#4		#5		#6		#7		#8		#9		#10		#11	
		LAP TYPE	A	B	A	B	A	B	A	B	A	B	A	B	A	B	A	B	A	B
BAR w/ SPACING >2x db CLR COVER >db OR BEAM AND COL BARS w/ SPACING >db CLR COVER >db	3000	TOP	1'-10"	2' - 4"	2' - 5"	3'-2"	3' - 0"	3' - 11"	3' - 7"	4' - 8"	5' - 3"	6' - 9"	6' - 0"	7' - 9"	6' - 9"	8' - 9"	7' - 7"	9' - 10"	8' - 5"	10' - 11"
		BOTTOM	1' - 5"	1'-10"	1'-10"	2' - 5"	2' - 4"	3' - 0"	2' - 9"	3' - 7"	4' - 0"	5' - 3"	4' - 7"	6' - 0"	5' - 2"	6' - 9"	5' - 10"	7' - 7"	6' - 6"	8' - 5"
	4000	TOP	1' - 7"	2' - 1"	2' - 1"	2' - 9"	2' - 7"	3' - 5"	3' - 1"	4' - 1"	4' - 6"	5' - 11"	5' - 2"	6' - 9"	5' - 10"	7' - 7"	6' - 7"	8' - 6"	7'-3"	9' - 6"
		BOTTOM	1' - 3"	1' - 7"	1' - 7"	2' - 1"	2' - 0"	2' - 7"	2' - 5"	3' - 1"	3' - 6"	4' - 6"	4' - 0"	5' - 2"	4' - 6"	5' - 10"	5' - 1"	6' - 7"	5' - 7"	7'-3"
	5000	TOP	1' - 5"	1'-10"	1' - 11"	2' - 5"	2' - 4"	3' - 0"	2' - 10"	3' - 8"	4' - 1"	5' - 3"	4' - 8"	6' - 0"	5' - 3"	6' - 9"	5' - 11"	7'-8"	6' - 6"	8' - 6"
		BOTTOM	1' - 1"	1' - 5"	1' - 5"	1' - 11"	1'-10"	2' - 4"	2' - 2"	2' - 10"	3'-2"	4' - 1"	3' - 7"	4' - 8"	4' - 0"	5' - 3"	4' - 6"	5' - 11"	5' - 0"	6' - 6"
OTHER CASES	3000	TOP	2' - 9"	3' - 6"	3' - 7"	4' - 8"	4' - 6"	5' - 10"	5' - 5"	7' - 0"	7' - 10"	10' - 2"	8' - 11"	11' - 7"	10' - 1"	13' - 1"	11'-4"	14' - 9"	12' - 7"	16' - 4"
		BOTTOM	2' - 1"	2' - 9"	2' - 9"	3' - 7"	3' - 6"	4' - 6"	4' - 2"	5' - 5"	6' - 0"	7' - 10"	6' - 11"	8' - 11"	7' - 9"	10' - 1"	8' - 9"	11' - 9"	9' - 8"	12' - 7"
	4000	TOP	2' - 4"	3' - 1"	3' - 1"	4' - 1"	3' - 11"	5' - 1"	4' - 8"	6' - 1"	6' - 9"	8' - 10"	7' - 9"	10' - 1"	8' - 9"	11'-4"	9' - 10"	12' - 9"	10' - 11"	14' - 2"
		BOTTOM	1'-10"	2' - 4"	2' - 5"	3' - 1"	3' - 0"	3' - 11"	3' - 7"	4' - 8"	5' - 3"	6' - 9"	6' - 0"	7' - 9"	6' - 9"	8' - 9"	7' - 7"	9' - 10"	8' - 5"	10' - 11"
	5000	TOP	2' - 1"	2' - 9"	2' - 10"	3' - 8"	3' - 6"	4' - 6"	4' - 2"	5' - 5"	6' - 1"	7' - 11"	6' - 11"	9' - 0"	7' - 10"	10' - 2"	8' - 10"	11' - 5"	9' - 9"	12' - 8"
		BOTTOM	1' - 8"	2' - 1"	2' - 2"	2' - 10"	2' - 8"	3' - 6"	3' - 3"	4' - 2"	4' - 8"	6' - 1"	5' - 4"	6' - 11"	6' - 0"	7' - 10"	6' - 9"	8' - 10"	7'-6"	9' - 9"

A3 SPLICE TABLE - GENERAL

S2.1 NOT TO SCALE

NOTES:
1. USE THIS TABLE FOR BAR SPLICES UNLESS SPECIFICALLY DETAILED AND DIMENSIONED ON PLANS.
2. FOR TENSION DEVELOPMENT LENGTHS "Ld," USE CLASS "A" SPLICE LENGTHS.
3. ALL SPLICES SHALL BE CLASS "B" UNLESS OTHERWISE NOTED ON PLANS.
4. TOP BARS ARE HORIZONTAL REINFORCEMENT WITH MORE THAN 12" OF CONCRETE CAST BELOW BAR.
5. BOTTOM BARS ARE ALL VERTICAL BARS, ALL HORIZONTAL WALL REINFORCEMENT, AND HORIZONTAL REINFORCEMENT WITH LESS THAN 12" OF CONCRETE CAST BELOW BAR.
6. COVER DESIGNATES CLEAR CONCRETE COVER FROM SPLICED BAR TO FACE OF MEMBER, SPACING DESIGNATES CLEAR DIMENSION BETWEEN SPLICED BARS.



BAR SIZE	D'
#3	1 1/2"
#4	2"
#5	2 1/2"

*PROVIDE 10db EXTENSIONS IN LIEU OF 6db AT ALL FRAME COLS, GIRDERS, SHEAR WALLS, AND SHEAR WALL BOUNDARY MEMBERS

BAR SIZE	R
#3 THRU #8	4db
#9 THRU #11	5db
#14 THRU #18	6db

A6 REINFORCING BAR BENDING DETAIL

S2.1 NOT TO SCALE

NOTES:
1. FOR TENSION SPLICE SEE A3 / S2.1

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PROJECT NAME
PACIFICA HIGH SCHOOL TRACK & FIELD IMPROVEMENTS - INC 2
600 E. GONZALES RD, OXNARD, CA. 93036

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12/2/2019

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LICENSED ARCHITECT JAY R. TITTLE NO. C-25 RENEWAL 08-21 STATE OF CALIFORNIA

ISSUE FOR
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ISSUE DATE
12/2/2019

REVISIONS

NO.	REASON	DATE

PROJECT TEAM
PRINCIPAL IN CHARGE
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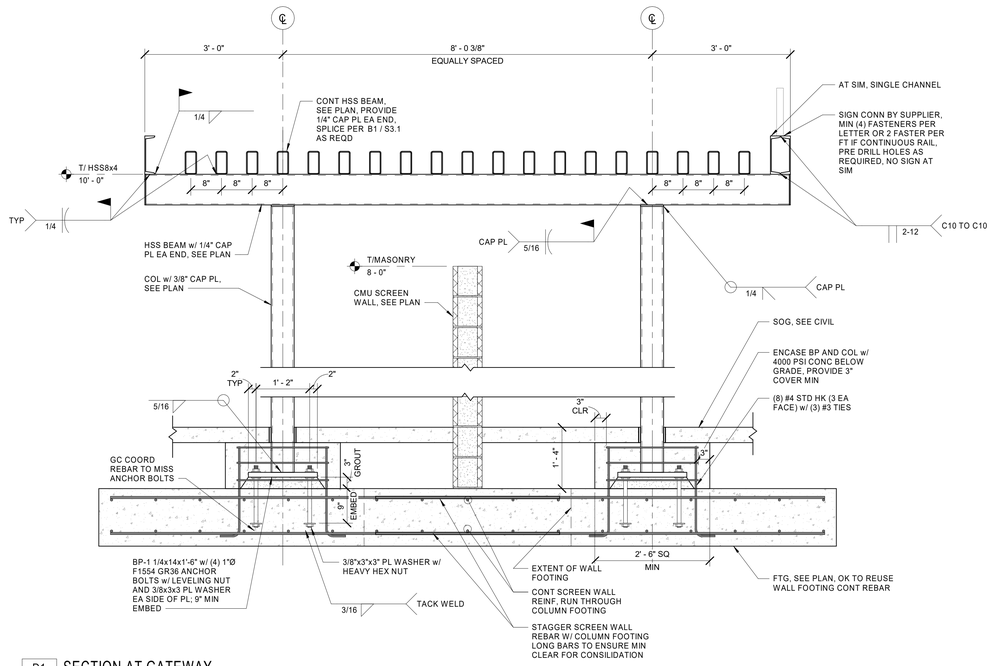
PROJECT MANAGER
Bryan Starr, SE
DESIGN TEAM
BS/EC

PROJECT NAME
PACIFICA HIGH SCHOOL TRACK & FIELD IMPROVEMENTS - INC 2

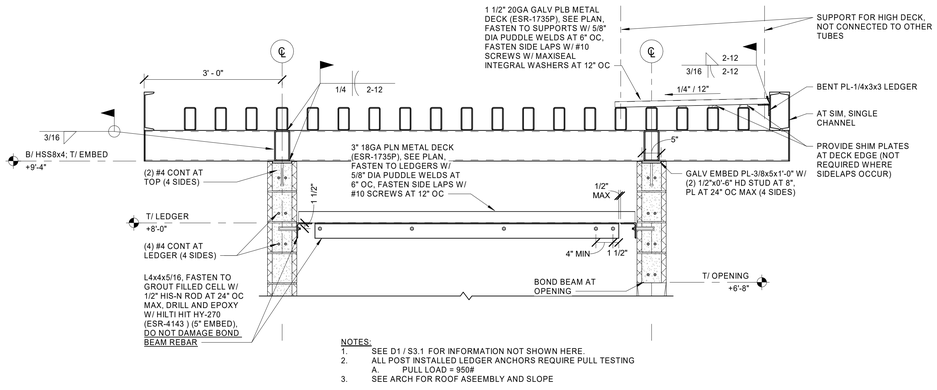
PROJECT NO.
612-12353-03

SHEET TITLE
FOUNDATION DETAILS

SHEET NUMBER
S2.1

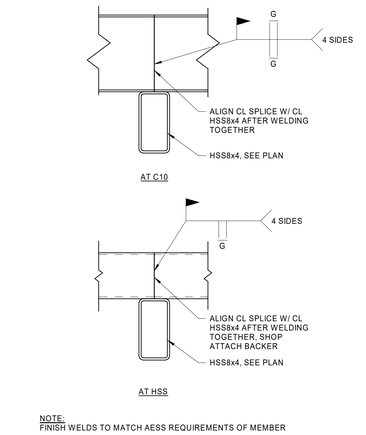


D1 SECTION AT GATEWAY
S3.1 3/4" = 1'-0"



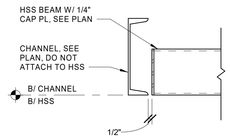
NOTES:
1. SEE D1 / S3.1 FOR INFORMATION NOT SHOWN HERE.
2. ALL POST INSTALLED LEDGER ANCHORS REQUIRE PULL TESTING
   A. PULL LOAD = 950#
3. SEE ARCH FOR ROOF ASEEMBLY AND SLOPE

D4 SECTION AT GATEWAY
S3.1 3/4" = 1'-0"

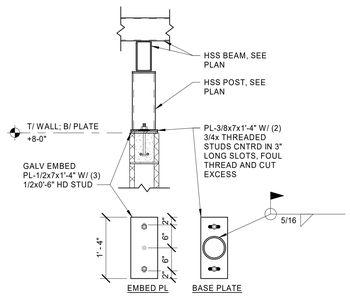


NOTE:
FINISH WELDS TO MATCH AESS REQUIREMENTS OF MEMBER

B1 TUBE SPLICE DETAIL
S3.1 1 1/2" = 1'-0"



B3 SECTION AT TRELLIS
S3.1 1 1/2" = 1'-0"



B4 SECTION AT POST ON MASONRY WALL
S3.1 3/4" = 1'-0"

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DSA SUBMITTAL

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PROJECT TEAM
PRINCIPAL IN CHARGE
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PROJECT MANAGER
Bryan Starr, SE
DESIGN TEAM
BS/EC

PROJECT NAME
PACIFICA HIGH SCHOOL
TRACK & FIELD
IMPROVEMENTS - INC 2

PROJECT NO.
612-12353-03

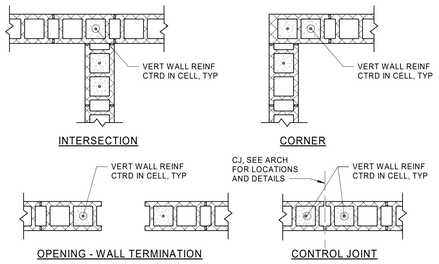
SHEET TITLE
FRAMING DETAILS

SHEET NUMBER
S3.1

CMU WALL REINFORCING LAP SPLICE SCHEDULE

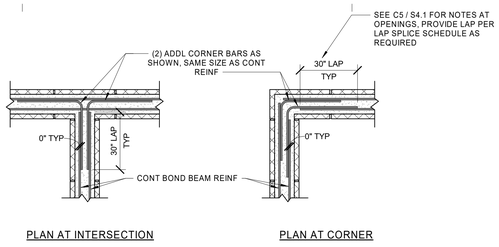
BAR SIZE	LAP SPLICE LENGTH (INCHES)			
	8" CMU		12" CMU	
	1 BAR/CELL CTRD	2 BARS/CELL CLR 3"	1 BAR/CELL CTRD	2 BARS/CELL CLR 3"
#3	19"	19"	19"	19"
#4	25"	30"	25"	25"
#5	31"	49"	31"	39"
#6	57"		53"	75"
#7	79"		61"	104"

E1 TYPICAL MASONRY LAP SPLICE SCHEDULE
S4.1 NOT TO SCALE



NOTE:
MATCH DIAMETER OF TYPICAL VERTICAL REINFORCEMENT WHERE THIS DETAIL APPLIES

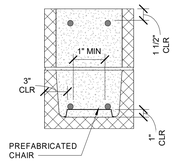
E3 TYPICAL CMU WALL REINFORCING
S4.1 NOT TO SCALE



NOTE:
MATCH DIAMETER OF TYPICAL HORIZONTAL REINFORCEMENT WHERE THIS DETAIL APPLIES

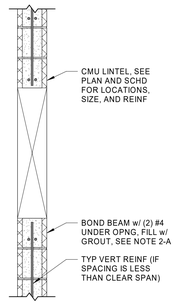
E5 TYPICAL BOND BEAM CORNERS AND INTERSECTIONS
S4.1 NOT TO SCALE

MAX CLEAR SPAN	CMU LINTEL			JAMB	
	DEPTH 'D'	8" WALL	12" WALL	WIDTH 'W'	8" WALL
4' - 0"	8"	(2) #4 BOTT		8"	(1) #5
8' - 0"	16"	(2) #4 BOTT		16"	(1) #5 EA CELL

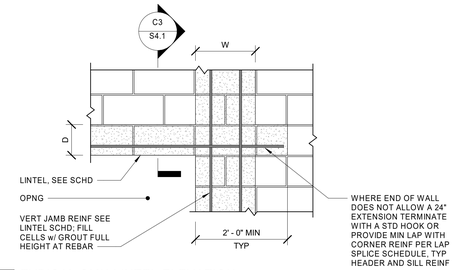


C1 TYPICAL CMU LINTEL SCHEDULE
S4.1 NOT TO SCALE

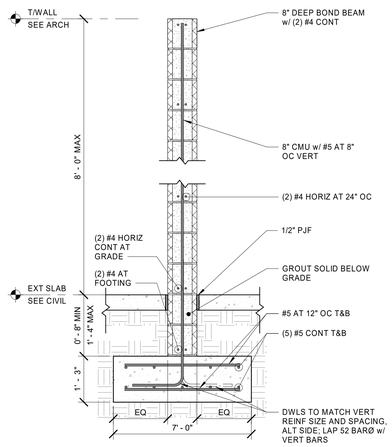
NOTES:
1. USE THIS SCHEDULE AT OPENINGS IN CMU WALLS WHERE LINTELS ARE NOT INDICATED ON PLANS.
2. SEE C3 / S4.1 AND C5 / S4.1 FOR CMU LINTEL SECTION AND ELEVATION.
3. REINFORCING TO BE HELD OFF BOTTOM OF MASONRY BLOCK USING PREFABRICATED CHAIRS (SUBMIT FOR APPROVAL). REBAR TO BE LOCATED IN BOND BEAM WITHIN ±1/4" (CONSTRUCTION TOLERANCE) AS SHOWN IN DETAIL.
4. PROVIDE 2'-0" BEARING OVER MASONRY EACH END WHERE POSSIBLE, SEE CMU WALL REINFORCING AND LINTEL DETAILS.
5. SEE ARCHITECTURAL AND MEP DRAWINGS FOR LINTELS IN NON-LOAD BEARING WALLS.



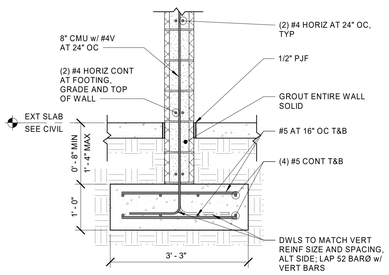
C3 TYPICAL CMU LINTEL SECTION
S4.1 NOT TO SCALE



C5 TYPICAL CMU LINTEL ELEVATION
S4.1 NOT TO SCALE

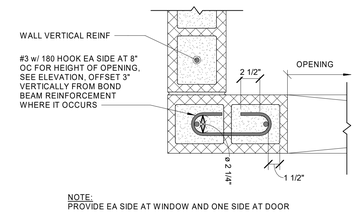


A1 SECTION AT MASONRY SCREEN WALL
S4.1 NOT TO SCALE



NOTE:
TYPICAL ALL (4) SIDES OF TICKET BOOTH, SEE E3 / S4.1 AND E5 / S4.1 FOR CORNER REINFORCEMENT

A3 SECTION AT EXTERIOR TICKET BOOTH MASONRY WALL
S4.1 3/4" = 1'-0"



NOTE:
PROVIDE EA SIDE AT WINDOW AND ONE SIDE AT DOOR

A5 TIE AT WALL PIER
S4.1 1 1/2" = 1'-0"

AGENCY REVIEW

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REGISTERED PROFESSIONAL ENGINEER BRYAN T. STARR No. S5076 Exp: 6/30/21 STRUCTURAL STATE OF CALIFORNIA
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PROJECT NO.
612-12353-03

SHEET TITLE
MASONRY DETAILS

SHEET NUMBER
S4.1

GENERAL DEMOLITION NOTES

1. BEFORE COMMENCING WORK, THE CONTRACTOR SHALL: CONDUCT A SURVEY AT THE JOB SITE INCLUDING ALL AREA UPON WHICH THIS WORK IS IN ANY WAY DEPENDENT FOR VERIFICATION OF EXISTING CONDITIONS AND INSPECT EACH AND EVERY AREA AFFECTED BY THE TOTAL ALTERATION OF THE BUILDING BEFORE SUBMITTING BID.
2.
   A. REPORT TO THE GENERAL CONTRACTOR ANY CONDITION THAT PREVENTS IN AN WAY THE INSTALLATION OF WORK AS SHOWN ON DRAWING. ANY DISCREPANCY SHALL BE REFERRED IMMEDIATELY TO THE ARCHITECT OR ENGINEER FOR RESOLUTION. NO WAIVER OF RESPONSIBILITY FOR INCOMPLETE, INADEQUATE OR DEFECTIVE ADJOINING WORK WILL BE CONSIDERED UNLESS NOTIFICATION HAS BEEN FILED BEFORE SUBMITTAL OF PROPOSAL.

   B. BECOME THOROUGHLY FAMILIAR WITH INTENT OF WORK SHOWN ON DRAWINGS, AND THE ACTUAL EXISTING CONDITIONS OF WHICH CONNECTIONS MUST BE MADE TO BE IN ACCORDANCE WITH THESE DRAWINGS. THE ELECTRICAL DRAWINGS INDICATE NEW WORK, EXISTING ELECTRICAL SYSTEMS ARE NOT SHOWN EXCEPT WHERE INTERFACE IS REQUIRED. NO CONSIDERATION WILL BE GRANTED TO THE CONTRACTOR BY REASON UNFAMILIARITY WITH THE ACTUAL PHYSICAL CONDITIONS AT SITE.
2. THE CONTRACTOR SCOPE OF WORK IN THIS CONTRACT IS TO CONFIRM AND FAMILIARIZE HIMSELF WITH ALL EXISTING ELECTRICAL SYSTEMS AND SHALL INCLUDE ALL NECESSARY DEMOLITION AND NEW AND RELOCATION WORK REQUIRED BY CHANGES TO WALLS, CEILINGS AND OTHER ARCHITECTURAL WORK.
3. IN AREAS WHERE DEMOLITION WORK IS PERFORMED BY OTHER TRADES, IT SHALL BE THE RESPONSIBILITY OF THE ELECTRICAL CONTRACTOR TO COORDINATE WITH OTHER TRADES, SHOULD ANY OF THE EXISTING ELECTRICAL DEVICES, OUTLETS OR EQUIPMENT (WHICH IS TO REMAIN IN SERVICE) BE DISCONNECT, IT SHALL BE RESPONSIBILITY OF THE ELECTRICAL CONTRACTOR TO RECONNECT AS REQUIRED THOSE ITEMS WHICH ARE TO REMAIN ENERGIZED FOR SERVICE AT NO EXTRA COST TO THE OWNER.
4. THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO AVOID DEMOLISHING EXISTING CONDUIT AND CONDUCTORS FEEDING EXISTING EQUIPMENT TO REMAIN. ALL COST ASSOCIATED OF RESTORING THE EXISTING ELECTRICAL SYSTEMS SHALL BE BY THE CONTRACTOR.
5. DEMOLITION/CONSTRUCTION SHALL BE IN COMPLIANCE WITH CFC CHAPTER 9 AND 14.

LIGHTING FIXTURE SCHEDULE

TYPE	SYMBOL	LAMP	DESCRIPTION	MANUFACTURER/ CATALOG NO.	ALTERNATE MANUFACTURER/ CATALOG NO.
C	▢	LED 4000°K	RECESSED SQUARE UNDER CANOPY LED FIXTURE WITH, SQUARE TAMPERED GLASS LENS WITH CLEAR POLYCARBONATE BOTTOM LENS AND TAMPERPROOF SCREWS. UL LISTED FOR DAMP LOCATION. TOTAL WATTS = 36	KENALL #PC1515-8-GW-32P-1-DT OR APPROVED EQUAL	ECLIPSE 855-68.7-4759K-2EBJ-WH-9002-PREC DAY-BRITE FDPH-LED
CE	▢ EM	LED 4000°K	SAME AS TYPE "J" EXCEPT WITH INTEGRAL 90 MINUTE EMERGENCY BATTERY BACK UP. TOTAL WATTS = 36	KENALL #PC1515-8-GW-32P-1-DT-EL OR APPROVED EQUAL	ECLIPSE 855-68.7-4759K-2EBJ-WH-9002-PREC DAY-BRITE FDPH-LED

LIGHTING FIXTURE SCHEDULE NOTES

1. THE CONTRACTOR IS RESPONSIBLE FOR COORDINATING RECESSED LUMINAIRES WITH THE CEILINGS INTO WHICH THEY ARE TO BE INSTALLED, REGARDLESS OF THE MANUFACTURERS' PRODUCT NUMBERS SPECIFIED.
2. RECESSED INCANDESCENT AND COMPACT FLUORESCENT, AND HID LUMINAIRES ARE SPECIFIED TO INCLUDE PROVISION FOR THROUGH-CIRCUIT WIRING. CONTRACTOR MUST VERIFY SUITABILITY OF EACH LUMINAIRE RELATING TO CIRCUIT WIRES AND LOCAL CODE REQUIREMENTS.
3. LUMINAIRES AND CONNECTIONS TO BUILDING CONSTRUCTION MUST CONFORM TO APPLICABLE SEISMIC CODES. PROVIDE ALL SEISMIC #12 HANGER WIRES AND SCREWS PER LOCAL AUTHORITY HAVING JURISDICTION.
4. EACH RECESSED INCANDESCENT LUMINAIRE IS TO BE SUPPLIED WITH A THERMAL RESETTING DEVICE OR AS OTHERWISE NECESSARY TO MEET THE REQUIREMENTS OF NEC PARAGRAPH 410-65 (c).
5. VERIFY EXACT QUANTITY AND LOCATION FOR ALL LIGHT FIXTURES PER ARCHITECTURAL REFLECTED CEILING PLAN PRIOR TO BID.
6. ALL LIGHT FIXTURES OPERATING VOLTAGES SHALL BE CONFIRMED WITH LIGHTING PLANS BRANCH CIRCUITRY.
7. CONTRACTOR SHALL PROVIDE ALL MOUNTING HARDWARE AS REQUIRED AND AS NECESSARY TO INSURE PROPER INSTALLATION OF EACH LIGHT FIXTURE AS TO THEIR RESPECTIVE CEILING CONDITION.

ANCHORAGE NOTE

MEP Component Anchorage Note

All mechanical, plumbing, and electrical components shall be anchored and installed per the details on the DSA approved construction documents. Where no detail is indicated, the following components shall be anchored or braced to meet the force and displacement requirements prescribed in the 2016 CBC, Sections 1616A.1.18 through 1616A.1.26 and ASCE 7-10 Chapters 13, 26 and 30.

1. **All permanent equipment and components.**
2. **Temporary or movable equipment that is permanently attached (e.g. hard wired) to the building utility services such as electricity, gas or water.**
3. **Movable equipment which is stationed in one place for more than 8 hours and heavier than 400 pounds are required to be anchored with temporary attachments.**

The attachment of the following mechanical and electrical components shall be positively attached to the structure, but need not be detailed on the plans. These components shall have flexible connections provided between the component and associated ductwork, piping, and conduit.

A. **Components weighing less than 400 pounds and have a center of mass located 4 feet or less above the adjacent floor or roof level that directly support the component. (on grade installation only).**
B. **Components weighing less than 20 pounds, or in the case of distributed systems, less than 5 pounds per foot, which are suspended from a roof or floor or hung from a wall.**

For those elements that do not require details on the approved drawings, the installation shall be subject to the approval of the Structural Engineer of Record, the DSA District Structural Engineer and the DSA field representative. The project inspector will verify that all components and equipment have been anchored in accordance with above requirements.

Piping, Ductwork, and Electrical Distribution System Bracing Note

Piping, ductwork, and electrical distribution systems shall be braced to comply with the forces and displacements prescribed in ASCE 7-10 Section 13.3 as defined in ASCE 7-10 Section 13.6.8, 13.6.7, 13.6.5.6, and 2013 CBC, Sections 1616A.1.23, 1616A.1.24, 1616A 1.25 and 1616A 1.26.

The method of showing bracing and attachments to the structure for the identified distribution system are as noted below. When bracing and attachments are based on preapproved installation guide (e.g. SMACNA or OSHPD OPM), copies of the bracing system installation guide or manual shall be available on the jobsite prior to the start of and during the hanging and bracing of the distribution system. The Structural Engineer of Record shall verify the adequacy of the structure to support the hanger and brace loads.

Mechanical Piping (MP), Mechanical Duct (MD), Plumbing Piping (PP), Electrical Distribution System (E):

MP__, MD__, PP__, E__	**Option 1:**	**Detailed on the approved drawings with project specific notes and details.**
MP__, MD__, PP__, E__	**Option 2:**	**Shall comply with the applicable PSHPD Pre-Approved (OPM#) #_____.**
MP__, MD__, PP__, E_X_	**Option 3:**	**Shall comply with the SMACNA Seismic Restraint Manual, (OSHPD Edition (2009), including any addenda. Fasteners and other attachments not specifically identified in the SMACNA Seismic Restraint Manual (OSHPD) Edition are detailed on the approved drawings with project specific notes and details. The details shall account for the applicable Seismic Hazard Level _____ and Connection Level _____ for the project and conditions.**

GENERAL NOTES

1. UNLESS OTHERWISE NOTED, MINIMUM WIRE SIZE FOR LINE VOLTAGE WIRING SHALL BE #12, THHN/THWN-2 COPPER FOR BRANCH CIRCUITRY. ALL CONDUITS FILL FACTOR SHALL MEET 2016 CEC AND NFPA 72.
2. ALL WORK SHALL COMPLY WITH THE LATEST ADOPTED EDITION OF THE STATE OF CALIFORNIA BUILDING CODES, CALIFORNIA ELECTRICAL CODE "CEC" AND OTHER LOCAL GOVERNING AUTHORITIES.
   A. ALL ELECTRICAL INSTALLATION SHALL COMPLY WITH ALL AMENDMENTS OF THE STATE OF CALIFORNIA C.E.C., 2016.
   B. ALL NEW ELECTRICAL INSTALLATION SHALL BE INSTALLED IN ACCORDANCE WITH ALL LOCAL AND CALIFORNIA STATE CODE SEISMIC REQUIREMENTS.
3. SUBSCRIPTS a, b, c, ETC. AT SWITCH SYMBOLS ARE TO DISTINGUISH BETWEEN SWITCHES.
4. +4'-6" INDICATES A MOUNTING HEIGHT FROM FINISHED FLOOR TO CENTER OF EQUIPMENT OF OUTLET. "M.H." INDICATES A MOUNTING HEIGHT FROM FINISHED FLOOR TO BOTTOM OF FIXTURE OR DEVICE.
6. EVERY WALL MOUNTED OUTLET HEIGHT AND LOCATION SHALL BE VERIFIED WITH THE ARCHITECTURAL DRAWINGS AND THE INTERIOR DRAWINGS TO INSURE THE PROPER HEIGHT AND LOCATION WITH RESPECT TO CABINETS, EQUIPMENT, MIRRORS, TACK BOARDS, ETC.
7. COORDINATE WITH THE OTHER TRADES, IN ADVANCE OF CONSTRUCTION, THE CEILING AREA IN WHICH RECESSED LIGHTING FIXTURES OCCUR. THIS SHALL INCLUDE PLUMBING, HEATING AND VENTILATING, AIR CONDITIONING AND CARPENTRY. IN THE EVENT OF ANY CONFLICT, THE ARCHITECT SHALL BE NOTIFIED IMMEDIATELY.
8. ALL WORK/MATERIALS SHOWN ON PLANS SHALL BE NEW AND SHALL BE FURNISHED AND INSTALLED BY THE ELECTRICAL CONTRACTOR UNLESS OTHERWISE INDICATED.
9. PROVIDE ALL HVAC AND PLUMBING CONTROLS AND WIRING PER MECHANICAL AND ELECTRICAL SECTIONS OF THE SPECIFICATIONS AND WIRING DIAGRAMS ON MECHANICAL AND ELECTRICAL DRAWINGS.
10. PROVIDE AND LOCATE OUTLETS, WIRING AND CONTROLS AS INDICATED OR REQUIRED FOR EQUIPMENT FURNISHED UNDER OTHER SECTIONS OR CONTRACTS PER EQUIPMENT SUPPLIER'S REQUIREMENTS. CONNECT TO ALL EQUIPMENT AND ASSOCIATED CONTROLS UNLESS OTHERWISE DIRECTED. VERIFY LOCATIONS, RATINGS, VOLTAGES, CONTROL WIRING, CONTROL DEVICES, TO BE FURNISHED AND/OR INSTALLED WITH TRADE DRAWINGS AND SPECIFICATIONS. REFER TO EQUIPMENT OR SYSTEM SPECIFICATIONS REQUIRING ELECTRICAL WORK TO DETERMINE SCOPE OF WORK REQUIRED.
11. ALL ELECTRICAL EQUIPMENT OUTDOORS SHALL BE WATERPROOF.
12. WHERE WIRE COUNT EXCEEDS 13 WIRES IN A JUNCTION BOX, PROVIDE A 5" SQUARE JUNCTION BOX. PROVIDE ADDITIONAL JUNCTION BOXES TO ACCOMODATE MAXIMUM ALLOWABLE NUMBER OF WIRES.

ELECTRICAL SYMBOL LIST

(NOTE: NOTE ALL SYMBOLS ARE USED ON THIS PROJECT)

- GROUNDING TYPE DUPLEX CONVENIENCE OUTLET, MOUNTED HORIZONTALLY 2" ABOVE COUNTER SPLASH. U.O.N.
- GROUNDING TYPE DUPLEX CONVENIENCE OUTLET, +18" A.F.F. UNLESS OTHERWISE NOTED ON DRAWINGS.
- GROUNDING TYPE DOUBLE DUPLEX CONVENIENCE OUTLET, +18" A.F.F. UNLESS OTHERWISE NOTED ON DRAWINGS.
- 120V., 20A. GROUND TYPE BLUE DUPLEX RECEPTACLE, NEMA 5-20R MOUNTED +18" A.F.F.
- 120V., 20A. GROUND TYPE BLUE SINGLE RECEPTACLE, NEMA 5-20R 2" ABOVE COUNTER SPLASH. U.O.N.
- (GFCI) GROUNDING TYPE DUPLEX CONVENIENCE OUTLET, MOUNTED HORIZONTALLY 2" ABOVE COUNTER SPLASH.
- (GFCI) GROUNDING TYPE DUPLEX CONVENIENCE OUTLET, +18" A.F.F. UNLESS OTHERWISE NOTED ON DRAWINGS.
- DUPLEX RECEPTACLE FLUSH MOUNTED IN CEILING.
- FLUSH FLOOR MOUNTED 120V.,20A., GROUND TYPE DUPLEX RECEPTACLE.
- WALL MOUNTED OUTLET WITH 2 DAT JACKS +18" A.F.F. INSTALL 3/4"C. WITH (2) CAT-6 DATA CABLES TO NEAREST IDF/MDF CABINET AND TERMINATE.
- WALL MTD JUNCTION BOX WITH FLEXIBLE CONNECTION TO EQUIPMENT.
- JUNCTION BOX WITH BLANK COVER PLATE LOCATED ABOVE ACCESSIBLE CEILING.
- SURFACE MTD 4/S JUNCTION BOX WITH BLANK COVER PLATE.
- MOTOR OUTLET
- THERMOSTAT OUTLET, +45" A.F.F.
- NON-FUSED DISCONNECT SWITCH, MIN. 30AS, 3P, UNLESS OTHERWISE NOTED ON DRAWINGS.
- CIRCUIT BREAKER, SINGLE LINE DIAGRAM
- CONTROL RELAY, TYPE AND SIZE AS NOTED MOUNTED IN NEMA ENCLOSURE.
- CONDUIT STUB OUT WITH CAP ON END
- CONDUIT UP
- CONDUIT DOWN
- FLEXIBLE CONDUIT
- CONDUIT HOMERUN TO DESIGANTED PANELBOARD OR CABINET
- CONDUIT RUN CONCEALED IN WALL OR ABOVE CEILING
- CONDUIT RUN UNDER FLOOR OR BELOW GRADE

2#12, 1/2"C. 4#12, 1/2"C.
3#12, 1/2"C. 5#12, 3/4"C.
2#10, 1/2"C. 4#10, 1/2"C. 6#10, 3/4"C.
3#10, 1/2"C. 5#10, 3/4"C. 7#10, 1"C.
2#8, 3/4"C. 3#8, 3/4"C. 4#8, 1"C.

WIRE SIZE OTHER THAN #12, #10 OR #8 IS NOTED ON EACH CONDUIT RUN WITH SIZE OF CONDUIT (I.E., 3#6 - 1"C.)

- TELEPHONE PLYWOOD BACKBOARD SIZE AS INDICATED ON PLANS
- DISTRIBUTION BOARD OR SWITCHGEAR
- SURFACE MOUNTED PANEL, +6'-6" TO TOP
- SURFACE MOUNTED CABINET, +6'-6" TO TOP
- A — ELECTRICAL PANELBOARD OR SWITCHGEAR DESIGNATION
- SC-A — EQUIPMENT/SIGNAL CABINET DESIGNATION
- S — TOGGLE SWITCH, +45".
  SUFFIX ON SWITCH SYMBOLS SHALL INDICATE THE FOLLOWING:
  NO SUFFIX = SINGLE POLE, 2 = 2 POLE, 3 = 3 WAY, k = KEY OPERATED, R = SPDT MOMENTARY CONTACT SWITCH, P = WITH PILOT LIGHT, a,b,c,d, ETC. INDICATES OUTLET CONTROLLED
- CEILING MOUNTED AUTOMATIC LIGHTING MOTION SENSOR COMPLETE WITH OUTLET BOX AND SWITCH PACK. a,b,c,d ETC. INDICATES OUTLET CONTROLLED.
- WALL MOUNTED AUTOMATIC LIGHTING MOTION SENSOR, +45" A.F.F.
- WALL MOUNTED TIME CLOCK FOR EXTERIOR LIGHTING CONTROL.

SYMBOL NOTES

- "x" — WHEN SHOWN ADJACENT TO OUTLET SYMBOL OR IN CONDUIT RUN INDICATES EXISTING TO REMAIN.
- "xR" — WHEN SHOWN ADJACENT TO OUTLET SYMBOL OR LIGHT FIXTURE INDICATES EXISTING TO BE REMOVED.
- "xX" — WHEN SHOWN IN CONDUIT RUN INDICATES EXISTING CONDUIT RUN TO BE REWIRED. PULL OUT EXISTING WIRES AND INSTALL NEW WIRES, QUANTITY AS INDICATED BY HASH MARKS.

FIRE ALARM SYSTEM, U.O.N.

GENERAL INFORMATION:

A. STATE CODES AND SECTIONS FOR REQUIREMENTS.....2016 CFC 1001.3
B. NFPA STANDARD USED FOR SYSTEM DESIGN CRITERIA .....2016 NFPA 72
C. BUILDING CODE OCCUPANCY CLASSIFICATION(S).....2016 CBC
D. TYPE OF SYSTEM OR SERVICE INVOLVED.....NFPA 72, I-5,5.2.1
E. VOICE EVACUATION MESSAGE/LANGUAGE(S), IF INVOLVED.....NFPA 72, 3-2,4.1
F. WRITTEN SEQUENCE OF OPERATION OR MATRIX TABLE.....NFPA 72, I-5,5.2.1
G. COMBINATION SYSTEMS, SPECIFIC ADDITIONAL USES.....2016 CFC 609
H. HVAC LOCATION > 2000 CFM.....2016 CMC SEC 609
I. SPECIAL SYSTEM FEATURES/OPERATIONS.....2016 CFC 1006.3.4.3
J. REQUIRED PLACARDING.....NFPA 72, I-6.2.3
M. CENTRAL OR REMOTE STATION MONITORING COMPANY NAME, ADDRESS, PHONE NUMBER, UL LISTING NUMBER AND CERTIFICATE.....2016 CFC 1006.2, 4.2, 2.1.5
N. TYPE OF THIRD PARTY VERIFICATION POSTING BY THE PRIME CONTRACTOR FOR VERIFICATION OF SYSTEM COMPLIANCE FOR CENTRAL STATION SERVICE.....NFPA 72, 5-2.2.3

TERMS

BY G.C.	–	DENOTES:	FURNISHED AND INSTALLED BY GENERAL CONTRACTOR.
BY OTHER	–	DENOTES:	FURNISHED AND INSTALLED BY OTHERS.
PROVIDE	–	DENOTES:	ELECTRICAL CONTRACTOR TO FURNISH, INSTALL AND CONNECT.
EC	–	DENOTES:	BY ELECTRICAL CONTRACTOR.
APPARATUS	–	DENOTES:	PANELBOARDS, TRANSFORMERS, DISTRIBUTION BOARDS, SWITCHGEAR, VARIBLE SPEED DRIVES, ETC.
FEEDERS	–	DENOTES:	ELECTRICAL FEEDERS (CONDUIT AND WIRES) SERVING ELECTRICAL APPARATUS AND HVAC EQUIPMENT (I.E. FANS MOTORS, PUMPS, CHILLERS CONTROLLERS, ETC.)
INSTALL OR INSTALLED	–	DENOTES:	EC INSTALL AND CONNECT

ABBREVIATIONS

C/B	–	CIRCUIT BREAKER	ISC	–	INCOMING SHORT CIRCUIT AMPS
CKT	–	CIRCUIT	AIC	–	AMP INTERRUPTING CURRENT
C.O.	–	CONDUIT ONLY	U.G.	–	UNDERGROUND
TYP.	–	TYPICAL UNLESS OTHERWISE NOTED	VD	–	VOLTAGE DROP
GFI	–	GROUND FAULT INTERRUPTER	WP	–	WEATHERPROOF
			U.O.N.	–	UNLESS OTHERWISE NOTED

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP. 03-120009 INC: 02
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 12/12/2019

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OXNARD UNION HIGH SCHOOL DISTRICT

PACIFICA HIGH SCHOOL TRACK & FIELD IMPROVEMENTS - INC 2

600 E. GONZALES RD, OXNARD, CA. 93036

LICENSED ARCHITECT — JAY R. LITTLE — No. C-17777 — Exp. 11-30-21 — STATE OF CALIFORNIA

REGISTERED PROFESSIONAL ENGINEER — ANTHONY OSATTA — NO. E21480 — Exp. 6-30-2020 — ELECTRICAL — STATE OF CALIFORNIA

Engineous Group, Inc.
751 N. Fair Oaks Ave., Suite 201
Pasadena, CA 91103
Phone: (626) 696-3850

DSA SUBMITTAL

12/02/19

NO.	REASON	DATE

PRINCIPAL IN CHARGE: BSA
PROJECT MANAGER: AOIDLE
DESIGN TEAM: DLE

PACIFICA HIGH SCHOOL TRACK & FIELD IMPROVEMENTS - INC 2

612-123-5303

SYMBOLS, NOTES AND LIGHTING FIXTURE SCHEDULE

E-001

STATE OF CALIFORNIA
Outdoor Lighting
NRCC-LTO-E (Created 9/17) — CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE		NRCC-LTO-E
Project Name: Pacifica High School	Report Page:	Page 2 of 6
Project Address: 600 E Gonzales Rd.	Date Prepared:	9/1/2019

D. EXCEPTIONAL CONDITIONS
This table is auto-filled with uneditable comments because of selections made or data entered in tables throughout the form.

No exceptional conditions apply to this project.

E. ADDITIONAL REMARKS
This table includes remarks made by the permit applicant to the Authority Having Jurisdiction.

F. OUTDOOR LIGHTING FIXTURE SCHEDULE
Table Instructions: For new or altered lighting systems demonstrating compliance with §140.7 (ie Table I has expanded for input), include all luminaires being installed and any existing luminaires remaining or being moved within the spaces covered by the permit application in the Table below. For altered lighting systems using the Existing Power method per §141.0(b)2L (ie Table N has expanded for input), include only new luminaires being installed and replacement luminaires being installed as part of the project scope (ie, do not include existing luminaires remaining or existing luminaires being moved).

Designed Wattage:

01	02	03	04	05	06	07	08	09	10	
Name or Item Tag	Complete Luminaire Description	Watts per luminaire[1]	How Wattage is determined	Total number luminaires	Luminaire Status[2]	Excluded per §140.7(a)	Design Watts	Cutoff Req. > 150W §130.2(b)[3]	Field Inspector	
									Pass	Fail
Type LT-C	32w. Recessed Ceiling MTD. LED Ligh	32	Mfr. Spec[1]	18	New	☐	576		☐	☐
						Total Designed Watts:	**576**			

* NOTES: Selections with a * require a note in the space below explaining how compliance is achieved.
EX: Luminaire is lighting a statue; EXCEPTION 2 to §130.2(b).

[1] FOOTNOTES: Authority Having Jurisdiction may ask for Luminaire cut sheets to confirm wattage used for compliance per §130.0(c)
[2] Select "New" for new luminaires in a new outdoor lighting project or for added luminaires in an alteration. Select "Altered" for replacement luminaires in an alteration. Select "Existing to Remain" for existing luminaires within the project scope that are not being altered and are remaining. Select "Existing Reinstalled" for existing luminaires which are being removed and reinstalled as part of the project scope
[3] Compliance with mandatory cutoff requirements is required for luminaires with wattage > 150 Watts unless exempted by §130.2(b).

G. CUTOFF REQUIREMENTS (BUG)
This Section Does Not Apply

H. OUTDOOR LIGHTING CONTROLS

STATE OF CALIFORNIA
Outdoor Lighting
NRCC-LTO-E (Created 9/17) — CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE		NRCC-LTO-E
Project Name: Pacifica High School	Report Page:	Page 3 of 6
Project Address: 600 E Gonzales Rd.	Date Prepared:	9/1/2019

Table Instructions: Complete this table demonstrating compliance with controls requirements for all new or altered luminaires installed as part of the permit application. For alteration projects, luminaires which are existing to remain (ie untouched) and luminaires which are removed and reinstalled (wiring only) do not need to be included in this table even if they are within the spaces covered by the permit application.
*When an option having a * is selected, the notes section of this table must be completed. The lighting controls section of the Compliance Summary Table on the first page will show "DOES NOT COMPLY" if the notes are left blank. For each requirement in columns 02 through 07, do not leave the field blank, instead select NA or Exempt* from the dropdown list to indicate not applicable or an exemption.*

Mandatory Controls

01	02	03	04	05	06	07	08	
Area Description	Motion Sensor: Incandescent>100W §130.2(a)	Shut-Off §130.2(c)1	Auto-Schedule §130.2(c)2	Motion Sensor §130.2(c)3	Sales Frontage §130.2(c)4	Façade, Ornament, Outdoor Dining §130.2(c)5	Field Inspector	
							Pass	Fail
							☐	☐

*NOTES: Controls with a * require a note in the space below explaining how compliance is achieved.
EX: Not permitted by health & safety to be turned off; EXCEPTION 1 to §130.2(c).

I. LIGHTING POWER ALLOWANCE (per §140.7)
I. LIGHTING POWER ALLOWANCE (per §140.7)

Table Instructions: Please complete this table for areas using the allowance calculations per §140.7. General Hardscape Allowance is per Table 140.7-A while "Use it or lost it" Allowances are per Table 140.7-B. Indicate which allowances are being used to expand sections for user input. Luminaires that qualify for one of the "Use it or lose it" allowances shall not qualify for another "Use it or lose it" allowance.

	01				
	"Use it or lose it" Allowance (Watts)				
☑ General Hardscape Allowance	☐ Per Application	☐ Sales Frontage	☐ Ornamental	☐ Per Specific Area	
Table I (below)	Table J	Table K	Table L	Table M	

Calculated General Hardscape Lighting Power Allowance per Table 140.7-A

02	03	04	05	06	07	08	09
Area Description	Area Wattage Allowance (AWA)			Linear Wattage Allowance (LWA)			Total General AWA + LWA (Watts)
	Illuminated Area (ft²)	Allowed Density (W/ft²)	Area Allowance (Watts)	Perimeter Length (lf)	Allowed Density (W/lf)	Linear Allowance (Watts)	
Main Gateway Perimiter	728	0.04	29.12	132	0.35	46.2	75.32
Gateway #2 Perimiter	280	0.04	11.2	108	0.35	37.8	49
						Initial Wattage Allowance for Entire Site (Watts):	**520**

Table Continued

STATE OF CALIFORNIA
Outdoor Lighting
NRCC-LTO-E (Created 9/17) — CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE		NRCC-LTO-E
Project Name: Pacifica High School	Report Page:	Page 4 of 6
Project Address: 600 E Gonzales Rd.	Date Prepared:	9/1/2019

Calculated General Hardscape Lighting Power Allowance per Table 140.7-A	
Total General Hardscape Allowance (Watts):	**644.32**

J. LIGHTING ALLOWANCE: PER APPLICATION
This Section Does Not Apply

K. LIGHTING ALLOWANCE: SALES FRONTAGE
This Section Does Not Apply

L. LIGHTING ALLOWANCE: ORNAMENTAL
This Section Does Not Apply

M. LIGHTING ALLOWANCE: PER SPECIFIC AREA
This Section Does Not Apply

N. EXISTING CONDITIONS POWER ALLOWANCE (alterations only)
This Section Does Not Apply

O. DECLARATION OF REQUIRED CERTIFICATES OF INSTALLATION
Table Instructions: Selections have been made based on information provided in previous tables of this document. If any selection needs to be changed, please explain why in Table E. Additional Remarks. These documents must be provided to the building inspector during construction and can be found online at http://www.energy.ca.gov/2015publications/CEC-400-2015-033/appendices/forms/NRCI

YES	NO	Form/Title	Field Inspector	
			Pass	Fail
◉	○	NRCI-LTO-01-E - Must be submitted for all buildings.	☐	☐
◉	○	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.	☐	☐

STATE OF CALIFORNIA
Outdoor Lighting
NRCC-LTO-E (Created 9/17) — CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE		NRCC-LTO-E
Project Name: Pacifica High School	Report Page:	Page 5 of 6
Project Address: 600 E Gonzales Rd.	Date Prepared:	9/1/2019

P. DECLARATION OF REQUIRED CERTIFICATES OF ACCEPTANCE
Table Instructions: Selections have been made based on information provided in previous tables of this document. If any selection needs to be changed, please explain why in Table E. Additional Remarks. These documents must be provided to the building inspector during construction and must be completed through an Acceptance Test Technician Certification Provider (ATTCP). For more information visit: http://www.energy.ca.gov/title24/attcp/providers.html

YES	NO	Form/Title	Field Inspector	
			Pass	Fail
◉	○	NRCA-LTO-02-A - Must be submitted for all outdoor lighting controls except for alterations where controls area added to ≤ 20 luminaires.	☐	☐

STATE OF CALIFORNIA
Outdoor Lighting
NRCC-LTO-E (Created 9/17) — CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE		NRCC-LTO-E
Project Name: Pacifica High School	Report Page:	Page 6 of 6
Project Address: 600 E Gonzales Rd.	Date Prepared:	9/1/2019

DOCUMENTATION AUTHOR'S DECLARATION STATEMENT

Documentation Author Name:	Artin Oshian	Documentation Author Signature:	
Company:	Engineous Group, Inc	Signature Date:	09/01/2019
Address:	751 N Fair Oaks Ave, Suite 201	CEA/ HERS Certification Identification (if applicable):	
City/State/Zip:	Pasadena, CA 91103-3069	Phone:	(626) 969-3850

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:	Artin Oshian	Responsible Designer Signature:	
Company :	Engineous Group Inc	Date Signed:	09/01/2019
Address:	751 N Fair Oaks Ave, Suite 201	License:	21460 exp. 3/31/20
City/State/Zip:	Pasadena, CA 91103-3069	Phone:	(626) 969-3850

STATE OF CALIFORNIA
Outdoor Lighting
NRCC-LTO-E (Created 9/17) — CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE		NRCC-LTO-E
This document is used to demonstrate compliance with requirements in §110.9, §130.0, §130.2, §140.7, and §141.0(b)2L for outdoor lighting scopes using the prescriptive path.		
Project Name: Pacifica High School	Report Page:	Page 1 of 6
Project Address: 600 E Gonzales Rd.	Date Prepared:	9/1/2019

A. GENERAL INFORMATION

01	Project Location (city)	Oxnard	04 Total Illuminated Hardscape Area (ft²)	1,008
02	Climate Zone	6		
03	Outdoor Lighting Zone per Title 24, Part 1 §10-114 or as designated by Authority Having Jurisdiction (AHJ):			
☐ LZ-0: Very Low - Undeveloped Parkland	☐ LZ-2: Moderate - Rural Areas	☐ LZ-4: High - Must be reviewed by CA Energy Commission for Approval		
☐ LZ-1: Low - Developed Parkland	☑ LZ-3: Moderately High - Urban Areas			

B. PROJECT SCOPE
Table Instructions: Include any outdoor lighting systems that are within the scope of the permit application and are demonstrating compliance using the prescriptive path outlined in §140.7 or §141.0(b)2L for alterations.

My project consists of:

01	02
☑ New Lighting System	Must Comply with Allowances from §140.7.
☐ Altered Lighting System	Is your alteration increasing the connected lighting load (Watts)? ○ Yes ○ No

[1] FOOTNOTES: % of Existing Luminaires Being Altered = (Sum Total of Luminaires Being Added or Altered / Existing Luminaires within the Scope of the Permit Application) x 100

C. COMPLIANCE RESULTS
Table Instructions: If any cell on this table says "DOES NOT COMPLY" or "COMPLIES with Exceptional Conditions" refer to Table D. for guidance.

Calculation of Total Allowed Lighting Power (Watts) §140.7 or §141.0(b)2L												Compliance Results		
01		02		03		04		05		06		07		08	09
General Hardscape Allowance §140.7(d)1	+	Per Application §140.7(d)2	+	Sales Frontage §140.7(d)2	+	Ornamental §140.7(d)2	+	Per Specific Area §140.7(d)2	OR	Existing Power §141.0(b)2L	=	**Total Allowed** (Watts)	≥	**Total Actual** (Watts)	**07 Must be ≥ 08**
(See Table I)		(See Table J)		(See Table K)		(See Table L)		(See Table M)		(See Table N)				(See Table F)	
644.32	+		+		+		+		OR		=	644.32	≥	576	**COMPLIES**
Cutoff Compliance (See Table G for Details)												**Not Applicable**			
Controls Compliance (See Table H for Details)												**DOES NOT COMPLY**			

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP. 03-120009 INC. 02
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 12/12/2019

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www.littleonline.com

OXNARD UNION HIGH SCHOOL DISTRICT

PACIFICA HIGH SCHOOL TRACK & FIELD IMPROVEMENTS - INC 2

600 E. GONZALES RD, OXNARD, CA. 93036

LICENSED ARCHITECT — JAMES R. TITUS — No. C-30655 — EXP. 08-31-21 — STATE OF CALIFORNIA

REGISTERED PROFESSIONAL ENGINEER — ARTIN OSHIAN — NO. E-21460 EXP. 12-31-2020 — ELECTRICAL — STATE OF CALIFORNIA

Engineous Group, Inc.
751 N. Fair Oaks Ave., Suite 201
Pasadena, CA 91103
Phone: (626) 696-3850

DSA SUBMITTAL

12/02/19

NO.	REASON	DATE

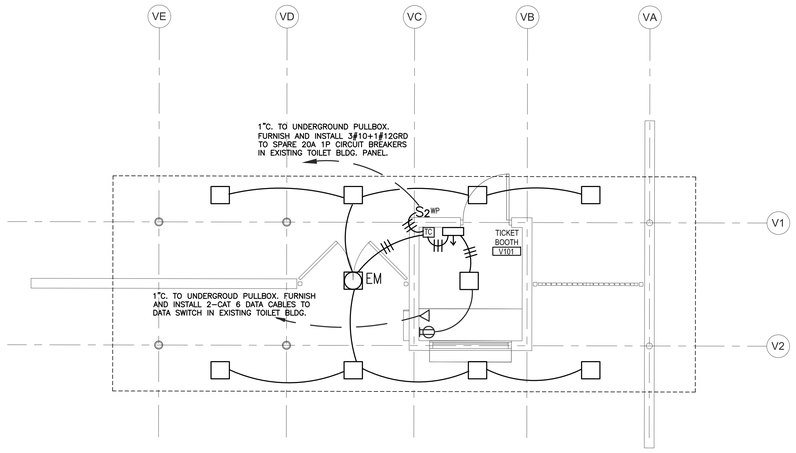
PRINCIPAL IN CHARGE: BSA
PROJECT MANAGER: AO\DLE
DESIGN TEAM: DLE

PACIFICA HIGH SCHOOL
TRACK & FIELD
IMPROVEMENTS - INC 2

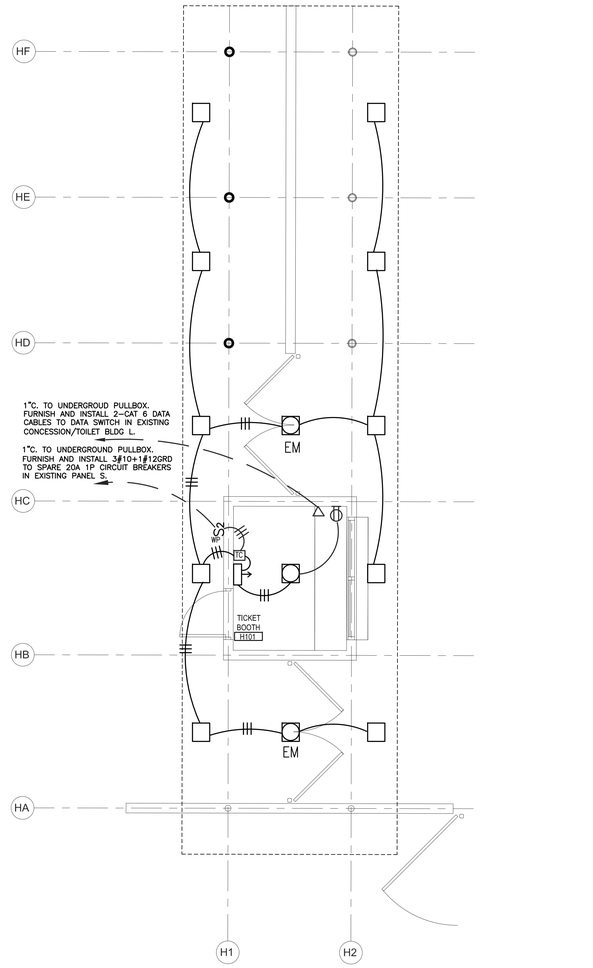
612-123-5303

TITLE 24
EXTERIOR
LIGHTING FORMS

E-002



NEW GATEWAY #2 LIGHTING AND POWER PLAN
Scale 1/4" = 1'-0"



NEW MAIN GATEWAY LIGHTING AND POWER PLAN
Scale 1/4" = 1'-0"

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OXNARD UNION HIGH SCHOOL DISTRICT

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BSA

PROJECT MANAGER
AOVDLE

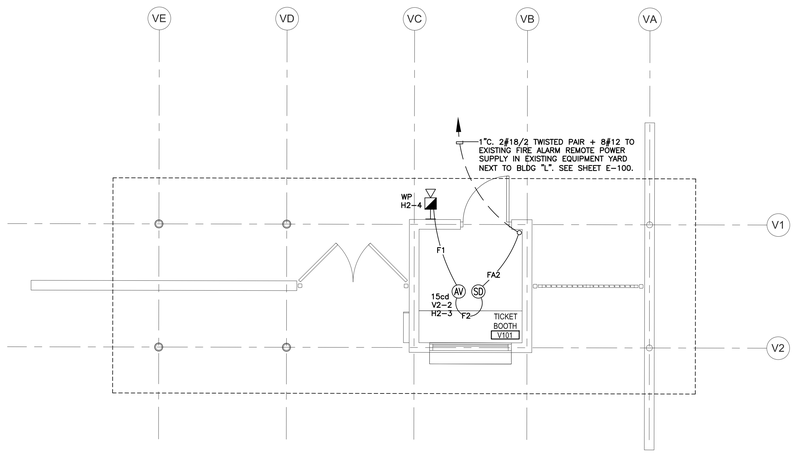
DESIGN TEAM
DLE

PACIFICA HIGH SCHOOL
TRACK & FIELD
IMPROVEMENTS - INC 2

612-123-5303

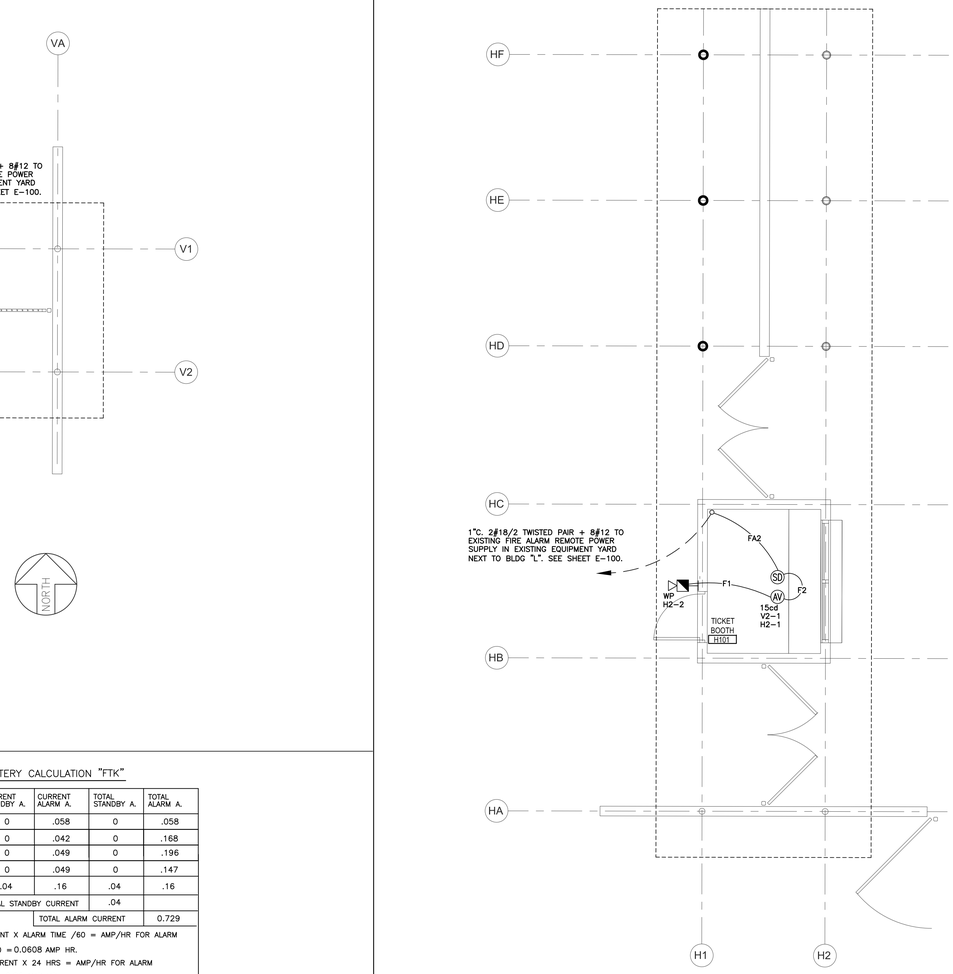
NEW GATEWAYS
LIGHTING AND POWER
PLANS

E-202



NEW GATEWAY #2 FIRE ALARM PLAN

Scale 1/4" = 1'-0"



NEW MAIN GATEWAY FIRE ALARM PLAN

Scale 1/4" = 1'-0"

BATTERY CALCULATION "FTK"

	DEVICE	#	CURRENT STANDBY A.	CURRENT ALARM A.	TOTAL STANDBY A.	TOTAL ALARM A.
(30cd)	STROBE	1	0	.058	0	.058
(15cd)	STROBE	4	0	.042	0	.168
EXTERIOR	HORN	4	0	.049	0	.196
INTERIOR	HORN	3	0	.049	0	.147
	POWER SUPPLY	1	.04	.16	.04	.16
			TOTAL STANDBY CURRENT		.04	
				TOTAL ALARM CURRENT		0.729

ALARM CURRENT X ALARM TIME /60 = AMP/HR FOR ALARM

0.729 X 5/60 = 0.0608 AMP HR.

STANDBY CURRENT X 24 HRS = AMP/HR FOR ALARM

.04 X 24 = 0.96 AMP HR.

TOTAL = 1.021 AMP HR.

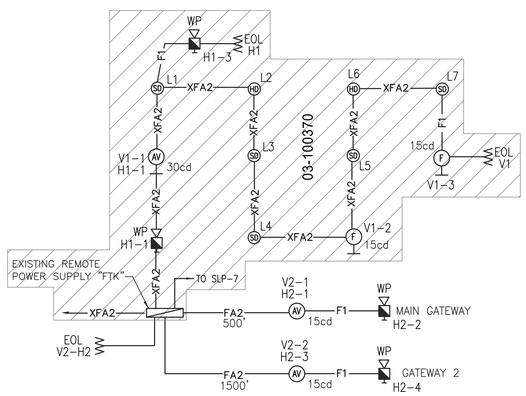
EXISTING BATTERY SIZE = 7 AMP HR.

VISUAL CIRCUIT V2: 2 VISUAL DEVICES (15cd) @ .042A. EACH = .084 A

$$\frac{.084 \times 1500' \times 21.5}{6530\ (\#12)} = 0.3176\ VD$$

$$\frac{0.3176\ VD}{24V.} \times 100 = 1.323\%$$

VOLTAGE DROP CALCULATION



FIRE ALARM LEGEND, CALCULATIONS AND RISER DIAGRAM

NOT TO SCALE

NOTE: ALL DEVICES SHOWN WITHIN THE HATCH MARKED AREA ARE EXISTING UNLESS NOTED OTHERWISE.

LEGEND

(SD) ADDRESSABLE PHOTOELECTRIC SMOKE DETECTOR. SILENT KNIGHT SD505-APS CSFM#7272-0559:0129 (STANDBY .55mA/ALARM .55mA)

(AV) AUDIO/VISUAL DEVICE. GENTEX #GEC3-24-2415WR CSFM#7135-0569:0123 15 CANDELA @ 0.042A. HORN @ 0.049A.

WP WEATHERPROOF EXTERIOR HORN W/ WBB BOX. WHEELOCK MT 12-24 WP BOX CSFM#7135-0785:0118 @ 0.049A.

WIRING LEGEND

——— FA2 ——— 1"C. (2) 2#18/2 TWISTED PAIR + 8#12
——— F2 ——— 3/4"C. 8#12
——— F1 ——— 3/4"C. 4#12

(SD) EXISTING ADDRESSABLE PHOTOELECTRIC SMOKE DETECTOR.
(HD) EXISTING ADDRESSABLE ATTIC MOUNTED HEAT DETECTOR.
(AV)H EXISTING WALL MOUNTED AUDIO/VISUAL DEVICE.
(F)H EXISTING WALL MOUNTED VISUAL DEVICE.
WP WEATHERPROOF EXTERIOR HORN W/ WBB BOX. WHEELOCK MT 12-24 WP BOX

EXISTING WIRING LEGEND

——— XFA2 ——— 1"C. (2) 2#18/2 TWISTED PAIR + 4#12
——— XF2 ——— 3/4"C. 4#12
——— XF1 ——— 3/4"C. 2#12

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OXNARD UNION HIGH SCHOOL DISTRICT

PACIFICA HIGH SCHOOL TRACK & FIELD IMPROVEMENTS - INC 2

600 E. GONZALES RD, OXNARD, CA. 93036

LICENSED ARCHITECT — JAY R. TITTLE — No. C-21135 — Exp. 11-30-21 — STATE OF CALIFORNIA

REGISTERED PROFESSIONAL ENGINEER — ANTONIO BAUTISTA — NO. E21480 — Exp. 6-30-2020 — ELECTRICAL — STATE OF CALIFORNIA

Engineous Group, Inc.
751 N. Fair Oaks Ave., Suite 201
Pasadena, CA 91103
Phone: (626) 696-3850

DSA SUBMITTAL

12/02/19

NO.	REASON	DATE

PRINCIPAL IN CHARGE
BSA

PROJECT MANAGER
AO/DLE

DESIGN TEAM
DLE

PACIFICA HIGH SCHOOL TRACK & FIELD IMPROVEMENTS - INC 2

612-123-5303

NEW GATEWAYS 1 & 2 FIRE ALARM PLANS

E-203

GENERAL NOTES:

SCOPE OF WORK

Remove existing top section of pole, all existing light fixtures & cross–arm supports from top of (6) existing poles and replace with new top pole section, new light fixtures & new cross–arm supports as indicated. Remove existing ballast boxes & add new ballast boxes as indicated.

APPLICABLE BUILDING CODE

All construction and workmanship shall conform to the 2016 California Building Code, California Code of Regulations – Title 24, Parts 1 & 2.

This pole and foundation standard has been designed for lateral loads on the completed structure as follows:

Wind Design Data:
- Vult = 110 MPH (Exposure C); Vasd = 85 MPH (Exposure C)
- Risk Category = II

Seismic Design Data:
- Ie = 1.0
- Risk Category = II (Self Supporting Poles)
- S_S = 2.618
- S_1 = 0.970
- Site Class = D
- S_{DS} = 1.745
- S_{D1} = 0.970
- Seismic Design Category = E
- Basic Seismic–Force–Resisting System = Non–Building Structure, not similar to buildings
- Cs = 0.517 (STRENGTH LEVEL)
- R = 1.5
- Analysis Procedure = Equivalent Lateral Force Procedure
- See Pole Foundation Schedule for maximum pole seismic forces.

GENERAL CONSTRUCTION

These notes shall be used in conjunction with the plans and any discrepancies shall be brought to the attention of the Engineer.

Contractor must check all dimensions, clearances and job conditions before starting work. Engineer shall be notified immediately of any discrepancies or possible deficiencies.

The drawings and specifications represent the finished structure. All bracing, temporary supports, shoring, etc., is the sole responsibility of the Contractor. Observation visits to the job site by the Engineer do not include inspection of construction procedures. The Contractor is solely responsible for all construction methods and for safety conditions at the worksite. These visits shall not be construed as continuous and detailed inspections.

Design, material, equipment, and products other than those described below or indicated on the drawings may be considered for use, provided prior approval is obtained from the School District, Engineer, and the Division of the State Architect.

All changes in approved plans shall be made by means of construction change documents (CCD) approved by the Division of State Architect, as required by Section 4–338, Part 1, Title 24, CCR. All CCD documents shall be signed by the Architect and Owner. Addenda shall be signed by the design professional in general responsible charge.

Substitutions shall be considered as a CCD and shall be approved by DSA prior to fabrication or use.

A Class 1 or Class 2 Project Inspector employed by the District (Owner) and approved by the Division of State Architect shall provide continuous inspection of the work, the duties of the Inspector are defined in Section 4–342, Part 1, Title 24, CCR.

All Tests And Inspections shall be performed by an Independent lab employed by the School District and approved by DSA.

Reference pole location drawings provided by the Architect, Structural Engineer, or Electrical Engineer for actual pole placement and site location.

STEEL POLE

All miscellaneous structural steel items confrom to AISC 360–10.

All weldment conforms with AWS D1.1 specification for GMAW fillet utilizing E70S–X filler metal or SAW fillet utilizing F7XX–EXXX or F8XX–EXXX filler metal.
GMAW procedure conforms to AWS A5.18.
SAW procedure conforms to AWS A5.23.

All field welding shall be in compliance with AWS D1.1 specification.

All welding shall be continously inspected by an AWS CWI certified inspector approved by DSA.

All exposed steel shall be hot dipped galvanized to ASTM A123 latest standards.

TESTING AND INSPECTION

Testing and inspection in accordance with Title 24, Part 1 & Part 2.

STEEL MATERIALS:
Structural steel – 2203A.1 & 2205A.1
Cold formed steel – 2210A.1
Identification – 2203A.1

STEEL QUALITY:
Tests of structural steel & cold formed steel – 2203A.1
Non–destructive weld tests – 1705A.2.5 & DSA IR–17–2

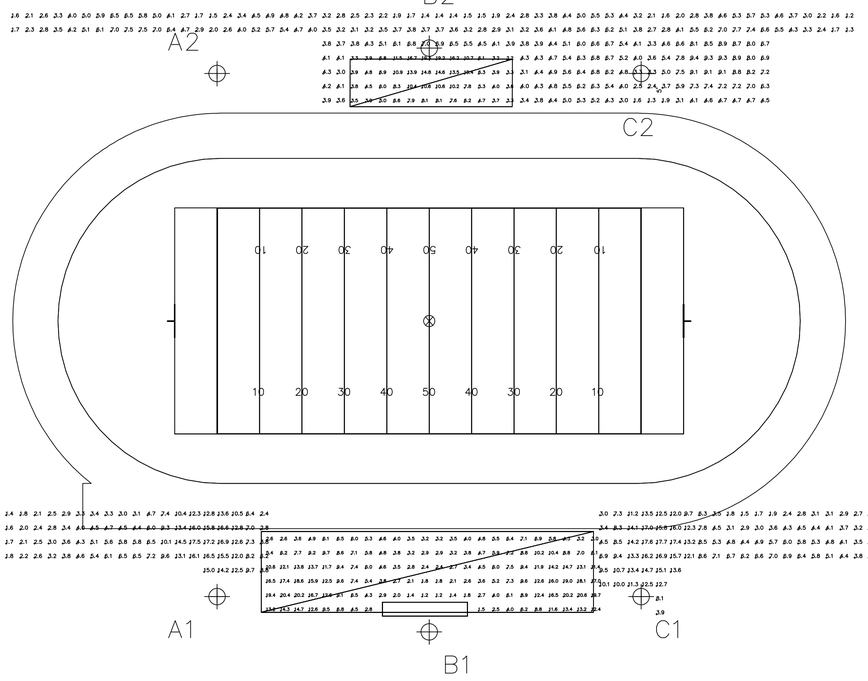
STRUCTURAL STEEL INSPECTIONS: Table 1705A.2.1
Shop fabrication inspection – 1704A2.5
Welding – 1705A.2.5, DSA IR 17–3 and AWS D1.1.

NOTE: Field verify existing pole conditions & repair any defects, if found. Repair procedures and details to be reviewed and approved by Structural Engineer of Record and DSA.

COMPARATIVE ANALYSIS OF LOAD DEMAND ON EXISTING INVERTER FOR STADIUM EGRESS LIGHTING

Existing Egress Light Poles (A#03-100370)	# of Fixtures	Total Volt-Amperes
A1	3	5250
B1	3	5250
C1	1	1750
A2	2	3500
B2	3	5250
C2	3	5250
	Total Usage:	**26,250**

Egress Light Poles	# of Fixtures	Total Volt-Amperes
A1	(3) LED-600	1740
B1	0	
C1	(3) LED-600	1740
A2	(2) LED-600	1160
B2	(1) LED-400	400
C2	(2) LED-600	1160
	Total Usage:	**6,200**



POLE ORIENTATION PLAN

N.T.S.

NOTE: THIS PLAN IS A PICTORAL REPRESENTATION OF THE SITE LAYOUT.
REFERENCE APPROPRIATE ARCHITECTURAL SITE PLAN FOR ALL
NECESSARY INFORMATION.

These plans are for construction approval. An application number and approval of these drawings by the Division of The State Architect of California must be secured to build from these plans.

INDEX OF SHEETS

Exist Pole (As–Built)	Pole height ft	Type Fixtures	Number fixtures	EPA/Fixture sq ft (1)	Total EPA sq ft	Weight/fixture lbs(2)	Total Fixtures Weight lbs	Weight Elect. Ballast Per Fixture lbs	Total ballast Weight lbs	Pole weight lbs	Total weight lbs		
A1, A2, C1, C2	91'–3½"	SC–2	16	2.8	44.8	25	400	50	800	3,614	5,082	Max. % Weight Difference	Max. % EPA Difference
		Speaker	4	6.1	24.5	67	269	–	–				
B1, B2	100'–0"	SC–2	19	2.8	53.2	25	475	50	950	4,689	6,382		
		Speaker	4	6.1	24.5	67	269	–	–				
Exist Pole (As–Modified)	Pole height ft	Type Fixtures	Number fixtures	EPA/ Fixtures sq ft	Total EPA sq ft	Weight/fixture lbs	Total Fixtures Weight lbs	Weight Elect. Driver Per Fixture lbs	Total Elect. Driver Weight lbs	Pole weight lbs	Total weight lbs		
A1, A2, C1, C2	91'–3½"	LED1500	5	3.4	16.9	92.8	464	20	200	3,614	4,847	–4.62	–23.83
		LED600	2	2.4	4.8	60.5	121						
		LED600(3)	1	2.0	2.0	71.0	71						
		LED575	2	2.3	4.5	54.5	109						
		Speaker	4	6.1	24.5	67	269	–	–				
B1, B2	100'–0"	LED1500	4	3.5	13.9	92.8	371	20	180	4,689	5,950	–6.77	–27.65
			4	3.5	13.9	92.8	371						
		LED400(4)	1	3.8	3.8	71.0	71						
		Speaker	4	6.1	24.5	67	269	–	–				

1. EPA VALUES OF EXISTING FIXTURES WERE TAKEN FROM DSA APPROVED DRAWINGS A#03–100370 SHEET S1 FOR A1, A2, C1, C2 POLES, AND SHEET S2 FOR B1, B2 POLES.

2. WEIGHTS OF EXISTING FIXTURES WERE TAKEN FROM DSA APPROVED DRAWINGS A#03–100370 SHEET S1 FOR A1, A2, C1, C2 POLES, AND SHEET S2 FOR B1, B2 POLES.

3. THIS FIXTURE ONLY OCCURS ON POLES A1 & C1

4. THIS FIXTURE ONLY OCCURS ON POLE B2

DSA–TITLE1_E

Pacifica High School Stadium
FIELD LIGHTING
Oxnard, CA

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DATE: 12/12/2019

REGISTERED PROFESSIONAL ENGINEER · KYLE NEWBURN · No. 4506 · Exp. 6-30-21 · STRUCTURAL · STATE OF CALIFORNIA

CONSULTANT
KNA STRUCTURAL ENGINEERS
993 Mariposa Street #5, Irvine, CA 92618
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www.knastructural.com
KNA JOB NO.: 363.515

CORPORATE OFFICE:
P.O. Box 808
100 1st Avenue West
Oskaloosa, Iowa 52577
800/825–6020

musco Lighting

DRAWING TITLE: NOTES, FOUNDATION DETAIL
SCALE: SEE PLAN
REVISIONS:
REFERENCE:

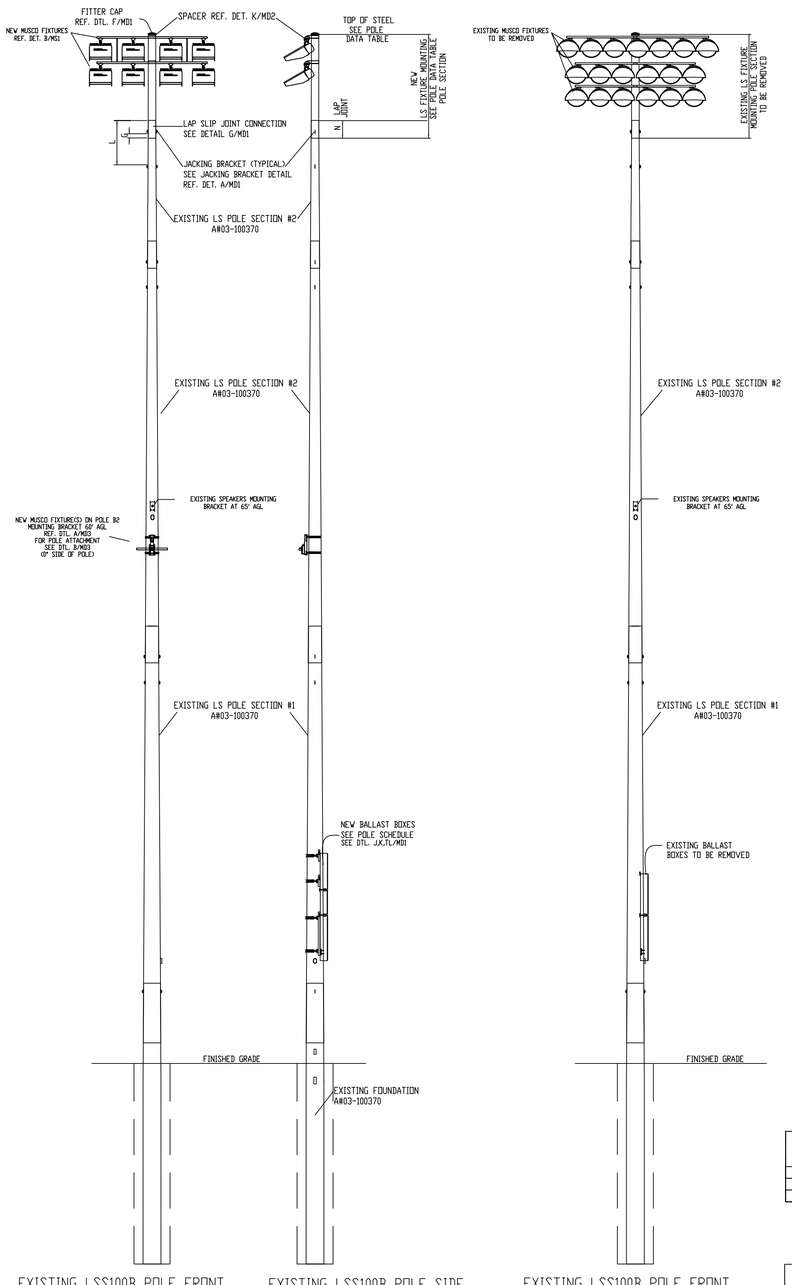
PROJECT NO. 200792

DATE: 11/27/2019

DRAWN BY: Bcarter

DRAWING NO. MT1

1 OF 6



EXISTING LSS100B POLE FRONT VIEW (AS-MODIFIED)

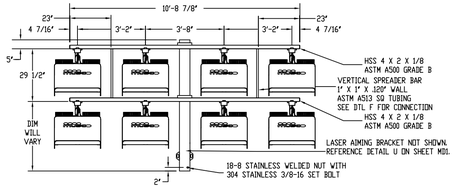
N.T.S.

EXISTING LSS100B POLE SIDE VIEW (AS-MODIFIED)

N.T.S.

EXISTING LSS100B POLE FRONT VIEW (AS-BUILT)

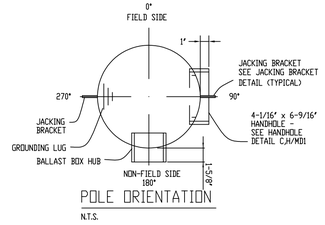
N.T.S.



B 8 FIXTURE CONFIGURATION

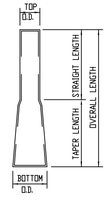
N.T.S. DSA-8C-1500_A

NOTATION	DIMENSION
	LSS100B
G	1'-6"
L	5'-6 1/2" NOM.
N	2'-2" NOM. 1'-9 5/8" MIN.



POLE ORIENTATION

N.T.S.



FIXTURE MOUNTING
POLE SECTION

1. CONTAINS COMBINED EPA OF LIGHT FIXTURES, CROSS ARM AND MISCELLANEOUS FIXTURE MOUNTING APPARATUS.

FIXTURE WEIGHT 92.8 LBS. THIS INCLUDES THE WEIGHT OF FIXTURE, CROSS ARM & MISC. MOUNTING APPARATUS. ELECTRICAL BALLAST BOX WEIGHT 20 LBS PER FIXTURE SERVICED

POLE SCHEDULE

SITE LOCATION	POLE MARK	REFERENCE LOCATION	POLE TYPE	FIXTURE CONFIGURATION	TOTAL EPA[1]	BALLAST BOX REQUIREMENTS
SEE SITE PLAN (BY OTHERS)	B2	SEE POLE ORIENTATION PLAN	LSS100B	8 - SEE DETAIL B/MS1	27.9	SEE DETAIL TL,D/MD1
	B1	SEE POLE ORIENTATION PLAN	LSS100B	8 - SEE DETAIL B/MS1		SEE DETAIL TL,/MD1

DSA-POLESCHE_C

POLE DATA TABLE

POLE TYPE	PIECE MARK	MAX NUMBER OF X-Arms	POLE SECTION	TOP O.D. (INCHES)	BTM. O.D. (INCHES)	OVERALL LENGTH	STRAIGHT LENGTH	TAPER LENGTH	THICKNESS (INCHES)	TOP OF STEEL NOMINAL	ASTM REFERENCE
LSS100B	LS-053	2	FIXTURE MOUNTING	8.625"	9.131"	7'-8 1/2"	5'-6 1/2"	2'-2"	.125	100'-0"	A513 (Fy=38ksi)

DSA-100BDT_J

DSA-SM_A

Pacifica High School Stadium
FIELD LIGHTING
Oxnard, CA

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REGISTERED PROFESSIONAL ENGINEER * KYNDAL * No. M 36521 Exp. 6-30-21 * STRUCTURAL * STATE OF CALIFORNIA

CONSULTANT
KNA STRUCTURAL ENGINEERS
9911 Irvine Center Drive, Irvine, CA 92618
Tel (949) 462-3200 • Fax (949) 462-3201
www.knastructural.com
KNA JOB NO.: 363.515

CORPORATE OFFICE:
P.O. Box 808
100 1st Avenue West
Oskaloosa, Iowa 52577
800/825-6020

musco lighting

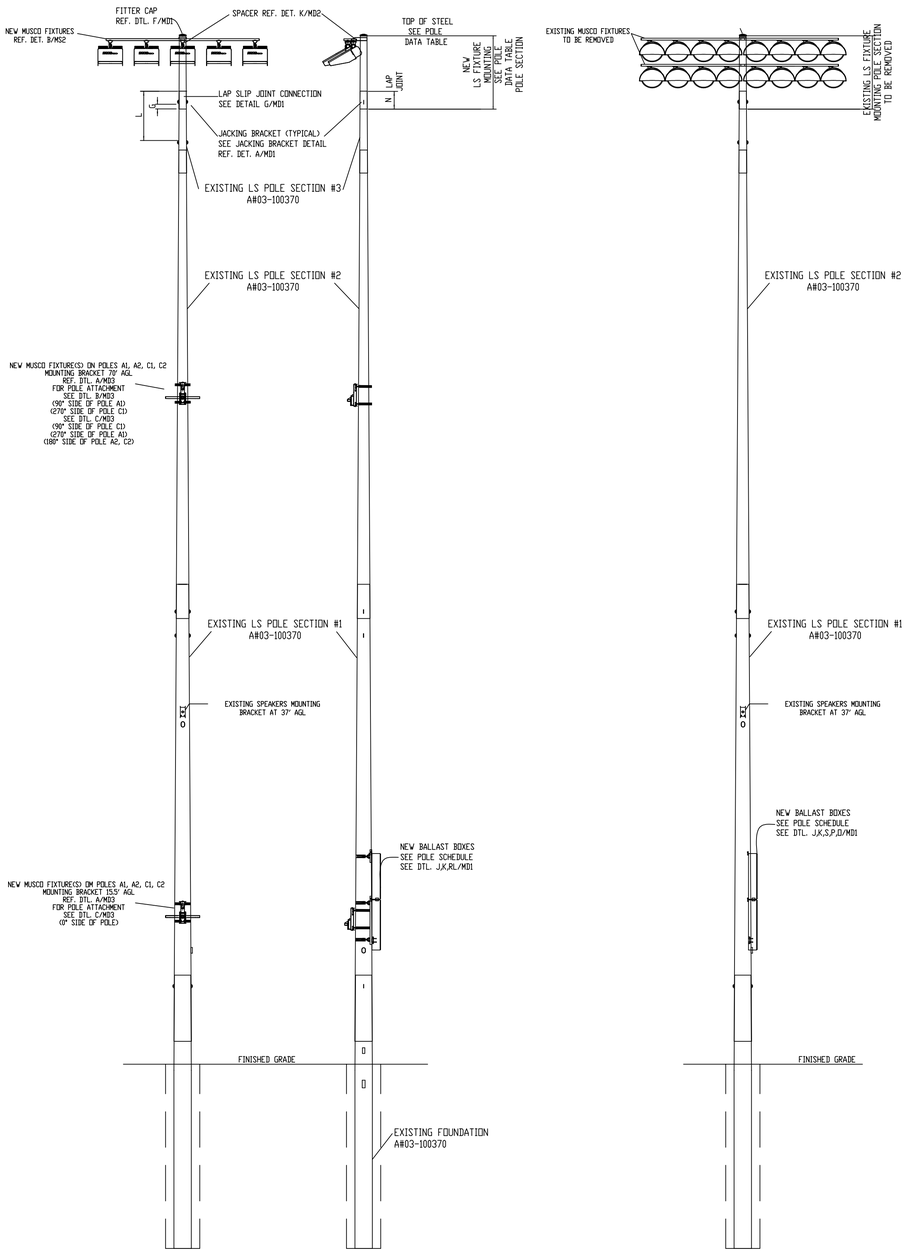
DRAWING TITLE: POLE DETAIL
SCALE: SEE PLAN
REVISIONS:
REFERENCE:

PROJECT NO. 200792

DATE: 11/27/2019

DRAWN BY: Bcarter

DRAWING NO. MS1
2 OF 6



EXISTING LSS90A POLE FRONT VIEW (AS-MODIFIED)

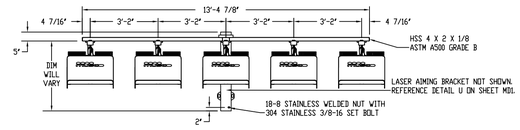
N.T.S.

EXISTING LSS90A POLE SIDE VIEW (AS-MODIFIED)

N.T.S.

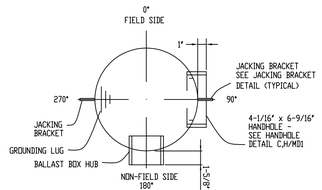
EXISTING LSS90A POLE FRONT VIEW (AS-BUILT)

N.T.S.



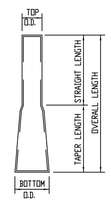
B 5 FIXTURE CONFIGURATION

N.T.S. DSA-SC-1500_A



POLE ORIENTATION

N.T.S.



FIXTURE MOUNTING
POLE SECTION

NOTATION	DIMENSION
	LSS90A
G	1'-6"
L	4'-11 1/2" NOM.
N	2'-0" NOM. 1'-5 5/8" MIN.

1. CONTAINS COMBINED EPA OF LIGHT FIXTURES, CROSS ARM AND MISCELLANEOUS FIXTURE MOUNTING APPARATUS.

FIXTURE WEIGHT 92.8 LBS. THIS INCLUDES THE WEIGHT OF FIXTURE, CROSS ARM & MISC. MOUNTING APPARATUS. ELECTRICAL BALLAST BOX WEIGHT 20 LBS PER FIXTURE SERVICED.

POLE SCHEDULE

SITE LOCATION	POLE MARK	REFERENCE LOCATION	POLE TYPE	FIXTURE CONFIGURATION	TOTAL EPA[1]	BALLAST BOX REQUIREMENTS
SEE SITE PLAN (BY OTHERS)	A1	SEE POLE ORIENTATION PLAN	LSS90A	5 - SEE DETAIL B/MS2	16.9	SEE DETAIL S,P/M01
	C1	SEE POLE ORIENTATION PLAN	LSS90A	5 - SEE DETAIL B/MS2		SEE DETAIL S,P/M01
	A2, C2	SEE POLE ORIENTATION PLAN	LSS90A	5 - SEE DETAIL B/MS2		SEE DETAIL S,D/M01

POLE DATA TABLE

POLE TYPE	PIECE MARK	MAX NUMBER of X-Arms	POLE SECTION	TOP O.D. (INCHES)	BTM. O.D. (INCHES)	OVERALL LENGTH	STRAIGHT LENGTH	TAPER LENGTH	THICKNESS (INCHES)	TOP OF STEEL NOMINAL	ASTM REFERENCE
LSS90A	LS-042	1	FIXTURE MOUNTING	7.000"	7.548"	5'-3"	3'-3"	2'-0"	.125	91'-3 1/2"	A513 (Fy=38ksi)

DSA-90A01_J

DSA-90_A

Pacifica High School Complex
FIELD LIGHTING
Oxnard, CA

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REGISTERED PROFESSIONAL ENGINEER ★ KYNDEL ★ STRUCTURAL ★ STATE OF CALIFORNIA
No. 45516 Exp. 6-30-21

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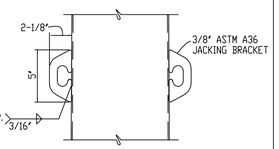
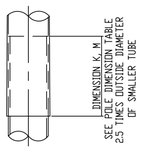
musco Lighting

DRAWING TITLE: POLE DETAIL
SCALE: SEE PLAN
REVISIONS:
REFERENCE:

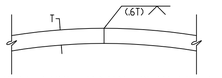
PROJECT NO. 200792
DATE: 11/27/2019
DRAWN BY: Bcarter
DRAWING NO. MS2
3 OF 6



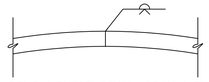
A JACKING BRACKET DETAIL
N.T.S. DSA-3RDSHEET_T



G SLIP JOINT CONNECTION DETAIL
N.T.S. DSA-LAP

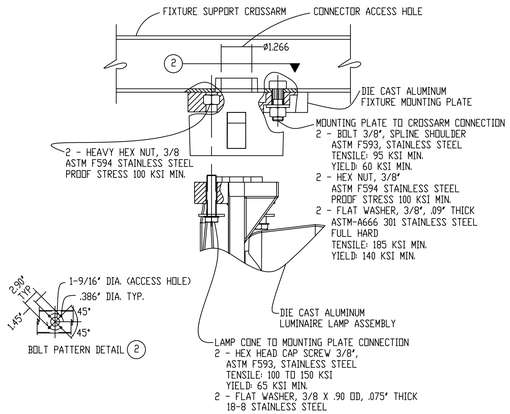


POLE LONGITUDINAL SEAM WELD DETAIL TYPICAL CONDITION *
N.T.S. DSA-3RDSHEET_T

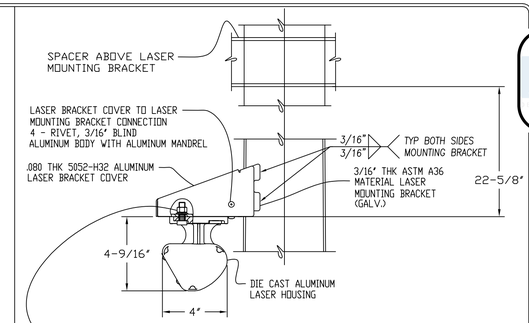


POLE LONGITUDINAL SEAM WELD DETAIL AT LAP SPLICES (FEMALE END) *
N.T.S. DSA-3RDSHEET_T

* NOTE- 100% PENETRATION SEAM WELDS MAY BE PROVIDED FULL LENGTH OF POLE SHAFTS PROVIDED WPS'S ARE QUALIFIED BY TEST.



E LUMINAIRE ATTACHMENT DETAIL
N.T.S. DSA-3RDSHEET_T



U LASER AIMING BRACKET
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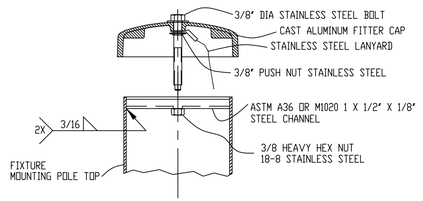

F FITTER CAP DETAIL
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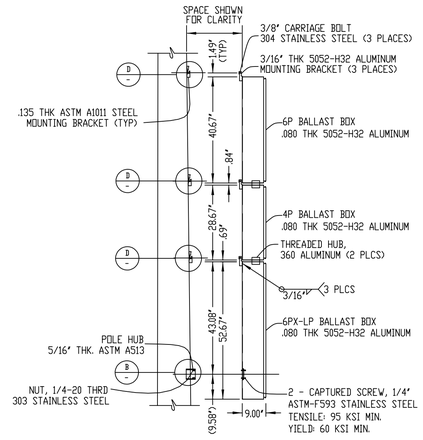
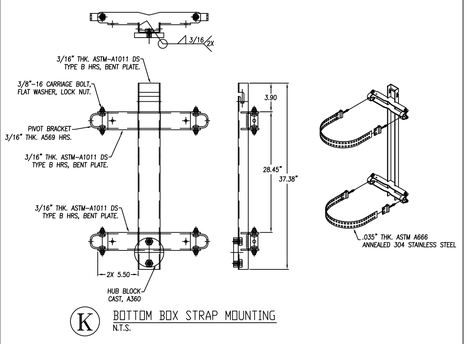
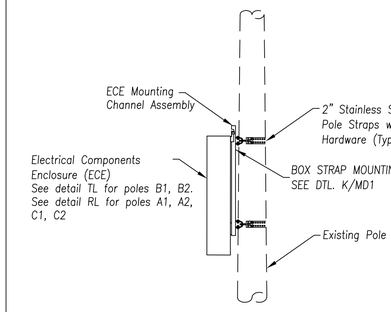


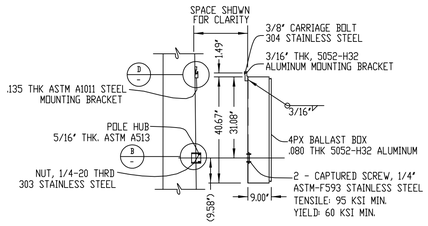
6P/4P/6PX-LP
TL BALLAST BOX CONNECTION DETAIL
N.T.S. STRU-6P4P6PXLP_F



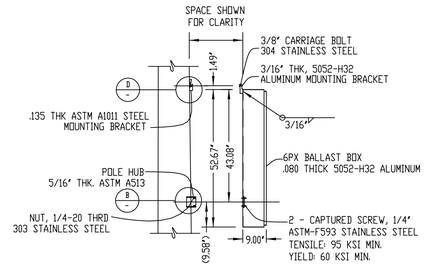
K BOTTOM BOX STRAP MOUNTING
N.T.S.



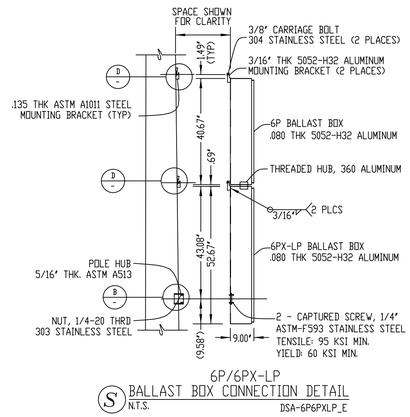
J BALLAST BOX CONNECTION DETAIL
N.T.S.



4PX
O BALLAST BOX CONNECTION DETAIL
N.T.S. DSA-4PX_E



6PX
P BALLAST BOX CONNECTION DETAIL
N.T.S. DSA-6PX_E



6P/6PX-LP
S BALLAST BOX CONNECTION DETAIL
N.T.S. DSA-6P6PXLP_E

STRU-MD1

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Pacifica High School
FIELD LIGHTIN
Oxnard, CA

REGISTERED ENGINEER * KINNEY * No. 4656 Exp. 6-30-21 * STRUCTURAL * STATE OF CALIFORNIA

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REVISIONS:
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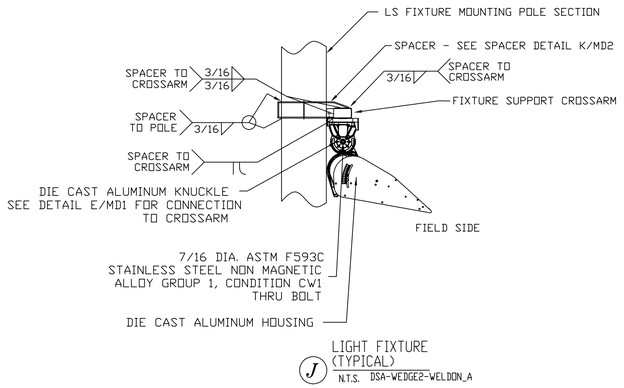
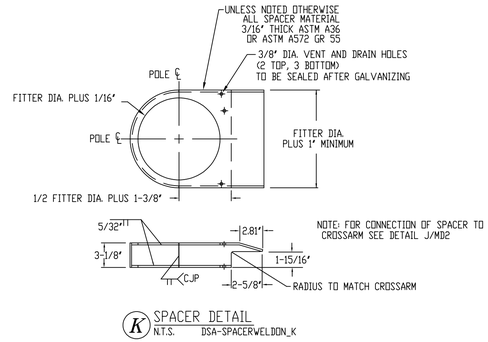


J LIGHT FIXTURE (TYPICAL)
N.T.S. DSA-WEDGE2-WELDON_A



K SPACER DETAIL
N.T.S. DSA-SPACERWELDON_K

DSA-SHEET_1

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Pacifica High School
FIELD LIGHTIN
Oxnard,CA

REGISTERED PROFESSIONAL ENGINEER ★ KINNEY ★ No. 4656 Exp. 6-30-21 ★ STATE OF CALIFORNIA ★ STRUCTURAL

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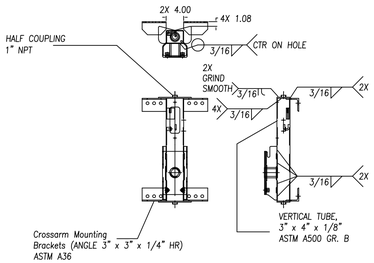
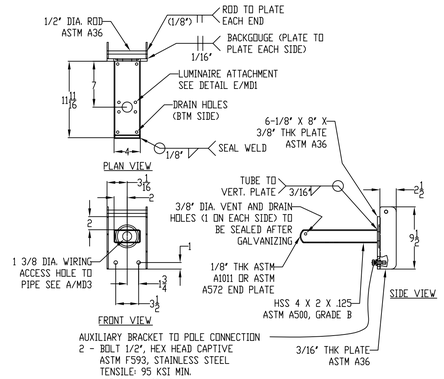
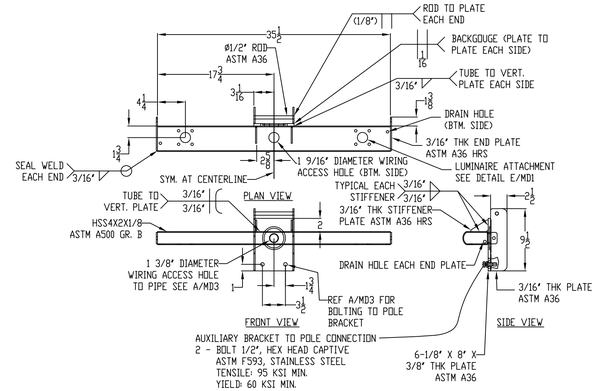
DRAWING NO. 5 OF 6 MD2



A AUX. FIXTURE MOUNTING
N.T.S.



B 1P AUXILIARY MOUNTING BRACKET
N.T.S. DSA-1P FIXTURE MOUNT_E



C 2P AUXILIARY MOUNTING BRACKET
N.T.S. DSA-2P FIXTURE MOUNT_E

DSA-3030EXT_T

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Pacifica High School
FIELD LIGHTIN
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