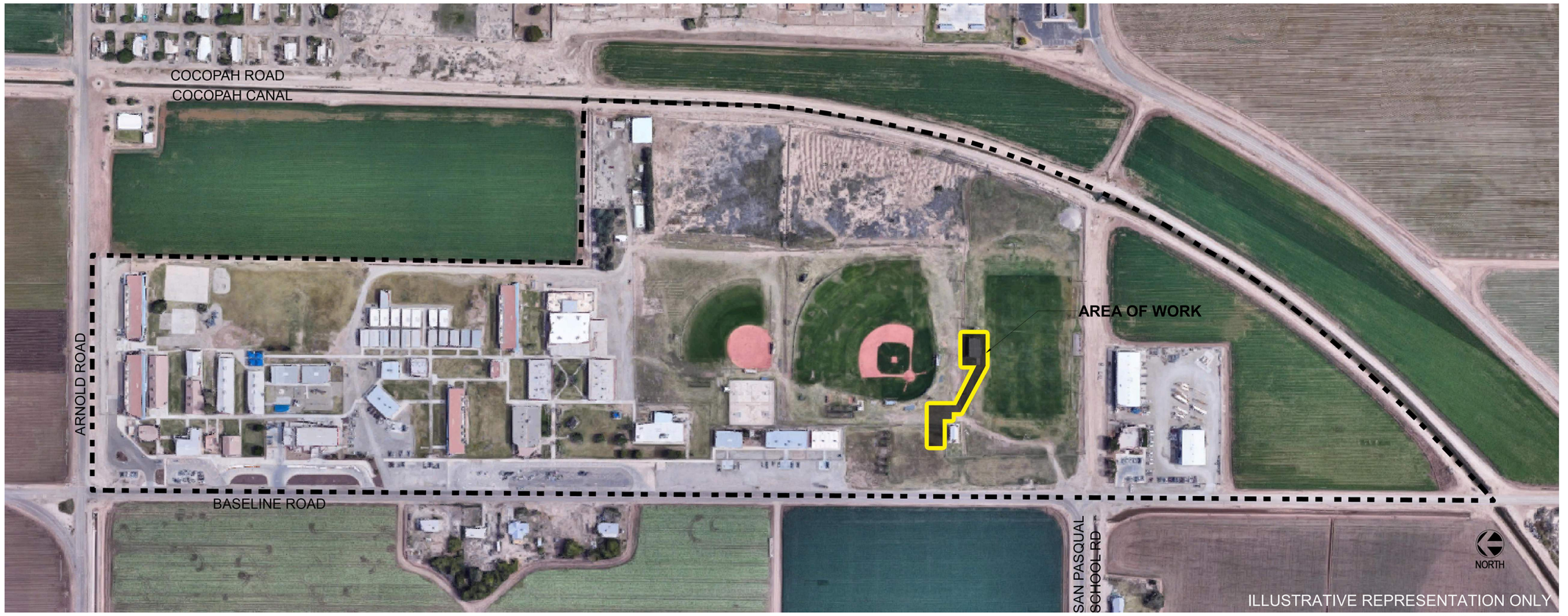
SAN PASQUAL VALLEY UNIFIED SCHOOL DISTRICT
676 BASELINE ROAD, WINTERHAVEN, CA 92283
SAN PASQUAL VALLEY HIGH SCHOOL BLEACHER & RESTROOM REPLACEMENT



DSA PROJECT NUMBER: 04-120409

SCOPE OF WORK

THE PROJECT INCLUDES THE CONSTRUCTION OF NEW GRANDSTAND BLEACHERS AT THE HIGH SCHOOL FOOTBALL FIELD. A NEW BUILDING #310 WITH RESTROOMS AND CONCESSION FUNCTIONS FOR THE SPORTS FIELDS, AND ASSOCIATED SITE WORK.

ARCHITECT

LORD ARCHITECTURE INC.
11650 IBERIA PL., SUITE 210
SAN DIEGO, CA 92128

CONTACT:
KATHERINE I. LORD
KLORD@LORDARCHITECTURE.COM
(858) 485-6980

STRUCTURAL ENGINEER

OGONZALEZ INC. ENGINEERS
3708 VIEWVERDE
BONITA, CA 91902

CONTACT:
OSCAR GONZALEZ
ogonzalez@cox.net
(619) 871-5344

MECHANICAL ENGINEER

MERRICK + ASSOCIATES
9606 TIERRA GRANDE ST., SUITE 206
SAN DIEGO, CA 92126

CONTACT:
DAVID MERRICK
DAVID@MERRICKASSOCIATES.COM
(858) 549-9980

ELECTRICAL ENGINEER

JOHNSON CONSULTING ENGINEERS
12875 BROOKPRINTER PL., SUITE 300
POWAY, CA 92064

CONTACT:
JOHN FRISBIE
JFRISBIE@JCE-INC.COM
(858) 649-4030

OWNER

SAN PASQUAL VALLEY UNIFIED SCHOOL DISTRICT
676 BASELINE ROAD
WINTERHAVEN, CA 92283

CONTACT:
KISH CURTIS
KCURTIS@SPVUSD.ORG
(760) 572-0222 EXT. 2092
CHIEF FINANCIAL OFFICER

APPROVED
DIV. OF THE STATE ARCHITECT
APP: 04-120409 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 08/31/2023

Lord Architecture Inc.
11650 Iberia Place, Suite 210
San Diego, CA 92128-2455
858-485-6980, 858-485-1510 fax

SAN PASQUAL VALLEY UNIFIED SCHOOL DISTRICT
SPVHS ATHLETIC FIELDS BLEACHER & RESTROOM REPLACEMENT
676 Baseline Rd, Winterhaven, CA 92283

SAN PASQUAL VALLEY
Unified School District

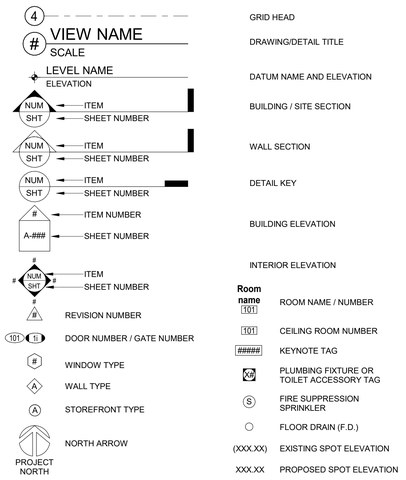
LICENSED ARCHITECT
KATHERINE I. LORD
No. C 14478
EXP. 02/25
STATE OF CALIFORNIA

Issue Schedule

No.	Description	Date
	DSA	9/8/21
	DSA V2	11/3/21
	DSA V3	11/30/21
1	REVISION 01	06/26/23

Sheet Title: COVER SHEET
Project Architect: KATHERINE LORD
Project Number: 1706-103

Sheet Number:
G-001



ABBREVIATIONS

&	AND
~	APPROXIMATELY
¢	CENTERLINE
°	DEGREES
Ø	DIAMETER
±	PLUS-MINUS
A.C./ASPH	ASPHALT CONCRETE PAVING
ADA	AMERICANS W/ DISABILITIES ACT
AFF	ABOVE FINISH FLOOR
AFG	ABOVE FINISHED GRADE
AFS	ABOVE FINISHED SURFACE
ALUM	ALUMINUM
ANOD	ANODIZED
BD	BEAD OR BOARD
BLDG	BUILDING
BLKG	BLOCKING
BM	BENCH MARK
B.O.	BOTTOM OF
CB	CATCH BASIN
CBU	CEMENTITIOUS BACKER UNIT
CDs	CONSTRUCTION DOCUMENTS
CF/CI	CONTRACTOR FURNISHED/ CONTRACTOR INSTALLED
CJ	CONTROL JOINT
CHLK	CHAINLINK
CL	CENTERLINE
CLG	CEILING
CLR	CLEAR
CMU	CONCRETE MASONRY UNIT
CO	CLEAN OUT
COL	COLUMN
COMP	COMPACTION
CONC	CONCRETE
CONT	CONTINUOUS
CONST	CONSTRUCTION
CPT	CARPET
CRK	ROOF CRICKET
CSFM	CALIF STATE FIRE MARSHAL
CT	CERAMIC TILE
DBL	DOUBLE
DEMO	DEMOLITION
DEPT	DEPARTMENT
DET	DETAIL
DIA	DIAMETER
DIAG	DIAGONAL
DIM	DIMENSION
DN	DOWN
DTL	DETAIL
DWG	DRAWING
(E)	EXISTING
EA	EACH
EJ	EXPANSION JOINT
ELEC	ELECTRICAL
ELEV	ELEVATION
EMB	EMBEDMENT
EQ	EQUAL
EQUIP	EQUIPMENT
EQUIV	EQUIVALENT
EXPAN	EXPANSION
EXIST	EXISTING
EXT	EXTERIOR
FAAC	FIRE ALARM ANNUNCIATOR PANEL
FAC	FACTORY
FEC	FIRE EXTINGUISHER CABINET
FD	FLOOR DRAIN
FF	FINISH FLOOR
FFE	FINISH FLOOR ELEVATIONS
FG	FINISH GRADE
FIN	FINISH
FLR	FLOOR
FOC	FACE OF CONCRETE
FOF	FACE OF FINISH
FOM	FACE OF MASONRY
FS	FINISH SURFACE
FT	FOOT
FTG	FOOTING
G	GUTTER
GA	GAUGE
GALV	GALVANIZED
GB	GRADE BREAK
GV	GATE VALVE
GWB	GYPSUM BOARD
GYP BD	GYPSUM BOARD
HC	HOLLOW CORE
HDPE	HIGH-DENSITY POLYETHYLENE
HORIZ	HORIZONTAL
HM	HOLLOW METAL
HP	HIGH POINT
HR	HOUR
HSS	HOLLOW STEEL SHAPE
HT	HEIGHT
HVAC	HEATING, VENTILATION & AIR CONDITIONING
IC	INSULATED CORE
IE	INVERT ELEVATION
INSUL	INSULATION
INT	INTERIOR
IRR	IRRIGATION
JT	JOINT
LA	LANDSCAPE AREA
LP	LOW POINT
MANUF	MANUFACTURER
MAX	MAXIMUM
MECH	MECHANICAL
MFR	MANUFACTURER
MH	MANHOLE
MIN	MINIMUM
MO	MASONRY OPENING
MTD	MOUNTED
MTL	METAL
(N)	NEW
NIC	NOT IN CONTRACT
NIS	NOT IN SCOPE (PROJECT)
NO	NUMBER
NOM	NOMINAL
NTS	NOT TO SCALE
O.C.	ON-CENTER
O.D.	OUTSIDE DIAMETER
OF/CI	OWNER FURNISHED/ CONTRACTOR INSTALLED
OF/OI	OWNER FURNISHED/ OWNER INSTALLED
OH	OPPOSITE HAND OR OVERHEAD
OLF	OCCUPANT LOAD FACTOR
OPNG	OPENING
OPP	OPPOSITE
PA	PEDESTRIAN ACCESS
PL	PROPERTY LINE
PLAM	PLASTIC LAMINATE
PLUMB	PLUMBING
PLYWD	PLYWOOD
P.O.T.	ACCESSIBLE PATH-OF-TRAVEL
PSF	PER SQUARE FOOT
PSI	PER SQUARE INCH
P.T.	PRESSURE TREATED
PTD	PAINTED
PVC	POLYVINYL CHLORIDE
(R)	RELOCATED
R	RADIUS
RB	RESILIENT BASE
RCP	REFLECTED CEILING PLAN
RD	ROOF DRAIN
REL	RELATIVE
REQ	REQUIRED
REV	REVISION
RM	ROOM
R.O.	ROUGH OPENING
RS	ROOF SURFACE
S	SEWER
SAFM	SELF-ADHERED FLASHING MEMBRANE
SC	SOLID CORE
SCHED	SCHEDULE
SD	STORM DRAIN
SDMH	STORM-DRAIN MANHOLE
SECT	SECTION
SF	SQUARE FOOT
SHT	SHEET
SHTG	SHEATHING
SIM	SIMILAR
SMH	SEWER MANHOLE
SPEC	SPECIFICATIONS
SS	STAINLESS STEEL
STD	STAINED
STL	STEEL
STRUCT	STRUCTURAL
SUSP	SUSPENDED
SWR	SEWER
T&G	TONGUE AND GROOVE
TC	TOP OF CURB
TF	TOP OF FOOTING
TG	TOP OF GRATE
THRU	THROUGH
T.O.	TOP OF
TS	TUBE STEEL
TYP	TYPICAL
TW	TOP OF WALL
UG	UNDERGROUND
UNO	UNLESS NOTED OTHERWISE
UON	UNLESS OTHERWISE NOTED
VCP	VITRIFIED CLAY PIPE
VCT	VINYL COMPOSITION TILE
VERT	VERTICAL
VIF	VERIFY IN FIELD
W	WATER
W/	WITH
W/O	WITH OUT
WC	WATER CLOSET
WD	WOOD
WM	WATER METER

SCHOOL NOTES

1. CHANGES TO THE APPROVED DRAWINGS AND SPECIFICATIONS SHALL BE MADE BY AN ADDENDUM OR A CONSTRUCTION CHANGE DOCUMENT (CCD), SIGNED BY THE ARCHITECT, AND APPROVED BY THE DIVISION OF THE STATE ARCHITECT (DSA), AS REQUIRED BY SECTION 4-338,-PART 1. TITLE 24 (CCR). WHEN APPLICABLE, CCD'S SHALL ALSO BE SIGNED BY THE STRUCTURAL ENGINEER AND DELEGATED PROFESSIONAL ENGINEER.
2. "SHOULD ANY EXISTING CONDITIONS SUCH AS DETERIORATION OR NON-COMPLYING CONSTRUCTION BE DISCOVERED WHICH IS NOT COVERED BY THE DSA APPROVED DOCUMENTS WHEREIN THE FINISHED WORK WILL NOT COMPLY WITH TITLE 24, CALIFORNIA CODE OF REGULATIONS, A CONSTRUCTION CHANGE DOCUMENT, OR A SEPARATE SET OF PLANS AND SPECIFICATIONS, DETAILING AND SPECIFYING THE REQUIRED REPAIR WORK, SHALL BE SUBMITTED TO AND APPROVED BY DSA BEFORE PROCEEDING WITH THE REPAIR WORK." (CAC, 2013M 4-317(c))
3. A DSA CERTIFIED PROJECT INSPECTOR EMPLOYED BY THE SCHOOL DISTRICT (OWNER) AND APPROVED BY THE ARCHITECT OF RECORD, STRUCTURAL ENGINEER (WHEN APPLICABLE) AND THE DIVISION OF THE STATE ARCHITECT (DSA) SHALL PROVIDE CONTINUOUS INSPECTION OF THE WORK. THE DUTIES OF THE INSPECTOR ARE DEFINED IN SECTION 4342 PART 1, TITLE 24 CALIFORNIA CODE OR REGULATIONS.
4. A DSA CERTIFIED CLASS 2 PROJECT INSPECTOR IS REQUIRED FOR THIS PROJECT.
5. IF WORK EXTENDS BEYOND THE START OF SCHOOL, WORKERS ARE ONLY ALLOWED IN THE AREAS APPROPRIATE TO THE WORK REQUIRED AND SHALL MAKE EVERY EFFORT NOT TO DISTURB STUDENTS OR FACILITY.
6. DRESS AND BEHAVIOR OF ALL CONSTRUCTION WORKERS SHALL BE APPROPRIATE TO A SCHOOL SITE AND BE ACCEPTABLE TO DISTRICT REPRESENTATIVES.
7. SMOKING SHALL NOT BE ALLOWED ON SCHOOL GROUNDS.
8. THE CONTRACTOR SHALL PROVIDE WHATEVER MEANS NECESSARY TO ASSURE THE PROTECTION OF STUDENTS AND FACULTY DURING THE COURSE OF CONSTRUCTION OPERATIONS.
9. THE CONTRACTOR SHALL NOTIFY DISTRICT PERSONNEL FOR ACCESS TO THE JOB SITE AND LOCATIONS FOR STORAGE AND MATERIALS. ANY FENCING REMOVED FOR ACCESS TO THE SITE SHALL BE REINSTALLED AND OR PREPARED TO THE ORIGINAL EXISTING CONDITIONS.
10. ALL WORK SHALL CONFORM TO 2019 TITLE 24, CALIFORNIA CODE OF REGULATIONS, PARTS 1-6 AND 9.
11. 2019 TITLE 24, PARTS 1-5 MUST BE KEPT ON SITE DURING CONSTRUCTION.
12. A TESTING LABORATORY DIRECTLY EMPLOYED BY THE DISTRICT (OWNER) SHALL CONDUCT ALL THE REQUIRED TESTS AND INSPECTIONS FOR THE PROJECT. THE TESTING LABORATORY MUST BE APPROVED BY ALL OF THE FOLLOWING: ARCHITECT OF RECORD, STRUCTURAL ENGINEER (WHEN APPLICABLE), AND DSA.
13. GRADING PLANS, DRAINAGE IMPROVEMENTS, ROAD AND ACCESS REQUIREMENTS AND ENVIRONMENTAL HEALTH CONSIDERATIONS SHALL COMPLY WITH ALL LOCAL ORDINANCES.
14. SUBSTITUTIONS AFFECTING DSA REGULATED ITEMS (E.G. MATERIALS, SYSTEMS, OR PRODUCTS, ETC.) SHALL BE CONSIDERED AS A CONSTRUCTION CHANGE DOCUMENT (CCD) OR ADDENDA AND SHALL BE SUBMITTED AND APPROVED BY DSA PRIOR TO FABRICATION AND INSTALLATION, (CAC SECTION 4-338 (b)).
15. 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 WHERE IN 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. (SECTION 4-317(c), PART 1, TITLE 24, CCR)

ACCESS COMPLIANCE NOTES

1. WALKS ALONG AN ACCESSIBLE PATHWAY SHALL HAVE A CONTINUOUS COMMON SURFACE NOT INTERRUPTED BY STEPS OR BY ABRUPT CHANGES IN LEVEL EXCEEDING 1/4" IN HEIGHT.
2. WALKS ALONG AN ACCESSIBLE PATHWAY SHALL BE A MINIMUM OF 48" WIDE. THE SURFACE SHALL BE SLIP RESISTANT AS THAT DESCRIBED AS A MEDIUM SANDED FINISH IF THE SLOPE IS LESS THAN 6 PERCENT. THE SURFACE SHALL BE SLIP RESISTANT IF THE SLOPE IS 6 PERCENT OR GREATER. THE CROSS SLOPE SHALL NOT EXCEED 1/4" PER FOOT. PROVIDE NOT LESS THAN 80" HEADROOM FROM ALL WALKWAY SURFACES TO OBSTRUCTIONS.
3. WHEN THE SLOPE OF THE DIRECTION OF TRAVEL OF ANY WALK ALONG AN ACCESSIBLE PATHWAY EXCEEDS 1 VERTICAL TO 20 HORIZONTAL, IT SHALL COMPLY WITH THE PROVISIONS FOR PEDESTRIAN RAMPS. RAMP SLOPES SHALL NOT TO EXCEED 1 VERTICAL TO 12 HORIZONTAL. THE CROSS SLOPES SHALL NOT TO EXCEED 1 VERTICAL TO 50 HORIZONTAL. RAMP SURFACES SHALL BE SLIP RESISTANT.
4. ABRUPT CHANGES IN LEVEL ALONG ANY ACCESSIBLE ROUTE SHALL NOT EXCEED 1/2" INCH. WHEN 1/2" CHANGES DO OCCUR, THEY SHALL BE BEVELED WITH A SLOPE NOT EXCEEDING 1 VERTICAL TO 2 HORIZONTAL EXCEPT THAT LEVEL CHANGES NOT EXCEEDING 1/4" MAY BE VERTICAL.
5. WALKS ALONG AN ACCESSIBLE PATHWAY SHALL BE PROVIDED WITH A LEVEL AREA NOT LESS THAN 60" X 60" AT A DOOR OR GATE THAT SWINGS TOWARDS THE WALK, AND NOT LESS THAN 48" WIDE X 44" DEEP AT A DOOR OR GATE THAT SWINGS AWAY FROM THE WALK. SUCH WALKS SHALL EXTEND 24" TO THE SIDE OF THE STRIKE EDGE OF A DOOR OR GATE THAT SWINGS TOWARDS THE WALK.
6. HAND ACTIVATED DOOR OPENING HARDWARE SHALL BE CENTERED BETWEEN 34" AND 44" ABOVE THE FLOOR. LATCHING AND LOCKING DOORS THAT ARE HAND ACTIVATED AND IN THE PATH OF TRAVEL SHALL BE OPERABLE WITH A SINGLE EFFORT BY LEVER TYPE HARDWARE, 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 OPERATE AS ABOVE IN EXIT DIRECTION. MAXIMUM EFFORT TO OPERATE DOORS SHALL NOT EXCEED 5 POUNDS FOR EXTERIOR DOORS AND 5 POUNDS FOR INTERIOR DOORS. AT FIRE RATED DOORS, THE MAXIMUM EFFORT TO OPERATE THE DOOR MAY BE INCREASED TO THE MAXIMUM ALLOWABLE BY DSA, NOT TO EXCEED 15 POUNDS.
7. THE BOTTOM TEN INCHES OF ALL DOORS SHALL HAVE A SMOOTH UNINTERRUPTED SURFACE ON THE PUSH SIDE OF THE DOOR.
8. THE DOORS TO BOY'S, GIRL'S, AND UNISEX TOILET ROOMS SHALL HAVE A 1/4" THICK IDENTIFICATION SYMBOL MOUNTED AT A HEIGHT OF 60". PROVIDE A 12" EQUILATERAL TRIANGLE WITH THE VORTEX POINTING UPWARDS FOR THE BOY'S, A 12" DIAMETER CIRCLE FOR THE GIRL'S AND A 12" EQUILATERAL TRIANGLE SUPERIMPOSED ON A 12" DIAMETER CIRCLE FOR THE UNISEX. ALSO PROVIDE A SIGN WITH RAISED LETTERS AND BRAILLE ON THE WALL ADJACENT FROM THE LATCH SIDE OF SUCH DOORS.
9. WATER CLOSET AND URINAL FLUSH VALVE CONTROLS, AND FAUCET AND OPERATING MECHANISM CONTROLS, SHALL BE OPERABLE WITH ONE HAND, SHALL NOT REQUIRE TIGHT GRASPING, PINCHING OR TWISTING OF THE WRIST, AND SHALL BE MOUNTED NO MORE THAN 44" ABOVE THE FLOOR. THE FORCE REQUIRED TO ACTIVATE WATER CLOSET AND URINAL FLUSH VALVE CONTROLS, AND FAUCET CONTROLS FOR WATER CLOSET FLUSH VALVES SHALL BE MOUNTED ON THE WIDE SIDE OF THE TOILET AREAS. IF CLOSING VALVES ARE USED AT LAVATORIES, THEY SHALL REMAIN OPEN FOR AT LEAST 10 SECONDS.
10. THE HIGHEST AND LOWEST OPERABLE PART OF ALL CONTROLS, DISPENSERS, RECEPTACLES AND OTHER OPERABLE EQUIPMENT SHALL BE PLACED WITHIN ONE OF THE REACH RANGES SPECIFIED IN CBC SECTIONS 11B-309. CBC SECTION 11B-308.2 SPECIFIES A FORWARD APPROACH REACH OF 48" OFF THE FLOOR BUT NOT LOWER THAN 15" CBC SECTION 11B-308.3 SPECIFIES A SIDE APPROACH REACH OF 54" BUT NOT LOWER THAN 9". ELECTRICAL AND COMMUNICATION SYSTEM RECEPTACLES ON WALLS SHALL BE MOUNTED NO LESS THAN 15" ABOVE THE FLOOR PER CBC SECTION 11B-308.1.
11. WHERE PERMANENT IDENTIFICATION IS PROVIDED FOR ROOMS AND SPACES, RAISED LETTERS SHALL ALSO BE PROVIDED AND SHALL BE ACCOMPANIED BY BRAILLE.
12. SIGNAGE REQUIREMENTS OF CBC SECTION 11B-703 SHALL BE SATISFIED.
13. CLEAR FLOOR SPACE COMPLYING WITH SECTION 11B-304.3 THAT ALLOWS A FORWARD OR PARALLEL APPROACH BY A PERSON USING A WHEELCHAIR SHALL BE PROVIDED AT CONTROLS, DISPENSERS, RECEPTACLES, AND OTHER OPERABLE EQUIPMENT PER 11B-309.3.
14. CONTROLS AND OPERATING MECHANISMS SHALL BE OPERABLE WITH ONE HAND AND SHALL NOT REQUIRE TIGHT GRASPING, OR TWISTING OF THE WRIST. THE FORCE REQUIRED TO ACTIVATE CONTROLS SHALL BE NO GREATER THAN 5 POUNDS OF FORCE PER CBC SECTION 11B-309.4.
15. ALL BUILDING AND FACILITY ENTRANCES THAT ARE ACCESSIBLE TO AND USABLE BY PERSONS WITH DISABILITIES AND AT EVERY MAJOR JUNCTION ALONG OR LEADING TO AN ACCESSIBLE ROUTE OF TRAVEL SHALL BE IDENTIFIED WITH A SIGN DISPLAYING THE INTERNATIONAL SYMBOL OF ACCESSIBILITY AND WITH ADDITIONAL DIRECTIONAL SIGNS, AS REQUIRED, TO BE VISIBLE TO PERSONS ALONG APPROACHING CIRCULATION PATHS PER CBC SECTIONS 11B-216.6 AND 11B-216.9.2.

GENERAL NOTES

1. THE ARCHITECT OF RECORD RETAINS THE RIGHT TO MAKE FINAL JUDGEMENTS RELATIVE TO MODIFICATIONS OF THE SUBMITTAL DRAWINGS TO ENSURE COMPLIANCE OF THE DOCUMENTS WITH STANDARD ENGINEERING PRACTICE, APPLICABLE CODES, AND ARCHITECTURAL INTENT.
2. GEOTECHNICAL REPORT ARE AVAILABLE IN ELECTRONIC FORMAT UPON REQUEST.
3. GRADING PLANS, DRAINAGE IMPROVEMENTS, ROAD AND ACCESS REQUIREMENTS, AND ENVIRONMENTAL CONSIDERATIONS SHALL COMPLY WITH ALL APPLICABLE LOCAL ORDINANCES, IF APPLICABLE
4. ALL STANDARDS, MATERIALS AND WORKMANSHIP SHALL COMPLY WITH THE STATE BUILDING CODES, ORDINANCES, REGULATIONS AND LAWS.
5. ALL WORK SHALL CONFORM TO TITLE 24, CALIFORNIA CODE OF REGULATIONS (CCR) & SECTION 4-33.
6. ALL WORKERS SHALL WEAR APPROPRIATE SAFETY GEAR AND COMPLY WITH APPLICABLE SAFETY REGULATIONS.
7. DRESS AND BEHAVIOR OF ALL CONSTRUCTION WORKER SHALL BE APPROPRIATE TO A SCHOOL SITE AND BE ACCEPTABLE TO DISTRICT REPRESENTATIVES.
8. THERE SHALL BE NO POSSESSION OR CONSUMPTION OF ILLEGAL DRUGS, ALCOHOLIC BEVERAGES SMOKING ON THE JOB SITE BY ANY PERSON. ANY PERSON THAT DOES NOT COMPLY WITH THESE REQUIREMENTS SHALL BE DIRECTED TO LEAVE THE JOB SITE AND WILL NOT BE PERMITTED TO RETURN DURING THE REMAINDER OF THE CONTRACT.
9. OCCUPATIONAL SAFETY AND HEALTH, THESE DOCUMENTS, AND THE CONSTRUCTION HEREBY CONTEMPLATED, IS TO BE GOVERNED AT ALL TIMES BY APPLICABLE PROVISIONS OF THE CALIFORNIA OCCUPATIONAL SAFETY AND HEALTH ACT OF 1973, (CAL/OSHA) AND ALL UPDATES SINCE.
10. CONTRACTOR SHALL COMPLY WITH CALIFORNIA FIRE CODE INCLUDING CHAPTER 33 FOR FIRE SAFETY DURING CONSTRUCTION.
11. THE CONTRACTOR SHALL PROVIDE TEMPORARY FENCING AS NEEDED TO PROTECT THE WORK AREA AND REMAINING WORK FROM WEATHER AND OTHER INCLEMENT CONDITIONS. ANY DAMAGE INCURRED DUE TO FAILURE BY THE CONTRACTOR TO PROPERLY PROTECT SUCH WORK, SHALL BE REPAIRED AT CONTRACTORS EXPENSE.
12. CONTRACTOR TO COORDINATE BETWEEN THE REQUIREMENTS OF ALL THE DISCIPLINES, (ARCHITECTURAL, STRUCTURAL, PLUMBING, MECHANICAL, AND ELECTRICAL, ETC.) AND BETWEEN DRAWING AND SPECIFICATION REQUIREMENTS, IN ORDER THAT ALL ITEMS RELATING TO ONE ANOTHER SHOWN IN SEVERAL PLACES COORDINATE. NOTIFY ARCHITECT IMMEDIATELY REGARDING ANY ITEMS NOT COORDINATED.
13. CONTRACTOR WILL BE REQUIRED TO PROVIDE AND INSTALL ALL EQUIPMENT AND RELATED ITEMS AS SHOWN IN THESE DOCUMENTS AND AS SPECIFIED.
14. ALL DIMENSIONS SHOWN ARE FOR ESTIMATED PURPOSES ONLY. PRIOR TO BID, CONTRACTOR WILL BE REQUIRED TO VERIFY ALL DIMENSIONS AND AREAS TO RECEIVE DEMOLITION OF EXISTING MATERIALS AND INSTALLATION OF NEW CURBS, PIPING, CONDUIT, ETC. ANY DISCREPANCIES BETWEEN EXISTING CONDITIONS AND THESE PLANS SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT PRIOR TO BID. IN NO CASE SHALL WORKING DIMENSIONS BE SCALED FROM PLANS, SECTIONS, OR DETAILS ON THE DRAWINGS.
15. CONTRACTOR TO VERIFY ALL DIMENSIONS AND LOCATIONS OF EXISTING CONDITIONS ON THE JOB SITE PRIOR TO THE START OF WORK OR PORTIONS OF THE WORK. CONTRACTOR SHALL NOTIFY THE ARCHITECT IMMEDIATELY OF ANY DISCREPANCIES, ERRORS, OMISSIONS, OR INCONSISTENCIES IN THE CONTRACT DOCUMENTS. THE CONTRACTOR SHALL NOT PROCEED WITH THE WORK UNTIL A CLARIFICATION HAS BEEN ISSUED BY THE ARCHITECT. EXISTING CONDITIONS ARE INDICATED AS A RESULT OF INFORMATION SHOWN ON AVAILABLE DOCUMENTS. ANY DAMAGE TO EXISTING CONDITIONS IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR.
16. THE EXISTENCE OF LOCATION OF ANY UNDERGROUND UTILITIES, PIPES, AND/OR STRUCTURE SHOWN ON THESE PLANS WERE OBTAINED BY A SEARCH OF AVAILABLE RECORDS, TO THE BEST OF OUR KNOWLEDGE, EXISTING UTILITIES ARE AS SHOWN ON THESE PLANS. THE CONTRACTOR SHALL ASCERTAIN THE TRUE VERTICAL AND HORIZONTAL LOCATION AND SIZE OF ALL RELATED UTILITIES AND SHALL BE RESPONSIBLE FOR DAMAGE TO ANY PUBLIC OR PRIVATE UTILITIES, SHOWN OR NOT SHOWN HEREON.
17. ALL AREAS IN WHICH WORK IS DONE SHALL BE LEFT CLEAN AND IN GOOD REPAIR. ANY DAMAGE DONE TO THE EXISTING WORK BY THE CONTRACTOR OR ANY OF HIS SUBCONTRACTORS OF EMPLOYEES SHALL BE REPAIRED TO THE SATISFACTION OF THE ARCHITECT AND AT NO COST TO THE OWNER.
18. THE DESIGN ADEQUACY AND SAFETY OF ERECTION BRACING, SHORING, TEMPORARY SUPPORTS AND SCAFFOLDING IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR.
19. WHERE ANY CONFLICT OCCURS BETWEEN THE REQUIREMENTS OF FEDERAL, STATE LAWS, CODES, ORDINANCES, RULES AND REGULATIONS, THE MOST STRINGENT SHALL GOVERN.
20. WHERE SCOPE OF WORK EFFECTS EXISTING INTERIOR AND EXTERIOR FINISHES AND SURFACES, THOSE SURFACES SHALL BE PATCHED AND REPAIRED TO MATCH ORIGINAL EXISTING CONDITIONS.
21. IT IS THE CONTRACTORS RESPONSIBILITY TO DISPOSE OF ALL REMOVED AND/OR DEMOLISHED MATERIAL AND DEBRIS. ALL MATERIAL SHALL BE TAKEN TO A PUBLIC COUNTY OR CITY OPERATED DISPOSAL SITE.
22. ANYTHING REMOVED FOR THE PURPOSE OF FACILITATION OF CONSTRUCTION SHALL BE REPLACED IN A MANNER MEETING TODAY'S CODE.
23. ITEMS MARKED 'TYPICAL' SHALL APPLY IN ALL CASES UNLESS SPECIFICALLY INDICATED OTHERWISE.
24. ALL-WEATHER ACCESS ROADS CAPABLE OF SUPPORTING 78,000 LBS., TOPPED WITH ASPHALT, CONCRETE, OR EQUIVALENT, SHALL BE IN LACE AND HYDRANTS SHALL BE OPERATIONAL DURING CONSTRUCTION.
25. ACCESS ROADS AND HYDRANTS SHALL BE MAINTAINED AND REMAIN CLEAR OF OBSTRUCTIONS AT ALL TIMES DURING AND AFTER CONSTRUCTION.
26. AREAS WHERE PARKING IS NOT PERMITTED SHALL BE CLEARLY IDENTIFIED AT ALL TIMES.
27. TEMPORARY FUEL TANKS OF 60 OR MORE GALLONS SHALL BE REVIEWED, INSPECTED, AND PERMITTED BY THE FIRE DEPARTMENT PRIOR TO USE.
28. THE PROJECT ADDRESS SHALL BE CLEARLY POSTED AND VISIBLE FROM THE PUBLIC ROAD DURING CONSTRUCTION.
29. ALL GATES IN CONSTRUCTION FENCING SHALL BE EQUIPPED WITH EITHER A KNOX OR BREAKAWAY PADLOCK.
30. VEHICULAR ACCESS MUST BE MAINTAINED SERVICEABLE THROUGHOUT CONSTRUCTION.
31. COMMERCIAL DUMPSTERS OR CONTAINERS WITH AN INDIVIDUAL CAPACITY OF 1.5 CUBIC YARDS OR GREATER SHALL NOT BE STORED OR PLACED WITHIN FIVE FEET OF COMBUSTIBLE WALLS, OPENINGS OR COMBUSTIBLE ROOF EAVE LINES UNLESS AREAS CONTAINING DUMPSTERS ARE PROTECTED BY AN APPROVED SPRINKLER SYSTEM. (FIRE CODE 1103.2.2)
32. CONTRACTOR'S OPERATIONS SHALL NOT BLOCK, HINDER, IMPEDED OR OTHERWISE INHIBIT THE USE OF REQUIRED EXITS AT ANY TIME. CONTRACTOR SHALL MAINTAIN UNOBSTRUCTED ACCESS TO FIRE EXTINGUISHERS, FIRE HYDRANTS, TEMPORARY FIRE PROTECTION FACILITIES, STAIRWAYS, AND OTHER ACCESS ROUTES FOR FIRE-FIGHTING EQUIPMENT AND/OR PERSONNEL.

DRAWING SHEET INDEX

PAGE COUNT	SHEET NO.	SHEET NAME	DISCIPLINE
GENERAL			
1	G-001	COVER SHEET	GENERAL
2	G-002	GENERAL NOTES, ABBREVIATIONS, SHEET INDEX	GENERAL
3	G-003	FIRE ACCESS SITE PLAN	GENERAL
4	G-004	ENVELOPE CERTIFICATE OF COMPLIANCE	GENERAL
ARCHITECTURAL			
5	A-100	OVERALL SITE PLAN	ARCHITECTURAL
6	A-101	ENLARGED SITE PLAN - PROJECT AREA	ARCHITECTURAL
7	A-102	DEMOLITION SITE PLAN	ARCHITECTURAL
8	A-103	FENCING PLAN	ARCHITECTURAL
9	A-401	MARQUEE SIGN FLOOR PLAN, ELEVATIONS, SCHEDULE & DETAILS	ARCHITECTURAL
10	A-402	MARQUEE SIGN SECTIONS & DETAILS	ARCHITECTURAL
11	A-403	MARQUEE SIGN ROOF PLAN & DETAILS	ARCHITECTURAL
12	A-500	DETAILS - SITE	ARCHITECTURAL
13	A-501	DETAILS - SITE	ARCHITECTURAL
STRUCTURAL			
14	S-001	GENERAL NOTES	STRUCTURAL
15	S-111	FOUNDATION AND ROOF FRAMING PLAN	STRUCTURAL
16	S-501	TYPICAL DETAILS	STRUCTURAL
17	S-701	DETAILS AND WALL ELEVATIONS	STRUCTURAL
18	S-801	FRAMING DETAILS	STRUCTURAL
ELECTRICAL			
19	E1.0	ELECTRICAL LEGEND AND NOTES	ELECTRICAL
20	E1.1	OVERALL SITE PLAN	ELECTRICAL
21	E2.1	ELECTRICAL SPECIFICATIONS	ELECTRICAL
BLEACHER/GRANDSTAND			
22	B1	COVER PAGE	BLEACHER/GRANDSTAND
23	B2	GENERAL NOTES	BLEACHER/GRANDSTAND
24	B3	FOOTING LAYOUT	BLEACHER/GRANDSTAND
25	B3.1	FOOTING LAYOUT	BLEACHER/GRANDSTAND
26	B4	UNDERSTRUCTURE LAYOUT	BLEACHER/GRANDSTAND
27	B4.1	ELEVATION VIEW	BLEACHER/GRANDSTAND
28	B5	SECTION VIEW	BLEACHER/GRANDSTAND
29	B6	SECTION VIEW	BLEACHER/GRANDSTAND
30	B7	SIGHT LINES	BLEACHER/GRANDSTAND
31	B8	SEATING LAYOUT	BLEACHER/GRANDSTAND
32	B9	EXIT DETAILS	BLEACHER/GRANDSTAND
33	B10	SEAT BRACKET LAYOUT	BLEACHER/GRANDSTAND
34	B11	ROOF CANOPY DETAILS	BLEACHER/GRANDSTAND
35	B12	PLANK DETAILS	BLEACHER/GRANDSTAND
36	B13	EXIT DETAILS	BLEACHER/GRANDSTAND
37	B14	EXIT DETAILS	BLEACHER/GRANDSTAND
38	B15	GRANDSTAND DETAILS	BLEACHER/GRANDSTAND
MODULAR DISPLAY			
39	1	STEWART SIGNS - ATLAS MODULA DISPLAY	MODULAR DISPLAY

Grand total: 39

ARCHITECTURAL SYMBOLS

PARTIAL LIST OF APPLICABLE CODES

2022	CALIFORNIA ADMINISTRATIVE CODE, PART 1, TITLE 24 C.C.R.
2022	CALIFORNIA BUILDING CODE (CBC), PART 2, TITLE 24 C.C.R.
2022	CALIFORNIA ELECTRICAL CODE (CEC), PART 3, TITLE 24 C.C.R.
2022	CALIFORNIA MECHANICAL CODE (CMC) PART 4, TITLE 24 C.C.R.
2022	CALIFORNIA PLUMBING CODE (CPC), PART 5, TITLE 24 C.C.R.
2022	CALIFORNIA ENERGY CODE (CEC), PART 6, TITLE 24 C.C.R.
2022	CALIFORNIA FIRE CODE, PART 9, TITLE 24 C.C.R.
2022	CALIFORNIA EXISTING BUILDIGN CODE (CEBC), PART 10, TITLE 24 C.C.R.
2022	CALIFORNIA GREEN BUILDING STANDARDS CODE, PART 11, TITLE 24 C.C.R.
2022	CALIFORNIA REFERENCED STANDARDS, PART 12, TITLE 24 C.C.R.
	TITLE 19 C.C.R., PUBLIC SAFETY, STATE FIRE MARSHAL REGULATIONS

PARTIAL LIST OF APPLICABLE STANDARDS

NFPA 13 - STANDARD FOR THE INSTALLATION OF SPRINKLER SYSTEMS, WITH 2022 AMENDMENTS	2022 EDITION
NFPA 17 - STANDARD FOR DRY CHEMICAL EXTINGUISHING SYSTEMS	2021 EDITION
NFPA 17A - STANDARD FOR WET CHEMICAL EXTINGUISHING SYSTEMS	2021 EDITION
NFPA 72 - NATIONAL FIRE ALARM AND SIGNALING CODE (CA AMENDED)	2022 EDITION
NFPA 80 - STANDARD FOR FIRE DOORS AND OTHER OPENING PROTECTIVES	2019 EDITION
NFPA 2001 - STANDARD ON CLEAN AGENT FIRE EXTINGUISHING SYSTEMS (CA AMENDED)	2018 EDITION
UL 464 - AUDIBLE SIGNALING DEVICES FOR FIRE ALARM AND SIGNALING SYSTEMS, INCLUDING ACCESSORIES	2003 EDITION
UL 521 - STANDARD FOR HEAT DETECTORS FOR FIRE PROTECTIVE SIGNALLING SYSTEMS	1999 EDITION
ICC 300 - STANDARD FOR BLEACHERS, FOLDING AND TELESCOPIC SEATING, & GRANDSTANDS	2017 EDITION

FOR A COMPLETE LIST OF APPLICABLE NFPA STANDARDS REFER TO 2019 CBC (SFM) CHAPTER 35 AND CALIFORNIA FIRE CODE CHAPTER 80.

SEE CALIFORNIA BUILDING CODE CHAPTER 35 FOR STATE OF CALIFORNIA AMENDMENTS TO THE NFPA STANDARDS.

PROJECT SUMMARY

NEW GRANDSTAND BLEACHERS FOR HIGH SCHOOL FOOTBALL FIELD TO REPLACE THE OLD AND NEW MARQUEE SIGN

PROJECT INFORMATION / CODE ANALYSIS

PROJECT ADDRESS:	676 BASELINE ROAD, WINTERHAVEN, CA 92283
ASSESSOR'S PARCEL NUMBER (APN):	056-330-023
COUNTY ZONING:	A-2-L-10
COUNTY PLANNING LAND-USE:	AGRICULTURE
BUILDING CONSTRUCTION TYPE:	
RESTROOM & CONCESSION BUILDING:	II-B
GRANDSTAND:	II-B
REQ. FIRE RESISTANCE RATINGS FOR BUILDING ELEMENTS: (CBC T.601)	
PRIMARY STRUCTURAL FRAME	0
EXTERIOR BEARING WALLS (PER CBC 704.10)	0
INTERIOR BEARING WALLS	0
INTERIOR NON-BEARING WALLS & PARTITIONS	0
FLOOR CONST. & ASSOCIATED SECONDARY MEMBERS	0
ROOF CONST. & ASSOCIATED SECONDARY MEMBERS	0
REQ. FIRE-RESISTANCE RATING FOR EXTERIOR WALLS BASED ON FIRE SEPARATION DISTANCE (CBC T.602)	0 (ALL SEPARATIONS ARE OVER 30'-0")
MAXIMUM AREA OF EXTERIOR WALL OPENINGS BASED ON FIRE SEPARATION DISTANCE AND DEGREE OF OPENING PROTECTION (CBC T.705.8)	NO LIMIT (ALL SEPARATIONS ARE OVER 30'-0")
MIN. ROOF COVERING CLASSIFICATION (CBC T.1505.1)	
RESTROOM & CONCESSION BUILDING:	C
GRANDSTAND:	C
BUILDING OCCUPANCY CLASS	
RESTROOM & CONCESSION BUILDING:	B
GRANDSTAND:	A-5
ALLOWABLE STORIES ABOVE GRADE (CBC T.504.4)	
RESTROOM & CONCESSION BUILDING:	3
GRANDSTAND:	UNLIMITED
PROPOSED STORIES ABOVE GRADE	
RESTROOM & CONCESSION BUILDING:	1 (COMPLIES)
GRANDSTAND:	1 (COMPLIES)
ALLOWABLE BUILDING HEIGHT IN FEET ABOVE GRADE (CBC T.504.3)	
RESTROOM & CONCESSION BUILDING:	55
GRANDSTAND:	55
PROPOSED BUILDING HEIGHT IN FEET ABOVE GRADE	
RESTROOM & CONCESSION BUILDING:	15'-7" (COMPLIES)
GRANDSTAND:	26'-4" (COMPLIES)
ALLOWABLE FLOOR AREA (GROSS) (CBC T.506.2)	
RESTROOM & CONCESSION BUILDING:	23,000
GRANDSTAND:	UNLIMITED
PROPOSED FLOOR AREA IN FEET (GROSS)	
RESTROOM & CONCESSION BUILDING:	870 (COMPLIES)
GRANDSTAND:	3,124 (COMPLIES)
PROPOSED OCCUPANT LOAD	
RESTROOM & CONCESSION BUILDNG:	6 (SEE DRAWING A-110)
GRANDSTAND:	505 (SEE DRAWING B8)
AUTOMATIC FIRE SPRINKLER SYSTEM:	NONE
EMERGENCY VOICE EVACUATION SYSTEM FOR THE ENTIRE BUILDING IS PROVIDED	
ELECTRICAL ROOM FIRE-RESISTANCE CONSTRUCTION LOCATED	NO RATING REQUIRED. ALL TRANSFORMERS ARE OUTDOORS.

VICINITY MAP

ALTERNATES

NONE

DEFERRED SUBMITTALS

NONE

APPROVED
DIV. OF THE STATE ARCHITECT
APP: 04-120409 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 08/31/2023

Lord Architecture Inc.
11650 Iberia Place, Suite 210
San Diego, CA 92128-2455
858-485-6980, 858-485-1510 fax

SAN PASQUAL VALLEY UNIFIED SCHOOL DISTRICT
SPVHS ATHLETIC FIELDS BLEACHER & RESTROOM REPLACEMENT
676 Baseline Rd, Winterhaven, CA 92283

SAN PASQUAL VALLEY
Unified School District

KATHERINE I. LORD
No. C 14478
EXP. 02/25

Issue Schedule

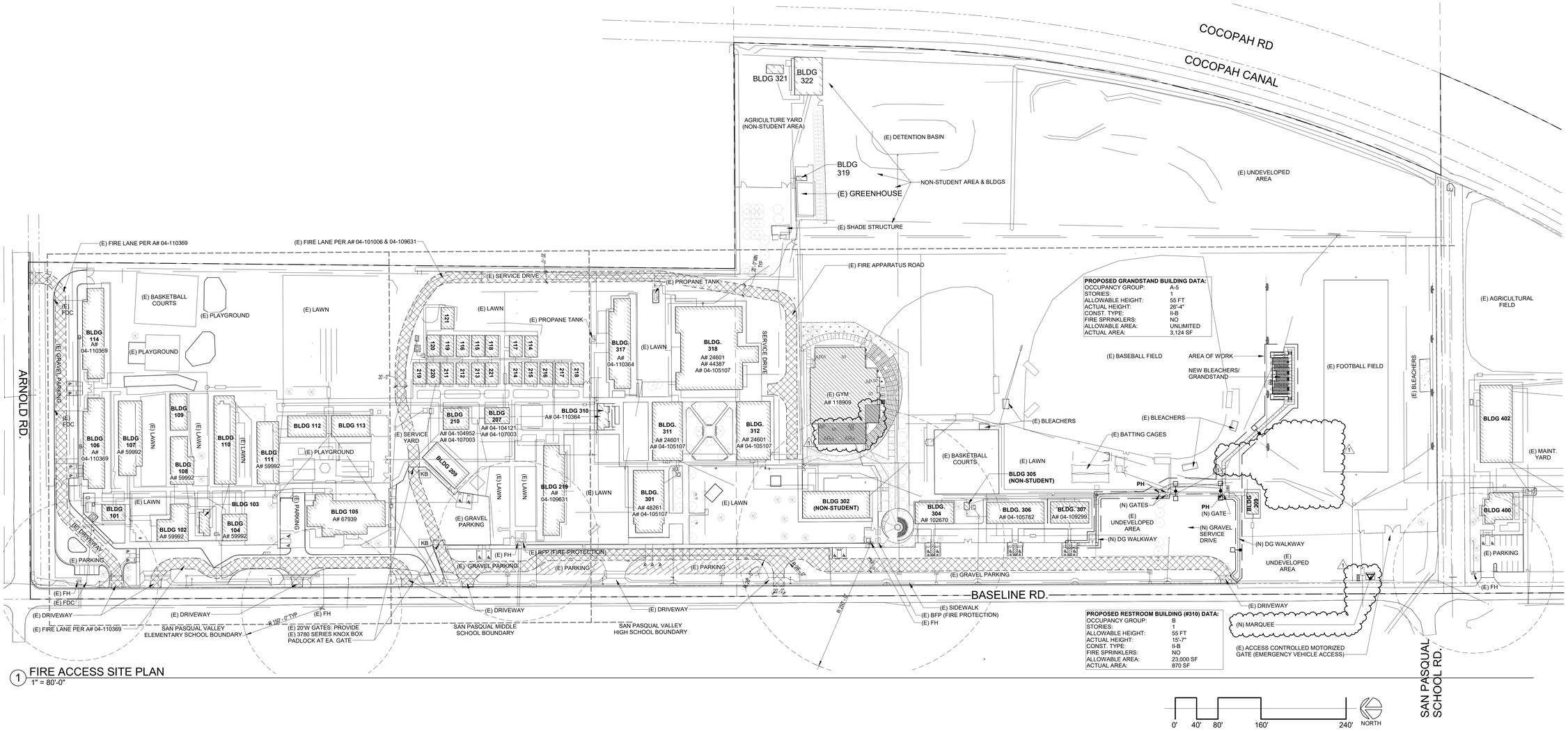
No.	Description	Date
	DSA	9/8/21
	DSA V2	11/3/21
	DSA V3	11/30/21
1	REVISION 01	06/26/23

Sheet Title:
GENERAL NOTES, ABBREVIATIONS, SHEET INDEX

Project Number:
1706-103

Project Architect:
KATHERINE LORD

Sheet Number:
G-002



1 FIRE ACCESS SITE PLAN
1" = 80'-0"

DSA 810

FIRE & LIFE SAFETY SITE CONDITIONS SUBMITTAL

Division of the State Architect (DSA) documents referenced within this publication are available on the DSA Forms or DSA Publications webpages.

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 through 3 below is to be provided for all project types indicated above. Information associated with items 4 through 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.

The Project Information and Fire & Life Safety Information sections are to be completed for all projects and imaged onto the fire access site plan. When an alternate design/means is proposed, all sections on pages 1 and 2 are to be completed and imaged on the fire access site plan.

For additional information refer to the instructions at the end of this form and DSA Policy *PL 09-01: Fire Flow for Buildings*.

PROJECT INFORMATION	
School District/Owner:	San Pasqual Valley Unified
Project Name/School:	Athletic Field Bleacher & Restroom Replacement/ San Pasqual Valley High School
Project Address:	676 Baseline Road, Winterhaven, CA 92283

FIRE & LIFE SAFETY INFORMATION				
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 (FHSZ) as established by Cal-Fire? *(If yes, indicate FHSZ classification below.)*	Yes ☐		No ☑
	Refer to the following website for FHSZ locations: http://egis.fire.ca.gov/FHSZ/	Moderate ☐	High ☐	Very High ☐
	Wildland Interface Area (WIFA) *(If any designations are checked, project design must meet the requirements of CBC Chapter 7A.)*			WIFA ☐

FIRE ACCESS LEGEND

- EXISTING BUILDINGS
- (E) FIRE APPARATUS ACCESS LANE PER DSA A# 04-109631 & A-118909
- PROPOSED (E) ACCESSIBLE RESTROOM LOCATION, REFER TO SHEET A-100 FOR FLOOR PLAN LAYOUT (1)
- AREA OF WORK
- HOSE PULL (DISTANCE IN FT)
- (E) FIRE HYDRANT
- (E) FIRE DEPARTMENT CONNECTION (FDC)
- (E) BFP (FIRE-LINE BACKFLOW PREVENTER
- KB — (E) OR (N) KNOX BOX, AS INDICATED
- FACP — (N) FIRE ALARM CONTROL PANEL
- PH — (N) PANIC HARDWARE ON GATE

GENERAL REQUIREMENTS

1. FIRE LANE WIDTHS SHALL BE MEASURED FROM TOP FACE OF THE CURB TO TOP FACE OF THE CURB FOR FIRE LANES WITH STANDARD CURBS AND GUTTERS, AND FROM FLOW-LINE FOR FIRE LANES WITH MODIFIED CURB DESIGNS (E.G., ROLLED, RAMPED, ETC.)
2. THE CONTRACTOR IS RESPONSIBLE TO VERIFY THAT ALL APPROVED PUBLIC WORKS OR GRADING DEPARTMENT STREET IMPROVEMENTS PLANS OR PRECISE GRADING PLANS CONFORM TO THE MINIMUM STREET WIDTH MEASUREMENTS PER APPROVED FIRE MASTER PLAN
3. FIRE LANE SIGNS AND RED CURBS SHALL MEET THE IMPERIAL COUNTY FIRE DEPARTMENT LANE REQUIREMENTS. ADDITIONAL FIRE LANE MARKINGS MAY BE REQUIRED AT THE TIME OF INSPECTION DEPENDING ON FIELD CONDITIONS.
4. ADDRESS NUMBERS SHALL BE LOCATED AND BE OF A COLOR AND SIZE SO AS TO BE PLAINLY VISIBLE AND LEGIBLE FROM THE ROADWAY FROM WHICH THE BUILDING IS ADDRESS. ADDRESS NUMBERS SHALL BE ILLUMINATED AT NIGHT.
5. ACCESS GATES SHALL BE APPROVED PRIOR INSTALLATION AND SHALL BE IN COMPLIANCE WITH CHAPTER 5 OF THE CFC AND IMPERIAL COUNTY FIRE DEPARTMENT REQUIREMENTS.
6. APPROVED ACCESS WALKWAYS SHALL BE PROVIDED TO ALL REQUIRED OPENINGS AND ALL RESCUE WINDOWS.
7. VEGETATION SHALL BE SELECTED AND MAINTAINED IN SUCH A MANNER AS TO ALLOW IMMEDIATE ACCESS TO ALL HYDRANTS, VALVES, AND FIRE DEPARTMENT CONNECTIONS, PULL STATIONS, EXTINGUISHERS, SPRINKLER RISERS, ALARM CONTROL PANELS, RESCUE WINDOWS, AND OTHER DEVICES OR AREAS USED FOR FIREFIGHTING PURPOSES. VEGETATION OR BUILDING FEATURES SHALL NOT OBSTRUCT ADDRESS NUMBERS OR INHIBIT THE FUNCTIONING OF ALARM BELL, HORNS OR STROBES.
8. DUMPSTERS AND TRASH CONTAINERS LARGER THAN 1.5 CUBIC YARDS SHALL NOT BE STORED IN BUILDINGS OR PLACED WITHIN 10 FEET OF COMBUSTIBLE WALLS, OPENINGS, OR COMBUSTIBLE ROOF EAVE LINES UNLESS PROTECTED BY AN APPROVED SPRINKLER SYSTEM.
9. ANY FUTURE MODIFICATION TO THE APPROVED FIRE MASTER PLAN OR APPROVED SITE PLAN, INCLUDING BUT NOT LIMITED TO ROAD WIDTH, GRADE, SPEED BUMPS, TURNING RADII, GATED OR OTHER OBSTRUCTIONS, SHALL REQUIRE REVIEW, INSPECTION, AND APPROVAL BY THE FIRE DEPARTMENT.
10. THIS PROJECT MAY BE SUBJECT TO ADDITIONAL REQUIREMENTS NOT STATED HERE-IN UPON EXAMINATION OF ACTUAL SITE AND PROJECT CONDITIONS OR DISCLOSURE OF ADDITIONAL INFORMATION.

FIRE ACCESS SITE PLAN NOTES

1. BUILDING UNDERGOING CONSTRUCTION, ALTERATION OR DEMOLITION SHALL BE IN ACCORDANCE WITH CFC CHAPTER 33 "FIRE SAFETY" DURING CONSTRUCTION AND DEMOLITION.
2. "SHOULD ANY EXISTING CONDITIONS SUCH AS DETERIORATION OR NON-COMPLYING CONSTRUCTION BE DISCOVERED WHICH IS NOT COVERED BY THE DSA APPROVED DOCUMENTS WHEREIN THE FINISHED WORK WILL NOT COMPLY WITH TITLE 24, CALIFORNIA CODE OF REGULATIONS, A CONSTRUCTION CHANGE DOCUMENT, OR A SEPARATE SET OF PLANS AND SPECIFICATIONS, DETAILING AND SPECIFYING THE REQUIRED REPAIR WORK SHALL BE SUBMITTED TO AND APPROVED BY DSA BEFORE PROCEEDING WITH THE REPAIR WORK." (CAC, 2013, 4-317(c))
3. PROVIDE EITHER A KNOXBOX WITH KEYS OR KNOX PADLOCK ON ALL FIRE LANE ACCESS GATES IF NONE EXISTS.
4. PAINT FIRE HYDRANTS YELLOW COLOR.
5. PROVIDE BLUE REFLECTIVE PAVEMENT MARKERS (BLUE DOTS) AT 6" FROM THE EDGE OF THE PAINTED CENTERLINE OR FROM THE APPROXIMATE CENTER OF THE STREETS WITHOUT A PAINTED CENTERLINE ON THE SIDE NEAREST THE HYDRANT.
6. SITE INSPECTIONS ARE REQUIRED FOR THIS PROJECT. PLEASE SCHEDULE ALL FIELD INSPECTIONS AT LEAST 24 HOURS IN ADVANCE. CALL THE IMPERIAL COUNTY FIRE DEPARTMENT PREVENTION DEPT. AT (442) 265-3000.
7. FIRE ACCESS SITE PLAN IS FOR CODE COMPLIANCE REVIEW AND INDICATES SPECIFIC REQUIREMENTS WHICH ARE TO BE MET. REFER TO CONSTRUCTION DRAWINGS FOR CONSTRUCTION INFORMATION ON NEW SITE ELEMENTS REFLECTED IN THE FIRE ACCESS SITE PLAN.

INSPECTION REQUIREMENTS - BUILDING UNDER CONSTRUCTION NOTES

1. A LUMBER DROP INSTALLATION SHALL BE PERFORMED PRIOR TO BRINGING COMBUSTIBLE MATERIALS OR COMBUSTIBLE FIXTURES AND FINISHES FOR STRUCTURES OF NON-COMBUSTIBLE CONSTRUCTION ONSITE.
2. ALL-WEATHER ACCESS ROADS CAPABLE OF SUPPORTING 78,000 LBS., TOPPED WITH ASPHALT, CONCRETE, OR EQUIVALENT SHALL BE IN PLACE AND HYDRANTS SHALL BE OPERATIONAL AT TIME OF LUMBER DROP INSPECTION.
3. FOR PROJECTS IN A WILDLAND INTERFACE AREA, A VEGETATION CLEARANCE INSPECTION IS REQUIRED PRIOR TO A LUMBER DROP INSPECTION.
4. AN ORIGINAL APPROVED, SIGNED, WET-STAMPED FIRE MASTER PLAN SHALL BE AVAILABLE ON-SITE AT TIME OF INSPECTION
5. ACCESS ROADS AND HYDRANTS SHALL BE MAINTAINED AND REMAIN CLEAR OF OBSTRUCTIONS AT ALL TIMES DURING AND AFTER CONSTRUCTION. AREAS WHERE PARKING IS NOT PERMITTED SHALL BE CLEARLY IDENTIFY AT ALL TIMES.
6. TEMPORARY FUEL TANKS OF 60 OR MORE GALLONS SHALL BE REVIEWED, INSPECTED, AND PERMITTED BY THE FIRE DEPARTMENT PRIOR TO USE.
7. THE PROJECT ADDRESS SHALL BE CLEARLY POSTED AND VISIBLE FROM THE PUBLIC ROAD DURING CONSTRUCTION
8. ALL GATES IN CONSTRUCTION FENCING SHALL BE EQUIPPED WITH EITHER A KNOX OR BREAKAWAY PADLOCK.
9. BUILDINGS OF FOUR OR MORE STORIES SHALL BE PROVIDED WITH STAIRS AND A STANDPIPE BEFORE REACHING 35 FEET IN HEIGHT.

APPROVED
DIV. OF THE STATE ARCHITECT
APP: 04-120409 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 08/31/2023

Lord Architecture Inc.
11650 Iberia Place, Suite 210
San Diego, CA 92128-2455
858-485-6980, 858-485-1510 fax

SAN PASQUAL VALLEY UNIFIED SCHOOL DISTRICT
SPVHS ATHLETIC FIELDS BLEACHER & RESTROOM REPLACEMENT
676 Baseline Rd, Winterhaven, CA 92283

SAN PASQUAL VALLEY Unified School District

LICENSED ARCHITECT KATHERINE I. LORD No. C 14478 EXP. 02/25 STATE OF CALIFORNIA

Issue Schedule

No.	Description	Date
	DSA	9/8/21
	DSA V2	11/3/21
	DSA V3	11/30/21
1	REVISION 01	06/26/23

Sheet Title: FIRE ACCESS SITE PLAN
Project Architect: KATHERINE LORD
Project Number: 1706-103

Sheet Number: G-003

This document is used to demonstrate compliance with mandatory requirements in §110.8(g) and §120.7(b) for newly constructed buildings, and §141.0(b)1 for alterations, related to roof, wall and floor assemblies. It is also used to demonstrate compliance with prescriptive requirements in §140.3 for newly constructed buildings, and §141.0 for additions and alterations, related to roof, wall, floor, door, fenestration and daylighting requirements.

Project Name:	San Pasqual Valley High School Athletic Fields Restroom	Report Page:	Page 1 of 7
Project Address:	676 Baseline Rd., Winterhaven, CA 92283	Date Prepared:	11/1/2021

A. GENERAL INFORMATION

01	Project Location (city)	Winterhaven	05	# of Stories (Habitable Above Grade)	1
02	Zipcode	92283	06	Total Conditioned Floor Area (ft²)	51
03	Climate Zone	15	07	Total Unconditioned Floor Area (ft²)	789
04	Occupancy Types Within Project (select all that apply): If one occupancy constitutes ≥ 80% of the conditioned floor area, the entire building envelope may be designed to comply with the provisions of that occupancy per §100.0(f).		08	☐ Project includes unconditioned enclosed space(s) > 5,000ft² under a roof with a ceiling height of at least 15ft.[1]	

☑ All Nonresidential, including Relocatable Public School Building certified for use in one climate zone
Occupancy: A / B / E / F / H / M / S / U

☐ Relocatable Public School Building for use in all climate zones
Occupancy: E

☐ High-Rise Residential
Occupancy: R-2 / R-3

☐ Hotel/Motel Guest Rooms
Occupancy: R-1

[1] *FOOTNOTE: Enclosed spaces > 5,000 ft² directly under roof with ceiling height > 15ft in climate zones 2 through 15 are required to meet the minimum daylighting requirements defined in §140.3(c). Compliance with §140.3(c) is documented in Table L. This is the only prescriptive requirement which applies to unconditioned spaces.*

B. PROJECT SCOPE

Table Instructions: Include any building envelopes that are within the scope of the permit application and are demonstrating compliance using the prescriptive paths outlined in §140.3, and §141.0(a)1 and §141.0(b)1 and 2 for additions and alterations.

My project consists of (check all that apply)	Component Types 01		02	
☑ New Construction or Newly Conditioned Space	☑ Roof	☑ Walls	☑ Exterior Doors	
☐ One or more enclosed spaces > 5,000 ft² directly under roof with ceiling height > 15ft		☐ Floors	☐ Fenestration/Glazed Door[1]	
☐ Addition of conditioned space	☐ Roof	☐ Walls	☐ Exterior Doors	
☐ One or more enclosed spaces > 5,000 ft² directly under roof with ceiling height > 15ft		☐ Floors	☐ Fenestration/Glazed Door[1]	
☐ Alteration of conditioned space	☐ Roof Assembly	☐ Walls	Exterior Doors NA for Alts.	
☐ One or more enclosed spaces > 5,000 ft² directly under roof with ceiling height > 15ft and lighting system installed for the first time	☐ Roofing Material	☐ Floors	☐ Fenestration	

[1] *FOOTNOTE: Doors that are more than 25% glass in area are considered Glazed Doors and should be documented on Table K with fenestration.*

Project Name:	San Pasqual Valley High School Athletic Fields Restroom	Report Page:	Page 2 of 7
Project Address:	676 Baseline Rd., Winterhaven, CA 92283	Date Prepared:	11/1/2021

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.

Opaque Envelope Components					Fenestration	Daylighting Spaces > 5,000 ft²	Compliance Results
Roof Assembly	Roofing Materials	Walls	Floors	Doors			
01	02	03	04	05	06	07	08
(See Table F)	(See Table G)	(See Table H)	(See Table I)	(See Table J)	(See Table K)	(See Table L)	
Yes	Yes	Yes		Yes			COMPLIES

D. EXCEPTIONAL CONDITIONS

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

Additional documentation for any assembly complying using "Approved Software" or "Other per JA4.1.2.1" to calculate design thermal performance may be requested by the plans examiner.

E. ADDITIONAL REMARKS

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

F. ROOF ASSEMBLY SCHEDULE

Table Instructions: Complete this table to demonstrate compliance with prescriptive roof assembly requirements in §140.3(a)1B for new construction or additions, or §141.0(b)2Biii for alterations.

01	Indicate roof types included in the project:	☐ Framed	☐ SIPs	☐ Span Deck & Concrete	☑ Metal Panels	☐ Metal Building

Metal Panel Assemblies

01	☐	Include Metal Panel Roof assemblies in Area-Weighted Average U-factor Calculation[1]			
02	03	04	05		06
Tag / Plan Detail ID	Name / Description	Status	Exception to Roof Insulation Requirements in §141.0(b)2Biii (Alts. Only)		Occupancy Type
MP4	Insulated Metal Panels	New			Nonresidential/ Relocatable 1 CZ ab

Table Continued

Project Name:	San Pasqual Valley High School Athletic Fields Restroom	Report Page:	Page 3 of 7
Project Address:	676 Baseline Rd., Winterhaven, CA 92283	Date Prepared:	11/1/2021

07	08	09	10	11	12		13
Tag / Plan Detail ID	How Design U-factor was determined	Panel Thickness (in)	Thermal Performance Unit	Required Thermal Performance	U-factor per Design		Net Area[2] (ft²)
MP4	Approved Software	6	U-factor	0.034	per JA4		
					per Software/ Other	0.0217	

[1] *FOOTNOTE: If any individual assembly is non-compliant, assemblies may show compliance using an area-weighted calculation. Metal building roofs may not be combined with other roof types. The area-weighted compliance option is not available for alterations demonstrating compliance with R-values in Table 141.0-C.*
[2] *Roof area minus any fenestration/skylight area.*

G. RATED ROOFING MATERIAL (COOL ROOF)

This Section Does Not Apply

G. RATED ROOFING MATERIAL (COOL ROOF)

Table Instructions: Complete this table to demonstrate compliance with prescriptive roof material requirements in §140.3(a)1A for new construction or additions, or §141.0(b)2B for alterations.

01	02	03	04	05	06	07
Tag / Plan Detail ID	Name / Description / Location	Status	Occupancy Type	Roof Slope	Roof Material	Compliance Method
MP4	Insulated Metal Panels	New	Nonresidential/ Relocatable 1 CZ	lo < 2:12 (Low)	Metal	3

08		09		10
Required Minimum Material Performance		Designed Material Performance		U-factor of Assembly
Reflectance	0.63	Reflectance[1]	70	
Emittance	0.75	Emittance	0.86	
SRI		SRI		

[1] *FOOTNOTE: If Solar Reflectance (Initial) is indicated in column 07, enter the Initial Reflectance here and the form will convert it to a "Calculated Aged Solar Reflectance" when determining compliance.*

Project Name:	San Pasqual Valley High School Athletic Fields Restroom	Report Page:	Page 4 of 7
Project Address:	676 Baseline Rd., Winterhaven, CA 92283	Date Prepared:	11/1/2021

H. WALL ASSEMBLY SCHEDULE

Table Instructions: Complete this table to demonstrate compliance with prescriptive wall assembly requirements in §140.3(a)2 and §140.3(a)3 for new construction or additions, or mandatory wall assembly requirements in §141.0(b)1B for alterations.

01	Indicate wall types included in the project:[1]	☑ Framed	☐ Mass (new only)	☐ Concrete Sandwich Panel (new only)	☐ SIPs	☐ ICF (new only)
		☐ Metal Panel	☐ Metal Building	☐ Spandrel/ Curtain Wall	☐ Straw Bale	☐ Log Home (new only)

[1] *FOOTNOTE: Wall types indicated above as "(new only)" do not have Title 24, Part 6 requirements for alterations. New construction and additions do have requirements and should be clicked above and compliance demonstrated within this table.*

Framed Walls

01	☐	Calculate Area-Weighted Average U-factor for Metal Framed Walls[1]										
02	☐	Include Wood Framed Walls in Area-Weighted Average U-factor Calculation[1]										
03	04	05	06	07	08	09	10	11	12			13
Tag/Plan Detail ID	Occupancy & Status	How Design U-factor was determined	Location	Frame Material, Spacing & Depth	Cavity Insulation per Design	Continuous Insulation per Design	Thermal Performance Unit	Required Thermal Performance[2]	U-factor per Design			Net Area[3] (ft²)
MP1 - MP3	Nonresidential / Relocatable / R 1 CZ: New	Approved Software	ftw Exterior	Metal 16" OC & 2x6 2x6	R- 19	R- 25	U-factor	0.062	per JA4			
									per Software/ Other	0.04		

[1] *FOOTNOTE: If any individual assembly is non-compliant, assemblies may show compliance using an area-weighted calculation. Metal framed walls may not be combined with other wall types. Wood framed walls are combined with SIPs, spandrel & curtain, metal panel and straw bale wall types. The area-weighted compliance option is not available for alterations demonstrating compliance with R-values in Table 141.0-C.*
[2] *If "R-value" is shown in cell 10 as the Thermal Performance Unit, the R-value shown here is for cavity insulation per §141.0(b)2B.*
[3] *Wall area minus any fenestration area.*

I. FLOOR ASSEMBLY SCHEDULE

This Section Does Not Apply

J. EXTERIOR DOOR SCHEDULE

Table Instructions: Complete this table to demonstrate compliance with prescriptive exterior door requirements in §140.3(a)7 for new construction or additions. Doors which are being replaced (alterations) do not need to be documented in this table because there are no Title 24, Part 6 requirements that apply. Exterior doors separate conditioned space from unconditioned space or from ambient air. Doors that are more than 25% glass in area are considered Glazed Doors and should be documented on Table K with fenestration per Table B.

Table Continued

Project Name:	San Pasqual Valley High School Athletic Fields Restroom	Report Page:	Page 5 of 7
Project Address:	676 Baseline Rd., Winterhaven, CA 92283	Date Prepared:	11/1/2021

Table Continued

01	02	03	04	05	06	07	
Tag/Plan Detail ID	Name/Description	Occupancy Type	Door Type	Door Insulation	Maximum Allowed U-factor	U-factor per Design	
10	Exterior Door	Nonresidential/ Relocatable 1 CZ	Swinging	Insulated metal swing doors	0.7	per JA4	0.5

K. FENESTRATION AND GLAZED DOOR SCHEDULE

This Section Does Not Apply

L. DAYLIGHT IN LARGE ENCLOSED SPACES

This Section Does Not Apply

M. 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, form user must provide an explanation to be added to Table D Exceptional Conditions. 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	Field Inspector Fail
◉	○	NRCI-ENV-01-E - Must be submitted for all buildings.	☐	☐

Project Name:	San Pasqual Valley High School Athletic Fields Restroom	Report Page:	Page 6 of 7
Project Address:	676 Baseline Rd., Winterhaven, CA 92283	Date Prepared:	11/1/2021

N. 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, form user must provide an explanation to be added to Table D Exceptional Conditions. The form user should also include the systems that are required to be field verified. These documents must be provided to the building inspector during construction and can be found online at https://www.energy.ca.gov/title24/2019standards/2019_compliance_documents/Nonresidential_Documents/NRCA/. Individuals who perform the field testing and verification work, and provide the information required for completion of the fenestration Certificate of Acceptance documentation are not required to be licensed professionals. However, the person who signs the Certificate of Acceptance document to certify compliance with the acceptance requirements shall be licensed as specified in Standards Section 10-103(a)4 and NA7.3.1.

YES	NO	Form/Title	System to be Field Verified	Field Inspector Pass	Field Inspector Fail
○	◉	NRCA-ENV-02-F - Must be submitted for all new, added or altered fenestration.		☐	☐
		NRCA-ENV-03-F - Daylighting design indoor lighting power adjustment factors (PAF). Note: The requirement for this NRCA is indicated on the NRCC-LTI (prescriptive) or NRCC-PRF (performance) because it is only relevant if a PAF is used for clerestories, daylight redirection devices or horizontal slats.			

Project Name:	San Pasqual Valley High School Athletic Fields Restroom	Report Page:	Page 7 of 7
Project Address:	676 Baseline Rd., Winterhaven, CA 92283	Date Prepared:	11/1/2021

DOCUMENTATION AUTHOR'S DECLARATION STATEMENT

1. I certify that this Certificate of Compliance documentation is accurate and complete.

Documentation Author Name:	Kai Fishman	Documentation Author Signature:	
Company:	Lord Architecture Inc.	Signature Date:	11/1/21
Address:	11650 Iberia Place, Suite 210	CEA/ HERS Certification Identification (if applicable):	
City/State/Zip:	San Diego, CA 92128	Phone:	858-485-6980

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:	Katherine Lord	Responsible Designer Signature:	
Company :	Lord Architecture Inc.	Date Signed:	11/1/21
Address:	11650 Iberia Place	License:	C14478
City/State/Zip:	San Diego, CA 92128	Phone:	858-485-6980

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 04-120409 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 12/17/2021

Lord Architecture Inc.
11650 Iberia Place, Suite 210
San Diego, CA 92128-2455
858-485-6980, 858-485-1510 fax

SAN PASQUAL VALLEY UNIFIED SCHOOL DISTRICT
SPVHS ATHLETIC FIELDS BLEACHER & RESTROOM REPLACEMENT
676 Baseline Rd, Winterhaven, CA 92283

SAN PASQUAL VALLEY
Unified School District

LICENSED ARCHITECT
KATHERINE I. LORD
No. C 14478
EXP. 02/23
STATE OF CALIFORNIA

Issue Schedule

No.	Description	Date
	DSA V2	11/3/21
	DSA V3	11/30/21

Sheet Title: ENVELOPE CERTIFICATE OF COMPLIANCE
Project Architect: KATHERINE LORD
Project Number: 1706-103

Sheet Number:
G-004

National Flood Hazard Layer FIRMette

Legend

SEE FIS REPORT FOR DETAILED LEGEND AND INDEX MAP FOR FIRM PANEL LAYOUT

- SPECIAL FLOOD HAZARD AREAS: Without Base Flood Elevation (BFE) (Zone A, V, A99); With BFE or Depth (Zone AE, AO, AH, VE, AR); Regulatory Floodway
- OTHER AREAS OF FLOOD HAZARD: 0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile (Zone X); Future Conditions 1% Annual Chance Flood Hazard (Zone X); Area with Reduced Flood Risk due to Levee, See Notes. (Zone X); Area with Flood Risk due to Levee (Zone D)
- OTHER AREAS: NO SCREEN Area of Minimal Flood Hazard (Zone X); Effective LOMRs; Area of Undetermined Flood Hazard (Zone D)
- GENERAL STRUCTURES: Channel, Culvert, or Storm Sewer; Levee, Dike, or Floodwall
- OTHER FEATURES: 20.2 / 17.4 Cross Sections with 1% Annual Chance Water Surface Elevation; Coastal Transect; Base Flood Elevation Line (BFE); Limit of Study; Jurisdiction Boundary; Coastal Transect Baseline; Profile Baseline; Hydrographic Feature
- MAP PANELS: Digital Data Available; No Digital Data Available; Unmapped

The pin displayed on the map is an approximate point selected by the user and does not represent an authoritative property location.

This map complies with FEMA's standards for the use of digital flood maps if it is not void as described below. The basemap shown complies with FEMA's basemap accuracy standards

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on **11/1/2019 at 2:10:30 PM** and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

This map image is void if the one or more of the following map elements do not appear: basemap imagery, flood zone labels, legend, scale bar, map creation date, community identifiers, FIRM panel number, and FIRM effective date. Map images for unmapped and unmodernized areas cannot be used for regulatory purposes.

FLOOD HAZARD NOTES

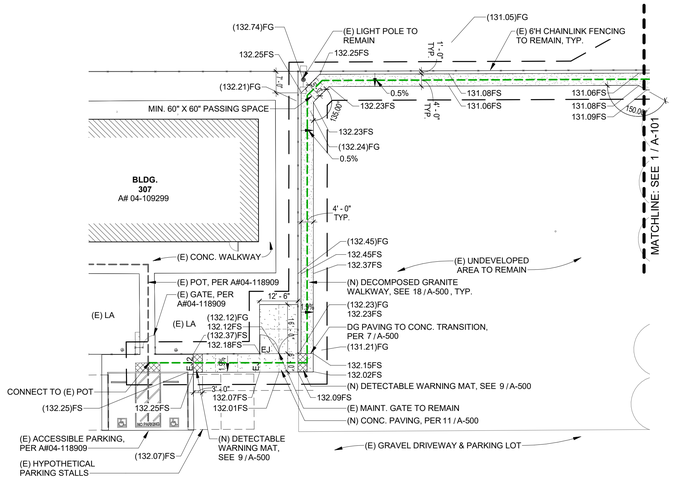
(FIRM) FLOOD INSURANCE RATE MAP

FLOOD ONE DESIGNATION:	AREA OF MINIMUM FLOOD HAZARD - ZONE X
EFFECTIVE DATE OF FIRM:	09/26/2008
FIRM MAP NUMBER:	06025C2275C

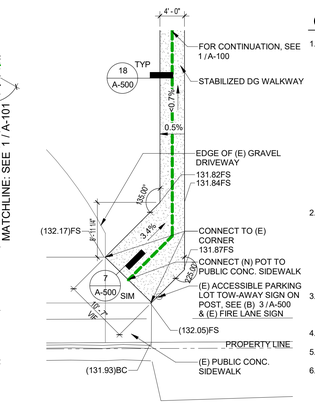
2019 CBC SECTION 1603.1.7

FOR BUILDING LOCATED IN WHOLE OR IN PART IN FLOOD-HAZARD AREAS AS ESTABLISHED IN SECTION 1612.3, THE DOCUMENTATION PERTAINING TO DESIGN, IF REQUIRED IN SECTION 1612.4, SHALL BE INCLUDED AND THE FOLLOWING INFORMATION, REFERENCE TO THE DATUM ON THE COMMUNITY'S FLOOD INSURANCE RATE MAP (FIRM), SHALL BE SHOWN REGARDLESS OF WHETHER FLOOD LOADS GOVERN THE DESIGN OF THE BUILDING:

1. FLOOD DESIGN CLASS ASSIGNED ACCORDING TO ASCE 24.
2. IN FLOOD HAZARD AREAS OTHER THAN COASTAL HIGH HAZARD AREAS OR COASTAL A ZONES, THE ELEVATION OF THE PROPOSED LOWEST FLOOR, INCLUDING THE BASEMENT.
3. IN FLOOD HAZARD AREAS OTHER THAN COASTAL HIGH HAZARD AREAS OF COASTAL A ZONES, THE ELEVATION TO WHICH ANY NONRESIDENTIAL BUILDING WELL BE DRY FLOODPROOFED.
4. IN COASTAL HIGH HAZARD AREAS AND COASTAL A ZONES, THE PROPOSED ELEVATION OF THE BOTTOM OF THE LOWEST HORIZONTAL STRUCTURAL MEMBER OF THE LOWEST FLOOR, INCLUDING THE BASEMENT.



2 ENLARGED SITE PLAN - POT CONNECTION
1" = 20'-0"



3 ENLARGED PLAN @ PUBIC WAY
1" = 10'-0"

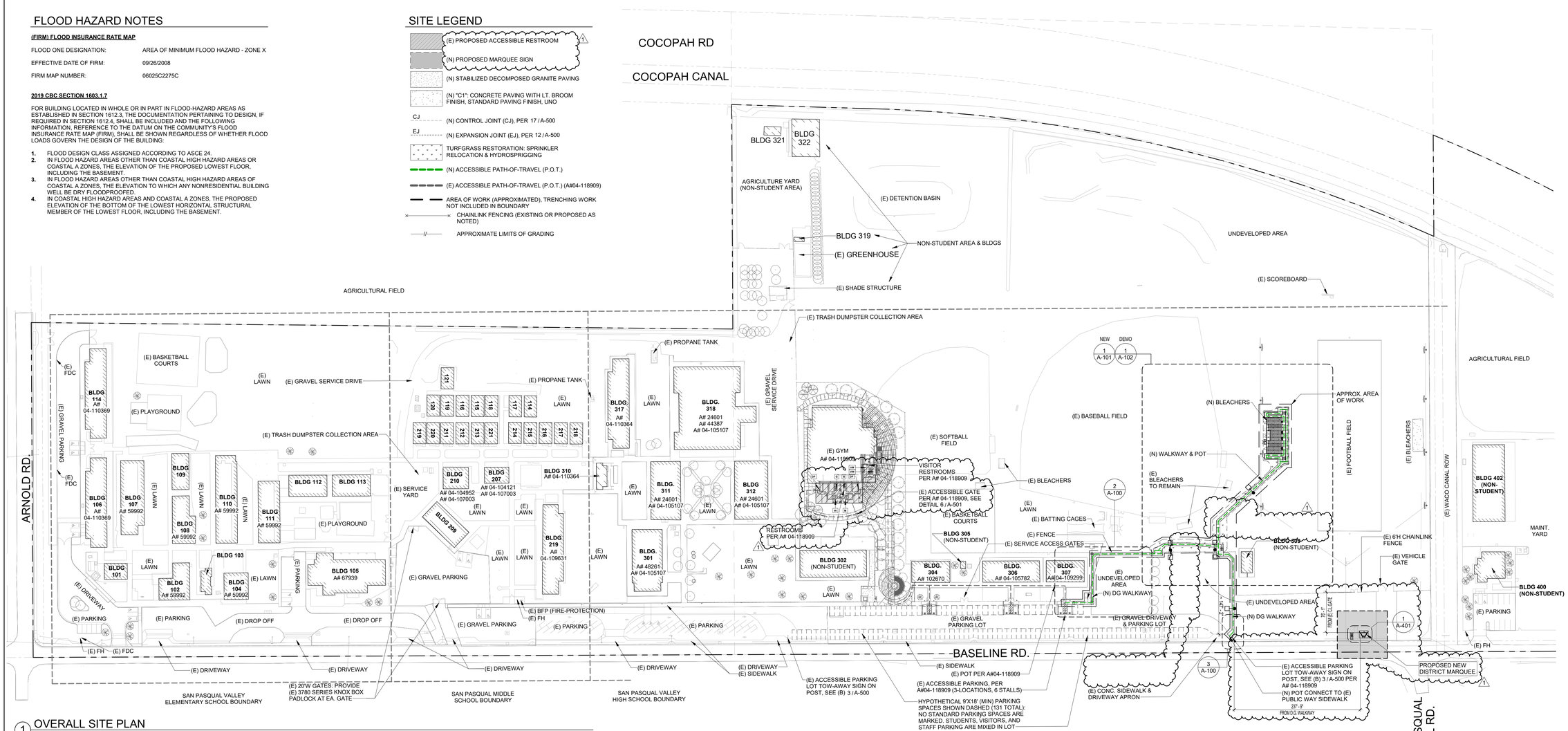
GENERAL SITE NOTES

1. "**DESIGN PROFESSIONAL IN GENERAL RESPONSIBLE CHARGE STATEMENT**: THE P.O.T. IDENTIFIED IN THESE CONSTRUCTION DOCUMENTS MEETS THE REQUIREMENTS OF THE CURRENT APPLICABLE CALIFORNIA BUILDING CODE (CBC) 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 WITH THE CBC HAVE BEEN IDENTIFIED AND THE CORRECTIVE WORK NECESSARY TO BRING THEM INTO COMPLIANCE HAS BEEN INCLUDED WITHIN THE SCOPE OF THIS PROJECTS 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 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 CBC COMPLIANT ARE FOUND TO BE NONCONFORMING BEYOND REASONABLE CONSTRUCTION TOLERANCES, THE ITEMS SHALL BE BROUGHT INTO COMPLIANCE WITH THE CBC AS PART OF THIS PROJECT BY MEANS OF A CONSTRUCTION CHANGE DOCUMENT."
2. THE ACCESSIBLE PATH-OF-TRAVEL (P.O.T.) AS INDICATED, IS A BARRIER-FREE ACCESS ROUTE WITHOUT ABRUPT VERTICAL CHANGES EXCEEDING 1/2' BEVELED AT 1:2 MAXIMUM SLOPE, EXCEPT THAT CHANGES DO NOT EXCEED 1/2" VERTICAL AND IS AT LEAST 48" WIDE, SURFACE IS SLIP RESISTANT, STABLE, FIRM, AND SMOOTH, SCOSSOSLOPE DOES NOT EXCEED 2% AND SLOPE IN THE DIRECTION OF TRAVEL IS LESS THAN 5% UNLESS OTHERWISE INDICATED. P.O.T. SHALL MAINTAIN FREE OF OVERHANG OBSTRUCTIONS TO 80" MINIMUM HEIGHT (2016 CBC 11B-307.4). ARCHITECT SHALL VERIFY THAT ALL BARRIERS IN THE P.O.T. HAVE BEEN REMOVED OR WILL BE REMOVED UNDER THIS PROJECT AND THE P.O.T. COMPLIES WITH THE 2016 CBC 11B-307.4.
3. SIGNAGE REQUIREMENTS: SIGNAGE AT ACCESSIBLE PARKING SPACES SHALL INCLUDE "MINIMUM FINE $250" BELOW THE INTERNATIONAL SYMBOL OF ACCESSIBILITY AS EITHER AN ADDITIONAL SIGN OR AS ADDITIONAL LANGUAGE.
4. REFER TO FENCING PLAN **A-103** FOR LAYOUT OF SITE FENCING.
5. ALL ITEMS NOTED (OR KEYNOTED) ARE NEW, UNO.
6. PRIOR TO DEMOLITION, TAKE A FIELD SURVEY OF THE EXISTING IRRIGATION SYSTEM. ADJUST PLACEMENT OF IRRIGATION HEADS TO PROVIDE FULL HEAD-TO-HEAD COVERAGE BUT AVOID OVER SPRAYING ONTO PAVING AND STRUCTURES.

SITE LEGEND

- (E) PROPOSED ACCESSIBLE RESTROOM
- (N) PROPOSED MARQUEE SIGN
- (N) STABILIZED DECOMPOSED GRANITE PAVING
- (N) "C1": CONCRETE PAVING WITH LT. BROOM FINISH, STANDARD PAVING FINISH, UNO
- CJ — (N) CONTROL JOINT (CJ), PER 17 / A-500
- EJ — (N) EXPANSION JOINT (EJ), PER 12 / A-500
- TURFGRASS RESTORATION; SPRINKLER RELOCATION & HYDROSPRIGGING
- (N) ACCESSIBLE PATH-OF-TRAVEL (P.O.T.)
- (E) ACCESSIBLE PATH-OF-TRAVEL (P.O.T.) (A#04-118909)
- AREA OF WORK (APPROXIMATED), TRENCHING WORK NOT INCLUDED IN BOUNDARY
- CHAINLINK FENCING (EXISTING OR PROPOSED AS NOTED)
- APPROXIMATE LIMITS OF GRADING



1 OVERALL SITE PLAN
1" = 80'-0"

ACCESSIBLE PARKING CALCULATION

(E) GRAVEL PARKING LOT NUMBER OF SPACES:	131 PARKING SPACES (HYPOTHETICAL)
REQ. ACCESSIBLE SPACES (CBC 11B-T.208-2):	5
PROVIDED ACCESSIBLE SPACES:	6 (COMPLIES)
REQ. ACCESSIBLE VAN SPACES (CBC 11B-2080.2.4):	1
PROVIDED ACCESSIBLE VAN SPACES:	3 (COMPLIES)

RESTROOM DESIGNATION LEGEND

- G — GIRLS RESTROOM - PER A#04-118909
- B — BOYS RESTROOM - PER A#04-118909
- W — WOMENS RESTROOM - PER A#04-118909
- M — MENS RESTROOM - PER A#04-118909
- VW — VISITOR WOMENS RESTROOM - PER A#04-118909
- VM — VISITOR MENS RESTROOM - PER A#04-118909
- DF — DRINKING FOUNTAIN - PER A#04-118909

0' 40' 80' 160' 240' NORTH

APPROVED
DIV. OF THE STATE ARCHITECT
APP: 04-120409 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 08/31/2023

Lord Architecture Inc.
11650 Iberia Place, Suite 210
San Diego, CA 92128-2455
858-485-6980, 858-485-1510 fax

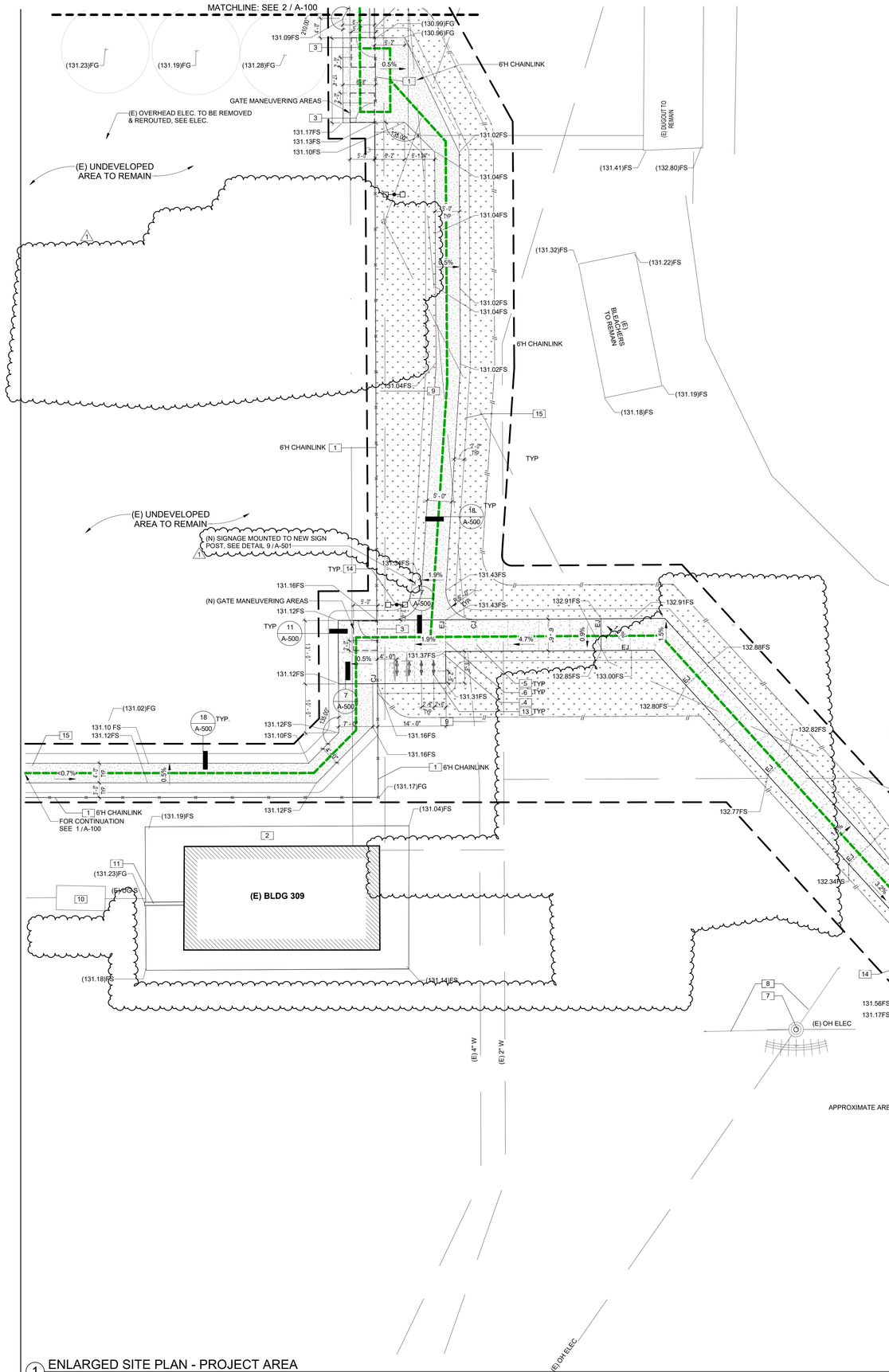
SAN PASQUAL VALLEY UNIFIED SCHOOL DISTRICT
SPVHS ATHLETIC FIELDS BLEACHER & RESTROOM REPLACEMENT
676 Baseline Rd, Winterhaven, CA 92283

SAN PASQUAL VALLEY
Unified School District

LICENSED ARCHITECT
KATHERINE I. LORD
No. C 14478
EXP. 02/25
STATE OF CALIFORNIA

Issue Schedule		
No.	Description	Date
	DSA	9/8/21
	DSA V2	11/3/21
	DSA V3	11/30/21
1	REVISION 01	06/26/23

Sheet Title: OVERALL SITE PLAN
Project Architect: KATHERINE LORD
Project Number: 1706-103
Sheet Number: A-100



1 ENLARGED SITE PLAN - PROJECT AREA
1" = 10'-0"

SITE LEGEND

▨	(E) PROPOSED ACCESSIBLE RESTROOM
▨	(N) PROPOSED MARQUEE SIGN
▨	(N) STABILIZED DECOMPOSED GRANITE PAVING
▨	(N) "C1": CONCRETE PAVING WITH LT. BROOM FINISH, STANDARD PAVING FINISH, UNO
CJ - - - -	(N) CONTROL JOINT (CJ), PER 17 / A-500
EJ - - - -	(N) EXPANSION JOINT (EJ), PER 12 / A-500
▨	TURFGRASS RESTORATION: SPRINKLER RELOCATION & HYDROSPRIGGING
🟩 - - - -	(N) ACCESSIBLE PATH-OF-TRAVEL (P.O.T.)
- - - -	(E) ACCESSIBLE PATH-OF-TRAVEL (P.O.T.) (A#04-118909)
— —	AREA OF WORK (APPROXIMATED), TRENCHING WORK NOT INCLUDED IN BOUNDARY
×———×	CHAINLINK FENCING (EXISTING OR PROPOSED AS NOTED)
——//——	APPROXIMATE LIMITS OF GRADING

KEYNOTE LEGEND

#	DESCRIPTION
1	Existing Fence to Remain
2	Existing Concrete Paving To Remain
3	6' H Chain Link Gate
4	Concrete Sidwalk w/ Broom Finish
5	Concrete Paving Control Joint
6	Concrete Paving Expansion Joint
7	Existing Sports Lighting Pole to Remain
8	Existing Pole Guy Wire to Remain
9	24" Wide Level Landscaped Benched Area, 4" Max. Below Walk Surface
10	Existing Underground Septic Tank to Remain
11	Existing Wall To Remain
12	Chain Link Fence to Close Under Bleachers
13	Bike Rack
14	Pole Mounted Area Light
15	Stabilized Decomposed Granite Paving
16	Cast-In-Place Concrete Equipment Pad, See Electrical
17	8' H Chain Link Gate

TURF NOTES

1. ALL AREAS SHOWN TO BE HYDROSEEDED THAT ARE LARGER THAN 10 SQ. FEET WITH LESS THAN 50% COVERAGE OF EXISTING GRASS, ARE TO BE ROTOTILLED, RAKED, AND HAVE AMENDMENTS SPREAD PER SPECIFICATIONS, PRIOR TO HYDROSPRIGGING.
2. AREAS OF LESS THAN 10 SQ. FEET AND AREAS OF EXISTING GRASS, ARE TO BE SCARIFIED WITH A HARD RAKE, PRIOR TO HYDROSPRIGGING.
3. ALL EXISTING TURF AREAS THAT ARE DAMAGED DURING CONSTRUCTION, INCLUDING TRENCHED AREA, SHALL BE SMOOTHED SCARIFIED WITH A HARD RAKE AND OVERSEEDED WITH HYDROSPRIG. SODDING IN-LIEU-OF HYDROSPRIGGING IS ACCEPTABLE AT NO ADDITIONAL COST TO THE DISTRICT. FOR SODDING INSTEAD OF HYDROSPRIGGING, AMEND, SMOOTH AND TOP-DRESS SOIL PRIOR TO SODDING.

GENERAL SITE NOTES

1. "**DESIGN PROFESSIONAL IN GENERAL RESPONSIBLE CHARGE STATEMENT**: THE P.O.T. IDENTIFIED IN THESE CONSTRUCTION DOCUMENTS MEETS THE REQUIREMENTS OF THE CURRENT APPLICABLE CALIFORNIA BUILDING CODE (CBC) 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 WITH THE CBC HAVE BEEN IDENTIFIED AND 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 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 CBC COMPLIANT ARE FOUND TO BE NONCONFORMING BEYOND REASONABLE CONSTRUCTION TOLERANCES, THE ITEMS SHALL BE BROUGHT INTO COMPLIANCE WITH THE CBC AS PART OF THIS PROJECT BY MEANS OF A CONSTRUCTION CHANGE DOCUMENT."
2. THE ACCESSIBLE PATH-OF-TRAVEL (P.O.T.) AS INDICATED, IS A BARRIER-FREE ACCESS ROUTE WITHOUT ABRUPT VERTICAL CHANGES EXCEEDING 1/2' BEVELED AT 1:2 MAXIMUM SLOPE, EXCEPT THAT CHANGES DO NOT EXCEED 1/2" VERTICAL AND IS AT LEAST 48" WIDE, SURFACE IS SLIP RESISTANT, STABLE, FIRM, AND SMOOTH, SCOSS0SLOPE DOES NOT EXCEED 2% AND SLOPE IN THE DIRECTION OF TRAVEL IS LESS THAN 5% UNLESS OTHERWISE INDICATED. P.O.T. SHALL MAINTAIN FREE OF OVERHANG OBSTRUCTIONS TO 80" MINIMUM HEIGHT (2016 CBC 11B-307.4). ARCHITECT SHALL VERIFY THAT ALL BARRIERS IN THE P.O.T. HAVE BEEN REMOVED OR WILL BE REMOVED UNDER THIS PROJECT, AND THE P.O.T. COMPLIES WITH THE 2016 CBC 11B-307.4.
3. SIGNAGE REQUIREMENTS: SIGNAGE AT ACCESSIBLE PARKING SPACES SHALL INCLUDE "MINIMUM FINE $250" BELOW THE INTERNATIONAL SYMBOL OF ACCESSIBILITY AS EITHER AN ADDITIONAL SIGN OR AS ADDITIONAL LANGUAGE.
4. REFER TO FENCING PLAN **A-103** FOR LAYOUT OF SITE FENCING.
5. ALL ITEMS NOTED (OR KEYNOTED) ARE NEW, UNO.
6. PRIOR TO DEMOLITION, TAKE A FIELD SURVEY OF THE EXISTING IRRIGATION SYSTEM. ADJUST PLACEMENT OF IRRIGATION HEADS TO PROVIDE FULL HEAD-TO-HEAD COVERAGE BUT AVOID OVER SPRAYING ONTO PAVING AND STRUCTURES.

GRADING NOTES

1. ALL WALKABLE SURFACES SHALL HAVE A MAXIMUM 1:48 SLOPE IN ALL DIRECTIONS UNLESS OTHERWISE CLEARLY NOTED WITH SLOPES. THIS STATEMENT SHALL TAKE PRECEDENCE TO ELEVATIONS SHOWN HEREON. CONTRACTOR SHALL NOTIFY ARCHITECT WITH ANY DISCREPANCIES PRIOR TO SITE WORK.
2. NO SLOPE SHALL EXCEED 5% ANYWHERE IN PEDESTRIAN CIRCULATION PATHS OR P.O.T. UNLESS IT IS ON A RAMP OR CURB RAMP.
3. A GEOTECHNICAL REPORT HAS BEEN PREPARED FOR THE SITE OF THIS PROJECT. THE CONTRACTOR SHALL FAMILIARIZE THEMSELVES WITH THE GEOTECHNICAL REPORT REQUIREMENTS. IF ANY CONFLICT OCCURS BETWEEN GEOTECHNICAL REPORT RECOMMENDATIONS AND PLANS, THE GEOTECHNICAL REPORT SHALL PREVAIL. IN THIS INSTANCE, CONTACT THE ARCHITECT BEFORE PROCEEDING WITH ANY SITE WORK.
   - "SAN PASQUAL HS RESTROOM BUILDING, WINTERHAVEN, CALIFORNIA"
   - PREPARED: MAY 2021
   - PREPARED BY: LANDMARK CONSULTANTS, INC.; 780 N. 4TH ST., EL CENTRO, CA 92243 (760) 370-3000
4. THE MOISTURE CONTENT OF SUBGRADE BELOW ALL SITE FLATWORK SHOULD BE MAINTAINED 5 TO 10% OPTIMUM.
5. PROTECT ADJACENT PROPERTIES AND EASEMENTS DURING GRADING OPERATIONS. ANYTHING DAMAGED OR DESTROYED SHALL BE REPLACED OR REPAIRED TO EQUAL THE EXISTING CONDITION (PRIOR TO GRADING) AT THE CONTRACTOR'S EXPENSE.
6. ANY MONUMENT OR BENCHMARK WITH IS DISTURBED OR DESTROYED THROUGH GRADING OPERATIONS SHALL BE REESTABLISHED AND REPLACED BY A REGISTERED CIVIL ENGINEER WHO IS ALLOWED TO PRACTICE LAND SURVEYING OR A LICENSED LAND SURVEYOR AND A CORNER RECORD, RECORD OR SURVEY OR CERTIFICATE OF CORRECTION FILED AS REQUIRED BY THE LAND SURVEYORS' ACT.
7. THE CONTRACTOR SHALL DESIGN, CONSTRUCT AND MAINTAIN ALL SAFETY DEVICES INCLUDING SHORING AND SHALL BE RESPONSIBLE FOR CONFORMING TO ALL LOCAL, STATE, AND FEDERAL SAFETY AND HEALTH STANDARDS, LAWS, AND REGULATIONS.
8. THE CONTRACTOR MUST OBTAIN AN EXCAVATION PERMIT FROM THE DIVISION OF OCCUPATIONAL SAFETY AND HEALTH (DOSH) FOR CONSTRUCTION OF TRENCHES OR EXCAVATIONS WHICH ARE FIVE FEET OR DEEPER INTO WHICH A PERSON IS REQUIRED TO DESCEND. IF SUCH PERMIT IS NOT REQUIRED BY THE LOCAL AGENCY, THE CONTRACTOR SHALL OBTAIN A TRENCHING/SHORING PREPARED BY A CALIFORNIA LICENSED PROFESSIONAL ENGINEER.
9. THE EXISTING TOPOGRAPHIC INFORMATION CONTAINED IN THESE PLANS WAS OBTAINED BY AERIAL AND/OR FIELD SURVEY DATA, AND DISCREPANCIES BETWEEN PLAN ELEVATIONS AND ACTUAL ELEVATIONS ARE TO BE ANTICIPATED. THE CONTRACTOR SHALL REMAIN ALERT FOR AN PROMPTLY REPORT ANY AND ALL SUBSTANTIAL DISCREPANCIES (SUFFICIENT TO CAUSE A CHANGE IN THE PLANS AND/OR AN INCREASE IN COSTS) TO THE OWNER AND ARCHITECT, AND SHALL NOT PROCEED WITH AN AFFECTED WORK AREA UNTIL DIRECTED TO DO SO BY AN APPROPRIATE OWNERS REPRESENTATIVE.
   - TOPOGRAPHY SOURCE:
     DRA (DAHL, ROBINS & ASSOCIATES, INC.)
     1560 S. 5TH AVENUE, YUMA, AZ 95364
     (928) 819-0825
   - DATED: NOV. 2017

   NOTE: THE CONTRACTOR IS RESPONSIBLE FOR REVIEWING THE TOPOGRAPHIC SURVEY DOCUMENTS BY OTHERS (NOT A PART OF THIS SET) TO CONFIRM DEMOLITION ITEMS, UTILITY INFORMATION, AND EARTHWORK/GRADING QUANTITIES.

SOIL CORROSIVITY NOTES

1. ALL SITE CONCRETE SHALL BE MODIFIED TO SPECIAL MIX CONCRETE PER ACI 318-14 TABLE 19.3.1.1 AND TABLE 19.3.2.1; SULFATE EXPOSURE CLASS S3, 4,500 PSI, TYPE V (PLUS POZZOLON) PORTLAND CEMENT WITH A MAXIMUM WATER/CEMENT RATIO OF 0.45 (BY WEIGHT).

APPROVED
DIV. OF THE STATE ARCHITECT
APP: 04-120409 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 08/31/2023

Lord Architecture Inc.
11650 Iberia Place, Suite 210
San Diego, CA 92128-2455
858-485-6980, 858-485-1510 fax

SAN PASQUAL VALLEY UNIFIED SCHOOL DISTRICT
SPVHS ATHLETIC FIELDS BLEACHER & RESTROOM REPLACEMENT
676 Baseline Rd, Winterhaven, CA 92283

SAN PASQUAL VALLEY
Unified School District

LICENSED ARCHITECT
KATHERINE I. LORD
Katherine I. Lord
No. C 14478
EXP. 02/25
STATE OF CALIFORNIA

Issue Schedule

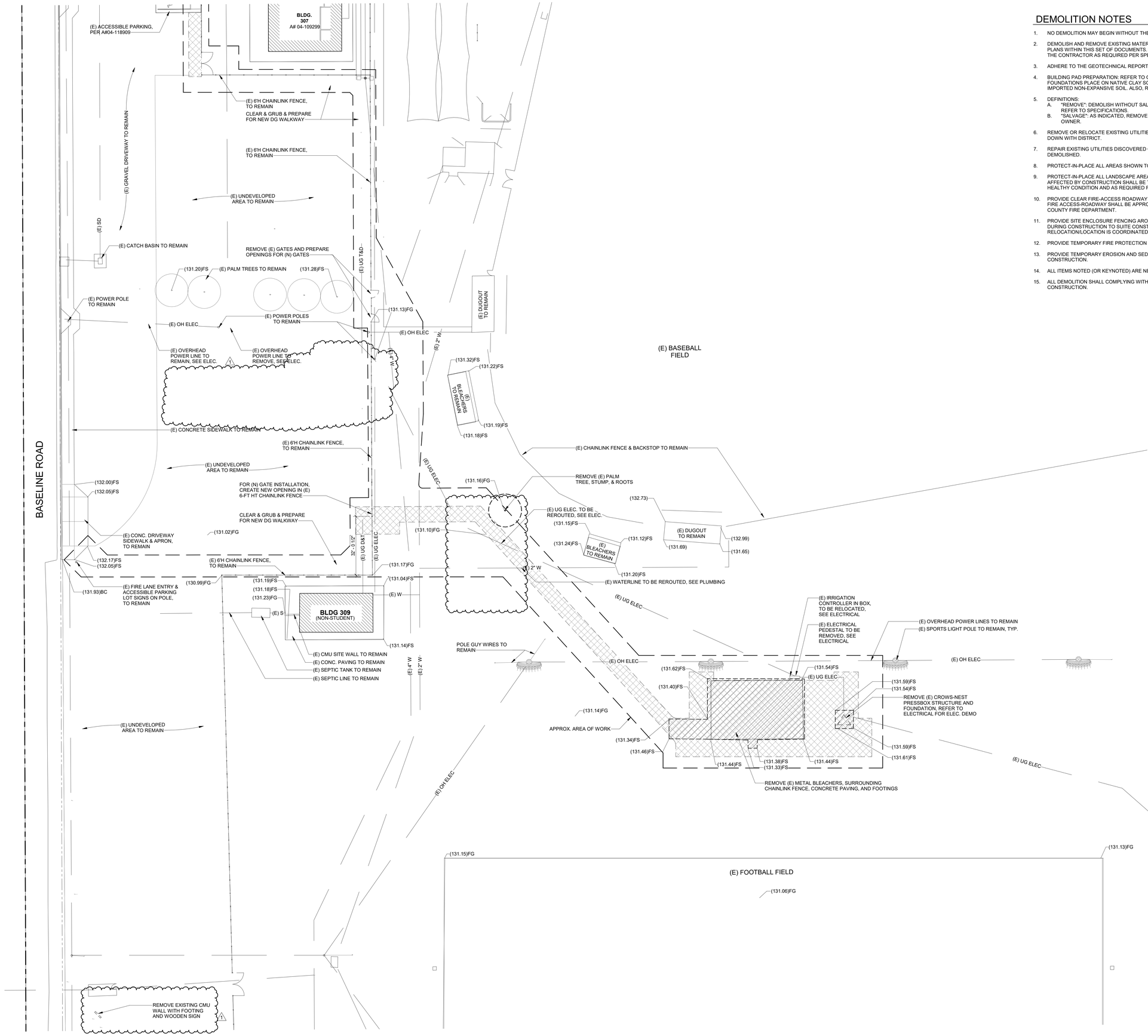
No.	Description	Date
	DSA	9/8/21
	DSA V2	11/3/21
	DSA V3	11/30/21
1	REVISION 01	06/26/23

Sheet Title: ENLARGED SITE PLAN - PROJECT AREA

Project Architect: KATHERINE LORD

Project Number: 1706-103

Sheet Number: A-101



1 DEMOLITION SITE PLAN - PROJECT AREA
1" = 20'-0"

DEMOLITION NOTES

1. NO DEMOLITION MAY BEGIN WITHOUT THESE PLANS BEING APPROVED BY DSA.
2. DEMOLISH AND REMOVE EXISTING MATERIALS IN THE SCOPE OF WORK INDICATED IN THIS PLAN AND IN OTHER PLANS WITHIN THIS SET OF DOCUMENTS. DEMOLISHED DEBRIS TO BE REMOVED FROM SITE AND DISPOSED OF BY THE CONTRACTOR AS REQUIRED PER SPECIFICATIONS.
3. ADHERE TO THE GEOTECHNICAL REPORT REQUIREMENTS, SECTION 5.1.1 CLEARING AND GRUBBING.
4. BUILDING PAD PREPARATION: REFER TO GEOTECHNICAL REPORT SECTION 5.1.1 PAD PREPARATION FOR FOUNDATIONS PLACE ON NATIVE CLAY SOIL AND SECTION 5.2.2 PAD PREPARATION FOR FOUNDATIONS PLACED ON IMPORTED NON-EXPANSIVE SOIL. ALSO, REFER TO STRUCTURAL DRAWINGS.
5. DEFINITIONS:
   A. "REMOVE": DEMOLISH WITHOUT SALVAGING FOR REUSE. BECOMES THE PROPERTY OF THE CONTRACTOR. REFER TO SPECIFICATIONS.
   B. "SALVAGE": AS INDICATED, REMOVE THE ITEM AND SAVE FOR REUSE (ON THIS PROJECT) OR RETURN TO OWNER.
6. REMOVE OR RELOCATE EXISTING UTILITIES AS INDICATED ON CIVIL UTILITY PLAN. COORDINATE TIMING OF SHUT-DOWN WITH DISTRICT.
7. REPAIR EXISTING UTILITIES DISCOVERED OR DAMAGED DURING CONSTRUCTION; NOT SHOWN TO BE DEMOLISHED.
8. PROTECT-IN-PLACE ALL AREAS SHOWN TO REMAIN WITHIN AREA OF WORK.
9. PROTECT-IN-PLACE ALL LANDSCAPE AREAS SHOWN TO REMAIN WITHIN AREA OF WORK. LANDSCAPE AREAS AFFECTED BY CONSTRUCTION SHALL BE TEMPORARILY IRRIGATED AS REQUIRED TO MAINTAIN PLANTS IN HEALTHY CONDITION AND AS REQUIRED PER SPECIFICATIONS.
10. PROVIDE CLEAR FIRE-ACCESS ROADWAY THROUGHOUT CONSTRUCTION. ANY TEMPORARY CLOSURES OF THE FIRE ACCESS-ROADWAY SHALL BE APPROVED BY, AND COORDINATED WITH THE DISTRICT AND THE IMPERIAL COUNTY FIRE DEPARTMENT.
11. PROVIDE SITE ENCLOSURE FENCING AROUND AREA OF WORK. SITE ENCLOSURE FENCING MAY BE RELOCATED DURING CONSTRUCTION TO SUITE CONSTRUCTION ACTIVITIES PROVIDED THAT IT'S LOCATION AND TIMING OF RELOCATION/LOCATION IS COORDINATED WITH THE DISTRICT.
12. PROVIDE TEMPORARY FIRE PROTECTION FACILITIES DURING CONSTRUCTION.
13. PROVIDE TEMPORARY EROSION AND SEDIMENTATION CONTROL AND STORMWATER CONTROL DURING CONSTRUCTION.
14. ALL ITEMS NOTED (OR KEYNOTED) ARE NEW, UNO.
15. ALL DEMOLITION SHALL COMPLYING WITH CBC CHAPTER 33 AND CFC ARTICLE 33 SAFEGUARDS DURING CONSTRUCTION.

DEMOLITION LEGEND

- MINIMUM OVEREXCAVATION AREA, PER GEOTECHNICAL REPORT
- CONCRETE PAVING TO BE DEMOLISHED
- TREE TO BE DEMOLISHED & STUMP REMOVED

APPROVED
DIV. OF THE STATE ARCHITECT
APP: 04-120409 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 08/31/2023

Lord Architecture Inc.
11650 Iberia Place, Suite 210
San Diego, CA 92128-2455
858-485-6980, 858-485-1510 fax

SAN PASQUAL VALLEY UNIFIED SCHOOL DISTRICT
SPVHS ATHLETIC FIELDS BLEACHER & RESTROOM REPLACEMENT
676 Baseline Rd, Winterhaven, CA 92283

SAN PASQUAL VALLEY
Unified School District

LICENSED ARCHITECT
KATHERINE T. LORD
No. C 14478
EXP. 02/25
STATE OF CALIFORNIA

Issue Schedule

No.	Description	Date
	DSA	9/8/21
	DSA V2	11/3/21
	DSA V3	11/30/21
1	REVISION 01	06/26/23

Sheet Title: DEMOLITION SITE PLAN
Project Architect: KATHERINE LORD
Project Number: 1706-103

Sheet Number:
A-102

GATE SCHEDULE

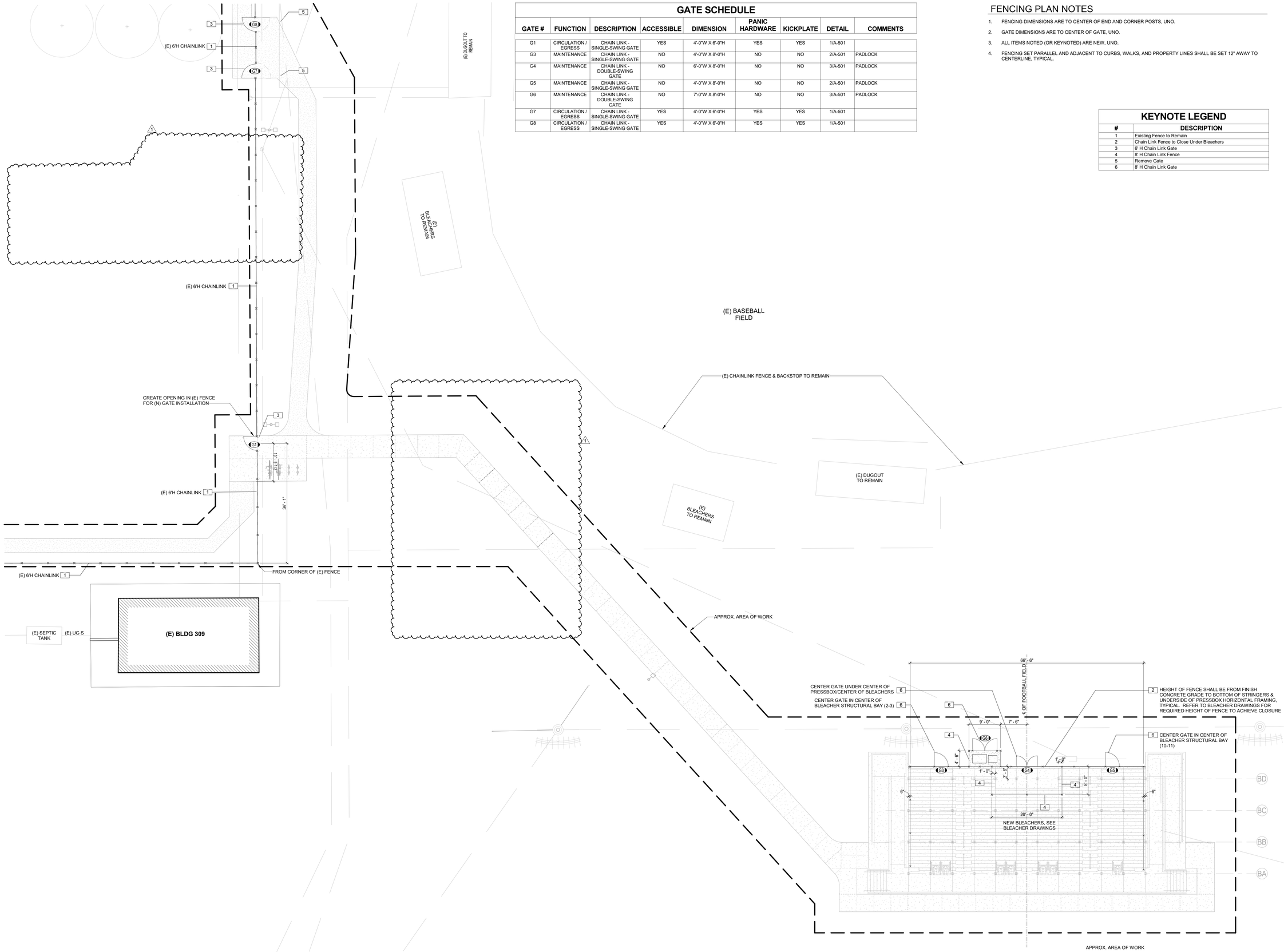
GATE #	FUNCTION	DESCRIPTION	ACCESSIBLE	DIMENSION	PANIC HARDWARE	KICKPLATE	DETAIL	COMMENTS
G1	CIRCULATION / EGRESS	CHAIN LINK - SINGLE-SWING GATE	YES	4'-0"W X 6'-0"H	YES	YES	1/A-501	
G3	MAINTENANCE	CHAIN LINK - SINGLE-SWING GATE	NO	4'-0"W X 8'-0"H	NO	NO	2/A-501	PADLOCK
G4	MAINTENANCE	CHAIN LINK - DOUBLE-SWING GATE	NO	6'-0"W X 8'-0"H	NO	NO	3/A-501	PADLOCK
G5	MAINTENANCE	CHAIN LINK - SINGLE-SWING GATE	NO	4'-0"W X 8'-0"H	NO	NO	2/A-501	PADLOCK
G6	MAINTENANCE	CHAIN LINK - DOUBLE-SWING GATE	NO	7'-0"W X 8'-0"H	NO	NO	3/A-501	PADLOCK
G7	CIRCULATION / EGRESS	CHAIN LINK - SINGLE-SWING GATE	YES	4'-0"W X 6'-0"H	YES	YES	1/A-501	
G8	CIRCULATION / EGRESS	CHAIN LINK - SINGLE-SWING GATE	YES	4'-0"W X 6'-0"H	YES	YES	1/A-501	

FENCING PLAN NOTES

1. FENCING DIMENSIONS ARE TO CENTER OF END AND CORNER POSTS, UNO.
2. GATE DIMENSIONS ARE TO CENTER OF GATE, UNO.
3. ALL ITEMS NOTED (OR KEYNOTED) ARE NEW, UNO.
4. FENCING SET PARALLEL AND ADJACENT TO CURBS, WALKS, AND PROPERTY LINES SHALL BE SET 12" AWAY TO CENTERLINE, TYPICAL.

KEYNOTE LEGEND

#	DESCRIPTION
1	Existing Fence to Remain
2	Chain Link Fence to Close Under Bleachers
3	6' H Chain Link Gate
4	8' H Chain Link Fence
5	Remove Gate
6	8' H Chain Link Gate



1 FENCING PLAN - PROJECT AREA
1" = 10'-0"

APPROVED
DIV. OF THE STATE ARCHITECT
APP: 04-120409 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 08/31/2023

Lord Architecture Inc.
11650 Iberia Place, Suite 210
San Diego, CA 92128-2455
858-485-6980, 858-485-1510 fax

SAN PASQUAL VALLEY UNIFIED SCHOOL DISTRICT
SPVHS ATHLETIC FIELDS BLEACHER & RESTROOM REPLACEMENT
676 Baseline Rd, Winterhaven, CA 92283

SAN PASQUAL VALLEY
Unified School District

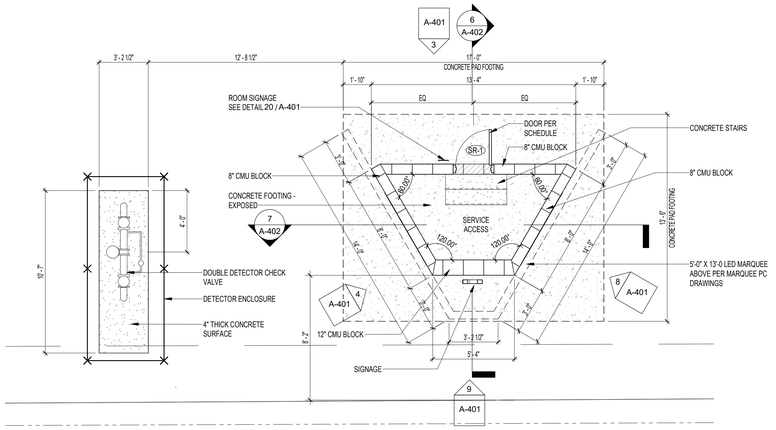
LICENSED ARCHITECT
KATHERINE I. LORD
No. C 14478
EXP. 02/25
STATE OF CALIFORNIA

Issue Schedule

No.	Description	Date
	DSA	9/8/21
	DSA V2	11/3/21
	DSA V3	11/30/21
1	REVISION 01	06/26/23

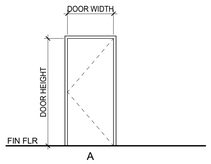
Sheet Title: FENCING PLAN
Project Architect: KATHERINE LORD
Project Number: 1706-103

Sheet Number:
A-103



1 ENLARGED MARQUEE SIGN PLAN
1/4" = 1'-0"

DOOR SCHEDULE - MARQUEE													
NUMBER	TYPE	WIDTH	HEIGHT	THICKNESS	MATERIAL	DOOR FINISH	FRAME TYPE	FRAME MATERIAL	HEAD DETAIL	JAMB DETAIL	SILL DETAIL	HARDWARE	COMMENTS
SR-1	A	2' - 4"	7' - 0"	1 3/4"	HM	PTD	HM	PTD	5/A-401	6/A-401	7/A-401	SET 1.0	



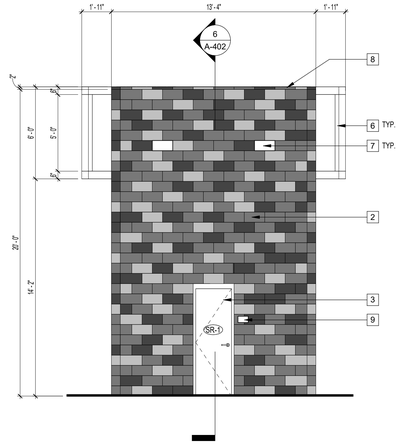
DOOR TYPES

DOOR HARDWARE

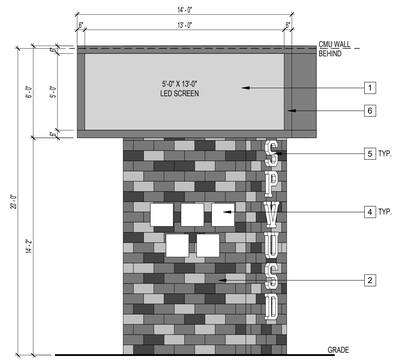
HARDWARE SET	DESCRIPTION	MODEL/STYLE#	FINISH	MANUFACTURER
SET -1.0	(3) HINGE, FULL MORTISE	TA2714 (NRP)	US26D	MK
	(1) HINGE, FULL MORTISE	8231	US32D	SA
	(1) SURFACE CLOSER - CLOSER STOP	CPS7500	689	NO
	(1) KICK PLATE	K1050 10" HIGH CSK BEV	US32D	RO
	(1) SMOKE GASKETING	S88BL		PE

DOOR AND HARDWARE NOTES

1. PER CBC 11B-404.2.3, DOOR OPENINGS SHALL PROVIDE A CLEAR WIDTH OF 32 INCHES MINIMUM. OPENINGS OF DOORWAYS WITH SWINGING DOORS SHALL BE MEASURED BETWEEN THE FACE OF THE DOOR AND THE STOP WITH THE DOOR OPEN 90 DEGREES. OPENINGS MORE THAN 24 INCHES DEEP, SHALL PROVIDE A CLEAR OPENING OF 36 INCHES MINIMUM. THERE SHALL BE NO PROJECTIONS INTO THE REQUIRED CLEAR OPENING WIDTH LOWER THAN 34 INCHES ABOVE THE FINISH FLOOR OR GROUND. PROJECTIONS INTO THE CLEAR OPENING WIDTH BETWEEN 34 INCHES AND 80 INCHES ABOVE THE FINISH FLOOR OR GROUND SHALL NOT EXCEED 4 INCHES.
   A. EXCEPTION: DOOR CLOSURES AND DOOR STOPS SHALL BE PERMITTED TO BE 78 INCHES MINIMUM ABOVE THE FINISH FLOOR OR GROUND.
2. PER CBC 11B-404.2.7, HANDLES, PULLS LATCHES, LOCKS AND OTHER OPERABLE PARTS ON DOORS AND GATES SHALL COMPLY WITH CBC SECTION 11B-309.4. OPERABLE PARTS OF SUCH HARDWARE SHALL BE 34 INCHES MINIMUM AND 44 INCHES MAXIMUM ABOVE THE FINISH FLOOR OR GROUND.
3. ALL DOORS SHALL BE OPERABLE FROM THE INSIDE WITHOUT ANY SPECIAL KNOWLEDGE OR EFFORT.
4. PER CBC 11B-404.2.8.1, DOOR CLOSURES SHALL BE ADJUSTED SO THAT FROM AN OPEN POSITION OF 90 DEGREES, THE TIME REQUIRED TO MOVE THE DOOR TO A POSITION OF 12 DEGREES FROM THE LATCH IS 5 SECONDS MINIMUM.
5. PER CBC 11B-404.2.9, THE FORCE FOR PUSHING OR PULLING OPEN A DOOR SHALL BE AS FOLLOWS:
   A. INTERIOR HINGED DOORS: 5 POUNDS MAXIMUM.
   B. REQUIRED FIRE DOORS: THE MINIMUM OPENING FORCE ALLOWABLE BY THE APPROPRIATE ADMINISTRATIVE AUTHORITY, NOT TO EXCEED 15 POUNDS.
   C. EXTERIOR HINGED DOORS: 5 POUNDS MAXIMUM.
   D. THE FORCES LISTED ABOVE DO NOT APPLY TO THE FORCE REQUIRED TO RETRACT LATCH BOLTS OR DISENGAGE OTHER DEVISES THAT HOLD THE DOOR IN A CLOSED POSITION.
6. PER CBC 1010.1.3, THE FORCE FOR PUSHING OF PULLING OPEN INTERIOR SWINGING EGRESS DOORS OTHER THAN FIRE DOORS, SHALL NOT EXCEED 5 POUNDS. THESE FORCES DO NOT APPLY TO THE FORCE REQUIRED TO RETRACT LATCH BOLTS OR DISENGAGE OTHER DEVICES THAT HOLD THE DOOR IN A CLOSED POSITION. FOR OTHER SWINGING DOORS, AS WELL AS SLIDING AND FOLDING DOORS, THE DOOR LATCH SHALL RELEASE WHEN SUBJECTED TO A 15-POUND FORCE. THE DOOR SHALL SWING TO A FULL-OPEN POSITION WHEN SUBJECTED TO A 15-POUND FORCE.
7. PER CBC 11B-404.2.10, SWINGING DOOR SURFACES WITHIN 10 INCHES OF THE FINISH FLOOR OR GROUND MEASURED VERTICALLY SHALL HAVE A SMOOTH SURFACE ON THE PUSH SIDE EXTENDING THE FULL WIDTH OF THE DOOR. PARTS CREATING HORIZONTAL OR VERTICAL JOINTS IN THESE SURFACES SHALL BE WITHIN 1/16 INCH OF THE SAME PLANE AS THE OTHER AND BE FREE OF SHARP OR ABRASIVE EDGES. CAVITIES CREATED BY ADDED KICK PLATES SHALL BE CAPPED.
8. PROVIDE ADEQUATE BACKING IN PARTITIONS FOR THE ATTACHMENT OF ALL RESPECTIVE FINISH HARDWARE.



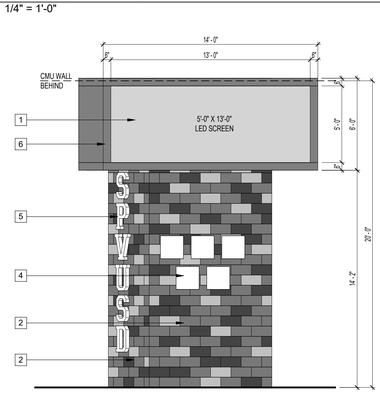
3 MARQUEE EAST ELEVATION
1/4" = 1'-0"



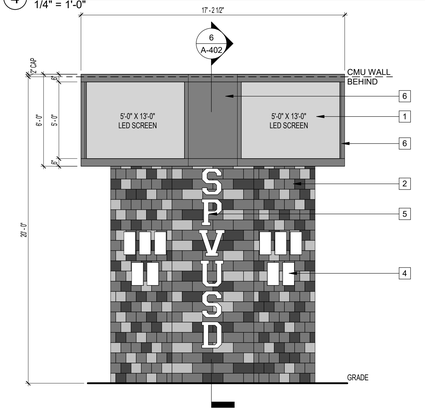
4 MARQUEE NORTH ELEVATION
1/4" = 1'-0"

ELEVATION KEYNOTES

1. NEW LED SCREEN PER STEWARD SIGNS
2. NEW 8"X8"X16" PRECISION CONCRETE BLOCKS, REFER TO LEGEND ON THIS SHEET FOR BLOCK PATTERN
3. NEW HOLLOW METAL DOOR PER DOOR SCHEDULE ON THIS SHEET
4. SCHOOL SIGNAGE INSTALLED BY DISTRICT
5. 2" RAISED LETTERS WITH OPTION TO ILLUMINATE
6. LED SCREEN HOUSING
7. SCUPPER, SEE DETAIL 5 / A-403
8. METAL COPING, SEE DETAIL 10 / A-403
9. ROOM SIGNAGE SEE DETAIL20 / A-401



8 MARQUEE SOUTH ELEVATION
1/4" = 1'-0"



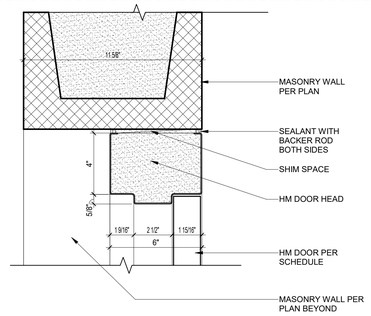
9 MARQUEE WEST ELEVATION
1/4" = 1'-0"

CMU BLOCK COLOR LEGEND

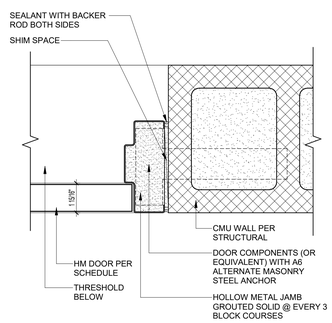
RCP BLOCK & BRICK
STYLE: INTEGRAL COLOR PRECISION CMU
COLOR: ADOBE

RCP BLOCK & BRICK
STYLE: INTEGRAL COLOR PRECISION CMU
COLOR: MISSION

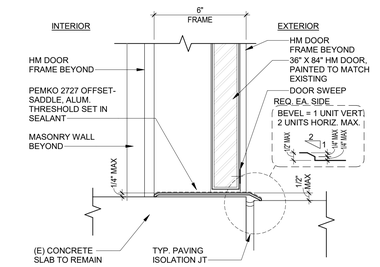
RCP BLOCK & BRICK
STYLE: INTEGRAL COLOR PRECISION CMU
COLOR: PADRE



13 HM DOOR FRAME 4" HEAD AT CMU
3" = 1'-0"



14 HM DOOR FRAME 2" JAMB AT CMU
3" = 1'-0"



15 DOOR SILL, CONC-CONC. - EXTERIOR
3" = 1'-0"

BRAILLE

11B-703.3 BRAILLE. BRAILLE SHALL BE CONTRACTED (GRADE 2) AND SHALL COMPLY WITH SECTIONS 11B-703.3 AND 11B-703.4.

11B-703.3.1 DIMENSIONS AND CAPITALIZATION. BRAILLE DOTS SHALL HAVE A DOMED OR ROUNDED SHAPE AND SHALL COMPLY WITH TABLE 11B-703.3.1. THE INDICATION OF AN UPPERCASE LETTER OR LETTERS SHALL ONLY BE USED BEFORE THE FIRST WORD OF SENTENCES, PROPER NOUNS AND NAMES, INDIVIDUAL LETTERS OF THE ALPHABET, INITIALS, AND ACRONYMS.

TABLE 11B-703.3.1 BRAILLE DIMENSIONS

MEASUREMENT RANGE	MINIMUM IN INCHES MAXIMUM IN INCHES
DOT BASE DIAMETER	0.059 (1.5 MM), TO 0.063 (1.6 MM)
DISTANCE BETWEEN TWO DOTS IN THE SAME CELL[1]	0.100 (2.5 MM)
DISTANCE BETWEEN CORRESPONDING DOTS IN ADJACENT CELLS[1]	0.300 (7.6 MM)
DOT HEIGHT	0.025 (0.6 MM), TO 0.037 (0.9 MM)
DISTANCE BETWEEN CORRESPONDING DOTS FROM ONE CELL DIRECTLY BELOW[1]	0.395 (10 MM), TO 0.400 (10.2 MM)
1. MEASURED CENTER TO CENTER.	

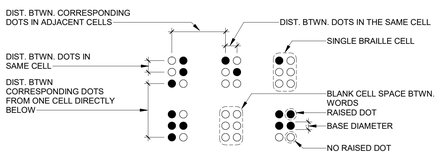
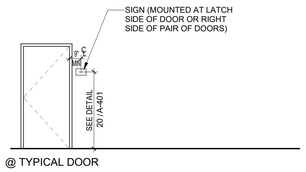


FIGURE 11B-703.3.1 BRAILLE MEASUREMENT

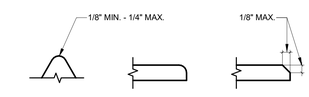
11B-703.3.2 POSITION. BRAILLE SHALL BE POSITIONED BELOW THE CORRESPONDING TEXT IN A HORIZONTAL FORMAT, FLUSH LEFT OR CENTERED. IF TEXT IS MULTI-LINED, BRAILLE SHALL BE PLACED BELOW THE ENTIRE TEXT. BRAILLE SHALL BE SEPARATED 3/8 INCH (9.5 MM) MINIMUM AND 1/2 INCH (12.7 MM) MAXIMUM FROM ANY OTHER TACTILE CHARACTERS AND 3/8 INCH (9.5 MM) MINIMUM FROM RAISED BORDERS AND DECORATIVE ELEMENTS.

16 BRAILLE REQUIREMENTS
1 1/2" = 1'-0"



18 DOOR SIGN MOUNTING HEIGHTS
1/4" = 1'-0"

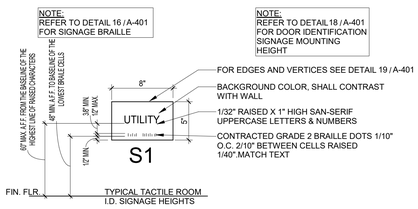
NOTE:
PER CBC 11B-703.7.2.6.4: EDGES & VERTICES ON GEOMETRIC SYMBOLS. EDGES SHALL BE EASED OR ROUNDED AT 1/16" MIN. OR CHAMFERED AT 1/8" MAX. VERTICES SHALL BE RADIUSED BETWEEN 1/8" MIN. AND 1/4" MAX.



19 TYPICAL SIGN EDGES & VERTICES
12" = 1'-0"

NOTE:
REFER TO DETAIL 16 / A-401
FOR SIGNAGE BRAILLE

NOTE:
REFER TO DETAIL 18 / A-401
FOR DOOR IDENTIFICATION
SIGNAGE MOUNTING
HEIGHT



20 IDENTIFICATION SIGNS
1 1/2" = 1'-0"

APPROVED
DIV. OF THE STATE ARCHITECT
APP: 04-120409 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 08/31/2023

Lord Architecture Inc.
11650 Iberia Place, Suite 210
San Diego, CA 92128-2455
858-485-6980, 858-485-1510 fax

SAN PASQUAL VALLEY UNIFIED SCHOOL DISTRICT
SPVHS ATHLETIC FIELDS BLEACHER & RESTROOM REPLACEMENT
676 Baseline Rd, Winterhaven, CA 92283

SAN PASQUAL VALLEY
Unified School District

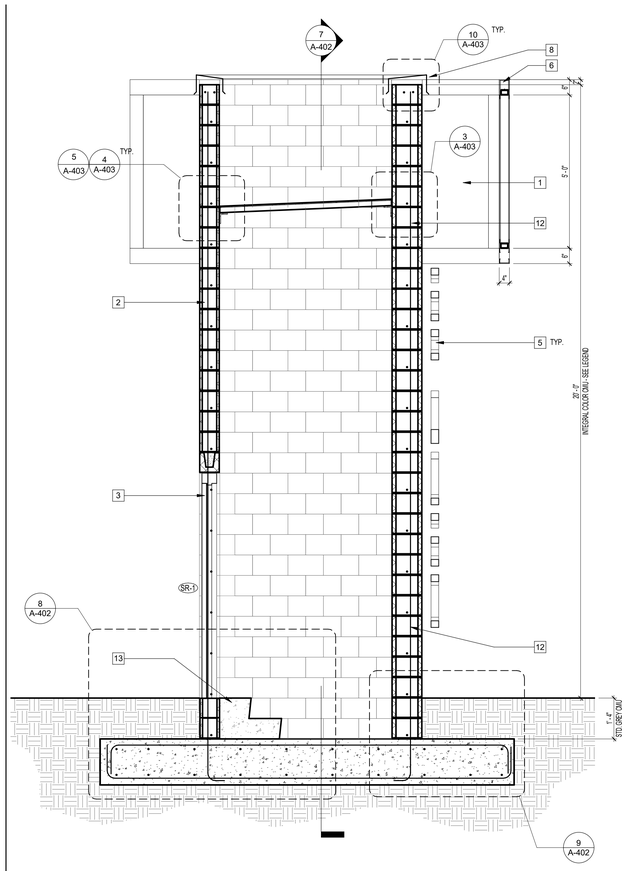
LICENSED ARCHITECT
KATHERINE I. LORD
No. C 14478
EXP. 02/25
STATE OF CALIFORNIA

Issue Schedule

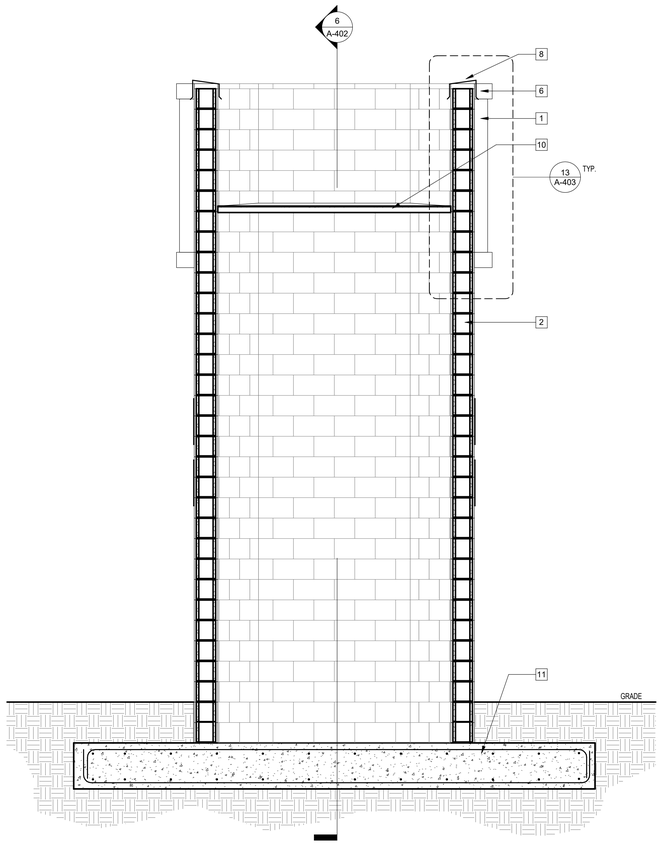
No.	Description	Date
1	REVISION 01	06/26/23

Sheet Title: MARQUEE SIGN FLOOR PLAN, ELEVATIONS, SCHEDULE & DETAILS
Project Architect: KATHERINE LORD
Project Number: 1706-103

Sheet Number: A-401



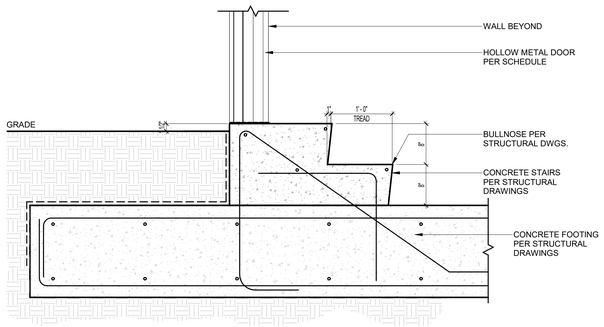
6 MARQUEE - SECTION
1/2" = 1'-0"



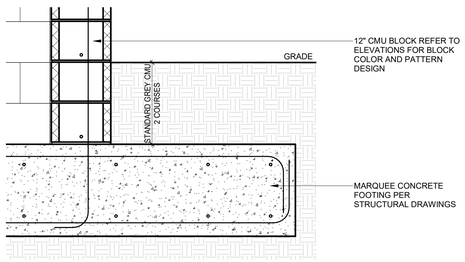
7 MARQUEE - CROSS-SECTION
1/2" = 1'-0"

SECTION KEYNOTES

1. NEW LED SCREEN PER STEWARD SIGNS
2. NEW 8"X8"X16" PRECISION CONCRETE BLOCKS, REFER TO LEGEND ON SHEET A-400 FOR BLOCK PATTERN
3. NEW HOLLOW METAL DOOR PER DOOR SCHEDULE ON SHEET A-400
4. SCHOOL SIGNAGE INSTALLED BY DISTRICT
5. 2" RAISED LETTERS WITH OPTION TO ILLUMINATE
6. LED SCREEN HOUSING
7. SCUPPER, SEE DETAIL 5 / A-403
8. METAL COPING, SEE DETAIL 10 / A-403
9. ROOM SIGNAGE SEE DETAIL20 / A-401
10. PVC ROOFING SEE DETAIL 9 / A-403
11. CONCRETE FOOTING PER STRUCTURAL DRAWINGS
12. NEW 8"X12"X16" PRECISION CONCRETE BLOCKS, REFER TO LEGEND ON SHEET A-401 FOR BLOCK PATTERN
13. CONCRETE STAIRS PER STRUCTURAL DRAWINGS



8 DOOR & STAIRS
1" = 1'-0"



9 CMU AT FOOTING
1" = 1'-0"

APPROVED
DIV. OF THE STATE ARCHITECT
APP: 04-120409 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 08/31/2023

Lord Architecture Inc.
11650 Iberia Place, Suite 210
San Diego, CA 92128-2455
858-485-6980, 858-485-1510 fax

SAN PASQUAL VALLEY UNIFIED SCHOOL DISTRICT
SPVHS ATHLETIC FIELDS BLEACHER & RESTROOM REPLACEMENT
676 Baseline Rd, Winterhaven, CA 92283

SAN PASQUAL VALLEY
Unified School District

LICENSED ARCHITECT
KATHERINE T. LORD
No. C 14478
EXP. 02/25
STATE OF CALIFORNIA

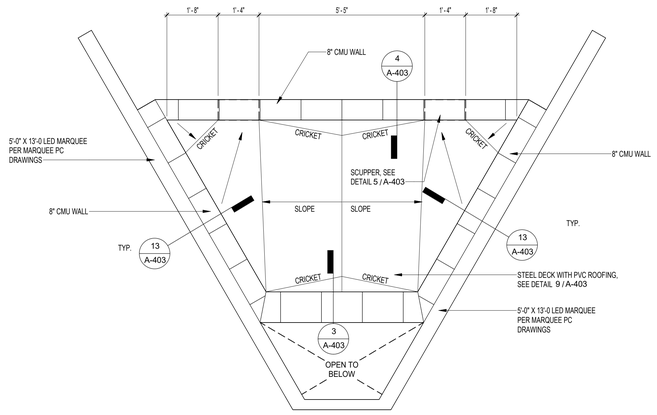
Issue Schedule		
No.	Description	Date
1	REVISION 01	06/26/23

Sheet Title: MARQUEE SIGN SECTIONS & DETAILS

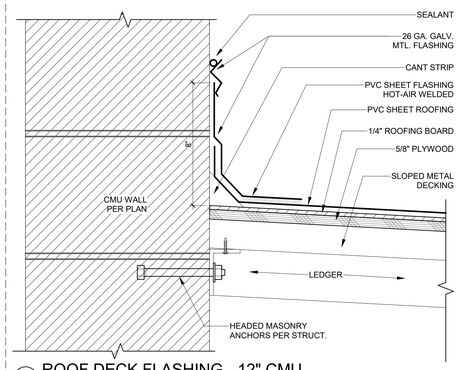
Project Architect: KATHERINE LORD

Project Number: 1706-103

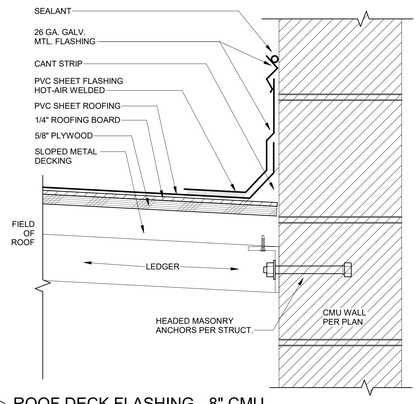
Sheet Number: A-402



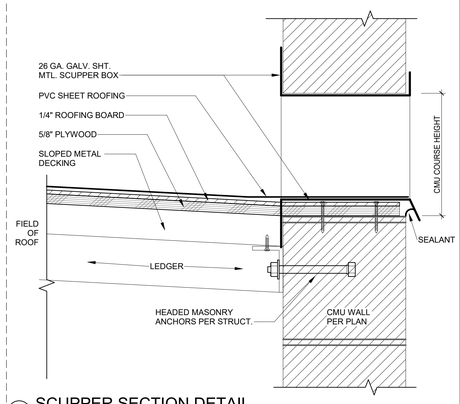
6 MARQUEE - ROOF PLAN
1/2" = 1'-0"



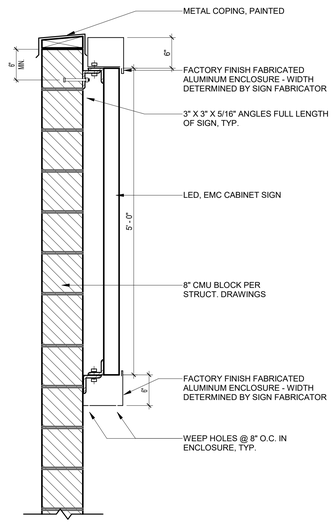
3 ROOF DECK FLASHING - 12" CMU
3" = 1'-0"



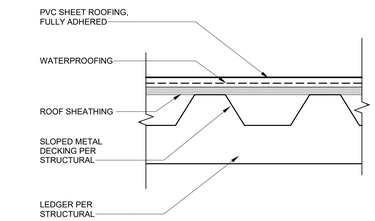
4 ROOF DECK FLASHING - 8" CMU
3" = 1'-0"



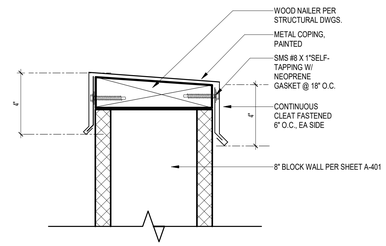
5 SCUPPER SECTION DETAIL
3" = 1'-0"



13 SECTION THRU CMU & SIGN CABINETS
1" = 1'-0"



9 ROOF CONSTRUCTION, TYPICAL
3" = 1'-0"



10 WOOD PARAPET CAP FLASHING
3" = 1'-0"

APPROVED
DIV. OF THE STATE ARCHITECT
APP: 04-120409 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 08/31/2023

Lord Architecture Inc.
11650 Iberia Place, Suite 210
San Diego, CA 92128-2455
858-485-6980, 858-485-1510 fax

SAN PASQUAL VALLEY UNIFIED SCHOOL DISTRICT
SPVHS ATHLETIC FIELDS BLEACHER & RESTROOM REPLACEMENT
676 Baseline Rd, Winterhaven, CA 92283

SAN PASQUAL VALLEY
Unified School District

LICENSED ARCHITECT
KATHERINE I. LORD
No. C 14478
EXP. 02/25
STATE OF CALIFORNIA

Issue Schedule

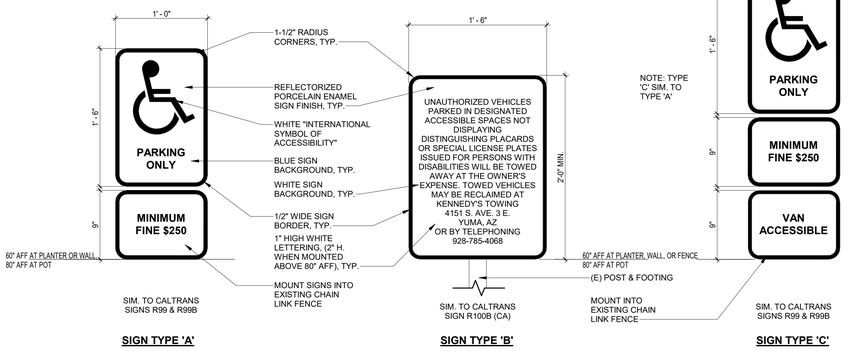
No.	Description	Date
1	REVISION 01	06/26/23

Sheet Title: MARQUEE SIGN ROOF PLAN & DETAILS

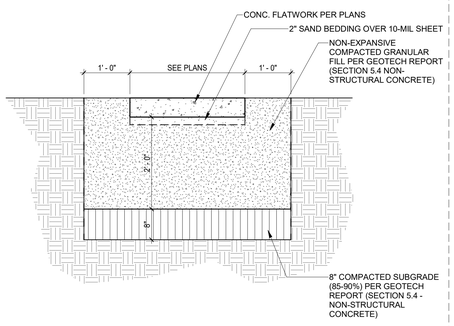
Project Architect: KATHERINE LORD

Project Number: 1706-103

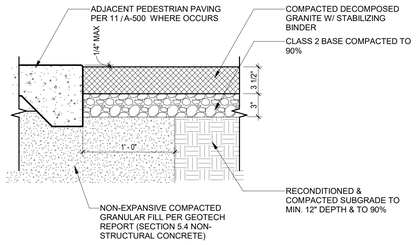
Sheet Number: A-403



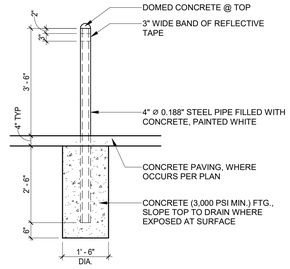
3 ACCESSIBLE PARKING SPACE SIGNS
1 1/2" = 1'-0"



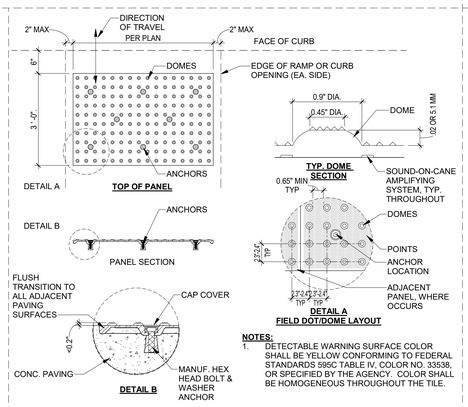
6 TYPICAL SITE FLATWORK PREPARATION
3/4" = 1'-0"



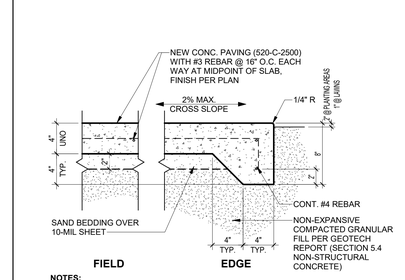
7 DECOMPOSED GRANITE PAVING SECTION
1 1/2" = 1'-0"



8 STEEL GUARD POST
1/2" = 1'-0"

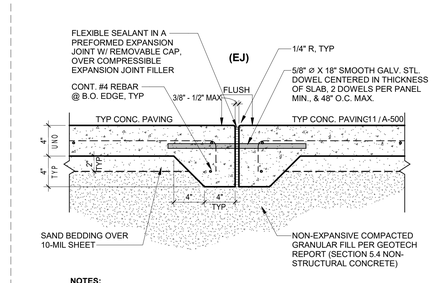


9 DETECTABLE WARNING MAT (CAST-IN-PLACE)
3/4" = 1'-0"



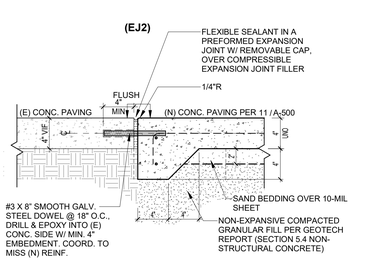
NOTES:
1. FOR USE IN PEDESTRIAN (NON-VEHICULAR) CONCRETE PAVING ONLY.
2. SEE DETAIL 6 / A-500 FOR TYPICAL SITE FLATWORK PREPARATION.
3. IN CASE OF DISCREPANCY BETWEEN DETAILS AND GEOTECHNICAL REPORT, THE GEOTECHNICAL REPORT SHALL TAKE PRECEDENCE.
4. SUBGRADE SOILS SHALL BE APPROVED BY THE PROJECT GEOTECHNICAL CONSULTANT PRIOR TO PLACEMENT OF CONCRETE.

11 TYP. CONCRETE PAVING - PEDESTRIAN
1 1/2" = 1'-0"



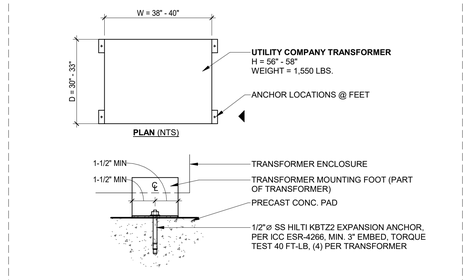
NOTES:
1. FOR USE IN PEDESTRIAN (NON-VEHICULAR) CONCRETE PAVING ONLY.
2. SEE DETAIL 6 / A-500 FOR TYPICAL SITE FLATWORK PREPARATION.
3. IN CASE OF DISCREPANCY BETWEEN DETAILS AND GEOTECHNICAL REPORT, THE GEOTECHNICAL REPORT SHALL TAKE PRECEDENCE.
4. SUBGRADE SOILS SHALL BE APPROVED BY THE PROJECT GEOTECHNICAL CONSULTANT PRIOR TO PLACEMENT OF CONCRETE.

12 CONCRETE PAVING EXPANSION JOINT (EJ)
1 1/2" = 1'-0"



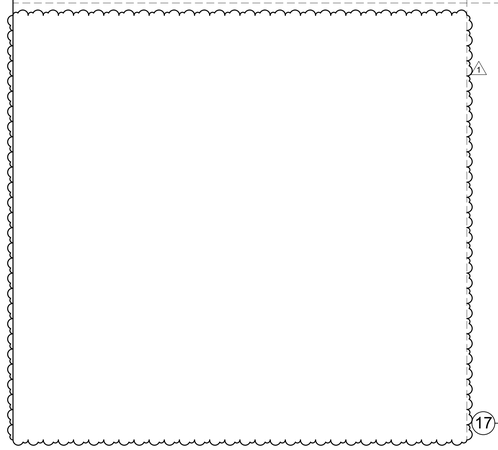
NOTES:
1. FOR USE IN PEDESTRIAN (NON-VEHICULAR) CONCRETE PAVING ONLY.
2. SEE DETAIL 6 / A-500 FOR TYPEICAL SITE FLATWORK PREPARATION.
3. IN CASE OF DISCREPANCY BETWEEN DETAILS AND GEOTECHNICAL REPORT, THE GEOTECHNICAL REPORT SHALL TAKE PRECEDENCE.
4. SUBGRADE SOILS SHALL BE APPROVED BY THE PROJECT GEOTECHNICAL CONSULTANT PRIOR TO PLACEMENT OF CONCRETE.
5. EPOXY: USE SIMPSON SET-3G HIGH-STRENGTH EPOXY ADHESIVE.

13 CONC. PAVING EXPANSION JOINT AT (E) CONC. (EJ2)
1 1/2" = 1'-0"

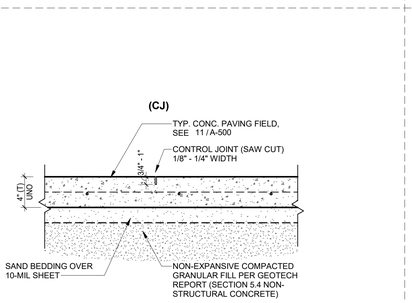


NOTES:
1. TRANSFORMER FINAL DESIGN BY IID.
2. ESTIMATED TRANSFORMER SIZE, WEIGHT AND ANCHORAGE SHALL BE FIELD VERIFIED. CCD MAY BE REQUIRED.
3. TRANSFORMER ANCHORAGE SHALL BE SET WHEN TRANSFORMER IS INSTALLED BY IID.

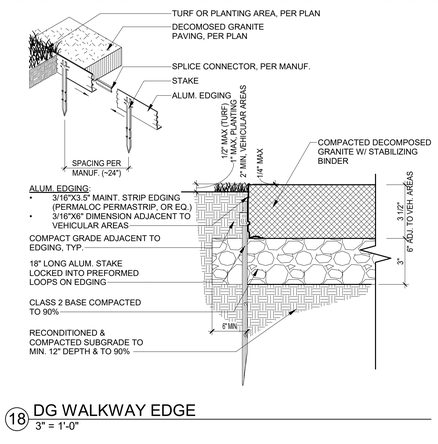
14 UTILITY TRANSFORMER ANCHORAGE
1 1/2" = 1'-0"



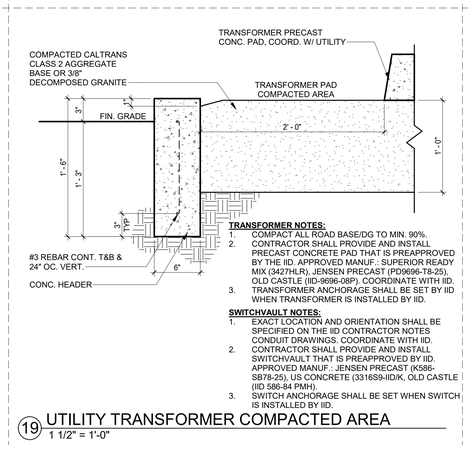
17 CONC. PAVING CONTROL JOINT (CJ)
1 1/2" = 1'-0"



NOTES:
1. FOR USE IN PEDESTRIAN (NON-VEHICULAR) CONCRETE PAVING ONLY.
2. SEE DETAIL 6 / A-500 FOR TYPICAL SITE FLATWORK PREPARATION.
3. IN CASE OF DISCREPANCY BETWEEN DETAILS AND GEOTECHNICAL REPORT, THE GEOTECHNICAL REPORT SHALL TAKE PRECEDENCE.
4. SUBGRADE SOILS SHALL BE APPROVED BY THE PROJECT GEOTECHNICAL CONSULTANT PRIOR TO PLACEMENT OF CONCRETE.
5. MAX JOINT SPACING IS 8' OR THE LEAST WIDTH OF SIDEWALK. REFER ALSO TO DRAWING 1 / A-101



18 DG WALKWAY EDGE
3" = 1'-0"



TRANSFORMER NOTES:
1. COMPACT ALL ROAD BASE/DG TO MIN. 90%. CONTRACTOR SHALL PROVIDE AND INSTALL PRECAST CONCRETE PAD THAT IS PREAPPROVED BY THE IID, APPROVED MANUF.: SUPERIOR READY MIX (3427HLR), JENSEN PRECAST (PD9696-T8-25), OLD CASTLE (IID-9696-08P). COORDINATE WITH IID.
2. TRANSFORMER ANCHORAGE SHALL BE SET BY IID WHEN TRANSFORMER IS INSTALLED BY IID.

SWITCHVAULT NOTES:
1. EXACT LOCATION AND ORIENTATION SHALL BE SPECIFIED ON THE IID CONTRACTOR NOTES CONDUIT DRAWINGS. COORDINATE WITH IID.
2. CONTRACTOR SHALL PROVIDE AND INSTALL SWITCHVAULT THAT IS PREAPPROVED BY IID. APPROVED MANUF.: JENSEN PRECAST (#S86-SB78-25), US CONCRETE (3316S9-IID/K, OLD CASTLE (IID 586-84 PMH).
3. SWITCH ANCHORAGE SHALL BE SET WHEN SWITCH IS INSTALLED BY IID.

19 UTILITY TRANSFORMER COMPACTED AREA
1 1/2" = 1'-0"

APPROVED
DIV. OF THE STATE ARCHITECT
APP: 04-120409 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 08/31/2023

Lord Architecture Inc.
11650 Iberia Place, Suite 210
San Diego, CA 92128-2455
858-485-6980, 858-485-1510 fax

SAN PASQUAL VALLEY UNIFIED SCHOOL DISTRICT
SPVHS ATHLETIC FIELDS BLEACHER & RESTROOM REPLACEMENT
676 Baseline Rd, Winterhaven, CA 92283

SAN PASQUAL VALLEY
Unified School District

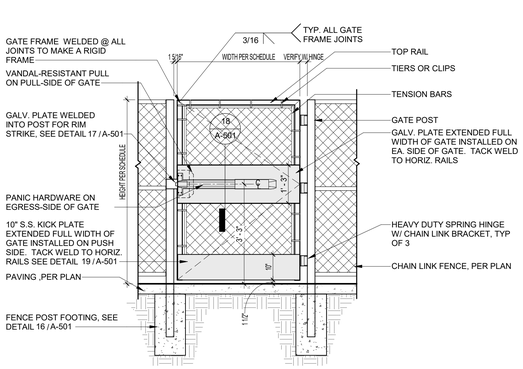
LICENSED ARCHITECT
KATHERINE I. LORD
No. C 14478
EXP. 02/25
STATE OF CALIFORNIA

Issue Schedule

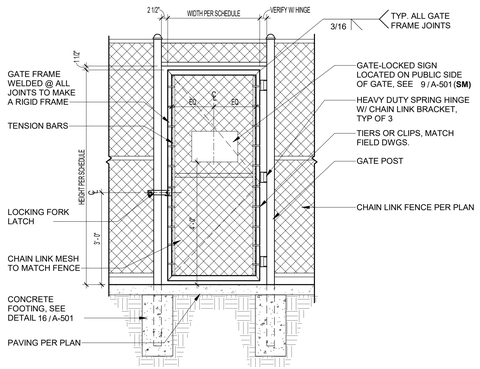
No.	Description	Date
	DSA	9/8/21
	DSA V2	11/3/21
	DSA V3	11/30/21
1	REVISION 01	06/26/23

Sheet Title: DETAILS - SITE
Project Architect: KATHERINE LORD
Project Number: 1706-103

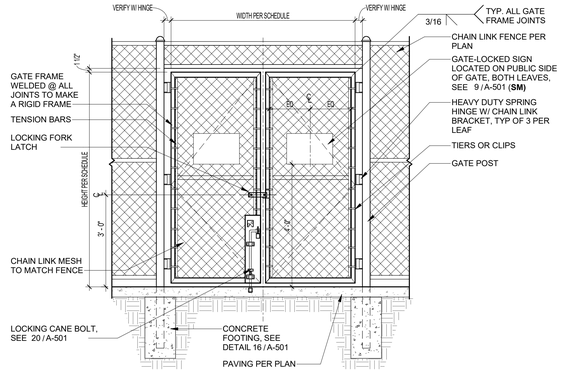
Sheet Number:
A-500



1 SINGLE CHAIN LINK GATE - ACCESSIBLE - G1, G7, G8
1/2" = 1'-0"



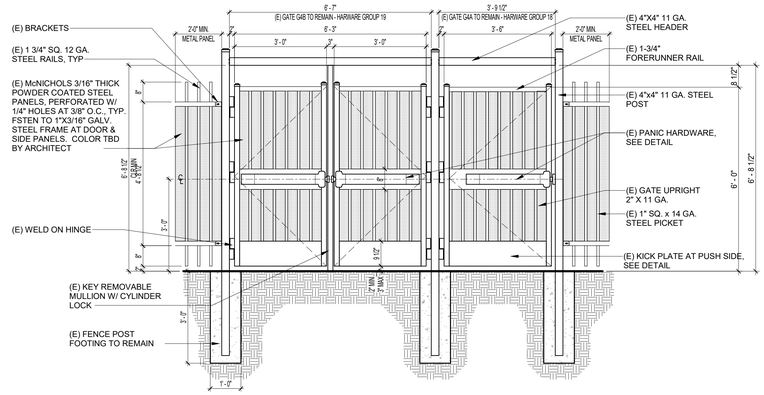
2 CHAIN LINK GATE ELEV. - SINGLE-SWING - G3, G5
1/2" = 1'-0"



3 CHAIN LINK GATE ELEV. - DOUBLE-SWING - G2, G4, G6
1/2" = 1'-0"

GATE GENERAL NOTES

1. ALL FENCING & COMPONENTS ARE HOT DIPPED GALV. STEEL.
2. ALL WELDS AND SHARP EDGES SHALL BE GROUND SMOOTH.
3. PROVIDE 5 LBS. MAX OPERATING PRESSURE FOR OPENING GATE.
4. FOR CHAIN LINK FENCE COMPONENTS REFER TO DETAIL 11 / A-501
5. TOP EDGE OF CHAIN LINK FABRIC TO BE TWISTED.
6. SEE SPECIFICATION SECTION 32 31 13 FOR SIZE OF ALL MEMBERS.
7. ADJUST GATE HINGES SO THAT FROM OPEN POSITION OF 70° THE GATE SHALL MOVE TO THE CLOSED POSITION IN 1.5 SECONDS MINIMUM PER CBC 11B404.2.8.2.
8. SEE SPECIFICATION SECTION 32 31 13 FOR ALL GATE HARDWARE.



6 (E) DECORATIVE METAL DOUBLE & SINGLE GATE ELEVATION - G4A & G4B - **PER A# 04-118909**
1/2" = 1'-0"

(E) GATE HARDWARE GROUP PER A#04-118909

Set: 18.0

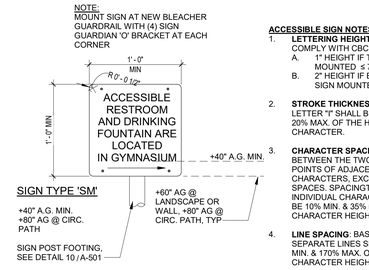
Doors: G4B

1 Locinox Gate Closer/Hinges	Mammoth 180		
1 Rim Exit Device (nightlatch)	ED5200A K157ET x LC M110 M52 5CH	630	RU
1 Rim Cylinder	CR3080-CTXB	630	RU
1 Permanent Core	CR8000 77 Keyway	626	RU
1 Vandal Resistant Trim	VRT26 C	US32D	RO
1 Balance of Hardware	by Gate Manufacturer		

Set: 19.0

Doors: G4A

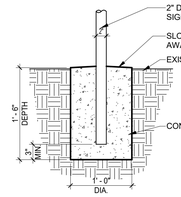
2 Locinox Gate Closer/Hinges	Mammoth 180		
1 Removable Mullion	CR910KM M57		RU
1 Rim Exit Device (exit only)	ED5200 EO M110 M52 5CH	630	RU
1 Rim Exit Device (nightlatch)	ED5200A K157ET x LC M110 M52 5CH	630	RU
1 Rim Cylinder	CR3080-CTXB	630	RU
1 Permanent Core	CR8000 77 Keyway	626	RU
1 Vandal Resistant Trim	VRT26	US32D	RO
1 Vandal Resistant Trim	VRT26 C	US32D	RO
1 Balance of Hardware	by Gate Manufacturer		



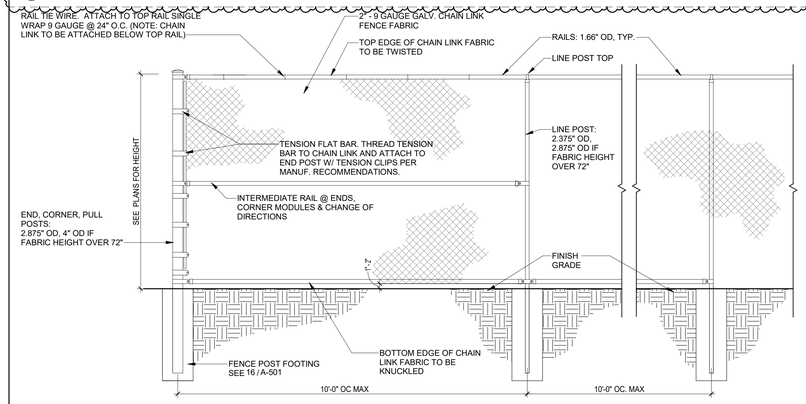
9 ACCESSIBLE RESTROOM & DF SIGN
1 1/2" = 1'-0"

ACCESSIBLE SIGN NOTES:

1. **LETTERING HEIGHT** SHALL COMPLY WITH CBC T 11B-703.5.5.
   A. 1" HEIGHT IF TOP OF SIGN MOUNTED ≤ 70" A.G.
   B. 2" HEIGHT IF BOTTOM OF SIGN MOUNTED >70" A.G.
2. **STROKE THICKNESS**: UPPERCASE LETTER "I" SHALL BE 10% MIN. & 20% MAX. OF THE HEIGHT OF THE CHARACTER.
3. **CHARACTER SPACING**: MEASURED BETWEEN THE TWO CLOSESTS POINTS OF ADJACENT CHARACTERS, EXCLUDING WORK SPACES. SPACINGT BETWEEN INDIVIDUAL CHARACTERS SHALL BE 10% MIN. & 35% MAX. OF CHARACTER HEIGHT.
4. **LINE SPACING**: BASELINES OF SEPARATE LINES SHALL BE 135% MIN. & 170% MAX. OF THE CHARACTER HEIGHT.
5. **LETTERING COLOR**: BLACK
6. **SIGN FINISH**: NON-GLARE



10 SIGN POST FOOTING
1" = 1'-0"



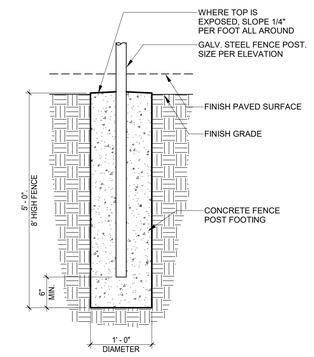
11 CHAIN LINK FENCE ELEVATION, TYPICAL
1/2" = 1'-0"

ACCESSIBLE SIGN NOTES:

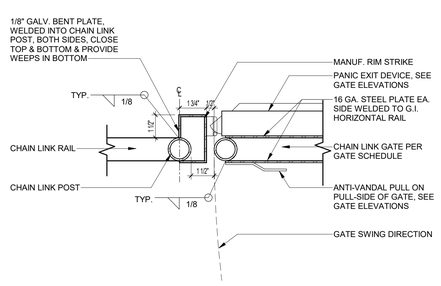
1. **LETTERING HEIGHT** SHALL COMPLY WITH CBC T 11B-703.5.5.
   A. 1" HEIGHT IF TOP OF SIGN MOUNTED ≤ 70" A.G.
   B. 2" HEIGHT IF BOTTOM OF SIGN MOUNTED >70" A.G.
2. **STROKE THICKNESS**: UPPERCASE LETTER "I" SHALL BE 10% MIN. & 20% MAX. OF THE HEIGHT OF THE CHARACTER.
3. **CHARACTER SPACING**: MEASURED BETWEEN THE TWO CLOSESTS POINTS OF ADJACENT CHARACTERS, EXCLUDING WORK SPACES. SPACINGT BETWEEN INDIVIDUAL CHARACTERS SHALL BE 10% MIN. & 35% MAX. OF CHARACTER HEIGHT.
4. **LINE SPACING**: BASELINES OF SEPARATE LINES SHALL BE 135% MIN. & 170% MAX. OF THE CHARACTER HEIGHT.
5. **LETTERING COLOR**: BLACK
6. **SIGN FINISH**: NON-GLARE

NOTE: SIGN TYPE 'SM' MOUNTED @ 60" A.G. ON BUILDING WALL AT ENTRY. SEE A-700

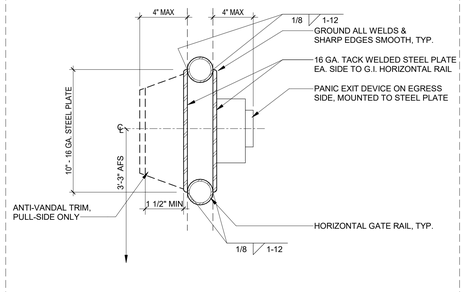
15 GATE-LOCKED SIGN
1 1/2" = 1'-0"



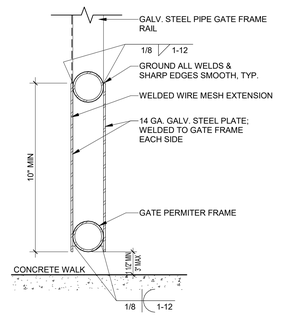
16 FENCE POST FOOTING
1" = 1'-0"



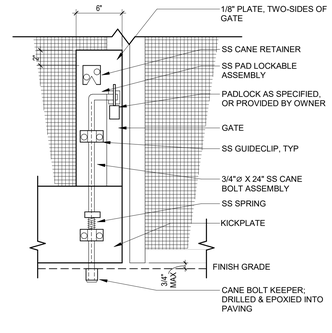
17 CHAIN LINK GATE STRIKE
3" = 1'-0"



18 CHAIN LINK GATE PANIC HARDWARE SECTION
3" = 1'-0"



19 CHAIN LINK GATE KICK PLATE SECTION
3" = 1'-0"



20 CHAIN LINK CANE BOLT DETAIL
1 1/2" = 1'-0"

Lord Architecture Inc.
11650 Iberia Place, Suite 210
San Diego, CA 92128-2455
858-485-6980, 858-485-1510 fax

APPROVED
DIV. OF THE STATE ARCHITECT
APP: 04-120409 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 08/31/2023

SAN PASQUAL VALLEY UNIFIED SCHOOL DISTRICT
SPVHS ATHLETIC FIELDS BLEACHER & RESTROOM REPLACEMENT
676 Baseline Rd, Winterhaven, CA 92283

SAN PASQUAL VALLEY
Unified School District

LICENSED ARCHITECT
KATHERINE I. LORD
No. C 14478
EXP. 02/22
STATE OF CALIFORNIA

Issue Schedule

No.	Description	Date
	DSA	9/8/21
	DSA V2	11/3/21
	DSA V3	11/30/21
1	REVISION 01	06/26/23

Sheet Title: DETAILS - SITE
Project Architect: KATHERINE LORD
Project Number: 1706-103

Sheet Number:
A-501

GENERAL:

1. ALL MATERIALS, WORKMANSHIP, DESIGN AND CONSTRUCTION SHALL CONFORM TO MINIMUM STANDARDS OF THE 2022 EDITION OF THE CALIFORNIA BUILDING CODE (CBC) AND ANY OTHER REGULATORY AGENCIES WHO MAY HAVE AUTHORITY OVER ANY PORTION OF THE WORK.
2. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS, ELEVATIONS AND SITE CONDITIONS PRIOR TO THE START OF CONSTRUCTION AND NOTIFY THE ARCHITECT IMMEDIATELY OF ANY DISCREPANCIES OR INCONSISTENCIES THAT ARE FOUND. NOTED DIMENSIONS TAKE PRECEDENCE OVER SCALED DIMENSIONS. DO NOT SCALE DRAWINGS.
3. WHERE NO CONSTRUCTION DETAILS ARE SHOWN OR NOTED FOR ANY PART OF THE WORK THE DETAILS USED SHALL BE THE SAME AS FOR THE OTHER SIMILAR WORK.
4. WHEN A DETAIL IS IDENTIFIED AS TYPICAL, THE CONTRACTOR IS TO APPLY THIS DETAIL IN ESTIMATING AND CONSTRUCTION TO EVERY LIKE CONDITION WHETHER OR NOT THE REFERENCE IS REPEATED IN EVERY INSTANCE.
5. CONTRACT DRAWINGS AND SPECIFICATIONS REPRESENT THE FINISHED STRUCTURE. CONTRACTOR SHALL PROVIDE TEMPORARY BRACING AND SHORING FOR THE STRUCTURE AND STRUCTURAL COMPONENTS UNTIL ALL FINAL CONNECTIONS HAVE BEEN COMPLETED.
6. WORK PERFORMED IN CONFLICT WITH THE STRUCTURAL DRAWINGS OR APPLICABLE BUILDING CODE REQUIREMENTS SHALL BE CORRECTED AT THE EXPENSE OF THE CONTRACTOR.
7. 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, CALIFORNIA CODE OF REGULATIONS. SHOULD ANY EXISTING CONDITIONS SUCH AS DETERIORATION OR NONCOMPLIANT CONSTRUCTION BE DISCOVERED WHICH IS NOT COVERED BY THE CONTRACT DOCUMENTS WHEREIN THE FINISHED WORK WILL NOT COMPLY WITH TITLE 24, CALIFORNIA CODE OF REGULATIONS, A CONSTRUCTION CHANGE DOCUMENT, OR A SEPARATE SET OF PLANS AND SPECIFICATIONS, DETAILING AND SPECIFYING THE REQUIRED WORK SHALL BE SUBMITTED TO AND APPROVED BY THE DIVISION OF STATE ARCHITECT BEFORE PROCEEDING WITH THE WORK.

STRUCTURAL DESIGN CRITERIA:

1. LOADS:
   DEAD LOADS = D.L. LIVE LOAD = L.L.

	ROOF
D.L.	10.0 PSF
L.L.	20.0 PSF

   SEISMIC PARAMETERS:
   RISK CATEGORY: II
   EQUIVALENT LATERAL FORCE PROCEDURE:
   SEISMIC FORCE-RESISTING SYSTEM: SPECIAL REINFORCED MASONRY SHEAR WALLS
   RESPONSE MODIFICATION COEFFICIENT: R = 5.0, Ω = 2.5
   SEISMIC DESIGN CATEGORY: D
   SITE CLASS: D
   SEISMIC GROUND MOTION VALUES:
   MAPPED ACCELERATION PARAMETERS: S_S = 0.505, S_1 = 0.221
   SITE COEFFICIENTS: S_{MS} = 0.846, S_{M1} = 0.483
   DESIGN SPECTRAL ACCELERATION PARAMETERS: S_{DS} = 0.564, S_{D1} = 0.322
   IMPORTANCE FACTOR, Ie = 1.00
   SEISMIC RESPONSE COEFFICIENT:

	V (k) (SD)	C_s (SD)
	6.58 (ASD)	0.113

   SEISMIC COEFFICIENT FOR ELECTRICAL COMPONENTS: a_p = 1.0, R_p = 2.5
   COMPONENT IMPORTANCE FACTOR, I_p = 1.0
2. WIND: 99 MPH, EXPOSURE: C
   INTERNAL PRESSURE COEFFICIENT = 0.18

FOUNDATION:

1. CHARACTER OF FOUNDATION SOIL: SEE THE SOIL REPORT BY "LANDMARK GEO-ENGINEERS AND GEOLOGISTS" REPORT NO. LCI LE#1854, DATED OCTOBER 8, 2018 AND ADDENDUM 1 DATED DECEMBER 2, 2019.
2. MAXIMUM SOIL PRESSURE: 1,500 PSF FOR DEAD LOAD PLUS LIVE LOADS. THE ALLOWABLE BEARING PRESSURE MAY BE INCREASE BY ONE THIRD WHEN CONSIDERING LOADING OF SHORT DURATION SUCH AS WIND OR SEISMIC FORCES.
3. FOOTING SHALL EXTEND A MINIMUM DEPTH OF 1'-6" BELOW FINISHED GRADE AND SHALL BEAR ENTIRELY ON PROPERLY COMPACTED SOILS, SEE 7/S-501.
4. SPECIAL INSPECTION AND TESTING IS REQUIRED IN ACCORDANCE WITH SECTIONS 1704A, 1707A AND 1708A OF THE CALIFORNIA BUILDING CODE AND THE "STATEMENT OF SPECIAL INSPECTIONS" ON THESE CONSTRUCTION DOCUMENTS AND DSA FORM 103.
5. ANCHOR BOLTS, DOWELS AND HOLDOWN ANCHORS SHALL BE TIED IN PLACE PRIOR TO FOUNDATION INSPECTION.

CONCRETE:

1. CONCRETE SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH IN 28 DAYS OF 4,500 PSI WITH ASTM C150 TYPE V PORTLAND CEMENT 6 SACK MINIMUM, LOW ALKALI W/ A MAXIMUM WATER CEMENT RATIO IF 0.45 (BY WEIGHT).
2. ALL REINFORCING BARS, ANCHOR BOLTS, AND OTHER CONCRETE INSERTS SHALL BE WELL SECURED IN POSITION PRIOR TO PLACING CONCRETE.
3. CONDUIT, PIPES OR DUCTS SHALL NOT BE PLACED IN CONCRETE COLUMNS, WALLS, CONCRETE TOPPING FILLS, SLABS OR CONCRETE TOPPING FILLS UNLESS SPECIFICALLY INDICATED ON THE STRUCTURAL DRAWINGS OR APPROVED IN WRITING BY THE ENGINEER. SLEEVES FOR OPENINGS IN CONCRETE SHALL BE INSTALLED BEFORE PLACING REINFORCING, AND SHALL NOT BE CUT UNLESS APPROVED IN WRITING BY THE ENGINEER.
4. MINIMUM LAP SPLICES OF REINFORCING BARS SHALL BE AS FOLLOWS (UNLESS OTHERWISE NOTED ON PLANS, SEE 5/S-501).
   A. CLASS B AS DEFINED IN ACI 318.
5. WALLS AND COLUMNS SHALL BE DOWELED FROM THE SUPPORTS WITH BARS OF THE SAME SIZE, GRADE AND SPACING UNLESS OTHERWISE NOTED. SPLICE CONTINUOUS WALL OR COLUMN REINFORCEMENT PER 5/S-501 (CLASS B) UNLESS OTHERWISE NOTED.
6. TYPICAL CONCRETE COVERAGE OF REINFORCING:
   CONCRETE CAST AGAINST EARTH ..... 3"
   EXPOSED TO EARTH OR WEATHER ..... #6 AND LARGER ..... 2"
   #5 AND SMALLER ..... 1½"
   UNEXPOSED COLUMNS, BEAMS AND GIRDERS ..... 1½"
   SLAB WALL AND JOISTS ..... ¾"
7. REINFORCEMENT SHALL CONFORM WITH ASTM A615, GRADE 60.
8. CONCRETE CONSTRUCTION SHALL CONFORM WITH CHAPTER 19A OF THE CALIFORNIA BUILDING CODE AND TO THE PROVISIONS OF ACI 318, LATEST ADOPTED EDITION.
9. SPECIAL INSPECTION AND TESTING IS REQUIRED IN ACCORDANCE WITH SECTIONS 1705A.3 OF THE CALIFORNIA BUILDING CODE AND DSA FORM 103.
10. AGGREGATES FOR NORMAL WEIGHT CONCRETE SHALL CONFORM TO ASTM C 33.
11. CONCRETE MIXES SHALL BE DESIGNED BY A QUALIFIED TESTING LABORATORY AND APPROVED BY THE ENGINEER. MIX DESIGN METHOD "C" (FIELD EXPERIENCE OR TRIAL MIXTURES) SHALL BE IN ACCORDANCE WITH ACI 318, SECTION 19.2 SHALL BE USED TO PROPORTION CONCRETE.
12. FLY ASH SHALL BE LIMITED TO NO MORE THAN THE FOLLOWING PERCENTAGES OF THE TOTAL WEIGHT OF CEMENTITIOUS MATERIALS IN THE CONCRETE, UNLESS OTHERWISE NOTED. FLY ASH OR OTHER POZZOLAN SHALL CONFORM TO ASTM C 618 FOR CLASS F MATERIAL (CLASS C IS NOT PERMITTED).
    COLUMNS AND WALLS 15%
    FOUNDATIONS 15%
    SLABS ON GRADE 15%
13. PROJECTING CORNERS OF SLABS, BEAMS, WALLS, COLUMNS, ETC., SHALL BE FORMED WITH A ¾" CHAMFER UNLESS OTHERWISE NOTED.
14. CONSTRUCTION OR CONTROL JOINTS IN SLABS ON GRADE AND LIGHTWEIGHT CONCRETE FLOOR TOPPINGS SHALL BE PROVIDED AS INDICATED. THE LOCATIONS OF JOINTS NOT SPECIFICALLY INDICATED SHALL BE REVIEWED BY THE ENGINEER AND APPROVED BY THE ARCHITECT. WHERE POSSIBLE JOINTS SHALL ALIGN WITH RE-ENTRANT CORNERS OF THE SLAB OR TOPPING.
15. WHERE CONCRETE IS PLACED AGAINST EXISTING CONCRETE SURFACES, THE EXISTING CONCRETE SURFACES SHALL BE THOROUGHLY CLEANED AND ROUGHENED TO A MINIMUM AMPLITUDE OF ¼ INCH, A CONCRETE BONDING AGENT SHALL BE APPLIED TO THE EXISTING CONCRETE SURFACE.
16. PRIOR TO CORE DRILLING CONCRETE WALLS, CONCRETE SLABS AND CONCRETE BLOCK WALLS, LOCATE THE REINFORCEMENT BY NON-DESTRUCTIVE METHODS. DO NOT CUT SLAB REINFORCEMENT NOR VERTICAL REINFORCEMENT IN WALLS.

REINFORCED CONCRETE MASONRY:

1. CONCRETE BLOCK UNITS SHALL BE OPEN-END TYPE UNITS, MEDIUM WEIGHT AND SHALL CONFORM WITH 2022 CBC SECTION 2105A.2, TYPE I, f'm = 2,000 PSI, AND THE FOLLOWING STANDARDS:
   - ASTM C 90-16a, STANDARD SPECIFICATION FOR LOAD-BEARING CONCRETE MASONRY UNITS
   - ASTM C 140-18a, STANDARD TEST METHODS FOR SAMPLING AND TESTING CONCRETE MASONRY UNITS
2. ALL CELLS SHALL BE GROUTED SOLID. UNITS SHALL BE LAID A MAXIMUM OF 4'-0" BEFORE GROUTING. CLEANOUT HOLES SHALL BE PROVIDED AT THE BASE OF ALL GROUTED CELLS FOR LIFTS OVER 4'-0" HIGH. GROUT SHALL BE MECHANICALLY VIBRATED.
3. GROUT CONSTRUCTION JOINTS SHALL BE FORMED BY STOPPING THE POUR NOT LESS THAN ½" OR MORE THAN 2" BELOW THE TOP OF THE UPPERMOST UNIT GROUTED. HORIZONTAL STEEL SHALL BE FULLY GROUTED IN AN UNINTERRUPTED POUR.
4. HORIZONTAL REINFORCEMENT SHALL BE PLACED IN BOND BEAM UNITS WITH A MINIMUM GROUT COVER OF 1" ABOVE STEEL FOR EACH GROUT POUR.
5. MORTAR SHALL BE 2,000 PSI "TYPE S" PER 2022 CBC.
6. GROUT SHALL BE 2,000 PSI MINIMUM PROPORTIONED 1 CEMENT: 2¼ TO 3 SAND: 1 TO 2 COARSE AGGREGATE.
7. REINFORCEMENT SHALL COMPLY WITH ASTM A615 GRADE 60. ASTM A706 GRADE 60 AT WELDED REBARS.
8. BOLTS SHALL HAVE ½" CLEAR ALL AROUND THROUGH THE FACE SHELL, MINIMUM GROUT SURROUNDING THE BOLT.
9. MINIMUM LAP SPLICES OF REINFORCING BARS SHALL BE AS FOLLOWS (UNLESS OTHERWISE NOTED ON PLANS).
   A. 48 BAR DIAMETERS OR 24" MINIMUM, WHICHEVER IS GREATER.
10. MASONRY CONSTRUCTION SHALL CONFORM TO CHAPTER 21A OF THE CALIFORNIA BUILDING CODE AND TMS 402/602-16.
11. CONDUITS OR PIPES SHALL NOT OCCUR IN SAME CELL AS REINFORCING BARS.
12. MASONRY UNITS SHALL BE PLACED IN A RUNNING BOND PATTERN, UNLESS OTHERWISE NOTED.
13. ANCHOR RODS EMBEDDED IN MASONRY SHALL CONFORM TO ASTM F 1554, GRADE 36, UNLESS OTHERWISE NOTED. NUTS FOR ANCHOR RODS SHALL CONFORM TO ASTM A 563, GRADE A HEX (HEAVY HEX WHERE ANCHOR ROD DIAMETER IS GREATER THAN 1½").

STRUCTURAL STEEL:

1. MATERIALS AND WORKMANSHIP SHALL COMPLY WITH THE AISC "SPECIFICATION FOR STRUCTURAL STEEL FOR BUILDINGS" (15TH EDITION), INCLUDING ALL REFERENCED CODES.
2. THE STEEL FABRICATOR/ERECTOR SHALL PROVIDE SHOP DRAWINGS OF ALL STRUCTURAL STEEL FOR REVIEW PRIOR TO ANY FABRICATION OR ERECTION.
3. STRUCTURAL STEEL SHALL CONFORM TO ASTM A992 (Fy=50 KSI) FOR "W" SHAPES AND ASTM A36 (Fy=36 KSI) FOR OTHER SHAPES.
4. MACHINE BOLTS SHALL CONFORM TO ASTM F3125 A307 UNLESS OTHERWISE NOTED.
5. CONNECTED MEMBERS MAY BEAR UPON THE THREADED PORTION OF THE BOLT.
6. HEADED ANCHORS AND ANCHOR RODS EMBEDDED IN CONCRETE AND MASONRY SHALL CONFORM TO ASTM F 1554, GRADE 36, UNLESS OTHERWISE NOTED. NUTS FOR ANCHOR RODS SHALL CONFORM TO ASTM A 563, GRADE A HEX (HEAVY HEX WHERE ANCHOR ROD DIAMETER IS GREATER THAN 1½").
7. ALL WELDING SHALL BE BY SHIELDED PROCESS AND SHALL BE PERFORMED BY CERTIFIED WELDERS USING E-70 ELECTRODES (UNLESS OTHERWISE NOTED) AND CONFORMING TO AISC AND AWS D1.1 STANDARDS. WELDS SHOWN ON DRAWINGS ARE MINIMUM SIZES. INCREASE WELD SIZE TO AWS MINIMUM SIZES, BASED ON PLATE THICKNESS. WELDING PROCEDURES SHALL BE SUBMITTED TO THE OWNER'S TESTING AGENCY FOR REVIEW PRIOR TO START OF FABRICATION OR ERECTION.
8. WELDING OF METAL DECK SHALL BE DONE BY THE CERTIFIED LIGHT GAUGE WELDERS IN ACCORDANCE WITH AWS SPECIFICATIONS FOR WELDING SHEET STEEL IN STRUCTURES, AWS D1.3.
9. ELECTRODES FILLER MATERIAL SHALL BE A MINIMUM OF E70XX UNLESS OTHERWISE NOTED, EXCEPT E60XX MAY BE USED FOR WELDING OF METAL DECK AND LIGHT GAUGE FRAMING.
10. WELDS SHALL HAVE A WELD CONTROLLED SEQUENCE AND TECHNIQUE IN ORDER TO MINIMIZE SHRINKAGE STRESSES AND DISTORTION.

POST INSTALLED ANCHORS:

1. EXPANSION, MECHANICAL AND ADHESIVE ANCHORS IN CONCRETE SHALL BE ICC APPROVED AND INSTALLED PER THE MANUFACTURER'S RECOMMENDATIONS. DIAMETER, BOLT SPACING AND EMBEDMENT SHALL BE AS SHOWN ON THE DRAWINGS.
2. SUBMIT MANUFACTURER'S DATA SHEETS AND ICC REPORTS FOR ENGINEER'S REVIEW PRIOR TO INSTALLATION.
3. WHEN POST-INSTALLED ANCHORS ARE USED FOR OTHER STRUCTURAL APPLICATIONS, ALL SUCH ANCHORS SHALL BE TESTED.

POST INSTALLED ANCHORS	
MASONRY ANCHORS	ICC REPORT NUMBER
SIMPSON "TITEN HD" SCREW ANCHOR	ESR 1056
SIMPSON "SET-XP" ADHESIVE	IAPMO #265
SIMPSON "WEDGE-ALL" WEDGE ANCHOR	ESR 1396
HILTI "HIT-HY 270" ADHESIVE	ESR 4143
HILTI "KB-TZ2" WEDGE ANCHOR	ESR 4561

4. WHEN INSTALLING DRILLED-IN ANCHORS AND/OR POWER DRIVEN PINS IN EXISTING NON- PRESTRESSED REINFORCED CONCRETE, USE CARE AND CAUTION TO AVOID CUTTING OR DAMAGING THE EXISTING REINFORCING BARS. MAINTAIN A MINIMUM CLEARANCE OF ONE INCH BETWEEN THE REINFORCEMENT AND THE DRILLED-IN ANCHOR.
5. TEST FREQUENCY:
   A. ALL ANCHORS SHALL BE TESTED.
   B. AT EQUIPMENT ANCHORAGE, 50 PERCENT OR ALTERNATE BOLTS IN A GROUP, INCLUDING AT LEAST ONE-HALF THE ANCHORS IN EACH GROUP, SHALL BE TESTED. SEE TABLE BELOW FOR TORQUE TEST VALUES. THE TESTING OF THE POST-INSTALLED ANCHORS SHALL BE DONE IN THE PRESENCE OF THE SPECIAL INSPECTOR AND A REPORT OF THE TEST RESULTS SHALL BE SUBMITTED TO THE ENFORCEMENT AGENCY.
6. TEST VALUES:
   A. SEE DETAILS FOR TEST VALUES.

STRUCTURAL OBSERVATION:

1. STRUCTURAL OBSERVATION SHALL BE PERFORMED BY THE REGISTERED ENGINEER RESPONSIBLE FOR THE STRUCTURAL DESIGN FOR CONFORMANCE TO THE APPROVED CONSTRUCTION DOCUMENTS. THE STRUCTURAL OBSERVATION DOES NOT REPLACE, WAIVE OR SERVE AS THE SAME FUNCTION AS INSPECTOR OF RECORD. REFER TO CBC SECTION 1704A.6 FOR ADDITIONAL REQUIREMENTS.

   STAGES OF STRUCTURAL OBSERVATION:
   - DURING FOUNDATION REINFORCEMENT PLACEMENT PRIOR TO CONCRETE POUR
   - CMU CONSTRUCTION
2. CONTRACTOR SHALL NOTIFY THE STRUCTURAL OBSERVER AT THE CONSTRUCTION STAGES INDICATED AND AT THE COMPLETION OF THE STRUCTURAL SYSTEM.

TYPICAL ABBREVIATIONS:

A.B.	ANCHOR BOLT(S)		
ABV.	ABOVE	(N)	NEW
ACI	AMERICAN CONCRETE INSTITUTE	N/A	NON APPLICABLE
ADD'L	ADDITIONAL	N.I.A.	NOT IN CONTRACT
ADJ	ADJACENT	NO., #	NUMBER
AISC	AMERICAN INSTITUTE OF STEEL CONSTRUCTION	NOM.	NOMINAL
		N-S	NORTH-SOUTH
ALT.	ALTERNATE	N.S.	NEAR SIDE
ALUM.	ALUMINUM	N.S.G.	NON-SHRINKING GROUT
APPROX.	APPROXIMATE	N.T.S.	NOT TO SCALE
ARCH.	ARCHITECT	NWT	NOMINAL WEIGHT
ARCH'L	ARCHITECTURAL		
ASTM	AMERICAN SOCIETY FOR TESTING & MATERIALS	O.C.	ON CENTER
		O.D.	OUTSIDE DIAMETER
AVG	AVERAGE	O.F.	OUTSIDE FACE
AWS	AMERICAN WELDING SOCIETY	O.H.	OPPOSITE HAND
&	AND	OPN'G	OPENING
L	ANGLE	OPP.	OPPOSITE
@	AT	O.W.J.	OPEN WEB JOISTS
		OPT'L	OPTIONAL
B, BTM	BOTTOM		
BD	BOARD	PAR.	PARALLEL
BLW	BELOW	P/C	PRECAST CONCRETE
B.F.	BRACED FRAME	PEN.	PENETRATION
B.J.	BLOCK JOINT	PERP.	PERPENDICULAR
BLD'G	BUILDING	PL., ₹	PLATE
BLK	BLOCK	P.L.	PROPERTY LINE
BLK'G	BLOCKING	P.L.F.	POUNDS PER LINEAR FOOT
BM.	BEAM	PLY.	PLYWOOD
B.N.	BOUNDARY NAILING	PRELIM.	PRELIMINARY
BNDRY	BOUNDARY	P.S.F.	LBS PER SQUARE FOOT
B.O.F.	BOTTOM OF FOOTING	P.S.I.	LBS PER SQUARE INCH
B.O.P.	BOTTOM OF PIER	P.T.	PRESSURE TREATED
BRD'G	BRIDGING	P/T	POST TENSION
BRG	BEARING		
BTWN	BETWEEN	QTY	QUANTITY
C	CHANNEL	R. RAD.	RADIUS
CALCS	CALCULATIONS	REF.	REFERENCE
C. CAMB.	CAMBER(ED)	REINF.	REINFORCEMENT
CANT.	CANTILEVER	REM.	REMAINDER
CAP.	CAPACITY	REQ'D	REQUIRED
CBC	CALIFORNIA BUILDING CODE	RET.	RETAINING
CAT.	CATEGORY	REV.	REVISION
C.F.	CUBIC FOOT	R.F.	RIDGE FRAME
C.G.	CENTER OF GRAVITY	RM.	ROOM
C.I.P.	CAST IN PLACE	RND	ROUND
C.J.	CONTROL JOINT	R.O.	ROUGH OPENING
℄	CENTER LINE	RTN	RETURN
CLG	CEILING		
CLR	CLEAR	S.C.	SLIP CRITICAL
CMU	CONCRETE MASONRY UNIT	SCHED.	SCHEDULE
COL.	COLUMN	SECT.	SECTION
CONC.	CONCRETE	S.F.	SQUARE FOOT
CONN.	CONNECTION	SHT.	SHEET
CONST.	CONSTRUCTION	SHT'G	SHEATHING
CONT.	CONTINUOUS	SIM.	SIMILAR
CONTR.	CONTRACTOR	SLRS	SEISMIC LOAD RESISTING SYSTEM
CTR	CENTER(ED)		
CTR'D	CENTERED	S.M.S.	SHEET METAL SCREW
CTSK	COUNTERSINK	S.O.G.	SLAB ON GRADE
C.Y.	CUBIC YARD	SPEC.	SPECIFICATION
		SQ.	SQUARE
D	DEPTH	SQ. YD	SQUARE YARD
d	PENNEY (NAIL)	SS	SELECT STRUCTURAL
D.B.A.	DEFORMED BAR ANCHOR	SST	STAINLESS STEEL
DBL	DOUBLE	STD.	STANDARD
DEPR.	DEPRESSED (DEPRESSION)	ST'GR'D	STAGGERED
DEPT.	DEPARTMENT	STIFF.	STIFFENER
D.F.	DOUGLAS FIR	STL	STEEL
DIA.	DIAMETER	STR'L	STRUCTURAL
DIAG.	DIAGONAL	SUSP.	SUSPENDED
DIAPH.	DIAPHRAGM	SYMM.	SYMMETRICAL
DIM.	DIMENSION		
DKG	DECKING	T	TOP
D.L.	DEAD LOAD	T & B	TOP AND BOTTOM
DN	DOWN	TEMP.	TEMPORARY
DO	DITTO	TEMP.	TEMPERATURE
DTL	DETAIL	T & G	TONGUE AND GROOVE
DWG(S)	DRAWING(S)	THK.	THICK
DWL(S)	DOWEL(S)	THRD	THREADED
		THKN	THICKENED
(E), EXST.	EXISTING	T.L.	TOTAL LOAD
EA.	EACH	T.N.	TOE NAIL
E.E.	EACH END	T.O.C.	TOP OF CONCRETE
E.F.	EACH FACE	T.O.D.	TOP OF DECK
E.J.	EXPANSION JOINT	T.O.F.	TOP OF FOOTING
EL.	ELEVATION	T.O.P.	TOP OF PARAPET
ELEC.	ELECTRICAL	T.O.S.	TOP OF SHEATHING
ELEV.	ELEVATOR	T.O.W.	TOP OF WALL
EMB.	EMBED	TRANSV.	TRANSVERSE
E.N.	EDGE NAIL	TS	TUBE SECTION
ENCL.	ENCLOSURE	TSG	TAPERED STEEL GIRDER
ENGR	ENGINEER	T.O.S.	TOP OF STEEL
EQ.	EQUAL	TYP.	TYPICAL
EQUIP.	EQUIPMENT		
E.S.	EACH SIDE	U.O.N.	UNLESS OTHERWISE NOTED
E.W.	EACH WAY		
EXP.	EXPANSION	VAR.	VARIES
EXT.	EXTERIOR	V, VERT.	VERTICAL
E-W	EAST-WEST	V.I.F.	VERIFY IN FIELD
FAB.	FABRICATION	W	WIDTH (WIDE)
FDN	FOUNDATION	W/	WITH
FIN.	FINISH	W/O	WITHOUT
FLG	FLANGE	W.F.	WIDE FLANGE
FLR	FLOOR	W.H.S.	WELDED HEADED STUD
F.N.	FIELD NAIL	W.P.	WORK POINT
F.O.C.	FACE OF CONCRETE	W.P.J.	WEAKENED PLANE JOINT
F.O.M.	FACE OF MASONRY	W.S.	WELDED STUD
F.O.P.	FACE OF PLYWOOD	WT.	WEIGHT
F.O.S.	FACE OF STUD	WT	STRUCTURAL TEE
FRM'G	FRAMING	W.W.F.	WELDED WIRE FABRIC
F.S.	FAR SIDE		
FT	FEET (FOOT)		
FTG	FOOTING		
ga	GAUGE		
G.B.	GRADE BEAM		
G.C.	GENERAL CONTRACTOR		
GALV.	GALVANIZED		
GEN.	GENERAL		
GLB	GLUED LAMINATED BEAM		
GRD	GRADE		
GYPBD	GYPSUM WALLBOARD		
H, HORIZ.	HORIZONTAL		
HD	HOLDOWN		
HDR	HEADER		
HGR	HANGER		
HSB	HIGH STRENGTH BOLT		
HSS	HOLLOW STRUCTURAL SECTION		
HT	HEIGHT		
I.A.	INSIDE DIAMETER		
I.B.	INVERT ELEVATION		
I.C.	INSIDE FACE		
I.J.	ISOLATION JOINT		
IN.	INCHES		
INFO.	INFORMATION		
INTER.	INTERMEDIATE		
INT.	INTERIOR		
JST	JOIST		
JT	JOINT		
KSI	KIPS PER SQUARE INCH		
K.O.	KNOCK OUT		
LAT.	LATERAL		
LBS, #	POUNDS		
L.F.	LINEAL FEET (FOOT)		
LG	LONG		
L.L.	LIVE LOAD		
LONG.	LONGITUDINAL		
LGTH	LENGTH		
LLH	LONG LEG HORIZONTAL		
LLO	LONG LEG OUTSTANDING		
LLV	LONG LEG VERTICAL		
LWT	LIGHT WEIGHT		
MAS.	MASONRY		
MATL	MATERIAL		
MAX.	MAXIMUM		
M.B.	MACHINE BOLT		
MECH'L	MECHANICAL		
MEMB.	MEMBRANE		
MEZZ.	MEZZANINE		
M.F.	MOMENT FRAME		
MANUF.	MANUFACTURER		
MIN.	MINIMUM		
MISC.	MISCELLANEOUS		
M.O.	MASONRY OPENING		
MTL	METAL		

APPROVED
DIV. OF THE STATE ARCHITECT
APP: 04-120409 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 08/31/2023

Lord Architecture Inc.
11650 Iberia Place, Suite 210
San Diego, CA 92128-2455
858-485-6980, 858-485-1510 fax

SAN PASQUAL VALLEY UNIFIED SCHOOL DISTRICT
SPVHS ATHLETIC FIELDS BLEACHER & RESTROOM REPLACEMENT
676 Baseline Rd, Winterhaven, CA 92283

SAN PASQUAL VALLEY
Unified School District

LICENSED ARCHITECT
KATHERINE T. LORD
No. C 14478
EXP. 02/25
STATE OF CALIFORNIA

Issue Schedule

No.	Description	Date
	DSA	9/8/21
	DSA V2	11/3/21
	DSA V3	11/30/21
1	REVISION 01	06/14/23

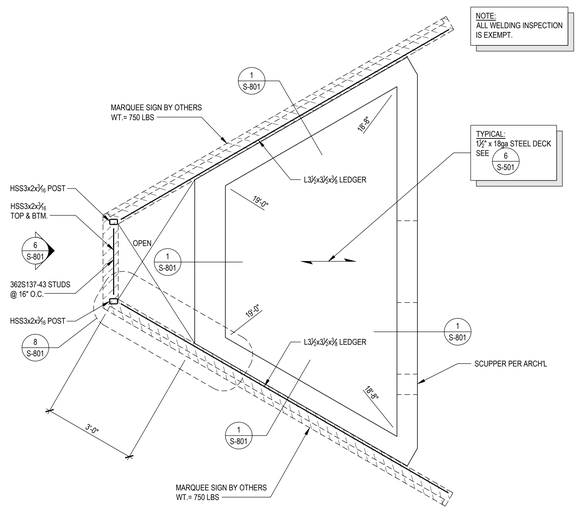
Sheet Title: GENERAL NOTES
Project Architect: KATHERINE LORD
Project Number: 1706-103

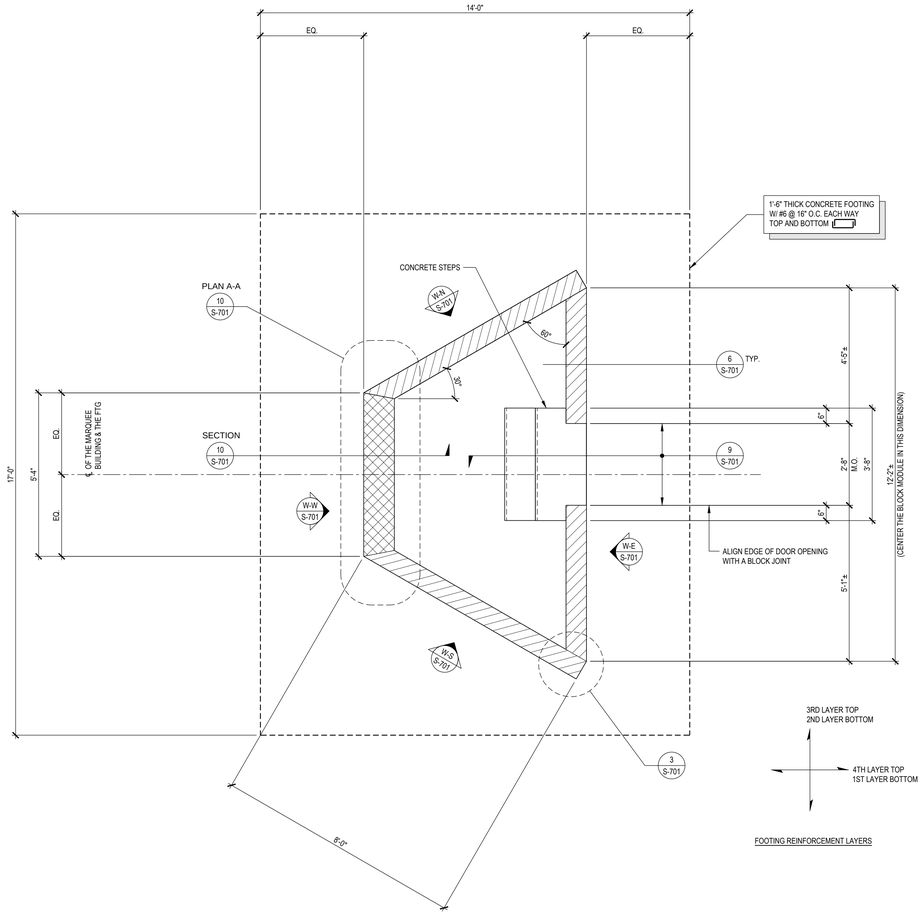
Sheet Number: S-001

REGISTERED PROFESSIONAL ENGINEER
OSCAR GONZALEZ
No. 3529
Exp. 3-31-25
CIVIL
STATE OF CALIFORNIA

22006A

OGONZALEZ, INC.
ENGINEERS
3708 Viewverde
Bonita, CA 91902
Tel: 619-871-5344





ROOF FRAMING PLAN

SCALE: 1/2"=1'-0"

ROOF FRAMING NOTES:

1. FOR ADDITIONAL NOTES, SEE THE FOUNDATION NOTES.
2. 11'-0" DENOTES BOTTOM OF STEEL DECK FROM THE TOP OF FOOTING ELEVATION = 0'-0".
3. SEE ARCHITECTURAL DRAWINGS FOR THE TOP OF PARAPET ELEVATIONS, DRAINS, OVER FLOWS, CRICKETS, ETC. PROVIDE FRAMING PER -/- AND/OR -/- AT ROOF SUMPS AND OTHER SIMILAR ROOF PENETRATIONS.
4. T.O.M. DENOTES TOP OF MASONRY.
5. (T) DENOTES TOP.
6. (B) DENOTES BOTTOM.
7. DENOTES THE SPAN DIRECTION OF THE ROOF STEEL DECK.
8. FOR THE STEEL DECK PROPERTIES AND WELDING PATTERN TO THE SUPPORTS, SEE 6/S-501.

FOUNDATION PLAN

SCALE: 1/2"=1'-0"

FOUNDATION NOTES:

1. FOR ADDITIONAL NOTES, SEE THE ROOF FRAMING NOTES.
2. FOR ADDITIONAL DIMENSIONS, FINISH FLOOR ELEVATIONS, CONCRETE WALKS, CURB, FENCES, LOCATIONS OF FLOOR DRAINS, SLOPES, ETC. SEE THE ARCHITECTURAL & PLUMBING DRAWINGS.
3. PROVIDE VERTICAL REINFORCEMENT AT EACH CORNER OF CONCRETE AND MASONRY WALLS, SEE 3/S-701 AND 10/S-701, WITH DOWELS TO MATCH, LAP 48 BAR DIA.
4. FOR TYPICAL REINFORCEMENT AT INTERSECTIONS AND CORNERS OF FOOTINGS AND WALLS, SEE 3/S-501.
5. FOR MASONRY LINTEL SEE 14/S-501.
6. DENOTES 8" CONCRETE BLOCK WALL.
7. DENOTES 12" CONCRETE BLOCK WALL.
8. F.O.M. DENOTES FACE OF MASONRY.
9. M.O. DENOTES MASONRY OPENING.
10. FOR THE BUILDING OVER-EXCAVATION & RECOMPACTION, SEE 7/S-501.
11. FOR FOUNDATION FORMWORK, SEE 8/S-501.
12. PRIOR TO THE CONTRACTOR REQUESTING A FOUNDATION INSPECTION, THE SOILS ENGINEER SHALL ADVISE THE INSPECTOR OF RECORD IN WRITING THAT:
    A. THE BUILDING PAD WAS PREPARED IN ACCORDANCE WITH THE SOILS REPORT.
    B. THE UTILITY TRENCHES HAVE BEEN PROPERLY BACKFILLED AND COMPACTED, AND
    C. THE FOUNDATION EXCAVATIONS COMPLY WITH THE INTENT OF THE SOILS REPORT.
13. FOR PLUMBING PIPE, ELECTRICAL CONDUITS, DATA LINES ETC, THROUGH FOOTINGS, SEE 9/S-501 & 10/S-501.
14. W-N DENOTES ELEVATION, SEE SHEET S-701.
15. FOR CONDUITS IN THE BLOCK WALLS, SEE 13/S-501.

REGISTERED PROFESSIONAL ENGINEER
OMAR GONZALEZ
No. 29291
Exp. 3-31-25
CIVIL
STATE OF CALIFORNIA

22006A

OGONZALEZ, INC.
ENGINEERS
3708 VIEWVERDE
BONITA, CA 91902
TEL: 619-871-5344

APPROVED
DIV. OF THE STATE ARCHITECT
APP: 04-120409 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 08/31/2023

Lord Architecture Inc.
11650 Iberia Place, Suite 210
San Diego, CA 92128-2455
858-485-6980, 858-485-1510 fax

SAN PASQUAL VALLEY UNIFIED SCHOOL DISTRICT
SPVHS ATHLETIC FIELDS BLEACHER & RESTROOM REPLACEMENT
676 Baseline Rd, Winterhaven, CA 92283

SAN PASQUAL VALLEY
Unified School District

LICENSED ARCHITECT
KATHERINE T. LORD
No. C 14478
EXP. 02/25
STATE OF CALIFORNIA

Issue Schedule

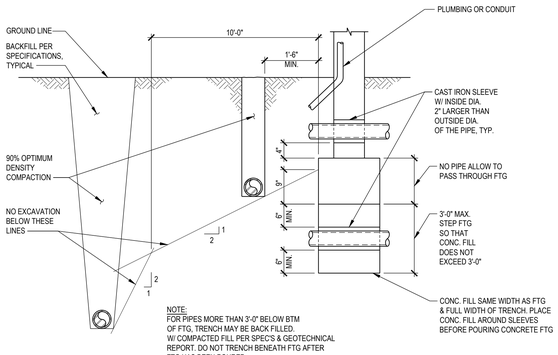
No.	Description	Date
	DSA	9/8/21
	DSA V2	11/3/21
	DSA V3	11/30/21
1	REVISION 01	06/14/23

Sheet Title: FOUNDATION AND ROOF FRAMING PLAN

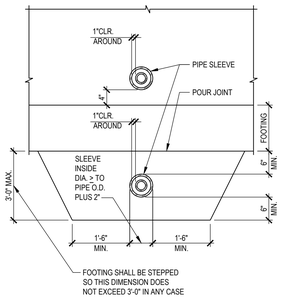
Project Architect: KATHERINE LORD

Project Number: 1706-103

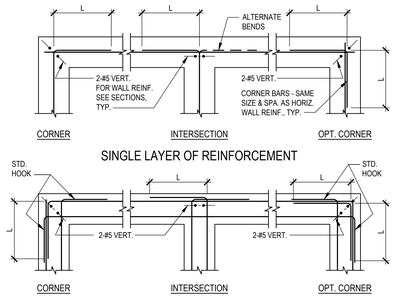
Sheet Number: S-111



NOTE:
FOR PIPES MORE THAN 3'-0" BELOW BTM OF FTG, TRENCH MAY BE BACK FILLED. W/ COMPACTED FILL PER SPEC'S & GEOTECHNICAL REPORT. DO NOT TRENCH BENEATH FTG AFTER FTG HAS BEEN POURED.

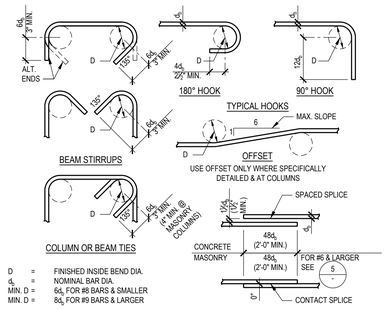


PIPE AND TRENCH AT FOOTINGS — 2



L = 36D, 2'-0" MIN. FOR CONCRETE
L = 48D, 2'-0" MIN. FOR MASONRY

TYPICAL REINF. AT INTERSECTIONS OF FOOTINGS, CONC. AND MASONRY WALLS — 3



D = FINISHED INSIDE BEND DIA.
d_b = NOMINAL BAR DIA.
MIN. D = 6d_b FOR #8 BARS & SMALLER
MIN. D = 8d_b FOR #9 BARS & LARGER

TYPICAL REINF. BAR BENDS & LAP SPLICES — 4

REINF. SIZE	BOTTOM REINF. LAP LENGTH	TOP REINF. LAP LENGTH
#3	1'-7"	2'-0"
#4	2'-2"	2'-8"
#5	2'-7"	3'-6"
#6	3'-2"	4'-0"
#7	4'-6"	5'-10"
#8	5'-3"	6'-9"
#9	5'-11"	7'-7"
#10	6'-6"	8'-7"

NOTES:
1. TABULATED VALUES ARE BASED ON GRADE 60 REINFORCING BARS AND NORMAL WEIGHT CONCRETE (f'c ≥ 4,000 PSI).
2. "BOTTOM BARS" ARE ALL VERTICAL BARS, ALL HORIZONTAL WALL REINFORCEMENT, AND HORIZONTAL REINFORCEMENT WITH LESS THAN 12 INCHES OF CONCRETE CAST BELOW THE BARS.
3. "TOP BARS" ARE HORIZONTAL BARS WITH MORE THAN 12 INCHES OF CONCRETE CAST BELOW THE BARS.
4. FOR BARS WITH CLEAR COVER LESS THAN 1x BAR DIAMETER OR CLEAR SPACING LESS THAN 2x BAR DIAMETER, MULTIPLY TABULATED VALUES BY 1.5
5. FOR TYPE 'A' SPLICES DIVIDE TABULATED VALUES BY 1.3.

SPLICE LAP LENGTH SCHEDULE FOR CONCRETE — 5

½" "VERCO B-36" GALVANIZED STEEL DECK
IAPMO ES 217

MINIMUM SECTION PROPERTIES PER FOOT OF WIDTH

GAGE	"I", in⁴	"+S", in³	"-S", in³
18ga.	0.302	0.322	0.335

NOTES:
1. PROVIDE A MINIMUM OF 2" BEARING AT ALL SUPPORTS.
2. SEAMS: BUTTON PUNCH @ 24" O.C.
3. FLUTES PERPENDICULAR TO SUPPORTS: HILTI "X-HSN 24" SHOTPINS (ESR 2776) @ EACH LOW FLUTE.
4. FLUTES PARALLEL TO SUPPORTS: HILTI "X-HSN 24" SHOTPINS @ EACH LOW FLUTE.

STEEL ROOF DECK — 6

NOTE:
1. THE DEPTH OF RECOMPACTED NATIVE SOILS SHALL BE 4'-0" BELOW THE TOP OF THE BUILDING PAD ELEVATION OR 2'-0" BELOW THE FOOTINGS, WHEREVER IS GREATER.

OVER-EXCAVATION AND RECOMPACTION — 7

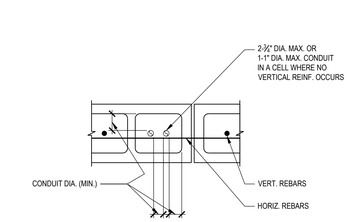
MANDATORY MINIMUM FORMWORK
(UNLESS FULLY FORMED)

NOTES:
1. FOUNDATION CONCRETE MAY BE PLACED DIRECTLY INTO NEAT EXCAVATIONS PROVIDED THE FOUNDATION TRENCH WALLS ARE STABLE AS DETERMINED BY THE ARCHITECT (STRUCTURAL ENGINEER) SUBJECT TO THE APPROVAL OF THE DIVISION OF STATE ARCHITECT. THE MINIMUM FORMWORK SHOWN ON THE DRAWINGS IS MANDATORY TO INSURE CLEAN EXCAVATIONS IMMEDIATELY PRIOR TO AND DURING THE PLACING OF CONCRETE.
2. FORMWORK IS NOT PERMITTED BELOW GRADE UNLESS FULLY FORMED.
3. STAKES ARE NOT PERMITTED WITHIN FOOTING SECTION.

FOUNDATION FORMWORK DETAIL — 8

TYPICAL PIPE ELBOW THROUGH GRADE BEAMS — 9

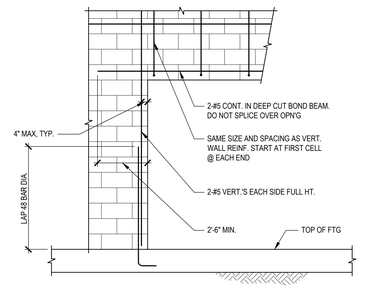
TYPICAL VERTICAL PIPE THROUGH GRADE BEAMS — 10



NOTE:
1. NO CONDUITS ARE ALLOWED IN CELLS WITH VERTICAL REINFORCEMENT.

PLAN

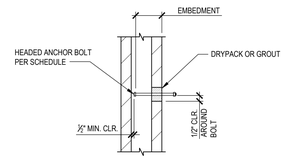
CONDUITS IN MASONRY WALLS — 13



MASONRY LINTEL — 14

MINIMUM EMBEDMENT FOR ALL BOLTS IN CONCRETE OR MASONRY WALLS	
* BOLT SIZE	EMBEDMENT, MIN.
¾"	5"

* BOLTS SHALL BE ACCURATELY SET WITH TEMPLATES



HEADED ANCHOR BOLT TO MASONRY WALL — 15

16 17 18 19 20

REGISTERED PROFESSIONAL ENGINEER OMAR GONZALEZ No. 2529 Exp. 3-31-25 CIVIL STATE OF CALIFORNIA

22006A

OGONZALEZ, INC.
ENGINEERS
3708 VIEWVERDE
BONITA, CA 91902
TEL: 619-871-5344

APPROVED
DIV. OF THE STATE ARCHITECT
APP: 04-120409 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 08/31/2023

Lord Architecture Inc.
11650 Iberia Place, Suite 210
San Diego, CA 92128-2455
858-485-6980, 858-485-1510 fax

SAN PASQUAL VALLEY UNIFIED SCHOOL DISTRICT
SPVHS ATHLETIC FIELDS BLEACHER & RESTROOM REPLACEMENT
676 Baseline Rd, Winterhaven, CA 92283

SAN PASQUAL VALLEY
Unified School District

LICENSED ARCHITECT KATHERINE I. LORD No. C 14478 EXP. 02/25 STATE OF CALIFORNIA

Issue Schedule

No.	Description	Date
	DSA	9/8/21
	DSA V2	11/3/21
	DSA V3	11/30/21
1	REVISION 01	06/14/23

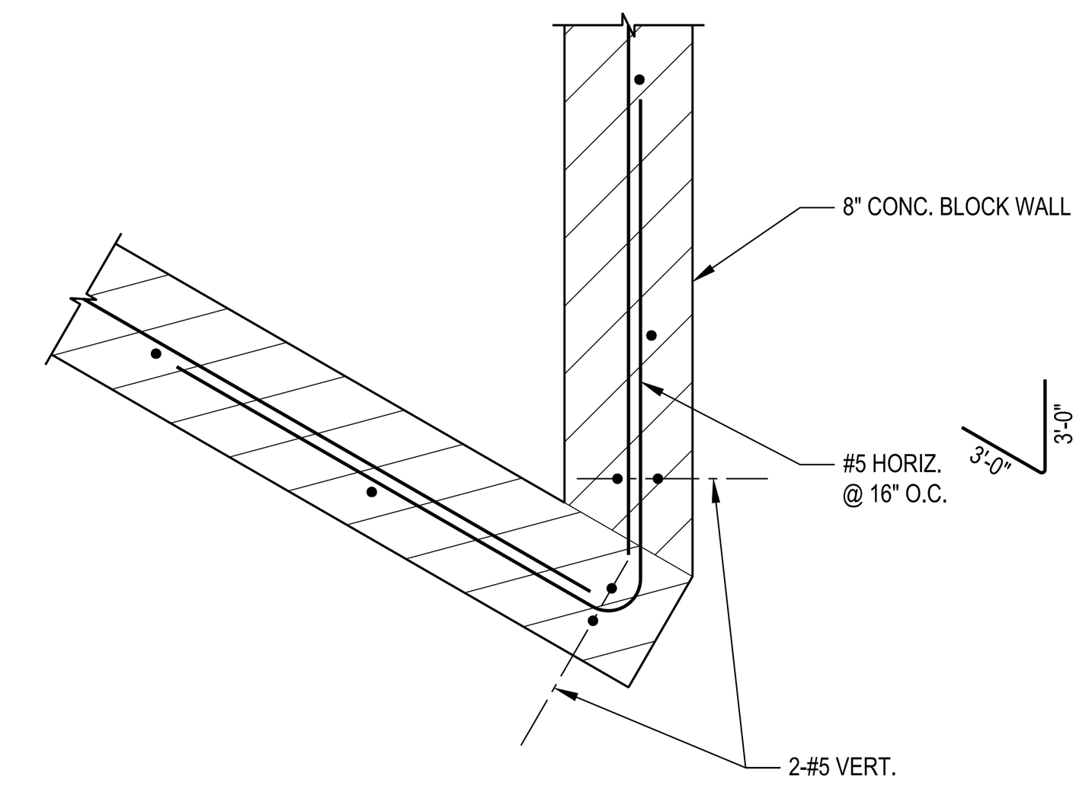
Sheet Title: TYPICAL DETAILS
Project Architect: KATHERINE LORD
Project Number: 1706-103

Sheet Number:
S-501

APPROVED
DIV. OF THE STATE ARCHITECT
APP: 04-120409 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 08/31/2023

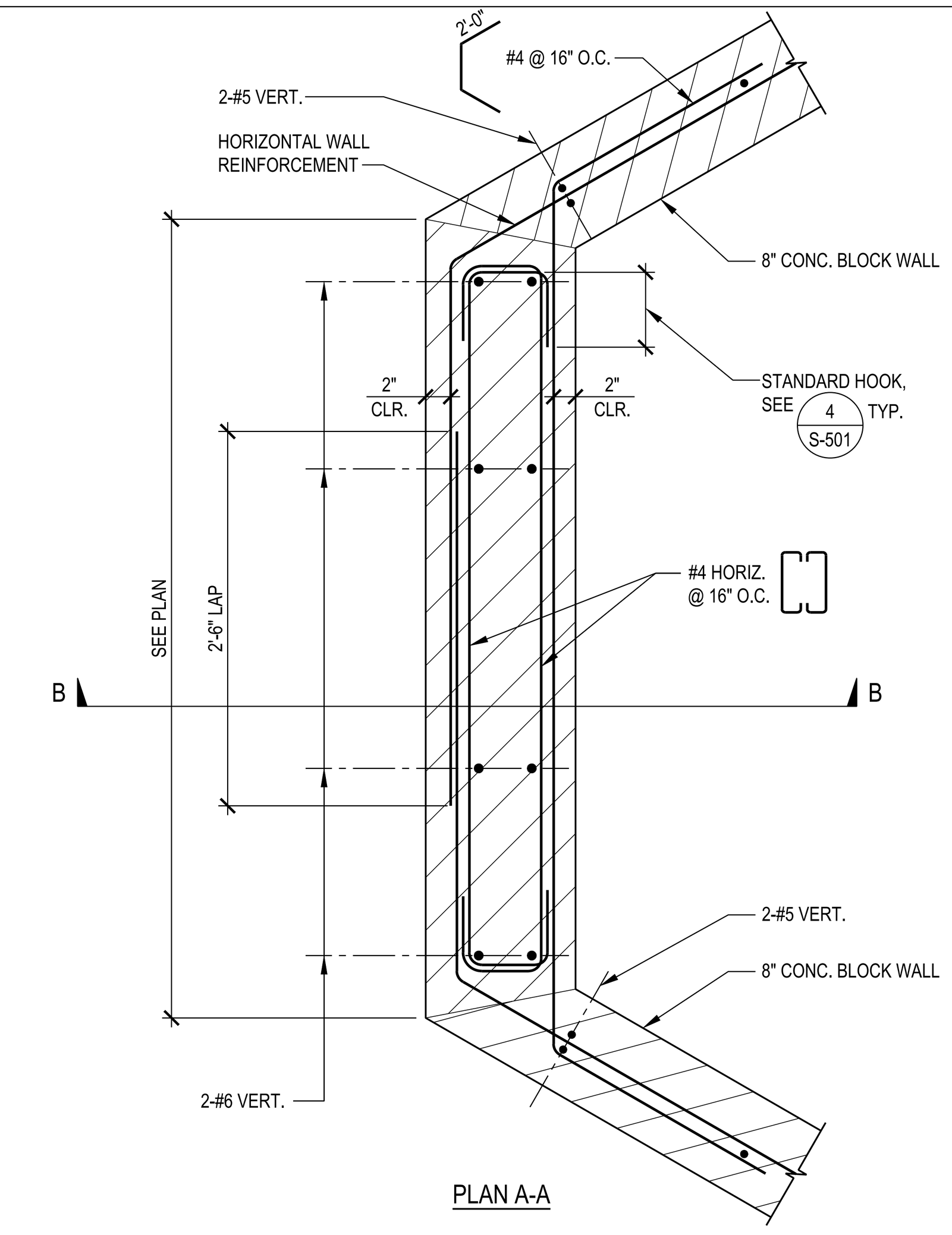
Lord Architecture Inc.
11650 Iberia Place, Suite 210
San Diego, CA 92128-2455
858-485-6980, 858-485-1510 fax

SAN PASQUAL VALLEY UNIFIED SCHOOL DISTRICT
SPVHS ATHLETIC FIELDS BLEACHER & RESTROOM REPLACEMENT
676 Baseline Rd, Winterhaven, CA 92283



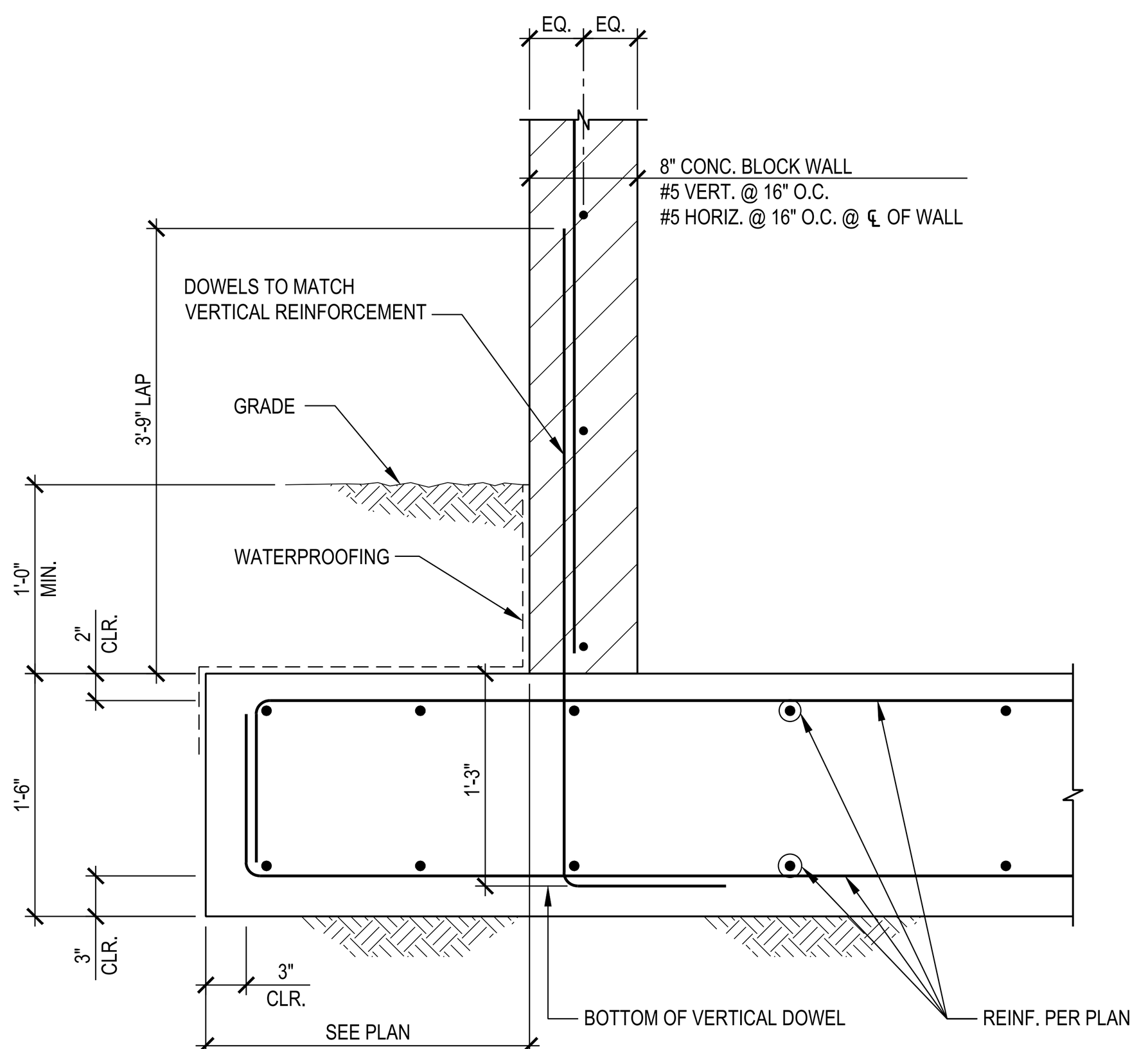
PLAN

3



PLAN A-A

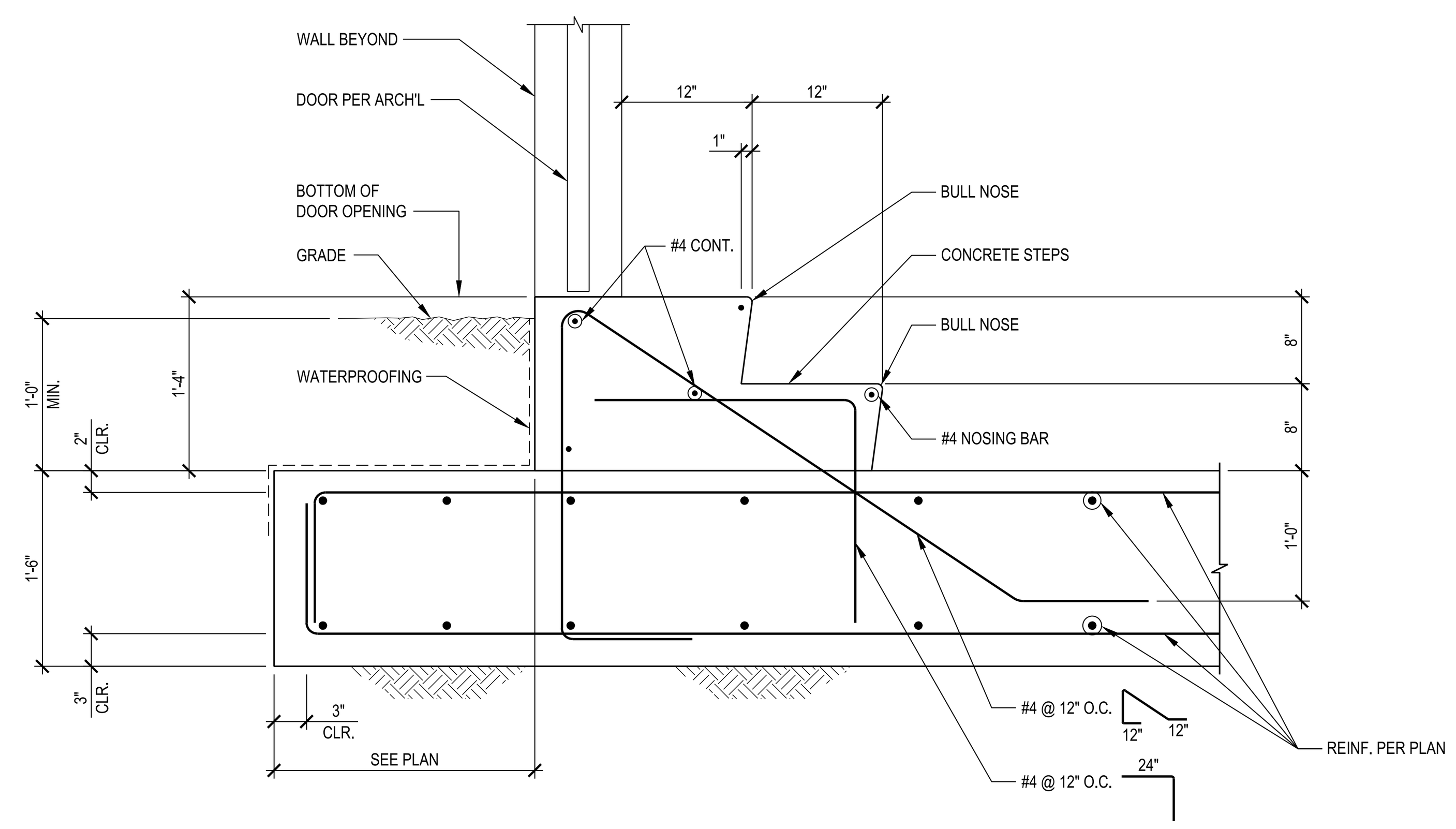
4



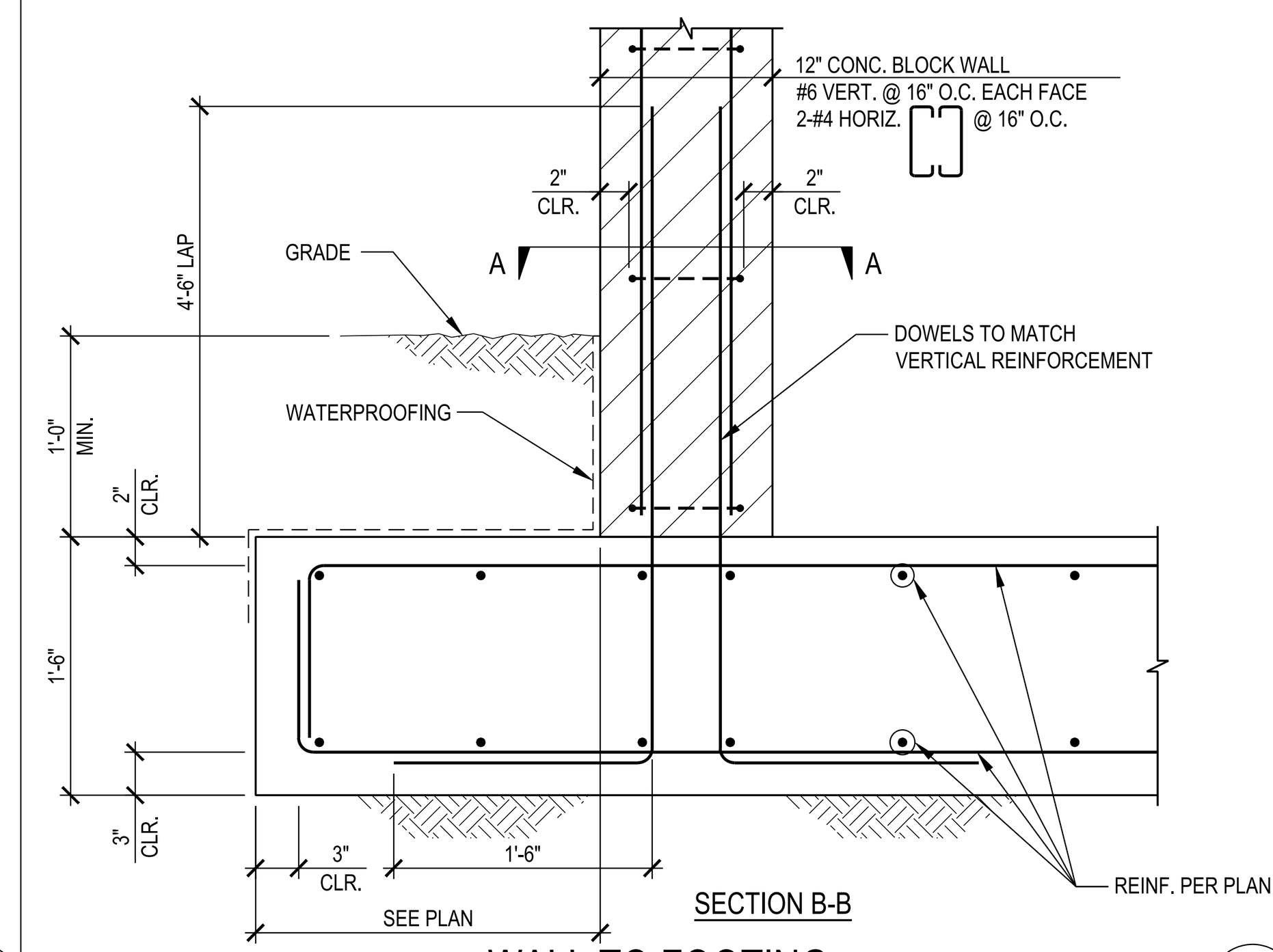
WALL TO FOOTING

6

7



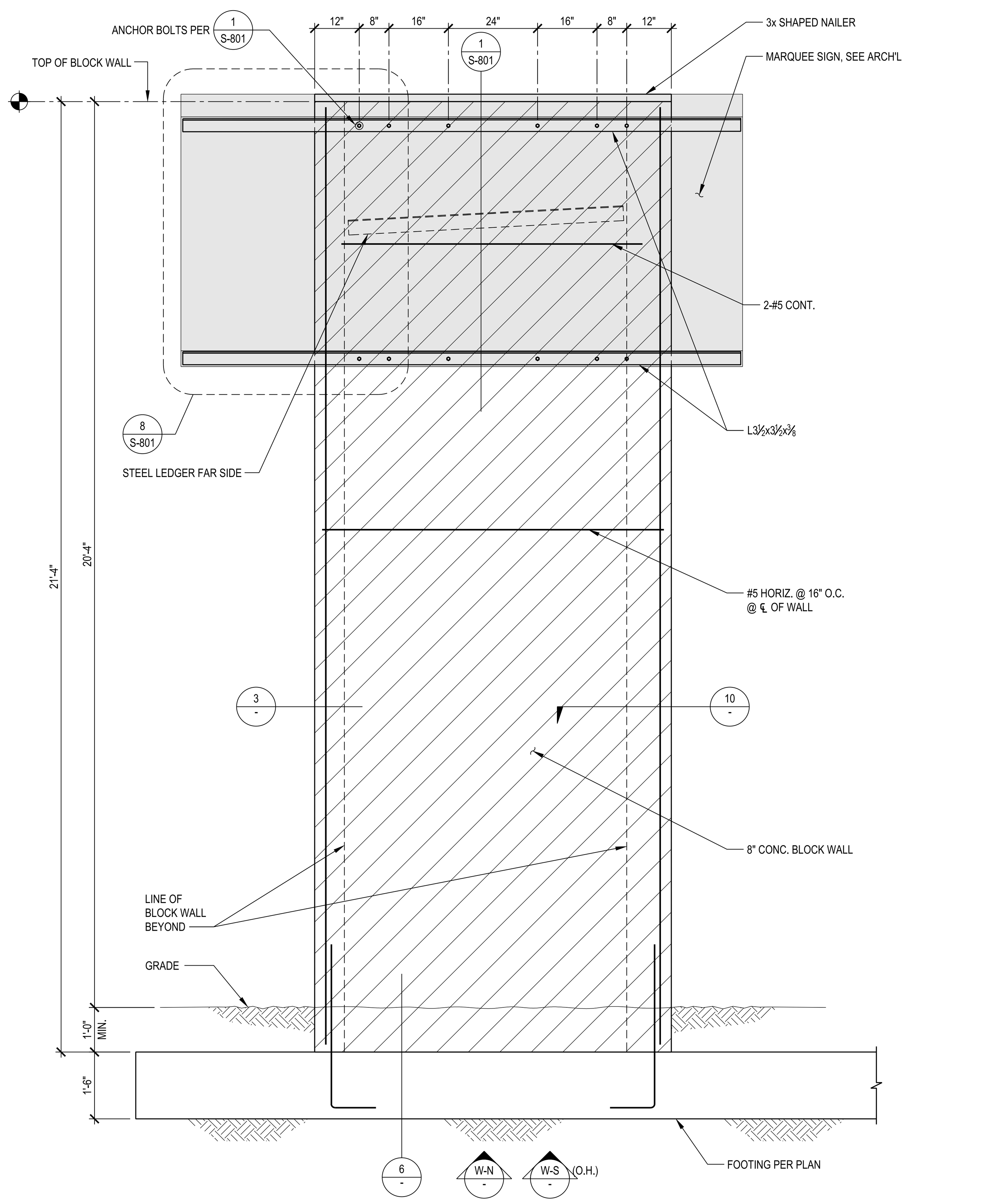
9



SECTION B-B

WALL TO FOOTING

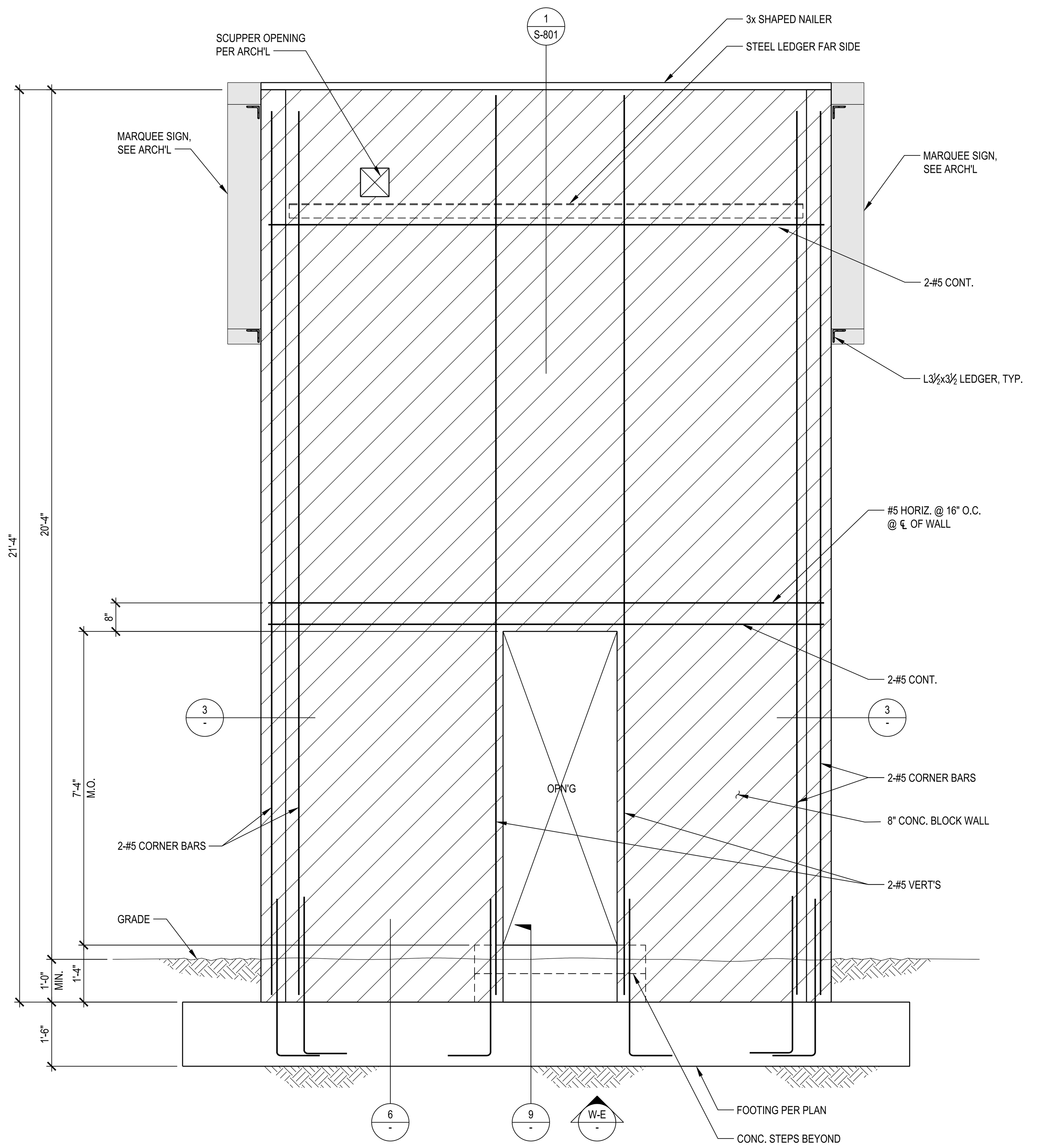
10



WALL ELEVATION

SCALE: ½"=1'-0"

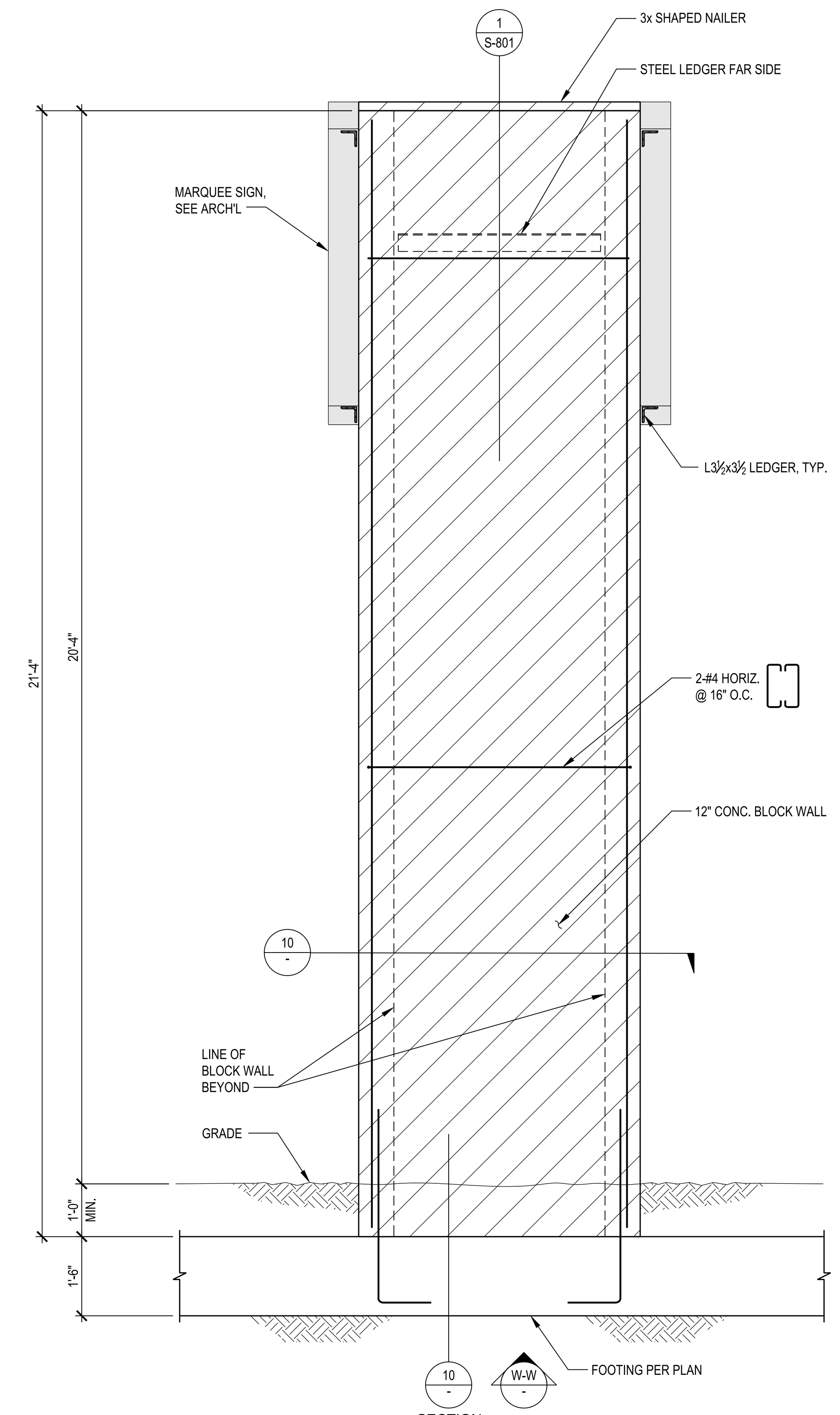
17



WALL ELEVATION

SCALE: ½"=1'-0"

19



WALL ELEVATION

SCALE: ½"=1'-0"

20

SAN PASQUAL VALLEY Unified School District

LICENSED ARCHITECT
KATHERINE I. LORD
No. C 14478
EXP. 02/25
STATE OF CALIFORNIA

REGISTERED PROFESSIONAL ENGINEER
OSCAR GONZALEZ
No. 2529
Exp. 3-31-25
STATE OF CALIFORNIA

22006A

OGONZALEZ, INC.
ENGINEERS
3708 VIEWVERDE
BONITA, CA 91902
TEL: 619-871-5344

Issue Schedule

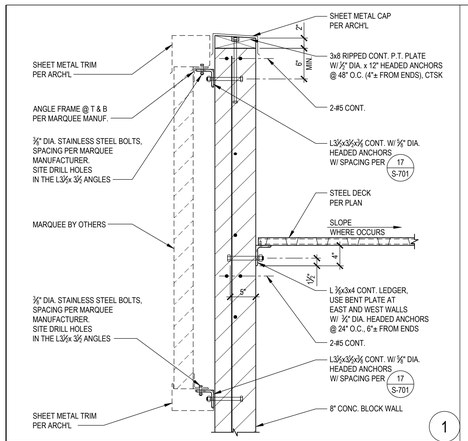
No.	Description	Date
	DSA	9/8/21
	DSA V2	11/3/21
	DSA V3	11/30/21
1	REVISION 01	06/14/23

Sheet Title: DETAILS AND WALL ELEVATIONS

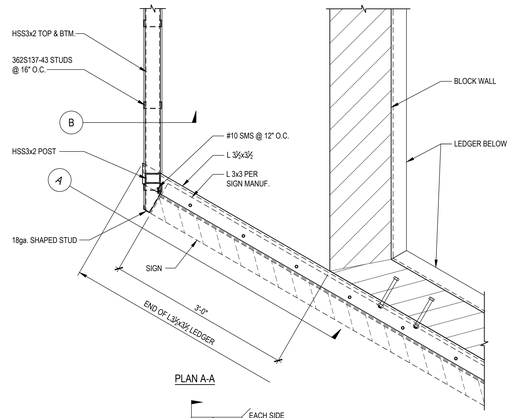
Project Number: 1706-103

Project Architect: KATHERINE LORD

Sheet Number: S-701



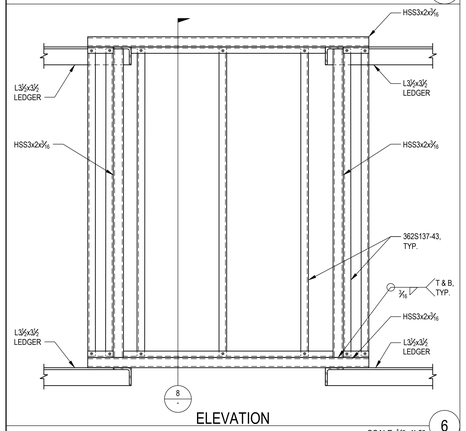
1



PLAN A-A

4

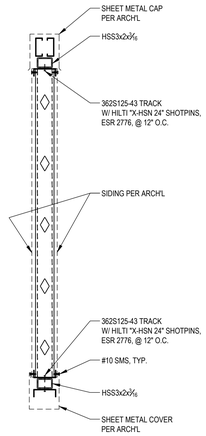
5



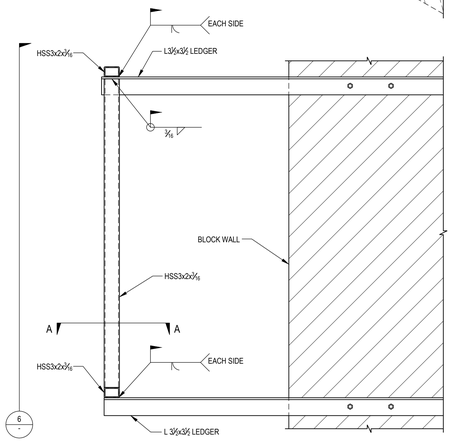
ELEVATION

SCALE: ½"=1'-0"

6



SECTION - B



SECTION - A

8

9

10

11

12

13

14

15

16

17

18

19

20

APPROVED
DIV. OF THE STATE ARCHITECT
APP: 04-120409 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 08/31/2023

Lord Architecture Inc.
11650 Iberia Place, Suite 210
San Diego, CA 92128-2455
858-485-6980, 858-485-1510 fax

SAN PASQUAL VALLEY UNIFIED SCHOOL DISTRICT
SPVHS ATHLETIC FIELDS BLEACHER & RESTROOM REPLACEMENT
676 Baseline Rd, Winterhaven, CA 92283

SAN PASQUAL VALLEY
Unified School District

LICENSED ARCHITECT
KATHERINE T. LORD
No. C 14478
EXP. 02/25
STATE OF CALIFORNIA

Issue Schedule

No.	Description	Date
	DSA	9/8/21
	DSA V2	11/3/21
	DSA V3	11/30/21
1	REVISION 01	06/14/23

Sheet Title: FRAMING DETAILS

Project Architect: KATHERINE LORD

Project Number: 1706-103

Sheet Number: S-801

REGISTERED PROFESSIONAL ENGINEER
OMAR GONZALEZ
No. 2529
Exp. 3-31-25
STRUCTURAL
STATE OF CALIFORNIA

22006A

OGONZALEZ, INC.
ENGINEERS
3708 VIEWVERDE
BONITA, CA 91902
TEL: 619-871-5344

ABBREVIATIONS

A	AMPERE (AMPS)
AC	ALTERNATING CURRENT
AF	AMPS-FRAME (RATING)
AIC	AMP INTERRUPTING CURRENT
AM	AMMETER
AS	AMP SWITCH (FUSED SWITCH RATING)
AT	AMPS-TRIP (RATING)
AWG	AMERICAN WIRE GAUGE
BC	BARE COPPER
BLDG	BUILDING
C	CONDUIT
CB	CIRCUIT BREAKER
CO	CONDUIT ONLY
CT	CURRENT TRANSFORMER
CU	COPPER
CFOI	CONTRACTOR FURNISHED OWNER INSTALLED
CFCI	CONTRACTOR FURNISHED CONTRACTOR INSTALLED
DPDT	DOUBLE POLE DOUBLE THROW
DPST	DOUBLE POLE SINGLE THROW
DWG	DRAWING
EX	EXISTING
FLA	FULL LOAD AMPS
FVR	FULL VOLTAGE REVERSING
FVNR	FULL VOLTAGE NON-REVERSING
GFI	GROUND FAULT INTERRUPTER
GRD/GND	GROUND
HID	HIGH INTENSITY DISCHARGE
HOA	HAND-OFF-AUTOMATIC
HP	HORSEPOWER
HPS	HIGH PRESSURE SODIUM
HZ	HERTZ
KW	KILOWATT
LCL	LONG CONTINUOUS LOAD
LRA	LOCKED ROTOR AMPS
LTG	LIGHTING
MCC	MOTOR CONTROL CENTER
MCM (KCM)	THOUSAND CIRCULAR MILS
MECH	MECHANICAL
NC	NORMALLY CLOSED
NF	NON-FUSED
NO	NORMALLY OPEN/NUMBER
OFCI	OWNER FURNISHED CONTRACTOR INSTALLED
OFOI	OWNER FURNISHED OWNER INSTALLED
P	POLE
PH	PHASE
POC	POINT OF CONNECTION
PRS	PVC COATED RIGID STEEL (CONDUIT)
PT	POTENTIAL TRANSFORMER
PVC	POLYVINYL CHLORIDE DUCT
SWBD	SWITCHBOARD
TYP	TYPICAL
UG	UNDERGROUND
UON	UNLESS OTHERWISE NOTED
V	VOLT
VA	VOLTAMPERES
VM	VOLTMETER
VL	VERIFY LOCATION
W	WIRE/WATTS
WP	WEATHERPROOF (NEMA TYPE 3R)
WT	WATERTIGHT
XP	EXPLOSION PROOF (RATED FOR AREA HAZARD)

ELECTRICAL SYMBOL LEGEND

POWER CONTINUED

- DUPLEX RECEPTACLE, FLOOR MOUNTED
- DUPLEX RECEPTACLE, WALL MOUNTED, +18" AFF. (U.O.N.)
- HORZ — RECEPTACLE, WALL MOUNTED HORIZONTALLY, +18" AFF. (U.O.N.)
- FOURPLEX RECEPTACLE, WALL MOUNTED, +18" AFF. (U.O.N.)
- RECEPTACLE MOUNTED +6" ABOVE COUNTER BACKSPLASH SEE ARCHITECTURAL PLANS FOR REQUIRED MOUNTING HEIGHT PRIOR TO ROUGH-IN.
- LCD — PROVIDE (2) DUPLEX RECEPTACLE CEILING MOUNTED LOCATE ADJACENT TO PROJECTOR. FIELD VERIFY EXACT LOCATION PRIOR TO ROUGH-IN.
- USB — RECEPTACLE WITH (2) USB PORTS MOUNTED +6" ABOVE COUNTER BACKSPLASH. SEE ARCHITECTURAL PLANS FOR REQUIRED MOUNTING HEIGHT PRIOR TO ROUGH-IN. EATON #TR7156.
- SINGLE RECEPTACLE, WALL MOUNTED +18" AFF. (U.O.N.)
- C — SINGLE RECEPTACLE (CLOCK HANGER TYPE) WALL MOUNTED +7'-0" AFF. (U.O.N.)
- SWITCH CONTROLLED DUPLEX RECEPTACLE +18" U.O.N.
- GFI — DUPLEX GROUND FAULT INTERRUPTING RECEPTACLE +18" AFF. (U.O.N.)
- DUPLEX RECEPTACLE ON EMERGENCY CIRCUIT +18" AFF. (U.O.N.)
- WP — DUPLEX RECEPTACLE IN WEATHERPROOF ENCLOSURE +18" AFF. (U.O.N.)
- WP/L — DUPLEX RECEPTACLE IN WEATHERPROOF 'LOCKING' ENCLOSURE +18" AFF. (U.O.N.) (SEE TYPICAL DETAILS E3 SERIES SHEETS AND SPECIFICATIONS FOR REQUIRED TYPE).
- IG — DUPLEX RECEPTACLE (ORANGE) ISOLATED GROUND WALL MOUNTED +18" AFF. (U.O.N.)
- IG — FOURPLEX RECEPTACLE (ORANGE) ISOLATED GROUND WALL MOUNTED +18" AFF. (U.O.N.)
- TP — DUPLEX RECEPTACLE SAFETY TYPE / TAMPER PROOF WALL MOUNTED +18" AFF. (U.O.N.)
- J — JUNCTION BOX, CEILING OR WALL MOUNTED
- JH — HAND DRYER CONNECTION, SEE ARCHITECTURAL FOR MOUTNING HEIGHT.
- FUSED DISCONNECT SWITCH, WHERE SHOWN NF = NON-FUSED.
- M — MANUAL MOTOR STARTER +48" AFF. OR ON EQUIPMENT (U.O.N.)
- 1 — MOTOR CONNECTION, NUMERAL INDICATES HORSEPOWER.
- AC-1 — MECHANICAL EQUIPMENT TAG (SEE MECHANICAL DRAWINGS FOR DESCRIPTION)
- CONDUIT AND WIRE, CONCEALED IN CEILING OR WALL
- CONDUIT AND WIRE, CONCEALED IN OR UNDER FINISHED FLOOR OR UNDER FINISHED GRADE.
- FLEXIBLE CONDUIT CONNECTION
- BRANCH CIRCUIT HOMERUN TO PANEL. SLASHES INDICATE NUMBER OF CONDUCTORS. EQUIPMENT GROUND WIRE NOT INDICATED U.O.N. #12 CONDUCTORS ARE MINIMUM, NO HASH MARKS = MIN (2) #12
- 3/4" CONDUIT STUBBED FROM DEVICE TO ABOVE ACCESSIBLE CEILING
- #8 — BRANCH CIRCUIT HOMERUN, NUMBER INDICATES INCREASED CONDUCTOR SIZE, CONDUCTORS SHALL REMAIN AS INDICATED FOR SIZE THROUGHOUT THE ENTIRE CIRCUIT.
- PANELBOARD, SURFACE MOUNTED.
- PANELBOARD, RECESSED
- T — STEP-DOWN TRANSFORMER
- DISTRIBUTION SWITCHBOARD
- SR — SURFACE MOUNTED RACEWAY SINGLE SECTION SERIES, NON METALLIC (WHITE)
- SR 2 — SURFACE MOUNTED RACEWAY TWO SECTION SERIES, NON METALLIC (WHITE)
- SR 3 — SURFACE MOUNTED RACEWAY THREE SECTION SERIES, NON METALLIC (WHITE)

GENERAL PROJECT NOTES:

1. UNLESS WHERE OTHERWISE NOTED, ALL WORK INDICATED ON THESE DRAWINGS SHALL BE CONSIDERED NEW WORK.
2. UNLESS WHERE OTHERWISE NOTED, ALL DIMENSIONS ARE TO BE CENTERLINE OF THE DEVICE.

GENERAL DEMOLITION NOTES:

1. ALL ELECTRICAL EQUIPMENT, EXPOSED RACEWAY AND CONDUIT, OUTLET BOXES AND RINGS, AND DEVICES ARE TO BE REMOVED, EXCEPT WHERE SHOWN TO REMAIN. EXISTING WIRING, WHETHER EXPOSED, IN CONDUIT OR RACEWAY IS TO BE REMOVED TO THE GREATEST EXTENT POSSIBLE.
2. THE ELECTRICAL CONTRACTOR IS TO DIRECT THE REMOVAL OF THE ABOVE LISTED WORK.

MEP COMPONENT 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. THE FOLLOWING COMPONENTS SHALL BE ANCHORED OR BRACED TO MEET THE FORCE AND DISPLACEMENT REQUIREMENTS PRESCRIBED IN THE (2022 CBC) SECTIONS 1617A.1.18 THROUGH 1617A.1.26 AND ASCE 7- 16 CHAPTERS 13, 36) AND 30:

1. ALL PERMANENT EQUIPMENT AND COMPONENTS.
2. TEMPORARY, MOVABLE OR MOBILE EQUIPMENT THAT IS PERMANENTLY ATTACHED (E.G. HARD WIRED) TO THE BUILDING UTILITY SERVICES SUCH AS ELECTRICITY, GAS OR WATER. 'PERMANENTLY ATTACHED' SHALL INCLUDE ALL ELECTRICAL CONNECTIONS EXCEPT PLUGS FOR 110/220 VOLT RECEPTACLES HAVING A FLEXIBLE CABLE.
3. TEMPORARY, MOVABLE OR MOBILE EQUIPMENT WHICH IS HEAVIER THAN 400 POUNDS OR HAS A CENTER OF MASS LOCATED 4 FEET OR MORE ABOVE THE ADJACENT FLOOR OR ROOF LEVEL THAT DIRECTLY SUPPORT THE COMPONENT IS REQUIRED TO BE RESTRAINED IN A MANNER APPROVED BY DSA.

THE FOLLOWING MECHANICAL AND ELECTRICAL COMPONENTS SHALL BE POSITIVELY ATTACHED TO THE STRUCTURE BUT NEED NOT DEMONSTRATE DESIGN COMPLIANCE WITH THE REFERENCES NOTED ABOVE. THESE COMPONENTS SHALL HAVE FLEXIBLE CONNECTIONS PROVIDED BETWEEN THE COMPONENT AND ASSOCIATED DUCTWORK, PIPING, AND CONDUIT. FLEXIBLE CONNECTIONS MUST ALLOW MOVEMENT IN BOTH TRANSVERSE AND LONGITUDINAL DIRECTIONS:

A. COMPONENTS WEIGHING LESS THAN 400 POUNDS AND HAVING A CENTER OF MASS LOCATED 4 FEET OR LESS ABOVE THE ADJACENT FLOOR OR ROOF LEVEL THAT DIRECTLY SUPPORT THE COMPONENT.

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.

THE ANCHORAGE OF ALL MECHANICAL, ELECTRICAL AND PLUMBING COMPONENTS SHALL BE SUBJECT TO THE APPROVAL OF THE DESIGN PROFESSIONAL IN GENERAL RESPONSIBLE CHARGE OR STRUCTURAL ENGINEER DELEGATED RESPONSIBILITY AND ACCEPTANCE BY DSA. THE PROJECT INSPECTOR WILL VERIFY THAT ALL COMPONENTS AND EQUIPMENT HAVE BEEN ANCHORED IN ACCORDANCE WITH THE ABOVE REQUIREMENTS.

PIPING, DUCTWORK, AND ELECTRICAL DISTRIBUTION SYSTEM BRACING NOTE

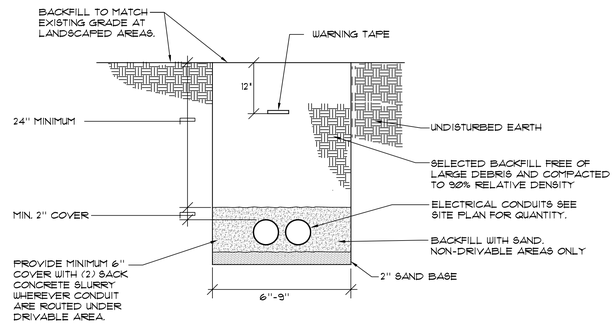
PIPING, DUCTWORK, AND ELECTRICAL DISTRIBUTION SYSTEMS SHALL BE BRACED TO COMPLY WITH THE FORCES AND DISPLACEMENTS PRESCRIBED IN ASCE 7-16 SECTION 13.3 AS DEFINED IN ASCE 7-16 SECTIONS 13.6.5, 13.6.6, 13.6.7, 13.6.8 AND (2022 CBC) SECTIONS 1617A.1.24, 1617A.1.25 AND 1617A.1.26.

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 A PREAPPROVED INSTALLATION GUIDE (E.G., OSHPD OPM FOR 2013 CBC OR LATER), 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 SYSTEMS. THE STRUCTURAL ENGINEER OF RECORD SHALL VERIFY THE ADEQUACY OF THE STRUCTURE TO SUPPORT THE HANGER AND BRACE LOADS.

MECHANICAL PIPING (MP), MECHANICAL DUCTS (MD), PLUMBING PIPING (PP), ELECTRICAL DISTRIBUTION SYSTEMS (E).

MP☐MD☐PP☐E☒ OPTION 1: DETAILED ON THE APPROVED DRAWINGS WITH PROJECT SPECIFIC NOTES AND DETAILS.

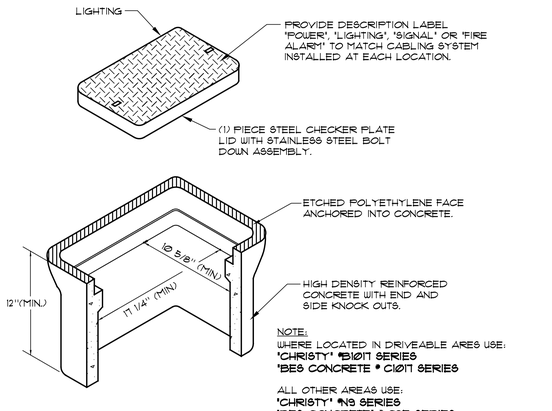
MP☐MD☐PP☐E☐ OPTION 2: SHALL COMPLY WITH THE APPLICABLE OSHPD PRE-APPROVED (OPM#) *



TYPICAL TRENCH DETAIL

NO SCALE

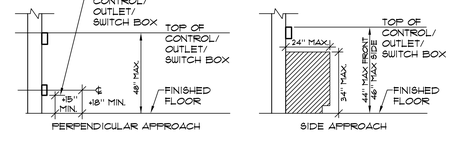
1 / E1Ø



UNDERGROUND PULLBOX STYLE 'A'

NO SCALE

3 / E1Ø



NOTES:

1. MAINTAIN MINIMUM 30"X48" CLEAR FLOOR SPACE AT EACH APPROACH.
2. FORWARD OR FRONT APPROACH FOR DEVICES MOUNTED ABOVE COUNTERS ASSUMES THAT DIRECTLY BELOW THE DEVICE, THE COUNTER HAS A 30" MIN. WIDTH X 21" MIN. HIGH X 19" MIN. DEEP CLEAR OPENING. CBC SECTIONS 11B-306 AND 11B-308.

MOUNTING HEIGHT OVER OBSTRUCTION

NO SCALE

4 / E1Ø

APPROVED
DIV. OF THE STATE ARCHITECT
APP: 04-120409 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 08/31/2023

Lord Architecture Inc.
11650 Iberia Place, Suite 210
San Diego, CA 92128-2455
858-485-6980, 858-485-1510 fax

SAN PASQUAL VALLEY UNIFIED SCHOOL DISTRICT
SPVHS ATHLETIC FIELDS BLEACHER & RESTROOM REPLACEMENT
676 Baseline Rd, Winterhaven, CA 92283

LICENSED ARCHITECT
KATHERINE J. LORD
No. C 14478
EXP. 02/25
STATE OF CALIFORNIA

Issue Schedule

No.	Description	Date
	DSA	9/8/21
	DSA V2	11/3/21
	DSA V3	11/30/21
1	REVISION 01	04/26/23

Sheet Title: ELECTRICAL LEGEND AND NOTES

Project Architect: KATHERINE LORD

Project Number: 1706-103

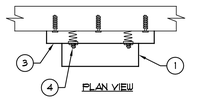
Sheet Number: E1.0

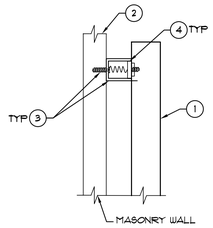
REGISTERED PROFESSIONAL ENGINEER
MICHAEL DESCHAMPS RUSSELL
No. E 14781
Exp. 6-30-2025
ELECTRICAL
STATE OF CALIFORNIA

7/18/2023

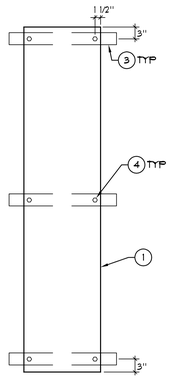
JOHNSON CONSULTING ENGINEERS, INC.
Power | Lighting | Multimedia
Communications | Data Networking
12875 Brookprinter Place, Suite 300
Poway, CA 92064
P 858.679.4030 | F 858.513.0559
www.jce-inc.com

#23005





SIDE ELEVATION
(MASONRY WALL)



FRONT ELEVATION

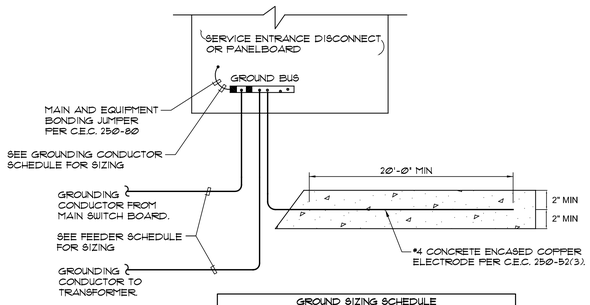
DETAIL NOTES

1. ELECTRICAL PANEL WALL MOUNTED 36" H. X 20" W. X 6" D. MAXIMUM. 150 LBS MAXIMUM WEIGHT.
2. MASONRY WALL
3. UNISTRUT P1000 C-CHANNEL. W/ 3 - 3/8" DIA. HILTI 'KWIK HUS-EZ' SCREW ANCHOR (ICC ESR-3027) WITH 3.25" EMBEDMENT, 6" MIN SPACING AND EDGE DISTANCE TO ALL CMU WALL EDGES. INSTALLATION TORQUE 22 FT-LB.
4. UNISTRUT P2380 ANCHOR.

SURFACE WALL MOUNTED ELECTRICAL PANEL DETAIL

NO SCALE

3 / E1.1



GROUND SIZING SCHEDULE	
EQUIPMENT AMPACITY	GROUNDING CONDUCTOR SIZE
0 - 200 AMPS	#4 CU.
201 - 400 AMPS	#1/0 CU.
401 - 800 AMPS	#2/0 CU.
801 - 1200 AMPS	#3/0 CU.
1201 - 2000 AMPS	#250 CU.
2001 - 4000 AMPS	#350 CU.

SERVICE ENTRANCE GROUNDING AND BONDING DETAIL

NO SCALE

4 / E1.1

SM

277/480 ▼ 3PHASE, 4WIRE

KVA RATING: ◉ 15 KVA ○ 22.5 KVA ○ 30 KVA

Enclosure: ○ Recessed ◉ Surface

Nema Type: ◉ 1 ○ 3R ○ ____

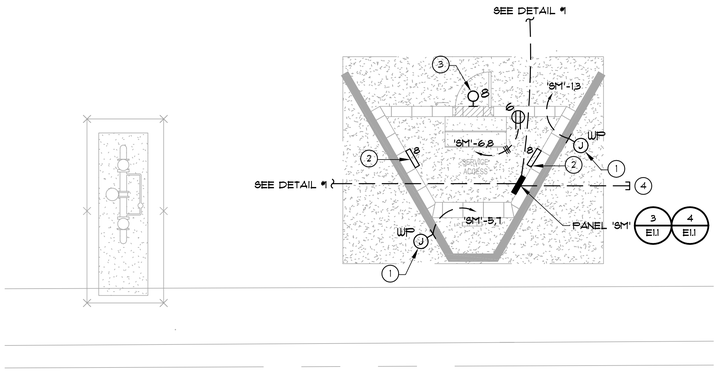
LOAD	NOTE	CIRCUIT DESCRIPTION	AMP	POLE	NO	PHASE A	PHASE B	PHASE C	NO	AMP	POLE	CIRCUIT DESCRIPTION	LOAD	NOTE
☐	LCL	**Marcuee sign**	20	2	1	1300			2	20	1	**Bleacher Receptacle**	☐	LCL
☐	LCL				3	600	1300		4	20	1	**Bleacher Receptacle**	☐	LCL
☐	LCL	**Marcuee Sign**	20	2	5		600	1300	6	20	1	**Receptacle**	☐	LCL
☐	LCL				7	1300		200	8	20	1	**Lights**	☐	LCL
☐	LCL	**SPACE**	20	1	9	200	1300		10	20	1	**SPARE**	☐	LCL
☐	LCL	**SPACE**	20	1	11			1300	12	20	1	**SPARE**	☐	LCL
☐	LCL	**SPACE**	20	1	13			200	14	20	1	**SPACE**	☐	LCL
☐	LCL	**SPACE**	20	1	15				16	20	1	**SPACE**	☐	LCL
☐	LCL	**SPACE**	20	1	17				18	20	1	**SPACE**	☐	LCL
☐	LCL	**SPACE**	20	1	19				20	20	1	**SPACE**	☐	LCL
☐	LCL	**SPACE**	20	1	21				22	20	1	**SPACE**	☐	LCL
☐	LCL	**SPACE**	20	1	23				24	20	1	**SPACE**	☐	LCL

Provide Mini Powerzone Type Panel With the following Criteria:

	15 KVA	
1	277/480 volt Primary Breaker	30 AMP
2	120/208 volt Secondary Breaker rating	60 AMP
3	Secodary breakers as indicated in the schedule above	
4		
5		
6		
7		

TOTAL LOAD PER PHASE	3400	3200	2800
25% LONG CONTINUOUS LOADS	0	0	0
SUB PANEL			
SUB PANEL			
TOTAL CONNECTED LOAD	3400	3200	2800

HIGH PHASE 3400 / 0.9pf = KVA @ 277V **13.6** AMPS
ALL PHASES 9400 / 0.9pf = KVA @ 480V **12.6** AMPS
DEMAND PER ☐ NEC 220-34 0 sq. ft. **AMPS**



KEY NOTES:

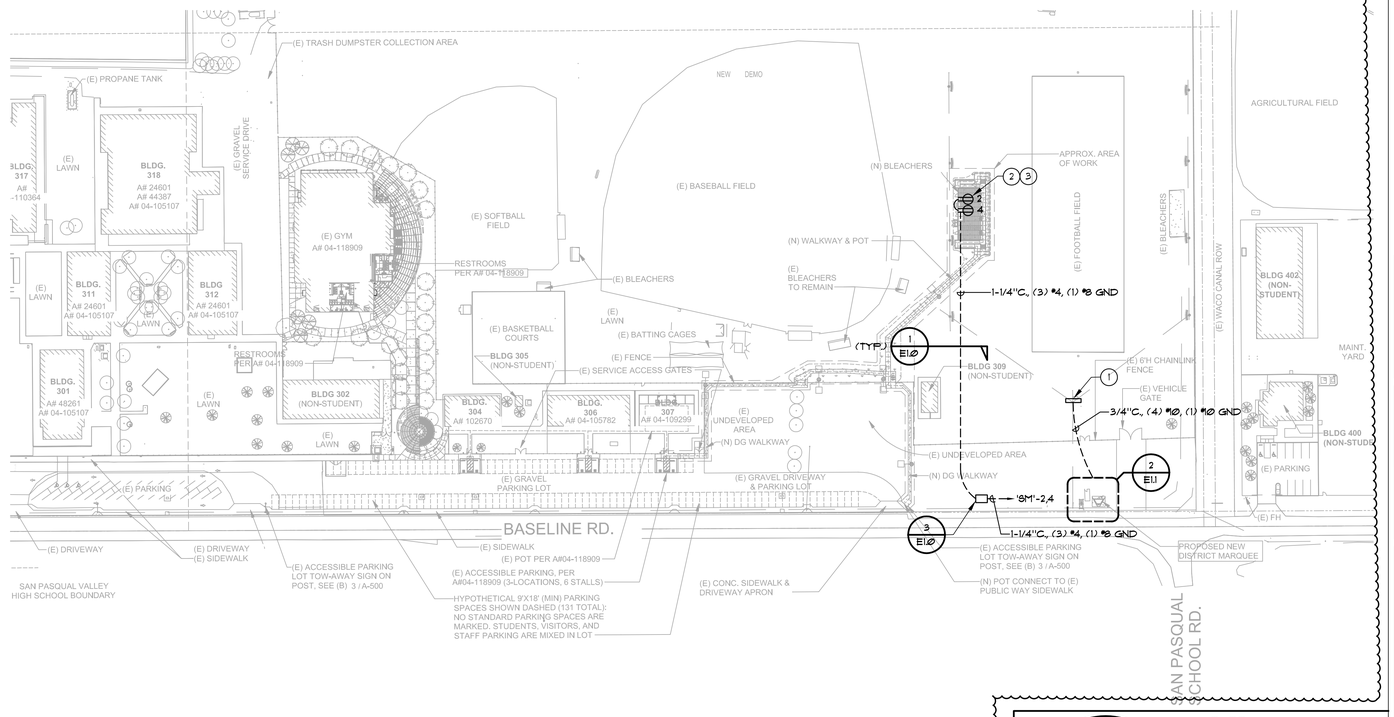
1. POWER CONNECTION TO LED MARQUEE FIELD. VERIFY EXACT LOCATION WITH MANUFACTURER PRIOR TO ROUGH-IN.
2. WALL MOUNTED LIGHT @8'-0" LITHONIA #WL4-40L-L840 MIN. 39 WATTS, 4,000 LUMEN WITH INTEGRAL ON-OFF MOTION SENSOR.
3. WALL MOUNTED LIGHT @10'-6" AFG. TAKE EXTRA CARE TO CENTER LIGHT OVER DOOR CENTERED IN BLOCK FACE. LITHONIA #WDGE2-LED-P3-40K-R2 WITH INTEGRAL MOTION SENSOR/PHOTOCELL (100%/35%) WITH PHOTOCELL PRE-PROGRAMMED FOR DUSK TO DOWN OPERATION. DARK BRONZE FINISH.
4. STUB AND CAP BELOW GRADE (2) 1-1/4"C.O. FOR FUTURE USE.

2 ENLARGED SITE PLAN

1/4" = 1'-0"

KEY NOTES:

1. EXISTING PANEL 'A', 277/480Ø, 3PH (LOADCENTER). REMOVE EXISTING 30AMP/3POLE BREAKER AND 40AMP/2POLE BREAKER CLEAN BOTH BREAKERS AND PANEL INTERIOR. REINSTALL EXISTING BREAKERS AND PROVIDE A NEW 30AMP/3POLE BREAKER TO SERVE PANEL 'SM'. PROVIDE (3) NEW BLANK CIRCUIT SPACE COVERS AS REQUIRED.
2. PROVIDE (2) SURFACE MOUNTED GFI RECEPTACLES IN PRESS BOX. PROVIDE NEMA 3R ENCLOSURE BELOW PRESS BOX TO TAP FEEDER CIRCUIT WITH (2) #2, (1) #2 GND TO EACH RECEPTACLE AS REQUIRED.
3. PROVIDE 1-1/4" RIGID STEEL CONDUIT RISER FROM GRADE ATTACHED TO BLEACHER STRUCTURE AS REQUIRED.



1 OVERALL SITE PLAN

1" = 80'-0"

PROJECT NORTH

APPROVED
DIV. OF THE STATE ARCHITECT
APP: 04-120409 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 08/31/2023

Lord Architecture Inc.
11650 Iberia Place, Suite 210
San Diego, CA 92128-2455
858-485-6980, 858-485-1510 fax

SAN PASQUAL VALLEY UNIFIED SCHOOL DISTRICT
SPVHS ATHLETIC FIELDS BLEACHER & RESTROOM REPLACEMENT
676 Baseline Rd, Winterhaven, CA 92283

LICENSED ARCHITECT KATHERINE I. LORD No. C 14478 EXP. 02/25 STATE OF CALIFORNIA

Issue Schedule		
No.	Description	Date
	DSA	9/8/21
	DSA V2	11/3/21
	DSA V3	11/30/21
1	REVISION 01	04/26/23

Sheet Title: OVERALL SITE PLAN

Project Architect: KATHERINE LORD

Project Number: 1706-103

Sheet Number: E1.1

REGISTERED PROFESSIONAL ENGINEER MICHAEL DESCHAMPS No. E 14781 Exp. 6-30-2025 ELECTRICAL STATE OF CALIFORNIA

#23005 7/18/2023

JOHNSON CONSULTING ENGINEERS, INC.
Power | Lighting | Multimedia
Communications | Data Networking
12875 Brookprinter Place, Suite 300
Poway, CA 92064
P 858.679.4030 | F 858.513.0559
www.jce-inc.com

SECTION 26 01 00

ELECTRICAL GENERAL PROVISIONS

PART 1– GENERAL

SUMMARY

1.1 This Division of the specification outlines the provisions of the contract work to be performed under this Division.

1.2 Where the words 'provide' or 'provision' are used, it shall be definitely interpreted as "furnishing and installing complete in operating condition". Where the words 'as indicated' or 'as shown' are used, it shall mean as shown on contract drawings.

1.3 Where items are specified in the singular, this Division shall provide the quantity as shown on drawings plus any spares or extras mentioned on drawings or specifications. All specified and supplied equipment shall be new.

CONTRACTOR QUALIFICATIONS

1.4 The Contractor shall have a current California C-10 Electrical Contractor's license and all individuals working on this project shall have passed the Department of Industrial Relations Division of apprenticeship Standards – "Electrician Certification Program."

STANDARDS

1.5 The following standard publications of the latest editions enforced, and supplements thereto shall form a part of these specifications. All electrical work must, as a minimum, be in accordance with these standards.

1.5.1 2022 California Electrical Code (CEC), Part 3 Title 24 CCR.

DEFINITIONS

1.6 Concealed: Hidden from sight, as in trenches, chases, hollow construction, or above furred spaces, hung ceilings - acoustical or plastic type, or exposed to view only in tunnels, attics, shafts, crawl spaces, unfinished spaces, or other areas solely for maintenance and repair.

1.7 Exposed, Non-Concealed, Unfinished Space: A room or space that is ordinarily accessible only to building maintenance personnel, a room noted on the 'finish schedule' with exposed and unpainted construction for walls, floors, or ceilings or specifically mentioned as 'unfinished'.

1.8 Finish Space: Any space ordinarily visible, including exterior areas.

WORK AND MATERIALS

1.9 Unless otherwise specified, all materials must be new and of the best quality. Materials previously incorporated into other projects, salvaged, or refurbished are not considered new. Perform all labor in a thorough and workmanlike manner.

1.10 All materials provided under the contract must bear the UL label where normally available. Note that this requirement may be repeated under equipment specifications. In general such devices as will void the label should be provided in separate enclosures and wired to the labeled unit in proper manner.

GUARANTEE

1.11 Guarantee all material, equipment and workmanship for all sections under this Division in writing to be free from defect of material and workmanship for one year from date of final acceptance, as outlined in the general conditions. Replace without charge any material or equipment proven defective during this period. The guarantee shall include performance of equipment under all site conditions, conditions of load, installing any additional items of control and/or protective devices, as required.

EQUIPMENT ROUGH-IN

1.12 Rough-in all equipment, fixtures, etc. as designed on the drawings and as specified herein. The drawings indicate only the approximate location of rough-ins. Mounting heights of all switches, receptacles, wall mounted fixtures and such equipment must be coordinated with the Architectural Designs. The Contractor shall obtain all rough-in information before progressing with any work for rough-in connections. Minor changes in the contract drawings shall be anticipated and provided for under this Division of the specifications to comply with rough-in requirements.

OWNER FURNISHED AND OTHER EQUIPMENT

1.13 Rough-in and make final connections to all Owner furnished equipment shown on the drawings and specified, and all equipment furnished under other sections of the specifications.

EQUIPMENT FINAL CONNECTIONS

1.14 Provide all final connections for the following:

1.14.1 All equipment furnished under this Division.

1.14.2 Electrical equipment furnished under other sections of the specification.

1.14.3 Owner furnished equipment as specified under this Division.

INSERTS, ANCHORS, AND MOUNTING SLEEVES

1.15 Inserts and anchors must be:

1.15.1 Furnished and installed for support of work under this Division.

1.15.2 Mounting of equipment that is of such size as to be free standing and that equipment which cannot conveniently be located on walls, such as motor starters, etc., shall be rigidly supported on a framework of galvanized steel angle of Unistrut or B-line systems with all unfinished edges painted.

SEISMIC ANCHORING

1.16 All switchgear and other free-standing electrical equipment or enclosures shall be anchored to the floor and braced at the top of the equipment to the structure. The Contractor shall submit drawings signed by the Contractors registered structural Engineer indicating method of compliance prior installation.

GENERAL WIRING

1.17 Where located adjacent in walls, outlet boxes shall not be placed back to back, nor shall extension rings be used in place of double boxes, all to limit sound transmission between rooms. Provide short horizontal nipple between adjacent outlet boxes, which shall have depth sufficient to maintain wall coverage in rear by masonry wall.

1.18 In those instances where outlet boxes, recessed terminal boxes, or recessed equipment enclosures are installed in a fire rated assembly, provide "Flamesafe FSD 1077" fire stopping pads or approved equal, over the outlet or box.

1.19 Complete rough-in requirements of all equipment to be wired under the contract are not indicated. Coordinate with respective trades furnishing equipment or with the Architect as the case may be for complete and accurate requirements to result in a neat, workmanlike installation.

SEPARATE CONDUIT SYSTEMS

1.20 Each electrical and signal system shall be contained in a separate conduit system as shown on the drawings and as specified herein. This includes each power system, each lighting system, each signal system of whatever nature, telephone, standby system, sound system, control system, fire alarm system, etc.

1.21 Further, each item of building equipment must have its own run of power wiring. Control wiring may be included in properly sized conduit for equipment feeders of #6 AWG and smaller, having separate conduit for larger sizes.

GENERAL DEMOLITION REQUIREMENTS

1.22 Remove existing work and items which are required to be removed in such manner that minimum damage and disturbance is caused to adjacent and connection work scheduled to remain. Repair or replace existing work schedule.

1.23 Include preparation of existing areas to receive new materials and removal of materials and equipment to alter or repair the existing building as indicated and as specified.

1.24 Perform demolition exercising proper care to prevent injury to the public, workmen and adjoining property.

1.25 Perform the removal, cutting, drilling of existing work with extreme care and use small tools in order not to jeopardize the structural integrity of the building.

1.26 Rebuild to existing condition or better, existing work which has to be removed to allow the installation of new work as required.

1.27 Remove, protect and reinstall existing items as indicated. Replace materials scheduled for reuse which are damaged by the Contractor to the extent that they cannot be reused, with equal quality material, and installation.

1.28 Do not reuse in this project materials and items removed from existing site or building, except with specific written approval by the Architect in each case, unless such removed material or item is specifically indicated or specified to be reused.

1.29 Remove materials and equipment indicated to be salvaged for reinstallation and store to prevent damage and reinstall as the work progresses. Do not reuse in this project, other materials and equipment removed from existing site or building, except with specific written approval by the Architect in each case.

1.30 Patch areas requiring patching, including damage caused by removing, relocating or adding fixtures and equipment, damages caused by demolition at adjacent materials.

1.31 Do not stockpile debris in the existing building, without the approval of the Architect. Remove debris as it accumulates from removal operations to a legal disposal area.

END OF SECTION

SECTION 26 05 19

POWER CONDUCTORS

PART 1 – GENERAL

1.1 Furnish and install wire and cable for branch circuits and feeders specified herein and as shown on the electrical drawings.

1.2 Submittals: Submit manufacturers' data for the following items:

1.2.1 All cables and terminations

1.3 Common submittal mistakes which will result in the submittals being rejected:

1.3.1 Not including all items listed in the above itemized description.

1.3.2 Including catalog cut sheets which have several items or a page, and not clearly identifying by highlighting, underlining, or clouding the items to be reviewed, or crossing out the items which are not applicable.

1.3.3 Not including actual manufacturer's catalog information of proposed products.

1.3.4 Do not include multiple manufacturers for similar products and do not indicate "or approved equal" statements, or "to be determined later" statements. The products being submitted must be the products installed

PART 2 – PRODUCTS

2.1 Wire and cable Rated 120 volt to 600 volt.

2.1.1 All wire and cable shall be new, 600 volt insulated copper, of types specified below for each application. All wire and cable shall bear the UL label and shall be brought to the job in unbroken packages. Wire insulation shall be the color as specified herein and shall be type THWN-2. Insulated conductors shall be installed in all exterior exposed raceways. Conductors for branch circuit lighting, receptacle, power and miscellaneous systems shall be a minimum of No. 12 AWG. Increase conductor size to No. 10 AWG for 120 volt circuits greater than 100 feet from the panel to the load and for 277 volt circuits greater than 200 feet from the panel to the load. Circuit home-runs indicated to be larger than No. 12 must be increased the entire length of the circuit, including equipment grounding conductor. Wire sizes No. 14 through No. 10 shall be solid. No. 8 and larger shall be stranded.

2.1.2 Aluminum conductors will not be permitted

2.1.3 MC type armored cable will not be permitted

2.2 Wire and cable for systems below120 volts.

2.2.1 All low voltage and communications systems cables routed underground shall be provided with a moisture resistant outer jacket, West Penn "Aquaseal" or equal, unless otherwise specified.

PART 3 - EXECUTION

3.1 Wire and cable shall be pulled into conduits without strain using powdered soapstone, mineraiac, or other approved lubricant. In no case shall wire be repulled if same has been pulled out of a conduit run for any purpose. No conductor shall be pulled into conduit until conduit system is complete, including junction boxes, pull boxes, etc.

3.2 All connections of wires shall be made as noted below:

3.2.1 Connections to outlets and switches: Wire formed around binding post of screw.

3.2.2 No. 10 wire and smaller: Circuit wiring connections to lighting fixtures and other hard wired equipment shall be made with pressure type solderless connectors, Buchanan, Scotchlock, Wing Nut, or approved equal. Alternate "WAGO" #773 series or "IDEAL" #32, 33, 34 and 39 series push wire style connectors are also acceptable.

3.3 All wiring shall be continuous without splicing unless where specifically noted on the drawings or where permitted below.

3.3.1 No. 10 wire and smaller above grade: Quantities as needed, connection made with pressure type solderless connectors, Scotchlock or equal.

3.3.2 No. 10 wire and smaller below grade: Quantities as needed, connection made with 'Raychem' long barrel compression terminals with crimping tool and quantity of crimps as recommended by manufacturer, provide 'Raychem' WCSM-S series in-line heat shrink, sealant coated splice kit. Alternate products must be UL listed for direct burial/submersible and rated to (1000V).

3.3.3 No. 8 wire and larger above grade: Quantities only where indicated, 'Raychem' long barrel compression terminals with crimping tool and quantity of crimps as recommended by manufacturer, provide 'Raychem' WCSM-S series in-line heat shrink, sealant coated splice kit. Alternate products must be UL listed for direct burial/submersible and rated to (1000V).

3.3.4 No. 8 wire and larger below grade: Quantities only where indicated, 'Raychem' long barrel compression terminals with crimping tool and quantity of crimps as recommended by manufacturer, provide 'Raychem' WCSM-S series in-line heat shrink, sealant coated splice kit. Alternate products must be UL listed for direct burial/submersible and rated to (1000V).

3.4 All wiring throughout shall be color coded as follows:

	480 volt system	208 or 240 volt system
A Phase	Brown	Black
B Phase	Orange	Red
C Phase	Yellow	Blue
Neutral	Grey	White
Ground	Green	Green

3.5 Wiring must be color coded throughout its entire length, except feeders may have color coded plastic tape at both ends and any other accessible point.

3.6 All control wiring in a circuit shall be color coded, each phase leg having a separate color, and with all segments of the control circuit, whether in apparatus or conduit, utilizing the same color coding.

3.7 At all terminations of control wiring, the wiring shall have a numbered T&B or Brady plastic wire marker.

3.8 Cables when installed are to be properly trained in junction boxes, etc., and in such a manner as to prevent any forces on the cable which might damage the cable.

3.9 All conductors to be installed into a common raceway, shall be pulled into the raceway at the same time.

3.10 All conductors shall be installed in such a manner as to not exceed the manufacturers' recommended pulling tension and bending radius. The equipment used for pulling must be specifically designed for the purpose. Motorized vehicles such as pickup trucks, are not acceptable.

END OF SECTION

SECTION 26 05 26

GROUNDING

PART 1 – GENERAL

1.1 Furnish and install grounding and grounding conductors and electrodes as specified herein and as shown on the drawings.

PART 2 – EXECUTION

2.1 Grounding

2.1.1 All panelboard cabinets, equipment, enclosures, and complete conduit system shall be grounded securely in accordance with pertinent sections of CEC Article 250. Conductors shall be copper. All electrically operated equipment shall be bonded to the grounded conduit system. All non-current carrying conductive surfaces that are likely to become energized and subject to personal contact shall be grounded by one or more of the methods detailed in CEC Article 250. All ground connections shall have clean contact surfaces. Install all grounding conductors in conduit and make connections readily accessible for inspection.

2.1.2 Provide an insulated equipment grounding conductor in all branch circuit and feeder raceway systems, sized in accordance with CEC 250-122.

2.1.3 Provide an additional individual insulated grounding conductor for each circuit which contains an isolated ground receptacle or surge suppression receptacle.

2.1.4 Grounding of metal raceways shall be assured by means of provisions of grounding bushings on feeder conduit terminations at the panelboard, and by means of insulated continuous stranded copper grounding wire extended from the ground bus in the panelboard to the conduit grounding bushings.

END OF SECTION

SECTION 26 05 33

CONDUIT AND FITTINGS

PART 1 – GENERAL

1.1 Furnish and install conduit and fittings as shown on the drawings and as specified herein.

1.2 Submit Manufacturer's data on the following:

1.2.1 Conduit.

1.2.2 Fittings

1.3 Common submittal mistakes which will result in the submittals being rejected:

1.3.1 Not including all items listed in the above itemized description.

1.3.2 Including catalog cut sheets which have several items or a page, and not clearly identifying by highlighting, underlining or clouding the items to be reviewed, or crossing out the items which are not applicable.

1.3.3 Not including actual manufacturer's catalog information of proposed products.

1.3.4 Do not include multiple manufacturers for similar products and do not indicate "or approved equal" statements, or "to be determined later" statements. The products being submitted must be the products installed.

PART 2 – PRODUCTS

2.1 Rigid steel conduit, intermediate metal conduit (IMC), electrical metallic tubing (EMT) and flexible metallic conduit shall be steel, hot dipped galvanized after fabrication.

2.2 PVC conduit shall be Carlon or approved equal.

2.3 Liquid tight flexible metal conduit shall be Anaconda Sealtite type UA or approved equal. Fittings shall be Appleton, Crouse-Hinds, Steel City, T&B, or equivalent.

2.4 MC type armored cable, shall not be permitted.

2.5 Fire stopping material shall provide an effective seal against fire, heat, smoke and fire gases. Fire stopping material shall be tested to comply with ASTME 814 and UL 1479. The submittal for this product shall include the UL listed system number and installation requirements for each type of penetration seal required for this project.

PART 3 – FITTINGS

3.1 All metallic fittings, including those for EMT, flexible conduit, or malleable iron. Die cast fittings of any other material are not permitted.

3.2 Locknuts shall be steel or malleable iron with sharp clean cut threads.

3.3 Entrance seals shall be O.Z. type FSK or equivalent.

3.4 Bushings and locknuts: Where conduits enter boxes, panels, cabinets, etc., they shall be rigidly clamped to the box by locknuts on the outside, and a lock nut and plastic bushing on the inside of the box. All conduits shall enter the box squarely.

3.5 Furnish and install insulated bushings as per CEC article No. 300 - 4 (F) on all conduits. The use of insulated bushings does not exclude the use of double locknuts to fasten conduit to the box.

3.6 Transition from plastic to steel conduits shall be with PVC female threaded adaptors.

3.7 Couplings and connecors for rigid steel or IMC conduit must be threaded, or compression type (set screw fittings are not permitted).

3.8 Couplings and connectors for EMT shall be compression, watertight. Set screw connectors are not acceptable, except for systems below 120 volts.

PART 4 - EXECUTION

4.1 All branch circuits shall be installed concealed in walls or above ceilings or in concrete floor slabs. PVC conduits installed in concrete floor slabs shall transition to PVC coated rigid steel where conduits penetrate above finished grade or finished floor.

4.2 Conduit sizes for various numbers and sizes of wire shall be as required by the CEC, but not smaller tha 3/4" for power wiring and ¾" for communications and fire alarm systems unless otherwise noted. Conduit in slab or below grade shall be ¾" minimum trade size, unless otherwise identified.

4.3 Conduit size shall be such that the required number and sizes of wires can be easily pulled in and the Contractor shall be responsible for the selection of the conduit sizes to facilitate the ease of pulling. Conduit sizes shown on the drawings are minimum sizes in accordance with appropriate tables in the CEC. If because of bends or elbows a larger conduit size is required, the Contractor shall so furnish without further cost to the Owner.

4.4 The Contractor shall be entirely responsible for the proper protection of this work from the other trades on the job. When conduit becomes bent or holes are punched through same, or outlets moved after being roughed-in, the Contractor shall replace same, without additional cost to the Owner.

4.5 Rigid steel conduit or IMC shall be used as follows:

4.5.1 Exposed exterior locations.

4.5.2 Exposed interior locations below eight feet above floor, except in electrical rooms and closets.

4.5.3 In hazardous or classified areas as required by CEC.

4.6 EMT conduit shall be used for areas as follows:

4.6.1 All interior communications, signal, and data networking systems.

4.6.2 All interior power wiring systems where not required to be in rigid steel, IMC or flexible conduit.

4.7 Flexible conduit shall be used for areas as follows:

4.7.1 To connect motors, transformers, and other equipment subjected to vibration or where specifically detailed on the drawings.

4.7.2 Flexible conduit shall not be used to replace EMT in other locations where the conduit will be exposed.

4.7.3 Liquid tight flexible conduit shall be used in conformance with CEC in lengths not to exceed 4'. The conduit shall contain separate code sized grounding conductor. Use liquid tight flexible conduit for all equipment connections exposed in possible wet, corrosive or oil contaminated areas, e.g., shops and outside areas.

4.8 Conduits above lay-in grid type ceilings shall be installed in such a manner that they do not interfere with the "lift-out" feature of the ceiling system.

4.9 Provide all necessary sleeves and chases required where conduits pass through floors or walls as part of the work of this section. Core drilling will only be permitted where approved by the Architect.

4.10 Supports: Conduit shall be supported at intervals as required by the California Electrical Code. Where conduits are run individually, they shall be supported by approved conduit straps or beam clamps.

4.11 Openings through fire rated floors/walls and/or smoke walls through which conduits pass shall be sealed by Fire stopping material to comply with Division 1 to seal off flame, heat, smoke and fire gases. Sleeves shall be provided for power or communication system cables which are not installed in conduits, and shall be sealed inside and out to comply with manufacturers UL system design details. All Fire stopping material shall have an hourly fire-rating equal to or higher than the fire rating of the floor or wall through which the conduit, cables, or cable trays pass.

4.12 Provide cap or other sealing type fitting on all spare conduits. Conduits stubbed into buildings from underground where cable only extends to equipment, the conduit/cable end shall be sealed to prevent moisture from entering the room or space.

END OF SECTION

SECTION 26 05 34

OUTLET AND JUNCTION BOXES

PART 1 – GENERAL

1.1 Furnish and install electrical wiring boxes as specified and as shown on the electrical drawings.

PART 2 – PRODUCTS

2.1 Boxes shall be as manufactured by Steel City, Appleton, Raco, or approved equal.

2.2 All boxes must conform to the provisions of Article 370 of the CEC. All boxes shall be of the proper size to accommodate the quantity of conductors enclosed in the box. Minimum box size shall be 4" square x 1-½" deep.

2.3 Boxes generally shall be hot dipped galvanized steel with knockouts. Boxes on exterior surfaces or in damp locations shall be corrosion resistant, cast feraloy and shall have threaded hubs for rigid conduit and neoprene gaskets for their covers. Boxes shall be Appleton Type FS, Crouse-Hinds, or the approved equal. Conduit bodies shall be ccrrosion resistant, cast malleable iron. Conduit bodies shall have threaded hubs for rigid ccnduit and neoprene gaskets for their covers. Conduit bodies shall be Appleton Unilets, Crouse-Hinds, or the approved equal. Where recessed, boxes shall have square cut ccrners.

2.4 All light, switch, receptacle, fire alarm devices and similar outlets shall be provided with approved boxes, suitable for their function. Back boxes shall be furnished and installed as required for the equipment and/or systems under this contract.

2.5 Pull and junction boxes shall be code gauge boxes with screw covers. Boxes shall be rigid under torsional and deflecting forces and shall be provided with angle from framing where required. Boxes shall be 4" square with a blank cover in unfinished areas and with a plaster ring and blank cover in finished areas. Covers for flush mounted oversize boxes shall extend ¾" past boxes all around. Covers for 4" square boxes shall extend ¼" past box all around.

2.6 Recessed boxes installed in fire rated floors/walls and /or smoke walls shall be sealed by Fire stopping material to comply with Division 1 to seal off flame, heat, smoke and fire gases. The Contractor shall submit copies of the manufacturers UL system design details proposed for use on this project. All Fire stopping material shall have an hourly fire-rating equal to or higher than the fire rating of the floor or wall through which the ccnduit, cables, or cable trays pass.

PART 3 – EXECUTION

3.1 Boxes shall be installed where required to pull cable or wire, but in finished areas only by approval of the Architect. Boxes shall be rigidly attached to the structure, independent of any conduit support. Boxes shall have their covers accessible. Covers shall be fastened to boxes with machine screws to ensure continuous contact all around. Covers for surface mounted boxes shall line up evenly with the edges of the boxes.

3.2 Outlets are only approximately located on the plans and great care must be used in the actual location of the outlets by consulting the various detailed drawings and specifications. Outlets shall be flush with finished wall or ceiling, boxes installed symmetrically on such trim or fixture. Refer to drawings for location and orientation of all outlet boxes.

3.3 Furnish and install all plaster rings as may be required. Plaster rings shall be installed on all boxes where the boxes are recessed. Plaster rings shall be of a depth to reach the finished surface. Where required, extension rings shall be installed so that the plaster ring is flush with the finished surface.

END OF SECTION

SECTION 26 27 26

SWITCHES AND RECEPTACLES

PART 1 – GENERAL

1.1 Furnish and install all wiring devices as shown on drawings and as herein specified. Unless otherwise noted, device and plate numbers shown are Hubbell and shall be considered the minimum standard acceptable. Other acceptable manufacturers are Pass and Seymour, Leviton, General Electric and Bryant.

1.2 Submit manufacturers' data on all items.

1.3 **Common submittal mistakes which will result in the submittals being rejected:**

1.3.1 Not correctly indicating ampacity rating of proposed devices.

1.3.2 Not including all items listed in the above itemized description.

1.3.3 Including catalog cut sheets which have several items on a page, and not clearly identifying by highlighting, underlining or clouding the items to be reviewed, or crossing out the items which are not applicable.

1.3.4 Not including actual manufacturer's catalog information of proposed products.

1.3.5 Do not include multiple manufacturers for similar products and do not indicate "or approved equal" statements or "to be determined later" statements. The products being submitted must be the products installed.

PART 2 – PRODUCTS

2.1 All switches shall be of the quiet mechanical type, Specification Grade, 20 amp, 120/277 volt AC as follows:

	HUBBELL	LEVITON	PASS & SEYMOUR
Single Pole	CS120	CS1202	CS20AC1
Two Pole	CS1222	CS2202	CSB20AC2
Three-way	CS320	CS3202	CS20AC3
Key Switch	HBL1221L	1221-2L	PS20AC1-L

2.2 All switches shall have the "on" and the "off" position indicated on the handle. If switches of higher ampere ratings are required, they shall be of similar type and quality as those shown above. Groups of switches shown at one location shall be installed under a single plate up to a maximum of six where more than six switches are shown coordinate arrangement with the Architect.

2.3 All convenience receptacles and special outlets throughout shall be grounding type. Convenience receptacles shall be side wired, parallel slot, two pole, three wire, 20 amp as follows:

	HUBBELL	LEVITON	PASS & SEYMOUR
Duplex	5352	5362	PS5362
GFCI	GFR5362	7899	2097
Isolated Ground	IG5362	5362IG	IG6300
Tamper Proof	------	8300SG	TR63H
USB	------	T5832	------ min. 3.6 amp charging capability
Controlled Type	BR20C2GN	5362-S2N	5362CDGN

2.4 All safety or tamper proof receptacles shall have no exposed external current carrying metal parts, and shall have integral wiring leads suitable for two or three wire installations. All Controlled Receptacles shall be solid color 'Green' marked "Controlled" and with Universal Power Symbol.

2.5 Weatherproof plates shall be designed to meet CEC Article 410-57, wet location listed with cover "open." Where weatherproof receptacles have been identified to be provided with locking covers, the cover shall be as manufactured by Pass & Seymour #4600-8 or Cole Lighting 310 Series. Rough-in requirements vary between manufacturers. Contractor to field verify requirements prior to installation.

2.6 All plates throughout shall be stainless steel. Where wiring devices are installed in concrete block walls, provide oversized 3-1/2" x 5" coverplates.

2.7 All devices shall be white unless otherwise noted or a special purpose outlet.

PART 3– EXECUTION

3.1 All receptacles and line voltage switches shall be labeled on faceplate utilizing white Dymo-Tape with black lettering. Labeling format shall be 'XX-YY'. XX represents panel name and YY represents circuit number. Labels shall be placed below the top faceplate fastener and above the top edge of faceplate opening. In no circumstance shall they overlap the fastener or the receptacle.

3.2 Switches for room lighting shall be located no more than 12" center line from door jamb at plus 48" center line above finished floor or +46" to top of devices where located over casework, reference CBC Figure 11B-5D.

3.3 All receptacles shall be mounted at plus 18" to center line above finished floor unless noted or shown otherwise. All receptacles shall be installed with the ground pin up, at the top of the receptacle to comply with IEEE 602-1986.

3.4 Furnish and install wall plates for all wiring devices, and outlet boxes, including special outlets, sound, communication, signal, and telephone outlets, etc. as required. All cover plates shall be appropriate for type of device.

END OF SECTION

SECTION 26 28 16

DISCONNECTS

PART 1 – GENERAL

1.1 Furnish and install all disconnect switches as shown on the drawings and as required by the CEC.

1.2 Submit manufacturers' data for all disconnects and fuses.

1.2.1 Disconnects

1.2.2 Fuses

1.3 **Common submittal mistakes which will result in the submittals being rejected:**

1.3.1 Not including all items listed in the above itemized description.

1.3.2 Including catalog cut sheets which have several items on a page, and not clearly identifying by highlighting, underlining or clouding the items to be reviewed, or crossing out the items which are not applicable.

1.3.3 Not including actual manufacturer's catalog information of proposed products.

1.3.4 Do not include multiple manufacturers for similar products and do not indicate "or approved equal" statements, or "to be determined later" statements. The products being submitted must be the products installed.

PART 2 – PRODUCTS

2.1 Acceptable manufacturers shall be Square D, Cutler Hammer, Siemens or General Electric.

2.2 Equipment manufactured by any other manufacturers not specifically listed in Section 2.1 are not considered equal, or approved for use on this project.

2.3 All switches shall be heavy-duty type, externally operated, quick-make, quick-break, rated 600 volts or 240 volts as required, with the number of poles and ampacity as noted. All switches for motors shall be HP rated. Switches shall have NEMA-Type 1 enclosures, except switches located where exposed to outdoor conditions shall have NEMA Type 3R enclosure. Switches generally shall be fused except where noted to be non-fused on the drawings.

2.4 Where fuses are indicated, fuses shall be Bussman or Littlefuse (no known equal). Fuses shall be current limiting type with time delay characteristics to suit the equipment served.

PART 3 – EXECUTION

3.1 Mount all switches to structure or U-channel support. U-channel supports shall be cleaned and painted to prevent rust.

3.2 Switches shall be accessible with proper clearances in front per CEC 110-16.

3.3 All lugs shall be torque tested in the presence of the inspector of record.

3.4 Arc Flash and Shock Hazard

3.4.1 The contractor is to provide, and submit to the engineer for approval, incident energy level calculations as determined using the methodologies described in NFPA 70E or IEEE standard 1584-2002.

3.4.2 A warning label, as specified in the above standard, shall be placed on each switchboard, panelboard, and safety switch indicating the incident energy levels on the equipment to warn qualified personnel in accordance with NFPA 70E, section 110.16 Labels shall be laminated white micarta with black lettering on each. Letters shall be no less than 3/8" high.

3.4.3 The incident level calculations for each piece of equipment shall be given to the owner and maintained on file by the maintenance department.

3.4.4 The design goal is to minimize the incident energy to which a maintenance employee may be exposed and in no case more than 8 cal./cm².

END OF SECTION

SECTION 26 90 90

ELECTRICAL CLOSEOUT

PART 1 – GENERAL

1.1 Upon completion of the electrical work, the entire installation shall be tested by the Contractor, and demonstrated to be operating satisfactorily to the Architect, Engineer, Inspector and Owner.

1.2 All testing and corrections shall be made prior to demonstration of operation to the Architect, Engineer, Inspector and Owner.

1.3 In addition to the demonstration of operation, the Contractor is also required to review the content and quality of instructions provided on items demonstrated with the Architect, Engineer, Inspector and Owner.

PART 2 – EXECUTION

2.1 Wiring shall be tested for continuity, short circuits and/or accidental grounds. All systems shall be entirely free from "grounds," "short circuits," and any or all defects.

2.2 Motors shall be operating in proper rotations, and control devices functioning properly. Check all motor controllers to determine that properly sized overload devices are installed, and all other electrical equipment for proper operation.

2.3 Tests and adjustments shall be made prior to acceptance of the electrical installation by the Architect, and a certificate of inspection and acceptance of the electrical installation by local inspection authorities shall be provided.

2.4 All equipment or wiring provided which tests prove to be defective or operating improperly shall be corrected or replaced promptly, at no additional cost to the Owner.

2.5 Test all motor and feeder circuits with a "megger" tester to determine that insulation values conform to Section 110-20, California Electrical Code (CEC). Test reports must be submitted and approved by the engineer before final acceptance.

2.6 Test all grounding electrode connections to assure a resistance of no more than 10 ohms is achieved. Augment grounding until the ohmic value stated above is achieved. Provide certified test results to the Architect, Engineer and Inspector.

END OF SECTION

APPROVED
DIV. OF THE STATE ARCHITECT
APP: 04-120409 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 08/31/2023

Lord Architecture Inc.
11650 Iberia Place, Suite 210
San Diego, CA 92128-2455
858-485-6980, 858-485-1510 fax

SAN PASQUAL VALLEY UNIFIED SCHOOL DISTRICT
SPVHS ATHLETIC FIELDS BLEACHER & RESTROOM REPLACEMENT
676 Baseline Rd, Winterhaven, CA 92283

LICENSED ARCHITECT
KATHERINE I. LORD
No. C 14478
EXP. 02/25
STATE OF CALIFORNIA

Issue Schedule

No.	Description	Date
	DSA	9/8/21
	DSA V2	11/3/21
	DSA V3	11/30/21
1	REVISION 01	04/26/23

Sheet Title: ELECTRICAL SPECIFICATIONS

Project Architect: KATHERINE LORD

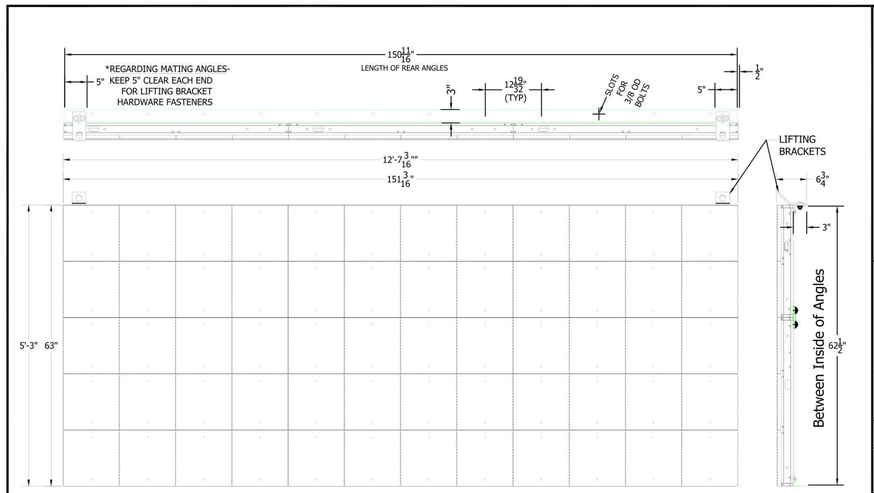
Project Number: 1706-103

Sheet Number: E2.1

REGISTERED PROFESSIONAL ENGINEER
CHRISTOPHER J. JOHNSON
No. E 14781
Exp. 6-30-2025
ELECTRICAL
STATE OF CALIFORNIA

#23005 7/18/2023

JOHNSON CONSULTING ENGINEERS, INC.
Power | Lighting | Multimedia
Communications | Data Networking
12875 Brookprinter Place, Suite 300
Poway, CA 92064
P 858.679.4030 | F 858.513.0559
www.jce-inc.com



MODULAR ATLAS
10.66mm 150 x 360 RGB SINGLE SIDED
PARENT DISPLAY ASSEMBLY
FRONT VIEW

Approx Wt.:
750 lbs (Per Side)

NOTE:
CONTROL ENCLOSURE
MOUNTS SEPARATELY
SPEC SHOWN ON SHEET#3

GENERAL NOTES
1. EXTERIOR OF DISPLAY FINISHED MATTE BLACK.
2. ANY FEATURES NOT DIMENSIONED ARE NOT CRITICAL TO DESIGN OF SECONDARY STRUCTURES.
3. LOCATION OF CONDUIT FITTINGS, VENTILATION INTAKES, VENTILATION EXHAUSTS AND PICK POINTS SUBJECT TO CHANGE DUE TO DETAILED DESIGN CONSIDERATIONS AND CUSTOMER REQUEST.
4. THE MOUNTING ANGLES ON REAR OF DISPLAY ARE THE SOLE LOAD BEARING COMPONENT OF THE DISPLAY. DO NOT USE PICK POINTS OR ANY OTHER AREAS OF THE DISPLAY FOR SUPPORTING THE COMPLETED DISPLAY.
5. ALL INSTALLATIONS, SUPERSTRUCTURES DESIGNS AND CONNECTIONS MUST BE DESIGNED/APPROVED BY A QUALIFIED ENGINEER.
6. DISPLAY IS REAR VENTILATED. TO MAINTAIN WARRANTY COVERAGE, AIR MUST BE ALLOWED TO FLOW UNOBSTRUCTED FROM ALL AIR VENTS. **MAINTAIN A MINIMUM OF 3" BETWEEN REAR OF DISPLAY AND WALLS**
7. AIR DUCTS OR UNOBSTRUCTED SPACES THAT ALLOW AIR TO FLOW BEHIND THE DISPLAY MUST BE INCORPORATED IN THE DESIGN, INCLUDING BUT NOT LIMITED TO SPACES AROUND PERIMITER OF DISPLAY FACE OR CHANNELS THROUGH THE MOUNTING STRUCTURE. RECOMMENDED MINIMUM OF 2 INCHES VENTILATION CLEARANCE AROUND ALL EDGES OF DISPLAY IF BEING MOUNTED ABOVE/BELOW OTHER SIGNAGE OR STRUCTURES. PANELS USED TO COVER SIDES AND BACK SHOULD BE PERFORATED TO ALLOW UNRESTRICTED AIRFLOW
8. TO MAINTAIN INGRESS PROTECTION RATING (IP RATING) THE DISPLAY CABINET IS NOT TO BE MODIFIED IN ANY MANNER, INCLUDING DRILLING HOLES OR SECURING OTHER MATERIALS DIRECTLY TO THE DISPLAY CABINET.
9. UNSECURED DISPLAYS ARE NOT STABLE. ALWAYS SECURE BOTH CRATED AND NON-CRATED DISPLAYS TO PREVENT ACCIDENTAL TIPPING BY WIND OR OTHER FORCES. NEVER OPEN ANY SERVICE PANEL OF A DISPLAY UNLESS THE DISPLAY IS SECURED FROM TIPPING.
10. DESIGN AND DIMENSIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE.
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES
TOLERANCES: ¼"

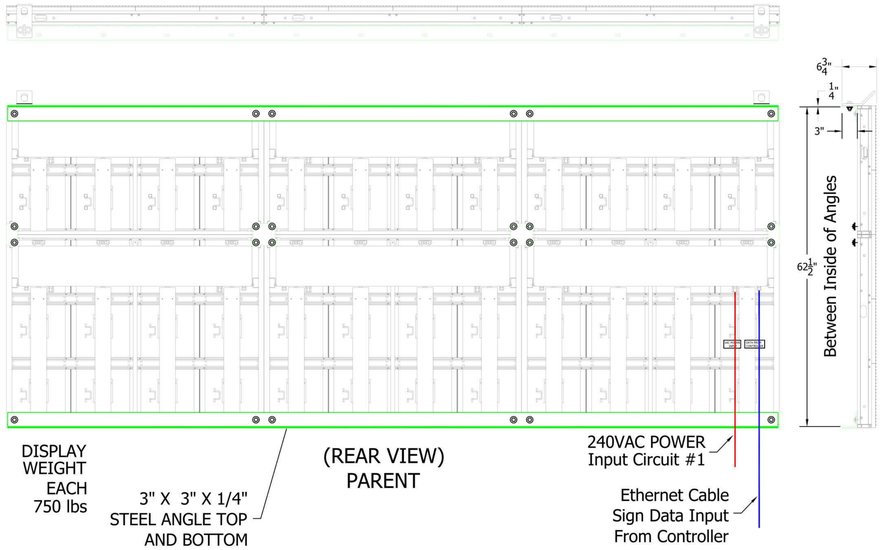
REV	DATE	INIT.	DESCRIPTION
A	1-31-23	PD	TECHNICAL DRAWING REQUEST
			Job# _____ CDI# 1646073
			Quote# 34803
			San Pasqual High School
			Escondido, CA - South 92025-7699

Stewart Signs
2201 CANTU COURT, SUITE215, SARASOTA, FL 34232
PH: 1-800-237-3928 FAX 1-800-485-4280

DRAWN BY: PD DATE: 1-31-23
ENGR BY: Road Laundromat DATE: 1-31-23
APPR. BY: PD DATE: 1-31-23

TITLE: ATLAS MODULAR DISPLAY
DIMENSIONS FOR INSTALLATION
10.66mm 150 x360 - COLOR

DRAWING # San Pasqual High School REV A
SHEET 1 OF 3 SCALE: NONE



Single Sided Sign Requires
Qty.1 - 20Amp 240VAC Circuit Required - Displays Combined 2.6kW

ATLAS DISPLAY		
Parent Assembly	10.8FLA	Circuit #1 20Amp 240VAC

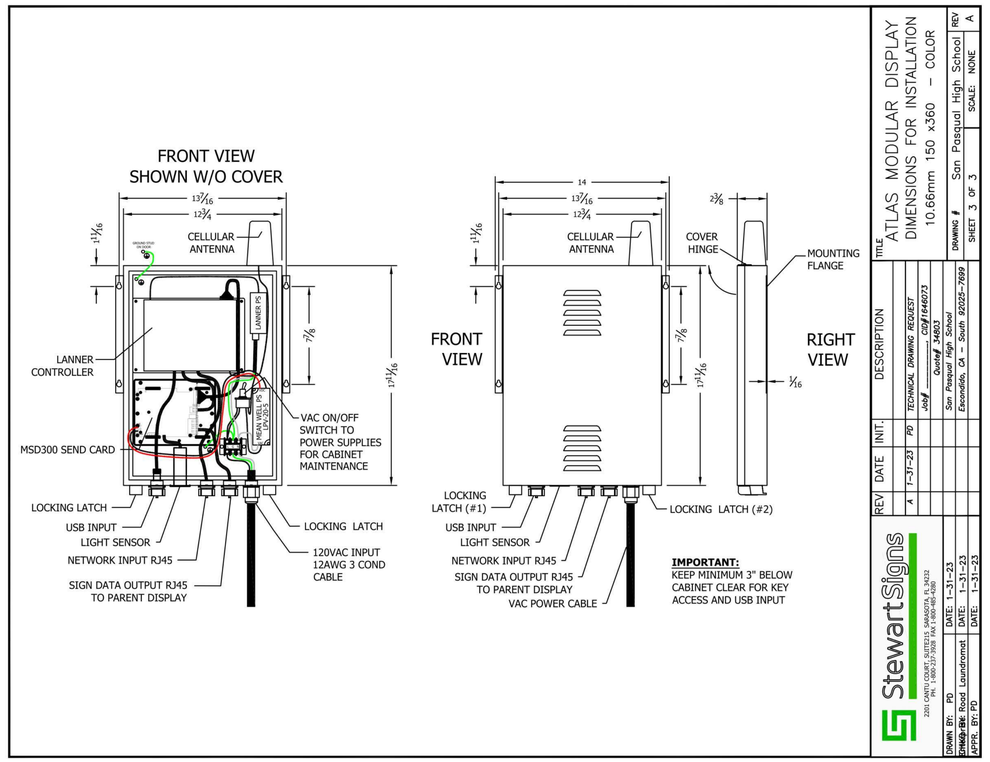
REV	DATE	INIT.	DESCRIPTION
A	1-31-23	PD	TECHNICAL DRAWING REQUEST
			Job# _____ CDI# 1646073
			Quote# 34803
			San Pasqual High School
			Escondido, CA - South 92025-7699

Stewart Signs
2201 CANTU COURT, SUITE215, SARASOTA, FL 34232
PH: 1-800-237-3928 FAX 1-800-485-4280

DRAWN BY: PD DATE: 1-31-23
ENGR BY: Road Laundromat DATE: 1-31-23
APPR. BY: PD DATE: 1-31-23

TITLE: ATLAS MODULAR DISPLAY
DIMENSIONS FOR INSTALLATION
10.66mm 150 x360 - COLOR

DRAWING # San Pasqual High School REV A
SHEET 2 OF 3 SCALE: NONE



REV	DATE	INIT.	DESCRIPTION
A	1-31-23	PD	TECHNICAL DRAWING REQUEST
			Job# _____ CDI# 1646073
			Quote# 34803
			San Pasqual High School
			Escondido, CA - South 92025-7699

Stewart Signs
2201 CANTU COURT, SUITE215, SARASOTA, FL 34232
PH: 1-800-237-3928 FAX 1-800-485-4280

DRAWN BY: PD DATE: 1-31-23
ENGR BY: Road Laundromat DATE: 1-31-23
APPR. BY: PD DATE: 1-31-23

TITLE: ATLAS MODULAR DISPLAY
DIMENSIONS FOR INSTALLATION
10.66mm 150 x360 - COLOR

DRAWING # San Pasqual High School REV A
SHEET 3 OF 3 SCALE: NONE

APPROVED
DIV. OF THE STATE ARCHITECT
APP: 04-120409 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 08/31/2023

Lord Architecture Inc.
11650 Iberia Place, Suite 210
San Diego, CA 92128-2455
858-485-6980, 858-485-1510 fax

SAN PASQUAL VALLEY UNIFIED SCHOOL DISTRICT
SPVHS ATHLETIC FIELDS BLEACHER & RESTROOM REPLACEMENT
676 Baseline Rd, Winterhaven, CA 92283

SAN PASQUAL VALLEY
Unified School District

LICENSED ARCHITECT
KATHERINE T. LORD
No. C 14478
EXP. 02/25
STATE OF CALIFORNIA

Issue Schedule

No.	Description	Date
1	REVISION 01	06/26/23

Sheet Title: STEWART SIGNS - ATLAS MODULA DISPLAY

Project Number: 1706-103

Project Architect: KATHERINE LORD

Sheet Number: 1

SAN PASQUAL VALLEY USD
SAN PASQUAL VALLEY HS
WINTERHAVEN, CA

SHEET TITLE	SHEET NUMBER
COVER PAGE	B1
GENERAL NOTES	B2
FOOTING LAYOUT	B3
FOOTING LAYOUT	B3.1
UNDERSTRUCTURE LAYOUT	B4
ELEVATION VIEW	B4.1
SECTION VIEW	B5
SECTION VIEW	B6
SIGHT LINES	B7
SEATING LAYOUT	B8
EXIT DETAILS	B9
SEAT BRACKET LAYOUT	B10
ROOF CANOPY DETAILS	B11
PLANK DETAILS	B12
EXIT DETAILS	B13
EXIT DETAILS	B14
GRANDSTAND DETAILS	B15

#21268 - WINTERHAVEN, CA

REVISION #2 11/02/21

REVISION 1 - 9/2/21

GENERAL INFORMATION	
RISE:	8"
TREAD:	24"
ROWS:	8-6-12
LENGTH:	MITERED
SEAT COUNT:	410

DATE: 09/02/2021
JOB #21268
SAN PASQUAL VALLEY USD
SAN PASQUAL VALLEY HS
WINTERHAVEN, CALIFORNIA

REGISTERED PROFESSIONAL ENGINEER BRIAN T. DEAN S 6087 Exp. 08/30/23 STRUCTURAL STATE OF CALIFORNIA
Signed 11/30/21
PRINCIPAL

AWS CWF CERTIFIED WELDING FABRICATOR®

AISC CERTIFIED FABRICATOR

Southern® BLEACHER COMPANY
GRANDSTANDS ▪ BLEACHERS ▪ STADIUMS
PO Box One, Graham, Texas 76450
801 Fifth Street.
Phone: 940/549-0733 Fax: 940/549-1365

Established 1946

SHEET B1 OF B15

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 04-120409 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 12/17/2021

Lord Architecture Inc.
11650 Iberia Place, Suite 210
San Diego, CA 92128-2455
858-485-6980, 858-485-1510 fax

SAN PASQUAL VALLEY UNIFIED SCHOOL DISTRICT
SPVHS ATHLETIC FIELDS BLEACHER & RESTROOM REPLACEMENT
676 Baseline Rd, Winterhaven, CA 92283

SAN PASQUAL VALLEY
Unified School District

LICENSED ARCHITECT KATHERINE I. LORD No. C 14478 EXP. 02/23 STATE OF CALIFORNIA

Issue Schedule

No.	Description	Date
	DSA	9/8/21
	DSA V2	11/3/21
	DSA V3	11/30/21

Sheet Title: COVER PAGE
Project Architect: KATHERINE LORD
Project Number: 1706-103

Sheet Number: B1

GENERAL REQUIREMENTS:

1. CONFLICTS: NOTES AND DETAILS ON THE DRAWINGS TAKE PRECEDENCE OVER THE GENERAL NOTES AND TYPICAL DETAILS IN CASE OF CONFLICT.

2. CODES: ALL MATERIALS AND WORK SHALL CONFORM TO THE REQUIREMENTS OF THE CALIFORNIA CODE OF REGULATIONS, TITLE 24, PART 2, 2019 CALIFORNIA BUILDING CODE (CBC).

3. SIMILAR WORK: WHERE CONSTRUCTION DETAILS ARE NOT SHOWN OR NOTED FOR ANY PART OF THE WORK, SUCH DETAILS SHALL BE THE SAME AS FOR SIMILAR WORK SHOWN ON THE DRAWINGS.

4. EXCAVATIONS: OWNER TO LOCATE AND PROTECT UNDERGROUND OR CONCEALED CONDUIT, PLUMBING OR OTHER UTILITIES WHERE NEW WORK IS BEING PERFORMED.

DESIGN CRITERIA

1. DEAD LOADS:
   BLEACHERS (INCLUDES GIRDERS)......................... 10 PSF
   CANOPY... 10 PSF (UL-263 CLASS A)
2. LIVE LOADS:
   LIVE LOAD... 100 PSF
   SEATS... 120 PLF
   FOOTBOARDS.. 100 PSF
   SWAY (PERPENDICULAR)...................................... 10 PLF
   SWAY (PARALLEL).. 24 PLF
   GUARDRAILS AND HANDRAILS*............................ 50 PLF
   * OR A 200 POUND CONCENTRATED LOAD APPLIED TO RAIL AT ANY POINT IN ANY DIRECTION.

3. LATERAL LOADS:

A) SEISMIC - SHORT PERIOD
   SPECTRAL RESPONSE.. S_S = 0.504 g
   ONE - SECOND PERIOD
   SPECTRAL RESPONSE.. S_1 = 0.220 g
   SITE CLASSIFICATION.. D
   SITE COEFFICIENT.. F_a = 1.40
   SITE COEFFICIENT.. F_v = 2.16
   ADJUSTED SPECTRAL RESPONSE........................ S_{MS} = 0.706 g
   ADJUSTED SPECTRAL RESPONSE........................ S_{M1} = 0.475 g
   DESIGN SPECTRAL RESPONSE............................ S_{DS} = 0.470 g (2/3 Sms)
   DESIGN SPECTRAL RESPONSE............................ S_{D1} = 0.317 g (2/3 Sm1)
   RISK CATEGORY: III
   I = 1.25
   SEISMIC DESIGN CATEGORY.............................. D

LATERAL SYSTEMS:

BOTH DIRECTIONS: CH. 15 ALL OTHER SELF-SUPPORTING STRUCTURES
R = 1.25
Rho = 1
Cs = 0.47 (1.0E longitudinal)
V = pCsW = 0.47 (1.0E strength)

A) WIND:
1. ULTIMATE DESIGN WIND SPEED, V_{ult} = 105mph
2. RISK CATEGORY = III
3. WIND EXPOSURE = C
4. APPLICABLE INTERNAL PRESSURE COEFFICIENT (GCpi)=0.55

FOUNDATION:

1. GEOTECHNICAL INVESTIGATION: LANDMARK CONSULTANTS, INC.
   DATED: MAY 28, 2021
   REPORT DATA: LCI REPORT NUMBER LE21085

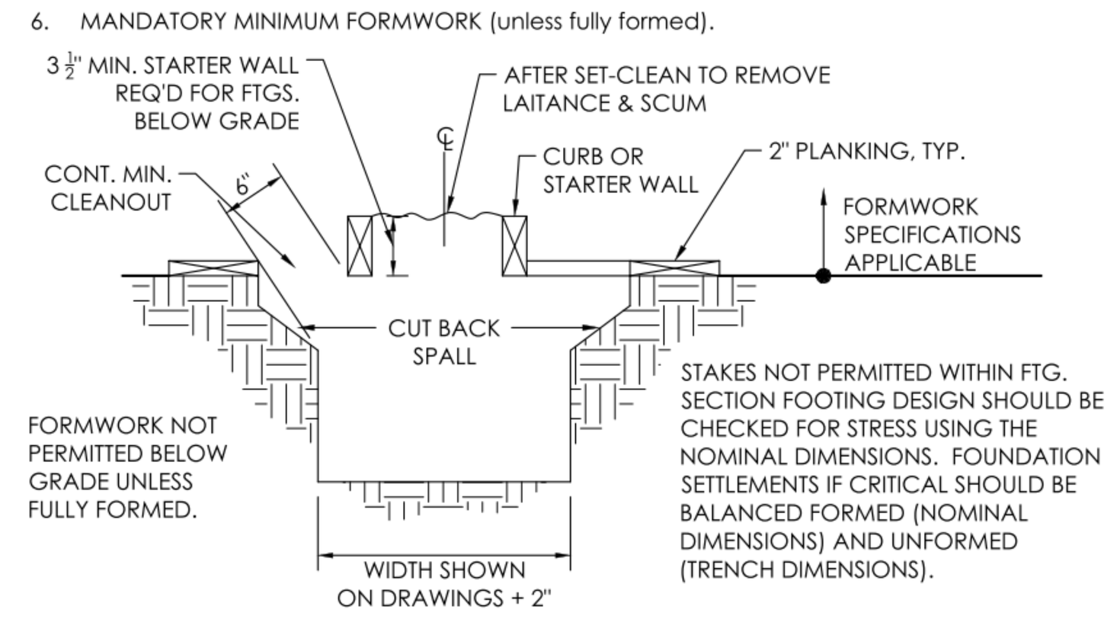
2. SOIL PRESSURES: FOR EXPANSIVE SOIL ENGINEERED BUILDING PAD
   SOIL BEARING.. 1,500 psf
   COEFFICIENT OF FRICTION.................................. 0.25
   PASSIVE PRESSURE.. 250 pcf

3. SOIL REMOVAL AND RECOMPACTION: PER GEOTECHNICAL INVESTIGATION AND THE CONTRACT DOCUMENTS. SOILS WORK SHALL BE OBSERVED AND TESTED BY THE GEOTECHNICAL ENGINEER. EXPANSIVE SOIL ENGINEERED BUILDING PAD PER SOILS REPORT IS ACCEPTABLE.

4. GEOTECHNICAL ENGINEER: SHALL OBSERVE FOOTINGS BEFORE PLACEMENT OF REINFORCING OR CONCRETE. FOOTING OBSERVATION AND COMPACTION REPORTS SHALL BE SENT TO THE ARCHITECT AND DSA.

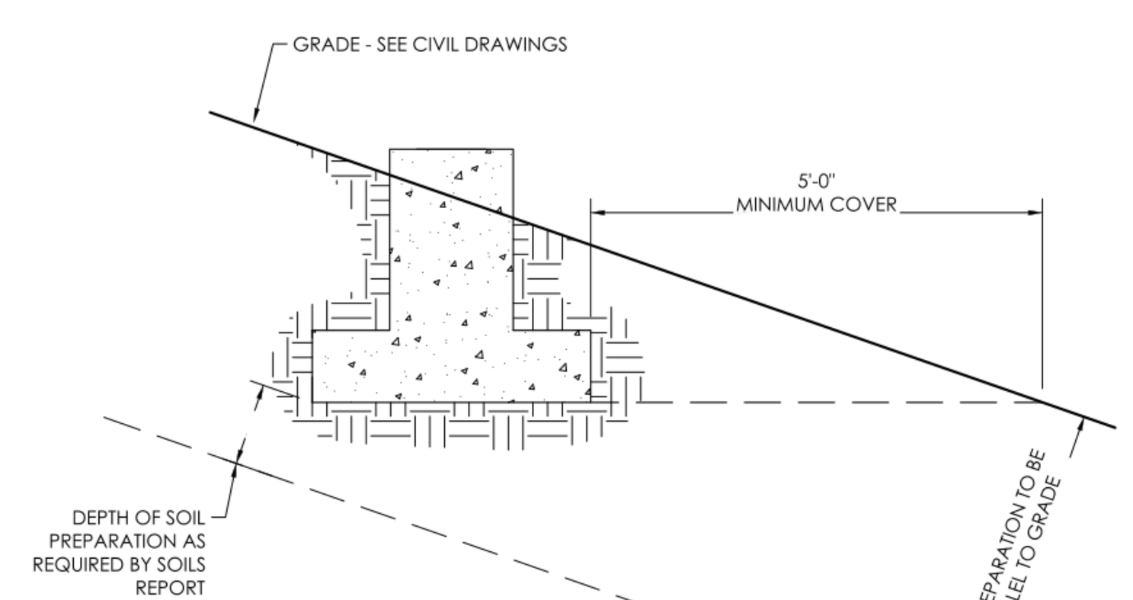
5. SOIL PREPARATION: AS INDICATED IN THE GEOTECHNICAL INVESTIGATION REPORT AND AS SPECIFIED IN THE PROJECT SPECIFICATIONS. COORDINATE WITH GEOTECHNICAL ENGINEERS. EXPANSIVE SOIL ENGINEERED BUILDING PAD PER SOILS REPORT IS ACCEPTABLE.

6. MANDATORY MINIMUM FORMWORK (unless fully formed).



A. STARTER WALL REQUIRED FOR ALL MASONRY OR CONCRETE WALLS.
B. FOUNDATION CONCRETE MAY BE PLACED DIRECTLY INTO NEAT EXCAVATIONS PROVIDED THE FOUNDATION TRENCH WALLS ARE STABLE AS DETERMINED BY THE ARCHITECT (STRUCTURAL ENGINEER) SUBJECT TO THE APPROVAL OF THE DIVISION OF THE STATE ARCHITECT. IN SUCH CASE THE MINIMUM FORMWORK SHOWN ON THE DRAWINGS IS MANDATORY TO INSURE CLEAN EXCAVATIONS IMMEDIATELY PRIOR TO AND DURING THE PLACING OF CONCRETE.

7. FOUNDATIONS GEOTECHNICAL / GRADING REQUIREMENTS:



CONCRETE WEDGE ANCHORS:

1. ANCHOR DIAMETER REFERS TO THE THREAD SIZE FOR THE WEDGE ANCHOR.

2. APPLY PROOF TEST LOADS TO WEDGE ANCHORS WITHOUT REMOVING THE NUT IF POSSIBLE. IF NOT, REMOVE NUT & INSTALL A THREADED COUPLER TO THE SAME TIGHTNESS OF THE ORIGINAL NUT USING A TORQUE WRENCH & APPLY LOAD.

3. REACTION LOADS FROM TEST FIXTURES MAY BE APPLIED CLOSE TO THE ANCHOR BEING TESTED, PROVIDED THE ANCHOR IS NOT RESTRAINED FROM WITHDRAWING BY THE FIXTURE(S).

4. TEST EQUIPMENT IS TO BE CALIBRATED BY AN APPROVED TESTING LABORATORY IN ACCORDANCE WITH STANDARD RECOGNIZED PROCEDURES.

5. THE FOLLOWING CRITERIA APPLY FOR THE ACCEPTANCE OF INSTALLED ANCHORS:

   HYDRAULIC RAM METHOD:
   THE ANCHOR SHOULD HAVE NO OBSERVABLE MOVEMENT AT THE APPLICABLE TEST LOAD. FOR WEDGE ANCHORS, A PRACTICAL WAY TO DETERMINE OBSERVABLE MOVEMENT IS THAT THE WASHER UNDER THE NUT BECOMES LOOSE.

   TORQUE WRENCH METHOD:
   WEDGE TYPE:
   THE APPLICABLE TEST TORQUE MUST BE REACHED WITHIN THE FOLLOWING LIMITS:

   ONE-HALF (1/2) TURN OF THE NUT:
   ONE-QUARTER (1/4) TURN OF THE NUT FOR
   THE 3/8 IN. SLEEVE ANCHOR ONLY.

6. TESTING SHOULD OCCUR 24 HOURS MINIMUM AFTER INSTALLATION OF THE SUBJECT ANCHORS.

7. TESTING VALUES:

HILTI KB TZ2 ICC-ESR-4266
HARD ROCK TEST VALUES CONCRETE

ANCHOR DIA. (IN.)	MINIMUM EMBEDMENT	TENSION TEST LOAD (LBS.)	TORQUE (FT.-LBS.)
3/8	2 1/2"	1,947	30
1/2	3 3/4"	3,544	40
5/8	4 1/2"	5,641	60
3/4	5 1/2"	10,860	110

CONCRETE NOTES:

1. MAXIMUM SIZE AGGREGATE SHALL BE AS FOLLOWS:
   1 1/2"Ø
   AGGREGATE FOR CONCRETE SHALL CONFORM TO ASTM C33.
   GRADING OF AGGREGATE SHALL CONFORM TO TITLE 24, PART 2
   CHAPTER 19-A. CBC.

2. MINIMUM COMPRESSIVE STRENGTH OF CONCRETE AT 28 DAYS SHALL BE 4,500 PSI. SLUMP = 5" MAX. W/C RATIO IS 0.45 MAX.

3. ALL REINFORCING SHALL BE ASTM A615 GRADE 40 FOR #3, GRADE 60 FOR #4 AND LARGER. REINF. TO BE WELDED SHALL BE ASTM A706.

4. ALL DIMENSIONS SHOWN FOR LOCATION OF REINFORCING STEEL ARE TO FACE OF BAR AND DENOTE CLEAR COVERAGE. UNLESS SPECIFICALLY NOTED, CONCRETE COVERAGE SHALL BE AS FOLLOWS:
   3" FOR CONCRETE DEPOSITED DIRECTLY AGAINST GROUND (EXCEPT SLABS)
   2" FOR CONCRETE EXPOSED TO GROUND OR WEATHER BUT PLACED IN FORMS.
   PLACE REINF. AT MID-THICKNESS FOR SLABS ON GROUND.

5. CONCRETE SHALL NOT BE DROPPED THROUGH REINF. STEEL (AS IN WALL) SO TO CAUSE SEGREGATION OF AGGREGATES. IN SUCH CASES, HOPPERS AND VERTICAL CHUTES OR TRUNKS SHALL BE USED. CHUTES OR TRUNKS SHALL BE OF VARIABLE LENGTHS SO THAT FREE UNCONFINED FALL OF CONCRETE SHALL NOT EXCEED FIVE (5) FEET AND SUFFICIENT NUMBER SHALL BE USED TO INSURE THE CONCRETE BEING LEVEL AT ALL TIMES.

6. HORIZONTAL CONSTRUCTION JOINTS SHALL HAVE ENTIRE SURFACE REMOVED TO EXPOSED CLEAN AGGREGATE SOLIDLY EMBEDDED.

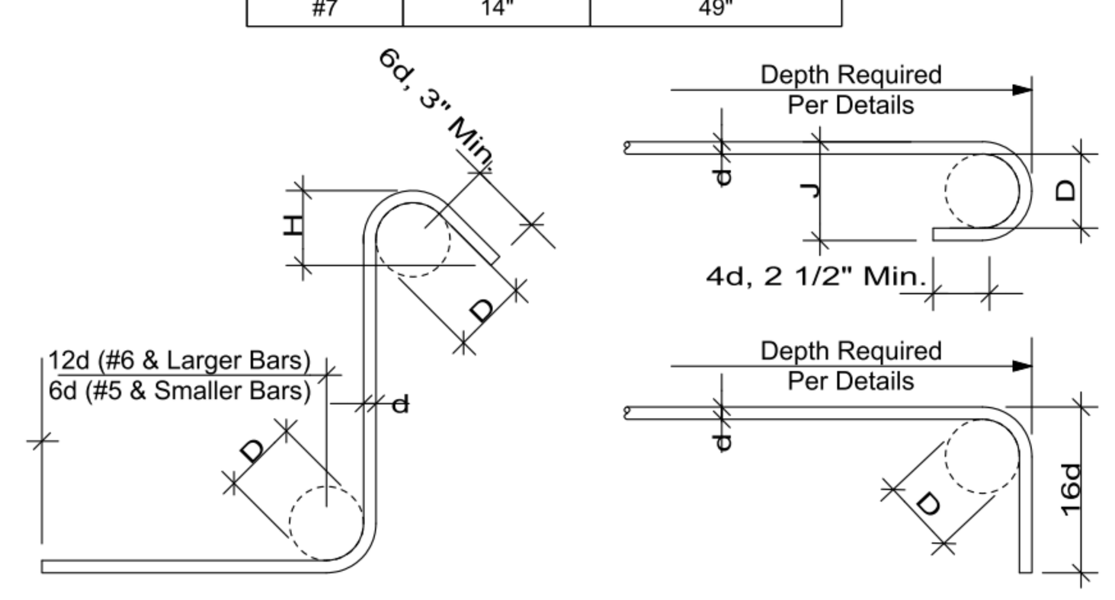
7. ALL STEEL COLUMN BASE PLATES AND STEEL BEAMS BEARING ON CONCRETE SHALL BEAR UPON 1" DRYPACK AND LEVELING NUTS EXCEPT AS NOTED OTHERWISE.

8. WHERE STEEL MEMBERS BEAR IN CONCRETE, GAPS BETWEEN BASE PLATE AND CONCRETE SHOULD BE DRY-PACKED WITH GROUT AFTER STEEL IS IN PLACE. GROUT SHALL BE PER CONCRETE CONTRACTOR AND SHALL BE 5 KSI MINIMUM.+

9. PROVIDE MINIMUM LAP SPLICES FOR CONTINUOUS REINFORCEMENT PER THE SCHEDULE PROVIDED BELOW. PROVIDE MINIMUM DEVELOPMENT FOR HOOKED BARS PER THE SCHEDULE BELOW.

TYPICAL LAP SPLICES AND DEVELOPMENT U.N.O. PER PLAN
3000 psi Conc., 60 ksi Rebar, 2" Clr. Min.

Bar Size	Hook Dev. Length (Ldh)	Lap Splice
#3	6"	17"
#4	8"	23"
#5	10"	28"
#6	12"	34"
#7	14"	49"



STANDARD TIES & STIRRUPS

Bar Size	D	H
#3	1 1/2"	2 1/2"
#4	2"	3"
#5	2 1/2"	3 3/4"
#6	4 1/2"	4 1/2"
#7	5 1/4"	5 1/4"
#8	6"	6"

STANDARD END HOOKS

Bar Size	D	J
#3	2 1/4"	3"
#4	3"	4"
#5	3 3/4"	5"
#6	4 1/2"	6"
#7	5 1/4"	7"
#8	6"	8"
#9	9 1/2"	11 3/4"
#10	10 3/4"	13 1/4"

NOTE: All bar bend diameters and end lengths must conform to the CRSI Manual of Standard Practice.

CONCRETE - EPOXY ANCHORED THREADED RODS:

1. MATERIALS: (ICC ESR 3187)
   HILTI HIT-HY200 EPOXY ADHESIVE
   CONCRETE (MIN)........................ F'c = 3,000 PSI STONE AGGREGATE
   THREADED RODS......................... ASTM A-153 TYPICAL
   NUTS... ASTM A-563 HEX, GRADE A

2. INSTALLATION:

A. CARBIDE-TIPPED DRILL BITS ANSI B212.15-1994.

B. HOLES DRILLED WITH HOLLOW BIT, NO CLEANING OR BRUSHING REQUIRED.

C. INSTALLATION AND ALLOWABLE LOADING:

HILTI HIT-HY200
HARD ROCK TEST VALUES CONCRETE

ROD DIAM. (IN.)	BIT DIAM. (IN.)	MIN. EMBED. (IN.)	ALLOW. TENSION (LBS.)	LOAD SHEAR (LBS.)	MIN EDGE DIST. (IN.)	TIGHT. TORQUE (FT. LBS.)	TENSION TEST LOAD (LBS.)
3/8	7/16	3-3/8	1,370	1,320	5-1/4	18	2,700
1/2	9/16	4-1/2	2,400	2,375	6-3/8	30	4,800
5/8	3/4	5-5/8	3,595	3,375	7-1/2	75	7,200
3/4	7/8	6-3/4	5,025	4,600	10-1/8	150	10,050
7/8	1	7-7/8	5,340	5,330	11-5/8	175	10,070
1	1-1/8	9	6,440	6,140	13-1/2	235	13,000
1-1/4	1-3/8	11-1/4	8,645	8,875	14-1/2	400	17,300

3. CAPACITY LOADS ARE STRENGTH DESIGN LOADS.

4. DO NOT INSTALL IN CONCRETE THAT IS LESS THAN 7 DAYS OLD.

5. MINIMUM MEMBER THICKNESS TO RECEIVE ROD SHALL BE NO LESS THAN 1.5 TIMES THE ANCHOR EMBEDMENT DEPTH.

6. ANCHORS SHALL BE INSTALLED IN HAMMER DRILLED HOLES

STRUCTURAL STEEL:

1. CODES: AISC SPECIFICATION FOR STRUCTURAL STEEL FOR BUILDINGS; MANUAL OF STEEL CONSTRUCTION (15TH EDITION); STRUCTURAL WELDING CODE AWS D1.1 AND AWS D1.4. PIPES SHALL BE IDENTIFIED WITH MILL IDENTIFICATION IN ACCORDANCE WITH ASTM A-53 AND TUBE SHAPES IN ACCORDANCE WITH ASTM A-500.

2. IDENTIFICATION: ROLLED STRUCTURAL STEEL SHAPES SHALL BE IDENTIFIED WITH MILL IDENTIFICATION MARKS IN CONFORMANCE WITH ASTM A6.

3. MATERIALS:
   STRUCTURAL SHAPES
   WIDE FLANGE................................ ASTM A992/A572, Fy = Gr. 50 (Fy = 50 ksi Min.), UNO
   CHANNELS AND ANGLES.............. ASTM A529, Fy = Gr. 50 (Fy = 50 ksi Min.), UNO
   SWAYRODS.................................... ASTM A529, Fy = Gr. 50 (Fy = 50 ksi Min.), UNO
   HSS SHAPES (TUBE COLUMNS).......... ASTM A-500 GRADE B - 46 KSI
   PLATES 1/2" THICK OR LESS................. ASTM A36 Gr. 36 (Fy = 36 ksi Min.), UNO
   PLATES GREATER THAN 1/2" THICK.... ASTM A572 Gr. 50 (Fy = 50 ksi Min.), UNO
   BOLTS.. ASTM A-307, TYPICAL U.N.O (HOT DIP GALVANIZED)
   NUTS.. HEAVY HEX (HOT DIP GALVANIZED)
   NON-SHRINK GROUT....................... ASTM C-1107 5,000 PSI (NON-METALLIC)
   ANCHOR BOLTS.............................. ASTM A36 OR ASTM A307 (Fy=36 ksi Min.) (HOT DIP GALVANIZED)

4. WELDING: ALL WELDING SHALL BE IN CONFORMANCE WITH AWS D1.1. WELDS ARE ALL AROUND WITH TYPE ER70S-6 WIRE MIG U.N.O.

5. ALL STEEL SHALL BE HOT DIP GALVANIZED TO CURRENT A.S.T.M. A-123.

6. ALL FIELD CONNECTIONS ARE NON-SLIP CRITICAL U.N.O. ALL CONNECTIONS ARE DESIGNED TO UTILIZE A307 BOLTS, IT IS ACCEPTABLE TO USE A325N BOLTS IN LIEU OF THE A307 BOLTS. THE INSTALLATION OF THESE BOLTS ARE TO BE TIGHTENED A SNUG TIGHT CONDITION AS SPECIFIED BY AISC.

7. SWAYROD THREADS SHALL BE PINGED WITH A HAMMER TO ELIMINATE REMOVAL OF NUT, AFTER FINAL TIGHTENING.

ALUMINUM:

1. MATERIALS: ALUMINUM
   SHAPES..........................ALLOY 6061-T6 OR 6005-T5 (Fy = 35 KSI)
   PLANKING....................ALLOY 6063-T6 (Fy = 25 KSI)

2. DISSIMILAR MATERIALS: WHERE ALUMINUM SURFACES ARE IN CONTACT WITH STEEL, THE STEEL SHALL BE GALVANIZED.

3. MILL FINISHED ALUMINUM WILL BECOME DISCOLORED DUE TO OXIDATION WHICH IS A NATURAL PHENOMENON & SHOULD BE EXPECTED.

4. ANODIZED ALUMINUM HANDRAIL IS 1 1/4" PIPE SIZE.

5. ALUMINUM TO CONFORM TO 2015 ALUMINUM DESIGN MANUAL.

SPECIAL INSPECTION/INSPECTOR REQUIREMENTS
REQUIREMENTS FOR SPECIAL INSPECTION:

1. REFERENCE DSA 103 FORM FOR INSPECTIONS REQUIREMENTS.

TAYLOR & SYFAN STRUCTURAL ENGINEERS
CENTRAL COAST OFFICE Ph: (626) 793-7438 Fax: (626) 793-7439 Toll: (800) 579-3881
553 S. Oak Knoll Ave. Pasadena, CA 91101
http://www.taylorsyfan.com/

Southern® BLEACHER COMPANY
GRANDSTANDS ▪BLEACHERS ▪STADIUMS
PO Box One, Graham, Texas 76450
801 Fifth Street.
Phone: 940/549-0733 Fax: 940/549-1365
Established 1946

REGISTERED PROFESSIONAL ENGINEER BRIAN T. DEAN S 6087 Exp. 06/30/23 STRUCTURAL STATE OF CALIFORNIA
Signed 11/30/21
PRINCIPAL

GENERAL NOTES
12" RISE X 24" TREAD / (15 ROWS)

SAN PASQUAL VALLEY USD
SAN PASQUAL VALLEY HS
WINTERHAVEN, CA

REV	BY	DATE	DESCRIPTION
		11/02/21	DSA COMMENTS
		5/2/21	NONE THIS PAGE

DATE	DRAWN	CHECKED
7/15/21	VK	DMC

JOB NUMBER #21268

SHEET	OF
B2	B15

21268

22" X 34" (11x17 = 1/2 indicated scale)

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 04-120409 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 12/17/2021

Lord Architecture Inc.
11650 Iberia Place, Suite 210
San Diego, CA 92128-2455
858-485-6980, 858-485-1510 fax

SAN PASQUAL VALLEY UNIFIED SCHOOL DISTRICT
SPVHS ATHLETIC FIELDS BLEACHER & RESTROOM REPLACEMENT
676 Baseline Rd, Winterhaven, CA 92283

SAN PASQUAL VALLEY
Unified School District

LICENSED ARCHITECT KATHERINE T. LORD No. C 14478 EXP. 02/23 STATE OF CALIFORNIA

Issue Schedule

No.	Description	Date
	DSA	9/8/21
	DSA V2	11/3/21
	DSA V3	11/30/21

Sheet Title: GENERAL NOTES

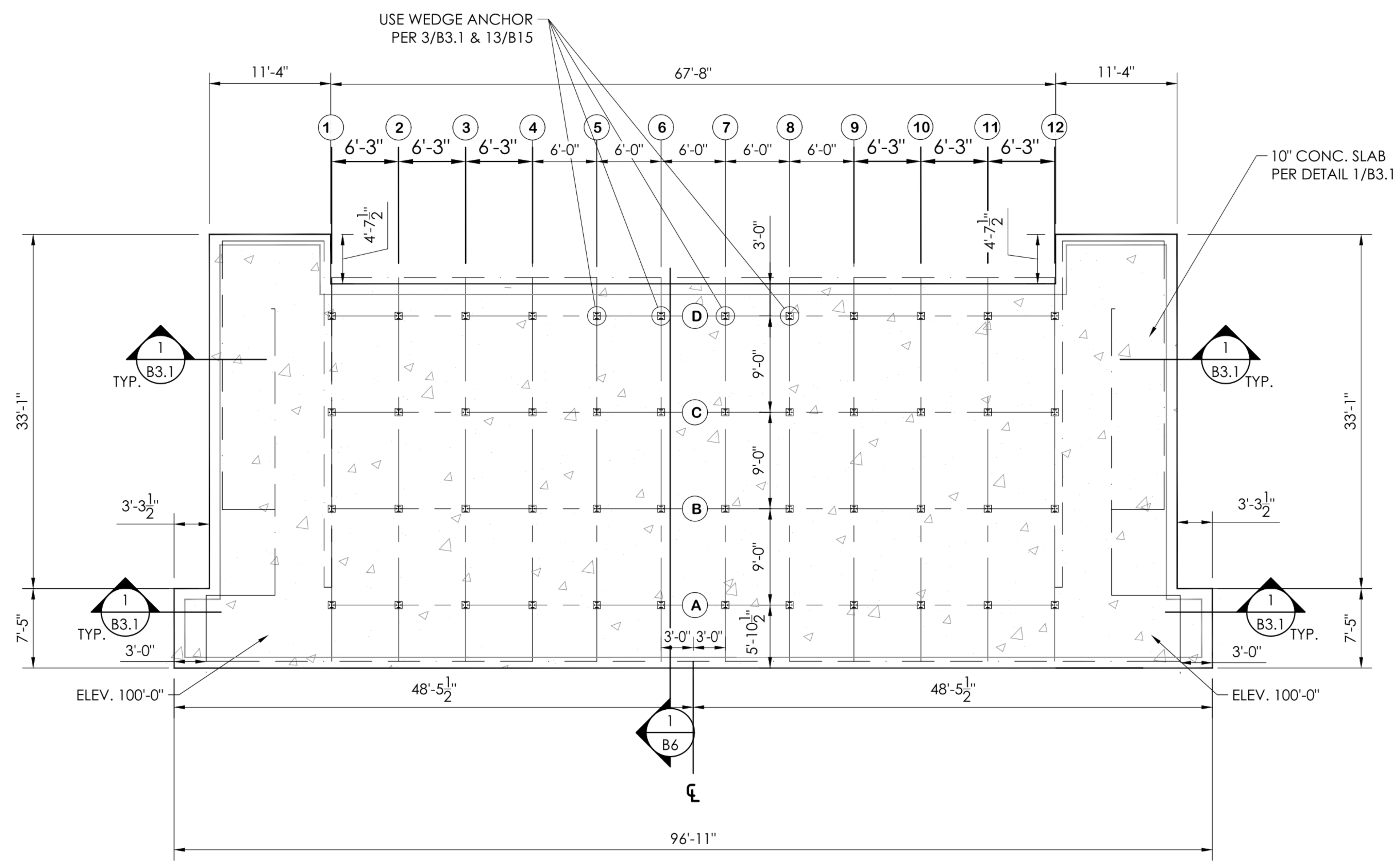
Project Number: 1706-103

Project Architect: KATHERINE LORD

Sheet Number:

B2

- (A) = GRID LINE
- (1) = COLUMN LINE
- = GRID LINE
- = OUTLINE OF GRANDSTAND
- = OUTLINE OF CONCRETE
- = OUTLINE OF THICKENED EDGE
- = CONCRETE SLAB



1 / B3 **FOOTING LAYOUT**
SCALE:1/8"=1'-0"

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 04-120409 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 12/17/2021

Lord Architecture Inc.
11650 Iberia Place, Suite 210
San Diego, CA 92128-2455
858-485-6980, 858-485-1510 fax

SAN PASQUAL VALLEY UNIFIED SCHOOL DISTRICT
SPVHS ATHLETIC FIELDS BLEACHER & RESTROOM REPLACEMENT
676 Baseline Rd, Winterhaven, CA 92283

SAN PASQUAL VALLEY
Unified School District

LICENSED ARCHITECT KATHERINE T. LORD No. C 14478 EXP. 02/23 STATE OF CALIFORNIA

Issue Schedule

No.	Description	Date
	DSA	9/8/21
	DSA V2	11/3/21
	DSA V3	11/30/21

Sheet Title: FOOTING LAYOUT
Project Architect: KATHERINE LORD
Project Number: 1706-103
Sheet Number: B3

STRUCTURAL ENGINEERS
TAYLOR & SYFAN
Southern BLEACHER COMPANY
GRANDSTANDS • BLEACHERS • STADIUMS
PO Box One, Graham, Texas 76450
801 Fifth Street
Phone: 940/549-0733 Fax: 940/549-1365
Established 1946

REGISTERED PROFESSIONAL ENGINEER BRIAN T. DEAN S 6087 Exp. 06/30/23 STRUCTURAL STATE OF CALIFORNIA
Signed 11/30/21
PRINCIPAL

FOOTING LAYOUT
12" RISE X 24" TREAD / (15 ROWS)

SAN PASQUAL VALLEY USD
SAN PASQUAL VALLEY HS
WINTERHAVEN, CA

DSA COMMENTS
NONE THIS PAGE

DATE	DRAWN	CHECKED
7/15/21	VK	DMC

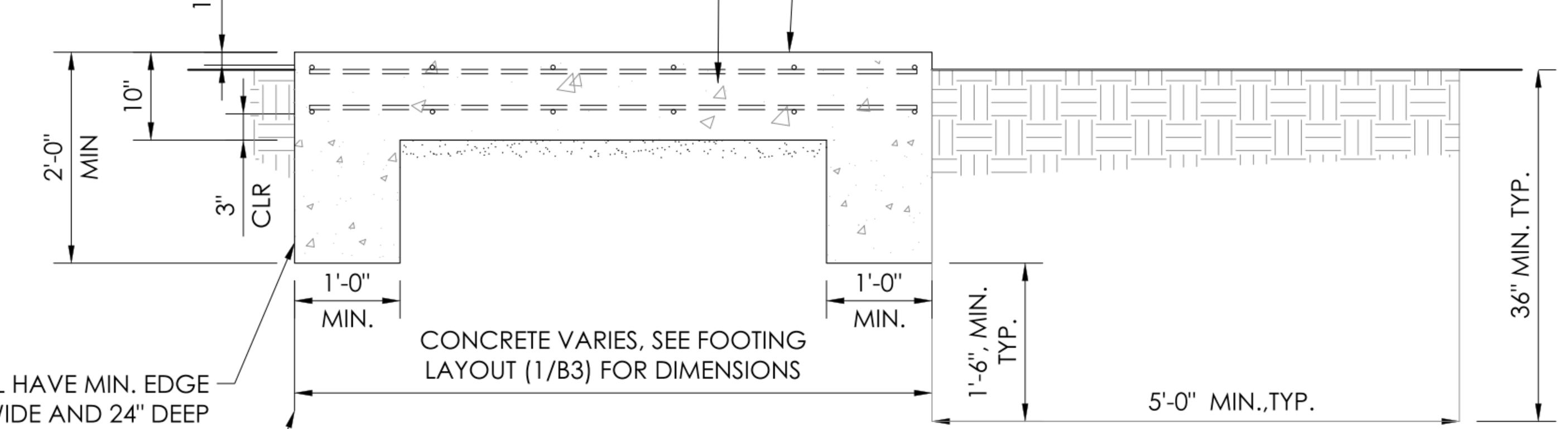
JOB NUMBER #21268

SHEET B3 OF B15

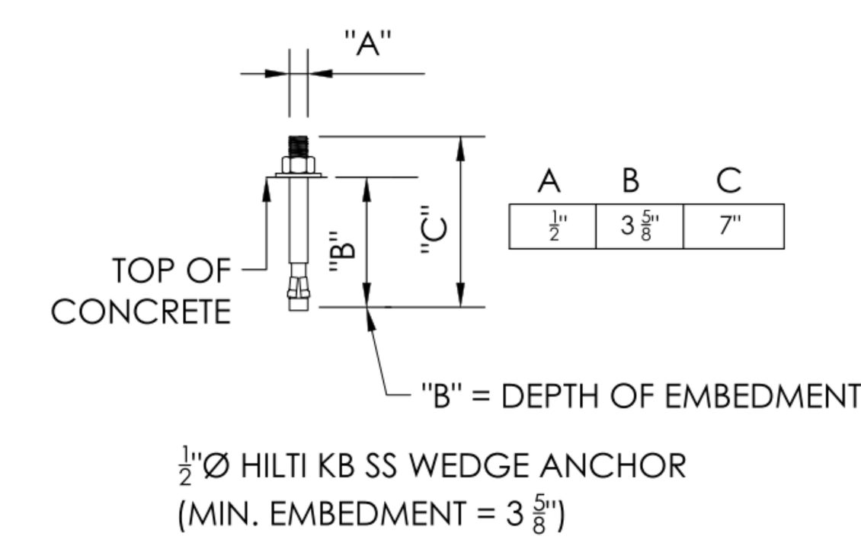
22" X 34" (11x17 = 1/2 indicated scale)

21268

PADS TO BE FLAT AND LEVEL



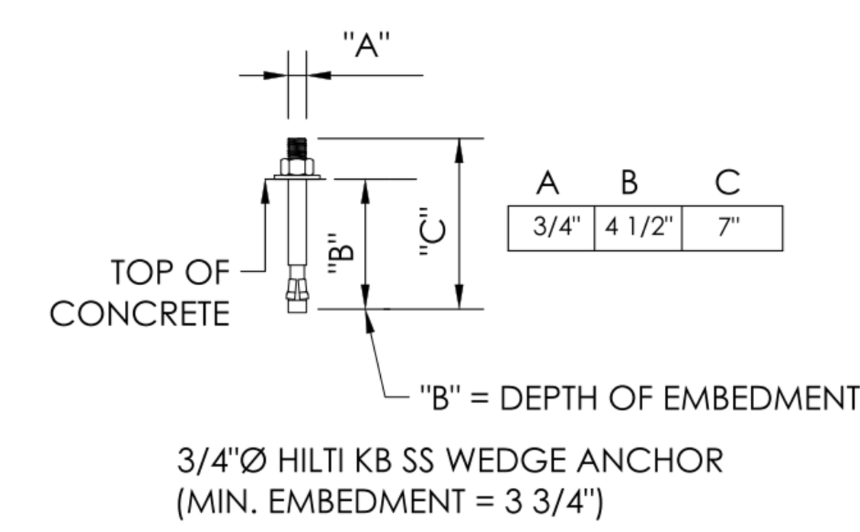
1 / B3.1 MINIMUM CONCRETE DETAIL
NOT TO SCALE



A	B	C
1/2"	3 5/8"	7"

1/2"Ø HILTI KB SS WEDGE ANCHOR (MIN. EMBEDMENT = 3 5/8")

2 / B3.1 WEDGE ANCHOR DETAIL
NOT TO SCALE



A	B	C
3/4"	4 1/2"	7"

3/4"Ø HILTI KB SS WEDGE ANCHOR (MIN. EMBEDMENT = 3 3/4")

3 / B3.1 WEDGE ANCHOR DETAIL (AT D5-D8)
NOT TO SCALE

FOUNDATION NOTES

1. OWNER/OWNERS REP SHALL VERIFY ALL DIMENSIONS PRIOR TO START OF CONSTRUCTION.
2. REINFORCING STEEL SHALL BE ASTM A615 GRADE 60.
3. CONCRETE SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 4,500 PSI AT 28 DAYS W/ W/C = 0.45 MAX.
4. MAXIMUM HORIZ. TOLERANCE OF ANCHOR BOLT PLACEMENT SHALL BE ±1/8".
5. THE CONCRETE FOUNDATION CONTRACTOR IS RESPONSIBLE FOR NON SHRINK GROUTING.
6. ALL UNDERGROUND UTILITIES ARE TO BE LOCATED AND MARKED DURING THE REVIEW PROCESS BY THE OWNERS REPRESENTATIVE PRIOR TO FOUNDATION EXCAVATION.
7. REMOVE/RELOCATE THE UNDERGROUND UTILITIES AS REQUIRED WHERE UNDERGROUND UTILITIES CONFLICT WITH THE NEW FOOTINGS.

TAYLOR & SYFAN STRUCTURAL ENGINEERS
553 S. Oak Knoll Ave. Pasadena, CA 91101

Southern BLEACHER COMPANY
GRANDSTANDS • BLEACHERS • STADIUMS
PO Box One, Graham, Texas 76450
801 Fifth Street
Phone: 940/549-0733 Fax: 940/549-1365
Established 1946

BRIAN T. DEAN, S 6087, Exp. 06/30/23, STRUCTURAL, STATE OF CALIFORNIA
Signed 11/30/21
PRINCIPAL

FOOTING DETAILS
12" RISE X 24" TREAD / (15 ROWS)

SAN PASQUAL VALLEY USD
SAN PASQUAL VALLEY HS
WINTERHAVEN, CA

DSA COMMENTS 11/02/21
NONE THIS PAGE 9/2/21

DATE 7/15/21 | DRAWN VK | CHECKED DMC
JOB NUMBER #21268
SHEET B3.1 OF B15

22" X 34" (11x17 = 1/2 indicated scale)

21268

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 04-120409 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 12/17/2021

Lord Architecture Inc.
11650 Iberia Place, Suite 210
San Diego, CA 92128-2455
858-485-6980, 858-485-1510 fax

SAN PASQUAL VALLEY UNIFIED SCHOOL DISTRICT
SPVHS ATHLETIC FIELDS BLEACHER & RESTROOM REPLACEMENT
676 Baseline Rd, Winterhaven, CA 92283

SAN PASQUAL VALLEY Unified School District

LICENSED ARCHITECT KATHERINE T. LORD No. C 14478 EXP. 02/23 STATE OF CALIFORNIA

Issue Schedule

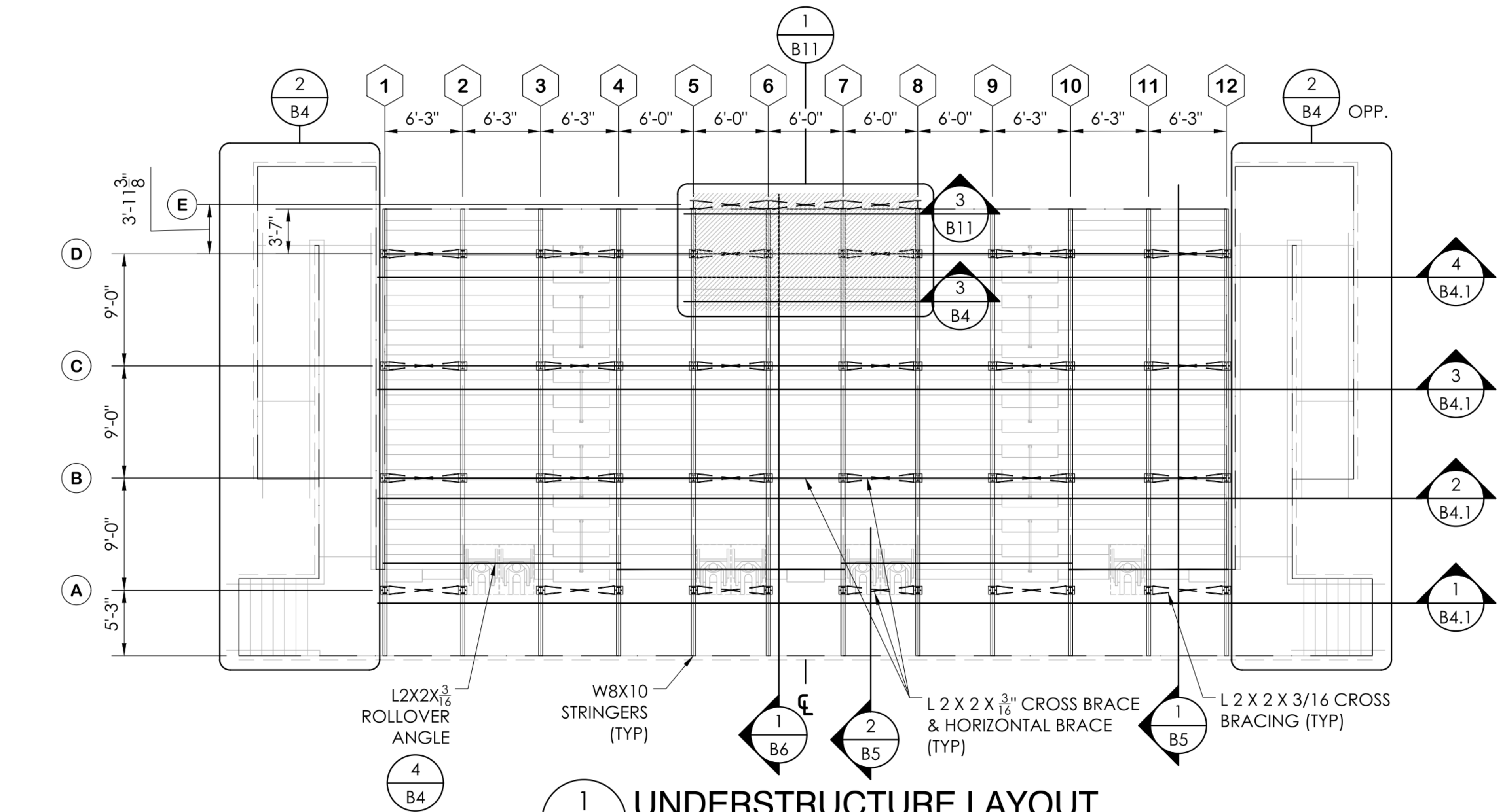
No.	Description	Date
	DSA	9/8/21
	DSA V2	11/3/21
	DSA V3	11/30/21

Sheet Title: FOOTING LAYOUT
Project Number: 1706-103
Project Architect: KATHERINE LORD
Sheet Number: B3.1

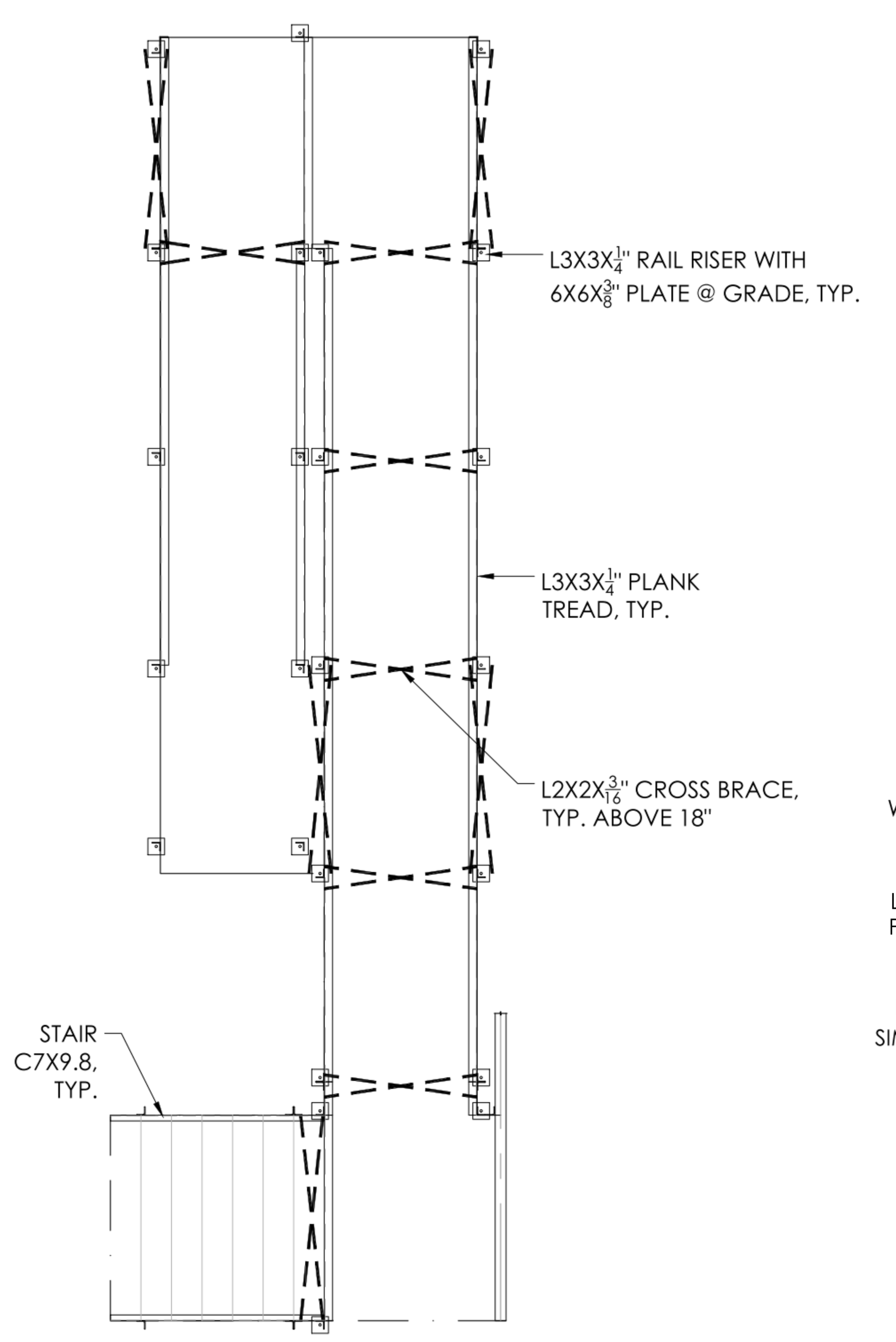
NOTE: SEATING LAYOUT SHOWN FOR REFERENCE ONLY, SEE SHEET B3 FOR SEATING LAYOUT

(A) = PIER LETTERS

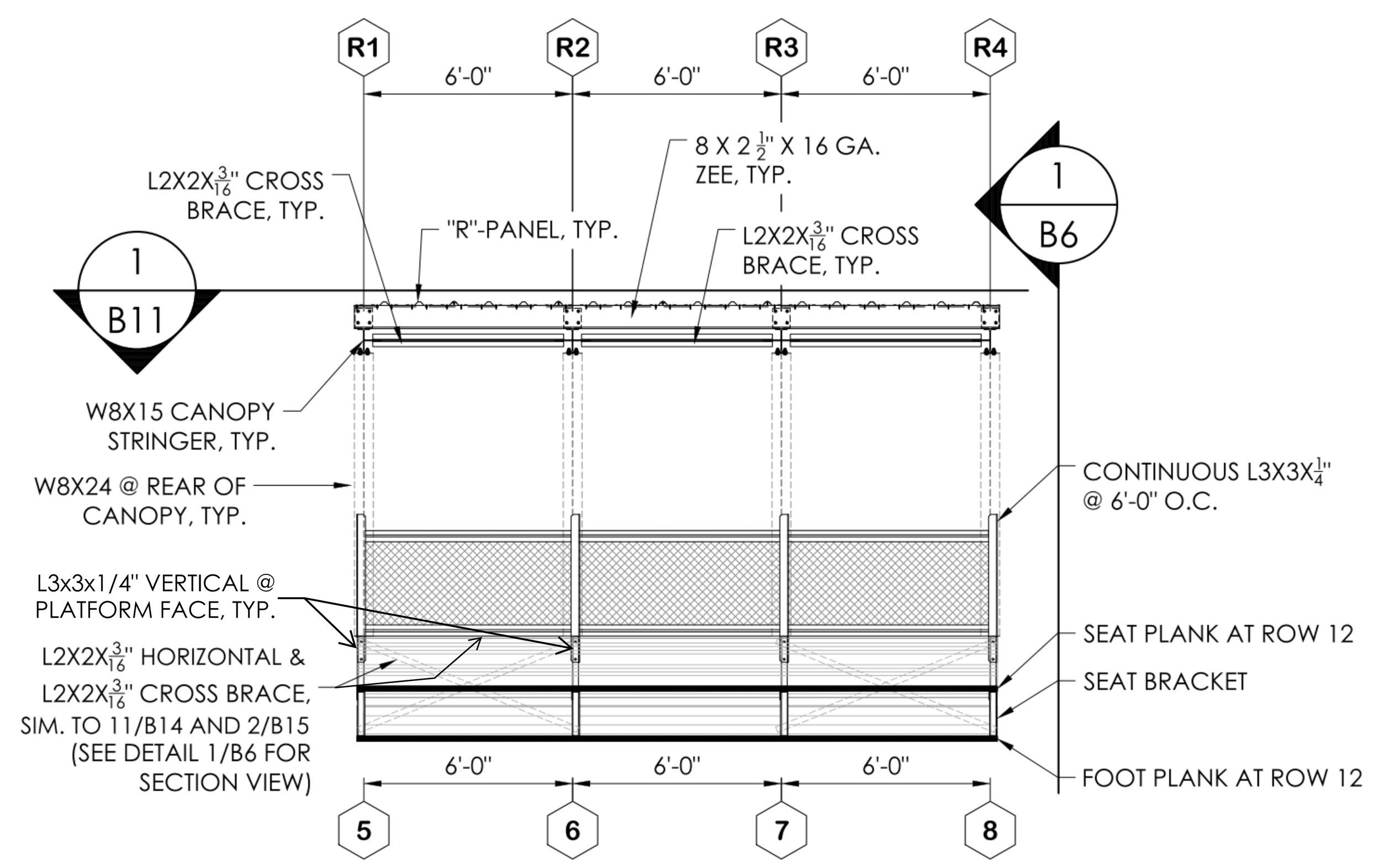
(1) = STRINGER NUMBERS



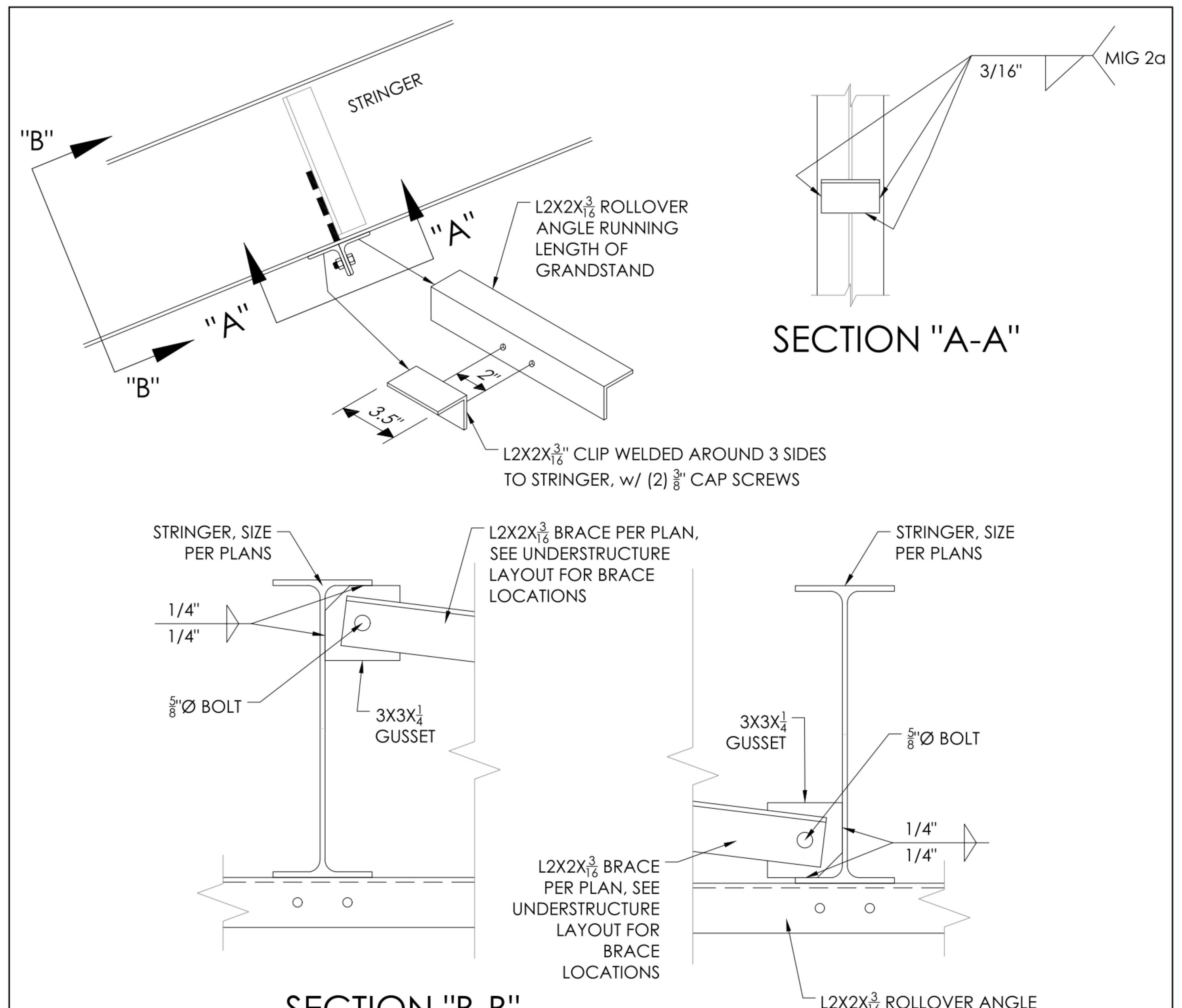
1 B4 UNDERSTRUCTURE LAYOUT
SCALE:1/8"=1'-0"



2 B4 EXIT FRAMING LAYOUT
SCALE:1/4"=1'-0"



3 B4 FRONT ELEVATION VIEW OF PRESS PLATFORM
SCALE:1/4"=1'-0"



4 B4 ROLLOVER ANGLE DETAIL (SINGLE BRACE)
NOT TO SCALE

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 04-120409 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 12/17/2021

Lord Architecture Inc.
11650 Iberia Place, Suite 210
San Diego, CA 92128-2455
858-485-6980, 858-485-1510 fax

SAN PASQUAL VALLEY UNIFIED SCHOOL DISTRICT
SPVHS ATHLETIC FIELDS BLEACHER & RESTROOM REPLACEMENT
676 Baseline Rd, Winterhaven, CA 92283

TAYLOR & SYFAN STRUCTURAL ENGINEERS
Southern BLEACHER COMPANY
GRANDSTANDS • BLEACHERS • STADIUMS
PO Box One, Graham, Texas 76450
801 Fifth Street
Phone: 940/549-0733 Fax: 940/549-1365
Established 1946

REGISTERED PROFESSIONAL ENGINEER BRIAN T. DEAN S 6087 Exp. 06/30/23 STRUCTURAL STATE OF CALIFORNIA
Signed 11/30/21
PRINCIPAL

UNDERSTRUCTURE LAYOUT
12" RISE X 24" TREAD / (15 ROWS)
SAN PASQUAL VALLEY USD
SAN PASQUAL VALLEY HS
WINTERHAVEN, CA

DATE	DRAWN	CHECKED
7/15/21	VK	DMC

JOB NUMBER #21268

SHEET B4 OF B15

22" X 34" (11x17 = 1/2 indicated scale)

21268

SAN PASQUAL VALLEY Unified School District

LICENSED ARCHITECT KATHERINE T. LORD No. C 14478 EXP. 02/23 STATE OF CALIFORNIA

Issue Schedule

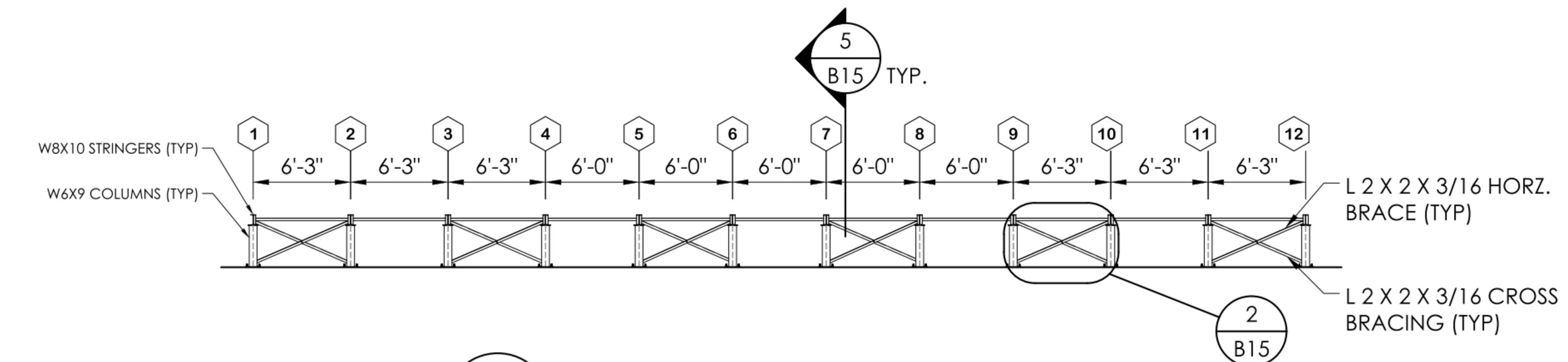
No.	Description	Date
	DSA	9/8/21
	DSA V2	11/3/21
	DSA V3	11/30/21

Sheet Title: UNDERSTRUCTURE LAYOUT

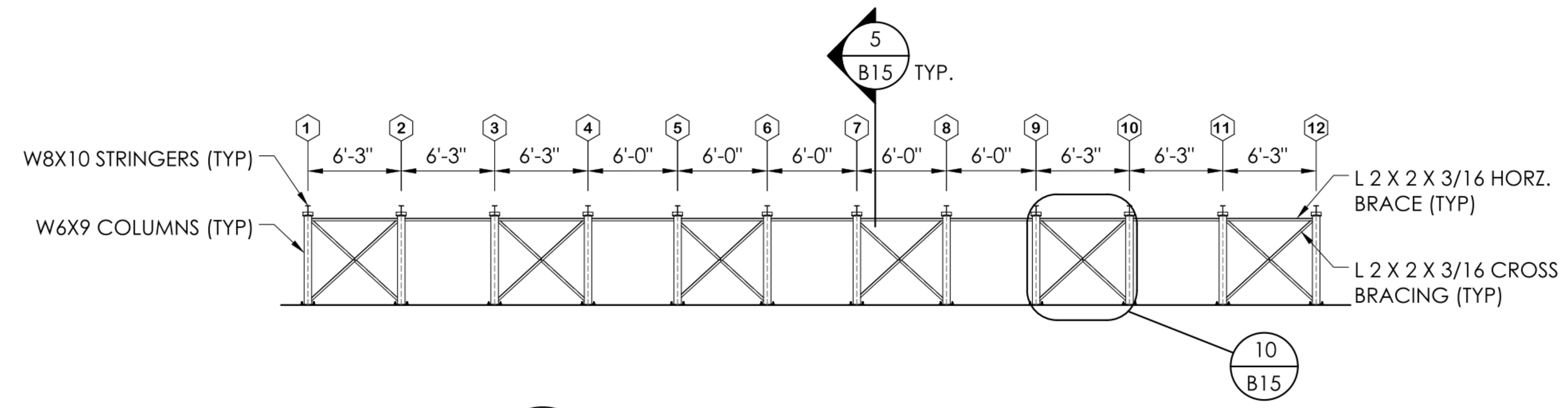
Project Number: 1706-103

Project Architect: KATHERINE LORD

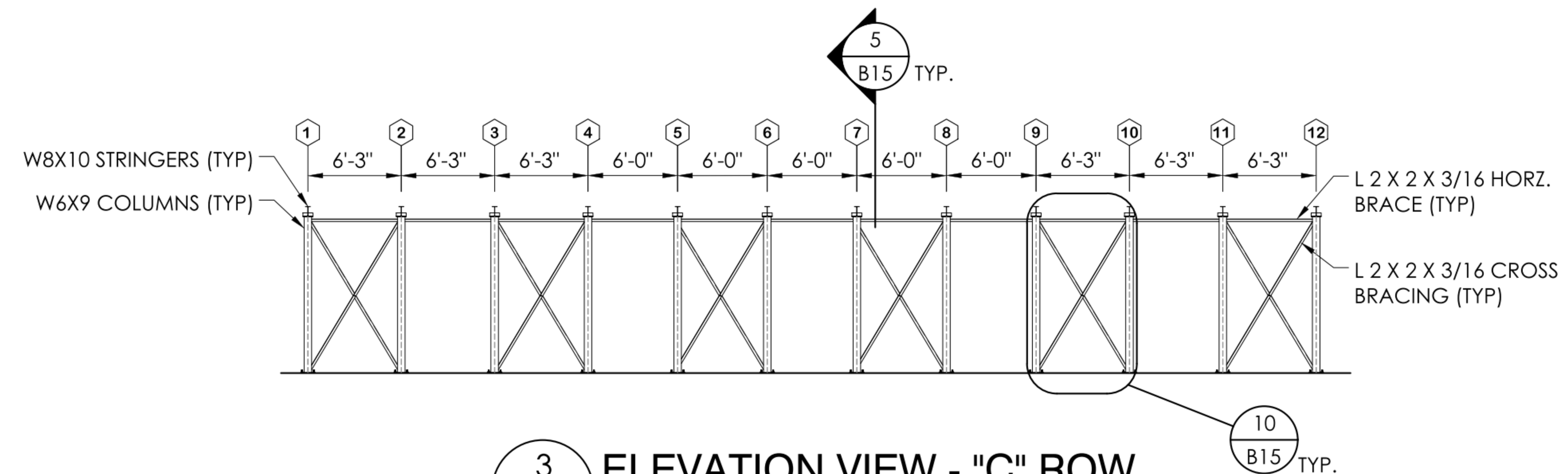
Sheet Number: B4



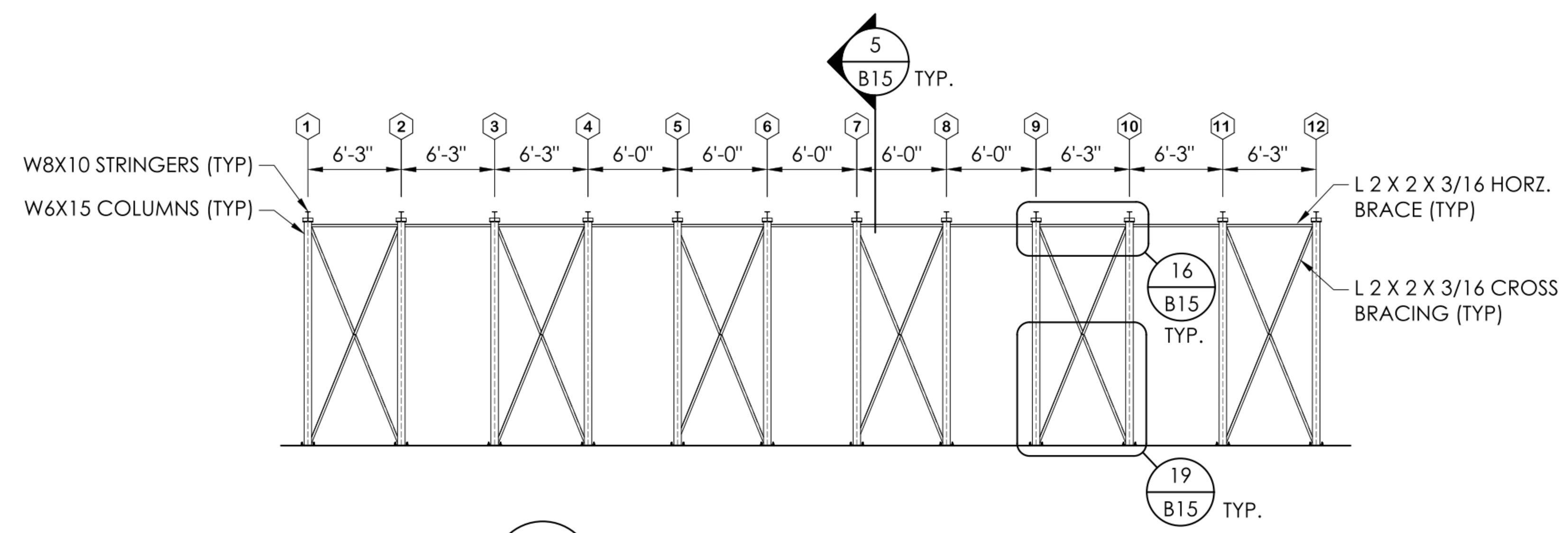
1 / B4.1 **ELEVATION VIEW - "A" ROW**
SCALE:1/8"=1'-0"



2 / B4.1 **ELEVATION VIEW - "B" ROW**
SCALE:1/8"=1'-0"



3 / B4.1 **ELEVATION VIEW - "C" ROW**
SCALE:1/8"=1'-0"



4 / B4.1 **ELEVATION VIEW - "D" ROW**
SCALE:1/8"=1'-0"

THIS DRAWING AND ALL INFORMATION THEREIN IS THE PROPERTY OF THE SOUTHERN BLEACHER COMPANY. TAYLOR & SYFAN AND IS CONFIDENTIAL AND MUST NOT BE MADE PUBLIC OR COPIED. THIS DRAWING IS LOANED SUBJECT TO RE-TURN UPON DEMAND AND IS NOT TO BE USED DIRECTLY OR INDIRECTLY IN ANY WAY DETRIMENTAL TO OUR INTERESTS.

TAYLOR & SYFAN STRUCTURAL ENGINEERS

Southern BLEACHER COMPANY
GRANDSTANDS • BLEACHERS • STADIUMS
PO Box One, Graham, Texas 76450
801 Fifth Street
Phone: 940/549-0733 Fax: 940/549-1365
Established 1946

REGISTERED PROFESSIONAL ENGINEER BRIAN T. DEAN S 6087 Exp. 06/30/23 STRUCTURAL STATE OF CALIFORNIA
Signed 11/30/21
PRINCIPAL

ELEVATION VIEW
12" RISE X 24" TREAD / (15 ROWS)

SAN PASQUAL VALLEY USD
SAN PASQUAL VALLEY HS
WINTERHAVEN, CA

DSA COMMENTS
NONE THIS PAGE

DATE	DRAWN	CHECKED
7/15/21	VK	DMC

JOB NUMBER #21268

SHEET	OF
B4.1	B15

21268

22" X 34" (11x17 = 1/2 indicated scale)

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 04-120409 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 12/17/2021

Lord Architecture Inc.
11650 Iberia Place, Suite 210
San Diego, CA 92128-2455
858-485-6980, 858-485-1510 fax

SAN PASQUAL VALLEY UNIFIED SCHOOL DISTRICT
SPVHS ATHLETIC FIELDS BLEACHER & RESTROOM REPLACEMENT
676 Baseline Rd, Winterhaven, CA 92283

SAN PASQUAL VALLEY
Unified School District

LICENSED ARCHITECT KATHERINE T. LORD No. C 14478 EXP. 02/23 STATE OF CALIFORNIA

Issue Schedule

No.	Description	Date
	DSA	9/8/21
	DSA V2	11/3/21
	DSA V3	11/30/21

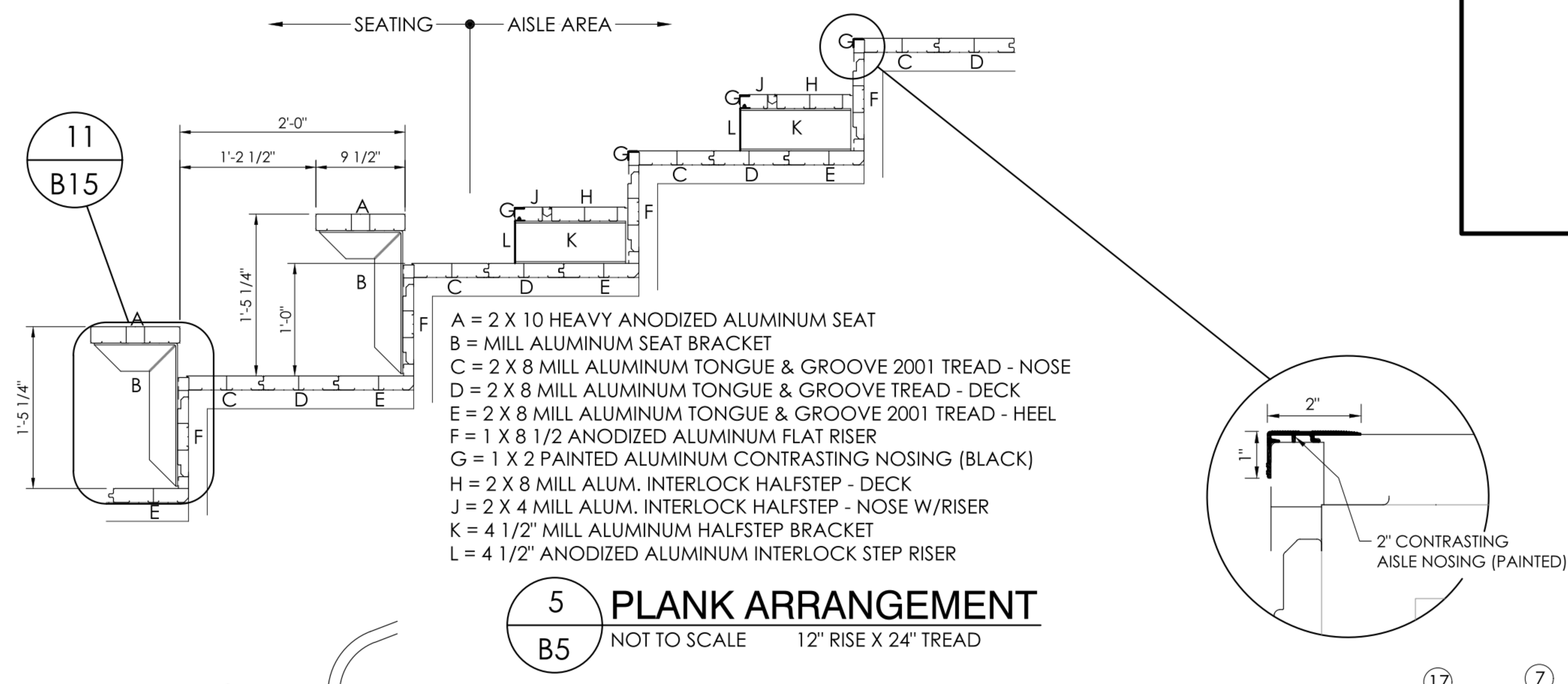
Sheet Title: ELEVATION VIEW
Project Architect: KATHERINE LORD
Project Number: 1706-103

Sheet Number:
B4.1

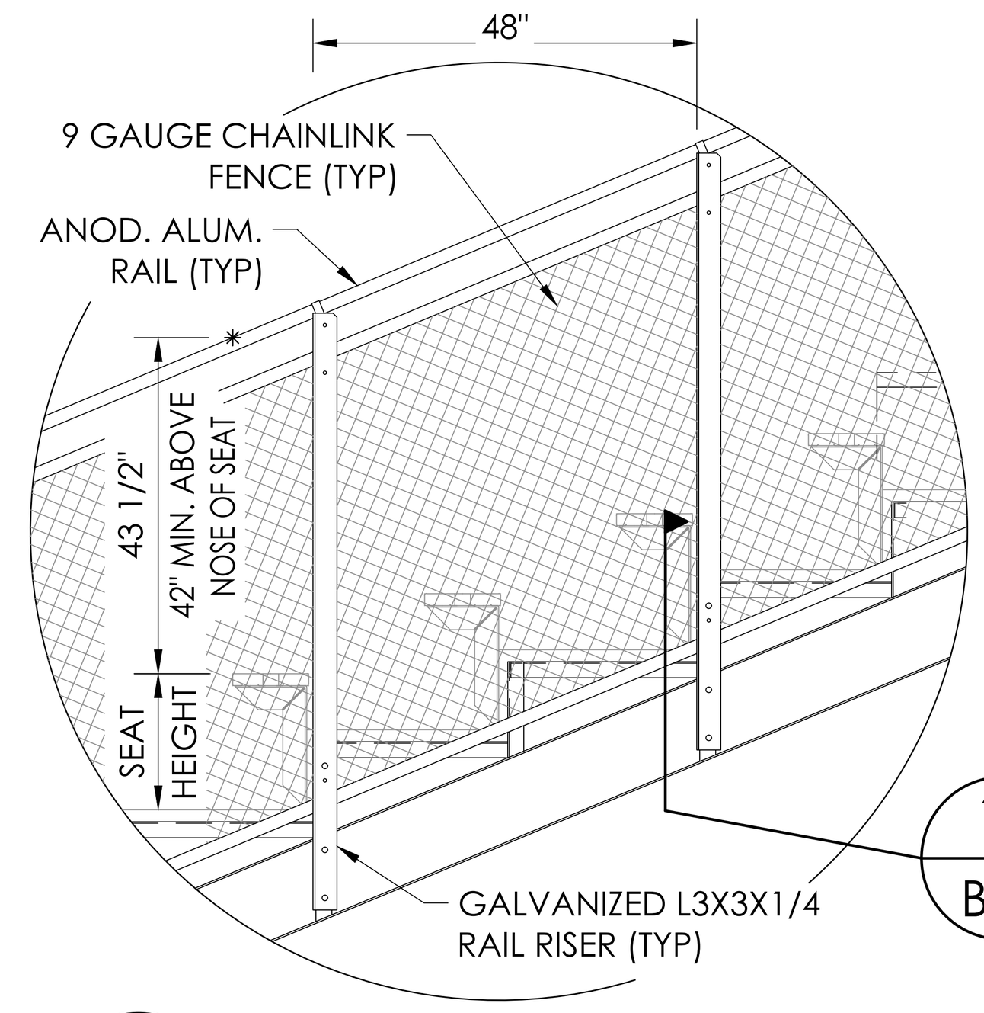
ITEM DESCRIPTION

1. N/A
2. W 8 X 10 (50 ksi)
3. W 8 X 15 (50 ksi)
4. W 8 X 24 (50 ksi)
5. W 6 X 9 (50 ksi)
6. W 6 X 15 (50 ksi)
7. L 3 X 3 X 1/4 (50 ksi)
8. L 2 X 2 X 3/16 (50 ksi)
9. L 2 X 1 1/2 X 3/16 (50 ksi)
10. L 1 1/2 X 1 1/2 X 3/16 (50 ksi)
11. 9 X 9 X 3/8 PLATE
12. 10 X 10 X 3/8 PLATE
13. 3 X 8 X 3/8 PLATE
14. 6 X 8 X 3/8 PLATE
15. 1/2"Ø HILTI KBTZ SS WEDGE ANCHORS (MIN. EMBEDMENT=3 5/8")
16. 2 X 1/4 GUSSET PLATE (A36): EACH SIDE
17. ANODIZED ALUMINUM RAIL
18. 9 GUAGE CHAINLINK FENCE
19. 3/4"Ø HILTI KBTZ SS WEDGE ANCHORS (MIN. EMBEDMENT=4 1/2")

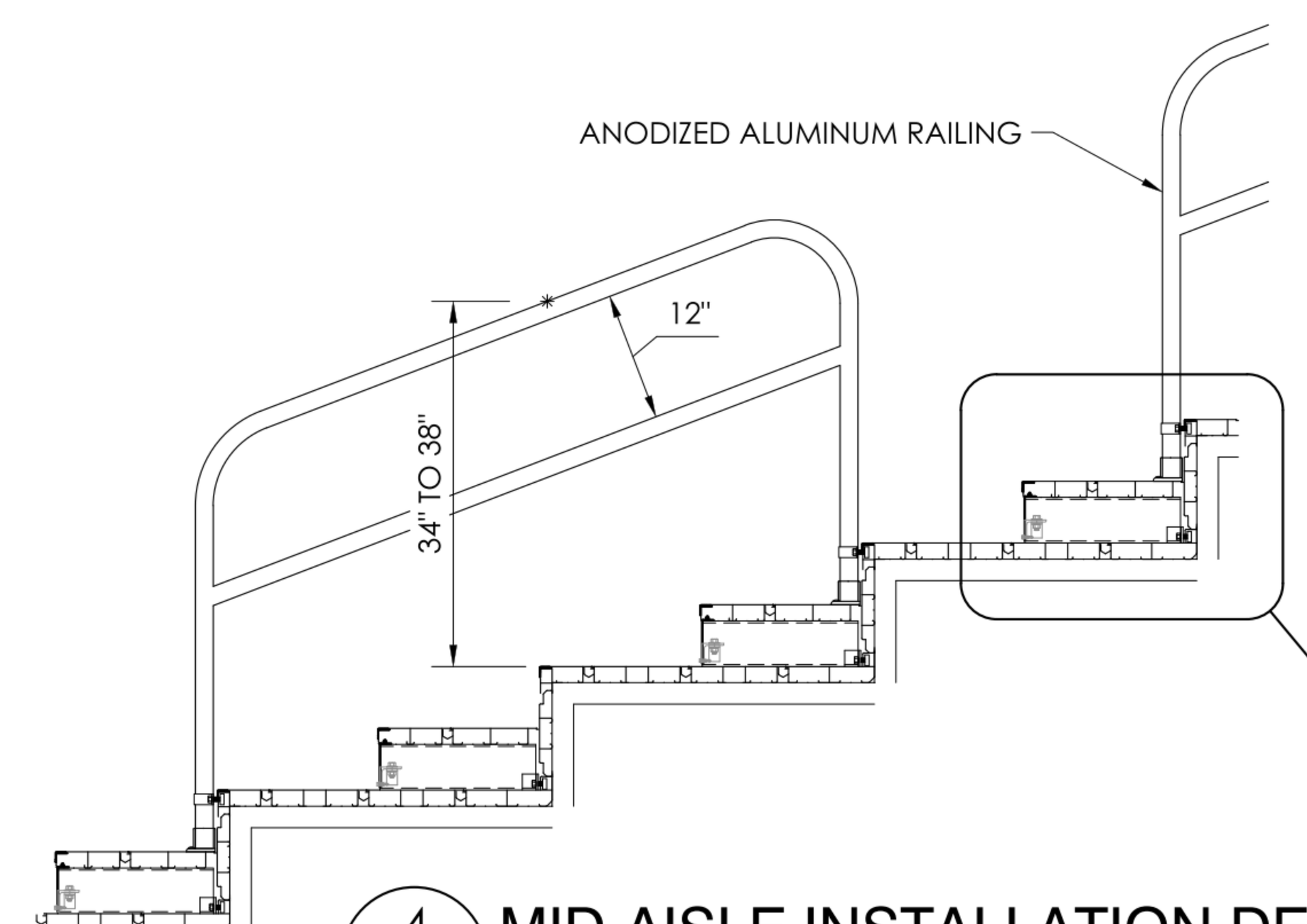
ATTACHMENT OF SLATS, SIGNS OR SIMILAR ATTACHMENTS ARE NOT ALLOWED TO OPEN-MESH FENCING



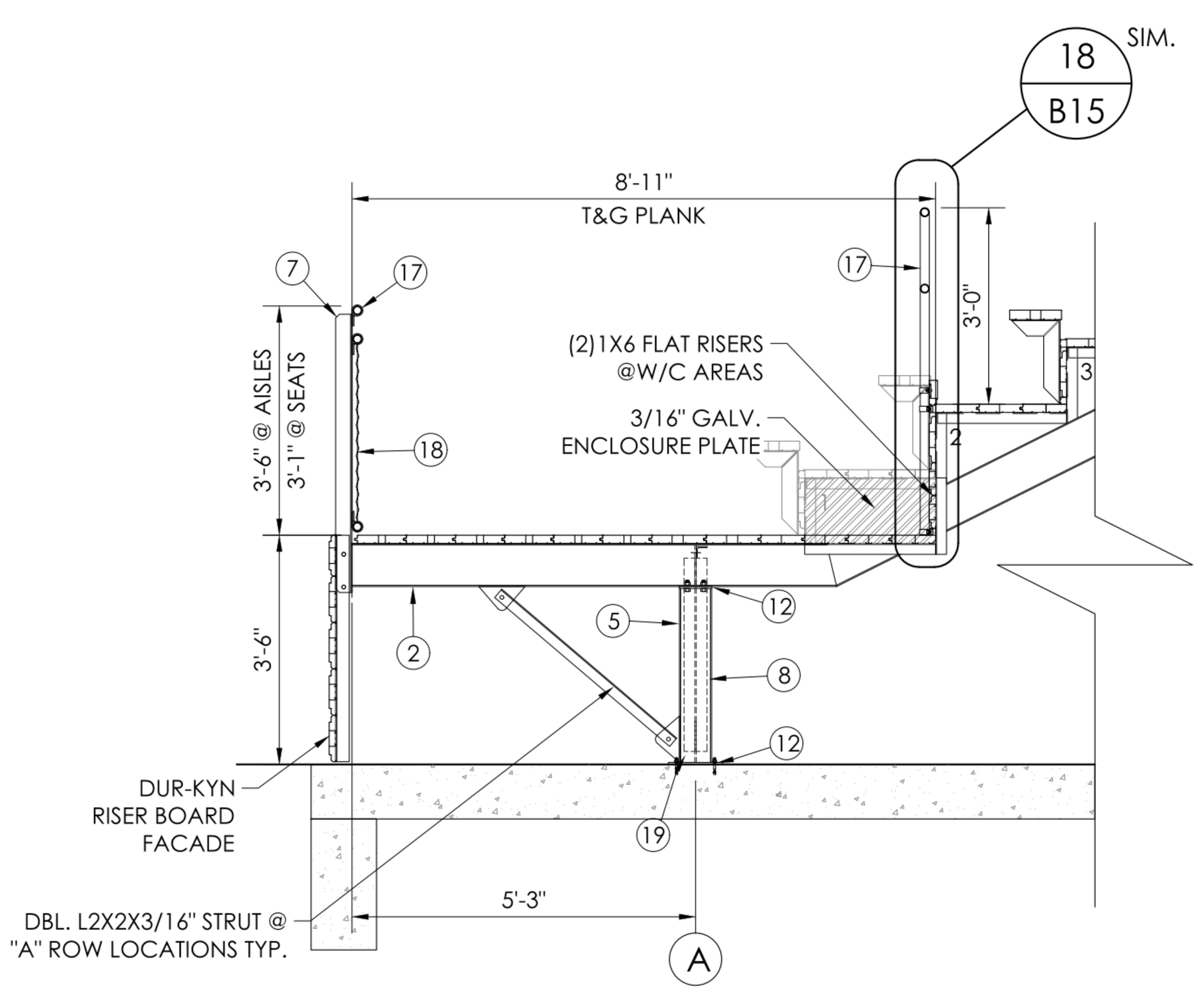
5 B5 PLANK ARRANGEMENT
NOT TO SCALE 12" RISE X 24" TREAD



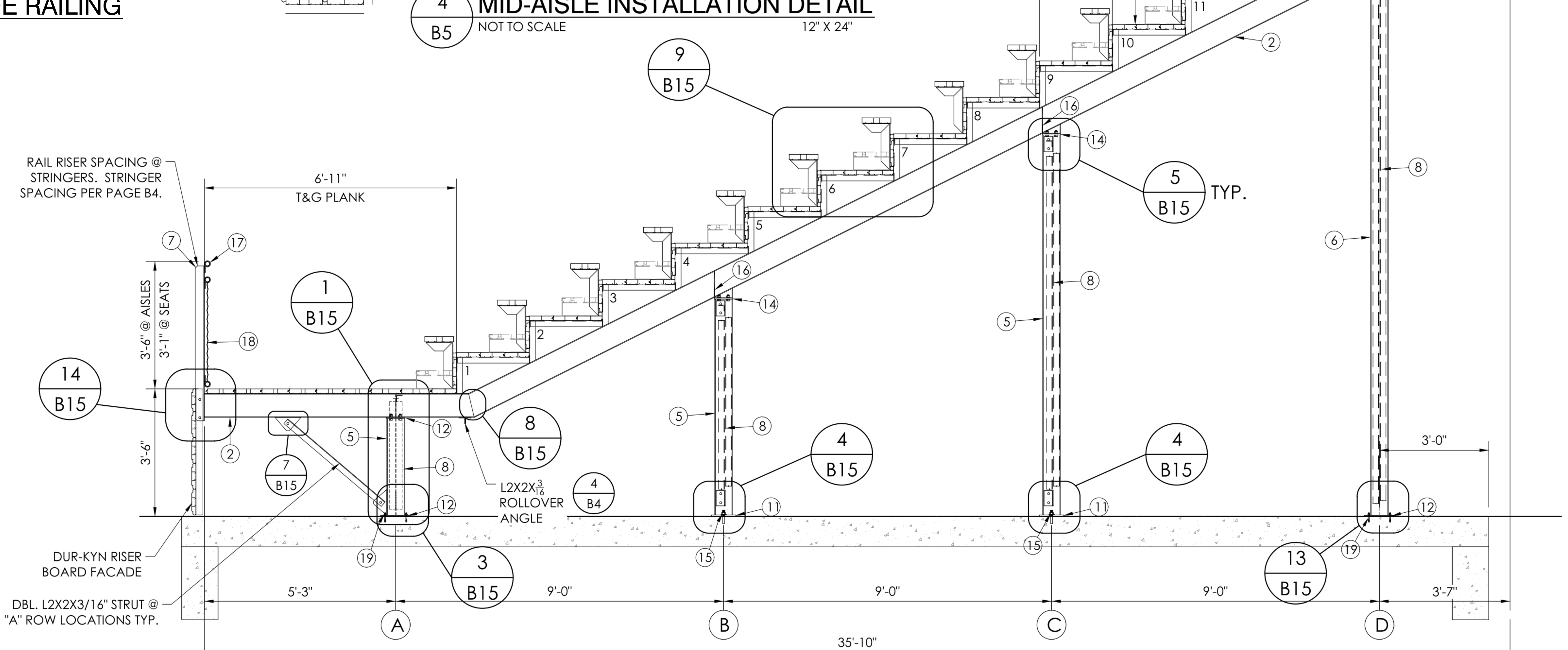
3 B5 TYPICAL SIDE RAILING
NOT TO SCALE



4 B5 MID-AISLE INSTALLATION DETAIL
NOT TO SCALE 12" X 24"



2 B5 SECTION VIEW @ W/C AREAS
SCALE:1/2"=1'-0"



1 B5 SECTION VIEW
SCALE:1/2"=1'-0"

THIS DRAWING AND ALL INFORMATION THEREIN IS THE PROPERTY OF THE SOUTHERN BLEACHER COMPANY, TAYLOR & SYFAN AND IS CONFIDENTIAL AND MUST NOT BE MADE PUBLIC OR COPIED. THIS DRAWING IS LOANED SUBJECT TO RETURN UPON DEMAND AND IS NOT TO BE USED DIRECTLY OR INDIRECTLY IN ANY WAY DETRIMENTAL TO OUR INTERESTS.

TAYLOR & SYFAN STRUCTURAL ENGINEERS

SOUTHERN BLEACHER COMPANY
GRANDSTANDS • BLEACHERS • STADIUMS
PO Box One, Graham, Texas 76450
801 Fifth Street
Phone: 940/549-0733 Fax: 940/549-1365
Established 1946

REGISTERED PROFESSIONAL ENGINEER BRIAN T. DEAN S 6087 Exp. 06/30/23 STRUCTURAL STATE OF CALIFORNIA
Signed 11/30/21
PRINCIPAL

SECTION VIEW
12" RISE X 24" TREAD / (15 ROWS)

SAN PASQUAL VALLEY USD
SAN PASQUAL VALLEY HS
WINTERHAVEN, CA

REV.	BY	DATE	DESCRIPTION
		11/02/21	DSA COMMENTS
		5/2/21	NONE THIS PAGE

DATE	DRAWN	CHECKED
7/15/21	VK	DMC

JOB NUMBER #21268

SHEET B5 OF B15

22" X 34" (11x17 = 1/2 indicated scale)

21268

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 04-120409 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 12/17/2021

Lord Architecture Inc.
11650 Iberia Place, Suite 210
San Diego, CA 92128-2455
858-485-6980, 858-485-1510 fax

SAN PASQUAL VALLEY UNIFIED SCHOOL DISTRICT
SPVHS ATHLETIC FIELDS BLEACHER & RESTROOM REPLACEMENT
676 Baseline Rd, Winterhaven, CA 92283

SAN PASQUAL VALLEY Unified School District

LICENSED ARCHITECT KATHERINE T. LORD No. C 14478 EXP. 02/23 STATE OF CALIFORNIA

Issue Schedule

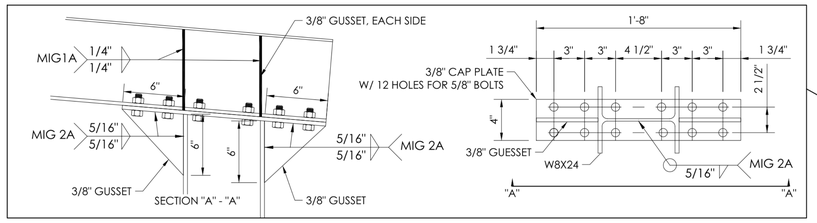
No.	Description	Date
	DSA	9/8/21
	DSA V2	11/3/21
	DSA V3	11/30/21

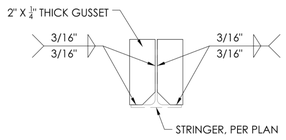
Sheet Title: SECTION VIEW

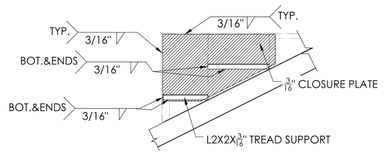
Project Number: 1706-103

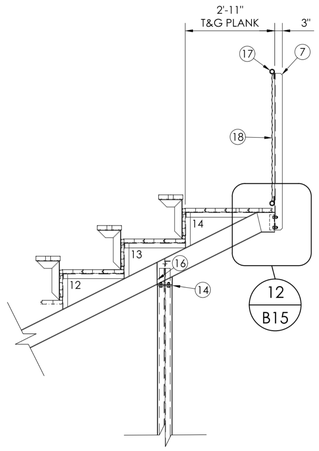
Project Architect: KATHERINE LORD

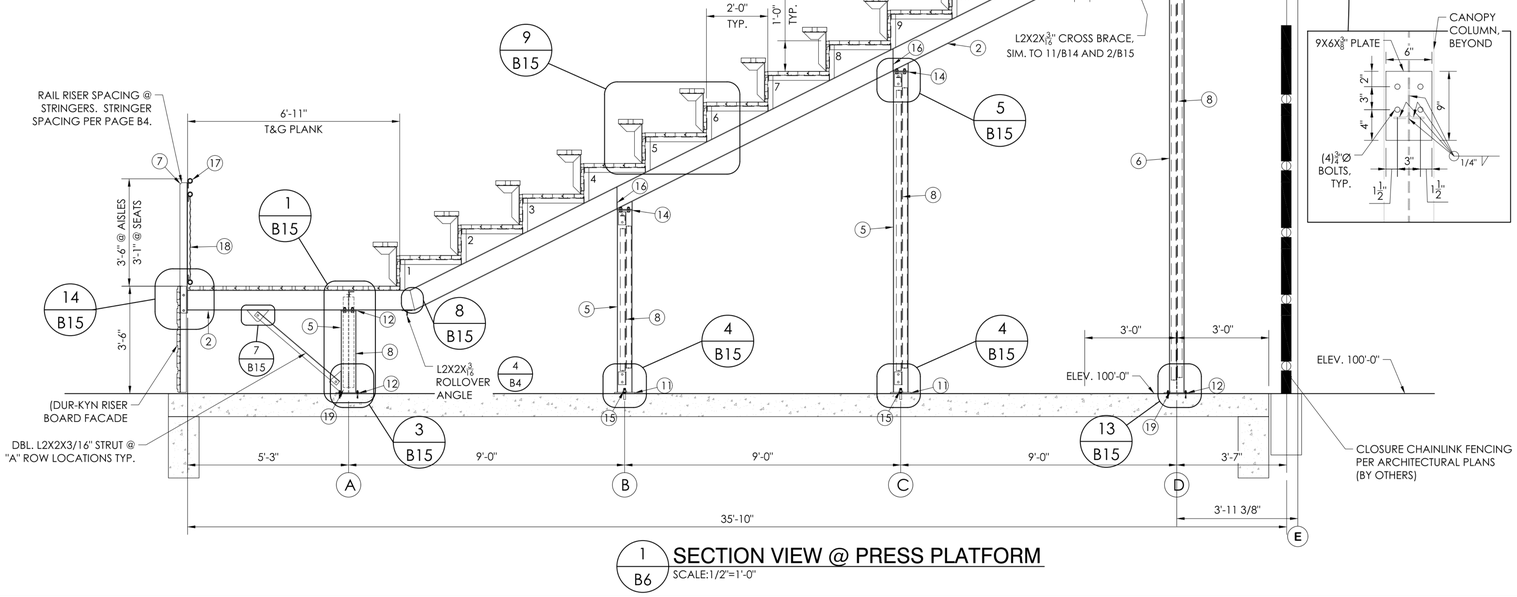
Sheet Number: B5











ITEM DESCRIPTION

①	N/A
②	W 8 X 10 (50 ksi)
③	W 8 X 15 (50 ksi)
④	W 8 X 24 (50 ksi)
⑤	W 6 X 9 (50 ksi)
⑥	W 6 X 15 (50 ksi)
⑦	L 3 X 3 X 1/4 (50 ksi)
⑧	L 2 X 2 X 3/16 (50 ksi)
⑨	L 2 X 1 1/2 X 3/16 (50 ksi)
⑩	L 1 1/2 X 1 1/2 X 3/16 (50 ksi)
⑪	9 X 9 X 3/8 PLATE
⑫	10 X 10 X 3/8 PLATE
⑬	3 X 8 X 3/8 PLATE
⑭	6 X 8 X 3/8 PLATE
⑮	1/2"Ø HILTI KBTZ SS WEDGE ANCHORS (MIN. EMBEDMENT=3 5/8")
⑯	2 X 1/4 GUSSET PLATE (A36); EACH SIDE
⑰	ANODIZED ALUMINUM RAIL
⑱	9 GUAGE CHAINLINK FENCE
⑲	3/4"Ø HILTI KBTZ SS WEDGE ANCHORS (MIN. EMBEDMENT=4 1/2")

ATTACHMENT OF SLATS, SIGNS OR SIMILAR ATTACHMENTS ARE NOT ALLOWED TO OPEN-MESH FENCING

3/B6 DOUBLE SIDED STIFFNER DETAIL
NOT TO SCALE

4/B6 PLATE WELD DETAIL
NOT TO SCALE

1/B6 SECTION VIEW @ PRESS PLATFORM
SCALE:1/2"=1'-0"

2/B6 SECTION VIEW STRINGER 4 & 9
SCALE:1/2"=1'-0"

STRUCTURAL ENGINEERS
CENTRAL COAST OFFICE
Ph: (626) 793-7438
Fax: (626) 793-7439
Toll: (800) 579-3881
553 S. Oak Knoll Ave. Pasadena, CA 91101
http://www.taylorsyfan.com/
TAYLOR & SYFAN

Southern® BLEACHER COMPANY
GRANDSTANDS ▪BLEACHERS ▪STADIUMS
PO Box One, Graham, Texas 76450
801 Fifth Street.
Phone: 940/549-0733 Fax: 940/549-1365
Established 1946

REGISTERED PROFESSIONAL ENGINEER BRIAN T. DEAN
S 6087
Exp. 06/30/23
STRUCTURAL
STATE OF CALIFORNIA
Signed 11/30/21
PRINCIPAL

TYPE
SECTION VIEW
12" RISE X 24" TREAD / (15 ROWS)

TITLE
SAN PASQUAL VALLEY USD
SAN PASQUAL VALLEY HS
WINTERHAVEN, CA

REV	BY	DATE	DESCRIPTION
2	SMR	11/02/21	DSA COMMENTS
1	WMS	9/2/21	DETAIL ADDED

DATE 7/15/21
DRAWN VK
CHECKED DMC
JOB NUMBER #21268
SHEET B6 OF B15

22" X 34" (11x17 = 1/2 indicated scale)

21268

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 04-120409 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 12/17/2021

Lord Architecture Inc.
11650 Iberia Place, Suite 210
San Diego, CA 92128-2455
858-485-6980, 858-485-1510 fax

SAN PASQUAL VALLEY UNIFIED SCHOOL DISTRICT
SPVHS ATHLETIC FIELDS BLEACHER & RESTROOM REPLACEMENT
676 Baseline Rd, Winterhaven, CA 92283

SAN PASQUAL VALLEY
Unified School District

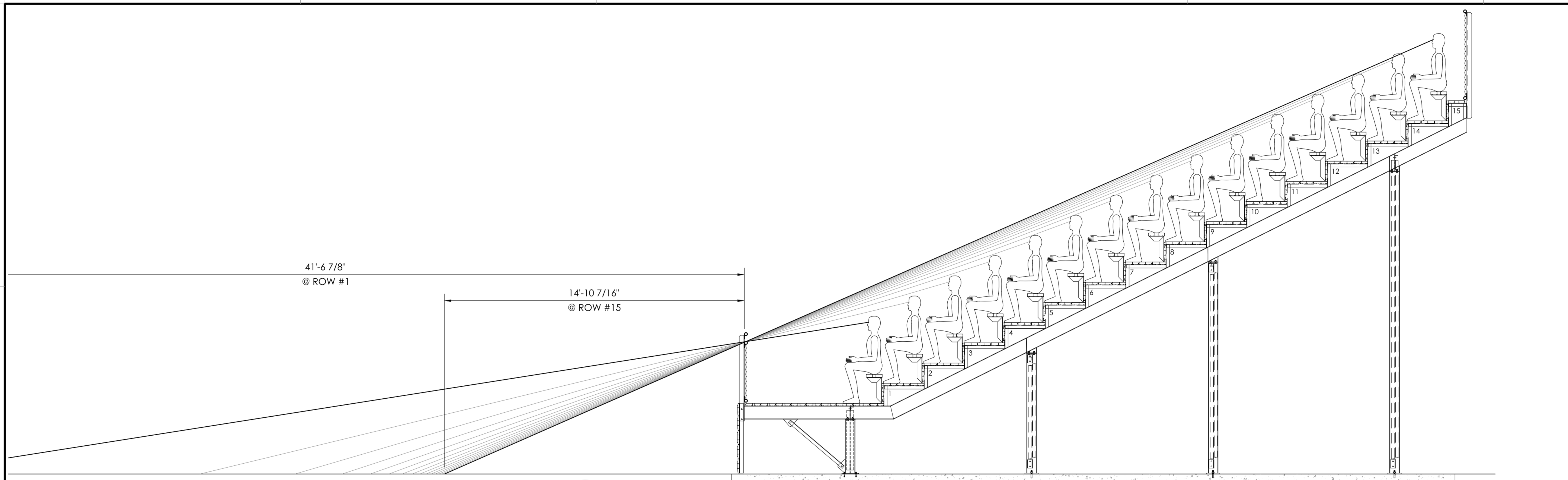
LICENSED ARCHITECT KATHERINE Y. LORD
Katherine Y. Lord
No. C 14478
EXP. 02/23
STATE OF CALIFORNIA

Issue Schedule

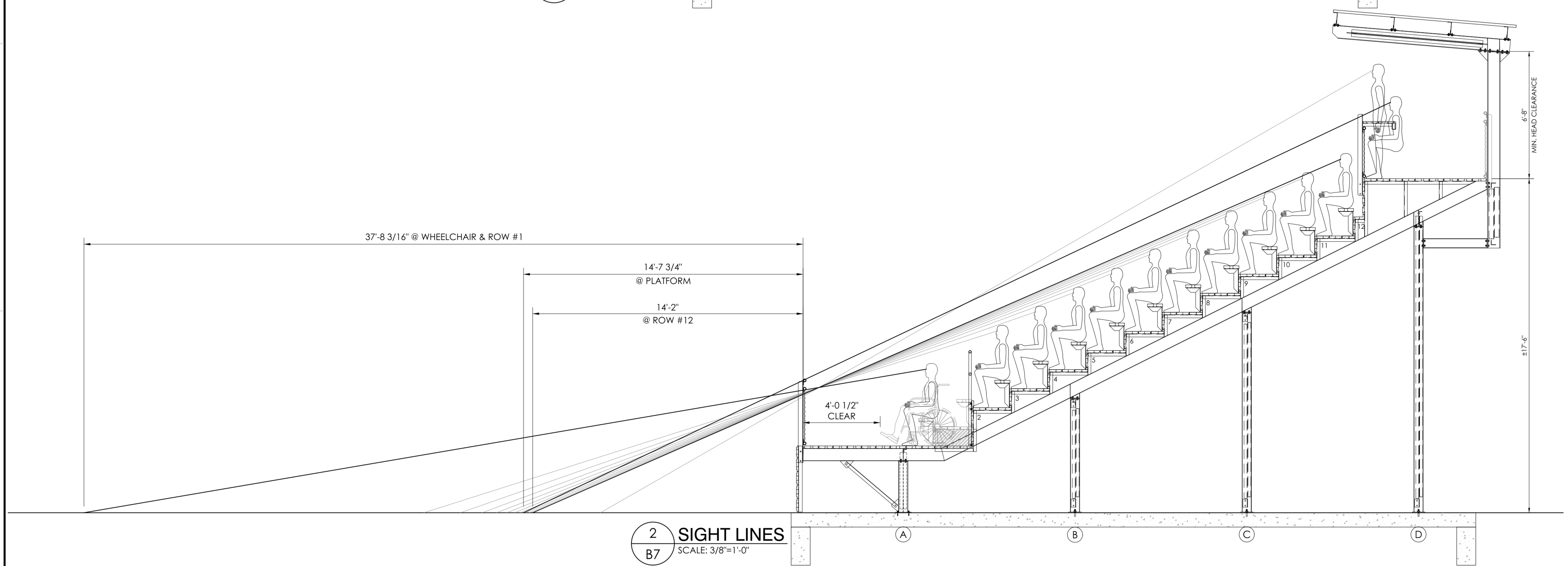
No.	Description	Date
	DSA	9/8/21
	DSA V2	11/3/21
	DSA V3	11/30/21

Sheet Title: SECTION VIEW
Project Architect: KATHERINE LORD
Project Number: 1706-103

Sheet Number:
B6



1 / B7 **SIGHT LINES**
SCALE: 3/8"=1'-0"



2 / B7 **SIGHT LINES**
SCALE: 3/8"=1'-0"

THIS DRAWING AND ALL INFORMATION THEREIN IS THE PROPERTY OF THE SOUTHERN BLEACHER COMPANY. TAYLOR & SYFAN AND IS CONFIDENTIAL AND MUST NOT BE MADE PUBLIC OR COPIED. THIS DRAWING IS LOANED SUBJECT TO RE-TURN UPON DEMAND AND IS NOT TO BE USED DIRECTLY OR INDIRECTLY IN ANY WAY DETRIMENTAL TO OUR INTERESTS.

TAYLOR & SYFAN
STRUCTURAL ENGINEERS

Southern BLEACHER COMPANY
GRANDSTANDS • BLEACHERS • STADIUMS
PO Box One, Graham, Texas 76450
801 Fifth Street
Phone: 940/549-0733 Fax: 940/549-1365
Established 1946

REGISTERED PROFESSIONAL ENGINEER BRIAN T. DEAN
S 6087
Exp. 06/30/23
STRUCTURAL
STATE OF CALIFORNIA
Signed 11/30/21
PRINCIPAL

SIGHT LINES
12" RISE X 24" TREAD / (15 ROWS)

SAN PASQUAL VALLEY USD
SAN PASQUAL VALLEY HS
WINTERHAVEN, CA

REV	BY	DATE	DESCRIPTION
		11/02/21	DSA COMMENTS
		9/2/21	NONE THIS PAGE

DATE	DRAWN	CHECKED
7/15/21	VK	DMC

JOB NUMBER #21268

SHEET B7 OF B15

22" X 34" (11x17 = 1/2 indicated scale)

21268

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 04-120409 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 12/17/2021

Lord Architecture Inc.
11650 Iberia Place, Suite 210
San Diego, CA 92128-2455
858-485-6980, 858-485-1510 fax

SAN PASQUAL VALLEY UNIFIED SCHOOL DISTRICT
SPVHS ATHLETIC FIELDS BLEACHER & RESTROOM REPLACEMENT
676 Baseline Rd, Winterhaven, CA 92283

SAN PASQUAL VALLEY
Unified School District

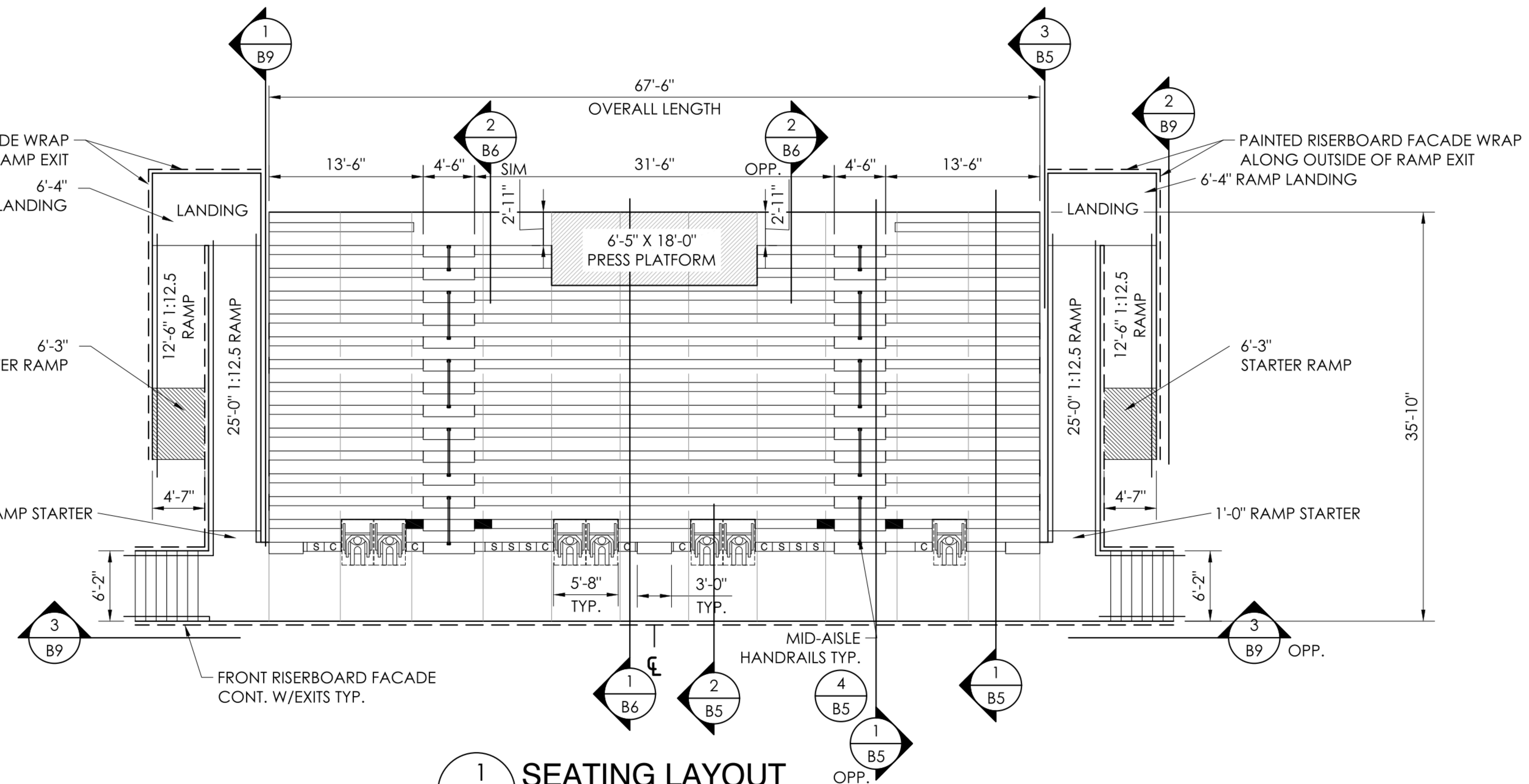
LICENSED ARCHITECT
KATHERINE T. LORD
No. C 14478
EXP. 02/23
STATE OF CALIFORNIA

Issue Schedule

No.	Description	Date
	DSA	9/8/21
	DSA V2	11/3/21
	DSA V3	11/30/21

Sheet Title: SIGHT LINES
Project Architect: KATHERINE LORD
Project Number: 1706-103

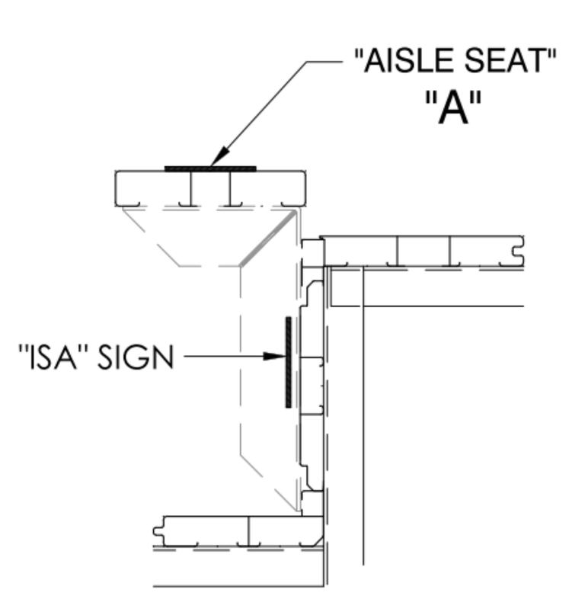
Sheet Number: B7

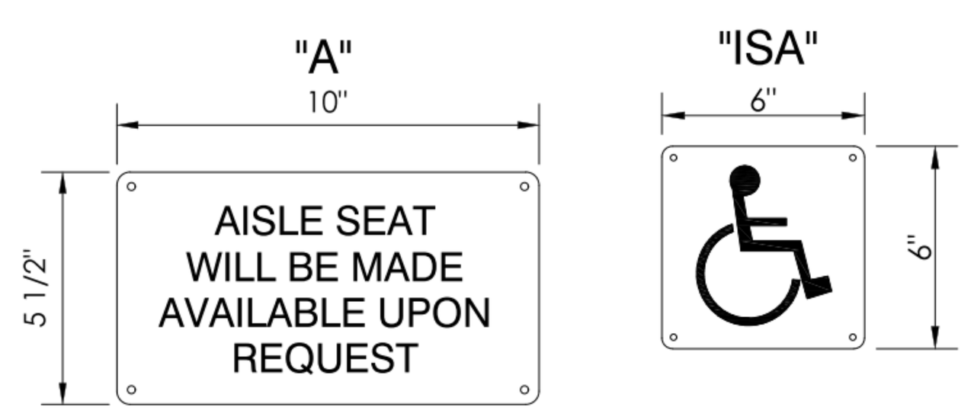


1 / B8 **SEATING LAYOUT**
SCALE:1/8"=1'-0"

480 18" BENCH SEATS
6 33" WHEELCHAIR SPACES
1 36" WHEELCHAIR SPACES
7 COMPANION SEATS = C
7 SEMI-AMBULANT SEATS = S
4 AISLE SEATS = ▬

505 TOTAL SEATING CAPACITY





11B-221.4 DESIGNATED AISLE SEATS
AT LEAST 5 PERCENT OF THE TOTAL NUMBER OF AISLE SEATS PROVIDED SHALL COMPLY WITH SECTION 11B-802.4 AND SHALL BE THE AISLE SEATS CLOSEST TO ACCESSIBLE ROUTES

56 TOTAL AISLE SEATS X 5% = 2.8 AISLE SEATS REQUIRED, 4 PROVIDED

▬ = AISLE SEATS

2 / B8 **DESIGNATED AISLE SEATS**
NOT TO SCALE

SEATING LAYOUT
12" RISE X 24" TREAD / (15 ROWS)

SAN PASQUAL VALLEY USD
SAN PASQUAL VALLEY HS
WINTERHAVEN, CA

TAYLOR & SYFAN — STRUCTURAL ENGINEERS
Southern BLEACHER COMPANY — GRANDSTANDS • BLEACHERS • STADIUMS
PO Box One, Graham, Texas 76450 — 801 Fifth Street — Phone: 940/549-0733 Fax: 940/549-1365 — Established 1946

REV.	BY	DATE	DESCRIPTION
	DMC	11/02/21	DSA COMMENTS
	WMB	9/2/21	RAMP LAYOUT

DATE 7/15/21 — DRAWN VK — CHECKED DMC
JOB NUMBER #21268
SHEET B8 OF B15
22" X 34" (11x17 = 1/2 indicated scale)

21268

IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT
APP: 04-120409 INC:
REVIEWED FOR SS ☑ FLS ☑ ACS ☑
DATE: 12/17/2021

Lord Architecture Inc.
11650 Iberia Place, Suite 210
San Diego, CA 92128-2455
858-485-6980, 858-485-1510 fax

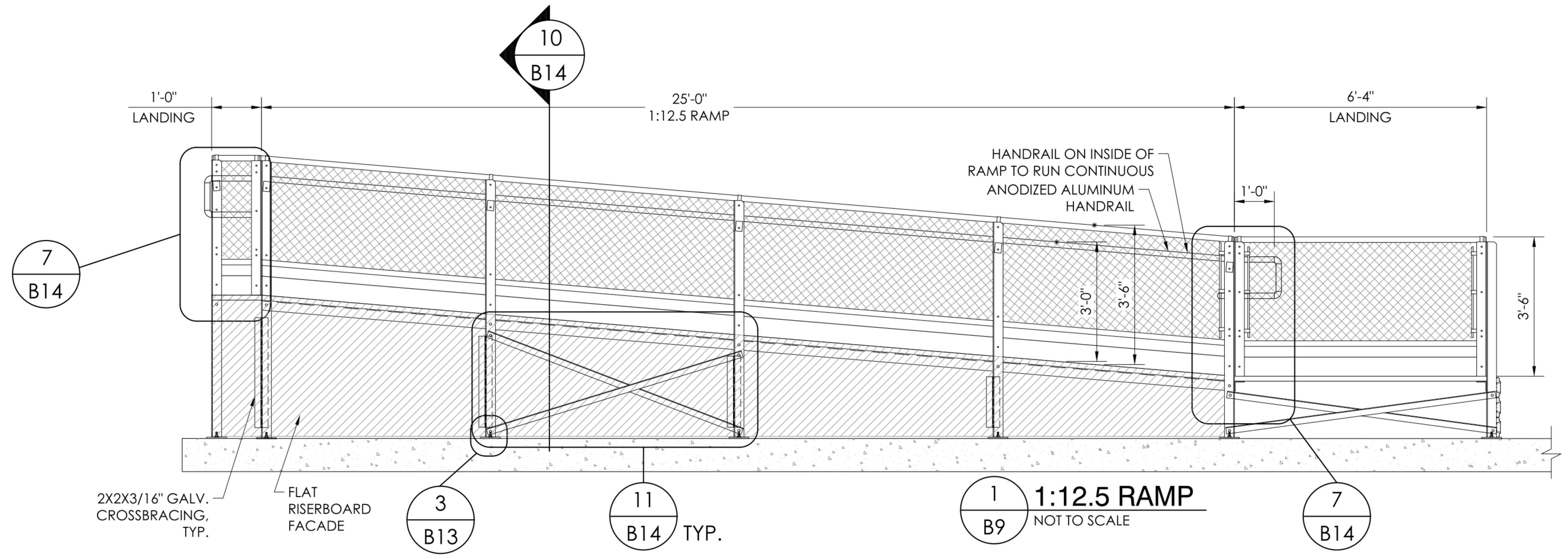
SAN PASQUAL VALLEY UNIFIED SCHOOL DISTRICT
SPVHS ATHLETIC FIELDS BLEACHER & RESTROOM REPLACEMENT
676 Baseline Rd, Winterhaven, CA 92283

SAN PASQUAL VALLEY Unified School District

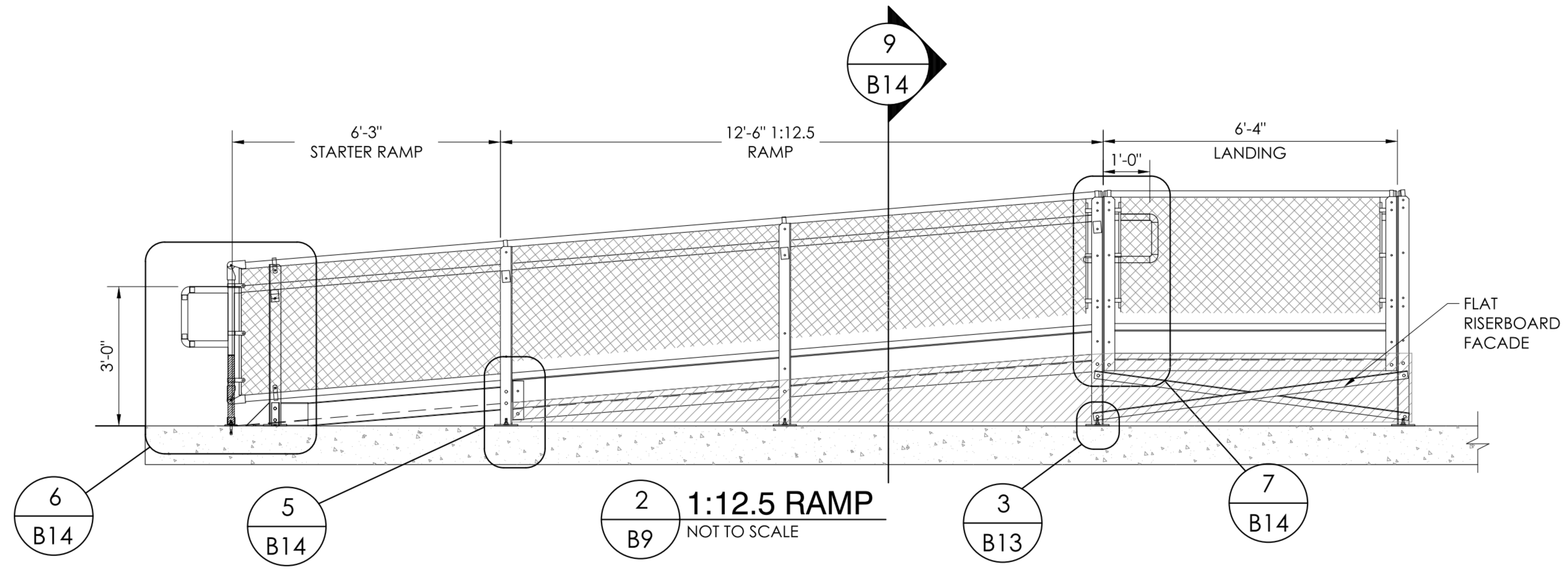
Issue Schedule

No.	Description	Date
	DSA	9/8/21
	DSA V2	11/3/21
	DSA V3	11/30/21

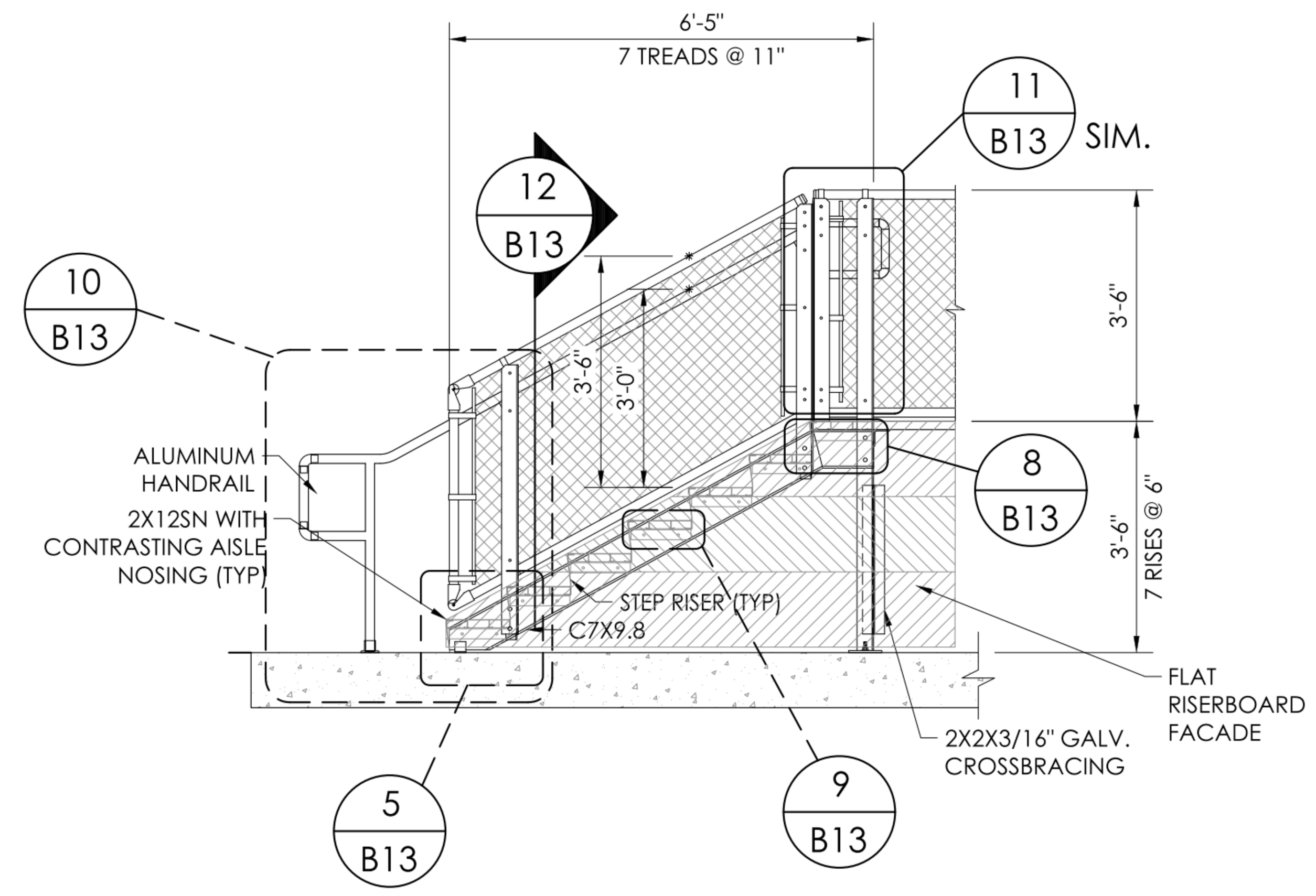
Sheet Title: SEATING LAYOUT
Project Number: 1706-103
Project Architect: KATHERINE LORD
Sheet Number: B8



1 — B9 — 1:12.5 RAMP
NOT TO SCALE



2 — B9 — 1:12.5 RAMP
NOT TO SCALE



3 — B9 — END EXIT DETAIL
SCALE: 1/2"=1'-0"

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 04-120409 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 12/17/2021

Lord Architecture Inc.
11650 Iberia Place, Suite 210
San Diego, CA 92128-2455
858-485-6980, 858-485-1510 fax

SAN PASQUAL VALLEY UNIFIED SCHOOL DISTRICT
SPVHS ATHLETIC FIELDS BLEACHER & RESTROOM REPLACEMENT
676 Baseline Rd, Winterhaven, CA 92283

SAN PASQUAL VALLEY
Unified School District

LICENSED ARCHITECT — KATHERINE T. LORD — No. C 14478 — EXP. 02/23 — STATE OF CALIFORNIA

Issue Schedule

No.	Description	Date
	DSA	9/8/21
	DSA V2	11/3/21
	DSA V3	11/30/21

THIS DRAWING AND ALL INFORMATION THEREIN IS THE PROPERTY OF THE SOUTHERN BLEACHER COMPANY, TAYLOR & SYFAN AND IS CONFIDENTIAL AND MUST NOT BE MADE PUBLIC OR COPIED. THIS DRAWING IS LOANED SUBJECT TO RE-TURN UPON DEMAND AND, IS NOT TO BE USED DIRECTLY OR INDIRECTLY IN ANY WAY DETRIMENTAL TO OUR INTERESTS.

TAYLOR & SYFAN — STRUCTURAL ENGINEERS

Southern BLEACHER COMPANY — GRANDSTANDS • BLEACHERS • STADIUMS
PO Box One, Graham, Texas 76450
801 Fifth Street
Phone: 940/549-0733 Fax: 940/549-1365
Established 1946

REGISTERED PROFESSIONAL ENGINEER — BRIAN T. DEAN — S 6087 — Exp. 06/30/23 — STRUCTURAL — STATE OF CALIFORNIA
Signed 11/30/21
PRINCIPAL

EXITS DETAIL
12" RISE X 24" TREAD / (15 ROWS)

SAN PASQUAL VALLEY USD
SAN PASQUAL VALLEY HS
WINTERHAVEN, CA

DSA COMMENTS
FACADE ADDED

DATE 7/15/21 — DRAWN VK — CHECKED DMC
JOB NUMBER #21268
SHEET B9 OF B15
22" X 34" (11x17 = 1/2 indicated scale)

21268

Sheet Title: EXIT DETAILS
Project Architect: KATHERINE LORD
Project Number: 1706-103
Sheet Number: B9

CBC 2019:
PROVIDE 0.08" WIDTH PER SEAT FOR AISLES & STAIRS:
EQUIVALENT TO 150 PEOPLE PER FOOT.
PROVIDE 0.06" WIDTH PER SEAT FOR RAMPS:
EQUIVALENT TO 200 PEOPLE PER FOOT.

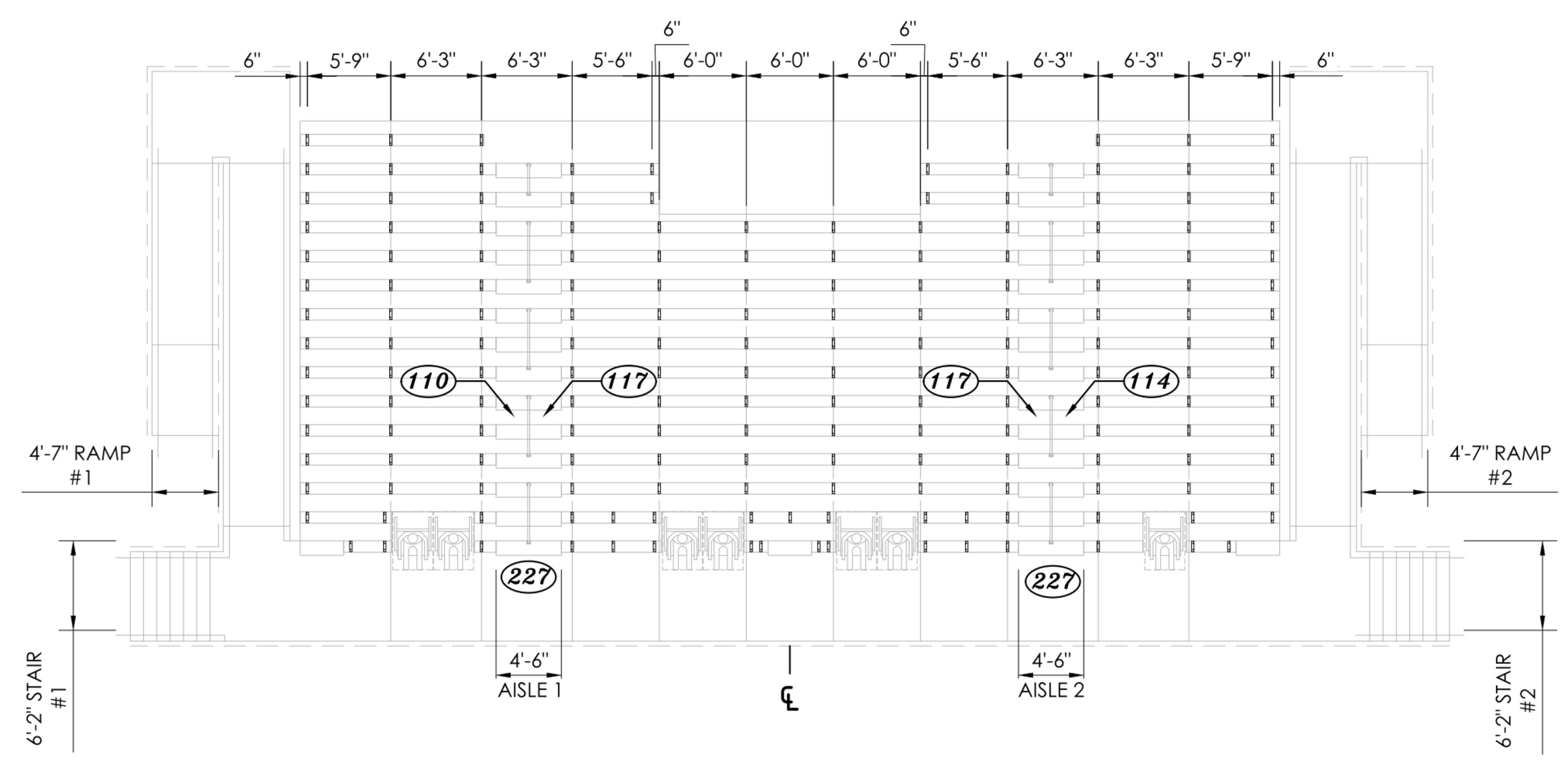
AISLE WIDTH CALCULATIONS:

AISLE #1
REQUIRED AISLE WIDTH = 227 SEATS X 0.08" PER SEAT = 18.16"
AISLE #2
REQUIRED AISLE WIDTH = 231 SEATS X 0.08" PER SEAT = 18.48"
<4'-0" CODE MINIMUM <4'-6" PROVIDED - OK

EXIT WIDTH CALCULATIONS:
STAIRS #1 & #2 @ 6'-2" = 12'-4"
12'-4" TOTAL STAIR EXIT WIDTH

RAMPS #1 & #2 @ 4'-7" = 9'-4"
9'-4" TOTAL RAMP EXIT WIDTH

STAIR EXIT CAPACITY
12'-4" X 150 PEOPLE PER FOOT = 1850 STAIR EXIT CAPACITY FURNISHED
RAMP EXIT CAPACITY
9'-4" X 200 PEOPLE PER FOOT = 1866 RAMP EXIT CAPACITY FURNISHED
3716 TOTAL EXIT CAPACITY
(ACTUAL CAPACITY 505)

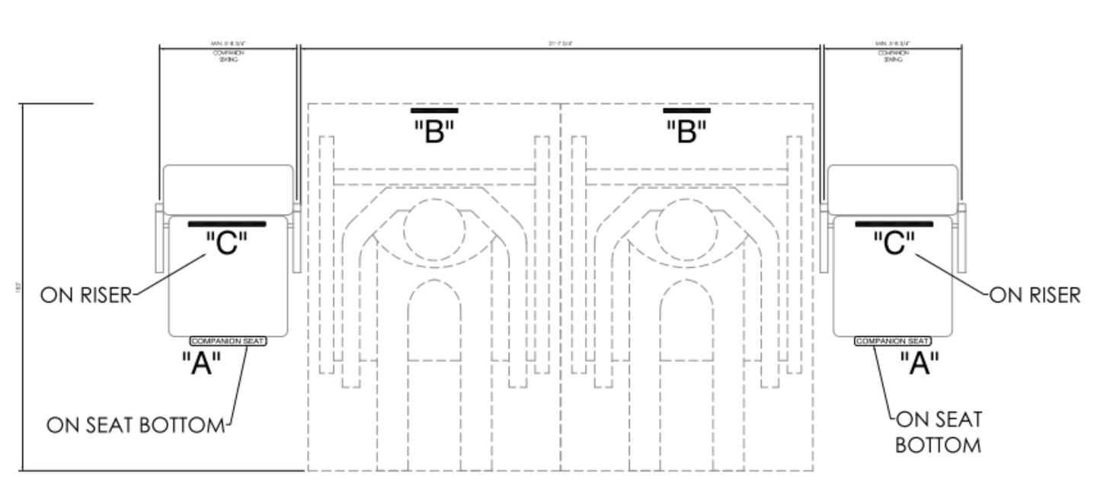


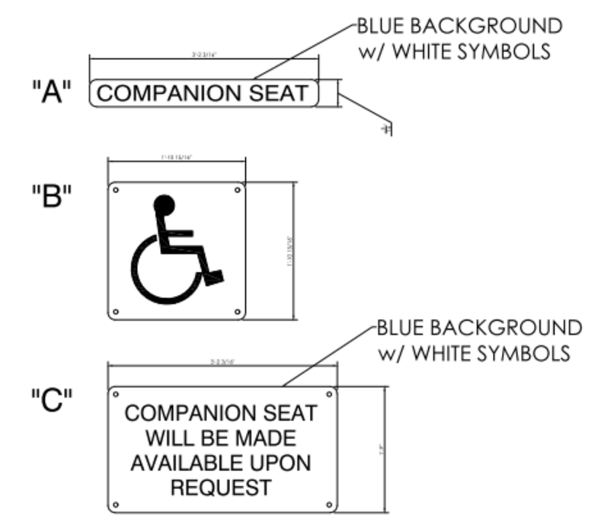
1 B10 **SEAT BRACKET LAYOUT**
SCALE:1/8"=1'-0"

(*) *SEATING PER SECTION*

= 177 "L" BRACKETS (12" X 24" JIG)

AT STAND SEATING w/ CHAIRS
DOUBLE W/C SPACE

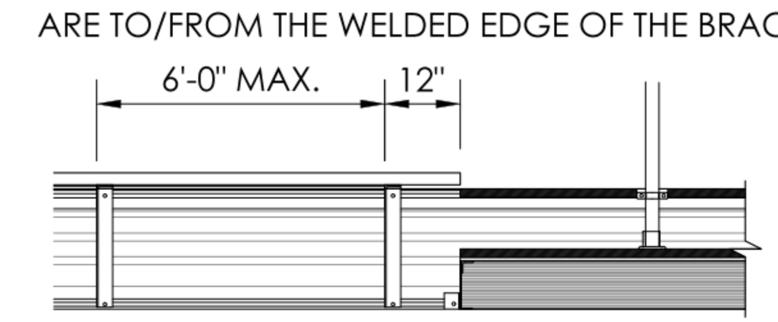




SIGNAGE TYP. @ WHEELCHAIR AREAS
A = COMPANION: 1 3/16" X 10" PLASTIC
B = ACCESSIBLE: 6" X 6" 0.040 ALUM.
C = COMPANION: 5 1/2" X 10" 0.040 ALUM.

2 B10 **SIGN DETAIL**
NOT TO SCALE

NOTE:
ALL DIMENSIONS SHOWN ON SEATS BRACKET LAYOUT ARE TO/FROM THE WELDED EDGE OF THE BRACKET



3 B10 **SEAT BRACKET SPACING**
NOT TO SCALE

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 04-120409 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 12/17/2021

Lord Architecture Inc.
11650 Iberia Place, Suite 210
San Diego, CA 92128-2455
858-485-6980, 858-485-1510 fax

SAN PASQUAL VALLEY UNIFIED SCHOOL DISTRICT
SPVHS ATHLETIC FIELDS BLEACHER & RESTROOM REPLACEMENT
676 Baseline Rd, Winterhaven, CA 92283

TAYLOR & SYFAN STRUCTURAL ENGINEERS
553 S. Oak Knoll Ave. Pasadena, CA 91101
Southern BLEACHER COMPANY
GRANDSTANDS • BLEACHERS • STADIUMS
PO Box One, Graham, Texas 76450
801 Fifth Street
Phone: 940/549-0733 Fax: 940/549-1365
Established 1946

REGISTERED PROFESSIONAL ENGINEER BRIAN T. DEAN S 6087 Exp. 06/30/23 STRUCTURAL STATE OF CALIFORNIA
Signed 11/30/21
PRINCIPAL

SEAT BRACKET LAYOUT
12" RISE X 24" TREAD / (15 ROWS)

SAN PASQUAL VALLEY USD
SAN PASQUAL VALLEY HS
WINTERHAVEN, CA

REV.	BY	DATE	DESCRIPTION
		11/02/21	DSA COMMENTS
		9/2/21	NONE THIS PAGE

DATE	DRAWN	CHECKED
7/15/21	VK	DMC

JOB NUMBER #21268

SHEET B10 OF B15

22" X 34" (11x17 = 1/2 indicated scale)

21268

SAN PASQUAL VALLEY Unified School District

LICENSED ARCHITECT KATHERINE T. LORD No. C 14478 EXP. 02/23 STATE OF CALIFORNIA

Issue Schedule

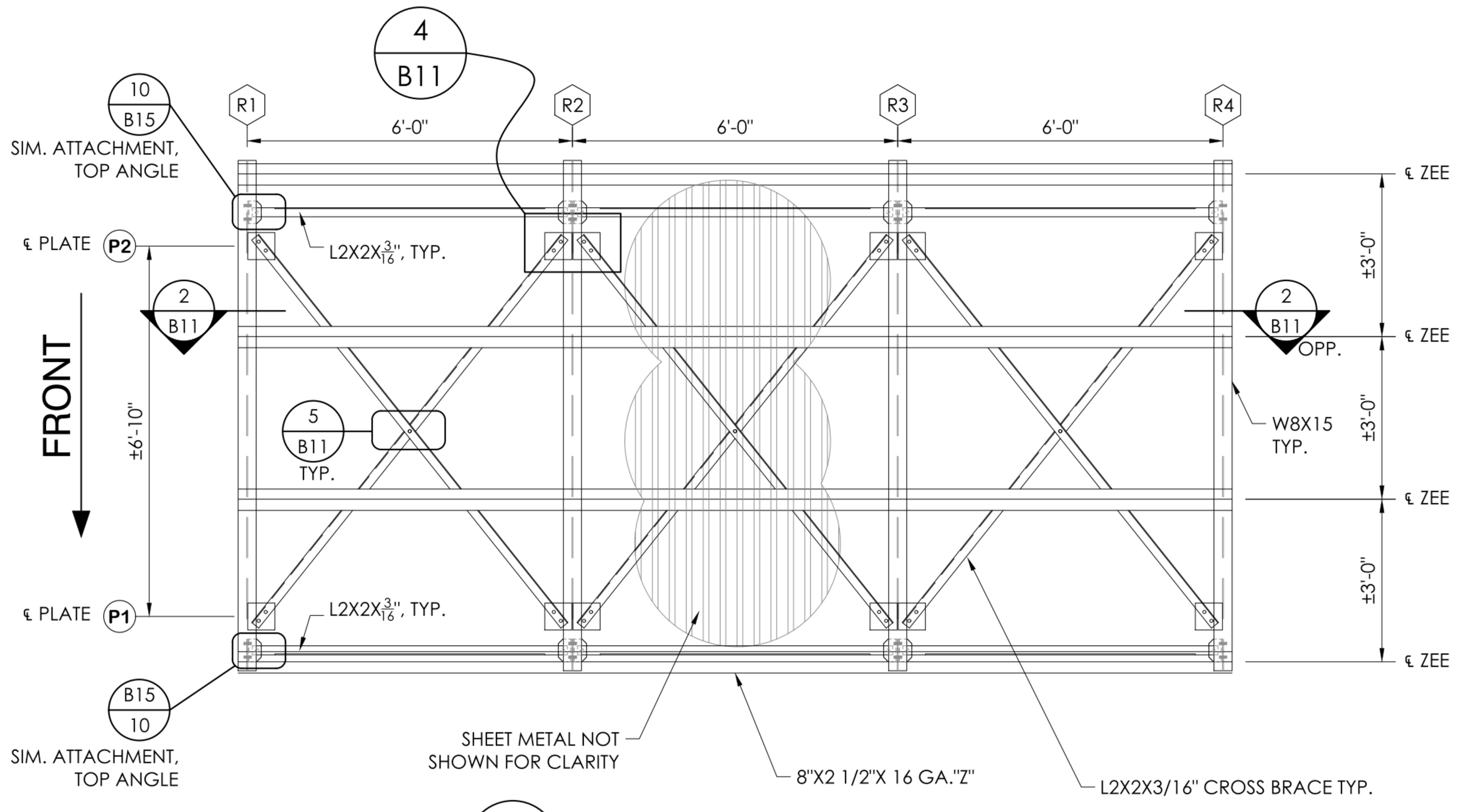
No.	Description	Date
	DSA	9/8/21
	DSA V2	11/3/21
	DSA V3	11/30/21

Sheet Title: SEAT BRACKET LAYOUT
Project Number: 1706-103
Project Architect: KATHERINE LORD

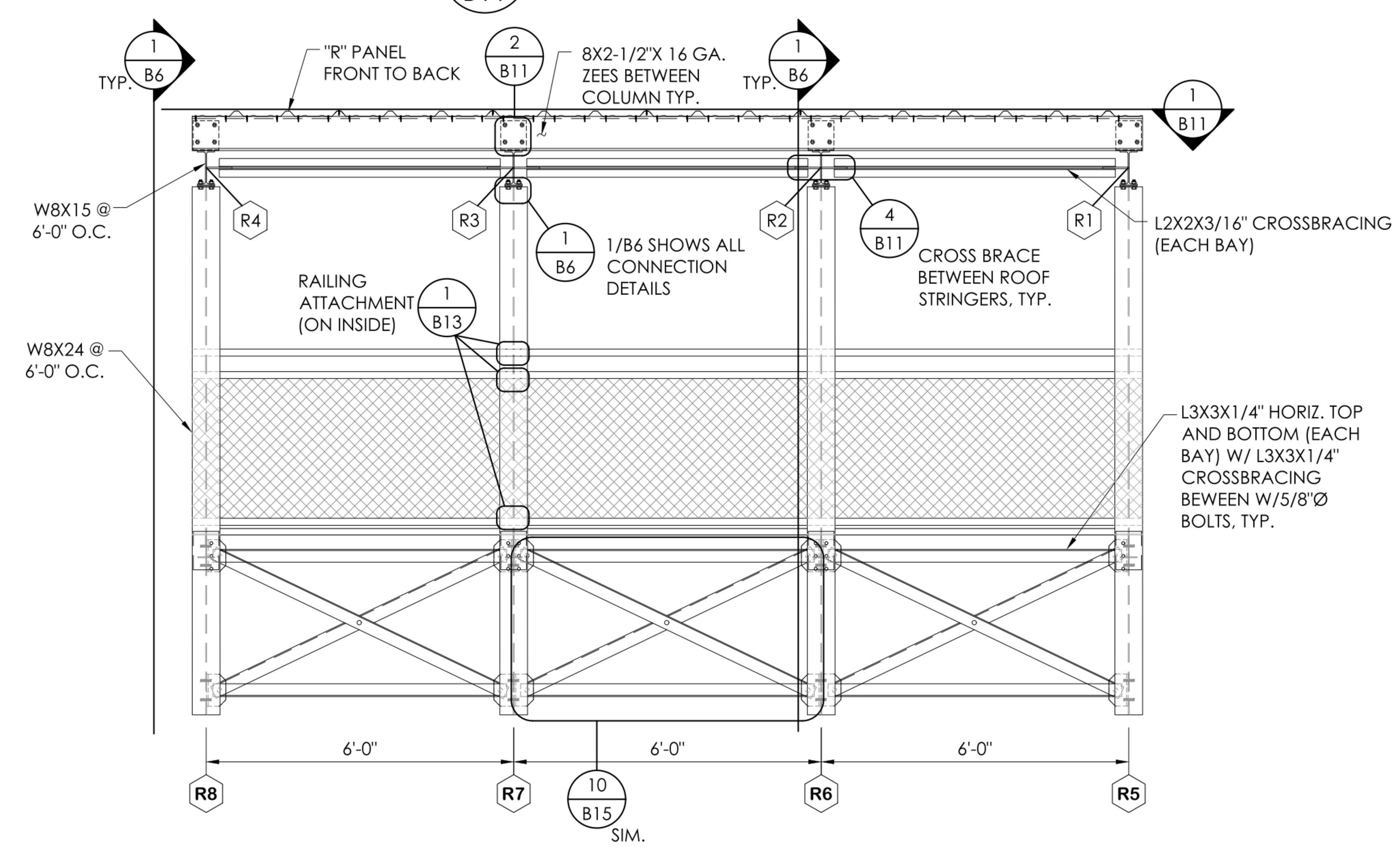
Sheet Number: B10

Lord Architecture Inc.
11650 Iberia Place, Suite 210
San Diego, CA 92128-2455
858-485-6980, 858-485-1510 fax

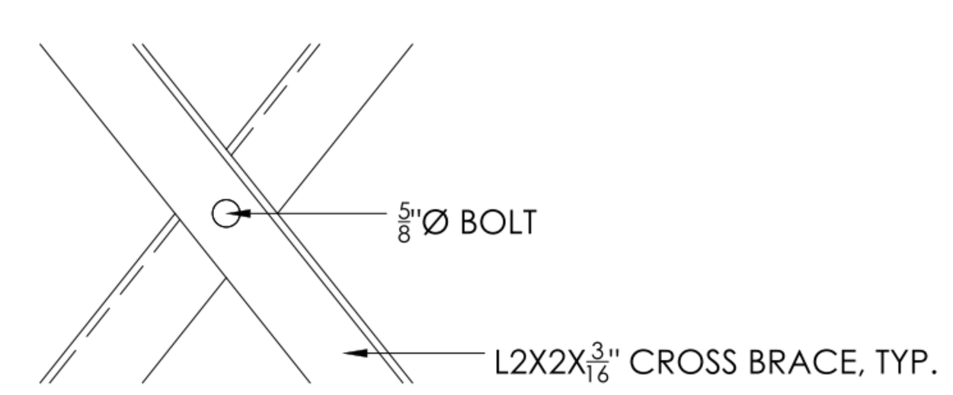
SAN PASQUAL VALLEY UNIFIED SCHOOL DISTRICT
SPVHS ATHLETIC FIELDS BLEACHER & RESTROOM REPLACEMENT
676 Baseline Rd, Winterhaven, CA 92283



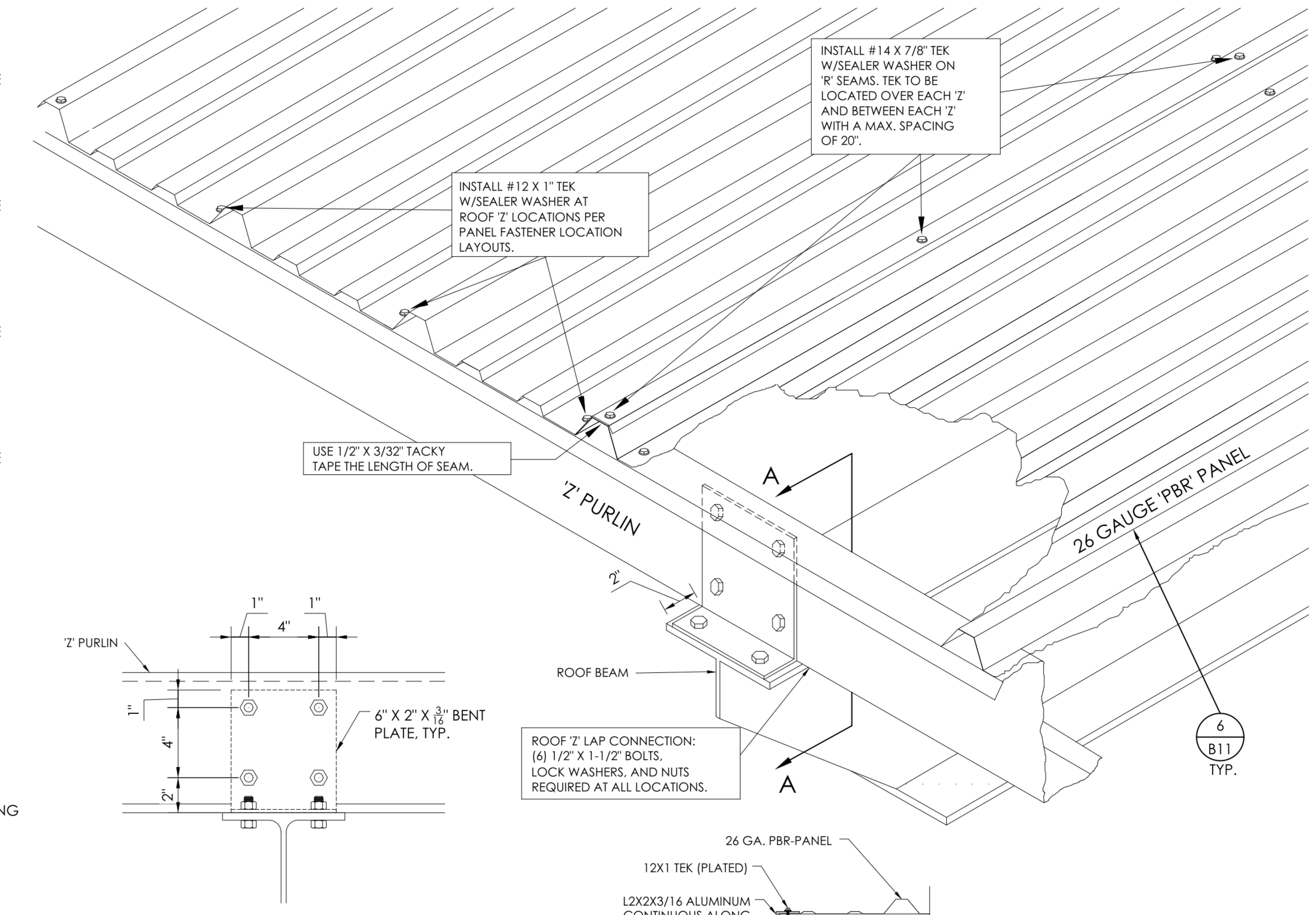
1 B11 **CANOPY LAYOUT** SCALE: 1/2"=1'-0" (PLAN VIEW)

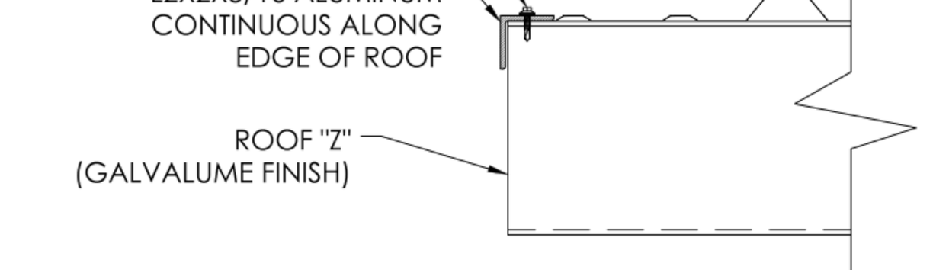


3 B11 **REAR ELEVATION VIEW @ ROOF CANOPY AREA** SCALE:1/2"=1'-0" (ELEVATION VIEW)

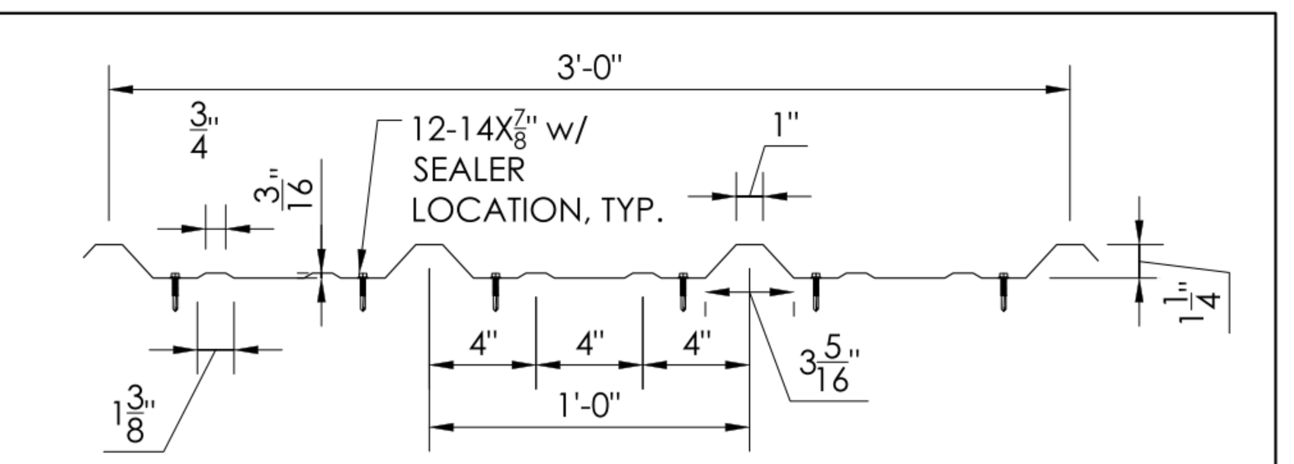


5 B11 **CENTER BOLT @ CROSS BRACE** NOT TO SCALE





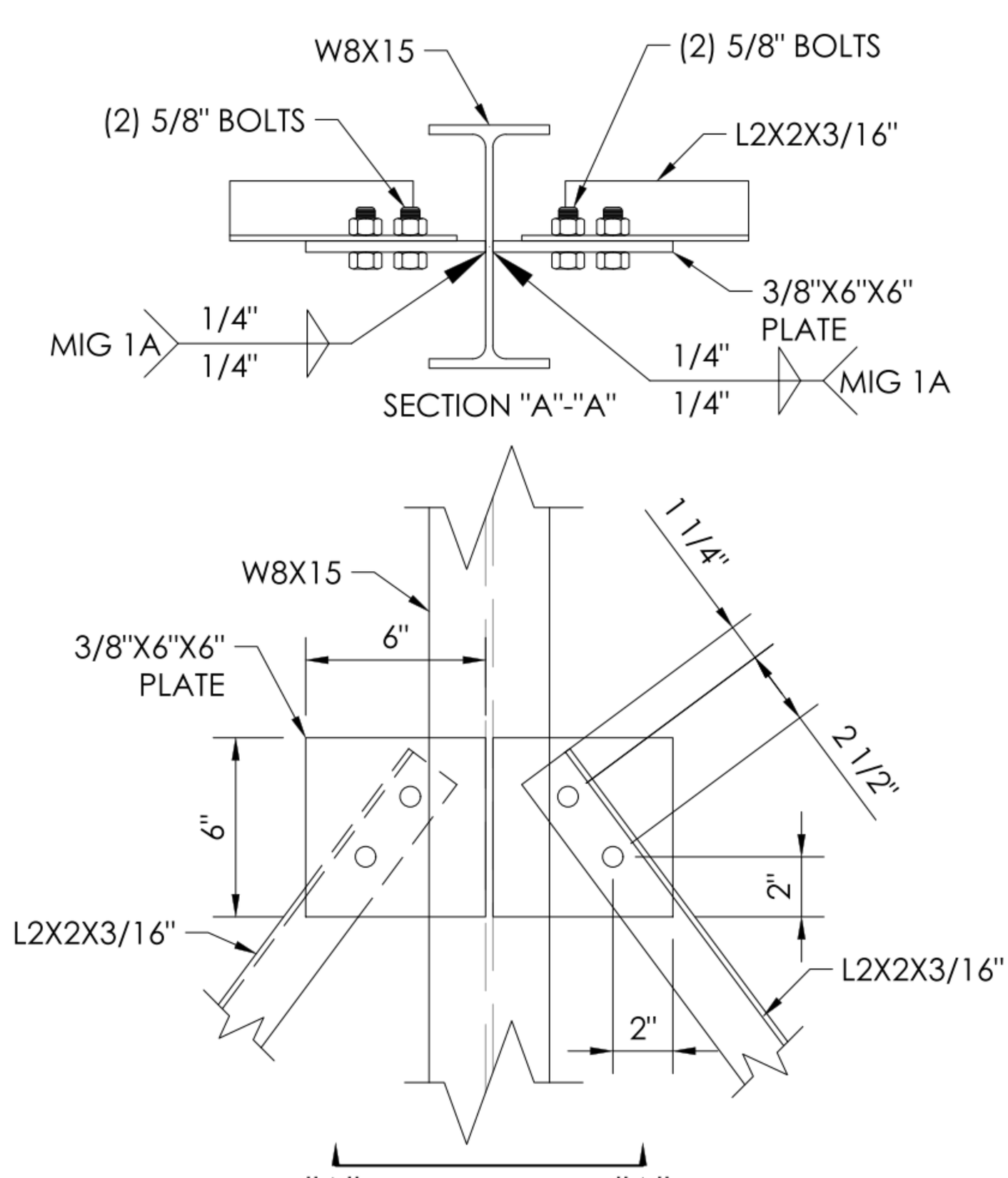
2 B11 **PBR-PANEL TO PURLIN ATTACHMENT** NOT TO SCALE



SECTION PROPERTIES								
			NEGATIVE BENDING			POSITIVE BENDING		
PANEL GAUGE	Fy (KSI)	WEIGHT (PSF)	Ixe (IN.4/FT.)	Sxe (IN.3/FT.)	Maxo (KIP-IN.)	Ixe (IN.4/FT.)	Sxe (IN.3/FT.)	Maxo (KIP-IN.)
26	60*	0.94	0.0309	0.0449	1.8019	0.0382	0.0381	1.6759

*Fy IS 80 ksi REDUCED TO 60 ksi IN ACCORDANCE WITH THE 2016 EDITION OF THE NORTH AMERICAN SPECIFICATION FOR DESIGN OF COLD-FORMED STEEL STRUCTURAL MEMBERS, - A3.1.3 (UL-263 CLASS A)

6 B11 **"R" PANEL DETAIL** NOT TO SCALE



4 B11 **CONNECTION DETAIL** NOT TO SCALE

TAYLOR & SYFAN STRUCTURAL ENGINEERS
553 S. Oak Knoll Ave. Pasadena, CA 91101

Southern BLEACHER COMPANY
GRANDSTANDS • BLEACHERS • STADIUMS
PO Box One, Graham, Texas 76450
801 Fifth Street,
Phone: 940/549-0733 Fax: 940/549-1365
Established 1946

REGISTERED PROFESSIONAL ENGINEER BRIAN T. DEAN S 6087 Exp. 06/30/23 STRUCTURAL STATE OF CALIFORNIA
Signed 11/30/21
PRINCIPAL

ROOF CANOPY DETAILS
12" RISE X 24" TREAD / (15 ROWS)

SAN PASQUAL VALLEY USD
SAN PASQUAL VALLEY HS
WINTERHAVEN, CA

REV.	BY	DATE	DESCRIPTION
	DMC	11/02/21	DSA COMMENTS
	WMS	9/2/21	NONE THIS PAGE

DATE 7/15/21 | DRAWN VK | CHECKED DMC
JOB NUMBER #21268
SHEET B11 OF B15

22" X 34" (11x17 = 1/2 indicated scale)

21268

SAN PASQUAL VALLEY Unified School District

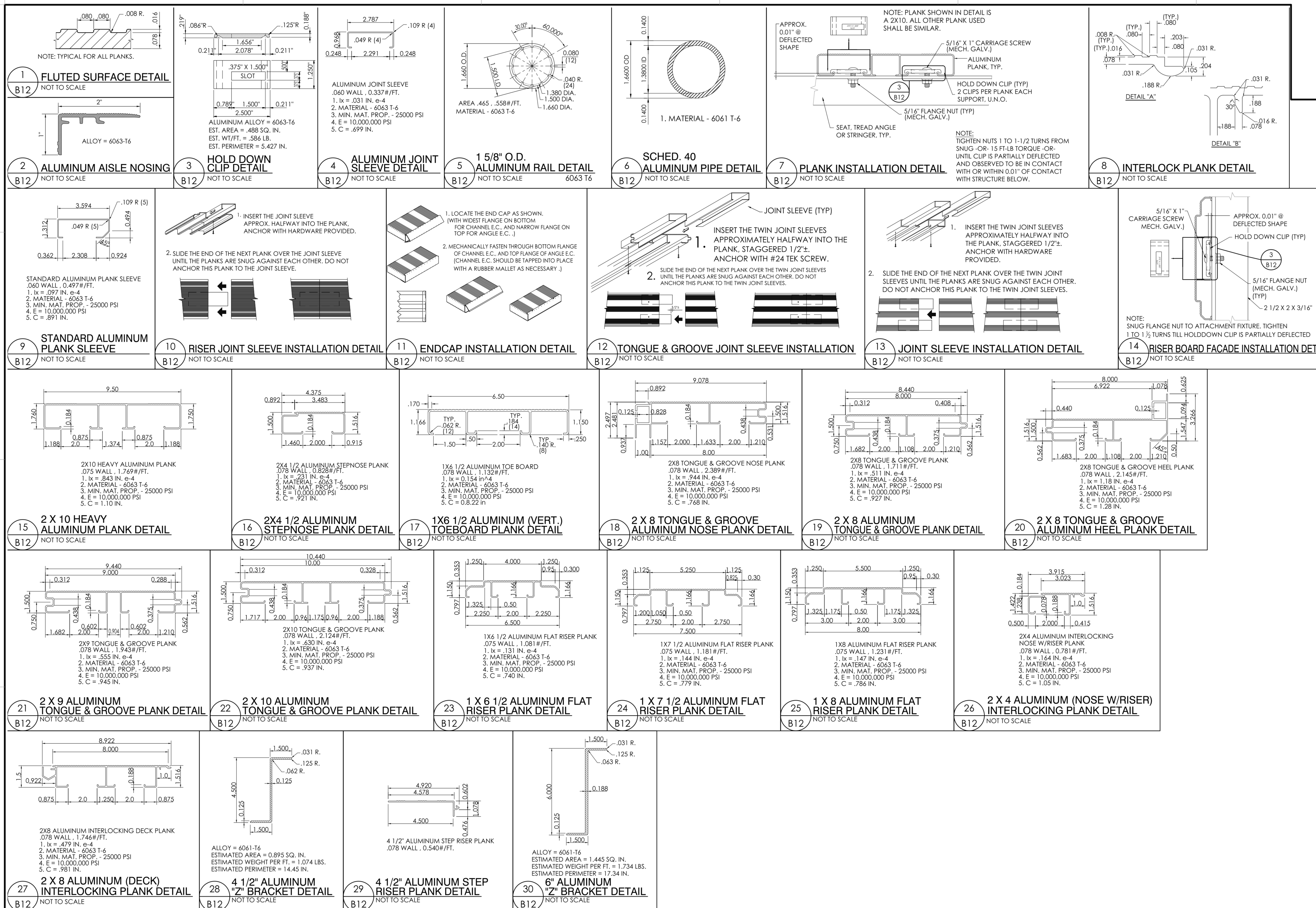
LICENSED ARCHITECT KATHERINE T. LORD No. C 14478 EXP. 02/23 STATE OF CALIFORNIA

Issue Schedule

No.	Description	Date
	DSA	9/8/21
	DSA V2	11/3/21
	DSA V3	11/30/21

Sheet Title: ROOF CANOPY DETAILS
Project Number: 1706-103
Project Architect: KATHERINE LORD

Sheet Number: B11



IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 04-120409 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 12/17/2021

Lord Architecture Inc.
11650 Iberia Place, Suite 210
San Diego, CA 92128-2455
858-485-6980, 858-485-1510 fax

SAN PASQUAL VALLEY UNIFIED SCHOOL DISTRICT
SPVHS ATHLETIC FIELDS BLEACHER & RESTROOM REPLACEMENT
676 Baseline Rd, Winterhaven, CA 92283

STRUCTURAL ENGINEERS
TAYLOR & SYFAN
553 S. Oak Knoll Ave. Pasadena, CA 91101
Southern BLEACHER COMPANY
PO Box One, Graham, Texas 76450
801 Fifth Street
Phone: 940/549-0733 Fax: 940/549-1365
Established 1946
GRANDSTANDS • BLEACHERS • STADIUMS

REGISTERED PROFESSIONAL ENGINEER BRIAN T. DEAN S 6087 Exp. 06/30/23 STRUCTURAL STATE OF CALIFORNIA
Signed 11/30/21 PRINCIPAL

PLANK DETAILS
12" RISE X 24" TREAD / (15 ROWS)
SAN PASQUAL VALLEY USD
SAN PASQUAL VALLEY HS
WINTERHAVEN, CA

REV. BY	DATE	DESCRIPTION
	11/02/21	DSA COMMENTS
	5/2/21	NONE THIS PAGE

DATE	DRAWN	CHECKED
7/15/21	VK	DMC

JOB NUMBER #21268
SHEET B12 OF B15
22" X 34" (11x17 = 1/2 indicated scale)
21268

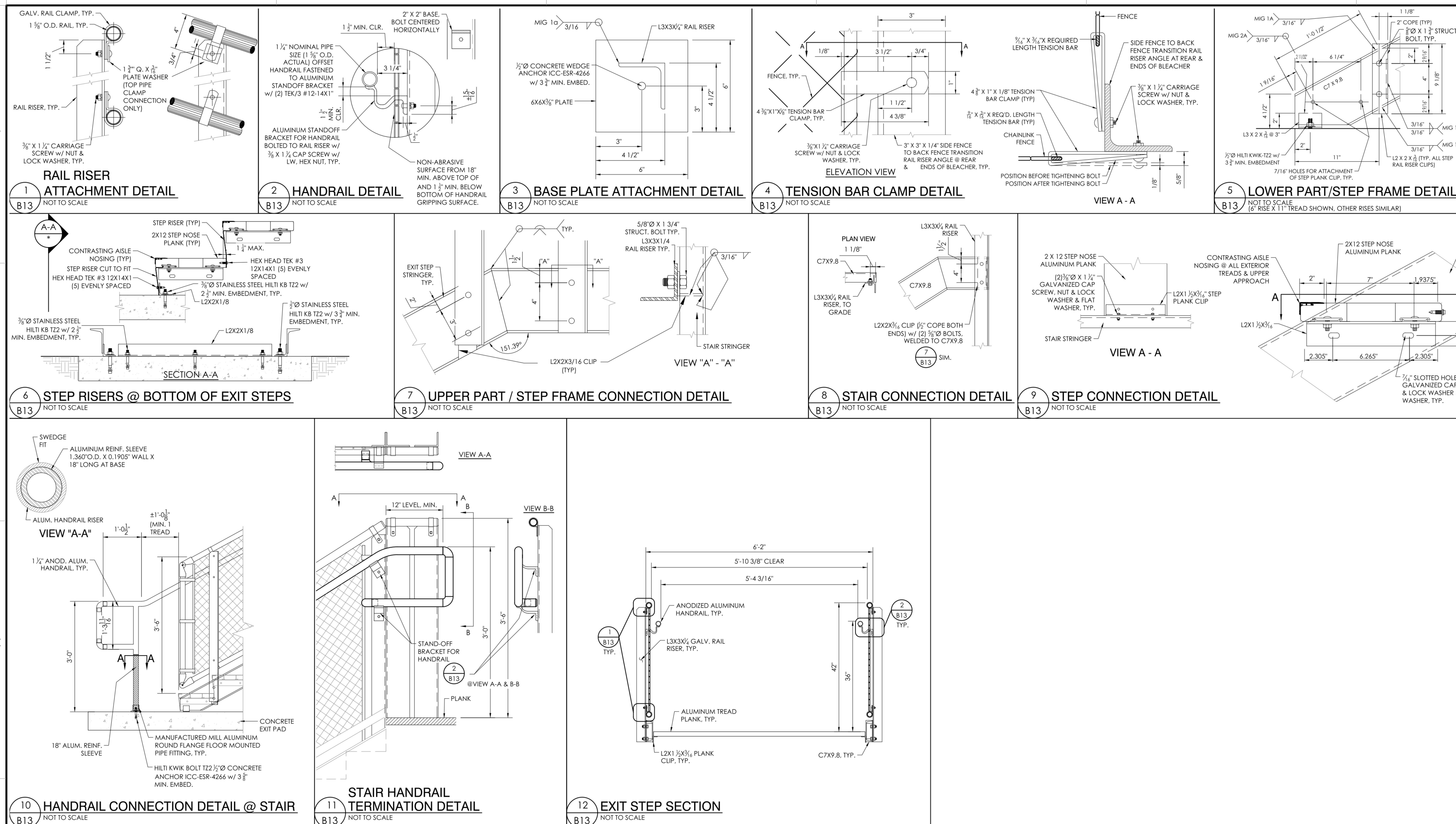
SAN PASQUAL VALLEY Unified School District

LICENSED ARCHITECT KATHERINE J. LORD No. C 14478 EXP. 02/23 STATE OF CALIFORNIA

Issue Schedule

No.	Description	Date
	DSA	9/8/21
	DSA V2	11/3/21
	DSA V3	11/30/21

Sheet Title: PLANK DETAILS
Project Number: 1706-103
Project Architect: KATHERINE LORD
Sheet Number: B12



1 B13 RAIL RISER ATTACHMENT DETAIL — NOT TO SCALE

2 B13 HANDRAIL DETAIL — NOT TO SCALE

3 B13 BASE PLATE ATTACHMENT DETAIL — NOT TO SCALE

4 B13 TENSION BAR CLAMP DETAIL — NOT TO SCALE

5 B13 LOWER PART/STEP FRAME DETAIL — NOT TO SCALE (6" RISE X 11" TREAD SHOWN, OTHER RISES SIMILAR)

6 B13 STEP RISERS @ BOTTOM OF EXIT STEPS — NOT TO SCALE

7 B13 UPPER PART / STEP FRAME CONNECTION DETAIL — NOT TO SCALE

8 B13 STAIR CONNECTION DETAIL — NOT TO SCALE

9 B13 STEP CONNECTION DETAIL — NOT TO SCALE

10 B13 HANDRAIL CONNECTION DETAIL @ STAIR — NOT TO SCALE

11 B13 STAIR HANDRAIL TERMINATION DETAIL — NOT TO SCALE

12 B13 EXIT STEP SECTION — NOT TO SCALE

THIS DRAWING AND ALL INFORMATION THEREIN IS THE PROPERTY OF THE SOUTHERN BLEACHER COMPANY. TAYLOR & SYFAN AND IS CONFIDENTIAL AND MUST NOT BE MADE PUBLIC OR COPIED. THIS DRAWING IS LOANED SUBJECT TO RE-TURN UPON DEMAND AND, IS NOT TO BE USED DIRECTLY OR INDIRECTLY IN ANY WAY DETRIMENTAL TO OUR INTERESTS.

TAYLOR & SYFAN — STRUCTURAL ENGINEERS

Southern BLEACHER COMPANY — GRANDSTANDS • BLEACHERS • STADIUMS — Established 1946

PO Box One, Graham, Texas 76450 — 801 Fifth Street — Phone: 940/549-0733 Fax: 940/549-1365

EXIT DETAILS — 12" RISE X 24" TREAD / (15 ROWS)

SAN PASQUAL VALLEY USD
SAN PASQUAL VALLEY HS
WINTERHAVEN, CA

DATE 7/15/21 — DRAWN VK — CHECKED DMC

JOB NUMBER #21268

SHEET B13 OF B15

21268

22" X 34" (11x17 = 1/2 indicated scale)

IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT
APP: 04-120409 INC:
REVIEWED FOR SS ☑ FLS ☑ ACS ☑
DATE: 12/17/2021

Lord Architecture Inc.
11650 Iberia Place, Suite 210
San Diego, CA 92128-2455
858-485-6980, 858-485-1510 fax

SAN PASQUAL VALLEY UNIFIED SCHOOL DISTRICT
SPVHS ATHLETIC FIELDS BLEACHER & RESTROOM REPLACEMENT
676 Baseline Rd, Winterhaven, CA 92283

SAN PASQUAL VALLEY Unified School District

LICENSED ARCHITECT — KATHERINE T. LORD — No. C 14478 — EXP. 02/23 — STATE OF CALIFORNIA

Issue Schedule

No.	Description	Date
	DSA	9/8/21
	DSA V2	11/3/21
	DSA V3	11/30/21

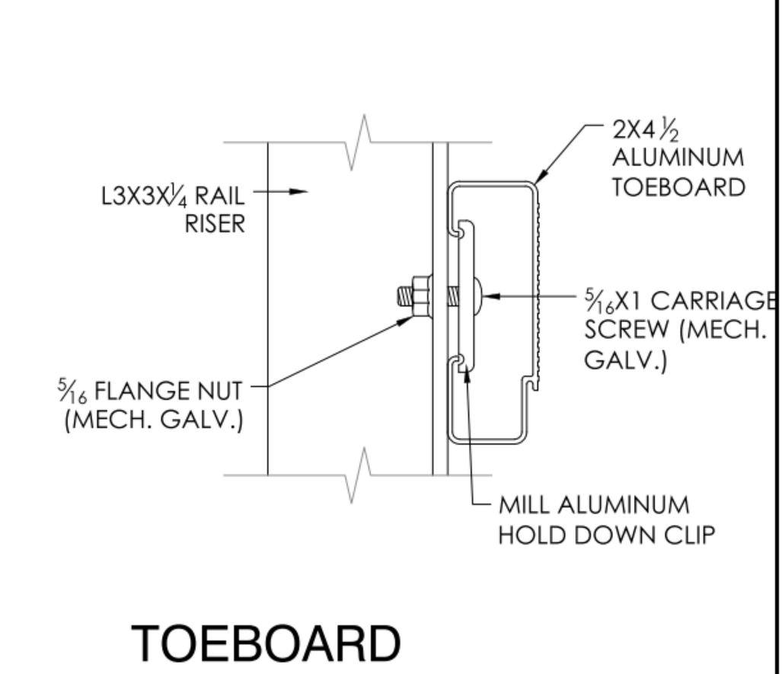
Sheet Title: EXIT DETAILS

Project Number: 1706-103

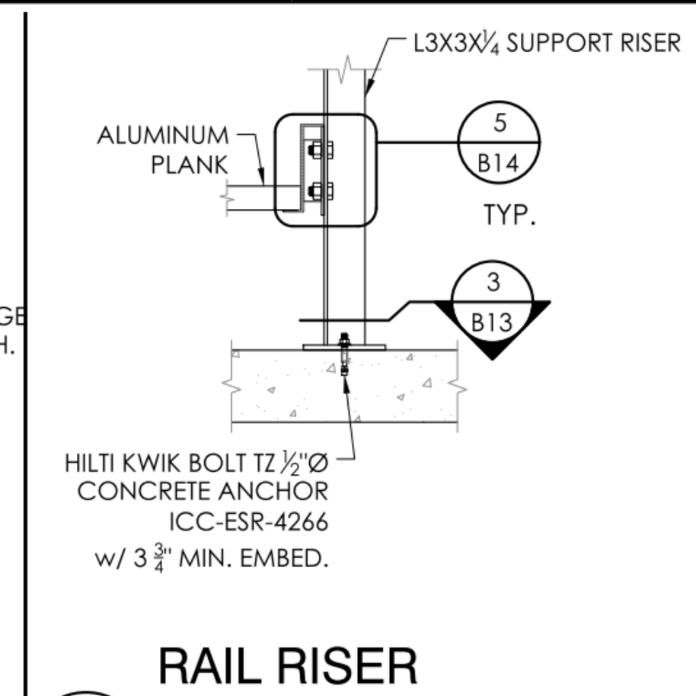
Project Architect: KATHERINE LORD

Sheet Number: B13

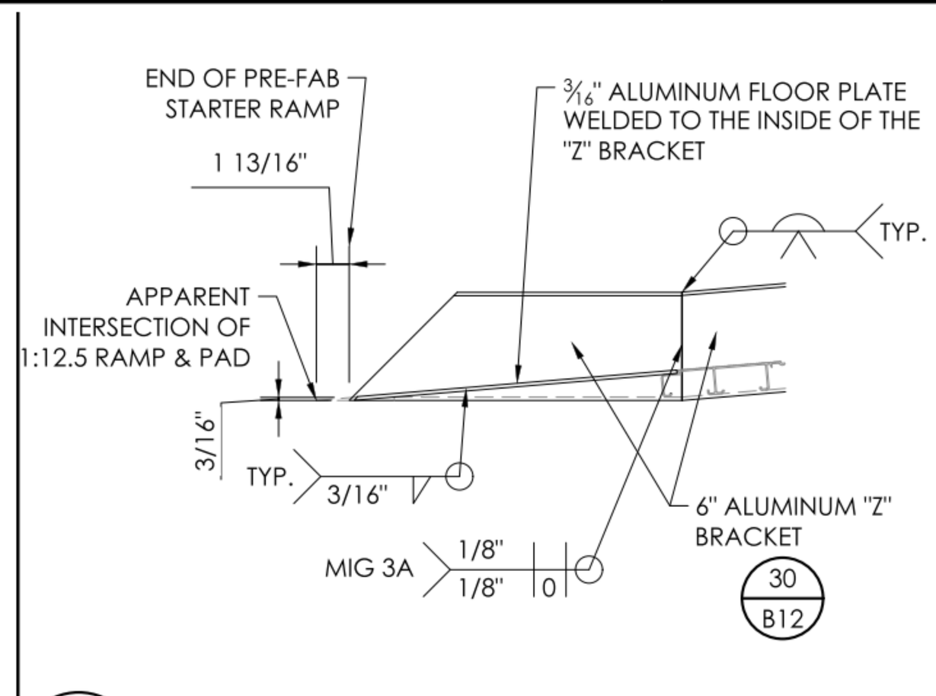
1 | 2 | 3 | 4 | 5 | 6



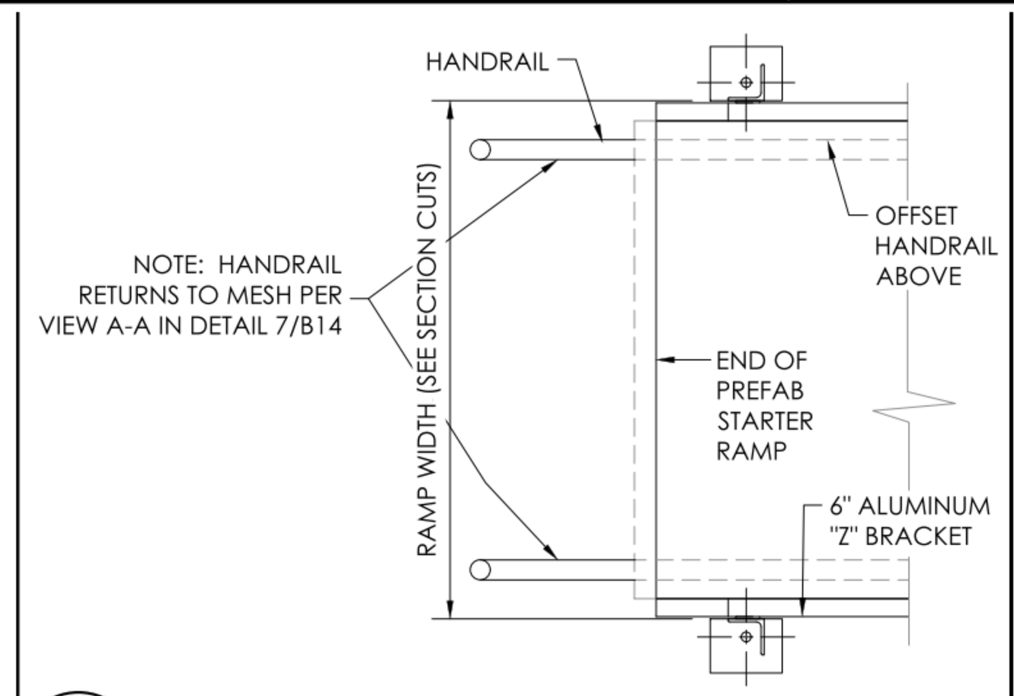
1 B14 TOEBOARD ATTACHMENT DETAIL
NOT TO SCALE



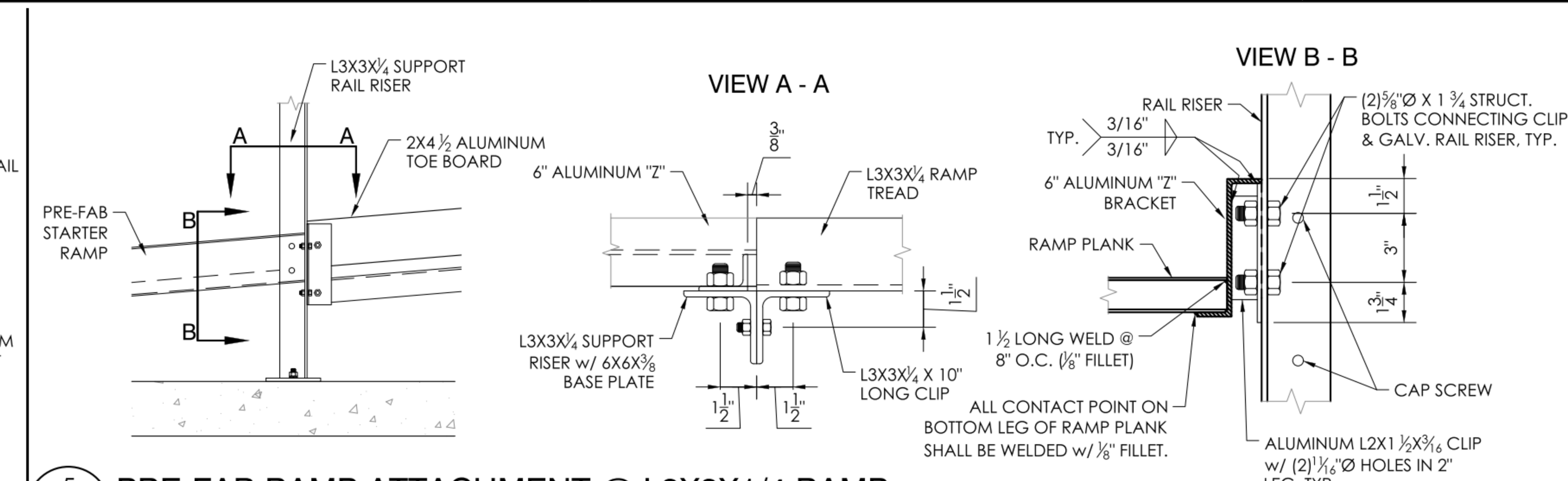
2 B14 RAIL RISER CONNECTION DETAIL
NOT TO SCALE



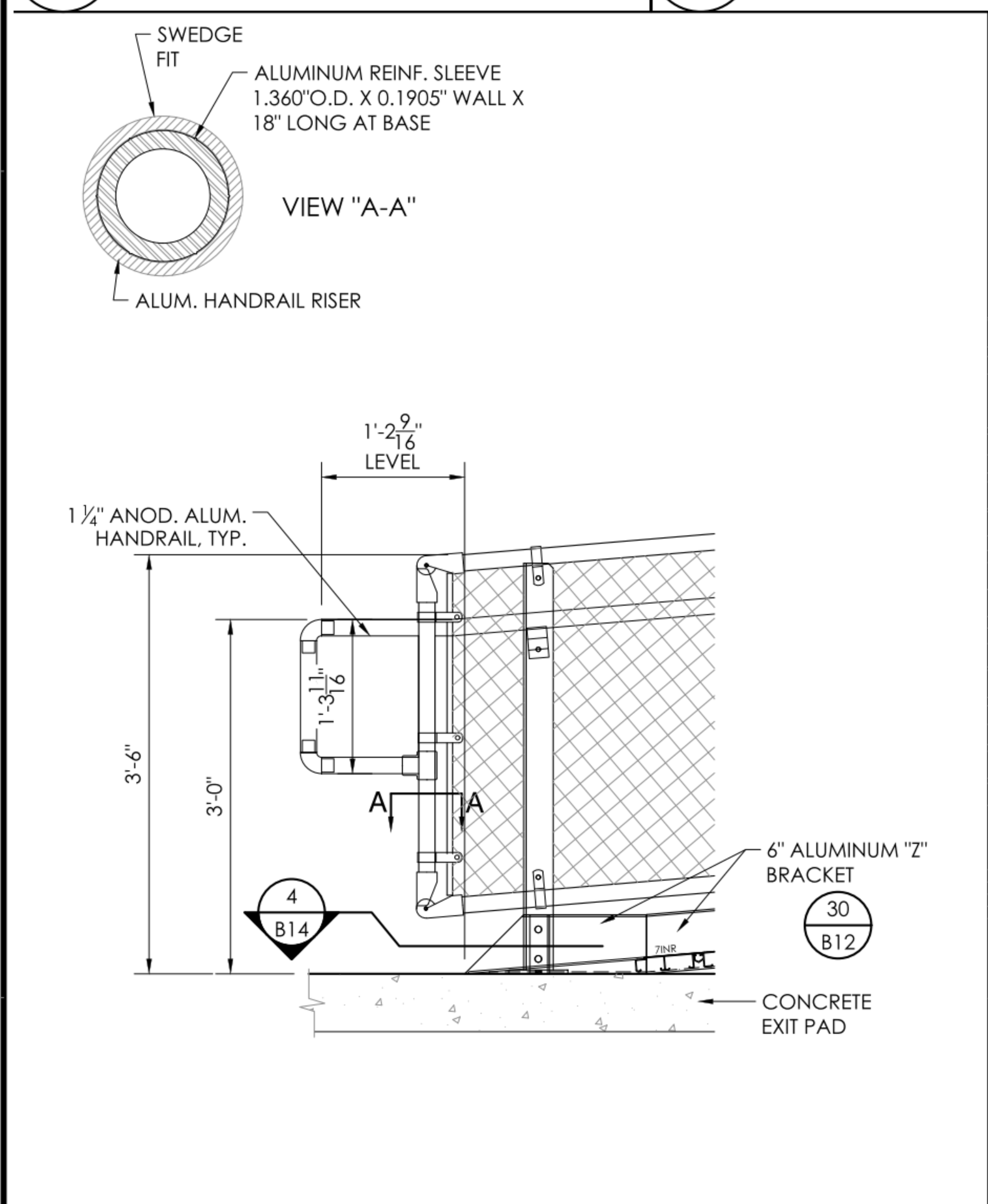
3 B14 STARTER RAMP WELD DETAIL
NOT TO SCALE



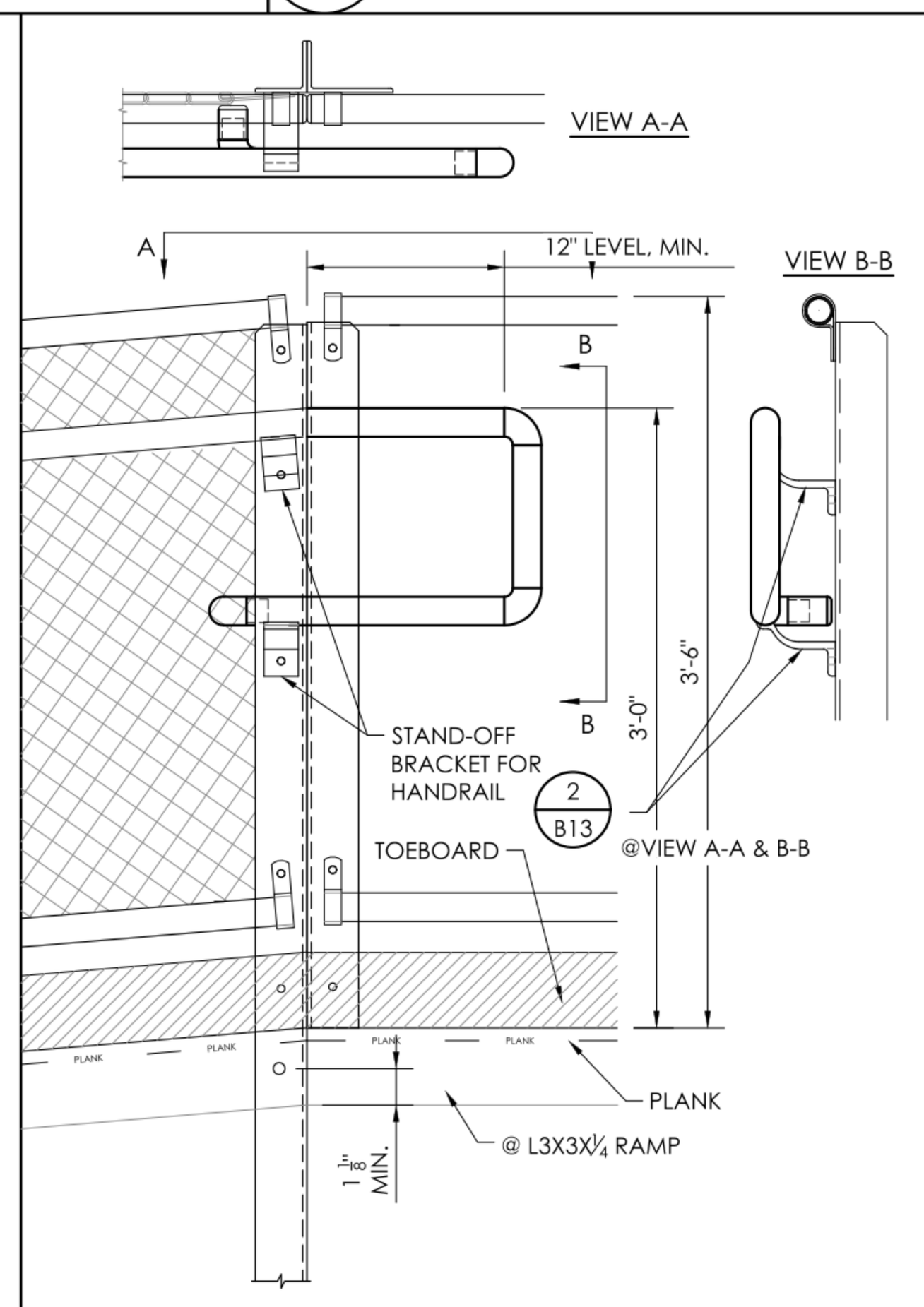
4 B14 END OF RAMP DETAIL
NOT TO SCALE



5 B14 PRE-FAB RAMP ATTACHMENT @ L3X3X1/4 RAMP
NOT TO SCALE

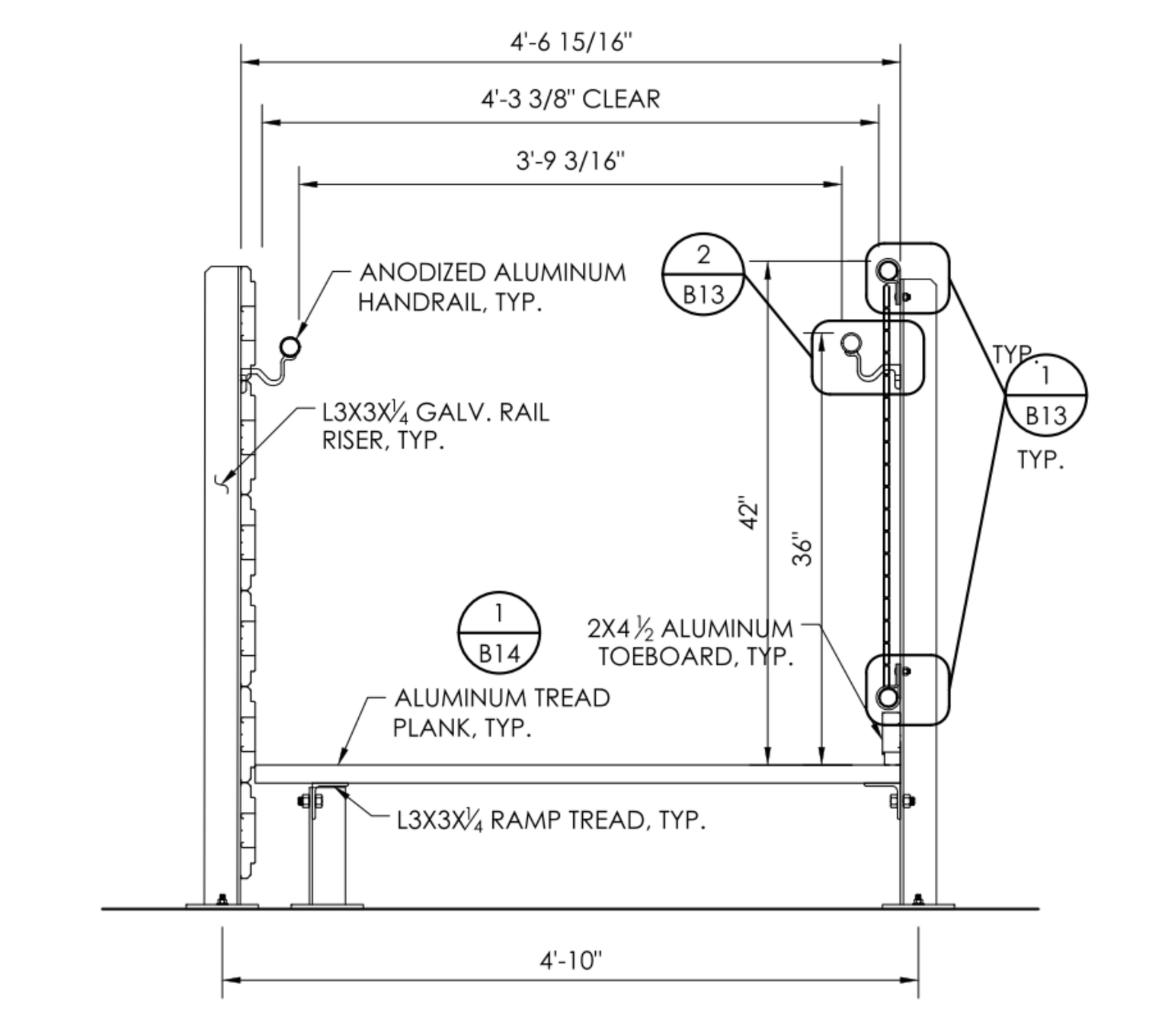


6 B14 HANDRAIL CONNECTION DETAIL @ RAMP
NOT TO SCALE

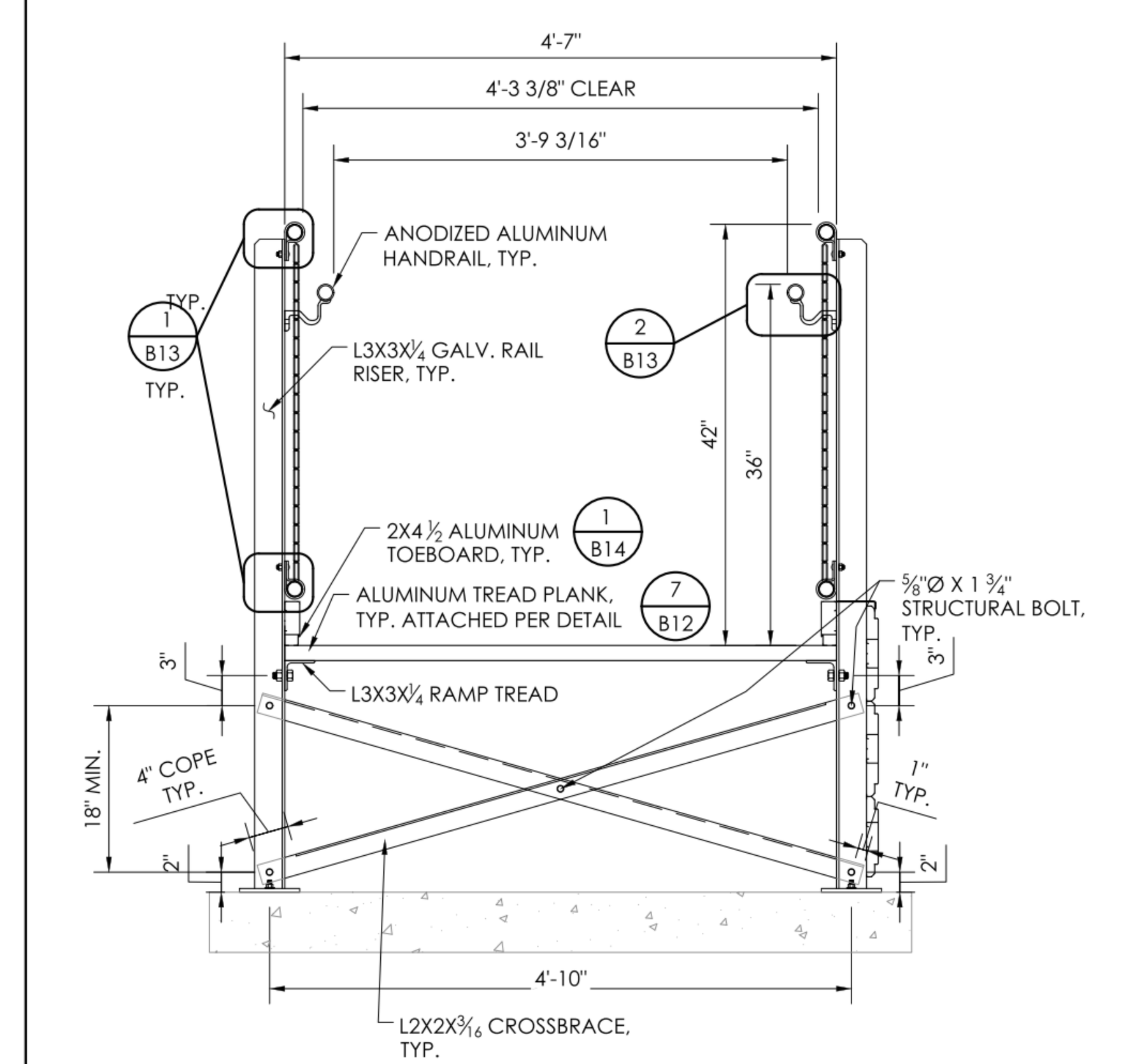


7 B14 TOP & INTERMEDIATE RAMP HANDRAIL TERMINATION DETAIL
NOT TO SCALE

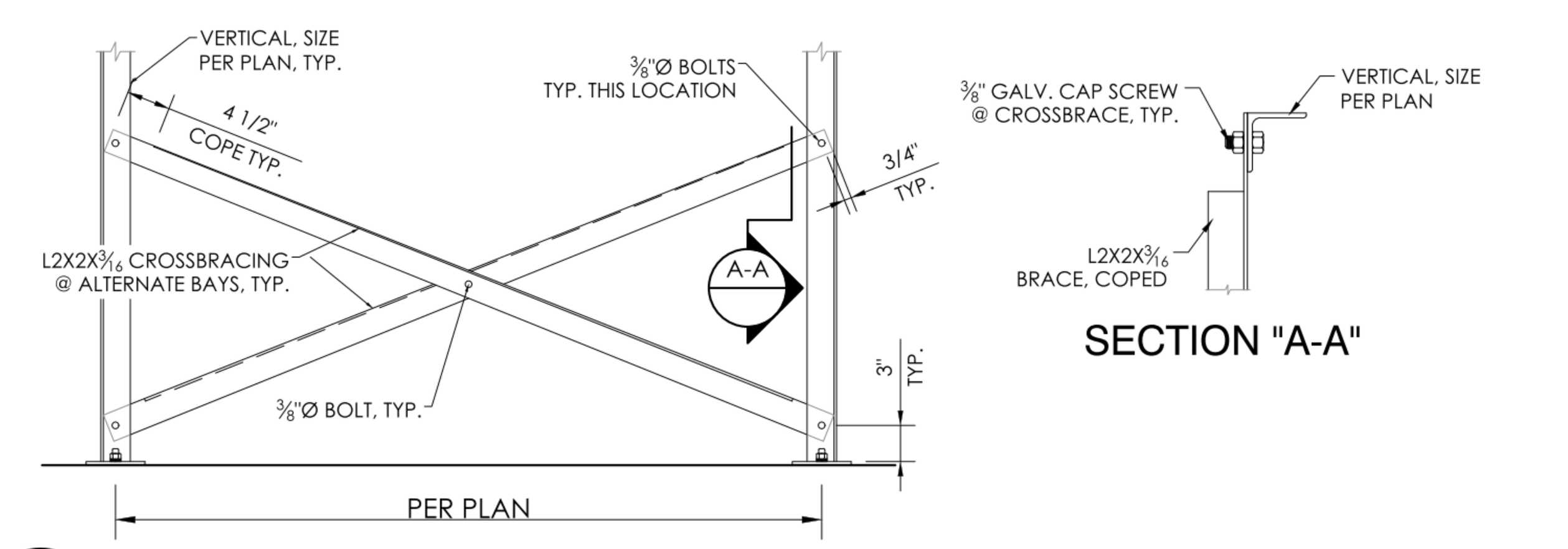
8 B14 DETAIL OMITTED
NOT TO SCALE



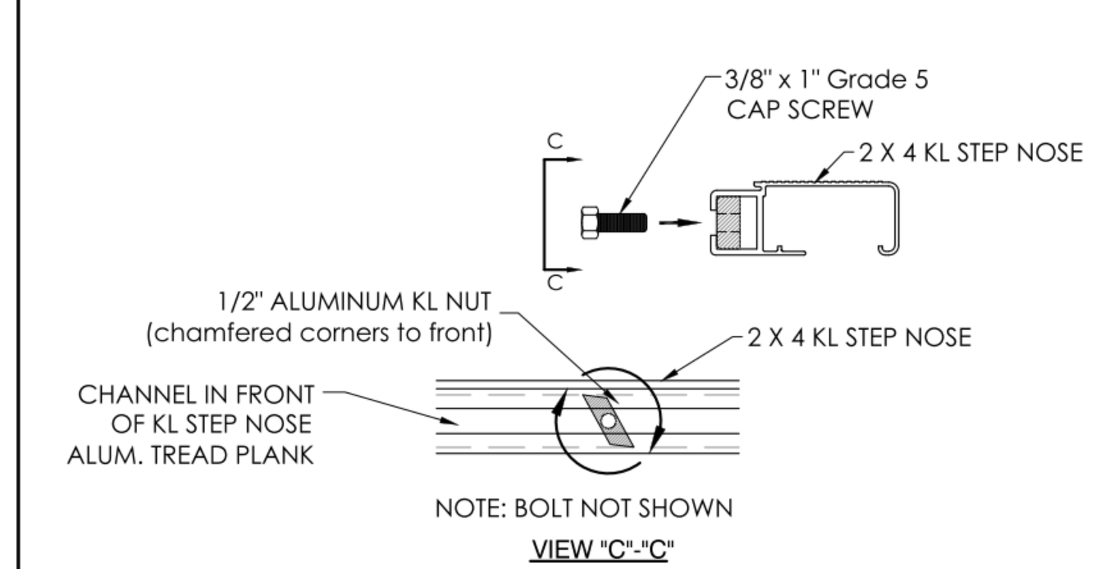
9 B14 RAMP SECTION DETAIL
NOT TO SCALE



10 B14 RAMP SECTION w/ CROSSBRACE CONNECTION DETAIL
NOT TO SCALE



11 B14 CROSSBRACE DETAIL
NOT TO SCALE



12 B14 KL NUT DETAIL
NOT TO SCALE

THIS DRAWING AND ALL INFORMATION THEREIN IS THE PROPERTY OF THE SOUTHERN BLEACHER COMPANY, TAYLOR & SYFAN AND IS CONFIDENTIAL AND MUST NOT BE MADE PUBLIC OR COPIED. THIS DRAWING IS LOANED SUBJECT TO RE-TURN UPON DEMAND AND IS NOT TO BE USED DIRECTLY OR INDIRECTLY IN ANY WAY DETRIMENTAL TO OUR INTERESTS.

STRUCTURAL ENGINEERS
TAYLOR & SYFAN
Southern BLEACHER COMPANY
GRANDSTANDS • BLEACHERS • STADIUMS
PO Box One, Graham, Texas 76450
801 Fifth Street
Phone: 940/549-0733 Fax: 940/549-1365
Established 1946

BRIAN T. DEAN, S 6087, Exp. 06/30/23, STRUCTURAL, STATE OF CALIFORNIA
Signed 11/30/21
PRINCIPAL

EXIT DETAILS
12" RISE X 24" TREAD / (15 ROWS)
SAN PASQUAL VALLEY USD
SAN PASQUAL VALLEY HS
WINTERHAVEN, CA

REV	BY	DATE	DESCRIPTION
	DMC	11/02/21	DSA COMMENTS
	MWS	11/5/21	NONE THIS PAGE

DATE 7/15/21 | DRAWN VK | CHECKED DMC
JOB NUMBER #21268
SHEET B14 OF B15
22" X 34" (11x17 = 1/2 indicated scale)
21268

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 04-120409 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 12/17/2021

Lord Architecture Inc.
11650 Iberia Place, Suite 210
San Diego, CA 92128-2455
858-485-6980, 858-485-1510 fax

SAN PASQUAL VALLEY UNIFIED SCHOOL DISTRICT
SPVHS ATHLETIC FIELDS BLEACHER & RESTROOM REPLACEMENT
676 Baseline Rd, Winterhaven, CA 92283

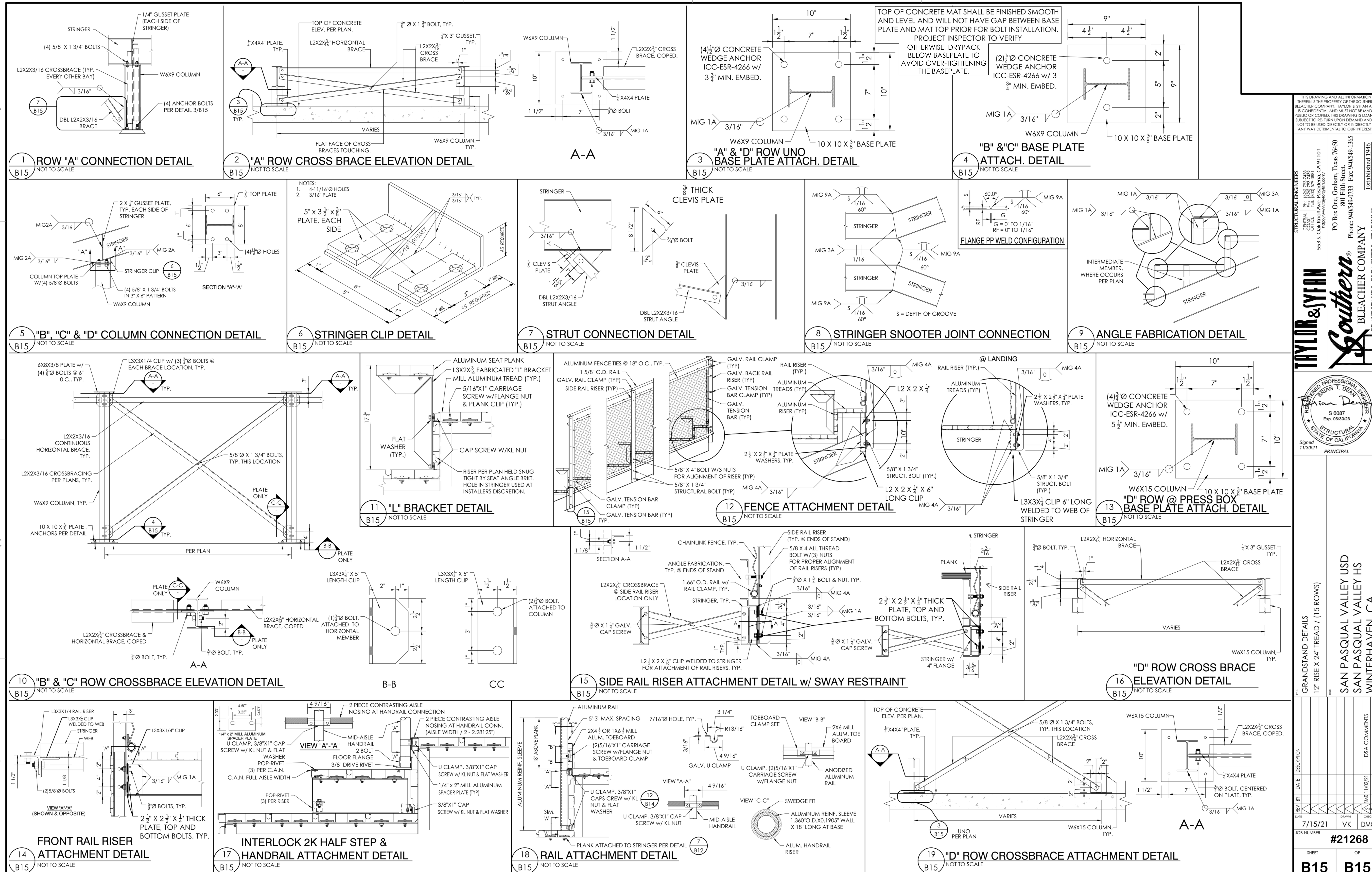
SAN PASQUAL VALLEY Unified School District

LICENSED ARCHITECT, KATHERINE T. LORD, No. C 14478, EXP. 02/23, STATE OF CALIFORNIA

Issue Schedule

No.	Description	Date
	DSA	9/8/21
	DSA V2	11/3/21
	DSA V3	11/30/21

Sheet Title: EXIT DETAILS
Project Number: 1706-103
Project Architect: KATHERINE LORD
Sheet Number: B14



IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 04-120409 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 12/17/2021

Lord Architecture Inc.
11650 Iberia Place, Suite 210
San Diego, CA 92128-2455
858-485-6980, 858-485-1510 fax

SAN PASQUAL VALLEY UNIFIED SCHOOL DISTRICT
SPVHS ATHLETIC FIELDS BLEACHER & RESTROOM REPLACEMENT
676 Baseline Rd, Winterhaven, CA 92283

STRUCTURAL ENGINEERS
TAYLOR & SYFAN
5535 S. Oak Knoll Ave., Pasadena, CA 91101

Southern BLEACHER COMPANY
GRANDSTANDS • BLEACHERS • STADIUMS
Established 1946
PO Box One, Graham, Texas 76450
801 Fifth Street,
Phone: 940/549-0733 Fax: 940/549-1365

REGISTERED PROFESSIONAL ENGINEER BRIAN T. DEAN S 6087 Exp. 06/30/23 STRUCTURAL STATE OF CALIFORNIA
Signed 11/30/21
PRINCIPAL

GRANDSTAND DETAILS
12" RISE X 24" TREAD / (15 ROWS)

SAN PASQUAL VALLEY USD
SAN PASQUAL VALLEY HS
WINTERHAVEN, CA

REV.	BY	DATE	DESCRIPTION
		11/02/21	DSA COMMENTS
		9/2/21	NONE THIS PAGE

DATE	DRAWN	CHECKED
7/15/21	VK	DMC

JOB NUMBER #21268

SHEET B15 OF B15

22" X 34" (11x17 = 1/2 indicated scale)

21268

SAN PASQUAL VALLEY Unified School District

LICENSED ARCHITECT KATHERINE T. LORD No. C 14478 EXP. 02/23 STATE OF CALIFORNIA

Issue Schedule

No.	Description	Date
	DSA	9/8/21
	DSA V2	11/3/21
	DSA V3	11/30/21

Sheet Title: GRANDSTAND DETAILS
Project Number: 1706-103
Project Architect: KATHERINE LORD

Sheet Number: B15