

Autodesk Docs://La Paloma High School_NEW SHADE STRUCTURE/Project.rvt PLOT DATE: 06/21/2026 5:15:56 PM

GENERAL NOTES

- DIMENSION LINES ARE PLACED FROM "FACE OF STUD" OR FROM "GRID LINE" UNLESS NOTED OTHERWISE.
- EXISTING CONSTRUCTION DATA SHOWN ON THE DRAWINGS WAS OBTAINED FROM AVAILABLE OWNER PROVIDED DRAWINGS. INFORMATION SHOWN ON THE DRAWINGS RELATIVE TO EXISTING CONDITIONS IS PROVIDED AS THE "BEST PRESENT KNOWLEDGE", BUT WITHOUT GUARANTEE OF ACCURACY. DIMENSIONS, ELEVATIONS, AND EXISTING CONDITIONS SHALL BE FIELD VERIFIED ON THE JOB SITE. DISCREPANCIES SHALL BE REPORTED TO THE ARCHITECT BEFORE PROCEEDING WITH WORK.
- WRITTEN DIMENSIONS ON DRAWINGS TAKE PRECEDENCE OVER SCALED DIMENSIONS. DO NOT SCALE DRAWINGS TO DETERMINE THE FINAL WORKING DIMENSIONS. DISCREPANCIES SHALL BE REPORTED TO THE ARCHITECT BEFORE PROCEEDING WITH WORK.
- IN THE EVENT THAT CERTAIN FEATURES OF THE WORK ARE NOT FULLY SHOWN OR DETAILED ON THE DRAWINGS OR CALLED FOR IN THE GENERAL NOTES, THEIR CONSTRUCTION SHALL BE OF THE SAME CHARACTER AS SIMILAR CONDITIONS THAT ARE SHOWN OR CALLED FOR.
- THE PROJECT MANUAL IS AN INTEGRAL PART OF THE CONTRACT DOCUMENTS. FOR SPECIFIC REQUIREMENTS OF MATERIALS, WORKMANSHIP, AND PERFORMANCE, REFER TO SPECIFICATIONS AND GENERAL REQUIREMENTS.
- CONSTRUCTION TECHNIQUES, MATERIALS AND FINISHES TO BE INSTALLED AS REQUIRED BY THE APPROPRIATE CODE AUTHORITIES. INSTALLATION SHALL FOLLOW THE STANDARDS OF THE INDUSTRY IN ADDITION TO MEETING OR EXCEEDING THE DESIGN STANDARDS.
- ARCHITECTURAL DRAWINGS TAKE PRECEDENCE OVER OTHER DRAWINGS. THE STRUCTURAL, ELECTRICAL, MECHANICAL, AND OTHER DRAWINGS ARE SUPPLEMENTARY TO THE ARCHITECTURAL DRAWINGS. DRAWING DIVISIONS ARE NOT INTENDED TO DIVIDE THE CONSTRUCTION WORK BY TRADE OR CONTRACT. CONTRACTOR WILL COORDINATE ALL WORK WITH THE ARCHITECTURAL DRAWINGS BEFORE PROCEEDING WITH THE WORK. NOTIFY THE ARCHITECT FOR CLARIFICATION OF DISCOVERED DISCREPANCIES. WORK INSTALLED IN CONFLICT WITH THE ARCHITECTURAL DRAWINGS SHALL BE CORRECTED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER.
- ANCHORAGE OF FIXTURES OR EQUIPMENT, TO WALL OR CEILING ASSEMBLIES, WHICH WEIGH MORE THAN 20 LBS., SHALL BE ATTACHED TO BACKING PER THE DETAILS PROVIDED. CONTRACTOR SHALL COORDINATE THE RELATED TRADES FOR PLACEMENT OF THE BACKING MEMBERS FOR EACH ITEM. CONTRACTOR SHALL ENSURE BACKING HAS BEEN PROVIDED BEFORE THE WALL OR CEILING SHEATHING IS APPLIED, OR WORK IS COVERED.
- CONTRACTOR IS RESPONSIBLE FOR COORDINATING THE CONTRACT DOCUMENTS, FIELD CONDITIONS AND DIMENSIONS, FOR ACCURACY AND CONFIRMING THAT WORK IS CONSTRUCTIBLE AS SHOWN PRIOR TO PROCEEDING WITH THE WORK. FOR QUESTIONS REGARDING THE CONTRACT DOCUMENTS OR OTHER COORDINATION QUESTIONS, OBTAIN WRITTEN CLARIFICATION FROM THE ARCHITECT PRIOR TO PROCEEDING WITH WORK.
- CONTRACTOR SHALL INFORM THE ARCHITECT OF CONFLICTS THAT EXIST IN LOCATIONS OF MECHANICAL, COMMUNICATION, ELECTRICAL, LIGHTING, PLUMBING, AND FIRE SPRINKLER EQUIPMENT. CONFIRM REQUIRED CLEARANCES FOR INSTALLATION AND MAINTENANCE OF ABOVE DESCRIBED EQUIPMENT IS PROVIDED.
- CONTRACTOR SHALL BE RESPONSIBLE FOR CUTTING, FITTING, AND PATCHING THAT MAY BE REQUIRED TO COMPLETE THE WORK, OR TO MAKE ITS MANY PARTS FIT TOGETHER PROPERLY. PROTECT ADJACENT CONSTRUCTION FROM DAMAGE, CUTTING AND WEAKENING OF EXISTING STRUCTURAL COMPONENTS, WALLS, FLOORS, AND ROOF MEMBERS IS PROHIBITED UNLESS FULLY DETAILED ON THE PLANS.
- CONTRACTOR IS RESPONSIBLE FOR PROVIDING WORK AND MATERIALS IN STRICT COMPLIANCE WITH LOCAL, COUNTY, STATE, AND FEDERAL REGULATORY AGENCIES AND APPLICABLE BUILDING CODES.
- "TYPICAL" SHALL MEAN IDENTICAL FOR ALL SAME CONDITIONS. "SIMILAR" SHALL MEAN COMPARABLE CHARACTERISTICS FOR THE CONDITIONS NOTED.
- HEIGHTS ARE DIMENSIONED FROM "ABOVE FINISH FLOOR", UNLESS NOTED OTHERWISE.
- ITEMS IDENTIFIED TO BE DEMOLISHED, REMOVED, OR RELOCATED ARE TO BE COMPLETELY REMOVED, INCLUDING, BUT NOT LIMITED TO CONCEALED ITEMS (PIPES, CURBS, FRAMING, FASTENERS, ETC.). ITEMS WITHIN A DEMOLITION AREA THAT MUST BE REROUTED IN ORDER TO MAINTAIN CONTINUITY SHALL BE DONE SO IN ACCORDANCE WITH THE APPROPRIATE SPECIFICATION SECTIONS OF THE PROJECT MANUAL. AT NO ADDITIONAL COST TO THE OWNER, CONTINUITY SHALL BE MAINTAINED BY CURRENT STANDARD CONSTRUCTION METHODS, EQUAL TO OR GREATER THAN THE QUALITY OF THE EXISTING CONDITION. ANY AREA OF DEMOLITION SHALL BE LEFT IN A COMPLETE AND CLEAN CONDITION, READY FOR NEW WORK, AS OUTLINED IN THE DOCUMENTS AND DRAWINGS.
- WORK INDICATED AS "OWNER FURNISHED/CONTRACTOR INSTALLED" AND "OWNER FURNISHED/OWNER INSTALLED" SHALL MEET ALL APPLICABLE CODES AND REGULATORY REQUIREMENTS INDICATED WITHIN THESE DOCUMENTS AND SHALL BE INSTALLED AND FULLY OPERATIONAL PRIOR TO FINAL APPROVAL OF THIS PROJECT.
- CONSTRUCTION INDICATED AS "FUTURE" IS NOT PART OF THIS PROJECT APPROVAL. SEPARATE APPLICATION AND APPROVAL BY DSA WILL BE REQUIRED FOR THESE ITEMS.
- ITEMS LISTED AS "NOT IN CONTRACT" ARE NOT PART OF THIS PROJECT APPROVAL. SEPARATE APPLICATION AND APPROVAL BY DSA MAY BE REQUIRED FOR THESE ITEMS.
- ITEMS NOT IDENTIFIED AS "EXISTING" ARE INTENDED AS NEW AND TO BE PROVIDED AS PART OF THIS PROJECT.
- FIRE SAFETY DURING CONSTRUCTION & DEMOLITION WILL BE ENFORCED IN ACCORDANCE WITH CBC & CFC CHAPTER 33.
- ALL WORK SHALL CONFORM TO 2022 TITLE 24, CALIFORNIA CODE OF REGULATIONS (CCR).
- CHANGES TO THE APPROVED DRAWINGS AND SPECIFICATIONS SHALL BE MADE BY AN ADDENDUM OR A CONSTRUCTION CHANGED DOCUMENT (CCD).
- THE ARCHITECT SHALL NOT BE OBSERVING THE CONSTRUCTION OF THIS PROJECT. THE CONTRACTOR IS RESPONSIBLE FOR SAFETY, SECURITY, QUALITY CONTROL AND CONSTRUCTION STANDARDS FOR THIS PROJECT.
- ALL NEW CONSTRUCTION SHALL CONFORM TO THE LATEST EDITION OF CODES ADOPTED BY LOCAL GOVERNING AGENCIES. THESE SHALL INCLUDE (BUT NOT LIMITED TO) THE APPLICABLE CODES, LAWS, AND REGULATIONS LISTED UNDER "CODE INFORMATION" ON THIS SHEET, AS WELL AS ALL HEALTH AND SAFETY CODES AND ORDINANCES ADOPTED BY THE LOCAL GOVERNING AGENCIES.
- THE INTENT OF THESE DRAWINGS AND SPECIFICATIONS IS THAT THE WORK OF THE ALTERATION, REHABILITATION OR RECONSTRUCTION IS TO BE IN ACCORDANCE WITH TITLE 24, CCR. SHOULD ANY EXISTING CONDITIONS, SUCH AS DETERIORATION OR NON-COMPLYING CONSTRUCTION BE DISCOVERED WHICH IS NOT COVERED BY THE CONTRACT DOCUMENTS WHEREIN THE FINISHED WORK WILL NOT COMPLY WITH TITLE 24, CCR, A CONSTRUCTION CHANGE DOCUMENT (CCD), OR A SEPARATE SET OF PLANS AND SPECIFICATIONS, DETAILING AND SPECIFYING THE REQUIRED WORK SHALL BE SUBMITTED TO AND APPROVED BY DSA BEFORE PROCEEDING WITH THE WORK. (SECTION 4-317(C), PART 1, TITLE 24, CCR).
- GRADING PLANS, DRAINAGE IMPROVEMENTS, ROAD AND ACCESS REQUIREMENTS AND ENVIRONMENTAL HEALTH CONSIDERATIONS SHALL COMPLY WITH ALL LOCAL ORDINANCES.
- THE CALIFORNIA ENERGY CODE SECTION 10-103 REQUIRES ACCEPTANCE TESTING ON ALL NEWLY INSTALLED LIGHTING CONTROLS, MECHANICAL SYSTEMS, ENVELOPES, AND PROCESS EQUIPMENT AFTER INSTALLATION AND BEFORE PROJECT COMPLETION. AN ACCEPTANCE TEST IS A FUNCTIONAL PERFORMANCE TEST TO HELP ENSURE THAT NEWLY INSTALLED EQUIPMENT IS OPERATING AND IN COMPLIANCE WITH THE ENERGY CODE.
- LIGHTING CONTROLS ACCEPTANCE TESTS MUST BE PERFORMED BY A CERTIFIED LIGHTING CONTROLS ACCEPTANCE TEST TECHNICIAN (ATT).
- MECHANICAL SYSTEM ACCEPTANCE TESTS MUST BE PERFORMED BY A CERTIFIED MECHANICAL ATT FOR PROJECTS SUBMITTED ON OR AFTER OCTOBER 1, 2021.
- ACCESSIBILITY - ALL NEW WORK IN THIS BUILDING SHALL CONFORM WITH APPLICABLE SECTION OF C.B.C. 11B CBC SECTION 11B-202.4 PATH OF TRAVEL REQUIREMENTS IN ALTERATIONS, ADDITIONS, AND STRUCTURAL REPAIRS. THE NEW WORK FOR THIS TENANT IMPROVEMENT PROJECT IS DESIGN TO MEET APPLICABLE ACCESSIBILITY CODES. ADDITIONAL WORK SHALL BE PERFORMED TO MEET THE INTENT OF THIS CODE SECTION SEE 11B-202.4 NOTES ON SHEET AS2 FOR LIST OF UPGRADES TO PATH OF TRAVEL TO BUILDING.
- THE ACCEPTANCE TESTING PROCEDURES MUST BE REPEATED, AND DEFICIENCIES MUST BE CORRECTED BY THE BUILDER OR INSTALLING CONTRACTOR UNTIL THE CONSTRUCTION/INSTALLATION OF THE SPECIFIED SYSTEMS CONFORM AND PASS THE REQUIRED ACCEPTANCE CRITERIA.
- PROJECT INSPECTORS WILL COLLECT THE FORMS TO CONFIRM THAT THE REQUIRED ACCEPTANCE TESTS HAVE BEEN COMPLETED.
- ALL CONSTRUCTION AND DEMOLITION SHALL BE IN ACCORDANCE WITH CHAPTER 33 OF THE CBC AND CFC, AND THE WRITTEN FIRE LIFE SAFETY PLAN.
- A "DSA CERTIFIED" PROJECT INSPECTOR EMPLOYED BY THE DISTRICT (OWNER) AND APPROVED BY THE DSA SHALL PROVIDE CONTINUOUS INSPECTION OF THE WORK. THE DUTIES OF THE INSPECTOR ARE DEFINED IN SECTION 4-342, PART 1, TITLE 24, CCR. A MINIMUM CLASS 3 INSPECTOR IS REQUIRED.
- A DSA ACCEPTED TESTING LABORATORY DIRECTLY EMPLOYED BY THE DISTRICT (OWNER) SHALL CONDUCT ALL THE REQUIRED TESTS AND INSPECTIONS FOR THE PROJECT.
- SUBSTITUTIONS AFFECTING ITEMS REGULATED BY THE DIVISION OF THE STATE ARCHITECT (DSA) REQUIRE DSA APPROVAL AS AN ADDENDUM OR A CONSTRUCTION CHANGE DOCUMENT (CCD). DSA APPROVAL SHALL BE OBTAINED PRIOR TO FABRICATION AND/OR INSTALLATION PER SECTION 4-338, PART 1, TITLE 24, CCR.

LA PALOMA HIGH SCHOOL

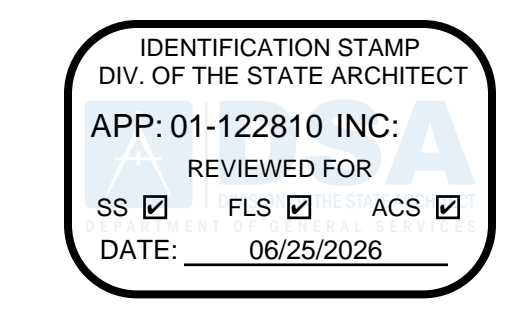
NEW SHADE STRUCTURE PROJECT

400 GHIGGERI DR. BRENTWOOD, CA 94513



STATEMENT OF GENERAL CONFORMANCE

Application No.: 01 - 122810
File No.: 7 - H4



- The drawings identified as follows:
- All drawing sheets included in this set not bearing my stamp and signature.
 - Drawing sheets denoted in the sheet index as follows: **CIVIL**
 - Drawing sheets included under the following PC approval(s):

have been prepared by other design professionals or consultants who are licensed and authorized to prepare such drawings (plans) in this state. They have been examined by me for:

- Design intent and appear to meet the appropriate requirements of Title 24, California Code of Regulations and the project specifications prepared by me, and
- Coordination with my drawings (plans) and specifications and are acceptable for incorporation into the construction of this project.

Per Title 24, Part 1, Section 4-316(b): This Statement of General Conformance shall not be construed as relieving me of my rights, duties, and responsibilities under Sections 17302 and 81138 of the Education Code and Sections 4-336, 4-341 and 4-344 of Title 24, Part 1.

Signature: *Rodolfo L. Chacon* Date: 6/22/2026
RODOLFO L. CHACON License Number: **C28654** Expiration Date: **2/28/2027**
 Printed Name License Number Expiration Date

REVISION	DESCRIPTION

La Paloma High School
New Shade Structure



400 Ghiggeri Dr.
Brentwood
CA 94513

ABBREVIATIONS			
ABOVE FINISHED FLOOR	ABV	EACH	EA
ACCESSIBLE	A.C.C.	ELECTRIC	ELEC.
ACOUSTICAL	ACUST.	ELECTRIC DRINKING FOUNTAIN	E.D.F.
ADJACENT	ADJ.	ELEVATION	ELEV.
ADJUSTABLE	ADJUST.	EQUAL	EQU.
AIR CONDITIONING	A/C	EQUIPMENT	EQUIP.
ALUMINUM	ALUM.	ESTIMATE	EST.
ANCHOR BOLT	AB	EXHAUST	EXH.
BENT ANCHOR BOLT	ABAB	EXHAUST FAN	E.F.
ANODIZED	AND.	EXISTING	EX.
ARCHITECTURAL	ARCH.	EXPANSION	EXP.
ASPHALT CONCRETE	AC	EXPANSION JOINT	E.J.
BACKBOARD	BACKRD.	EXT.	EXT.
BEAM	BM	FABRIC WALL COVERING	F.W.C.
BENCH MARK	B.M.	FACE OF BLOCK	F.O.B.
BETWEEN	B.TWN.	FACE OF CONCRETE	F.O.C.
BLOCK	BLK.	FACE OF STUD	F.O.S.
BOTTOM	B.TM.	FACE OF WALL	F.O.W.
BOUNDARY NAILING	B.N.	FACTORY FINISH	F.F.
BUILDING	BLDG.	FEET/FOOT	FT.
CABINET	CAB.	FEMININE NAPKIN DISPOSAL	F.N.D.
CADMIUM	CAD.	FIBER GLASS	F.G.
CARPET	CPT.	FINISH	FIN.
CARRIAGE BOLT	C.B.	FIRE EXTINGUISHER CABINET	F.E.C.
CAST IRON	CI	FIRE RATED GYP. BD.	F.R.G.B.
CEILING	CLG.	FIRE TREATED	F.T.
CEILING DIFFUSER	C.D.	FLAT HEAD	F.H.
CEILING GRILLE	C.G.	FLOOR	FLR.
CEILING REGISTER	C.R.	FLOOR DRAIN	F.D.
CEMENT	CEM.	FLUORESCENT	FLUR.
CENTERLINE	CL	FOOTING	FTG.
CERAMIC TILE	C.T.	FOUNDATION	FDN.
CIRCUIT	CO.	FRAMING	FRM.G.
CLEANOUT	CLR.	GAGE/GAUGE	GA.
CLEAR	CLW.	GALVANIZED	GALV.
COLD WATER	C.W.	GALVANIZED IRON	G.I.
COLUMN	COL.	GLASS	GL.
COMBINATION/COMBUSTION	COMB	GRAB BAR	G.B.
COMPOSITION, COMPOSITE	COMP.	GRADE	GR.
CONCRETE	CONC.	GROUND	GND.
CONCRETE MASONRY UNIT	C.M.U.	GYP.	GYP.
CONDITION	COND.	GYP. GYP. BD.	G.Y.P. G.Y.P. BD.
CONNECTION	CONN.	HARDWARE	H.W.
CONSTRUCTION	CONST.	HEAD	HDR.
CONSTRUCTION JOINT	C.J.	HEIGHT	HGT.
CONTINUOUS	CONT.	HOLLOW METAL	H.M.
CONTRACTOR	CONTR.	HORIZONTAL	HORIZ.
COORDINATE	COORD.	HOT WATER	H.W.
COUNTERSINK	CSK.	HOSE BIBB	H.B.
DEPARTMENT	DEPT.	INSULATION	INSUL.
DEPTH, DEEP	D.	INTERIOR	INT.
DETAIL	DET.	JAMB	J.B.
DIAGONAL	DIAG.	JOINT	JT.
DIAMETER	DIA.	INCH	IN.
DIMENSION	DIM.	INSIDE DIAMETER/DIMENSION	I.D.
DISPENSER/DISPOSAL	DISP.	INSULATION	INSUL.
DIVISION	DIV.	INTERIOR	INT.
DOOR	DR.	JAMB	J.B.
DOUBLE	DBL.	JOINT	JT.
DOWN	DN.	INCH	IN.
DOWNSPOUT	D.S.	INSIDE DIAMETER/DIMENSION	I.D.
DRAWING	DRWG.	INSULATION	INSUL.
DRINKING FOUNTAIN	D.F.	INTERIOR	INT.

VICINITY MAP



DEFERRED SUBMITTAL

NONE

PROJECT DIRECTORY

PROJECT OWNER: Mr. Paul Meloni Director of Facilities Liberty Union High School District 20 Oak Street Brentwood, CA	ENGINEER: Alan Mok Alan Mok Engineering 3433 West Shaw Avenue Ste. 106 Fresno, CA 93711 Tel 559-432-6979 Cell 559-930-1359 alan@alanmokengeering.com
ARCHITECT: CHACON Architecture Rodolfo L. Chacon 21 Bolero Drive Bay Point, CA 94565 559-240-0288	

SHEET INDEX

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A1.00	ENLARGED PLAN DEMO
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USA SHADE STRUCTURES	
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T-2.0	UNIT SELECTION
T-3.0	T&I FORMS
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TOTAL SHEETS = 17	
APPLICABLE CODES	
PARTIAL LIST OF APPLICABLE CODES AS OF APRIL 6, 2025:	
APPLICABLE CODES	
2025 California Administrative Code (CAC), Part 1, Title 24 CCR	
2022 California Building Code (CBC), Part 2, Title 24 CCR	
2022 California Electrical Code (CEC), Part 3, Title 24 CCR	
2022 California Mechanical Code (CMC), Part 4, Title 24 CCR	
2022 California Plumbing Code (CPC), Part 5, Title 24 CCR	
2022 California Energy Code, Part 6, Title 24 CCR	
2022 California Fire Code (CFC), Part 7, Title 24 CCR	
2022 California Existing Building Code (CEBC), Part 10, Title 24 CCR	
2022 California Green Building Standards Code (CALGreen), Part 11, Title 24 CCR	
2022 California Referenced Standards Code, Part 12, Title 24 CCR	
Title 19 CCR, Public Safety, State Fire Marshal Regulations	
APPLICABLE STANDARDS	
For a list of applicable standards including California amendments to the NFPA Standards, refer to CBC Chapter 35 and CFC Chapter 80.	

BUILDING DATA

NEW SHADE STRUCTURE
OCCUPANCY GROUP = A2.1
CONSTRUCTION TYPE = TYPE VB
ACTUAL AREA = 1,600 SF
ALLOWABLE AREA = 6,000 SF PER
TABLE 506.2 OF CBC 2022
SCOPE OF WORK:
1.) CONSTRUCTION OF A NEW PC SHADE STRUCTURE BY USA SHADE 2.) SITE IMPROVEMENTS INCLUSIVE OF: A.) NEW CONCRETE WALKS AND SLABS ON GRADE B.) RE LOCATION OF EXISTING IRRIGATION BUBBLERS
APPLICABLE CODES
PARTIAL LIST OF APPLICABLE CODES AS OF APRIL 6, 2025:
APPLICABLE CODES
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SYMBOLS

	SECTION KEY SECTION IDENTIFICATION SHEET NUMBER
	DETAIL KEY DETAIL NUMBER SHEET NUMBER
	INTERIOR ELEVATION KEY ELEVATION DIRECTION ELEVATION IDENTIFICATION SHEET NUMBER
	ELEVATION DATUM INDICATES HEIGHT IN RELATION TO 0'-0"
	ROOM NUMBER/ FINISH TAG ROOM NAME ROOM NUMBER
	WINDOW SCHEDULE KEY
	KEYNOTE SCHEDULE KEY
	DOOR SCHEDULE KEY
SHEET TITLE	
COVER PAGE	
G0.01	

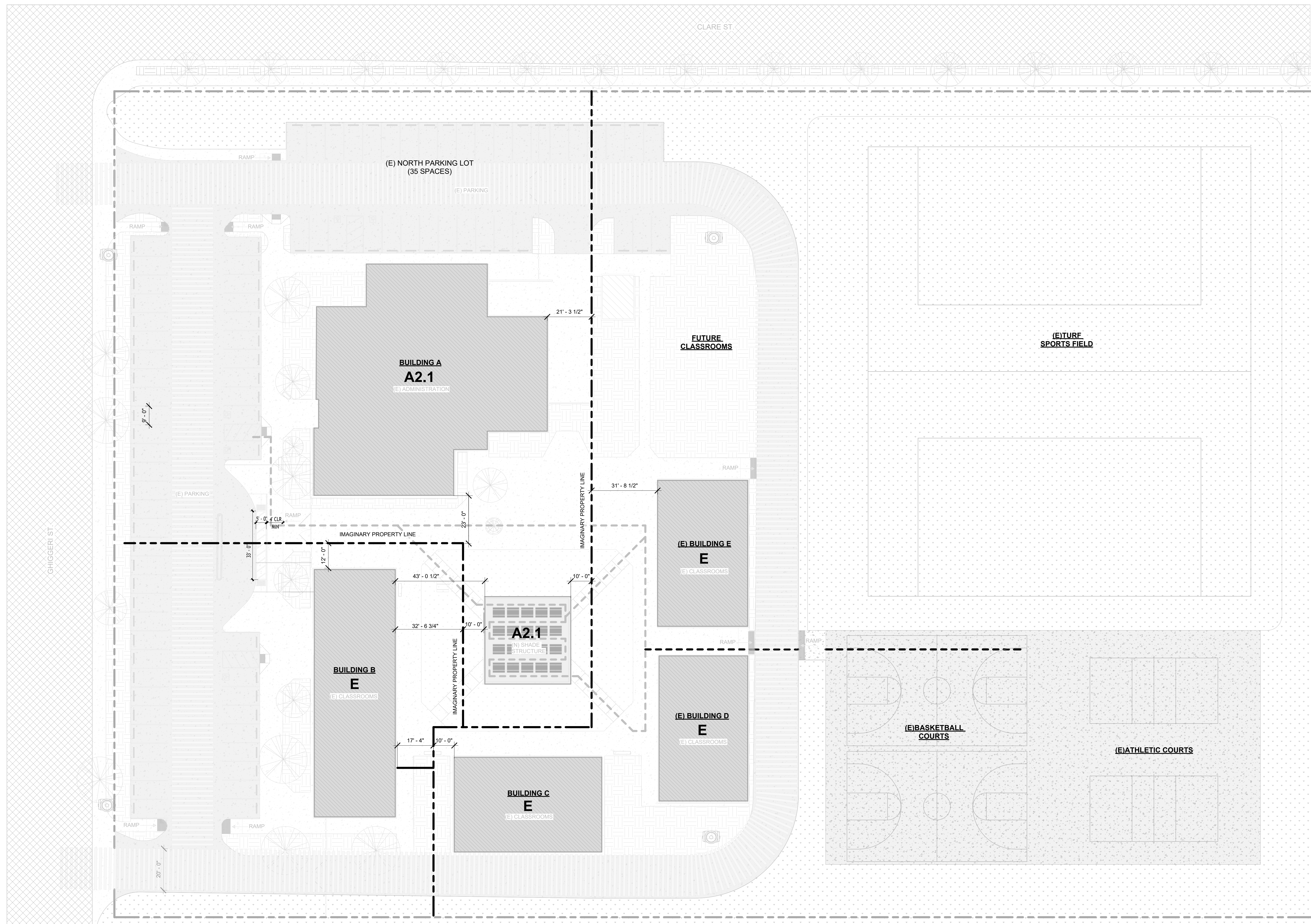
CHACON
ARCHITECTURE

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Project Number
Issue Date

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SHEET TITLE
COVER PAGE
G0.01



1 OCCUPANCY REVIEW
1" = 20'-0"

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 01-122810 INC.
REVIEWED FOR:
SS FLS ACS
DATE: 06/25/2026



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Issue Date

KEYNOTES

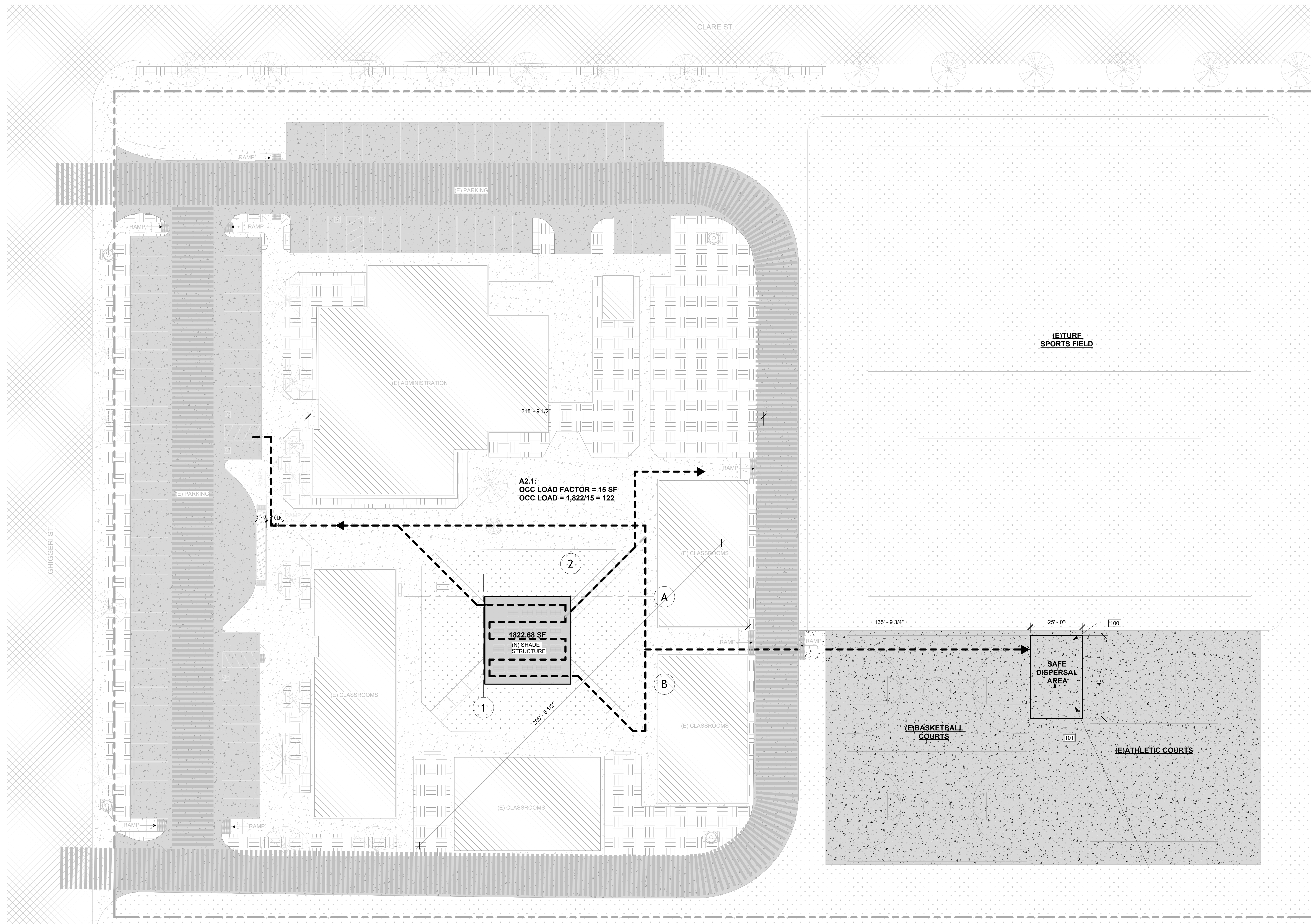
LEGEND

GENERAL NOTES

	ACCESSIBLE PATH OF TRAVEL		DEMO LANDSCAPING
	(E) TREES TO BE REMOVED CAP IRRIGATION		(E) CONCRETE PAVING
	(E) FIRE HYDRANT		(N) CONCRETE PAVING
	(E) CHAINLINK FENCING		(E) ASPHALT CONCRETE PAVING
	PROPERTY LINE		(E) LANDSCAPING
	(E) BUILDINGS		(N) BUILDINGS AND STRUCTURES
	(E) PLANTER AREAS		

SHEET TITLE
CODE REVIEW

G0.02



1 SITE PLAN
1" = 20'-0"

AREA INDICATES 5 SF PER PERSON 200 STUDENTS THEREFORE 1000SF REQUIRED PER CBC SECTION 1028.5

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KEYNOTES

- 100 INDICATES AREA OF SAFE DISPERSAL
- 101 STENCIL "SAFE DISPERSAL AREA" 12" HIGH LETTERS WHITE
- 102 CREATE 4" WHITE SOLID LINE PERIMETER

LEGEND

	ACCESSIBLE PATH OF TRAVEL		DEMO LANDSCAPING
	(E) TREES TO BE REMOVED CAP IRRIGATION		(E) CONCRETE PAVING
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	PROPERTY LINE		(E) LANDSCAPING
	(E) BUILDINGS		(N) BUILDINGS AND STRUCTURES
	(E) PLANTER AREAS		

GENERAL NOTES

1028.5 ACCESS TO A PUBLIC WAY.
THE EXIT DISCHARGE SHALL PROVIDE A DIRECT AND UNOBSTRUCTED ACCESS TO A PUBLIC WAY.
EXCEPTION: WHERE ACCESS TO A PUBLIC WAY CANNOT BE PROVIDED, A SAFE DISPERSAL AREA SHALL BE PROVIDED WHERE ALL OF THE FOLLOWING ARE MET:
1. 1. THE AREA SHALL BE OF A SIZE TO ACCOMMODATE NOT LESS THAN 5 SQUARE FEET (0.46 M2) FOR EACH PERSON.
2. 2. FOR OTHER THAN GROUP E BUILDINGS, THE AREA SHALL BE LOCATED ON THE SAME LOT NOT LESS THAN 50 FEET (15 240 MM) AWAY FROM THE BUILDING REQUIRING EGRESS. FOR GROUP E BUILDINGS, THE AREA SHALL BE LOCATED ON THE SAME LOT AT LEAST 50 FEET (15 240 MM) AWAY FROM ANY BUILDING.
3. 3. THE AREA SHALL BE PERMANENTLY MAINTAINED AND IDENTIFIED AS A SAFE DISPERSAL AREA.
4. 4. THE AREA SHALL BE PROVIDED WITH A SAFE AND UNOBSTRUCTED PATH OF TRAVEL FROM THE BUILDING.
5. 5. IN CORRECTIONAL FACILITIES, THE AREA SHALL BE OF A SIZE TO ACCOMMODATE NOT LESS THAN 7 SQUARE FEET (0.6503 M2) FOR EACH PERSON. ACCESSIBLE PATH OF EGRESS TRAVEL TO THE SAFE DISPERSAL AREA AND CLEAR GROUND SPACE FOR 5 PERCENT OF THE OCCUPANTS MEETING SECTION 11B-305.3 SHALL BE PROVIDED.

SHEET TITLE
EGRESS PATH OF TRAVEL TO SAFE DISPERSAL

G0.03

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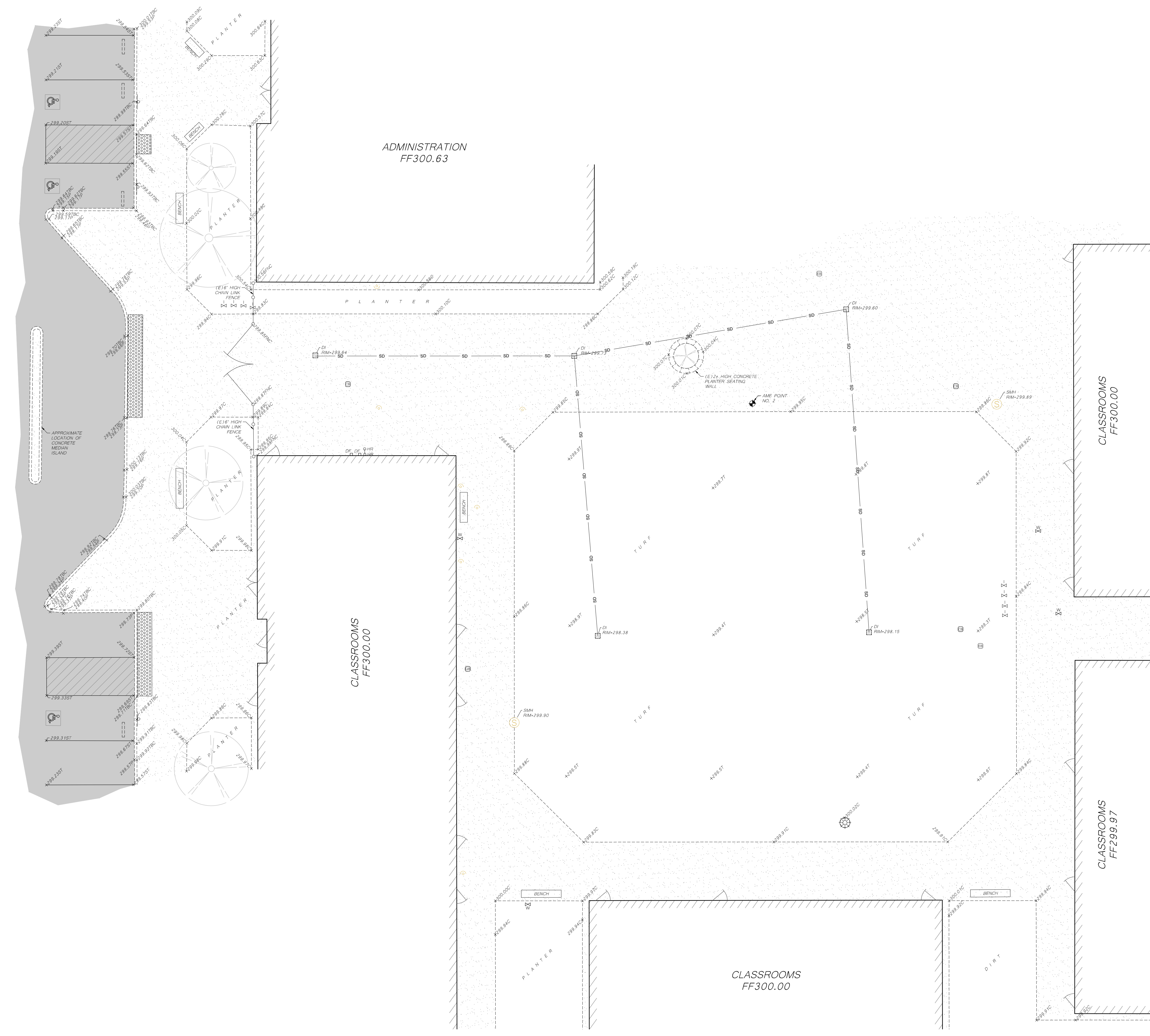
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Project Number :
 Submittal Date :

KEYPLAN

SHEET TITLE
 TOPOGRAPHIC SURVEY

C1



TOPOGRAPHIC LEGEND:

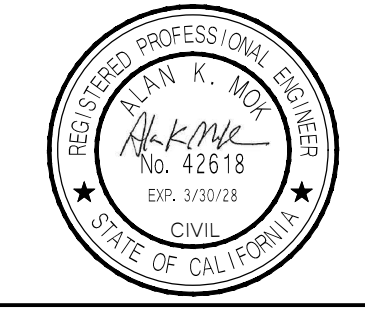
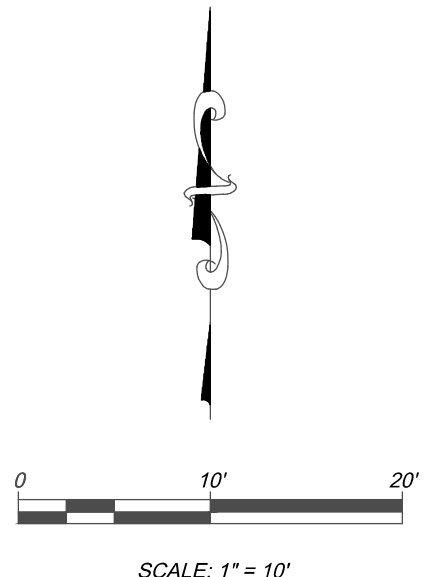
- | | | | |
|--|---------------------------|--|------------------------|
| | BENCHMARK | | AC ASPHALT CONCRETE |
| | COMMUNICATION BOX | | BLD BUILDING |
| | DRINKING FOUNTAIN | | C CONCRETE |
| | ELECTRICAL BOX | | DI DRAIN INLET |
| | GAS BOX | | D DIRT |
| | HANDRAIL | | FNC FENCE - CHAIN LINK |
| | IRRIGATION CONTROL VALVE | | P PAVEMENT |
| | LIGHT - AREA | | ST STRIPING |
| | SEWER CLEANOUT | | TBC TOP BACK OF CURB |
| | SEWER MANHOLE | | T TURF/GRASS |
| | SIGN SINGLE POST | | |
| | STORM DRAIN INLET | | |
| | TREE, TRUNK SIZE AS NOTED | | |
| | WATER VALVE | | |
| | WHEELSTOP | | |
| | CONCRETE | | |
| | FENCE - CHAIN LINK | | |
| | EXISTING BUILDING | | |
| | EXISTING ASPHALT CONCRETE | | |
| | EXISTING CONCRETE | | |
| | TRUNCATED DOMES | | |

NOTES:

1. THE TOPOGRAPHIC SURVEY WAS PERFORMED ON NOVEMBER 18, 2018.
2. THE TOPOGRAPHIC SURVEY IS ONLY A PARTIAL SURVEY OF THE SPECIFIC PHYSICAL FEATURES OF THE SITE AND THEIR ELEVATIONS. NOT ALL AREAS OF WORK WERE INCLUDED IN THE TOPOGRAPHIC SURVEY.
3. THE SURFACE FEATURES OF THE UTILITIES SHOWN WERE OBTAINED AT THE TIME OF THE TOPOGRAPHIC SURVEY AND FROM A UTILITY SEARCH OF PLANS PROVIDED BY THE OWNER. IT IS POSSIBLE THAT ADDITIONAL UTILITIES MAY BE PRESENT THAT WERE NOT REVEALED THROUGH THE UTILITY SEARCH. NO GUARANTEE CAN BE MADE ON THE ACCURACY OR COMPLETENESS OF THE UTILITIES SHOWN.
4. THE EXISTENCE AND LOCATION OF ALL IMPROVEMENTS, UTILITIES, STRUCTURES, BUILDINGS, PARTY WALLS, PARKING STALLS, EASEMENTS, SEWERLINES AND ENCROACHMENTS ARE BASED SOLELY ON ABOVE GROUND, VISIBLE EVIDENCE.

SITE BENCHMARK:

AME POINT NO. 2
 SET CHISELED "X" ON TOP OF CONCRETE SLAB, 102% EAST OF CENTER OF MAIN DOUBLE GATE, 50% WEST OF NORTHERN MOST SEWER MANHOLE.
 ELEVATION = 299.98' (ASSUMED DATUM)

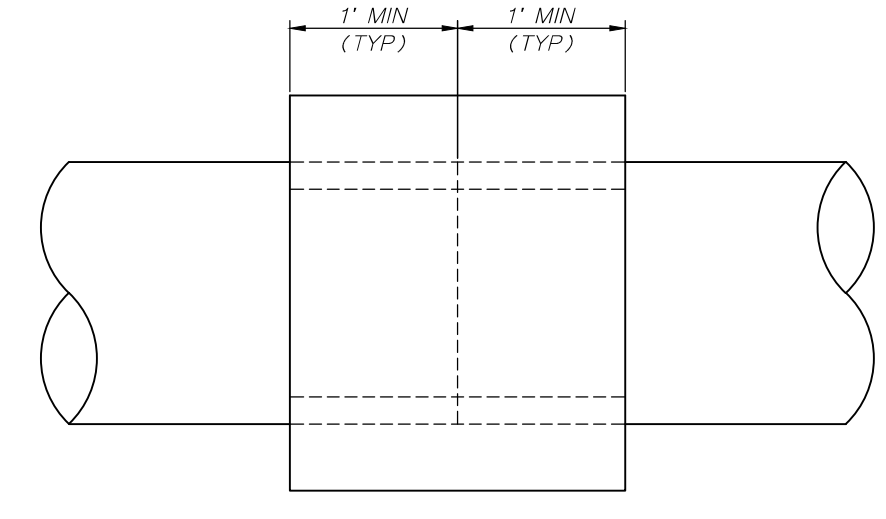
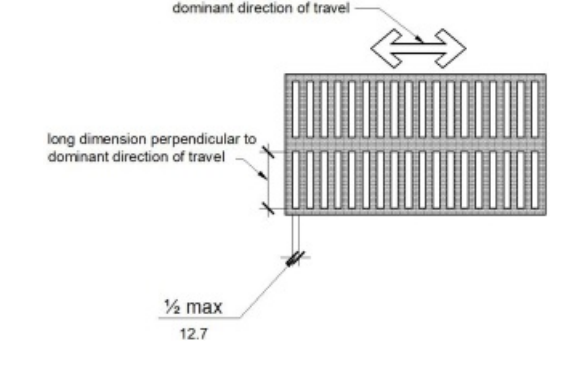


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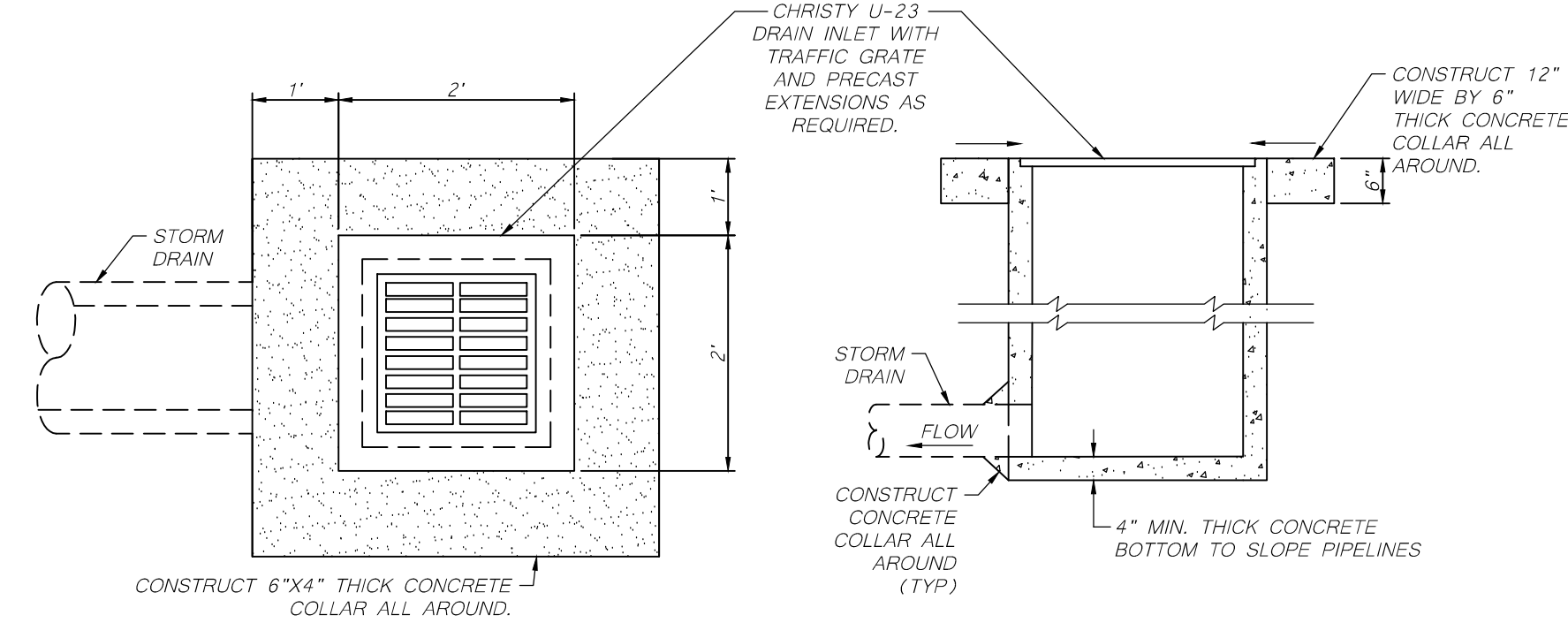
P:\2025 PROJECTS\25-0204\DRAWINGS\PRODUCTION DRAWINGS\25-0204_TP.DWG PLOT BY SANLENG PHEN

NOTE FOR TRAFFIC RATED GRATES:
 OPENINGS IN FLOOR OR GROUND SURFACES SHALL NOT ALLOW PASSAGE OF A SPHERE GREATER THAN 1/2" DIAMETER. ELONGATED OPENING SHALL BE PLACED SO THAT THE LONG DIMENSION IS PERPENDICULAR TO THE DOMINANT DIRECTION OF TRAVEL

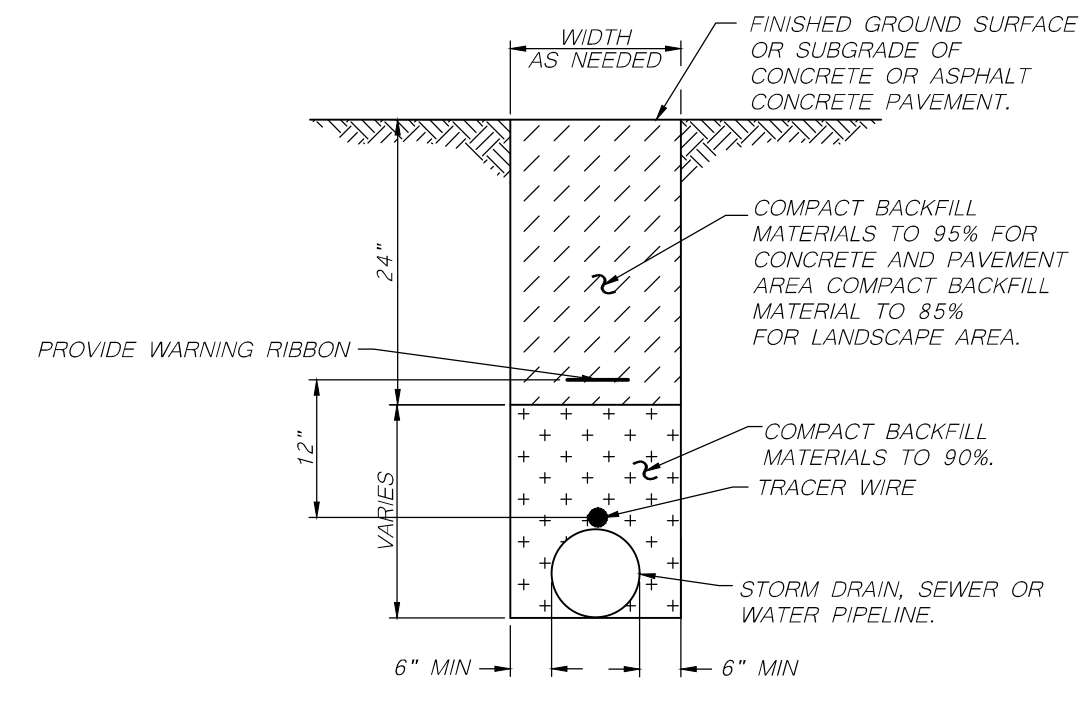


- NOTES:**
1. CONCRETE COLLAR SHALL BE CLASS A CONCRETE
 2. INSIDE OF COLLAR SHALL MATCH PIPE DIAMETER, SMOOTH STEEL TROWEL FINISH.
 3. ALLOW CONCRETE TO HARDEN BEFORE BACKFILLING.
 4. WHEN FORMING ANGLES ENGINEER MAY REQUIRE CHAMFERING OF PIPE ENDS.

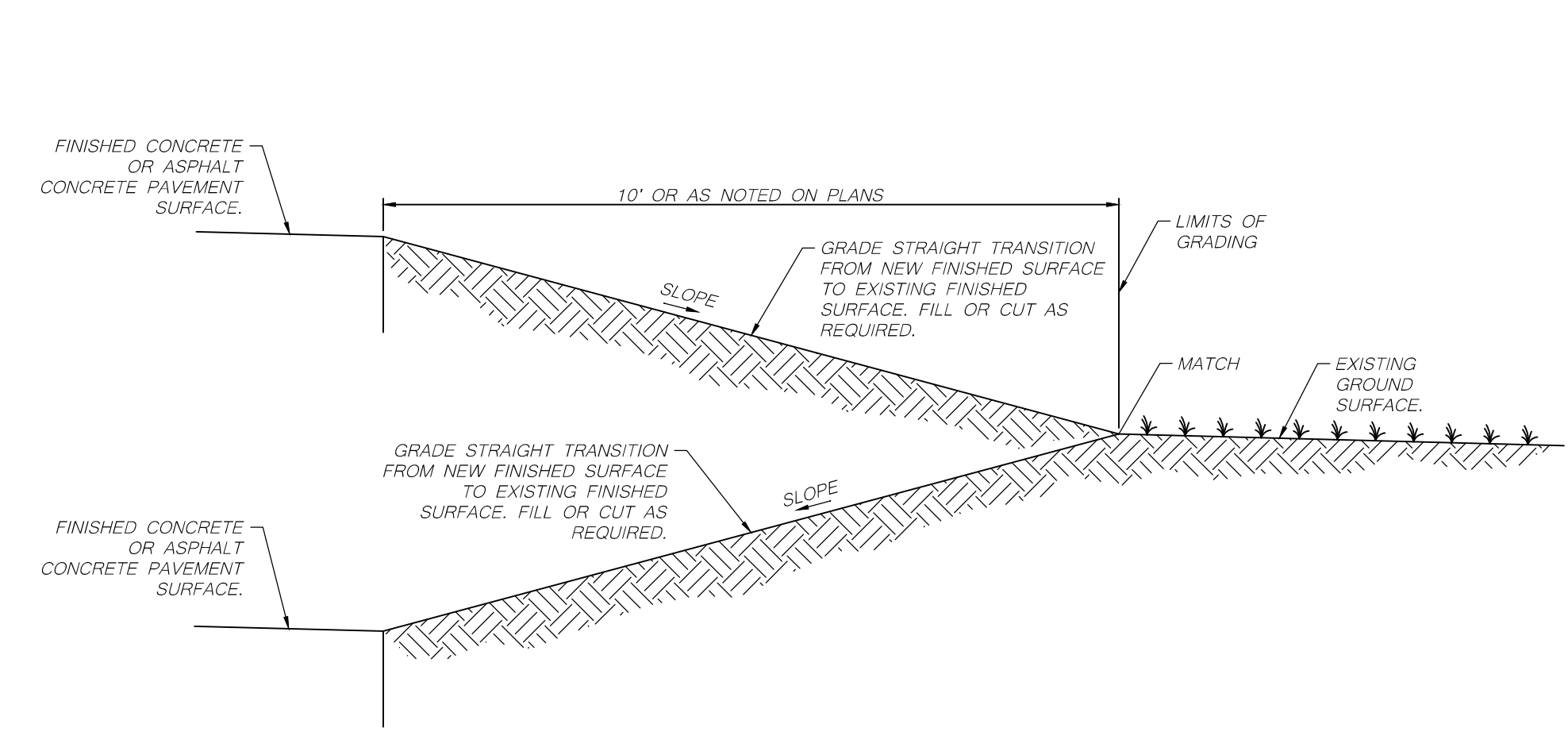
(A) CONCRETE COLLAR
 NOT TO SCALE



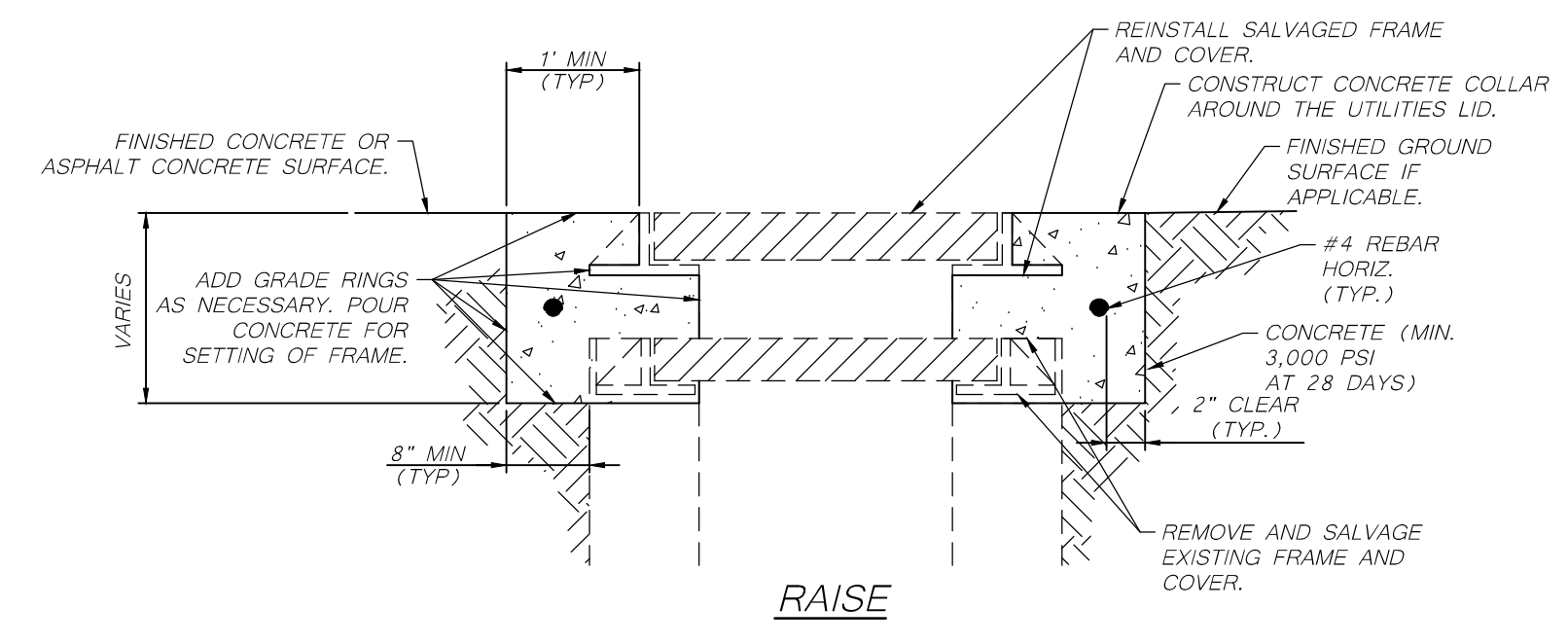
(B) CHRISTY U-21 INLET
 NOT TO SCALE



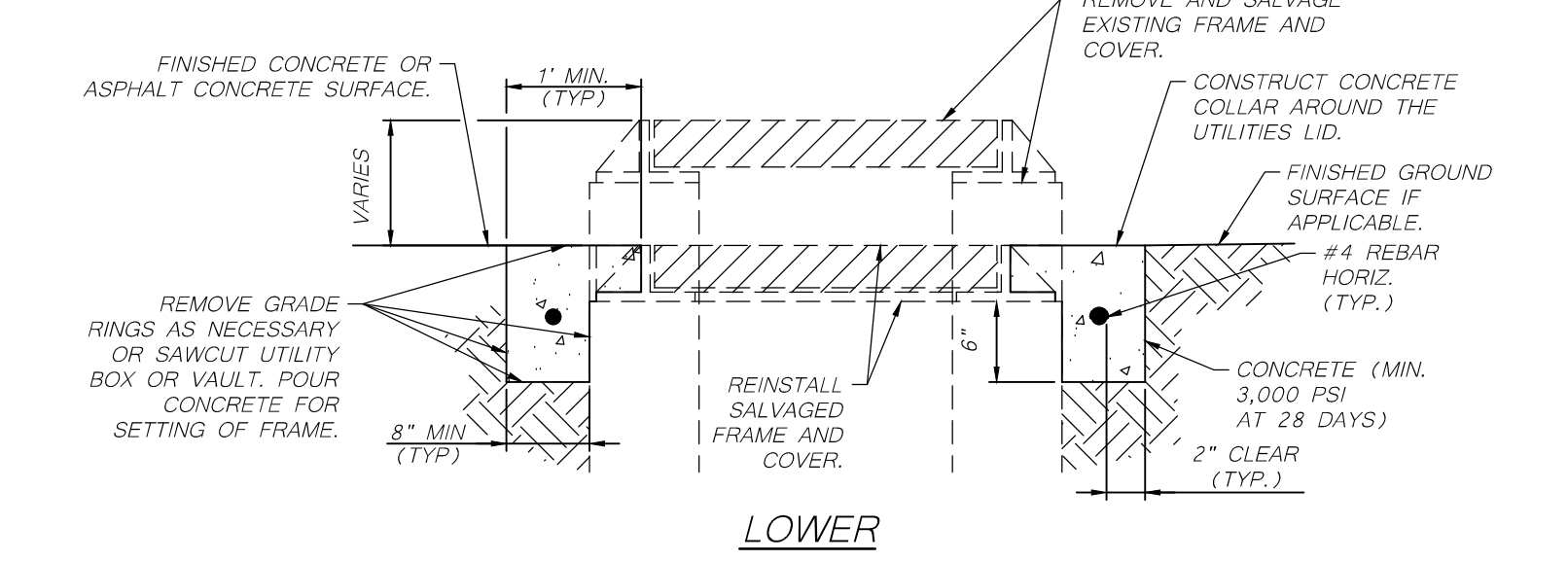
(C) TRENCH BACKFILL
 NOT TO SCALE



(D) GRADING TRANSITION
 NOT TO SCALE

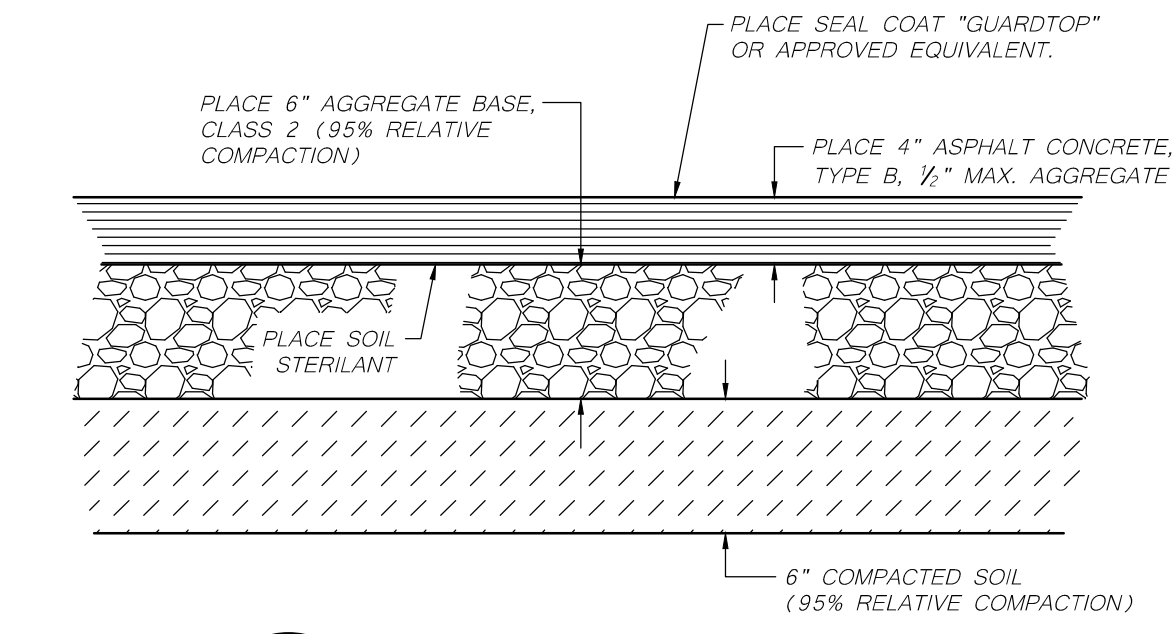


RAISE

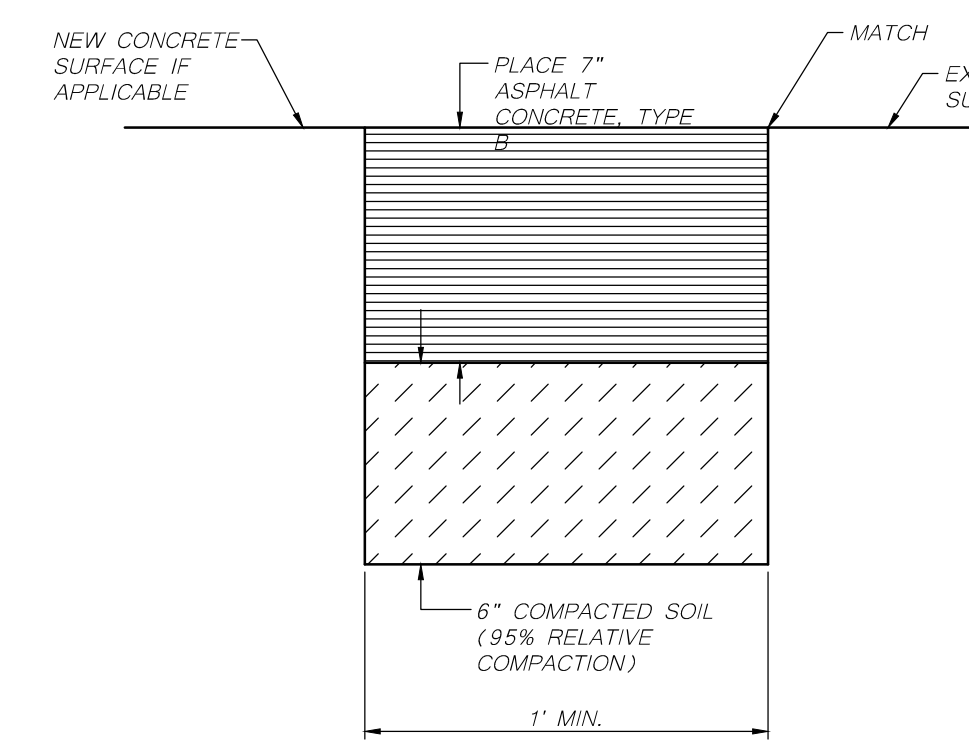


LOWER

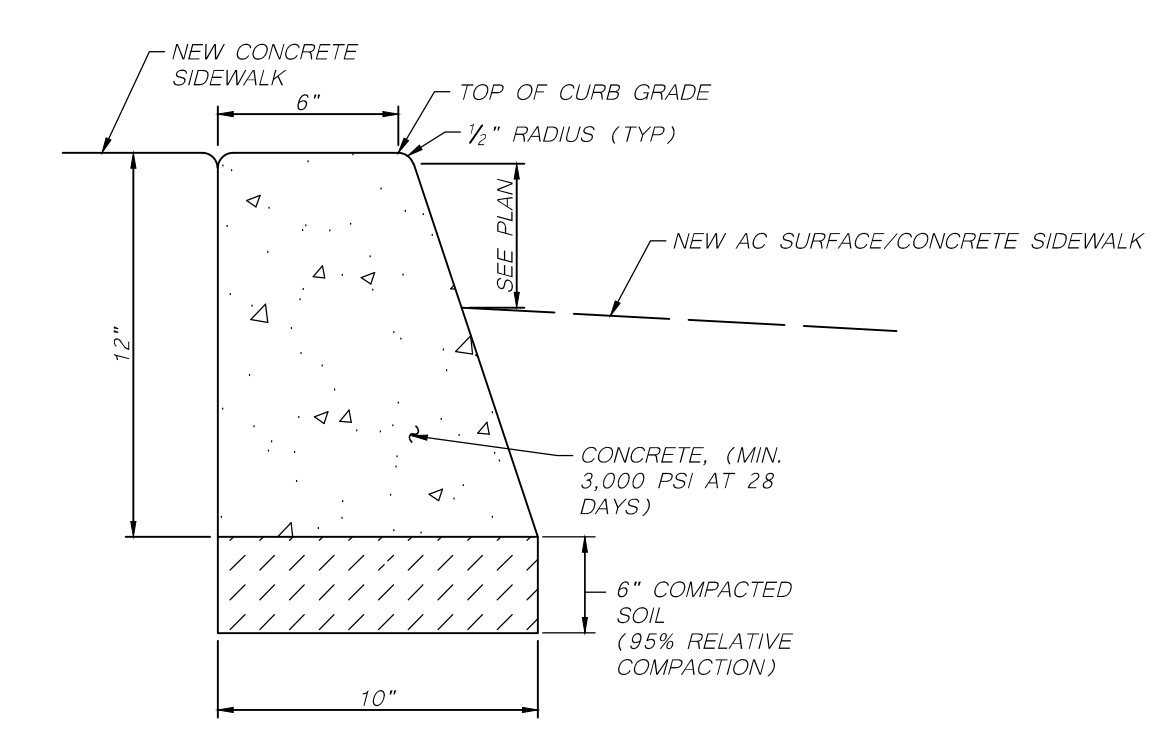
(E) ADJUST UTILITY LID
 NOT TO SCALE



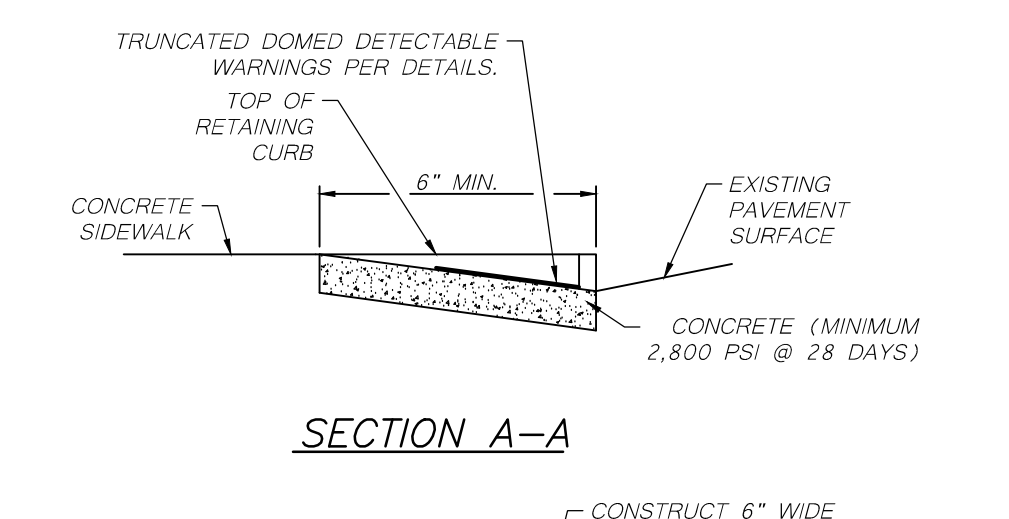
(F) PAVEMENT SECTION
 NOT TO SCALE



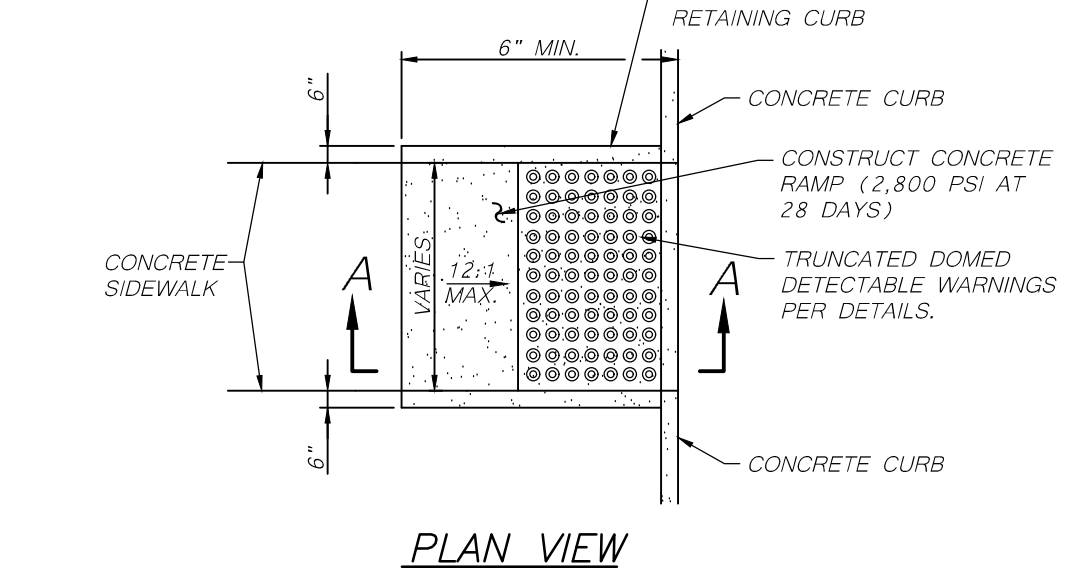
(G) 7" THICK ASPHALT CONCRETE PLUG
 NOT TO SCALE



(H) CONCRETE CURB
 NOT TO SCALE

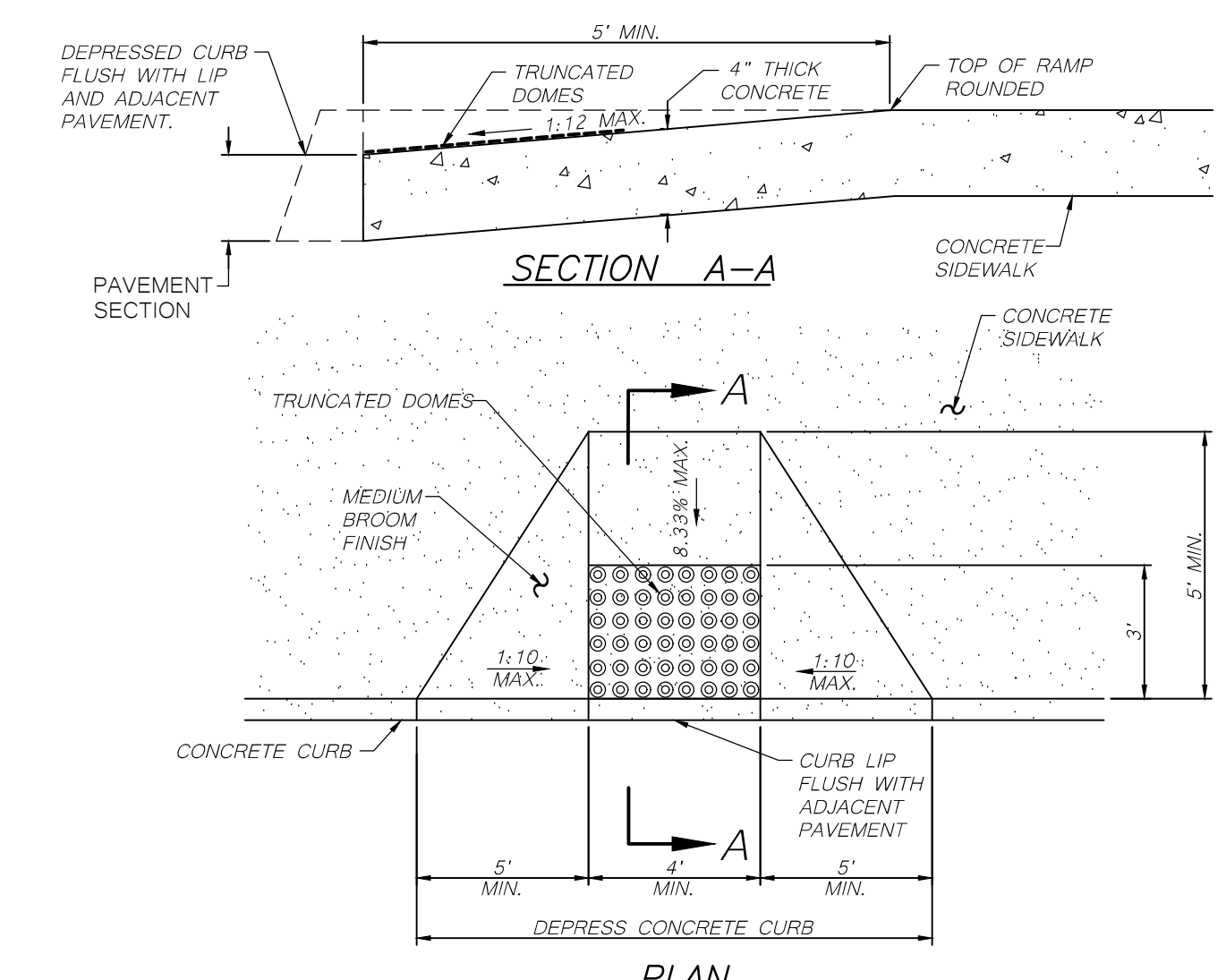


SECTION A-A



PLAN VIEW

(I) ACCESSIBLE INLINE RAMP
 NOT TO SCALE



SECTION A-A

PLAN

(J) CURB RAMP (CURB ONLY)
 NOT TO SCALE

REVISION	DESCRIPTION

La Paloma High School
 New Shade Structure



400 Ghiggeri Dr.
 Brentwood
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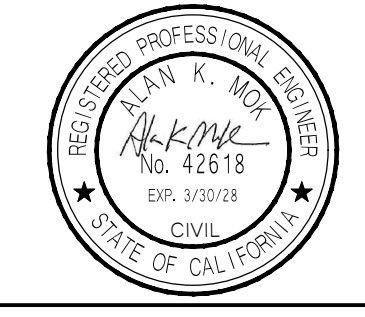
Project Number:
 Submittal Date:

KEYPLAN

SHEET TITLE

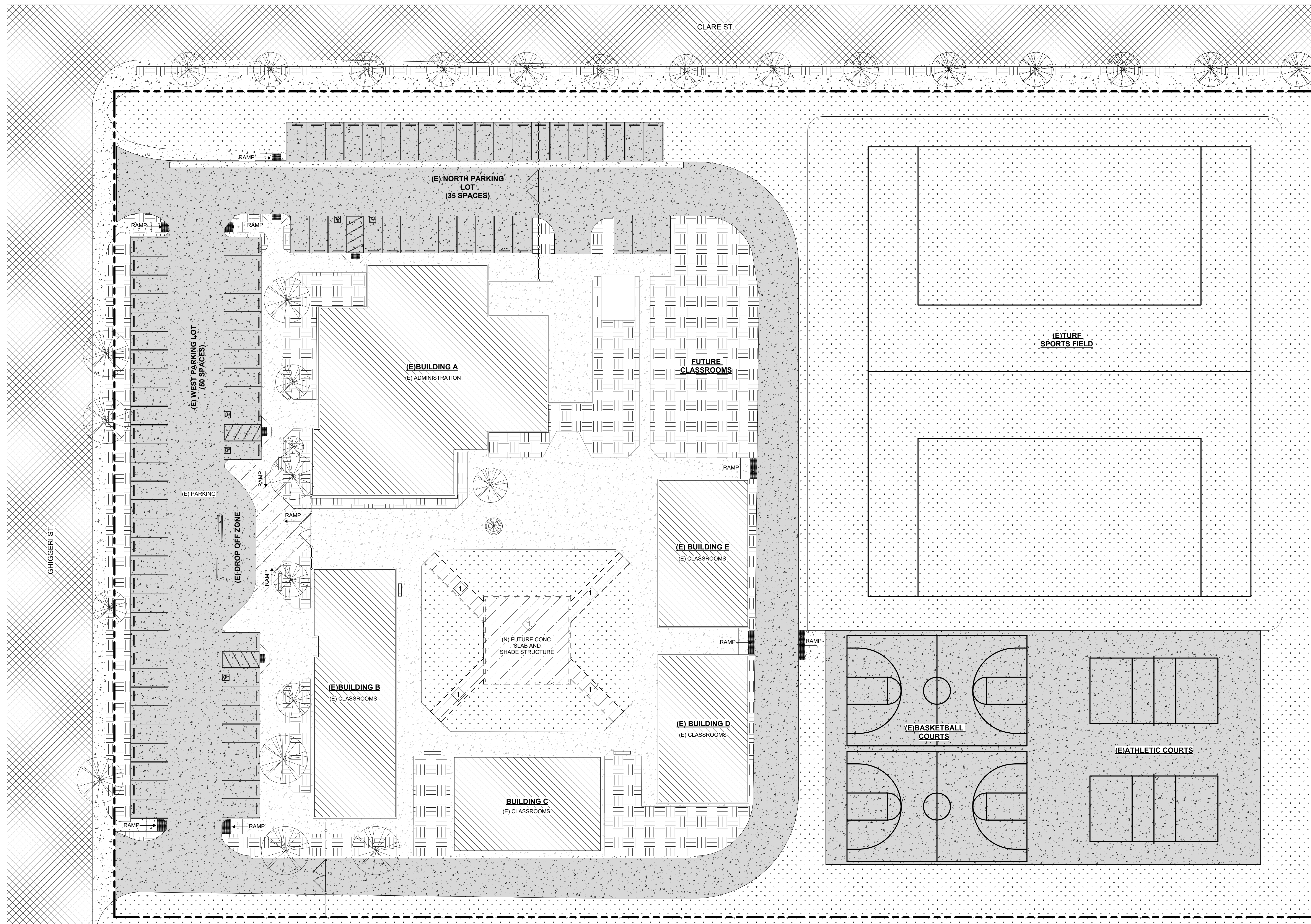
DETAILS

C3



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Alan Mok Engineering



1 DEMO SITE PLAN
1" = 20'-0"

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 01-122810 INC.
REVIEWED FOR:
SS FLS ACS
DATE: 06/25/2026



REVISION	DESCRIPTION

La Paloma High School
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Project Number
Issue Date

KEYNOTES

1 (E) LANDSCAPING TO BE SCARIFIED AND IRRIGATION BUBBLERS TO BE CAPPED

LEGEND

	ACCESSIBLE PATH OF TRAVEL		DEMO LANDSCAPING		(E) TREES TO REMAIN PROTECT
	(E) TREES TO BE REMOVED CAP IRRIGATION		(E) CONCRETE PAVING		
	(E) FIRE HYDRANT		(N) CONCRETE PAVING		
	(E) CHAINLINK FENCING		(E) ASPHALT CONCRETE PAVING		
	PROPERTY LINE		(E) LANDSCAPING		
	(E) BUILDINGS		(N) BUILDINGS AND STRUCTURES		
	(E) PLANTER AREAS				

GENERAL NOTES

A. DIMENSIONS INDICATED TO EXISTING WALLS ARE FOR REFERENCE ONLY. CONTRACTOR TO FIELD VERIFY ALL DIMENSIONS AND NOTIFY ARCHITECT FOR ANY NECESSARY CLARIFICATIONS PRIOR TO BID AND/OR PROCEEDING WITH WORK.

B. CONTRACTOR SHALL, AT NO ADDITIONAL COST TO THE OWNER REPLACE ANY ACOUSTICAL TILE, GYPSUM BOARD, CEMENT PLASTER, WOOD VENEER, FLOOR TILES, CARPET AND ANY OTHER FINISHES, DAMAGED DURING THE COURSE OF CONSTRUCTION OF THIS PROJECT. THE WORK SHALL BE REPAIRED IN KIND, TEXTURED AND FINISHED TO MATCH EXISTING ADJACENT SURFACES.

C. REFER TO STRUCTURAL, PLUMBING, MECHANICAL AND ELECTRICAL DRAWINGS FOR OTHER ITEMS TO BE REMOVED, RELOCATED AND INSTALLED.

D. CONTRACTOR SHALL VERIFY ALL CONDITIONS PRIOR TO PROCEEDING WITH ANY WORK. CONTRACTOR SHALL IMMEDIATELY NOTIFY ARCHITECT OF ANY EXISTING CONDITIONS WHICH MAY CONFLICT WITH INFORMATION PROVIDED IN CONSTRUCTION DOCUMENTS.

E. ALL DIMENSIONS ARE FOR REFERENCE ONLY OF EXISTING ELEMENTS.

F. EXISTING UTILITIES TO BE CUT AND CAPPED IN WALL OR RE-USED WHERE FEASIBLE AT LOUNGE SIDE OF WALL.

G. EXISTING UTILITIES TO BE CUT AND CAPPED IN WALL ON KITCHEN SIDE.

H. EXISTING FLOOR SINK(S) IN KITCHEN NO LONGER USED TO BE COVERED.

SHEET TITLE
DEMO SITE PLAN

A0.00



REVISION	DESCRIPTION

La Paloma High School
 New Shade Structure



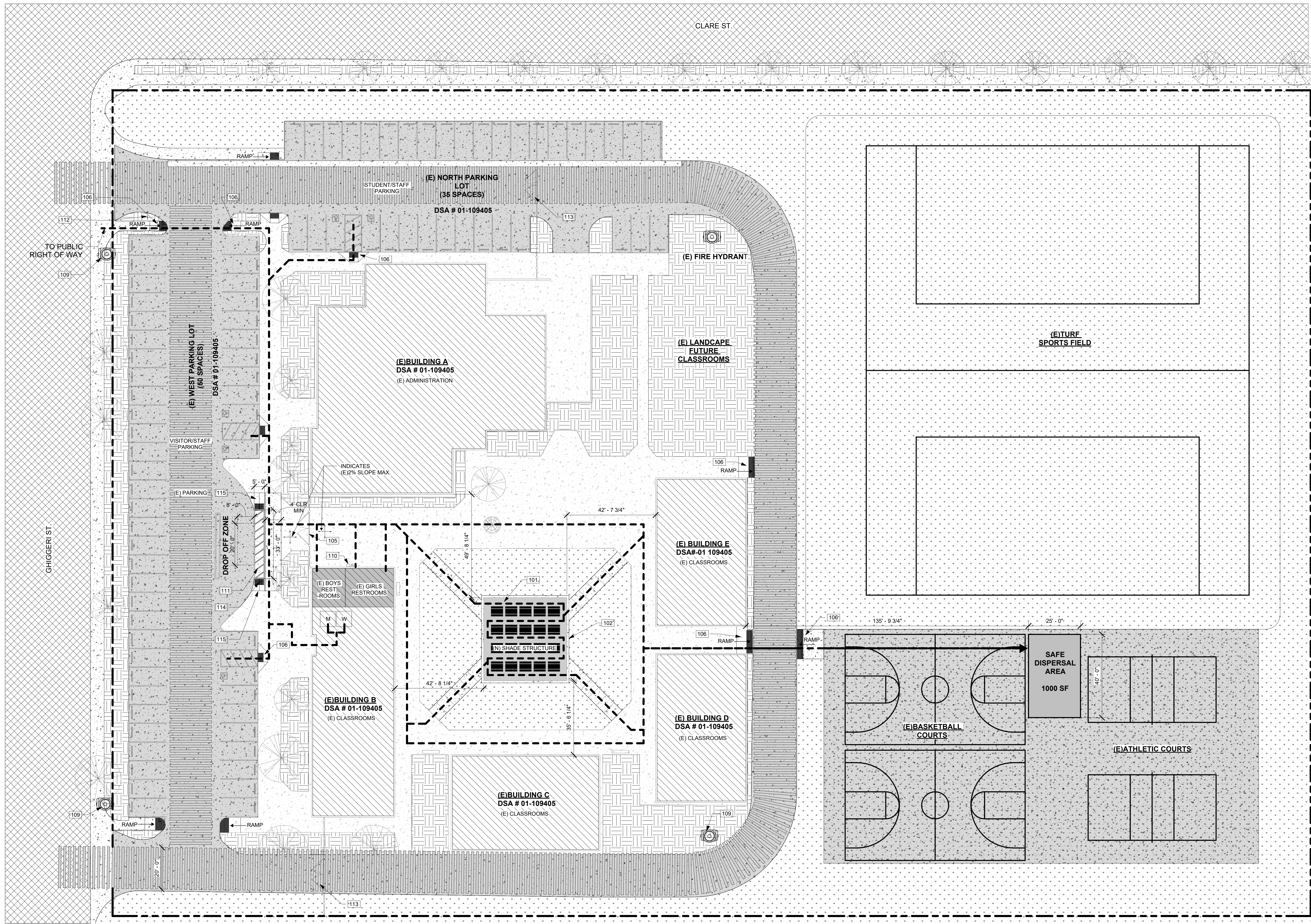
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Project Number
 Issue Date

SHEET TITLE
SITE PLAN
A0.01



1 SITE PLAN
 1" = 20'-0"

KEYNOTES

- 101 (N) SHADE STRUCTURE ABOVE. SEE USA SHADE SHEETS FOR CONSTRUCTION DETAILS
- 102 (N) NEW CONCRETE SLAB 2/A5.00
- 103 (N) ACCESSIBLE WALKS 2/A5.00
- 104 (E) TURF AREA TO REMAIN
- 105 (E) SERVICE GATE TO BE KEPT OPEN BY AUTHORIZED PERSONNEL ONLY DURING SCHOOL OPERATING HOURS. (E) GATE DOES NOT HAVE AN ASSOCIATED APP# AND SHALL BE REVIEWED AND INSPECTED UNDER THIS SUBMITTAL APP# 01-122810 REFER TO DETAIL 1/A5.01
- 106 (E) ACCESSIBLE CURB RAMPS TO REMAIN PER APP# 01-109405
- 107 (E) CONCRETE DRAINAGE STRIP
- 108 (E) CONCRETE WHEELSTOPS
- 109 (E) FIRE HYDRANT

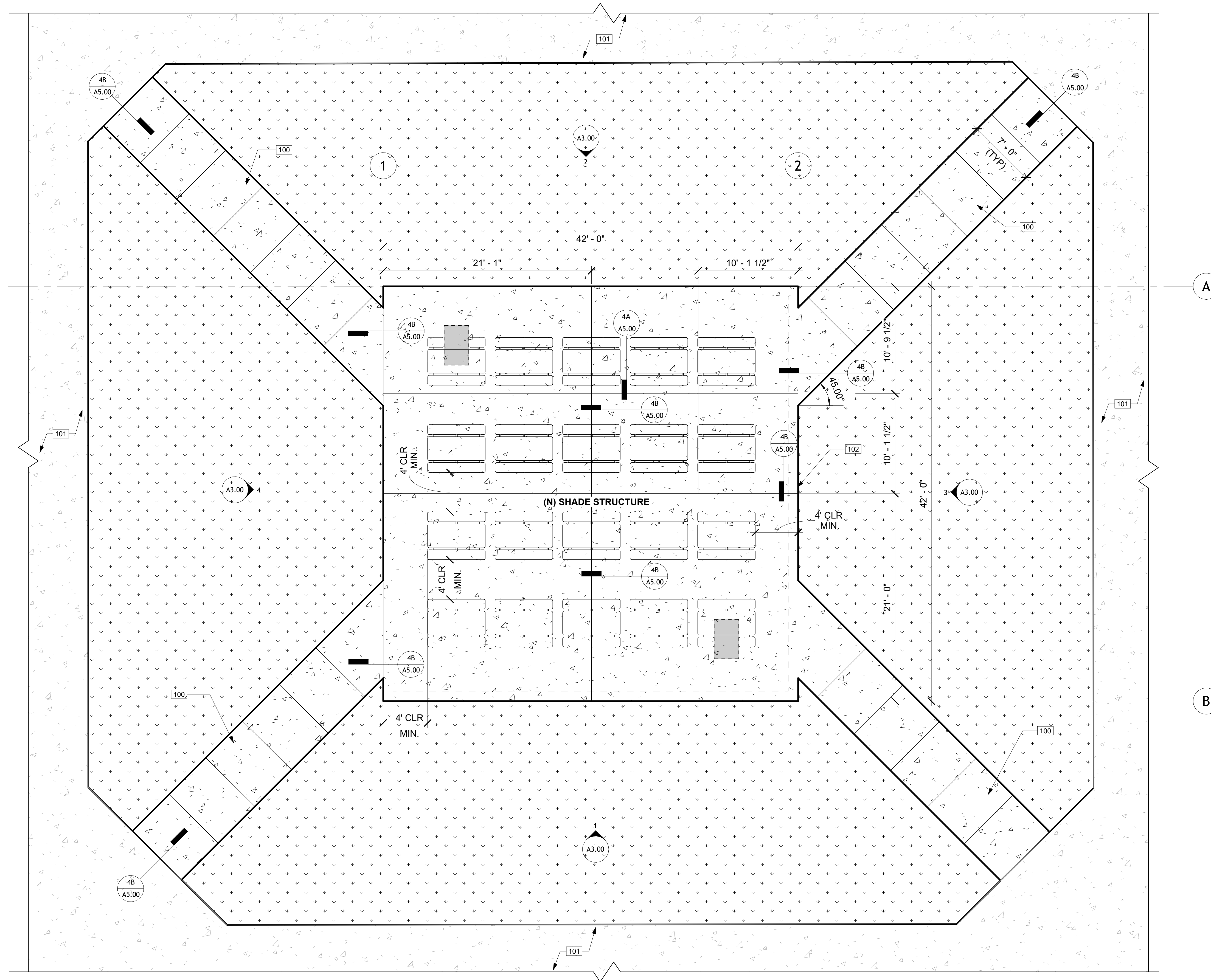
- 110 (E) DRINKING FOUNTAIN. DRINKING FOUNTAINS WERE NOT MOUNTED AT COMPLIANT ACCESSIBLE HEIGHTS & MISSING A PROTECTION RAILS. DETAILS HAVE BEEN PROVIDED FOR DEMO & PROPOSED TO BRING INTO COMPLIANCE. SEE DETAILS 1,2,6,7,8 AND 9 ON SHEET A5.00 AND DETAIL 3 ON SHEET A5.01.
- 111 (N) DROP OFF STRIPING 4" STRIPING AT 36" O.C. ; 45 DEGREES IN YELLOW OR WHITE
- 112 (E) TOW AWAY SIGN PER APPLIC# 01-109405
- 113 (E) EMERGENCY VEHICULAR GATES PROVIDE KNOX BOX APPLIC# 01-109405
- 114 (N) DETECTABLE WARNINGS PER DETAIL 2/A5.01
- 115 (N) CURB RAMP 8.33% MAX. SLOPE

LEGEND

	ACCESSIBLE PATH OF TRAVEL		DEMO SURFACES
	(E) TREES TO BE REMOVED CAP IRRIGATION		(E) CONCRETE PAVING
	(E) FIRE HYDRANT		(E) ASPHALT CONCRETE PAVING
	(E) CHAINLINK FENCING		(E) LANDSCAPING
	(E) PROPERTY LINE		(N) BUILDINGS AND STRUCTURES
	(E) BUILDINGS		20' FIRE LANE DSA # 01-109405
	(E) PLANTER AREAS		(N) ACCESSIBLE WALK

GENERAL NOTES

1. ACCESSIBLE PATH OF TRAVEL AS INDICATED ON PLAN IS A BARRIER-FREE ACCESS ROUTE WITHOUT ABRUPT LEVEL CHANGES EXCEEDING 1/2" IF BEVELED AT 1:2 MAXIMUM SLOPE OR VERTICAL LEVEL CHANGES NOT EXCEEDING 14" MAXIMUM AND AT LEAST 48 IN WIDTH. SURFACE IS STABLE, FIRM, AND SLIP-RESISTANT. CROSS-SLOPE SHALL NOT BE STEEPER THAN 1:48 AND SLOPE IN THE DIRECTION OF TRAVEL SHALL NOT BE STEEPER THAN 1:20. ACCESSIBLE PATH OF TRAVEL SHALL BE MAINTAINED FREE OF OVERHANGING OBSTRUCTIONS TO 80 MINIMUM AND FREE OF OBJECTS PROTRUDING MORE THAN 4" FROM THE WALL, ABOVE 27" AND LESS THAN 80" ABOVE THE FLOOR. ARCHITECT SHALL VERIFY THAT THERE ARE NO BARRIERS IN THE PATH OF TRAVEL.
2. DESIGN PROFESSIONAL IN GENERAL RESPONSIBLE CHARGE STATEMENT: THE POT 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 POT WAS EXAMINED AND ANY ELEMENTS, COMPONENTS OR PORTIONS OF THE POT THAT WERE DETERMINED TO BE NON-COMPLIANT 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 & SPECIFICATIONS INCORPORATED INTO THESE CONSTRUCTION DOCUMENTS. ANY NON-COMPLIANT ELEMENTS, COMPONENTS OR PORTIONS OF THE POT THAT WILL NOT BE CORRECTED BY THIS PROJECT BASED ON VALUATION THRESHOLD LIMITATIONS OR A FINDING OF UNREASONABLE HARDSHIP ARE INDICATED IN THESE CONSTRUCTION DOCUMENTS. DURING CONSTRUCTION, IF POT ITEMS WITHIN THE SCOPE OF THE PROJECT REPRESENTED AS CBC COMPLIANT ARE FOUND TO BE NON-COMPLYING BEYOND REASONABLE CONSTRUCTION TOLERANCES, THE ITEMS SHALL BE BROUGHT INTO COMPLIANCE WITH THE CBC AS A PART OF THIS PROJECT BY MEANS OF A CONSTRUCTION CHANGE DOCUMENT.
3. NEW SHADE STRUCTURE LOCATION DOES NOT CONFLICT WITH (E) DISPERSAL AREA



1 ENLARGED SHADE STRUCTURE PLAN
3/16" = 1'-0"

GENERAL NOTES

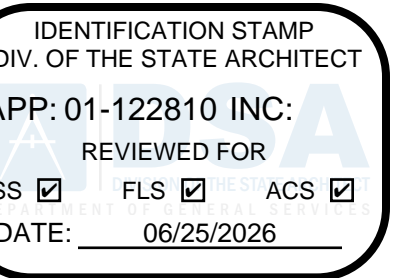
- 100 NEW CONCRETE SIDEWALK SEE 3/A5.00
- 101 EXISTING CONCRETE SIDEWALK AND PAVING TO REMAIN
- 102 (N) CONCRETE SLAB SEE DETAIL 3/A5.00
- 103 (N) ACCESSIBLE PICNIC TABLES SEE DETAIL 4/A5.01

LEGEND

- (N)ACCESSIBLE PATH OF TRAVEL
- (E) TREES TO BE REMOVED CAP IRRIGATION
- (E) FIRE HYDRANT
- (E) CHAINLINK FENCING
- (E)PROPERTY LINE
- (E) BUILDINGS
- (E)PLANTER AREAS
- DEMO PAVING, LANDSCAPE, ASPHALT
- (N)CONCRETE PAVING
- (E) ASPHALT CONCRETE PAVING
- (E) LANDSCAPING
- (N) BUILDINGS AND STRUCTURES
- (N) ACCESSIBLE WALK
- INDICATES 30" X 48" CLEARANCE WITH 2% MAX. SLOPE IN ANY DIRECTION

KEYNOTES

1. VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS IN THE FIELD PRIOR TO COMMENCEMENT OF WORK. NOTIFY ARCHITECT OF ANY DISCREPANCIES.
2. CONTRACTOR SHALL REVIEW AND COORDINATE ALL ARCHITECTURAL, CIVIL, STRUCTURAL, LANDSCAPE, ELECTRICAL, MECHANICAL, PLUMBING, AND TECHNOLOGY DRAWINGS PRIOR TO CONSTRUCTION.
3. ALL WORK SHALL COMPLY WITH THE CURRENT EDITION OF THE CALIFORNIA BUILDING CODE (CBC), CALIFORNIA FIRE CODE (CFC), CALIFORNIA ELECTRICAL CODE (CEC), CALIFORNIA MECHANICAL CODE (CMC), CALIFORNIA PLUMBING CODE (CPC), AND ALL APPLICABLE DSA REQUIREMENTS.
4. CONTRACTOR SHALL COMPLY WITH ALL APPLICABLE OSHA AND CAL/OSHA SAFETY REQUIREMENTS.
5. CONTRACTOR SHALL MAINTAIN SAFE ACCESS AND EGRESS TO OCCUPIED CAMPUS FACILITIES AT ALL TIMES DURING CONSTRUCTION.
6. PROVIDE TEMPORARY CONSTRUCTION FENCING, BARRICADES, AND SAFETY MEASURES TO SEPARATE CONSTRUCTION ACTIVITIES FROM OCCUPIED SCHOOL AREAS.
7. CONTRACTOR SHALL COORDINATE ALL REQUIRED UTILITY INTERRUPTIONS WITH OWNER PRIOR TO SHUTDOWN.
8. VERIFY LOCATION OF ALL EXISTING UNDERGROUND UTILITIES PRIOR TO EXCAVATION OR TRENCHING OPERATIONS.
9. CONTRACTOR SHALL CONTACT UNDERGROUND SERVICE ALERT PRIOR TO COMMENCING EXCAVATION.
10. REPAIR ALL EXISTING SURFACES DISTURBED BY CONSTRUCTION TO MATCH ADJACENT CONDITIONS.
11. PROVIDE DUST CONTROL MEASURES THROUGHOUT CONSTRUCTION OPERATIONS.
12. PROVIDE EROSION CONTROL AND SITE PROTECTION MEASURES THROUGHOUT CONSTRUCTION ACTIVITIES.
13. ALL NEW SITE IMPROVEMENTS SHALL BE INSTALLED TRUE AND LEVEL UNLESS NOTED OTHERWISE.
14. CONTRACTOR SHALL REMOVE ALL CONSTRUCTION DEBRIS DAILY AND MAINTAIN SITE IN CLEAN AND SAFE CONDITION.
15. PROTECT EXISTING TREES, LANDSCAPING, UTILITIES, PAVING, AND STRUCTURES TO REMAIN FROM DAMAGE DURING CONSTRUCTION.
16. ALL TRENCHING AND BACKFILL OPERATIONS SHALL COMPLY WITH PROJECT SPECIFICATIONS AND GEOTECHNICAL RECOMMENDATIONS. PATCH ASPHALT AT TRENCHING LOCATIONS TO MATCH EXISTING THICKNESS, FINISH, AND ADJACENT GRADES UNLESS NOTED OTHERWISE.
17. NEW ASPHALT PAVING SHALL PROVIDE POSITIVE DRAINAGE AND SHALL NOT CREATE PONDING CONDITIONS.
18. ALL ACCESSIBLE PATHS OF TRAVEL SHALL COMPLY WITH CBC CHAPTER 11B REQUIREMENTS.
19. CONTRACTOR SHALL MAINTAIN REQUIRED ACCESSIBLE ACCESS TO OCCUPIED FACILITIES DURING CONSTRUCTION.
20. INSTALL NEW FENCING AND GATES AS DETAILED. VERIFY ALL GATE SWINGS AND CLEARANCES PRIOR TO INSTALLATION.
21. ALL FENCE FOOTINGS SHALL BE LOCATED TO AVOID CONFLICT WITH UNDERGROUND UTILITIES.
22. PROVIDE SMOOTH AND SAFE TRANSITIONS BETWEEN NEW FENCING AND EXISTING CONDITIONS.
23. NOT USED
24. NOT USED
25. NOT USED
26. NOT USED
27. NOT USED
28. STRIPING, SIGNAGE, AND TRAFFIC CONTROL DEVICES SHALL COMPLY WITH APPLICABLE CALTRANS AND LOCAL JURISDICTION REQUIREMENTS.
29. DROP-OFF AREA SHALL MAINTAIN REQUIRED EMERGENCY VEHICLE ACCESS.
30. PROVIDE ACCESSIBLE PARKING, ACCESS AISLES, CURB RAMPS, AND ACCESSIBLE PATHS OF TRAVEL AS INDICATED.
31. ALL CURB RAMPS SHALL COMPLY WITH CBC CHAPTER 11B AND APPLICABLE DSA REQUIREMENTS.
32. FIELD VERIFY VEHICULAR TURNING RADII AND SITE CLEARANCES PRIOR TO CONSTRUCTION.
33. CONTRACTOR SHALL NOTIFY ARCHITECT OF ANY UNFORESEEN CONDITIONS PRIOR TO PROCEEDING WITH WORK.
34. DIMENSIONS TO FACE OF CURB, FACE OF FENCE, AND CENTERLINE OF STRIPING UNLESS NOTED OTHERWISE.
35. ANY MODIFICATIONS TO DSA-APPROVED DOCUMENTS SHALL REQUIRE REVIEW BY ARCHITECT AND DSA AS REQUIRED.
36. ALL WORK SHALL CONFORM TO APPROVED DSA DOCUMENTS.



REVISION	DESCRIPTION

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Brentwood
CA 94513

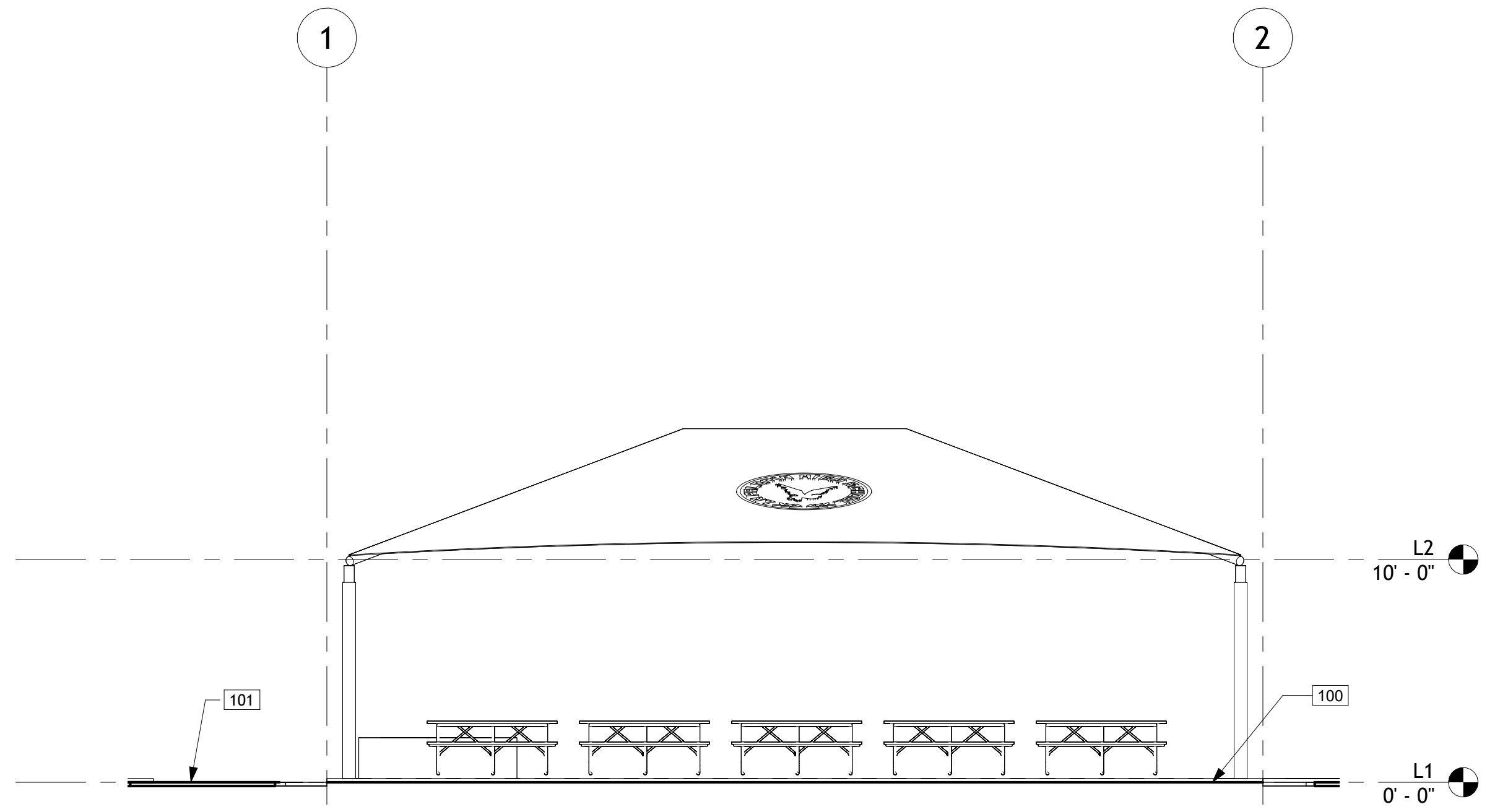


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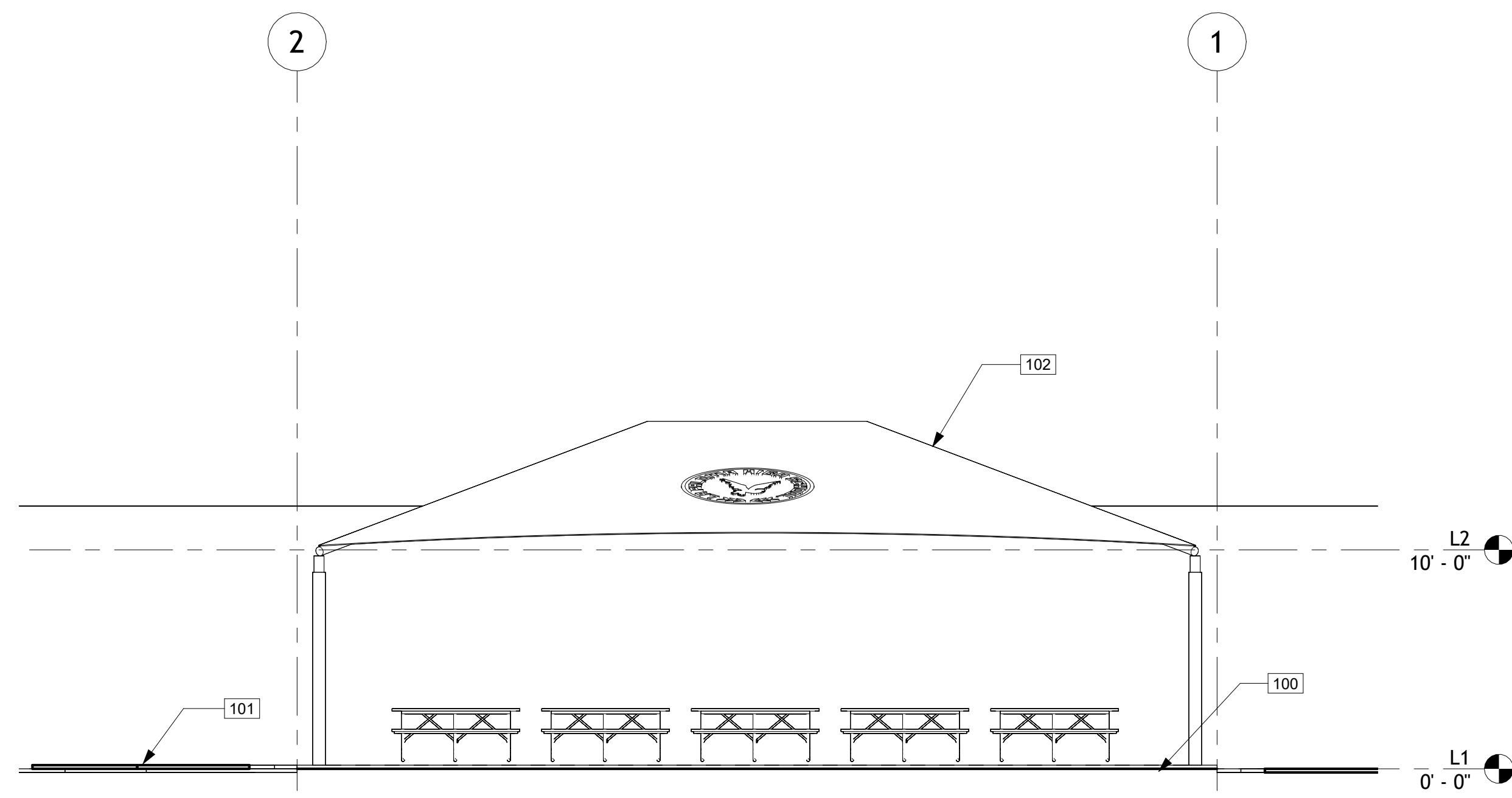
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Issue Date	

SHEET TITLE
ENLARGED PLAN

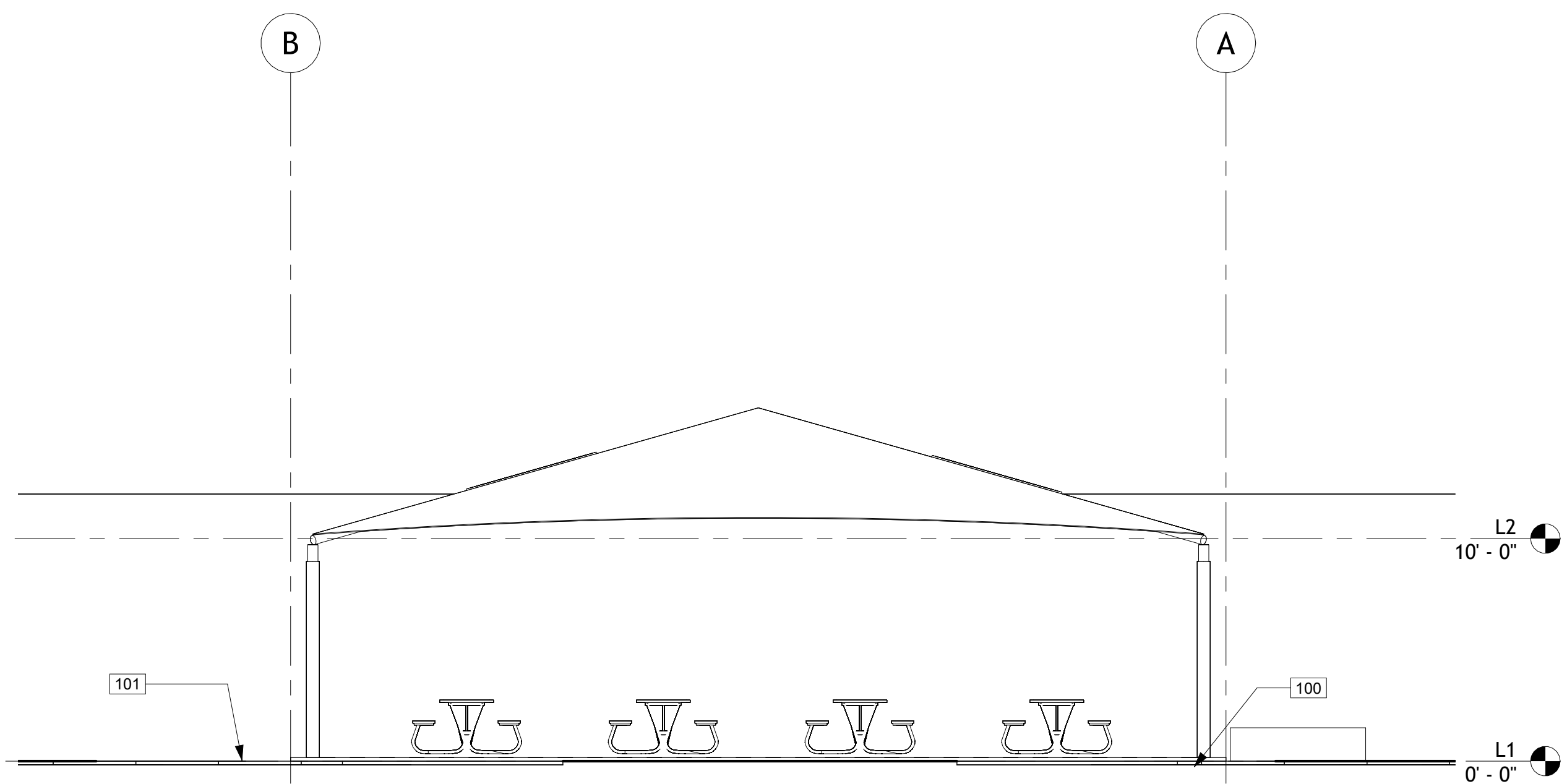
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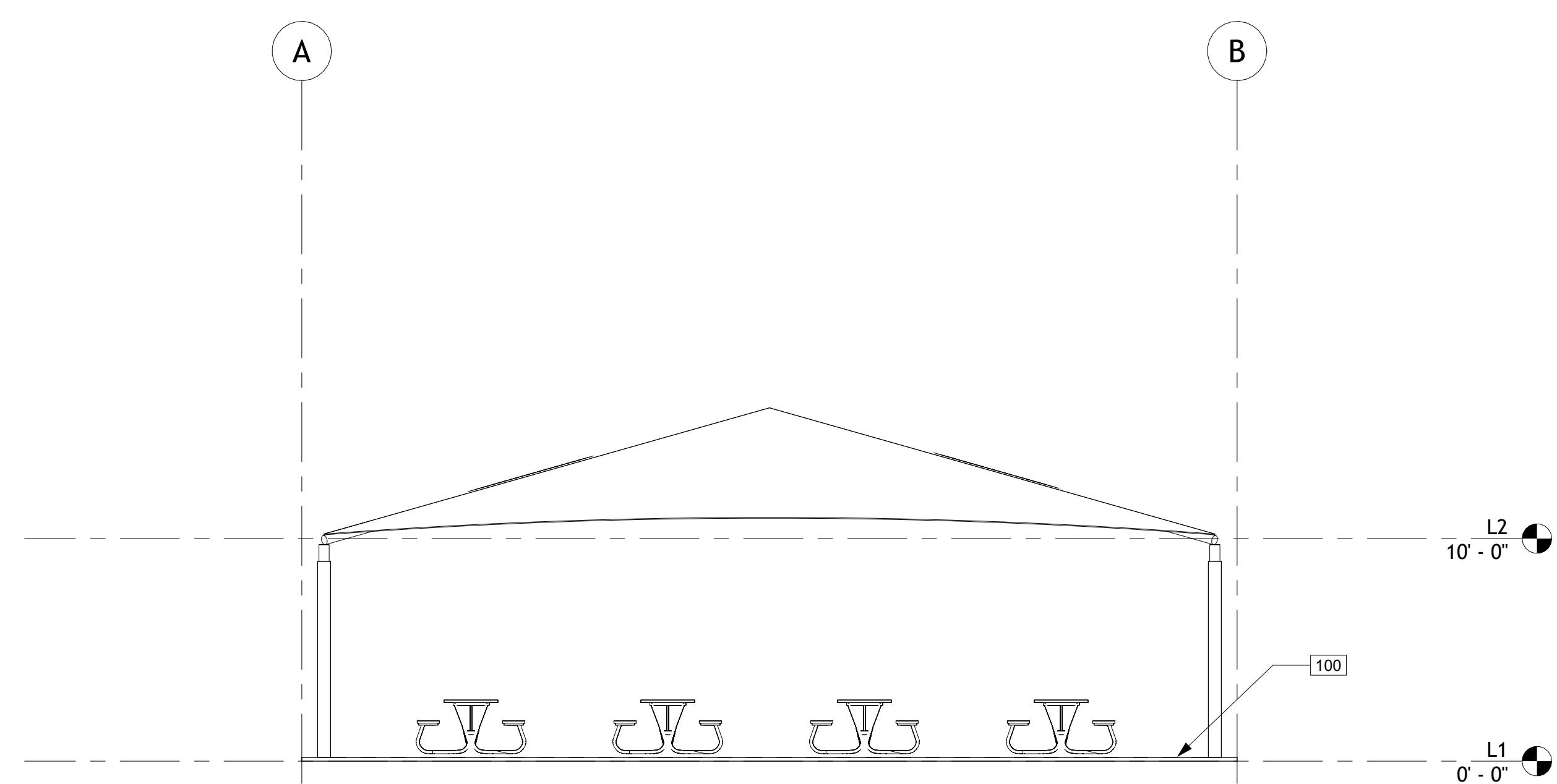
1 ELEVATION 3
3/16" = 1'-0"



2 ELEVATION 1
3/16" = 1'-0"



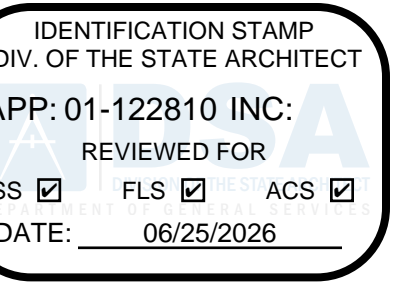
3 ELEVATION 2
3/16" = 1'-0"



4 ELEVATION 4
3/16" = 1'-0"

KEY NOTES

- 100 NEW CONCRETE SLAB
- 101 NEW CONCRETE SIDEWALK
- 102 SHADE STRUCTURE DESIGN AND FOUNDATION BY USA SHADE. SUBMIT COLOR SAMPLE TO SCHOOL DISTRICT AND ARCHITECT FOR APPROVAL



REVISION	DESCRIPTION

La Paloma High School
New Shade Structure



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GENERAL NOTES

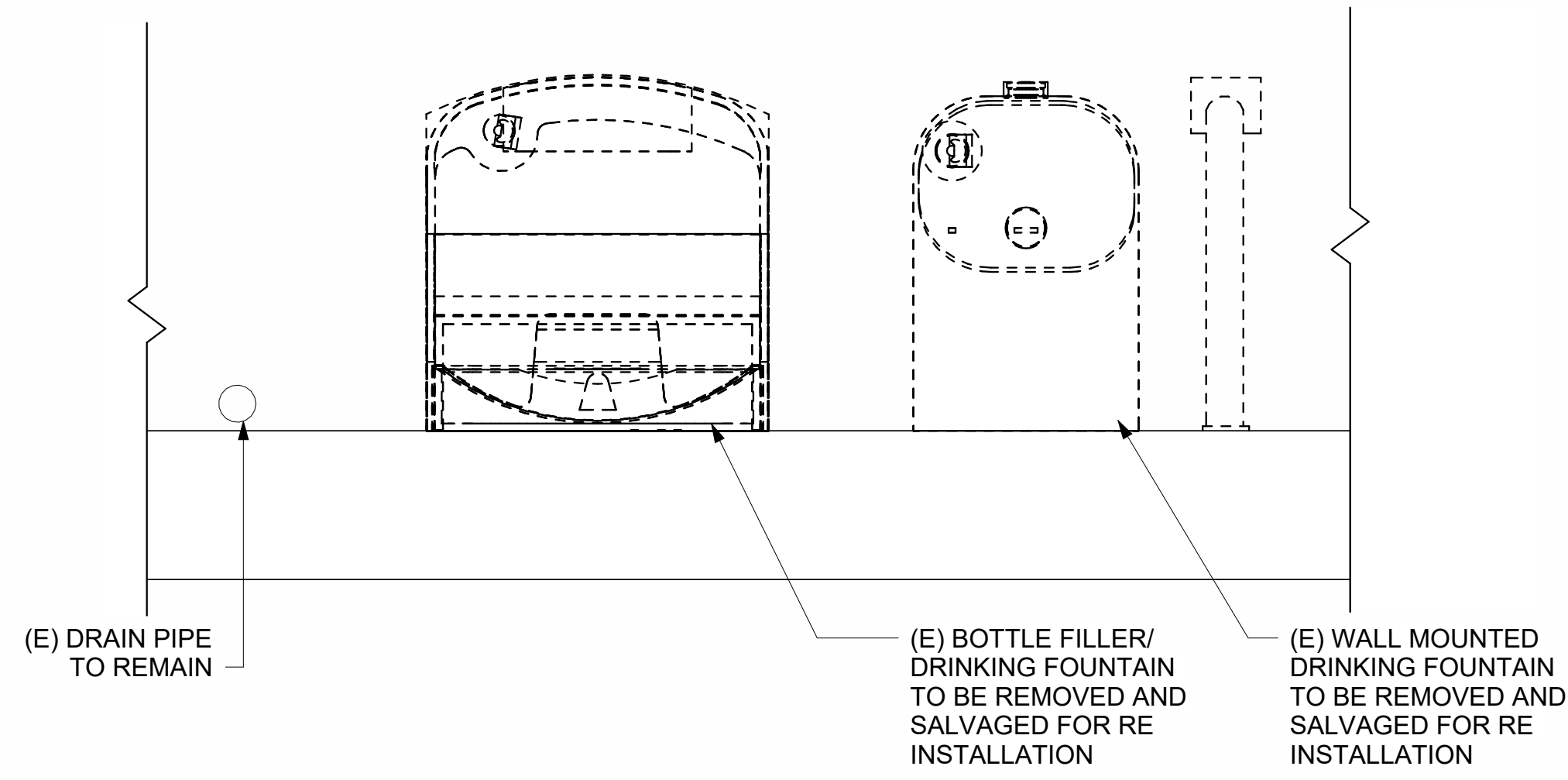


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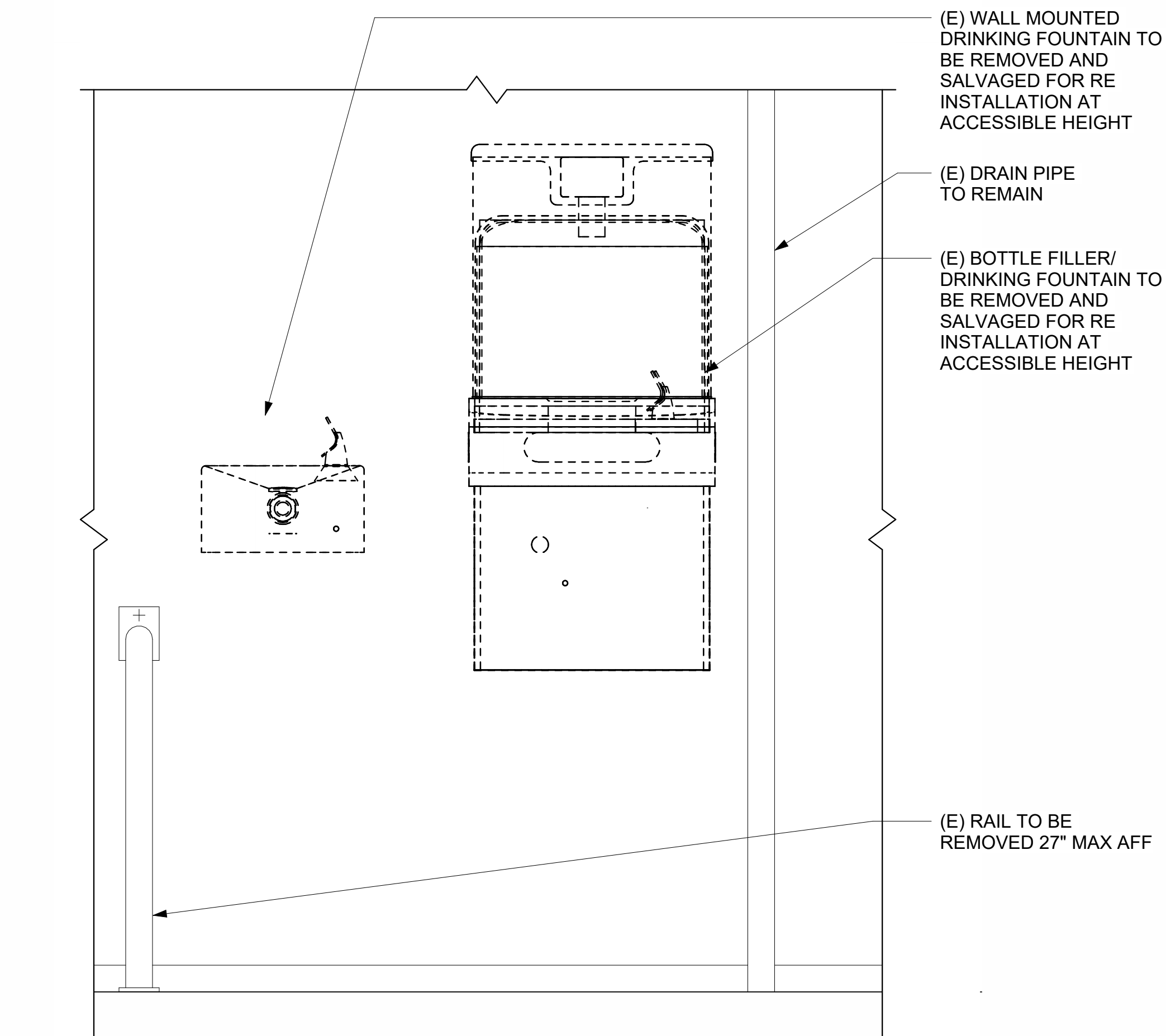
Project Number
Issue Date

SHEET TITLE
ELEVATIONS

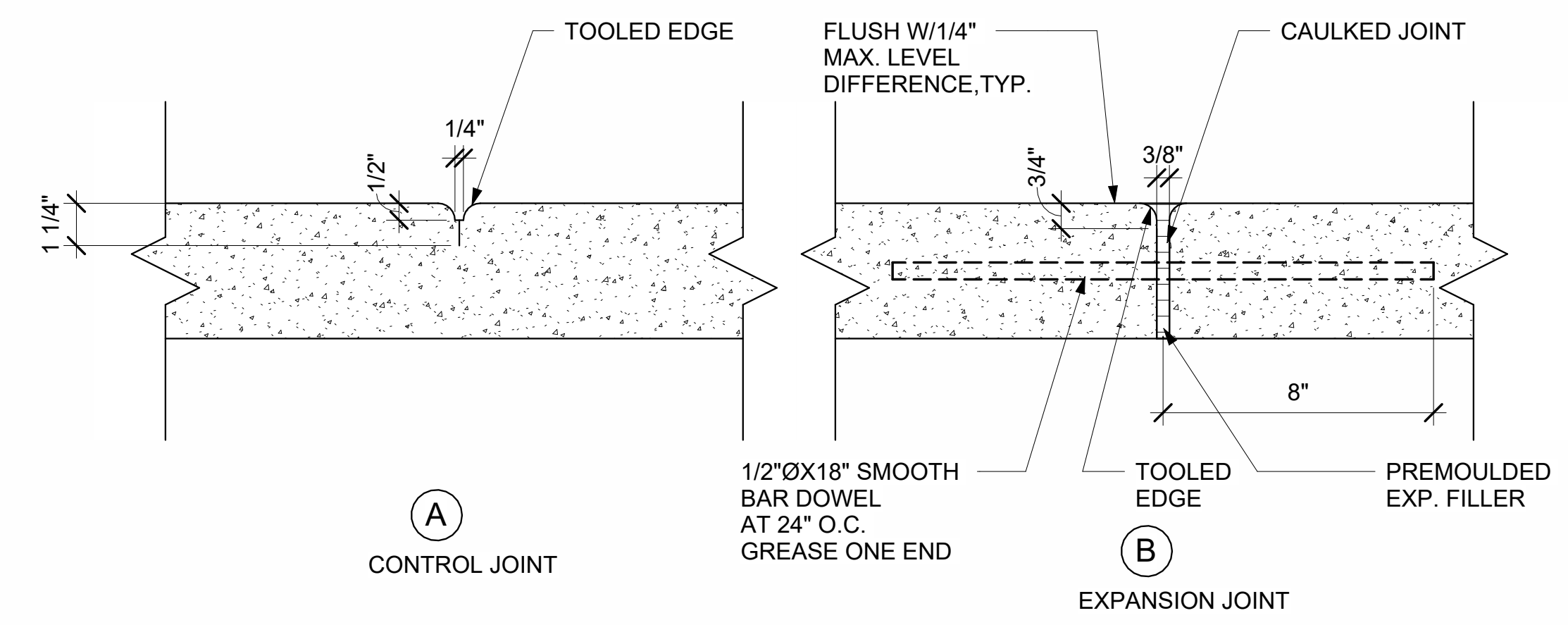
A3.00



9 DEMOLITION PLAN
1 1/2" = 1'-0"



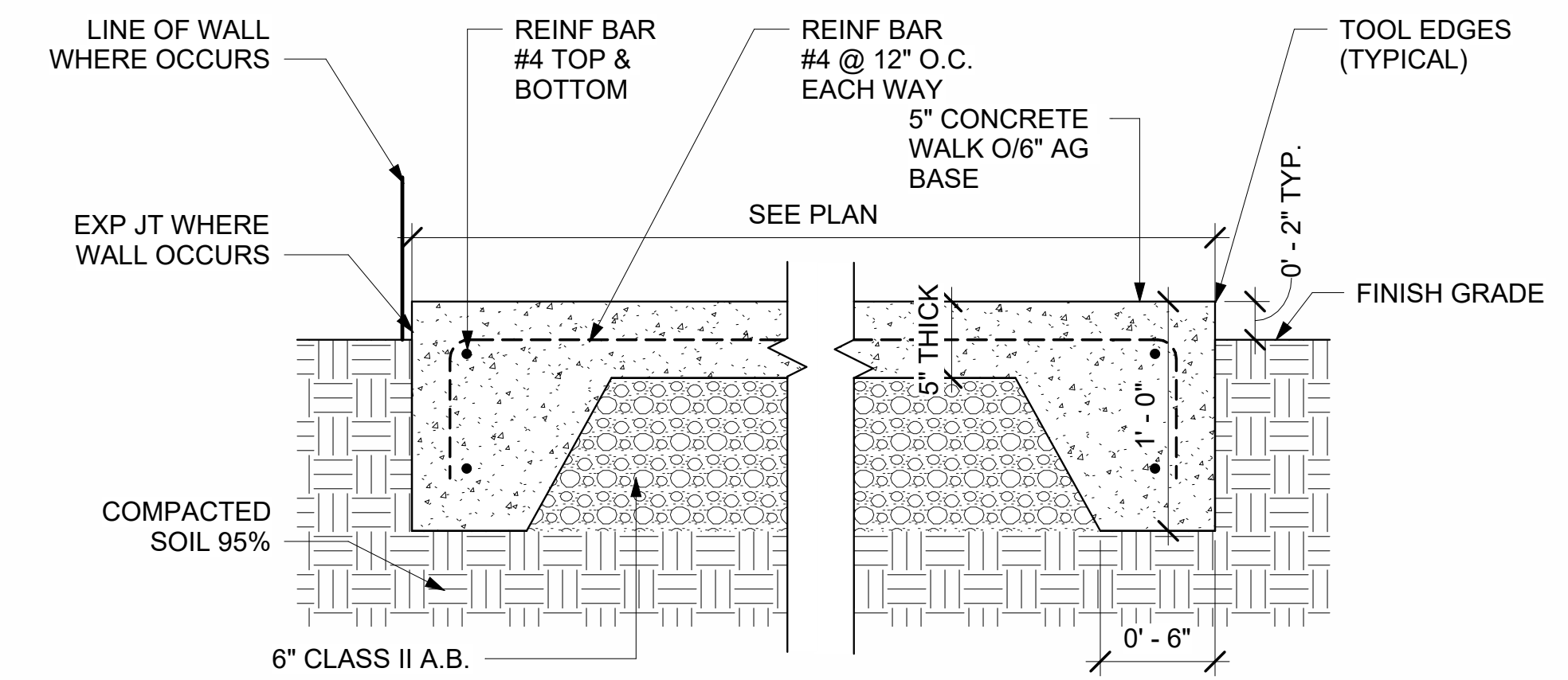
7 DEMOLITION ELEVATION
1 1/2" = 1'-0"



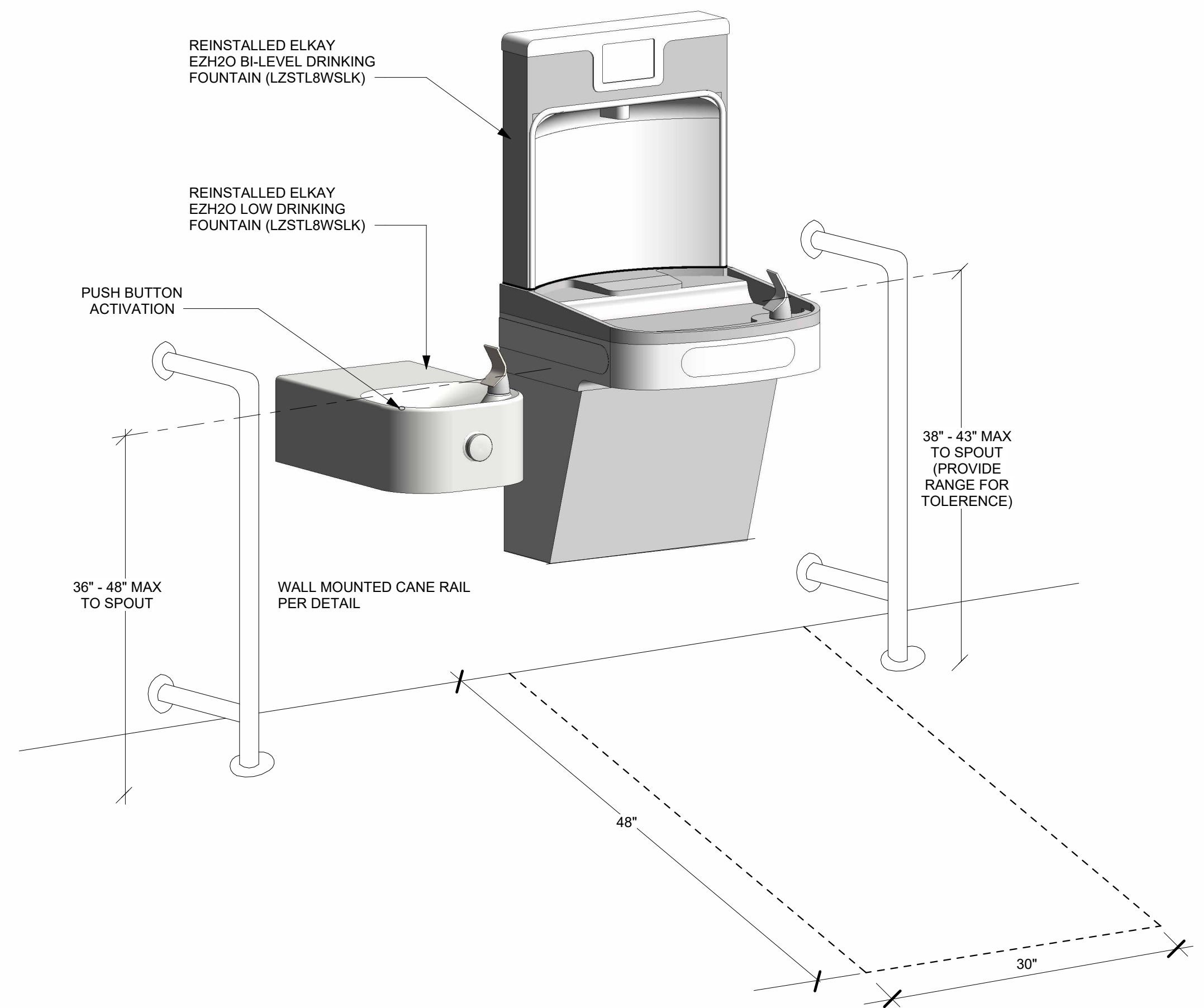
THESE DETAILS APPLY TO EXTERIOR SLAB-ON-GRADE CONDITIONS ONLY.

- GENERAL NOTES:**
1. EXPANSION JOINT @ 12'-0" MAX, SEE 4B THIS PAGE
 2. EXPANSION JOINT ON SIDEWALK SHALL MATCH WITH JOINTS ON CURB & GUTTER
 3. CONTROL JOINT BETWEEN EXPANSION JOINTS SHALL BE 4'-0" O.C., SEE 4A THIS PAGE
 4. ALL EDGES SHALL HAVE 1/2" RADIUS.
 4. APPLY MEDIUM BROOM FINISH TO SURFACE OF CURB AND GUTTER PARALLEL W/ STREET.

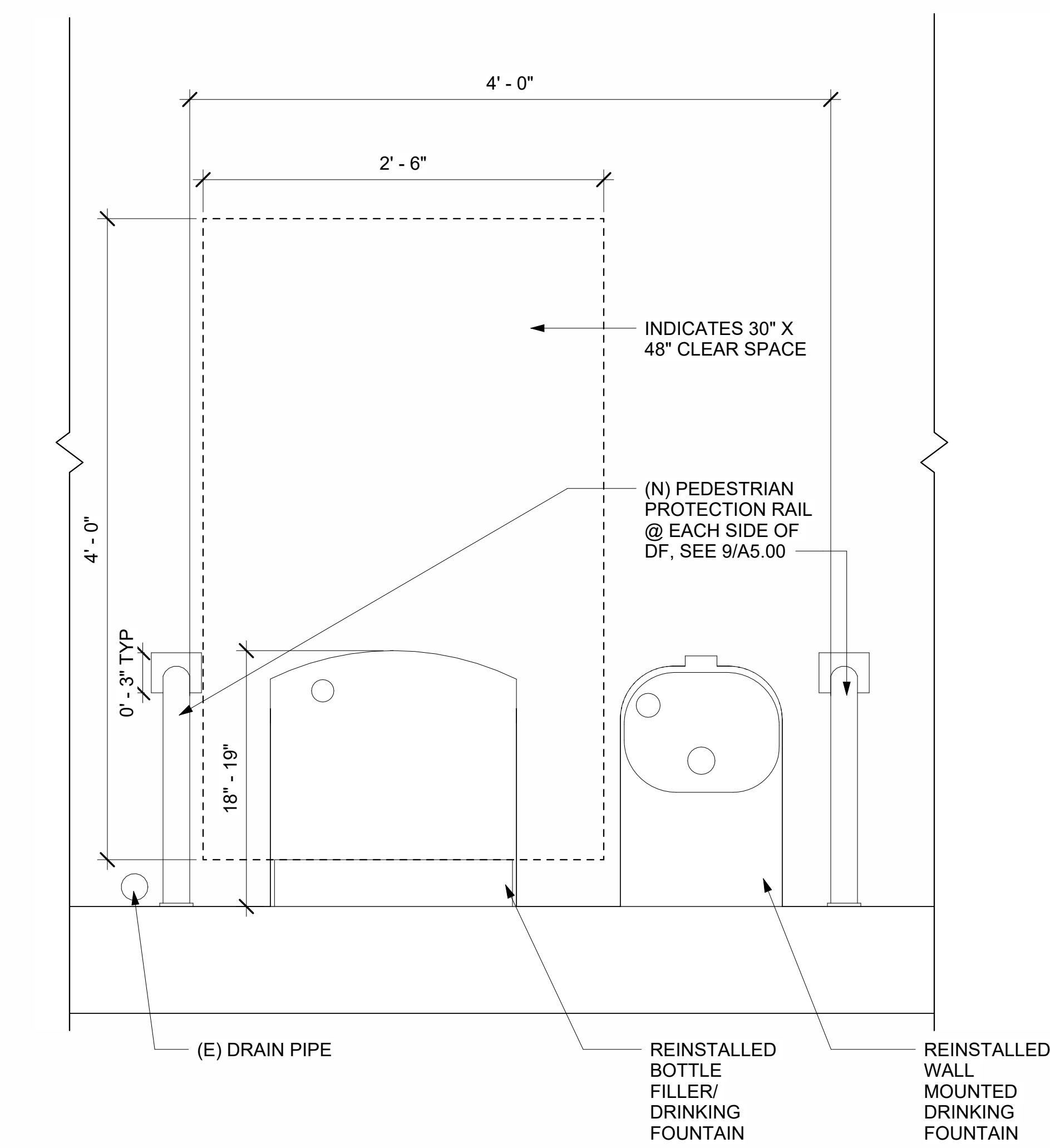
4 GENERAL NOTES
1 1/2" = 1'-0"



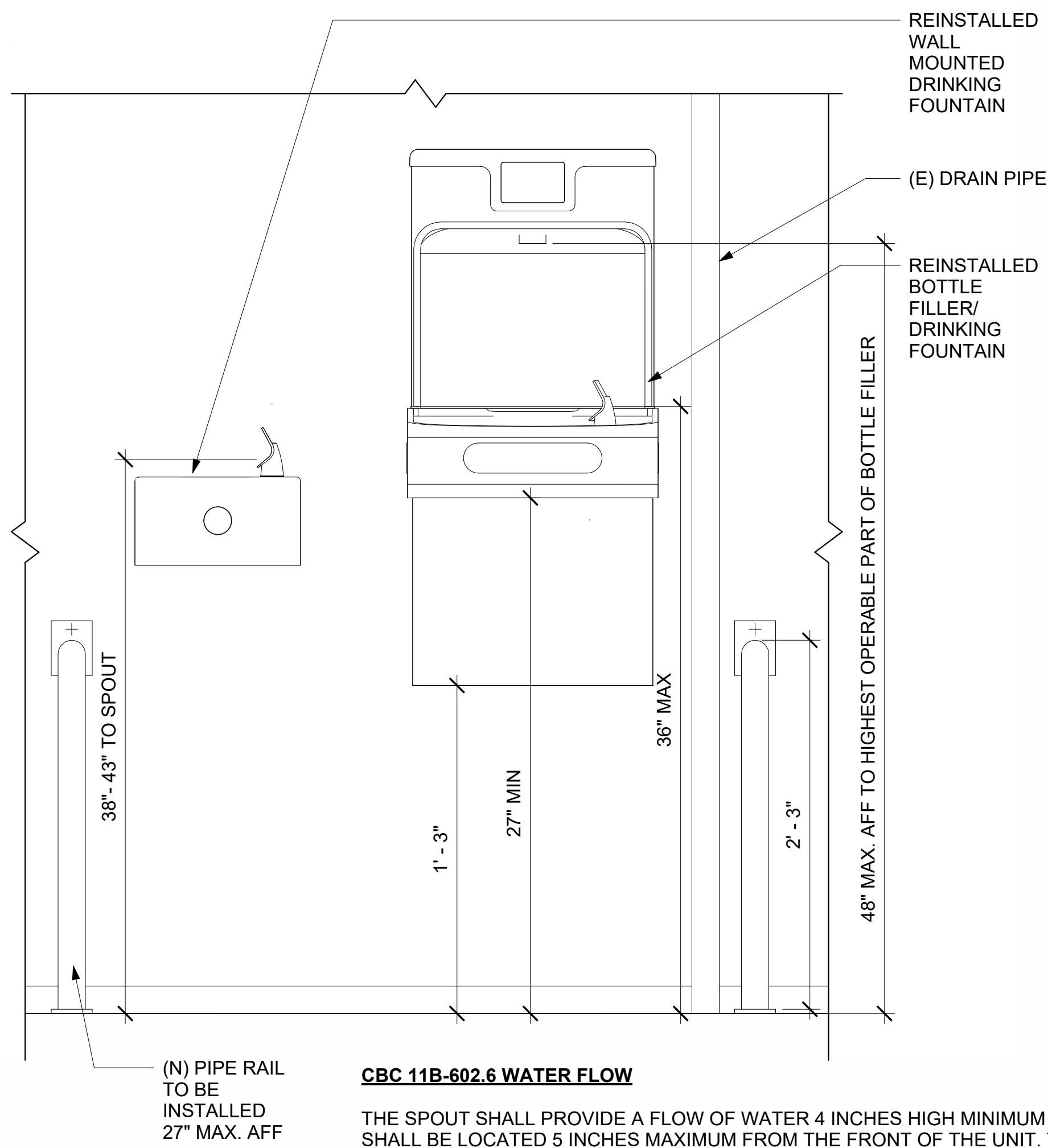
3 TYPICAL WALK
1 1/2" = 1'-0"



2 DRINKING FOUNTAIN



8 PROPOSED PLAN
1 1/2" = 1'-0"



6 PROPOSED ELEVATION
1 1/2" = 1'-0"

CBC 11B-602.6 WATER FLOW

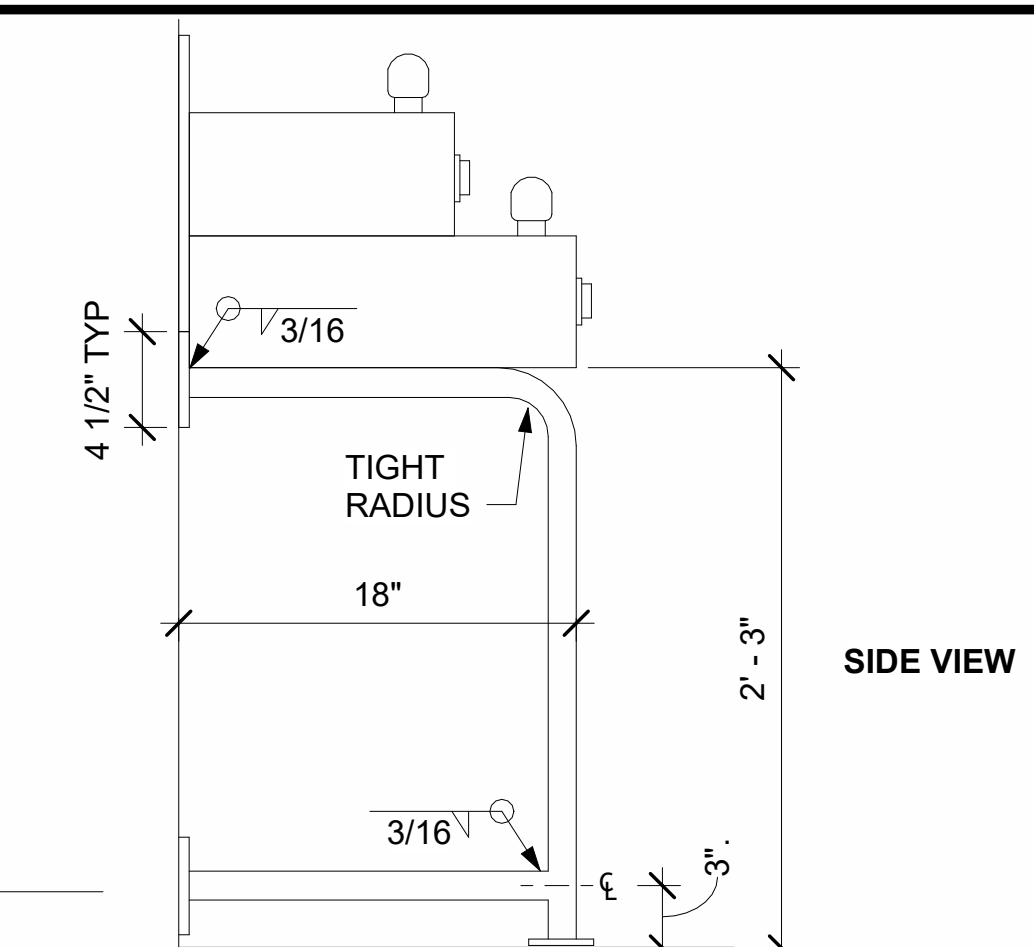
THE SPOUT SHALL PROVIDE A FLOW OF WATER 4 INCHES HIGH MINIMUM AND SHALL BE LOCATED 5 INCHES MAXIMUM FROM THE FRONT OF THE UNIT. THE ANGLE OF THE WATER STREAM SHALL BE MEASURED HORIZONTALLY RELATIVE TO THE FRONT FACE OF THE UNIT. WHERE SPOUTS ARE LOCATED LESS THAN 3 INCHES OF THE FRONT OF THE UNIT, THE ANGLE OF THE WATER STREAM SHALL BE 30 DEGREES MAXIMUM. WHERE SPOUTS ARE LOCATED BETWEEN 3 INCHES AND 5 INCHES MAXIMUM FROM THE FRONT OF THE UNIT, THE ANGLE OF THE WATER STREAM SHALL BE 15 DEGREES MAXIMUM.

FOUNDATION NOTES:

1. SEE CIVIL PLANS FOR TOP OF SLAB ELEVATION.
2. TYPICAL 5" THICK SLAB ON GRADE AS FOLLOWS:
 - 5" THICK CONCRETE SLAB
 - #4 @ 12" OC EACH WAY AT 2" BELOW TOP OF SLAB.
 - 6" OF 3/4" CRUSHED ROCK
 - SEE DETAIL 3/A5.00
3. CONTROL JOINTS ARE TO BE INSTALLED 12' OC MAX IN 5" SLAB OR AS SHOWN ON PLAN. CONTROL JOINTS SHALL BE MADE BY SAW CUTTING SLAB WITH THE SOFF-CUT SYSTEM OR APPROVED EQUAL AS SOON AS THE SURFACE IS FIRM ENOUGH SO THAT IT WILL NOT BE DAMAGED BY THE BLADE. USUALLY WITHIN 2 TO 4 HOURS AFTER FINAL FINISHING (NO LATER THAN 8 HOURS AFTER PLACEMENT). SAW CUT DEPTH SHALL BE 1/4 OF THE SLAB DEPTH (1 1/2" MAX). CONSTRUCTION JOINTS MAY BE INSTALLED AT THE CONTRACTOR'S OPTION. SEE 4 FOR CONSTRUCTION JOINT & CONTROL JOINT.
4. ALL CONTRACTORS WILL BE RESPONSIBLE FOR THE VERIFICATION OF LOCATIONS OF ALL EXISTING UTILITIES IN THE FIELD. ALL CONTRACTOR'S SHALL CALL U.S.A., (CA. 1-800-227-2600) 48 HOURS BEFORE DIGGING. EXCAVATION FOR UNDERGROUND FACILITIES SHALL NOT BE PERMITTED PRIOR TO UNDERGROUND SERVICE ALERT'S IDENTIFICATION OF EXISTING UTILITIES.

5 FOUNDATION NOTES
3" = 1'-0"

GRIND ALL WELDS SMOOTH AND GALVANIZE AFTER FABRICATION.
3" X 4 1/2" X 3/16" GALV. PLATE W/ 5/8" X 2 3/4" SSTL EXPANSION ANCHORS - 2 PER PLATE - TYP. MIN 2" EMBED. TENSION TEST LOAD = 1740 LBS



1 PEDESTRIAN RAIL @ D.F.
3" = 1'-0"

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 01-122810 INC.
REVIEWED FOR
SS FLS ACS
DATE: 06/25/2026



REVISION	DESCRIPTION

La Paloma High School
New Shade Structure



400 Giggeri Dr.
Brentwood CA 94513



RODOLFO LCHACON
EMAIL: rodolfo@chaconarchitecture.com
PHONE: 925-504-8098
ADDRESS: 2106 BOLERO, BAY POINT, CA. 94565
WWW.CHACONARCHITECTURE.COM

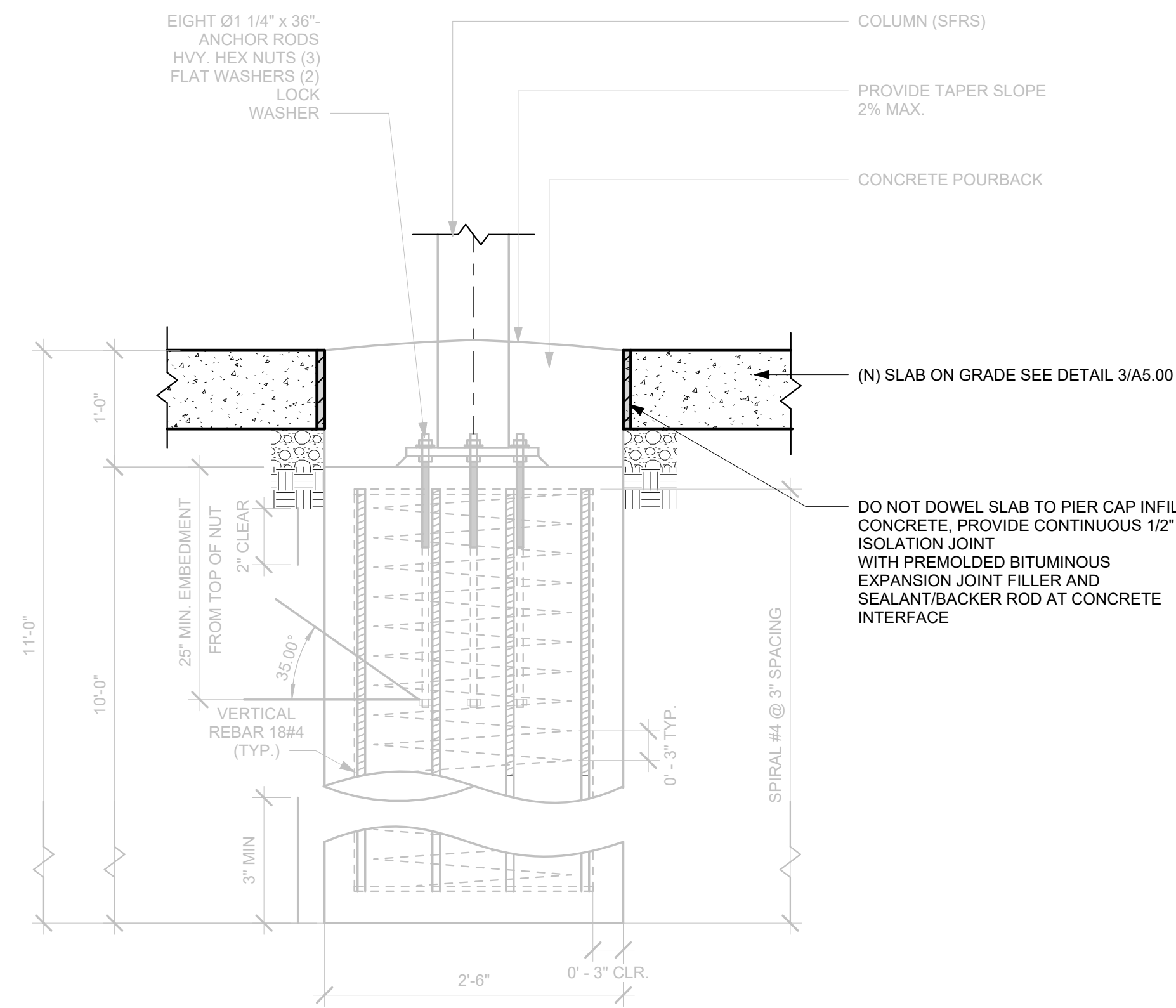
Project Number
Issue Date

SHEET TITLE

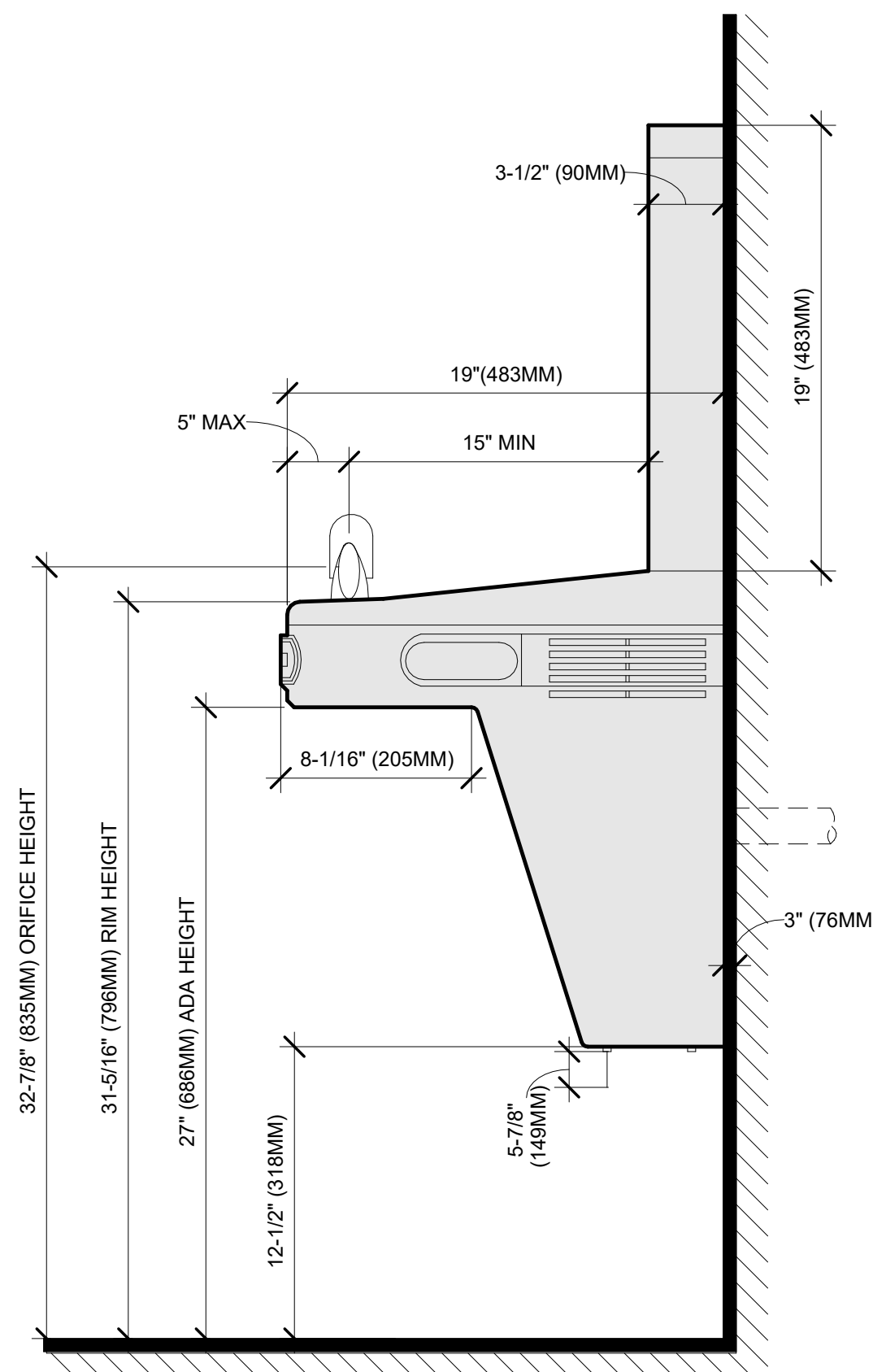
DETAILS

A5.00

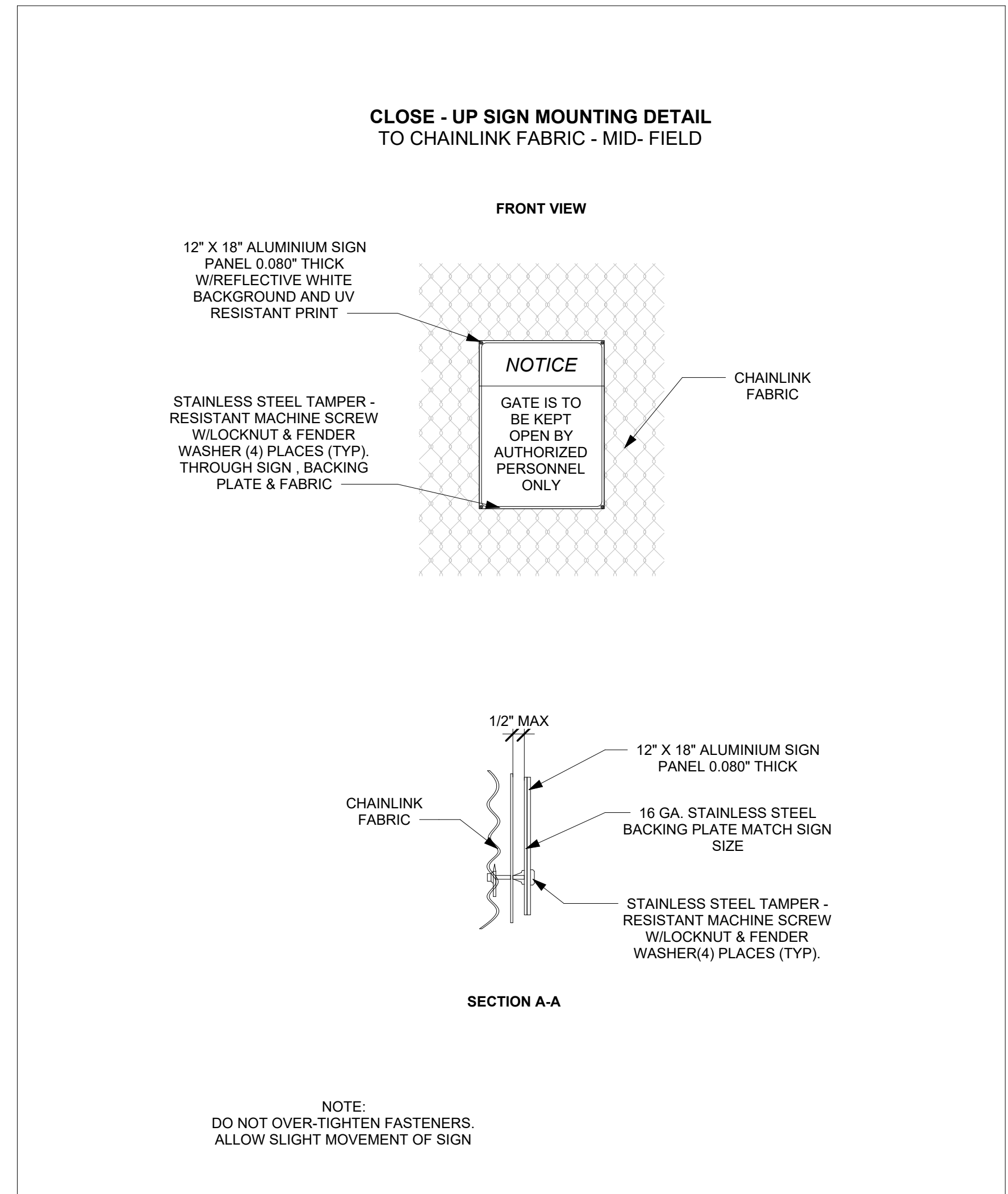
NOTE FOR SCREENED GRAPHICS
SEE SHEET 4.1 - 1000 FOR
BALANCE OF NOTES RELATED TO
DRILLED PIER FOOTING - RFP



5 SIDEWALK TO PIER DETAIL
1" = 1'-0"



3 SIDE ELEVATION OF BOTTLE FILLER
DRINKING FOUNTAIN
1" = 1'-0"



MOUNTING NOTES:

- MOUNT SIGN ON GATE LEAF ADJACENT TO LATCH SIDE
- CENTER SIGN APPROXIMATELY 60" A.F.F. TO SIGN CENTER
- ATTACH SIGN TO CHAINLINK FABRIC AT MID-FIELD USING STAINLESS STEEL TAMPER-RESISTANT FASTENERS
- USE (4) STAINLESS STEEL TAMPER-RESISTANT MACHINE SCREWS WITH LOCKNUTS AND FENDER WASHERS THROUGH SIGN AND BACKING PLATE, OR STAINLESS STEEL SIGN MOUNTING CLIPS (4 PLACES)
- PROVIDE PERMANENT INSTALLATION
- DO NOT INTERFERE WITH GATE OPERATION OR LATCH HARDWARE.

SIGN SIZE:
12" W x 18" H

MATERIAL:
0.080 ALUMINUM

BACKGROUND:
REFLECTIVE WHITE

FASTENERS:
STAINLESS STEEL TAMPER-RESISTANT

BACKING PLATE (MID-FIELD OPTION):
16 GAUGE STAINLESS STEEL (MATCH SIGN SIZE)

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 01-122810 INC.
REVIEWED FOR:
SS FLS ACS
DATE: 06/25/2026



REVISION	DESCRIPTION

La Paloma
High School
New Shade
Structure



400 Giggeri Dr.
Brentwood
CA 94513



RODOLFO L. CHACON
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PHONE: 925-504-8098
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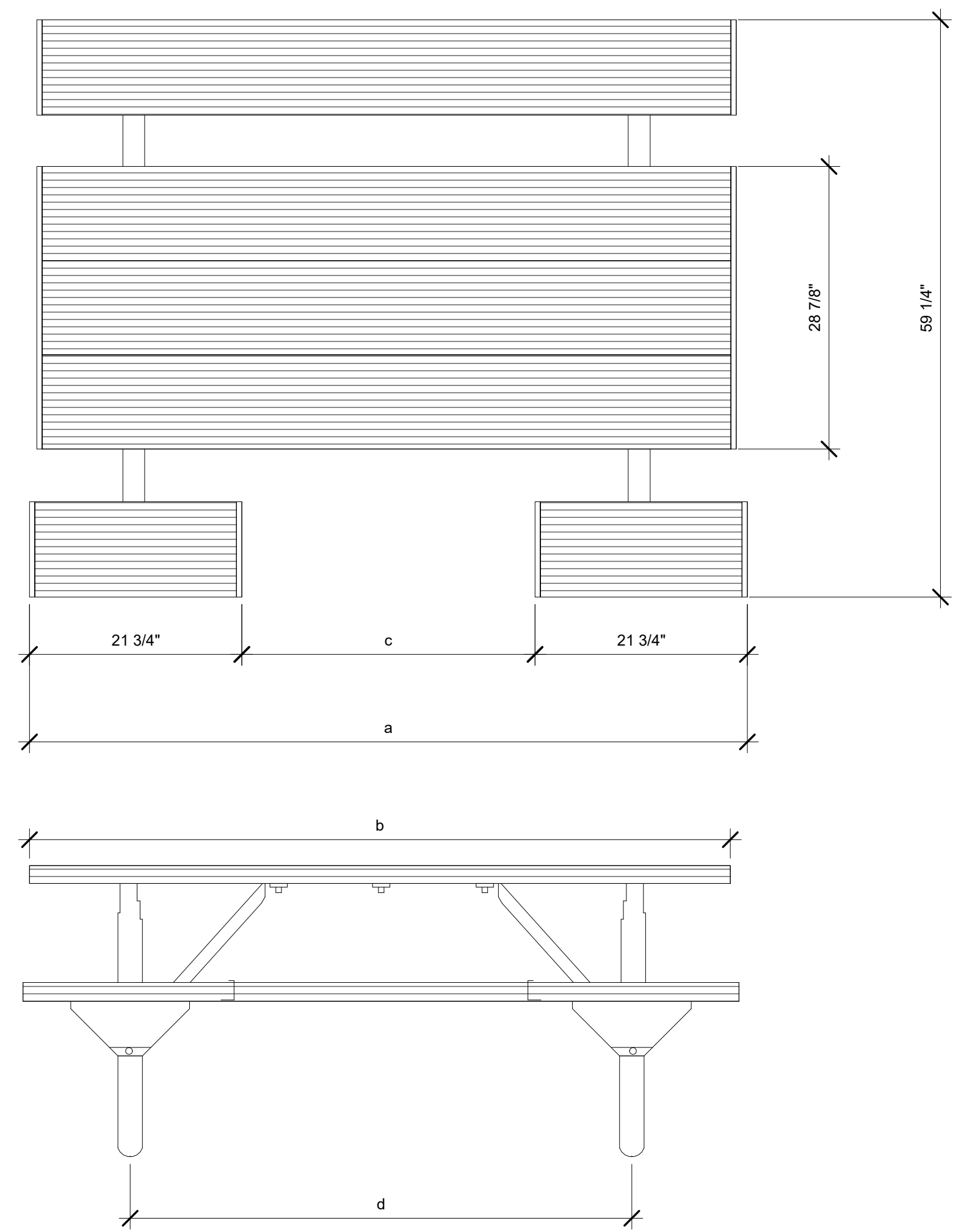
Project Number
Issue Date

SHEET TITLE

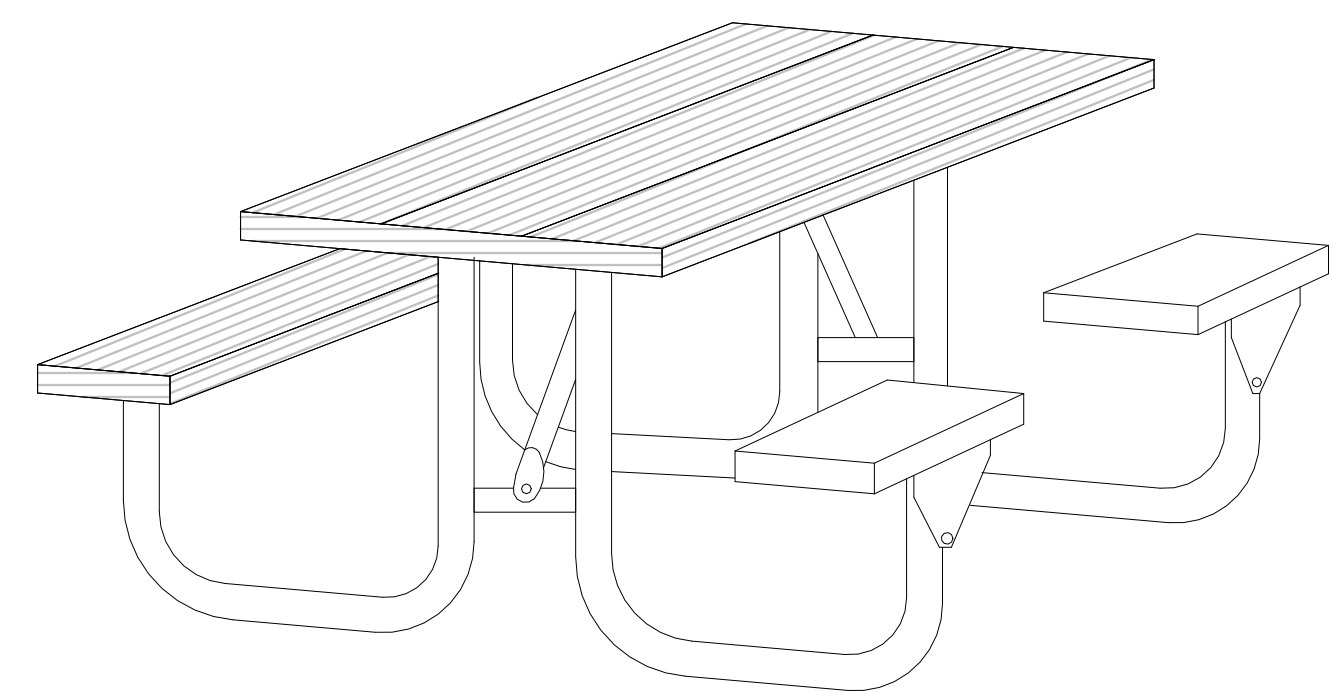
DETAILS

A5.01

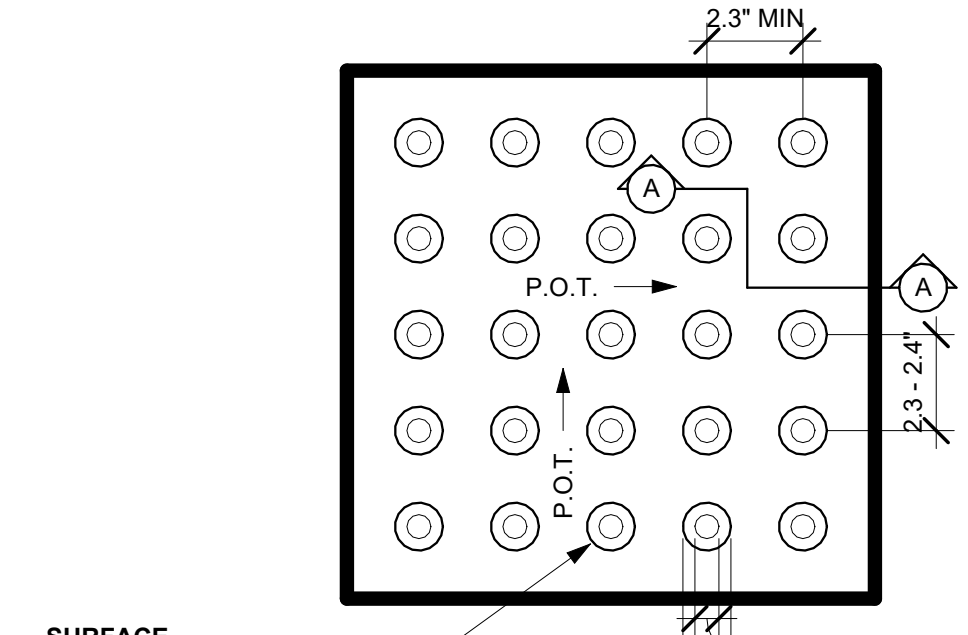
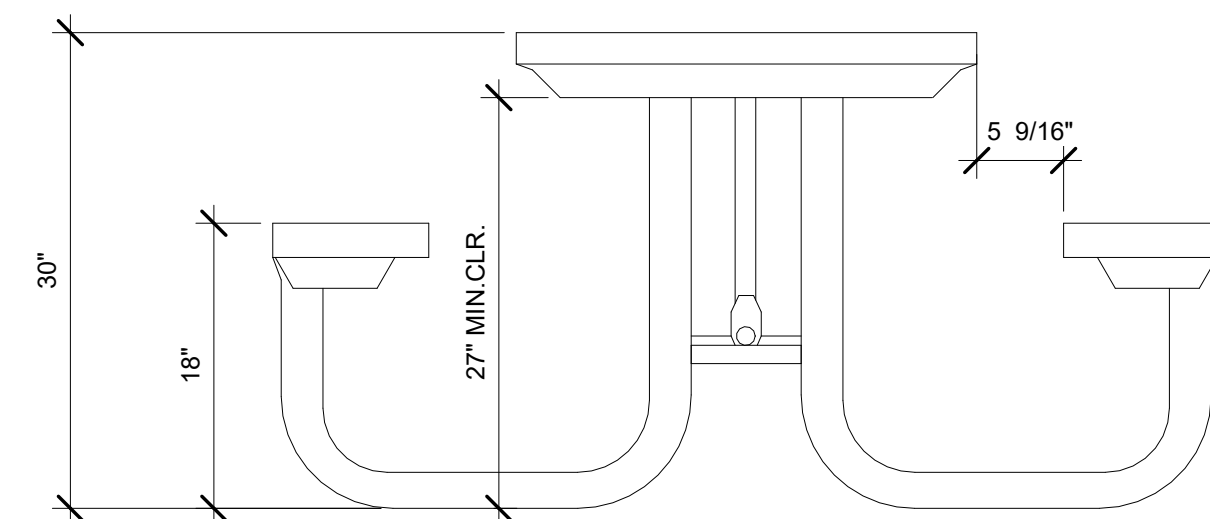
**NOTE ALL PICNIC
BENCHES SHALL BE
PROVIDED BY DISTRICT**



4 PORTABLE RECTANGULAR TABLE
3" = 1'-0"

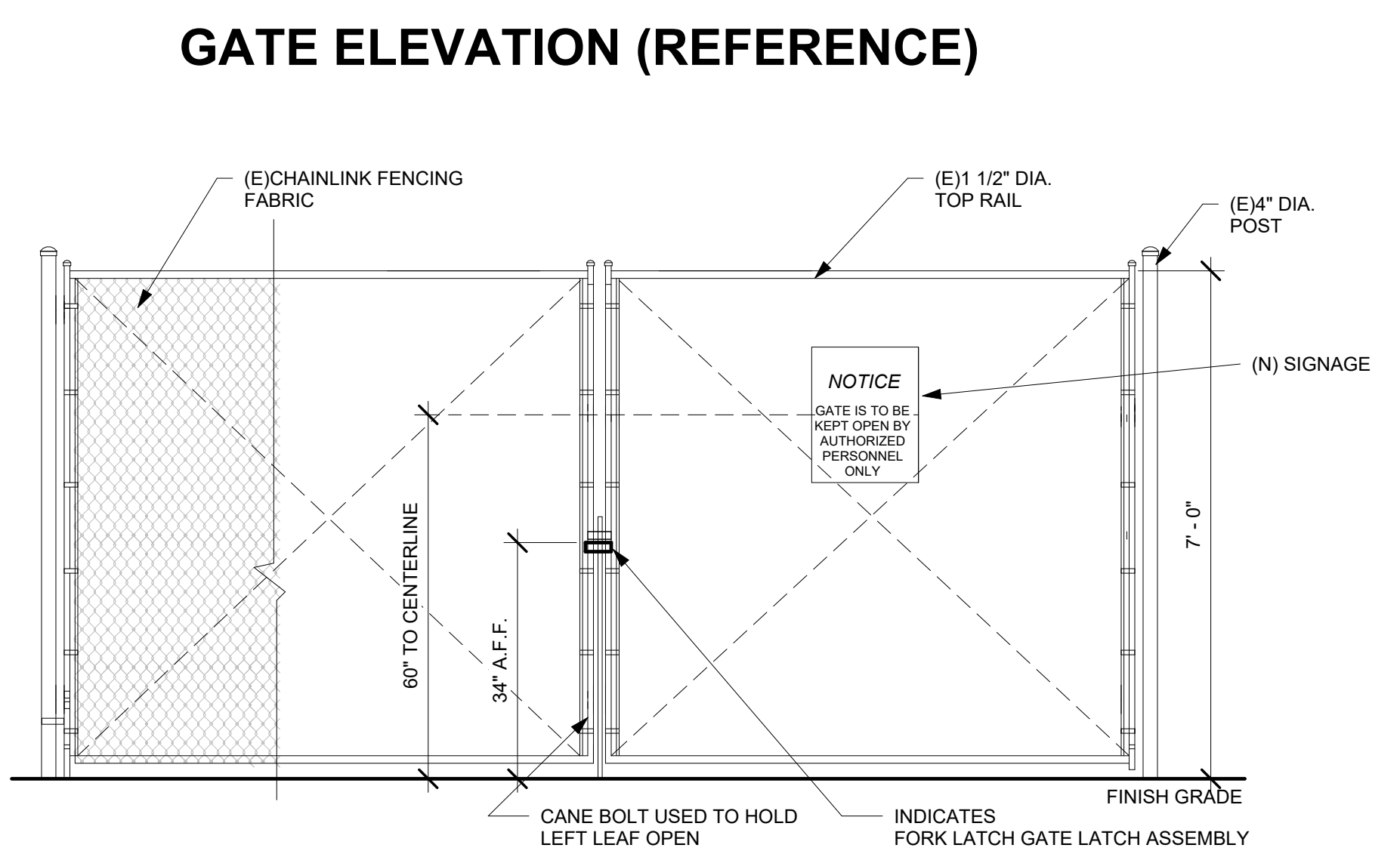


MODEL NUMBER	DIMENSION			
	a	b	c	d
XT - 6/SA	73 - 1/2"	72"	30"	51 - 3/4"
XT - 8/SA	91 - 3/4"	96"	48 - 1/4"	70"



TYPICAL SECTION A-A
SURFACE MATERIAL TO BE AN INTEGRAL PART OF THE SURFACE
0.2" HGT.
0.45" AT TOP
0.90" AT BASE
FLUSH TRANSITION
SHALL BE YELLOW AND APPROXIMATE 33538 OF SAE AMS-STD-595A

2 DETECTABLE WARNINGS
1 1/2" = 1'-0"



1 GATE ELEVATION
1/2" = 1'-0"

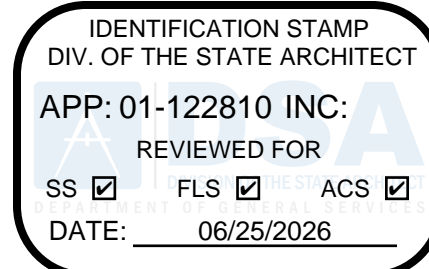


FABRIC SHADE STRUCTURE

DSA P.C. 04-123501

✓	SHEET NO.	SHEET DESCRIPTION	UNIT STRUCTURE TYPE	MAX. UNIT SIZE	UNIT MODEL NUMBER
X	T-1.0	TITLE SHEET			
X	T-2.0	UNIT SELECTION			
X	T-3.0	T&I FORMS			
	1.1-1000	PRODUCT INFORMATION	HIP	20' x 30' x 15'	DSA4012030-22
	1.2-2000	REACTIONS	HIP	20' x 30' x 15'	DSA4012030-22
	2.1-1000	PRODUCT INFORMATION	HIP	30' x 30' x 15'	DSA4013030-22
	2.2-2000	REACTIONS	HIP	30' x 30' x 15'	DSA4013030-22
	3.1-1000	PRODUCT INFORMATION	HIP	30' x 40' x 15'	DSA4013040-22
	3.2-2000	REACTIONS	HIP	30' x 40' x 15'	DSA4013040-22
X	4.1-1000	PRODUCT INFORMATION	HIP	40' x 40' x 15'	DSA4014040-22
X	4.2-2000	REACTIONS	HIP	40' x 40' x 15'	DSA4014040-22
	5.1-1000	PRODUCT INFORMATION	HIP	20' x 30' x 12'	DSA401203012-22
	5.2-2000	REACTIONS	HIP	20' x 30' x 12'	DSA401203012-22
	6.1-1000	PRODUCT INFORMATION	HIP	30' x 30' x 12'	DSA401303012-22
	6.2-2000	REACTIONS	HIP	30' x 30' x 12'	DSA401303012-22
	7.1-1000	PRODUCT INFORMATION	HIP	30' x 40' x 12'	DSA401304012-22
	7.2-2000	REACTIONS	HIP	30' x 40' x 12'	DSA401304012-22
	8.1-1000	PRODUCT INFORMATION	HIP (20 psf SNOW LOAD)	20' x 30' x 15'	DSA401S2030-22
	8.2-2000	REACTIONS	HIP (20 psf SNOW LOAD)	20' x 30' x 15'	DSA401S2030-22
	9.1-1000	PRODUCT INFORMATION	JOINED HIPS	VARIES	DSA401J-22
	9.2-1001	DETAILS	JOINED HIPS	VARIES	DSA401J-22
	9.3-2000	REACTIONS	JOINED HIPS	VARIES	DSA401J-22
	10.1-1000	PRODUCT INFORMATION	QUAD JOINED HIPS	VARIES	DSA401Q-22
	10.2-1001	DETAILS	QUAD JOINED HIPS	VARIES	DSA401Q-22
	10.3-2000	REACTIONS	QUAD JOINED HIPS	VARIES	DSA401Q-22
	11.1-1000	PRODUCT INFORMATION	FULL CANTILEVER HIP SINGLE	20' x 30' x 15'	DSA2022030-22
	11.2-2000	REACTIONS	FULL CANTILEVER HIP SINGLE	20' x 30' x 15'	DSA2022030-22
	12.1-1000	PRODUCT INFORMATION	FULL CANTILEVER HIP JOINED	20' x 200' x 15'	DSA3022060-22
	12.2-2000	REACTIONS	FULL CANTILEVER HIP JOINED	20' x 200' x 15'	DSA3022060-22
	13.1-1000	PRODUCT INFORMATION	SINGLE POST PYRAMID	14' x 14' x 12'	DSA1031414-22
	13.2-2000	REACTIONS	SINGLE POST PYRAMID	14' x 14' x 12'	DSA1031414-22
	14.1-1000	PRODUCT INFORMATION	SINGLE POST PYRAMID	20' x 20' x 12'	DSA1032020-22
	14.2-2000	REACTIONS	SINGLE POST PYRAMID	20' x 20' x 12'	DSA1032020-22
	15.1-1000	PRODUCT INFORMATION	SINGLE POST PYRAMID CANTILEVER	14' x 14' x 12'	DSA1241414-22
	15.2-2000	REACTIONS	SINGLE POST PYRAMID CANTILEVER	14' x 14' x 12'	DSA1241414-22
	16.1-1000	PRODUCT INFORMATION	SINGLE POST PYRAMID CANTILEVER	20' x 20' x 12'	DSA1242020-22
	16.2-2000	REACTIONS	SINGLE POST PYRAMID CANTILEVER	20' x 20' x 12'	DSA1242020-22
	17.1-1000	PRODUCT INFORMATION	MARINER PEAK	30' x 30' x 15'	DSA4073030-22
	17.2-2000	REACTIONS	MARINER PEAK	30' x 30' x 15'	DSA4073030-22
	18.1-1000	PRODUCT INFORMATION	MARINER PEAK	30' x 40' x 18'	DSA4073040-22
	18.2-2000	REACTIONS	MARINER PEAK	30' x 40' x 18'	DSA4073040-22
	19.1-1000	PRODUCT INFORMATION	MARINER PEAK JOINED	30' x 133' x 15'	DSA407J3060-22
	19.2-2000	REACTIONS	MARINER PEAK JOINED	30' x 133' x 15'	DSA407J3060-22
	20.1-1000	PRODUCT INFORMATION	MARINER PEAK QUAD	60' x 60' x 15'	DSA407Q6060-22
	20.2-2000	REACTIONS	MARINER PEAK QUAD	60' x 60' x 15'	DSA407Q6060-22
	21.1-1000	PRODUCT INFORMATION	TRI TRUSS HIP SINGLE WIDE	20' x 30' x 15'	DSA2062030-22
	21.2-2000	REACTIONS	TRI TRUSS HIP SINGLE WIDE	20' x 30' x 15'	DSA2062030-22
	22.1-1000	PRODUCT INFORMATION	TRI TRUSS HIP JOINED	20' x 200' x 15'	DSA3052060-22
	22.2-2000	REACTIONS	TRI TRUSS HIP JOINED	20' x 200' x 15'	DSA3052060-22
	23.1-1000	PRODUCT INFORMATION	TENSION SAILS THREE POINT	30' x 133' x 15'	DSA30730-22
	23.2-2000	REACTIONS	TENSION SAILS THREE POINT	30' x 133' x 15'	DSA30730-22
	24.1-1000	PRODUCT INFORMATION	TENSIONS SAILS FOUR POINT	20' x 200' x 15'	DSA4182020-22
	24.2-2000	REACTIONS	TENSIONS SAILS FOUR POINT	20' x 200' x 15'	DSA4182020-22
	25.1-1000	PRODUCT INFORMATION	TENSIONS SAILS FOUR POINT	30' x 133' x 15'	DSA4183030-22
	25.2-2000	REACTIONS	TENSIONS SAILS FOUR POINT	30' x 133' x 15'	DSA4183030-22
	26.1-1000	PRODUCT INFORMATION	TRIANGLE	25' x 25' x 15'	DSA30125-22
	26.2-2000	REACTIONS	TRIANGLE	25' x 25' x 15'	DSA30125-22
	27.1-1000	PRODUCT INFORMATION	TRIANGLE	40' x 40' x 15'	DSA30140-22
	27.2-2000	REACTIONS	TRIANGLE	40' x 40' x 15'	DSA30140-22
	28.1-1000	PRODUCT INFORMATION	HEXAGON	Ø40' X 15'	DSA60340-22
	28.2-2000	REACTIONS	HEXAGON	Ø40' X 15'	DSA60340-22
	29.1-1000	PRODUCT INFORMATION	HEXAGON	Ø60' X 15'	DSA60360-22
	29.2-2000	REACTIONS	HEXAGON	Ø60' X 15'	DSA60360-22

TOTAL SHEET COUNT: 63 SHEETS



THESE PLANS AND SPECIFICATIONS ARE THE PROPERTY OF USA SHADE AND FABRIC STRUCTURES AND SHALL NOT BE REPRODUCED WITHOUT THEIR WRITTEN



CORPORATE HEADQUARTERS
2580 ESTERS BLVD. SUITE 100
DFW AIRPORT, TX, 75261
800-966-5005

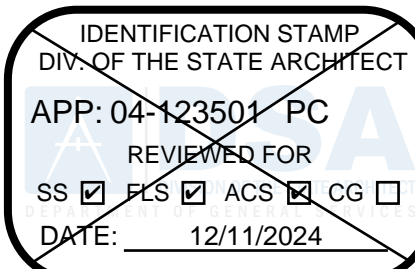
CERTIFICATIONS:
IAS CERTIFICATION No: FA-428
CLARK COUNTY MANUFACTURER CERTIFICATION NUMBER (NEVADA): 355

CUSTOMER:
Liberty Union High School District

PROJECT NAME:
La Paloma High School

LOCATION:
400 Chiggeri Drive
Brentwood, CA 94513

MODEL NUMBER:



STRUCTURE TYPE:

SCALE : VARIES

DRAWING SIZE:
D

PRE-CHECK (PC) DOCUMENT

Code : 2022 CBC
A separate project application for construction is required.

Eng. By : DWH 8/19/23

Design By : DWH 8/19/23

Approved By : DWH 8/19/23

DRAWING DESCRIPTION:

DWG. TITLE SHEET

SHEET T-1.0

REV.

GENERAL NOTES:

- ALL WORK SHALL CONFORM TO THE 2022 EDITION OF THE TITLE 24, CALIFORNIA CODE OF REGULATIONS (CCR).
- ALL WORK SHALL BE IN COMPLIANCE WITH CFC CHAPTER 33 - FIRE SAFETY DURING CONSTRUCTION AND DEMOLITION.
- SEE INDIVIDUAL STRUCTURAL DRAWINGS FOR SPECIFIC DESIGN NOTES AND LOADING.
- PRIOR TO SUBMITTAL ARCHITECT OF RECORD SHALL IDENTIFY PC MODEL(S) SELECTED BY END USER ON SHEETS T-1.0 AND T-2.0 BY CHECKING THE APPROPRIATE BOX ASSOCIATED WITH SELECTED PC MODEL(S), EXCLUDE SHEETS FOR MODELS NOT SELECTED.

PLANS FOR SPECIFIC APPLICATION SHALL INCLUDE THE FOLLOWING:

- COMPLETE SCOPE OF WORK INCLUDING THE SHADE STRUCTURE MODEL NUMBER, P.C. NUMBER, AND SPECIFIC SIZE OF THE SHADE STRUCTURE(S).
- PROVIDE A CODE ANALYSIS, INCLUDING ACTUAL SHADE STRUCTURE AREA (SQ. FT.), OCCUPANCY TYPE (A-3), AND TYPE OF CONSTRUCTIONS (V-B), INDICATE OCCUPANT LOAD FACTOR (2022 CBC, SECTION 1004).
- ACTUAL DIMENSIONS OF SHADE STRUCTURES.
- DIMENSIONS FROM ADJACENT STRUCTURES AND PROXIMITY OF ASSUMED OR ACTUAL PROPERTY LINES.
- INDICATE LOCATIONS OF FIRE EXTINGUISHERS WITHIN 75 FEET.
- SHOW LOCATION OF AUDIBLE FIRE ALARM.
- ALL SADDLES, CLAMPS AND FITTINGS SHALL CONFORM TO THE GUIDELINES AS SPECIFIED IN APPENDICES "A, B, & C", RESPECTIVELY, IN ASCE/SEI 19-16, "STRUCTURAL APPLICATIONS OF STEEL CABLES FOR BUILDINGS."
- ARCHITECTS OF RECORD TO DETERMINE IF SPECIFIC SITE IS LOCATED IN A MAPPED GEOLOGIC HAZARD ZONE. GEOHAZARD REPORTS REQUIREMENTS SHALL COMPLY WITH DSA IR A-4.
- ARCHITECTS OF RECORD TO DETERMINE IF SPECIFIC SITE IS LOCATED IN A MAPPED FIRE HAZARD SEVERITY ZONE OR WILDLAND INTERFACE AREA.

FOR SNOW LOAD MODELS ONLY:

- INDICATE DIMENSIONS FROM THE ROOF TO THE HIGHER STRUCTURE OR TERRAIN FEATURE. MINIMUM DIMENSION OF 20'-0" FOR SNOW LOAD MODEL (ASCE 7-16).
- ACTUAL SITE ELEVATION (FEET) TO DETERMINE IF THE SITE OCCURS AT OR BELOW THE UPPER ELEVATION LIMIT FOR THE GROUND SNOW LOAD SHOWN IN ASCE 7-16.

PLANS FOR SPECIFIC APPLICATION SHALL INCLUDE THE FOLLOWING:

LIST OF APPLICABLE CODES:

- 2022 CALIFORNIA ADMINISTRATIVE CODE (CAC), 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 BUILDING CODE (CEBC), PART 10, TITLE 24 C.C.R.
- 2022 CALIFORNIA GREEN BUILDING STANDARDS CODE (CALGREEN), PART 11, TITLE 24 C.C.R.
- 2022 CALIFORNIA REFERENCED STANDARDS CODE, PART 12, TITLE 24 C.C.R.
- TITLE 19 C.C.R., PUBLIC SAFETY, STATE FIRE MARSHAL REGULATIONS

APPLICABLE STANDARDS:

FOR A LIST OF APPLICABLE STANDARDS, INCLUDING CALIFORNIA AMENDMENTS TO THE NFPA STANDARDS, REFER TO CBC CHAPTER 35 AND CFC CHAPTER 80.

MANUFACTURER:

USA SHADE & FABRIC STRUCTURES
2580 ESTERS BOULEVARD, SUITE 100
DFW AIRPORT, TEXAS 75261
PH. 800-966-5005
W. www.usa-shade.com

ARCHITECT:

HIGGINSON ARCHITECTS, INC.
DAVID HIGGINSON, AIA, PRINCIPAL ARCHITECT
34247 YUCAIPA BOULEVARD, SUITE D
YUCAIPA, CALIFORNIA 92399
PH. 909-499-0058
E. dhigginson@higginsonarchitects.com
W. www.higginsonarchitects.com



STRUCTURAL ENGINEER:

MARK LOWE, S.E.
c/o USA SHADE AND FABRIC STRUCTURES



APPLICABLE CODES

SITE SPECIFIC PARAMETERS

INSTRUCTIONS: DESIGN PROFESSIONAL SHALL CHECK THE APPROPRIATE SELECTION BOXES BELOW AND ENTER THE DESIGN PARAMETERS APPLICABLE TO THE SPECIFIC PROJECT SITE

SEISMIC:

DESIGN BASED ON SITE CLASS D_{max}
NO GEOTECHNICAL INVESTIGATION REQUIRED
S_s = 1.367 Fa = 1.2

DESIGN BASED ON SITE CLASS DETERMINED PER CHAPTER 20 OF ASCE 7-16
GEOTECHNICAL INVESTIGATION PROVIDED
SITE CLASS: C D
S_s = _____ Fa = _____ PER ASCE 7-16 SUPPL 3, TABLE 11.4-1

DESIGN BASED ON SITE CLASS SPECIFIC GROUND MOTION HAZARD ANALYSIS
PER CHAPTER 21 OF ASCE 7-16
SHORT PERIOD DESIGN SPECTRAL RESPONSE PARAMETER, S_{SD}, SHALL BE AS SPECIFIED IN GEOTECHNICAL INVESTIGATION
CGS APPROVAL REQUIRED
NOT ELIGIBLE FOR QTC REVIEW
SITE CLASS: C D
S_{SD} = 2/3 Fa S_s = 1.094 s_{2.0}
C_s = 1.6 USED IN DESIGN
SEISMIC DESIGN CATEGORY: D E

CODE ANALYSIS			
OCCUPANCY GROUP	OCCUPANT LOAD FACTOR	TOTAL OCCUPANT LOAD	SHADE STRUCTURE AREA (SF)
A-2	15	107	1,600 SF

P.C. NOTES

SITE SPECIFIC PARAMETERS

ARCHITECT / ENGINEER

SHEET INDEX

IDENTIFICATION STAMP
 DIV. OF THE STATE ARCHITECT
 APP: 01-122810 INC:
 REVIEWED FOR
 SS FLS ACS
 DATE: 06/25/2026

THESE PLANS AND SPECIFICATIONS ARE THE
 PROPERTY OF USA SHADE AND FABRIC
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CORPORATE HEADQUARTERS
 2580 ESTERS BLVD, SUITE 100
 DFW AIRPORT, TX, 75261
 800-966-5005

CERTIFICATIONS:
 IAS CERTIFICATION No: FA-428
 CLARK COUNTY MANUFACTURER
 CERTIFICATION NUMBER (NEVADA): 355

CUSTOMER:
 Liberty Union High School District

PROJECT NAME:
 La Paloma High School

LOCATION:
 400 Chiggeri Drive
 Brentwood, CA 94513

MODEL NUMBER:

IDENTIFICATION STAMP
 DIV. OF THE STATE ARCHITECT
 APP: 04-123501 PC
 REVIEWED FOR
 SS FLS ACS CG
 DATE: 12/11/2024

STRUCTURE TYPE:

SCALE : VARIES

DRAWING SIZE:
D

**PRE-CHECK (PC)
 DOCUMENT**

Code : 2022 CBC
 A separate project application
 for construction is required.

Eng. By : DWH 8/19/23

Design By : DWH 8/19/23

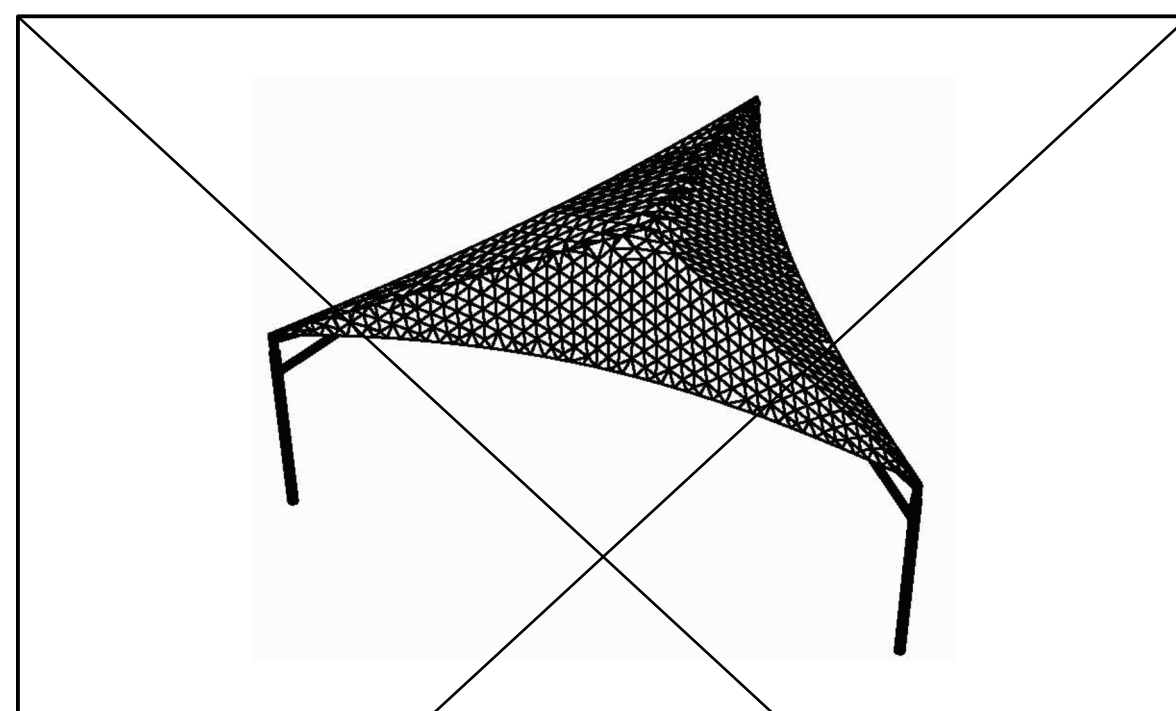
Approved By : DWH 8/19/23

DRAWING DESCRIPTION:

DWG. UNIT SELECTION

SHEET T-2.0

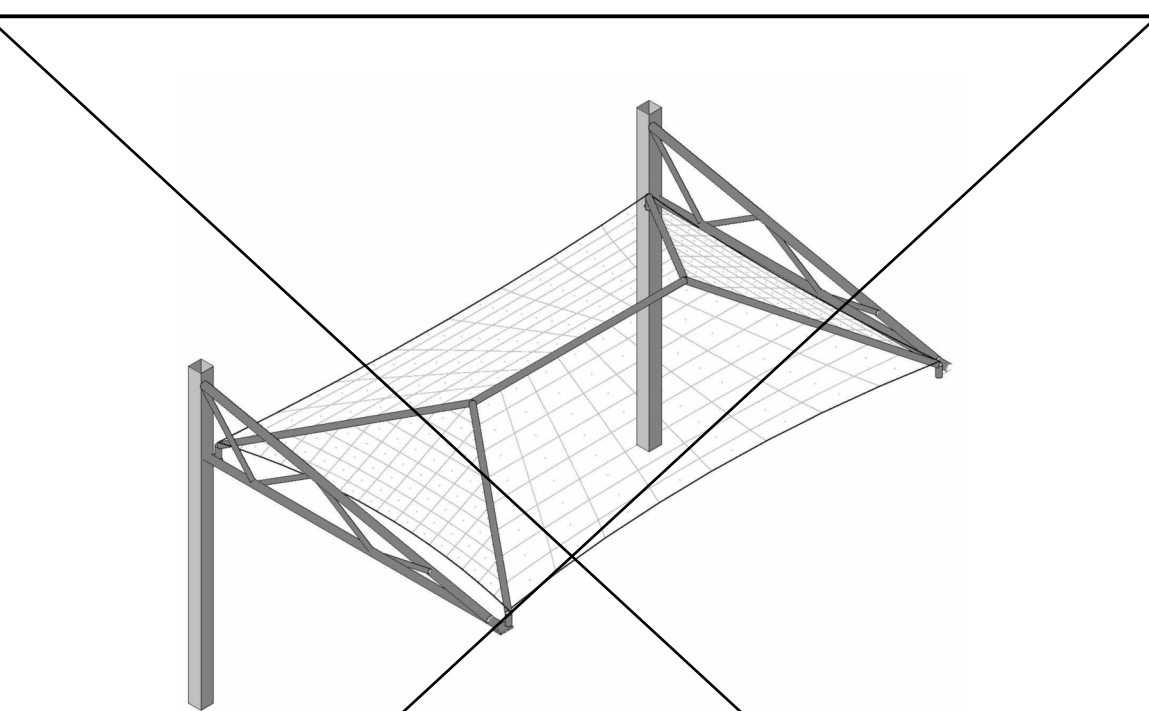
REV.



STRUCTURE MODEL: DSA30125-22
 MAX. SIZE: 25' x 25' x 15'
 MAX. AREA: 271 SQ. FT.
 MAX. OCCUPANCY: 16 PERSONS
 SEE SHEET 26.1-1000

FOR DSA 103 TESTING & INSPECTIONS SAMPLE, SEE PC T-3.0

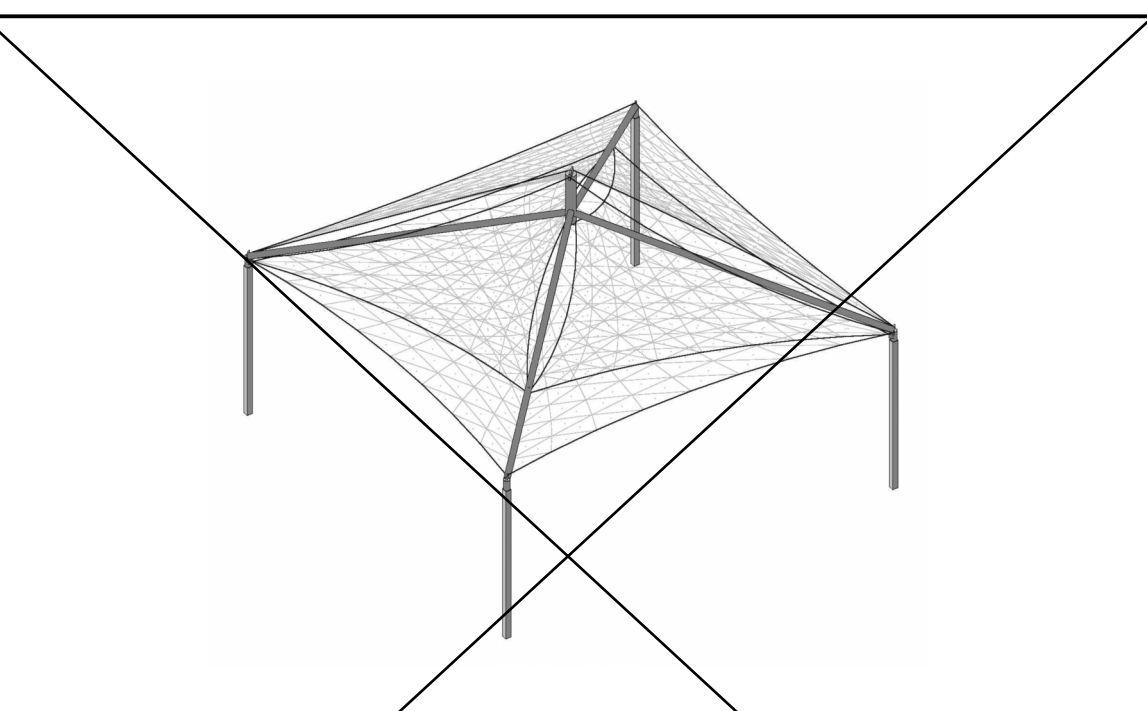
TRIANGLE



STRUCTURE MODEL: DSA2062030-22
 MAX. SIZE: 20' x 30' x 15'
 MAX. AREA: 600 SQ. FT.
 MAX. OCCUPANCY: 40 PERSONS
 SEE SHEET 21.1-1000

FOR DSA 103 TESTING & INSPECTIONS SAMPLE, SEE PC T-3.0

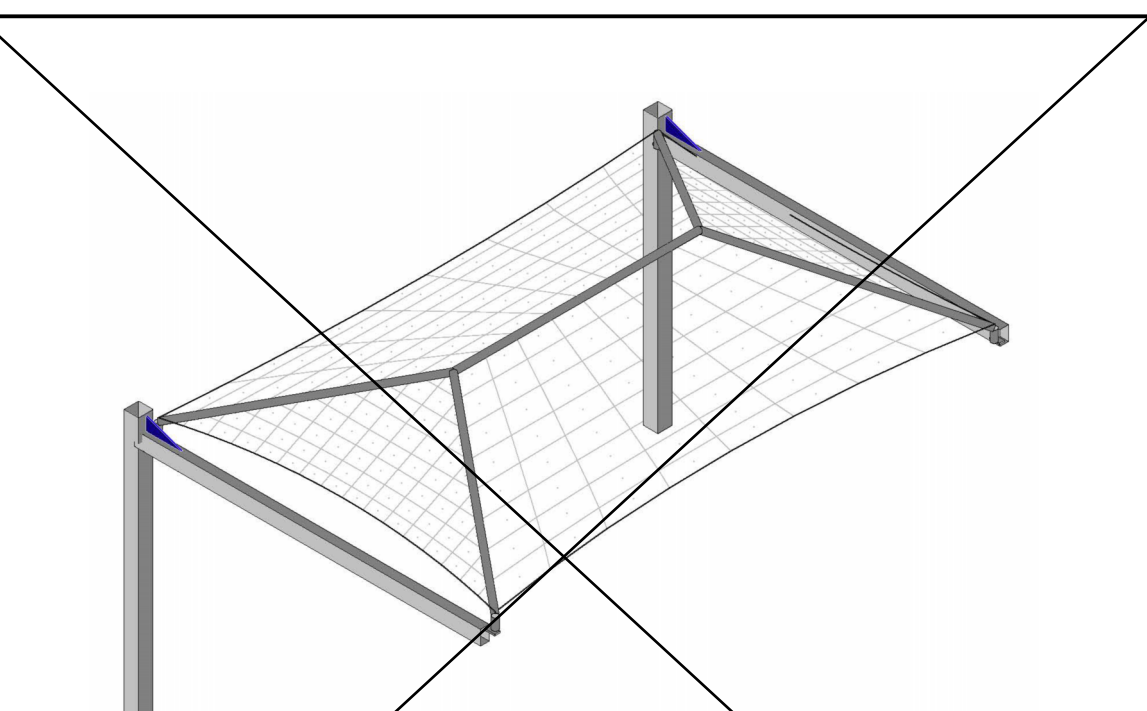
TRI-TRUSS HIP SINGLE WIDE



STRUCTURE MODEL: DSA4073030-22
 MAX. SIZE: 30' x 30' x 15'
 MAX. AREA: 900 SQ. FT.
 MAX. OCCUPANCY: 60 PERSONS
 SEE SHEET 17.1-1000

FOR DSA 103 TESTING & INSPECTIONS SAMPLE, SEE PC T-3.0

MARINER PEAK



STRUCTURE MODEL: DSA2022030-22
 MAX. SIZE: 20' x 30' x 15'
 MAX. AREA: 600 SQ. FT.
 MAX. OCCUPANCY: 40 PERSONS
 SEE SHEET 11.1-1000

FOR DSA 103 TESTING & INSPECTIONS SAMPLE, SEE PC T-3.0

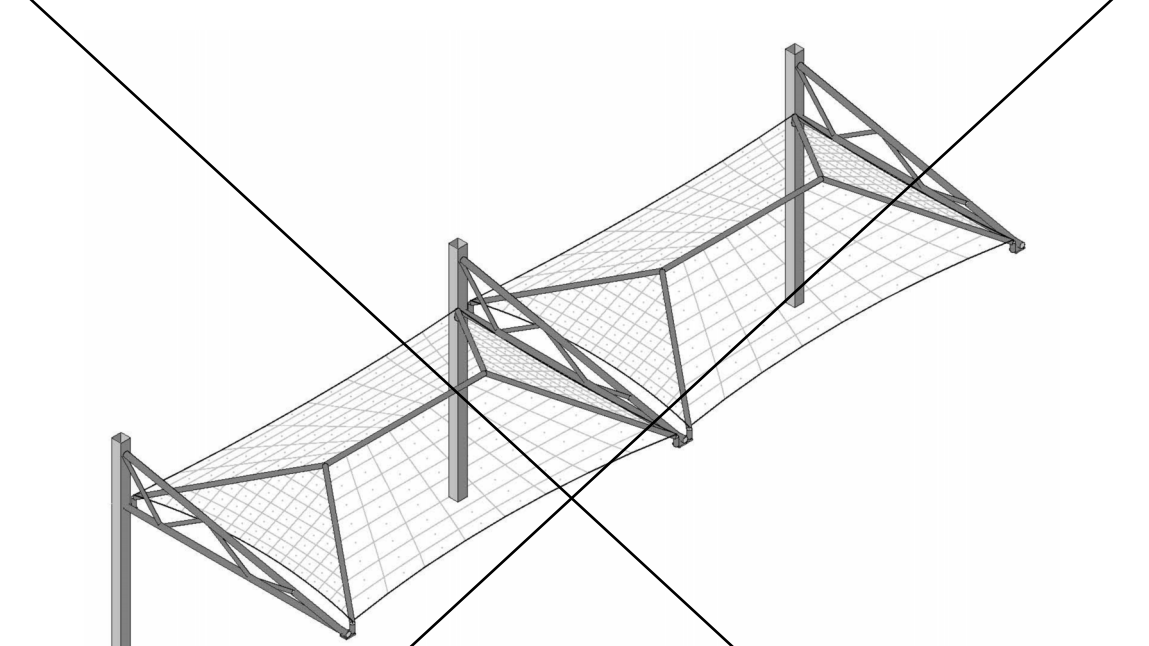
FULL CANTILEVER HIP SINGLE



STRUCTURE MODEL: DSA60340-22
 MAX. SIZE: 640' x 15'
 MAX. AREA: 1,040 SQ. FT.
 MAX. OCCUPANCY: 69 PERSONS
 SEE SHEET 28.1-1000

FOR DSA 103 TESTING & INSPECTIONS SAMPLE, SEE PC T-3.0

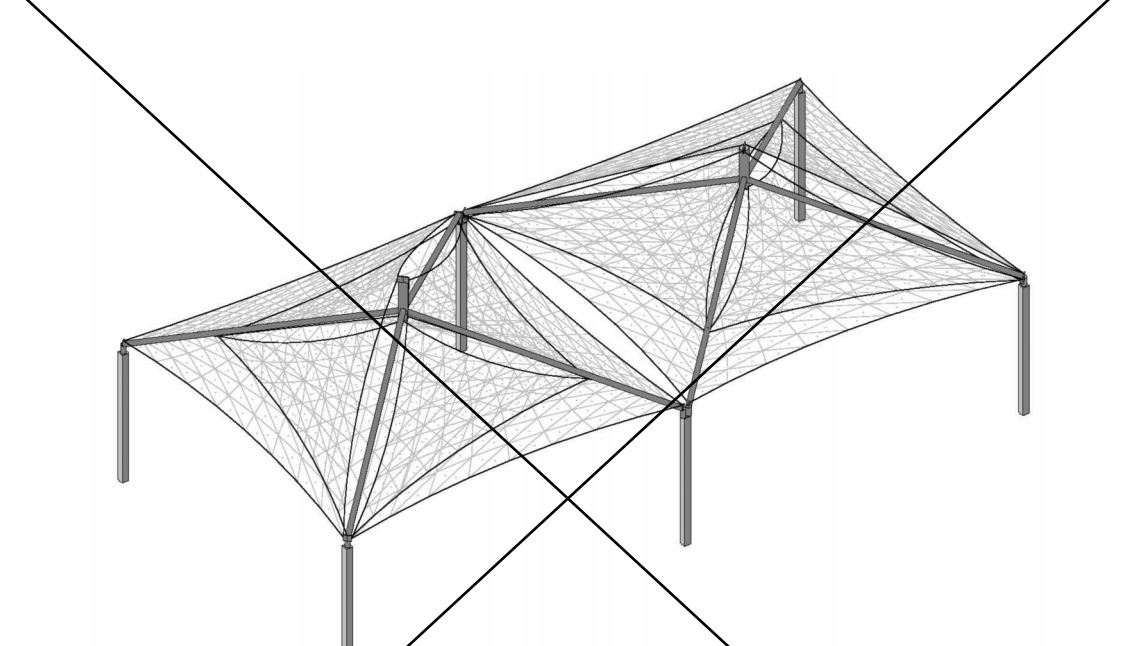
HEXAGON



STRUCTURE MODEL: DSA3052060-22
 MAX. SIZE: 30' x 200' x 15'
 MAX. AREA: 4,200 SQ. FT.
 MAX. OCCUPANCY: 266 PERSONS
 SEE SHEET 22.1-1000

FOR DSA 103 TESTING & INSPECTIONS SAMPLE, SEE PC T-3.0

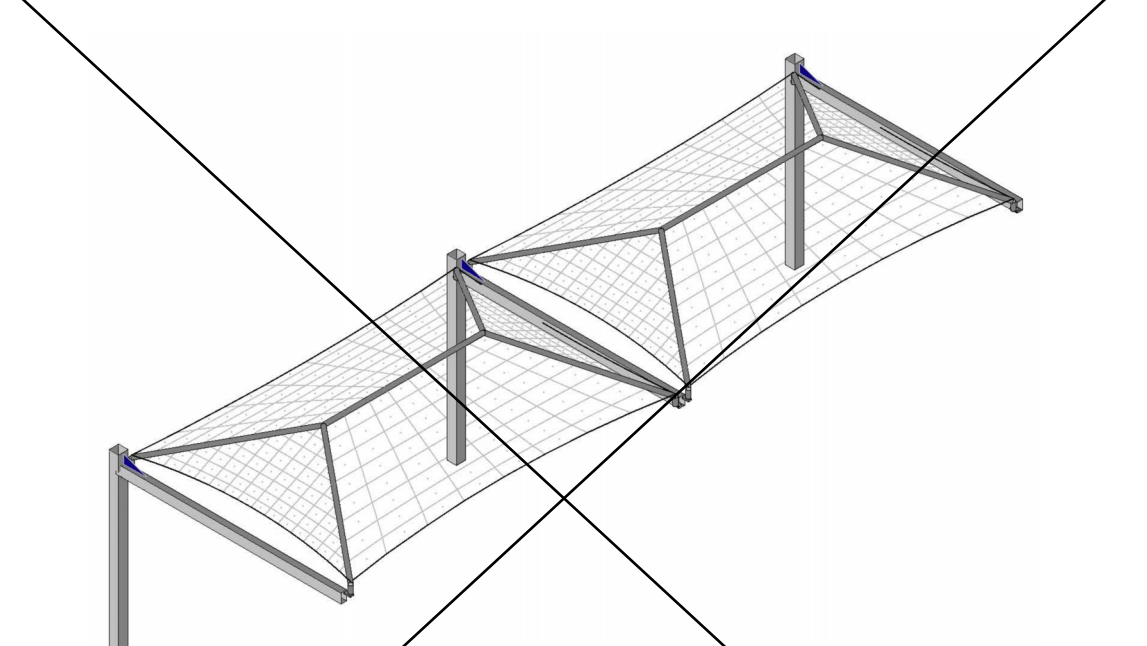
TRI-TRUSS HIP JOINED



STRUCTURE MODEL: DSA4073060-22
 MAX. SIZE: 30' x 150' x 15'
 MAX. AREA: 3,900 SQ. FT.
 MAX. OCCUPANCY: 266 PERSONS
 SEE SHEET 19.1-1000

FOR DSA 103 TESTING & INSPECTIONS SAMPLE, SEE PC T-3.0

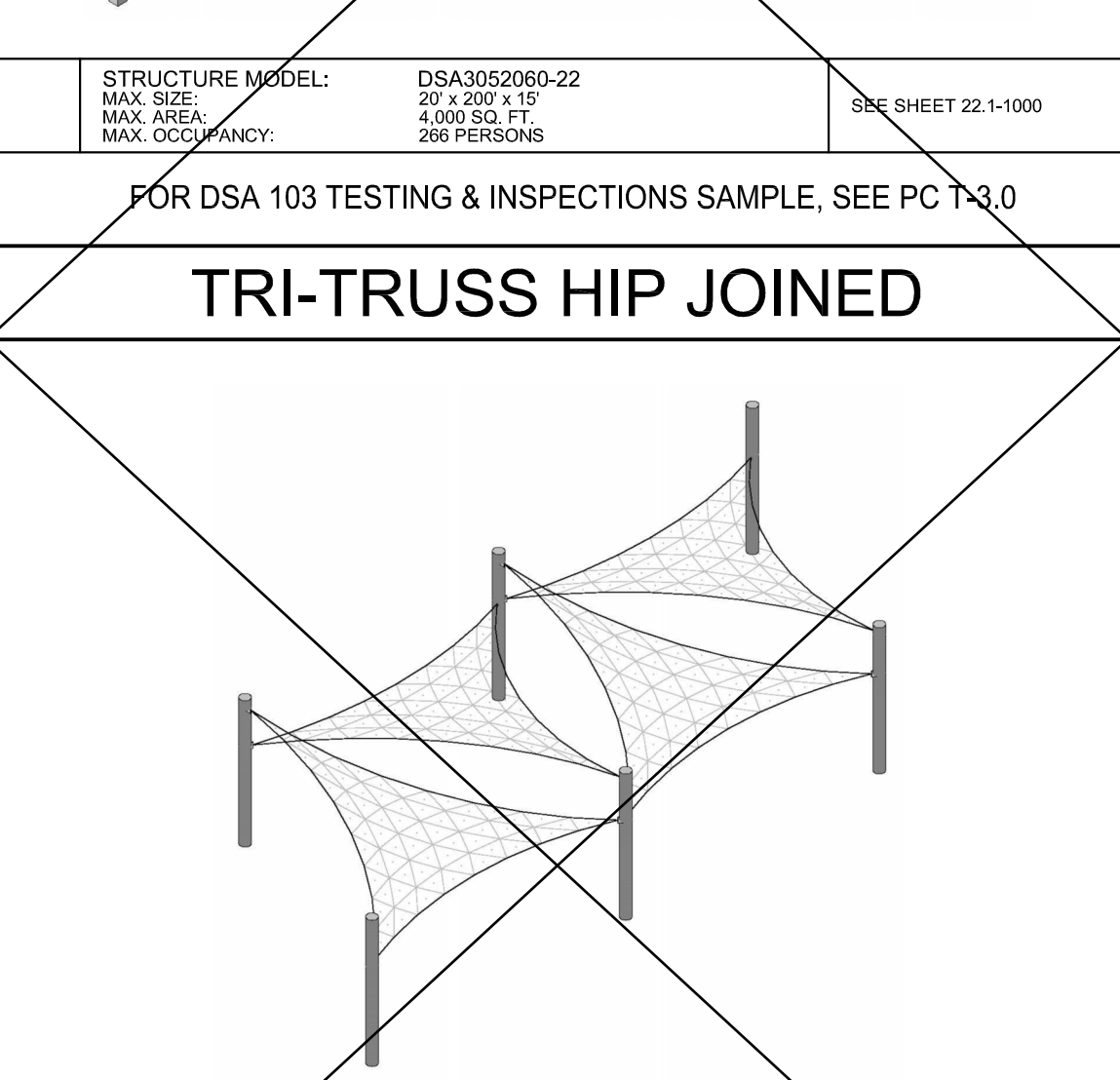
MARINER PEAK JOINED



STRUCTURE MODEL: DSA3022060-22
 MAX. SIZE: 30' x 200' x 15'
 MAX. AREA: 4,200 SQ. FT.
 MAX. OCCUPANCY: 266 PERSONS
 SEE SHEET 12.1-1000

FOR DSA 103 TESTING & INSPECTIONS SAMPLE, SEE PC T-3.0

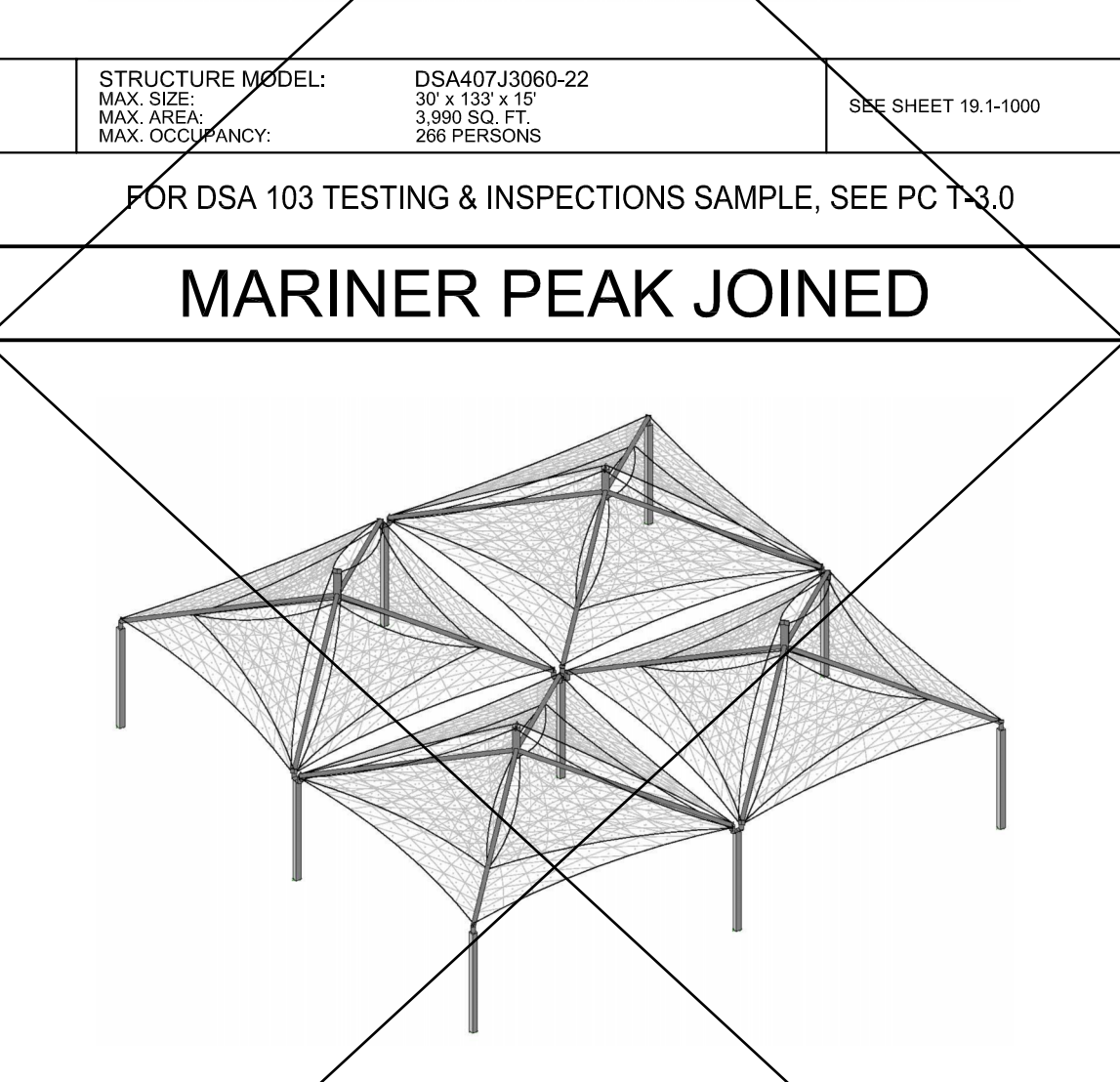
FULL CANTILEVER HIP JOINED



STRUCTURE MODEL: DSA30730-22
 MAX. SIZE: 30' x 133' x 15'
 MAX. AREA: 3,900 SQ. FT.
 MAX. OCCUPANCY: 266 PERSONS
 SEE SHEET 23.1-1000

FOR DSA 103 TESTING & INSPECTIONS SAMPLE, SEE PC T-3.0

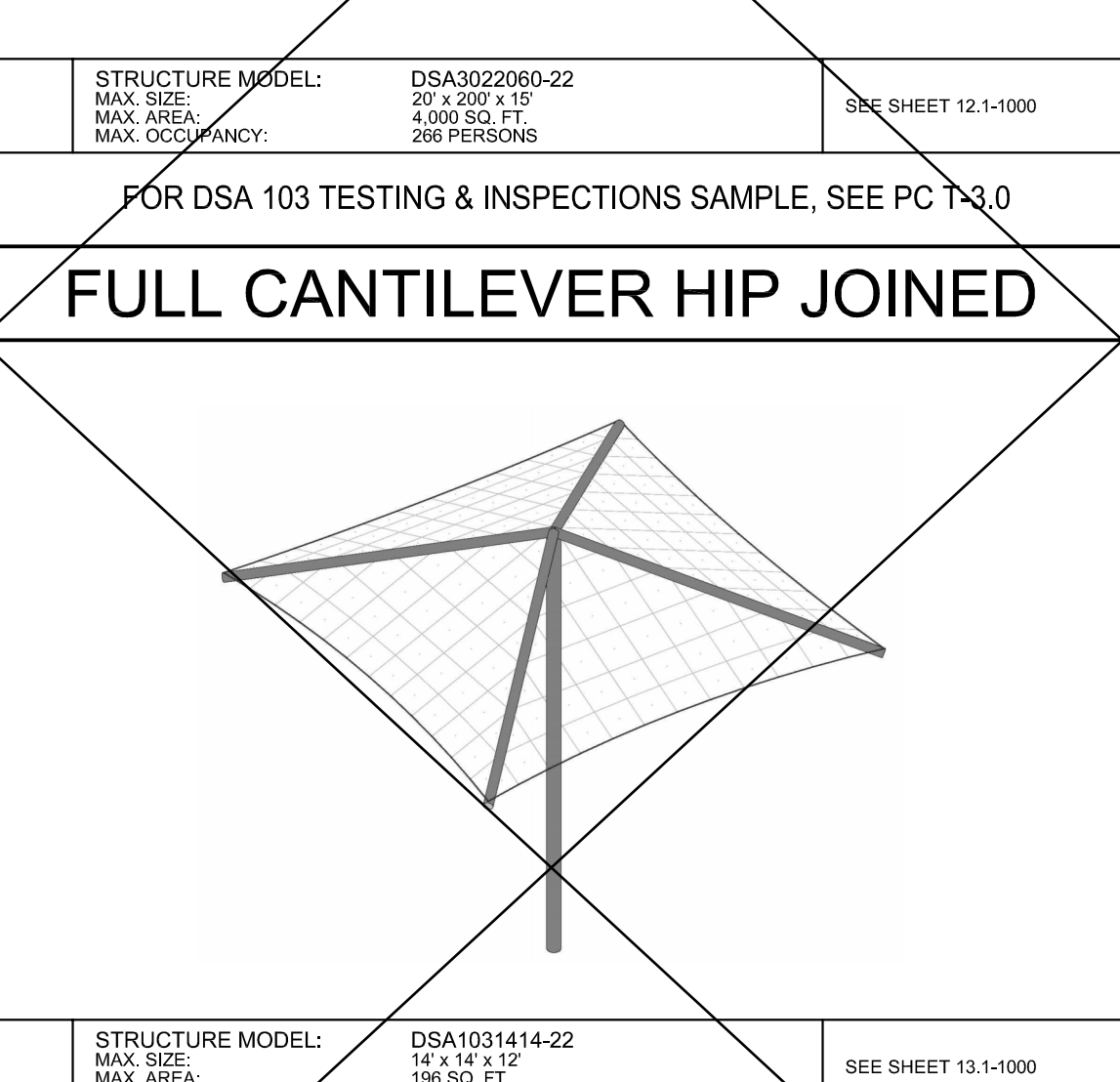
TENSIONS SAILS THREE-POINT



STRUCTURE MODEL: DSA40706060-22
 MAX. SIZE: 60' x 60' x 15'
 MAX. AREA: 3,600 SQ. FT.
 MAX. OCCUPANCY: 240 PERSONS
 SEE SHEET 20.1-1000

FOR DSA 103 TESTING & INSPECTIONS SAMPLE, SEE PC T-3.0

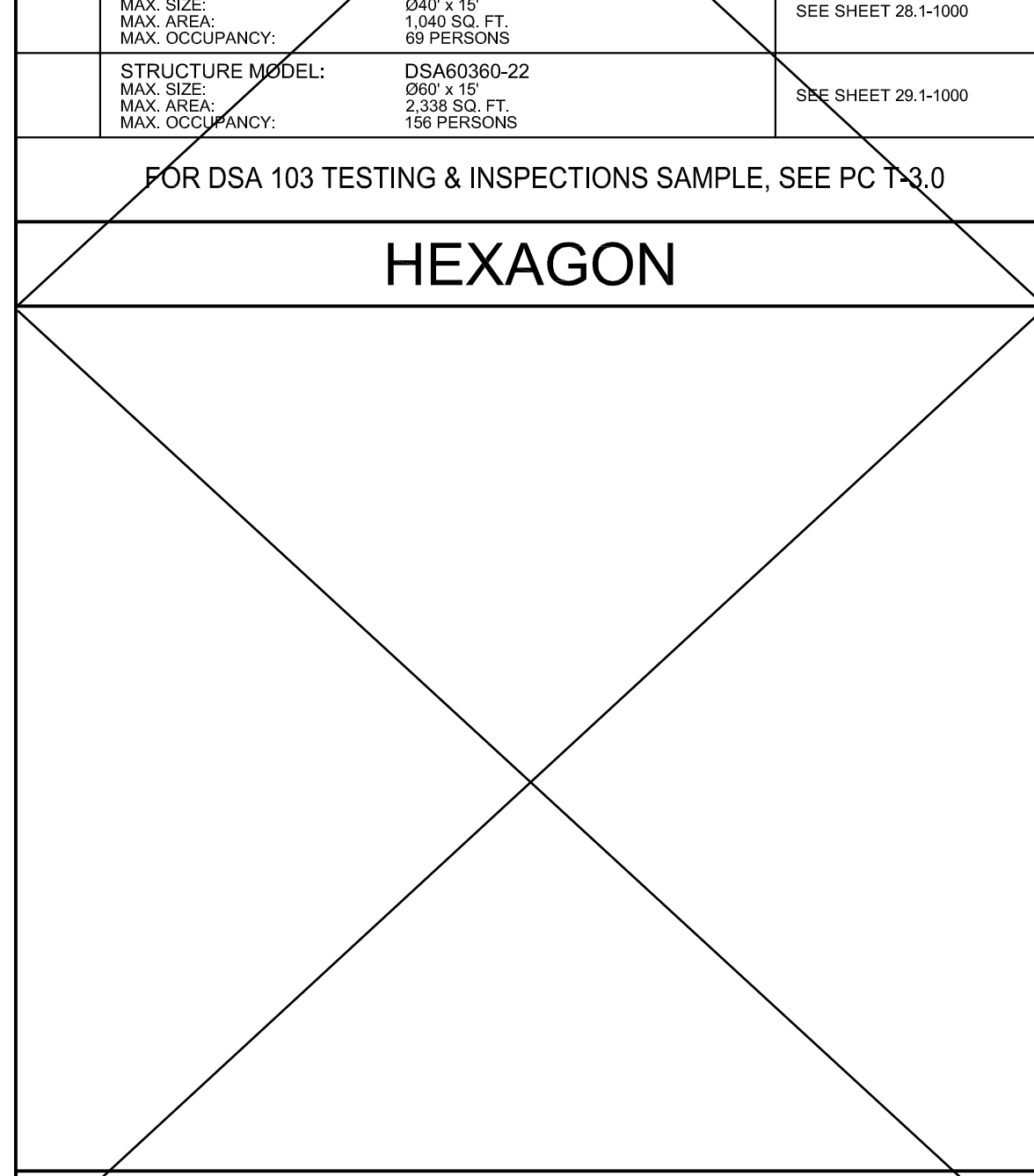
MARINER PEAK QUAD



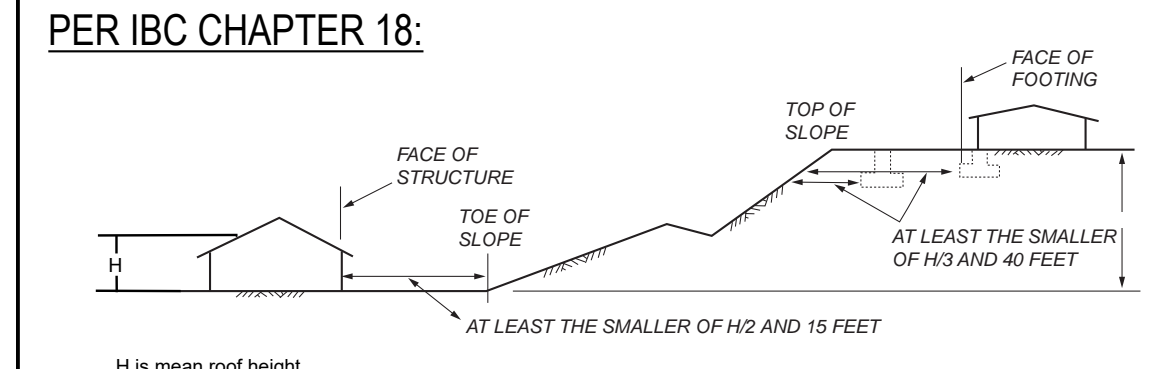
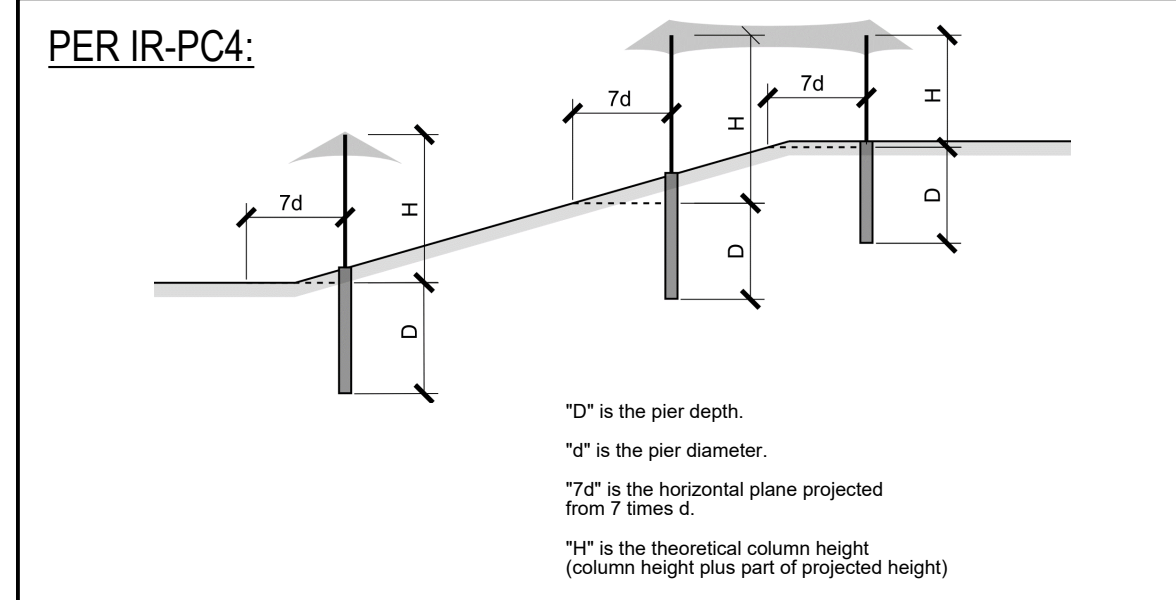
STRUCTURE MODEL: DSA1031414-22
 MAX. SIZE: 14' x 14' x 12'
 MAX. AREA: 196 SQ. FT.
 MAX. OCCUPANCY: 13 PERSONS
 SEE SHEET 13.1-1000

FOR DSA 103 TESTING & INSPECTIONS SAMPLE, SEE PC T-3.0

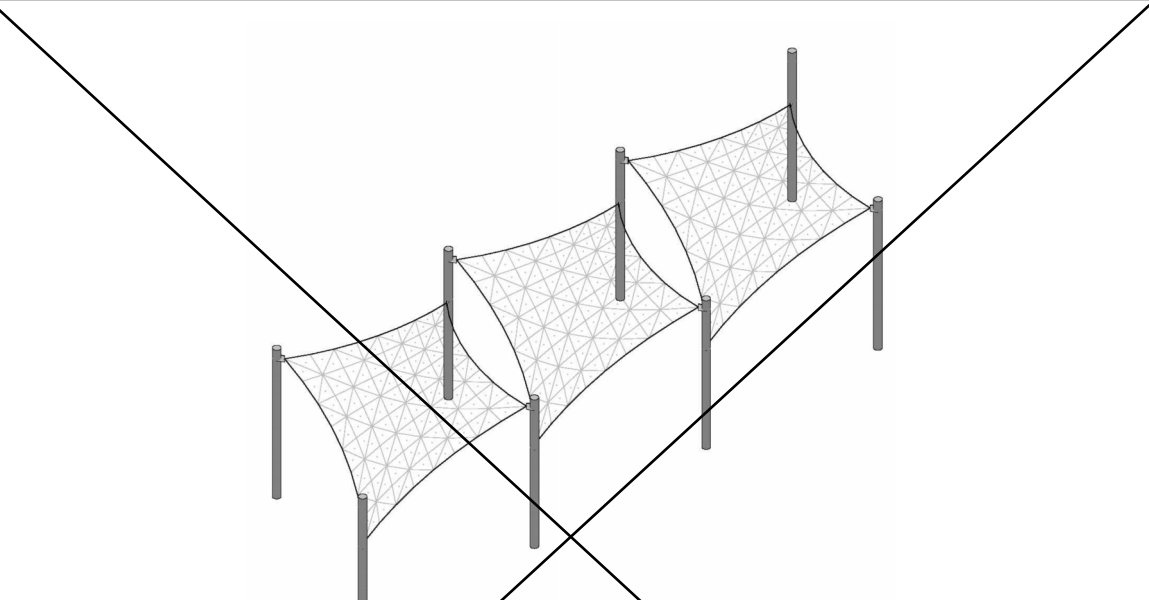
SINGLE POST PYRAMID



NOT USED



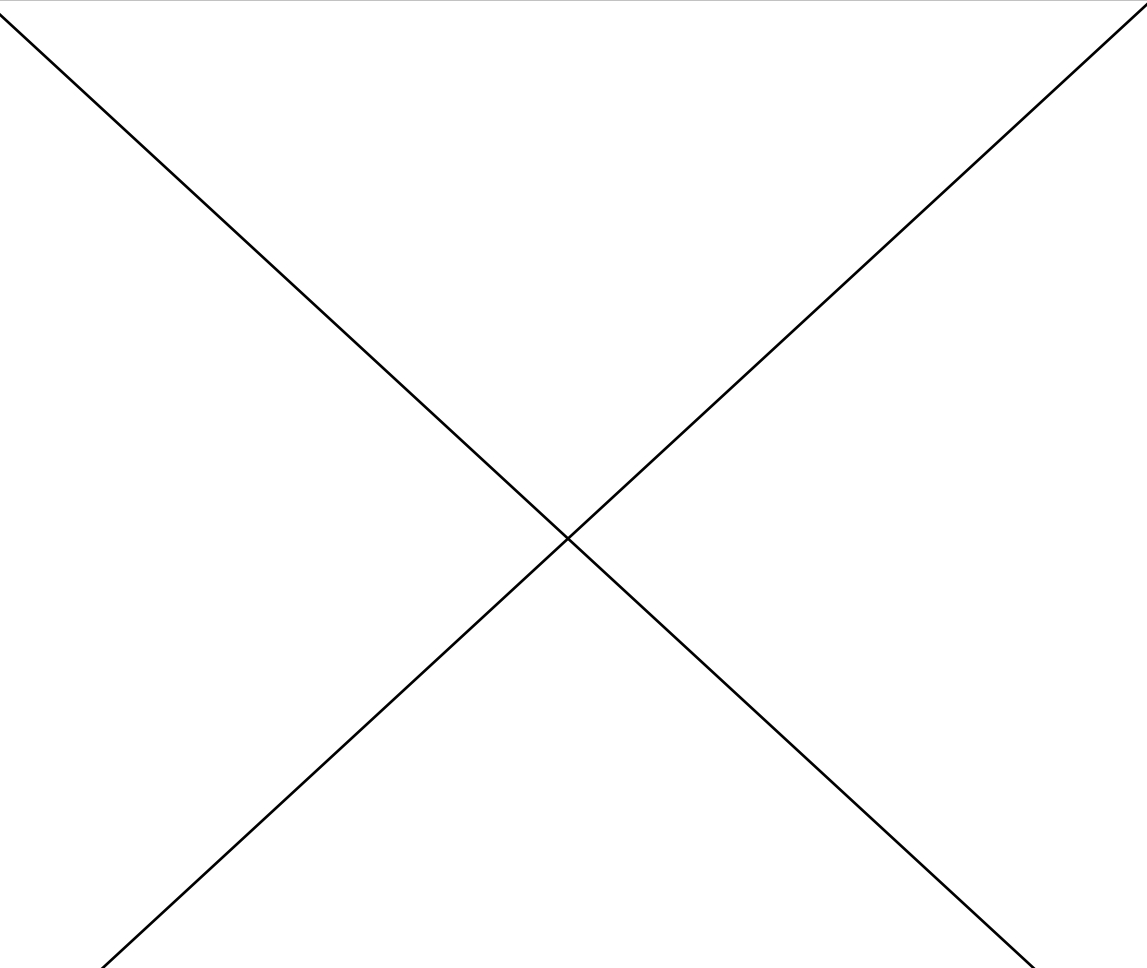
PC SLOPE DESIGN PARAMETERS



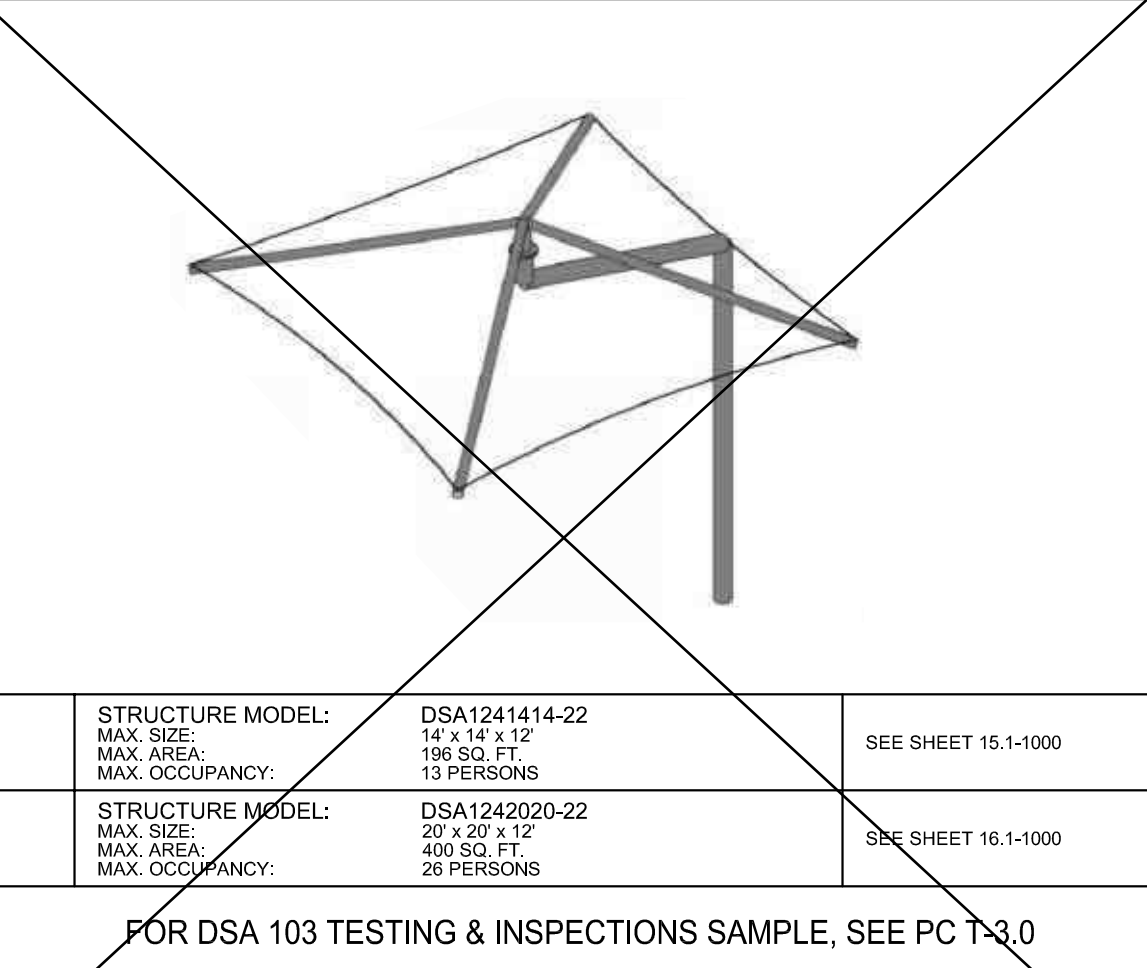
STRUCTURE MODEL: DSA4182020-22
 MAX. SIZE: 20' x 200' x 15'
 MAX. AREA: 4,200 SQ. FT.
 MAX. OCCUPANCY: 266 PERSONS
 SEE SHEET 24.1-1000

FOR DSA 103 TESTING & INSPECTIONS SAMPLE, SEE PC T-3.0

TENSIONS SAILS FOUR-POINT



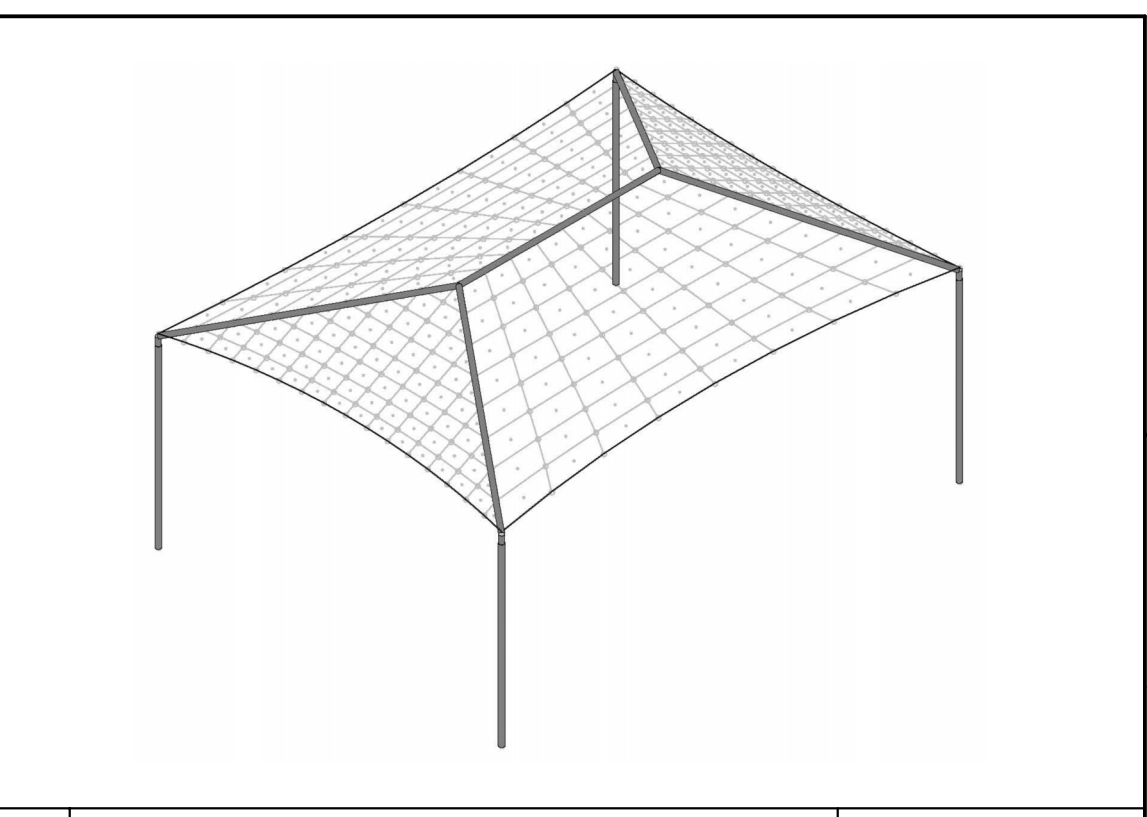
NOT USED



STRUCTURE MODEL: DSA1241414-22
 MAX. SIZE: 14' x 14' x 12'
 MAX. AREA: 196 SQ. FT.
 MAX. OCCUPANCY: 13 PERSONS
 SEE SHEET 15.1-1000

FOR DSA 103 TESTING & INSPECTIONS SAMPLE, SEE PC T-3.0

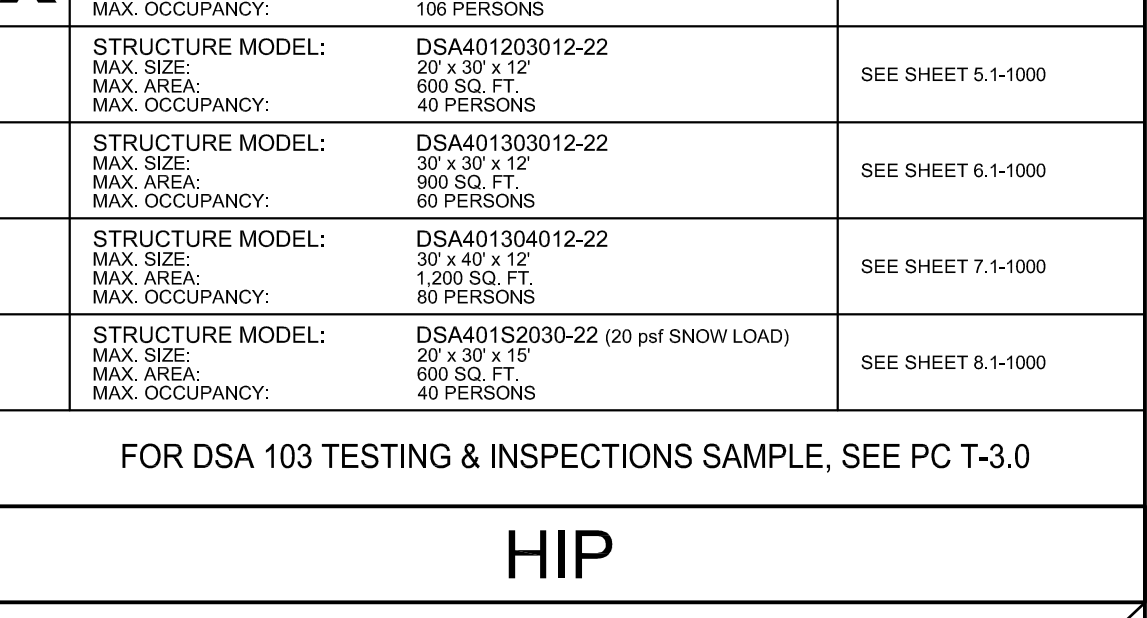
SINGLE POST PYRAMID CANTILEVER



STRUCTURE MODEL: DSA4012030-22
 MAX. SIZE: 20' x 30' x 15'
 MAX. AREA: 600 SQ. FT.
 MAX. OCCUPANCY: 40 PERSONS
 SEE SHEET 1.1-1000

FOR DSA 103 TESTING & INSPECTIONS SAMPLE, SEE PC T-3.0

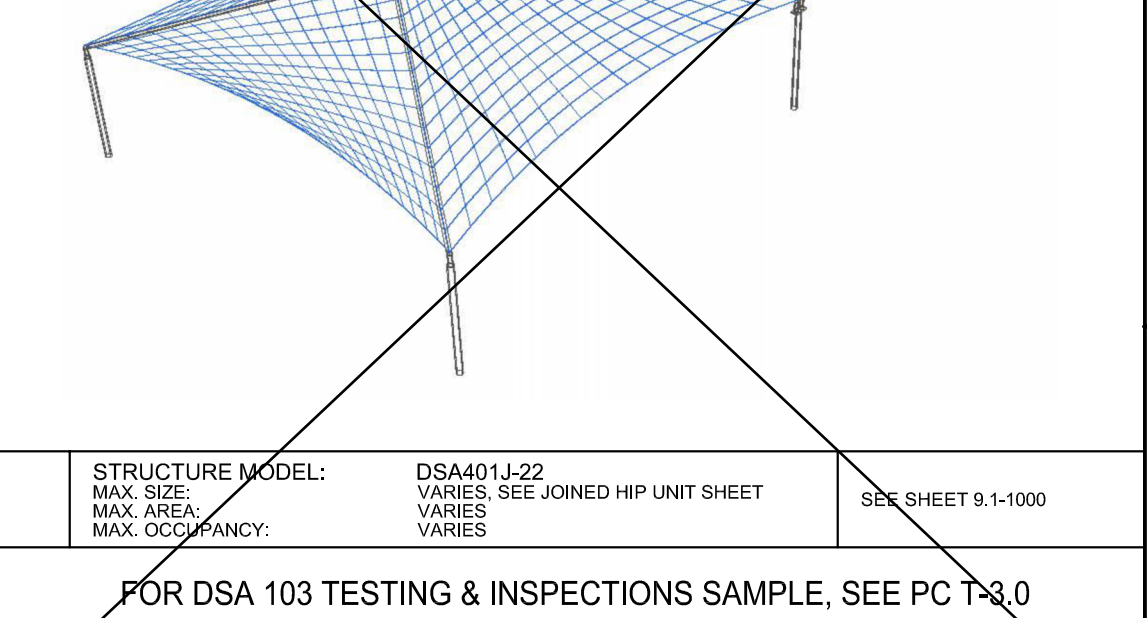
HIP



STRUCTURE MODEL: DSA4013030-22
 MAX. SIZE: 30' x 30' x 15'
 MAX. AREA: 900 SQ. FT.
 MAX. OCCUPANCY: 60 PERSONS
 SEE SHEET 2.1-1000

FOR DSA 103 TESTING & INSPECTIONS SAMPLE, SEE PC T-3.0

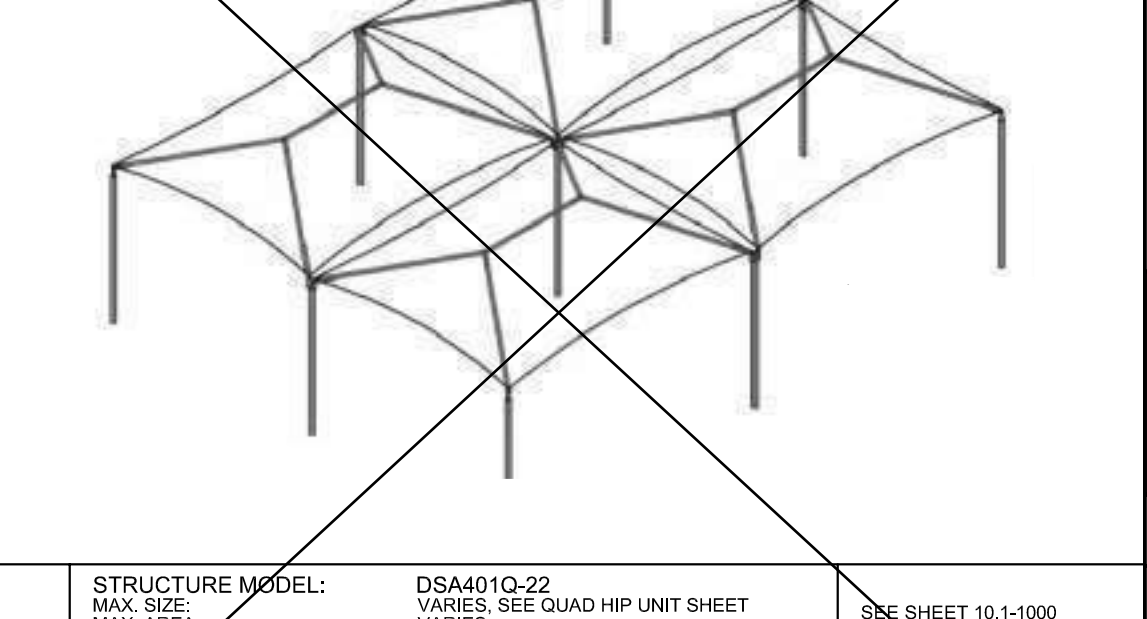
HIP



STRUCTURE MODEL: DSA4014040-22
 MAX. SIZE: 40' x 40' x 15'
 MAX. AREA: 1,600 SQ. FT.
 MAX. OCCUPANCY: 106 PERSONS
 SEE SHEET 4.1-1000

FOR DSA 103 TESTING & INSPECTIONS SAMPLE, SEE PC T-3.0

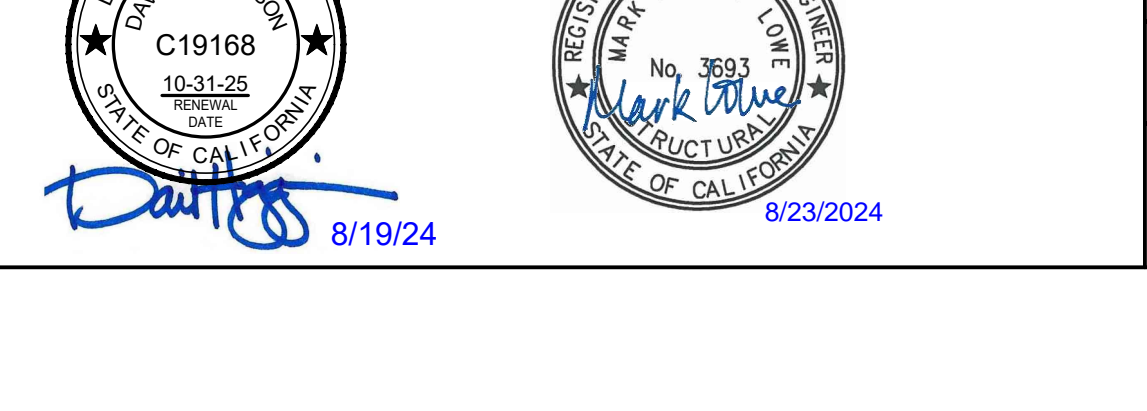
HIP



STRUCTURE MODEL: DSA4012030-22
 MAX. SIZE: 20' x 30' x 15'
 MAX. AREA: 600 SQ. FT.
 MAX. OCCUPANCY: 40 PERSONS
 SEE SHEET 5.1-1000

FOR DSA 103 TESTING & INSPECTIONS SAMPLE, SEE PC T-3.0

HIP



STRUCTURE MODEL: DSA4013040-22
 MAX. SIZE: 30' x 40' x 15'
 MAX. AREA: 1,200 SQ. FT.
 MAX. OCCUPANCY: 80 PERSONS
 SEE SHEET 3.1-1000

FOR DSA 103 TESTING & INSPECTIONS SAMPLE, SEE PC T-3.0

HIP

STRUCTURE MODEL: DSA4013040-22
 MAX. SIZE: 30' x 40' x 15'
 MAX. AREA: 1,200 SQ. FT.
 MAX. OCCUPANCY: 80 PERSONS
 SEE SHEET 6.1-1000

FOR DSA 103 TESTING & INSPECTIONS SAMPLE, SEE PC T-3.0

HIP

STRUCTURE MODEL: DSA4013040-22
 MAX. SIZE: 30' x 40' x 15'
 MAX. AREA: 1,200 SQ. FT.
 MAX. OCCUPANCY: 80 PERSONS
 SEE SHEET 7.1-1000

FOR DSA 103 TESTING & INSPECTIONS SAMPLE, SEE PC T-3.0

HIP

STRUCTURE MODEL: DSA4012030-22 (20 psf SNOW LOAD)
 MAX. SIZE: 20' x 30' x 15'
 MAX. AREA: 600 SQ. FT.
 MAX. OCCUPANCY: 40 PERSONS
 SEE SHEET 8.1-1000

FOR DSA 103 TESTING & INSPECTIONS SAMPLE, SEE PC T-3.0

HIP

FOR DSA 103 TESTING & INSPECTIONS SAMPLE, SEE PC T-3.0

HIP

FOR DSA 103 TESTING & INSPECTIONS SAMPLE, SEE PC T-3.0

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FOR DSA 103 TESTING & INSPECTIONS SAMPLE, SEE PC T-3.0

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FOR DSA 103 TESTING & INSPECTIONS SAMPLE, SEE PC T-3.0

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FOR DSA 103 TESTING & INSPECTIONS SAMPLE, SEE PC T-3.0

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FOR DSA 103 TESTING & INSPECTIONS SAMPLE, SEE PC T-3.0

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FOR DSA 103 TESTING & INSPECTIONS SAMPLE, SEE PC T-3.0

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FOR DSA 103 TESTING & INSPECTIONS SAMPLE, SEE PC T-3.0

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FOR DSA 103 TESTING & INSPECTIONS SAMPLE, SEE PC T-3.0

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FOR DSA 103 TESTING & INSPECTIONS SAMPLE, SEE PC T-3.0

HIP

FOR DSA 103 TESTING

DSA 103-22: LISTING OF STRUCTURAL TESTS & SPECIAL INSPECTIONS, 2022 CBC

General
 Application Number: 04-123501
 School Name: PCF FABRIC SHADE STRUCTURES
 School District: USA SHADE AND FABRIC STRUCTURES
 Date Created: 2024-08-06 15:16:59
 DSA File Number: PC-140

IMPORTANT: This form is only a summary list of structural tests and some of the special inspections required for the project. Generally, the structural tests and special inspections noted on this form are those that will be performed by the Geotechnical Engineer of Record, Laboratory of Record, or Special Inspector. The actual complete test and inspection program must be performed as detailed on the DSA approved documents. The appendix at the bottom of this form identifies work NOT subject to DSA requirements for laboratory inspection or structural testing. The project inspector is responsible for providing inspection of all facets of construction, including but not limited to, special inspections noted on this form such as structural wood framing, high-load wood diaphragms, cold-formed steel framing, anchorage of non-structural components, etc. per Title 24, Part 2, Chapter 17A (2022 CBC).

****NOTE:** Undefined section and table references found in this document are from the CBC, or California Building Code.

KEY TO COLUMNS	1. TYPE	2. PERFORMED BY
Continuous – Indicates that a continuous special inspection is required		GE (Geotechnical Engineer) – Indicates that the special inspection shall be performed by a registered geotechnical engineer or his or her authorized representative. LOR (Laboratory of Record) – Indicates that the test or special inspection shall be performed by a testing laboratory accepted in the DSA Laboratory Evaluation and Acceptance (LEA) Program. See CAC Section 4-335. PI (Project Inspector) – Indicates that the special inspection may be performed by a project inspector when specifically approved by DSA. SI (Special Inspection) – Indicates that the special inspection shall be performed by an appropriately qualified approved special inspector.
Periodic – Indicates that a periodic special inspection is required		
Test – Indicates that a test is required		

DSA 103-22: LISTING OF STRUCTURAL TESTS & SPECIAL INSPECTIONS (SOILS), 2022 CBC

Table 1705A.6, Table 1705A.7, Table 1705A.8
 Application Number: 04-123501
 School Name: PCF FABRIC SHADE STRUCTURES
 School District: USA SHADE AND FABRIC STRUCTURES
 Date Created: 2024-08-06 15:16:59
 DSA File Number: PC-140

Geotechnical Reports: Project does NOT have and does NOT require a geotechnical report

Test or Special Inspection	Type	Performed By	Code References and Notes
S1. GENERAL:			
<input checked="" type="checkbox"/> a. Verify that: - Site has been prepared properly prior to placement of controlled fill and/or excavations for foundations. - Foundation excavations are extended to proper depth and have reached proper materials. - Materials below footings must not contain loose material, mud, organic silt, organic clay, or peat.	See Notes	PI	Refer to specific items identified in the Appendix listing exemptions for limitations. Placement of controlled fill exceeding 12" depth under foundations and/or within the building envelope is not permitted without a geotechnical report.
S2. SOIL COMPACTION AND FILL:			see T&I Note #7 for additional information
Test or Special Inspection	Type	Performed By	Code References and Notes
<input type="checkbox"/> a. Perform classification and testing of fill materials.	Test	LOR*	*Under the supervision of the geotechnical engineer.
<input type="checkbox"/> b. Verify use of proper materials, densities and inspect lift thickness, placement and compaction during placement of fill.	Continuous	LOR*	*Under the supervision of a geotechnical engineer or LOR's engineering manager. Refer to specific items identified in the Appendix listing exemptions for limitations.
<input type="checkbox"/> c. Compaction testing.	Test	LOR*	*Under the supervision of a geotechnical engineer or LOR's engineering manager. Refer to specific items identified in the Appendix listing exemptions for limitations.
S3. DRIVEN DEEP FOUNDATIONS (PILES):			
Test or Special Inspection	Type	Performed By	Code References and Notes
<input type="checkbox"/> a. Verify pile materials, sizes and lengths comply with the requirements.	Continuous	GE*	*By geotechnical engineer or his or her qualified representative.

DSA 103-22: LISTING OF STRUCTURAL TESTS & SPECIAL INSPECTIONS (SOILS), 2022 CBC

Table 1705A.6, Table 1705A.7, Table 1705A.8
 Application Number: 04-123501
 School Name: PCF FABRIC SHADE STRUCTURES
 School District: USA SHADE AND FABRIC STRUCTURES
 Date Created: 2024-08-06 15:16:59
 DSA File Number: PC-140

Test or Special Inspection	Type	Performed By	Code References and Notes
<input type="checkbox"/> b. Determine capacities of test piles and conduct additional load tests as required.	Test	LOR*	*Under the supervision of the geotechnical engineer.
<input type="checkbox"/> c. Inspect driving operations and maintain complete and accurate records for each pile.	Continuous	GE*	*By geotechnical engineer or his or her qualified representative.
<input type="checkbox"/> d. Verify locations of piles and their plumbness, confirm type and size of hammer, record number of blows per foot of penetration, determine required penetrations to achieve design capacity, record tip and ball elevations and record any pile damage.	Continuous	GE*	*By geotechnical engineer or his or her qualified representative.
<input type="checkbox"/> e. Steel piles.			Provide tests and inspections per STEEL section below.
<input type="checkbox"/> f. Concrete piles and concrete filled piles.			Provide tests and inspections per CONCRETE section below.
<input type="checkbox"/> g. For specialty piles, perform additional inspections as determined by the registered design professional in responsible charge.			*As defined on drawings or specifications.
S4. CAST-IN-PLACE DEEP FOUNDATIONS (PIERS):			see T&I Note #8 for additional information
Test or Special Inspection	Type	Performed By	Code References and Notes
<input checked="" type="checkbox"/> a. Inspect drilling operations and maintain complete and accurate records for each pier.	Continuous	PI	Continuous inspection to be provided by project inspector. Refer to specific items identified in the Appendix listing exemptions for limitations.
<input checked="" type="checkbox"/> b. Verify pier locations, diameters, plumbness and lengths. Record concrete or grout volume.	Continuous	PI	Continuous inspection to be provided by project inspector. Refer to specific items identified in the Appendix listing exemptions for limitations.
<input checked="" type="checkbox"/> c. Concrete piers.			Provide tests and inspections per CONCRETE section below.

DSA 103-22: LISTING OF STRUCTURAL TESTS & SPECIAL INSPECTIONS (SOILS), 2022 CBC

Table 1705A.6, Table 1705A.7, Table 1705A.8
 Application Number: 04-123501
 School Name: PCF FABRIC SHADE STRUCTURES
 School District: USA SHADE AND FABRIC STRUCTURES
 Date Created: 2024-08-06 15:16:59
 DSA File Number: PC-140

Test or Special Inspection	Type	Performed By	Code References and Notes
S5. RETAINING WALLS:			
Test or Special Inspection	Type	Performed By	Code References and Notes
<input type="checkbox"/> a. Placement, compaction and inspection of backfill.	Continuous	GE*	*By geotechnical engineer or his or her qualified representative. (See section 52 above).
<input type="checkbox"/> b. Placement of soil reinforcement and/or drainage devices.	Continuous	GE*	*By geotechnical engineer or his or her qualified representative.
<input type="checkbox"/> c. Segmental retaining walls: inspect placement of walls, dowels, connectors, etc.	Continuous	GE*	*By geotechnical engineer or his or her qualified representative.
<input type="checkbox"/> d. Concrete retaining walls.			Provide tests and inspections per CONCRETE section below.
<input type="checkbox"/> e. Masonry retaining walls.			Provide tests and inspections per MASONRY section below.
S6. OTHER SOILS:			
Test or Special Inspection	Type	Performed By	Code References and Notes
<input type="checkbox"/> a. Soil Improvements	Test	GE*	Submit a comprehensive report documenting final soil improvements constructed, construction observation and the results of the confirmation testing and analysis to CGS (California Geological Survey) for final acceptance. *By geotechnical engineer or his or her qualified representative.
<input type="checkbox"/> b. Inspection of Soil Improvements	Continuous	GE*	*By geotechnical engineer or his or her qualified representative.
<input type="checkbox"/> c.			

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 DGS DSA 103-22 (Revised 12/5/2023)

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 DGS DSA 103-22 (Revised 12/5/2023)

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DSA 103-22: LISTING OF STRUCTURAL TESTS & SPECIAL INSPECTIONS (CONCRETE), 2022 CBC

Table 1705A.3, ACI 318-19 Sections 26.12 & 26.13
 Application Number: 04-123501
 School Name: PCF FABRIC SHADE STRUCTURES
 School District: USA SHADE AND FABRIC STRUCTURES
 Date Created: 2024-08-06 15:16:59
 DSA File Number: PC-140

Test or Special Inspection	Type	Performed By	Code References and Notes
C1. CAST-IN-PLACE CONCRETE			
Test or Special Inspection	Type	Performed By	Code References and Notes
<input checked="" type="checkbox"/> a. Verify use of required design mix.	Continuous	SI	Table 1705A.3 Item 5, 1910A.1.
<input checked="" type="checkbox"/> b. Identify sample, and test reinforcing steel.	Test	LOR	1910A.2; ACI 318-19 Ch.20 and Section 26.6.1.2 DSA IR 17-10. (See Appendix (end of this form) for exemptions.)
<input checked="" type="checkbox"/> c. During concrete placement, fabricate specimens for strength tests, perform slump and air content tests, and determine the temperature of the concrete.	Test	LOR	Table 1705A.3 Item 6; ACI 318-19 Sections 26.5 & 26.12.
<input checked="" type="checkbox"/> d. Test concrete (f'c).	Test	LOR	1905A.1.17; ACI 318-19 Section 26.12.
<input checked="" type="checkbox"/> e. Batch plant inspection: Not Required	See Notes	SI	Default of 'Continuous' per 1705A.3.3 if approved by DSA, batch plant inspection may be reduced to 'Periodic' subject to requirements in Section 1705A.3.3.1, or not required per 1705A.3.3.2. See IR 17-13. (See Appendix (end of this form) for exemptions.)
<input type="checkbox"/> f. Welding of reinforcing steel.			Provide special inspection per STEEL Category S/A4(6) & (e) and/or S/A5(4) & (h) below.
C2. PRESTRESSED / POST-TENSIONED CONCRETE (IN ADDITION TO SECTION C1):			
Test or Special Inspection	Type	Performed By	Code References and Notes
<input type="checkbox"/> a. Sample and test prestressing tendons and anchorages.	Test	LOR	1705A.3.4, 1910A.3
<input type="checkbox"/> b. Inspect placement of prestressing tendons.	Periodic	SI	1705A.3.4, Table 1705A.3 Item 1 & 9.

DSA 103-22: LISTING OF STRUCTURAL TESTS & SPECIAL INSPECTIONS (CONCRETE), 2022 CBC

Table 1705A.3, ACI 318-19 Sections 26.12 & 26.13
 Application Number: 04-123501
 School Name: PCF FABRIC SHADE STRUCTURES
 School District: USA SHADE AND FABRIC STRUCTURES
 Date Created: 2024-08-06 15:16:59
 DSA File Number: PC-140

Test or Special Inspection	Type	Performed By	Code References and Notes
<input type="checkbox"/> c. Verify in-situ concrete strength prior to stressing of post-tensioning tendons.	Periodic	SI	Table 1705A.3 Item 13. Special Inspector to verify specified concrete strength test prior to stressing.
<input type="checkbox"/> d. Inspect application of post-tensioning or prestressing forces and grouting of bonded prestressing tendons.	Continuous	SI	1705A.3.4, Table 1705A.3 Item 9; ACI 318-19 Section 26.13
C3. PRECAST CONCRETE (IN ADDITION TO SECTION C1):			
Test or Special Inspection	Type	Performed By	Code References and Notes
<input type="checkbox"/> a. Inspect fabrication of precast concrete members.	Continuous	SI	ACI 318-19 Section 26.13, and PCI MNL-128 and -130.
<input type="checkbox"/> b. Inspect erection of precast concrete members.	Periodic	SI*	Table 1705A.3 Item 10. *May be performed by PI when specifically approved by DSA.
<input type="checkbox"/> c. For precast concrete diaphragm connections or reinforcement at joints classified as moderate or high deformability elements (MDC or HDC) in structures assigned to Seismic Design Category D, E or F, inspect such connections and reinforcement in the field for: 1. Installation of the embedded parts 2. Completion of the continuity of reinforcement across joints. 3. Completion of connections in the field.	Continuous	SI	Table 1705A.3, ACI 318-19 Section 26.13.1.3, ACI 550.5
<input type="checkbox"/> d. Inspect installation tolerances of precast concrete diaphragm connections for compliance with ACI 550.5.	Periodic	SI	Table 1705A.3, ACI 318-19 Section 26.13.1.3, ACI 550.5

DSA 103-22: LISTING OF STRUCTURAL TESTS & SPECIAL INSPECTIONS (CONCRETE), 2022 CBC

Table 1705A.3, ACI 318-19 Sections 26.12 & 26.13
 Application Number: 04-123501
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 School District: USA SHADE AND FABRIC STRUCTURES
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Test or Special Inspection	Type	Performed By	Code References and Notes
C4. SHOTCRETE (IN ADDITION TO SECTION C1):			
Test or Special Inspection	Type	Performed By	Code References and Notes
<input type="checkbox"/> a. Inspect shotcrete placement for proper application techniques.	Continuous	SI	1705A.3.9, Table 1705A.3 Item 7, 1908A.1, 1908A.2, 1908A.3. See ACI 506-2.13 Section 3.4, ACI 506B-16.
<input type="checkbox"/> b. Sample and test shotcrete (f'c).	Test	LOR	1908A.2, 1705A.3.9
C5. POST-INSTALLED ANCHORS:			
Test or Special Inspection	Type	Performed By	Code References and Notes
<input type="checkbox"/> a. Inspect installation of post-installed anchors.	See Notes	SI*	1617A.1.19, Table 1705A.3 Item 4a (Continuous) & 4b (Periodic), 1705A.3.8 (See Appendix (end of this form) for exemptions), ACI 318-19 Section 26.13. *May be performed by the project inspector when specifically approved by DSA.
<input type="checkbox"/> b. Test post-installed anchors.	Test	LOR	1910A.5. (See Appendix (end of this form) for exemptions.)
C6. OTHER CONCRETE:			
Test or Special Inspection	Type	Performed By	Code References and Notes
<input type="checkbox"/> a.			

DSA 103-22: LISTING OF STRUCTURAL TESTS & SPECIAL INSPECTIONS (STEEL AND ALUMINUM), 2022 CBC

Table 1705A.2.1, Table 1705A.2.1, AISC 303-16, AISC 341-16, AISC 358-16, AISC 360-16, AISI S100-20, RCSC 2014, AWS D1.1, AWS D1.2, AWS D1.3, AWS D1.4, AWS D1.8
 Application Number: 04-123501
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 School District: USA SHADE AND FABRIC STRUCTURES
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S/A1. STRUCTURAL STEEL, COLD-FORMED STEEL AND ALUMINUM USED FOR STRUCTURAL PURPOSES	Test or Special Inspection	Type	Performed By	Code References and Notes
S/A1	<input checked="" type="checkbox"/> a. Verify identification of all materials and UMI certificates indicate material properties that comply with requirements. *Material sizes, types and grades comply with requirements.	Periodic	SI	Table 1705A.2.1 Item 3a, 3c, 2202A.1; AISI S100-20 Section A3.1 & A3.2; AISI S240-20 Section A3 & A3.2; AISI S220-20 Sections A4 & A4.1. By special inspector or qualified technician when performed off-site.
	<input checked="" type="checkbox"/> b. Test unidentified materials.	Test	LOR	2202A.1.
	<input checked="" type="checkbox"/> c. Examine seam welds of HSS shapes.	Periodic	SI	DSA IR 17-3.
	<input checked="" type="checkbox"/> d. Verify and document steel fabrication per DSA-approved construction documents.	Periodic	SI	Not applicable to cold formed steel light-frame construction, except for trusses (1705A.2.4).
S/A2. HIGH-STRENGTH BOLTS:	<input checked="" type="checkbox"/> a. Verify identification markings and manufacturer's certificates of compliance conform to ASTM standards specified in the DSA-approved documents.	Periodic	SI	Table 1705A.2.1 Items 1a & 1b, 2202A.1; AISC 360-16 Section A3.3, J3.1, and N3.2; RCSC 2014 Section 1.5 & 2.1; DSA IR 17.8 & DSA IR 17-9.
	<input checked="" type="checkbox"/> b. Test high-strength bolts, nuts and washers.	Test	LOR	Table 1705A.2.1 Item 1c, 2213A.1; RCSC 2014 Section 7.2; DSA IR 17.8.
	<input checked="" type="checkbox"/> c. Bearing-type ("snug tight") connections.	Periodic	SI	Table 1705A.2.1 Item 2a, 1705A.2.4, 2204A.2; AISC 360-16 Section J3.1, J3.2, M2.5 & N4; RCSC 2014 Section 9.1; DSA IR 17.9.
S/A7. STEEL JOISTS AND TRUSSES:	<input checked="" type="checkbox"/> d. Pretensioned and slip-critical connections.		SI	Table 1705A.2.1 Items 2b & 2c, 1705A.2.4, 2204A.2; AISC 360-16 Section J3.1, J3.2, M2.5 & N4; RCSC 2014 Sections 9.2 & 9.3; DSA IR 17.9. *Continuous or "Periodic" depends on the tightening method used.

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DSA 103-22: LISTING OF STRUCTURAL TESTS & SPECIAL INSPECTIONS (STEEL AND ALUMINUM), 2022 CBC

Table 1705A.2.1, Table 1705A.2.1, AISC 303-16, AISC 341-16, AISC 358-16, AISC 360-16, AISI S100-20, RCSC 2014, AWS D1.1, AWS D1.2, AWS D1.3, AWS D1.4, AWS D1.8
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S/A3. WELDING:	Test or Special Inspection	Type	Performed By	Code References and Notes
S/A3	<input checked="" type="checkbox"/> a. Verify weld filler material identification markings per AWS designation listed on the DSA-approved documents and the WPS.	Periodic	SI	1705A.2.5, Table 1705A.2.1 Items 4 & 5; AWS D1.1 and AWS D1.8 for structural steel; AWS D1.2 for Aluminum; AWS D1.3 for cold formed steel; AWS D1.4 for reinforcing steel; DSA IR 17-3.
	<input checked="" type="checkbox"/> b. Verify weld filler material manufacturer's certificate of compliance.	Periodic	SI	DSA IR 17-3.
	<input checked="" type="checkbox"/> c. Verify WPS, welder qualifications and equipment.	Periodic	SI	DSA IR 17-3.
S/A4. SHOP WELDING (IN ADDITION TO SECTION S/A3):	Test or Special Inspection	Type	Performed By	Code References and Notes
	<input checked="" type="checkbox"/> a. Inspect groove welds, multi-pass fillet welds, single pass fillet welds > 5/16", plug and slot welds.	Continuous	SI	Table 1705A.2.1 Items 5a.1 & 5a.2; AISC 360-16 (and AISC 341-16 as applicable); DSA IR 17-3.
	<input checked="" type="checkbox"/> b. Inspect single-pass fillet welds < 5/16", floor and roof deck welds.	Periodic	SI	1705A.2.2, Table 1705A.2.1 Items 5a.5 & 5a.6; AISC 360-16 (and AISC 341-16 as applicable); DSA IR 17-3.
	<input checked="" type="checkbox"/> c. Inspect welding of stairs and railing systems.	Periodic	SI	1705A.2.1, AISC 360-16 (and AISC 341-16 as applicable); AWS D1.1 & D1.3; DSA IR 17-3.
	<input checked="" type="checkbox"/> d. Verification of reinforcing steel weldability other than ASTM A706.	Periodic	SI	1705A.3.1; AWS D1.4; DSA IR 17-3. Verify carbon equivalent reported on mill certificates.
	<input checked="" type="checkbox"/> e. Inspect welding of reinforcing steel.	Continuous	SI	Table 1705A.2.1 Item 5b, 1705A.3.1, Table 1705A.3 Item 2, 1903A.8; AWS D1.4; DSA IR 17-3.

DSA 103-22: LISTING OF STRUCTURAL TESTS & SPECIAL INSPECTIONS (STEEL AND ALUMINUM), 2022 CBC

Table 1705A.2.1, Table 1705A.2.1, AISC 303-16, AISC 341-16, AISC 358-16, AISC 360-16, AISI S100-20, RCSC 2014, AWS D1.1, AWS D1.2, AWS D1.3, AWS D1.4, AWS D1.8
 Application Number: 04-123501
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Test or Special Inspection	Type	Performed By	Code References and Notes
S/A5. FIELD WELDING (IN ADDITION TO SECTION S/A3):			
Test or Special Inspection	Type	Performed By	Code References and Notes
<input type="checkbox"/> a. Inspect groove welds, multi-pass fillet welds, single pass fillet welds > 5/16", plug and slot welds.	Continuous	SI	Table 1705A.2.1 Items 5a.1 & 5a.2; AISC 360-16 (and AISC 341-16 as applicable); DSA IR 17-3.
<input type="checkbox"/> b. Inspect single-pass fillet welds < 5/16".	Periodic	SI	Table 1705A.2.1 Item 5a.5; AISC 360-16 (and AISC 341-16 as applicable); DSA IR 17-3.
<input type="checkbox"/> c. Inspect end-welded studs (ASTM A-108) installation (including bond test).	Periodic	SI	2213A.2; AISC 360-16 (and AISC 341-16 as applicable); AWS D1.1; DSA IR 17-3.
<input type="checkbox"/> d. Inspect floor and roof deck welds.	Periodic	SI	1705A.2.2, Table 1705A.2.1 Item 5a.6; AISC 360-16 (and AISC 341-16 as applicable); AWS D1.3; DSA IR 17-3.
<input type="checkbox"/> e. Inspect welding of structural cold-formed steel.	Periodic	SI*	1705A.2.5; AWS D1.3; DSA IR 17-3. The quality control provisions of AISI S240-20 Chapter D shall also apply. *May be performed by the project inspector when specifically approved by DSA.
<input type="checkbox"/> f. Inspect welding of stairs and railing systems.	Periodic	SI*	1705A.2.1; AISC 360-16 (and AISC 341-16 as applicable); AWS D1.1 & D1.3; DSA IR 17-3. *May be performed by the project inspector when specifically approved by DSA.
<input type="checkbox"/> g. Verification of reinforcing steel weldability.	Periodic	SI	1705A.3.1; AWS D1.4; DSA IR 17-3. Verify carbon equivalent reported on mill certificates.
<input type="checkbox"/> h. Inspect welding of reinforcing steel.	Continuous	SI	Table 1705A.2.1 Item 5b, 1705A.3.1, Table 1705A.3 Item 2, 1903A.8; AWS D1.4; DSA IR 17-3.

DSA 103-22: LISTING OF STRUCTURAL TESTS & SPECIAL INSPECTIONS (STEEL AND ALUMINUM), 2022 CBC

Table 1705A.2.1, Table 1705A.2.1, AISC 303-16, AISC 341-16, AISC 358-16, AISC 360-16, AISI S100-20, RCSC 2014, AWS D1.1, AWS D1.2, AWS D1.3, AWS D1.4, AWS D1.8
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Test or Special Inspection	Type	Performed By	Code References and Notes
S/A6. NONDESTRUCTIVE TESTING:			
Test or Special Inspection	Type	Performed By	Code References and Notes
<input type="checkbox"/> a. Ultrasonic.	Test	LOR	1705A.2.1, 1705A.2.5; AISC 341-16 J6.2; AISC 360-16 N5.5; AWS D1.1; AWS D1.8; DSA IR 17-2.
<input type="checkbox"/> b. Magnetic Particle.	Test	LOR	1705A.2.1, 1705A.2.5; AISC 341-16 J6.2; AISC 360-16 N5.5; AWS D1.1; AWS D1.8; DSA IR 17-2.
<input type="checkbox"/> c.	Test	LOR	
S/A7. STEEL JOISTS AND TRUSSES:			
Test or Special Inspection	Type	Performed By	Code References and Notes
<input type="checkbox"/> a. Verify size, type and grade for all chord and web members as well as connectors and weld filler material; verify joint profile, dimensions and camber (if applicable); verify all weld locations, lengths and profiles; mark or tag each joint.			

GENERAL NOTES

- SPECIAL INSPECTION REQUIREMENTS SHALL FOLLOW THE ATTACHED SAMPLE TEST AND INSPECTION LIST (T & LIST) APPROVED BY DSA. THE SHOP WELDING INSPECTION SHALL INCLUDE WELDING OF ALL STEEL MEMBERS AND IDENTIFICATION OF STEEL THROUGH MILL CERTIFICATE OR MATERIAL TESTING. UNCERTIFIED STEEL SHALL BE TESTED TO THE REQUIREMENTS OF CBC 2022 CHAPTER 17A. THE FIELD SPECIAL INSPECTION SHALL INCLUDE COMPRESSION CYLINDER TESTS FOR THE CONCRETE FOUNDATION.
- STRUCTURE SHALL BE IN THE LOCATION SHOWN ON THE SITE SPECIFIC DSA APPLICATION DRAWING.
- FOUNDATION DESIGN BASED ON CBC 2022, TABLE 1806A.2, SOIL CLASS 5 (ALLOWABLE FOUNDATION PRESSURE 1500 PSF)
- DESIGN PER FOLLOWING CODES: CBC 2022 (CHAPTER 35), ASCE 7-16, AISC 360-16, AISC 341-16, ACI 318-19, ASCE 55-16 & ASCE 19-16

STRUCTURAL STEEL

- FABRICATION OF THE STEEL STRUCTURES SHALL BE PERFORMED BY SHADE STRUCTURES OR AN AUTHORIZED LICENSEE. MATERIAL TESTING (OR MILL CERTIFICATES) AND INSPECTION OF WELDING SHALL BE CONDUCTED PER CBC 2022 SECTIONS 1704A, 1705A, 1705A.2, AND TABLE 1705A.2.1.
- ONLY CALIFORNIA LICENSED CONTRACTORS AUTHORIZED BY SHADE STRUCTURES SHALL INSTALL THE SHADE STRUCTURES.
- ALL WORK SHALL CONFORM TO CBC 2022 EDITION, TITLE 24, CALIFORNIA CODE OF REGULATIONS (CCR)
- ALL GALVANIZED STEEL TUBE PRODUCTS MANUFACTURED BY ALLIED TUBE & CONDUIT FOR THIS STRUCTURE SHALL BE, AND CONFORM TO ASTM A500 GRADE C, IN ITS ENTIRETY. TYPICAL MECHANICAL PROPERTIES ARE:
ROUND TUBE GRADE C 50,000 PSI YIELD STRESS MINIMUM / 62,000 PSI TENSILE STRESS MINIMUM
- ALL STRUCTURAL SHAPES SHALL BE COLD FORMED HSS ASTM A500 GRADE C, UNLESS OTHERWISE NOTED. TYPICAL MECHANICAL PROPERTIES ACHIEVED FOR HSS PRODUCTS:
SQUARE AND RECTANGULAR 50,000 PSI YIELD STRESS / 62,000 PSI TENSILE STRESS
ROUND PIPE 50,000 PSI YIELD STRESS / 62,000 PSI TENSILE STRESS
- ALL PLATES PRODUCTS SHALL COMPLY WITH ASTM A572 GRADE 50.
- STRUCTURAL STEEL SHALL BE DETAILED, FABRICATED AND ERECTED IN ACCORDANCE WITH A.I.S.C. SPECIFICATIONS.
- ALL WELDING TO CONFORM WITH AMERICAN WELDING SOCIETY STANDARDS AND SHALL BE INSPECTED BY AN AWS/CWI INSPECTOR. AWS D1.1 FOR HOT ROLLED. AWS D1.3 FOR SHEET/COLD FORMED. AWS D1.8 SEISMIC SUPPLEMENT.
- ALL FULL PENETRATION WELD SHALL BE CONTINUOUSLY INSPECTED PER AWS D1.1 & D1.8.

- SHOP CONNECTIONS SHALL BE WELDED UNLESS NOTED OTHERWISE. ALL FILLET WELDS SHALL BE A MINIMUM OF 3/16" E70T-X ELECTRODES UNLESS OTHERWISE NOTED. GMAW IS ACCEPTABLE.
- ALL STAINLESS STEEL BOLTS SHALL COMPLY WITH ASTM F-593, YIELD STRENGTH= 45 KSI, TENSILE STRENGTH= 85 KSI MINIMUM, ALLOY GROUP 2, CONDITION CW2. ALL NUTS SHALL COMPLY WITH ASTM F-594 ALLOY GROUP 2, CONDITION CW2. REFERRING TO RCSC, ASTM F-593 IS NOT CONSIDERED AS HIGH STRENGTH BOLTS. BOLTS SHALL BE TIGHTENED TO A SNUG TIGHT CONDITION (ST).
- ALL STRUCTURAL STEEL (ITEMS FROM NOTE 5) SHALL BE POWDER COATED WITH ONE SHOP COAT (2.5 MILS MIN.) OF ZINC-RICH PRIMER, UNDERCOAT, AND FINISH COAT, OR EQUIVALENT PAINT SYSTEM. THIS COAT IS A WEATHER RESISTANT POWDER COATING BASED ON POLYESTER TGIC (MANUFACTURED BY SHERWIN WILLIAMS, ASKO NOBEL, PPG OR TIGER DRYLAC). TO ACHIEVE OPTIMUM ADHESION, IT IS RECOMMENDED THAT THE PROPER TREATMENT AND DRYING TAKE PLACE BEFORE COATING. POLYESTER POWDER (TGIC) SPECIFICATIONS SHALL BE AS FOLLOWS:
- PENCIL HARDNESS (ASTM D-3363). - HUMIDITY (ASTM D-2247).
- SOLVENT RESISTANCE (PCI METHOD) - 50 DBL RUBS SL. SOFTNESS.

- ALL STEEL ROUND TUBING (ITEMS FROM NOTE 4) SHALL BE TRIPLE COATED FOR RUST PROTECTION USING THE IN-LINE ELECTROPLATING COAT PROCESS. TUBING SHALL BE INTERNALLY COATED WITH ZINC AND ORGANIC COATINGS TO PREVENT CORROSION AS MANUFACTURED BY ALLIED TUBE & CONDUIT.
- ALL EXPOSED STEEL FASTENERS SHALL BE STAINLESS STEEL (TYPE 304 MINIMUM), HOT DIP GALVANIZED (ASTM A153, CLASS D MINIMUM OR ASTM F2329) AS APPLICABLE, OR PROTECTED WITH CORROSION PREVENTIVE COATING THAT DEMONSTRATED NO MORE THAN 2% OF RED RUST IN MINIMUM 1,000 HOURS OF EXPOSURE IN SALT SPRAY TEST PER ASTM B117. ZINC-PLATED FASTENERS DO NOT COMPLY WITH THIS REQUIREMENT.

CONCRETE SPECIFICATION

- CONCRETE SHALL BE SAMPLED AND TESTED PER CBC 2022 SECTION 1903A & SHALL BE INSPECTED PER SECTION 1903A.
- CONCRETE TO BE F_c'= 4500 PSI, TYPE V CEMENT PLUS POZZOLAN OR SLAG CEMENT, MAXIMUM WATER/CEMENT RATIO OF 0.45, PER ACI 318-19 CHAPTER 19. (NO ADMIXTURES CONTAINING CALCIUM CHLORIDE WILL BE USED.) REINFORCING STEEL SHALL CONFORM TO ASTM A-615 GRADE 60 AND TO BE F_y'= 60000 PSI, MIN. GR. 60.
- ALL ANCHOR BOLTS SET IN NEW CONCRETE (WHEN APPLICABLE) SHALL COMPLY WITH ASTM F-1554 GRADE 36 (GALVANIZED PER ASTM A153, CLASS D MINIMUM OR ASTM F2329). ANCHOR BOLTS DIAMETER NEEDS TO BE AS FOLLOWS:
A) ANCHOR BOLT Ø1 1/4"

- CERTIFIED MILL TEST REPORTS ARE TO BE PROVIDED FOR EACH SHIPMENT OF REINFORCEMENT.

- ALL NON-SHRINK GROUT SHALL HAVE A MINIMUM 28 DAYS COMPRESSIVE STRENGTH OF 5000 PSI, AND SHALL COMPLY THE REQUIREMENTS OF ASTM C109, ASTM C939, ASTM C1090, ASTM C1107, WHEN APPLICABLE.

- CONCRETE EXPOSED TO FREEZING-AND-THAWING CYCLES SHALL BE AIR ENTRAINED PER ACI 318 SECTION 19.3.3.

FABRIC SPECIFICATION

- FABRIC SHALL BE MANUFACTURED BY MULTIKNIT LTD., WHICH MEETS THE SPECIFICATIONS LISTED ON PAGE 2000, AND SHALL BE FABRICATED FROM POLYETHYLENE MATERIALS. MINIMUM SEAM LENGTH 3/4".

- THE FABRIC SHALL RETAIN 80% OF ITS TENSILE AND TEARING STRENGTH AFTER ULTRAVIOLET EXPOSURE PER ASTM G53 USING A 313 NM LIGHT SOURCE FOR 500 HOURS WHILE MOISTENED FOR 1 HOUR EVERY 12 HOURS.

- PROVIDE CERTIFICATION BY MANUFACTURER AND STATE FIRE MARSHAL TO SCHOOL'S DISTRICT INSPECTOR OF RECORD AT SITE SPECIFIC INSTALLATION. COPY OF FIRE CERTIFICATION SHALL BE SENT TO DSA.

- FABRIC SHALL REQUIRE ANNUAL INSPECTION AND MAINTENANCE BY THE DISTRICT. FIRE TEST ON FABRIC, NFPA 701 TEST 2 AND ASTM E 84 EXTENDED 30 MINUTES TEST. FLAME SPREAD INDEX (FSI): 10. SMOKE DEVELOPED INDEX (SDI): 50. FABRIC IS ACCEPTABLE FOR USE IN WILDLIFE URBAN INTERFACE AREA.

- FABRIC TOP NEEDS TO BE REMOVED IF SNOW EXCEEDING 5 PSF ARE ANTICIPATED, FABRIC TOP NEEDS TO BE REMOVED IF WINDS EXCEEDING 115 MPH ARE ANTICIPATED.

- A VISUAL INSPECTION LOOKING FOR TEAR AND ABNORMAL WEAR IN FABRIC MATERIAL AND THREAD IS REQUIRED PRIOR TO RE-INSTALLATION. USA SHADE & FABRIC STRUCTURES SHALL BE NOTIFIED IF SIGNIFICANT DAMAGE IS PRESENT BEFORE RE-INSTALLATION.

AIRCRAFT CABLE

- FOR FABRIC ATTACHMENT USE 3/8" 7x19 GALV. CABLE PER ASTM A1023/A1023M, WITH A BREAKING STRENGTH VALUE OF 14,400 LBS. CABLE SHALL BE TENSIONED TO 300 LBS MINIMUM AND 500 LBS MAXIMUM. THE MAXIMUM CALCULATED CABLE ALLOWABLE CAPACITY IS S_{ac}=4909 LB

- CABLES SHALL BE FED THROUGH THE FABRIC SLEEVES AROUND THE PERIMETER OF THE CANOPY AND TENSIONED UNTIL THE FABRIC PANELS (DESIGNED PURPOSELY UNDERSIZED) REACH A TAUT APPEARANCE. ANY LONG TERM CABLE SAG SHALL BE MINIMIZED DURING THE MAINTENANCE RE-TIGHTING VISITS AS REQUIRED.

MAXIMUM OCCUPANT LOAD (PER CBC 2022 TABLE 1604A.5)	
-K-12:	250 PERSONS
-PUBLIC ASSEMBLY:	300 PERSONS
-EDUCATIONAL OCCUPANCIES ABOVE 12TH GRADE:	500 PERSONS

CBC PC DESIGN NOTES

BUILDING CODE	CBC 2022 (BASED ON IBC 2021)
FLOOR LIVE LOAD	N/A
ROOF LIVE LOAD	5 PSF
ALLOWABLE SOIL PRESSURE:	
DL + LL (CONC FTG)	1500 PSF
DL + LL + SEISMIC (CONC FTG)	1500 PSF
LATERAL BEARING DESIGN VALUE	100 PSF/FT BELOW NATURAL GRADE, PER TABLE 1806A.2
TWO TIMES THE TABULAR VALUE IS USED (200 PSF/FT)	
PER CBC SECTION 1806A.3.4	
ALLOWABLE PIER FRICTIONAL RESISTANCE 250 PSF MAXIMUM	
BASED ON SECTION 1810A.3.3.1.4 (ONE-SIXTH OF THE BEARING VALUE).	
UPLIFT FRICTIONAL RESISTANCE HAVE A SAFETY FACTOR OF 3.	

ROOF SNOW LOAD	5 PSF
ICE LOAD	ZERO PSF
FLOOD HAZARD AREA	ZONE X
WHEN A SITE SPECIFIC PROJECT IS LOCATED IN A FLOOD ZONE OTHER THAN ZONE X, A LETTER STAMPED AND SIGNED FROM A SOILS ENGINEER IS NEEDED TO VALIDATE THE ALLOWED SOIL VALUES SPECIFIED IN THE PC ARE STILL APPLICABLE.	

WIND DESIGN DIRECTIONAL PROCEDURE:	ASCE 7-16, SECTION 27.3.2
NOTE: WIND DESIGN IS LIMITED TO UNOBSTRUCTED CLEAR FLOW CONDITION	
BASIC DESIGN WIND SPEED (3 SEC GUST)	V = 115 MPH
-ASD WIND LOAD (CBC 2022 SEC. 1603A.1.4)	V _{ASD} = 90 MPH
-WIND EXPOSURE FACTOR	C = 0.85
-TOPOGRAPHIC FACTOR	K _{zt} = 1
RISK CATEGORY	II
-VELOCITY PRESSURE EXPOSURE COEFFICIENT	K _z = 0.89
-VELOCITY PRESSURE	q _z = 25.61 PSF

SEISMIC DESIGN:	
-SITE CLASS	D
NOTE: UNLESS A SITE-SPECIFIC GROUND MOTION HAZARD ANALYSIS IS PERFORMED, THE SMI VALUE INCREASED BY 50% SHALL BE LESS THAN THE DESIGN CRITERIA STATED HEREIN.	
DESIGN BASE SHEAR AT BASE	V = 3.00g
-SPECTRAL RESPONSE COEFFICIENTS	S ₁ = 1.389g
	S _{D1} = 1.59
-LATERAL FORCE RESISTING SYSTEM G.2 ORDINARY CANTILEVERED COLUMN SYSTEM.	

-SEISMIC IMPORTANCE FACTOR	I _e = 1.0
-DESIGN BASE SHEAR AT BASE	V = 5512 LB
-SEISMIC RESPONSE COEFFICIENTS	C _s = 1.6
-RESPONSE MODIFICATION FACTOR	R = 1.25
-ANALYSIS PROCEDURE	EQUIVALENT LATERAL FORCE
RISK CATEGORY	II
SEISMIC DESIGN CATEGORY	E
-SITE COEFFICIENT CATEGORY	F _a = 1.2
	F _v = 1.5
REDUNDANCY FACTOR	ρ = 1.3

ARCHITECT OF RECORD TO DETERMINE IF SPECIFIC SITE IS IN GEOLOGIC HAZARD ZONE. GEOHAZARD REPORT REQUIREMENTS PER DSA IR A-4.

PC OPTIONS SHALL NOT INCLUDE LIQUEFIABLE SOIL (EXCEPTION: OPEN FABRIC SHADE STRUCTURES 1,600 SQUARE FEET OR LESS COMPLYING WITH REQUIREMENTS OF IR A-4 SECTION 3.1.1). IF STRUCTURE IS LOCATED IN AN AREA WITH LIQUEFIABLE SOIL OR SITE CLASS F, OVER-THE-COUNTER SUBMITTAL IS NOT ALLOWED AND REGULAR PROJECT SUBMITTAL IS REQUIRED. IF SITE IS NOT IN A MAPPED LIQUEFACTION HAZARD ZONE, IT MAY BE PRESUMED THAT NO LIQUEFACTION HAZARD EXISTS ON THAT SITE UNLESS A SITE-SPECIFIC GEOTECHNICAL REPORT IDENTIFIES SUCH HAZARD.

GEOHAZARD REPORT IS NOT REQUIRED FOR OPEN FABRIC STRUCTURES 1,600 SQ FT OR LESS COMPLYING WITH THE REQUIREMENTS OF IR A-4 SECTION 3.1.1. OPEN FABRIC SHADE STRUCTURES GREATER THAN 1,600 SQUARE FEET UP TO A MAXIMUM OF 4,000 SQUARE FEET AND COMPLYING WITH THE REQUIREMENTS NOTED IN IR A-4 SECTION 3.1.1 DO NOT REQUIRE A GEOHAZARD REPORT PROVIDED A GEOTECHNICAL REPORT INDICATES THAT NO LIQUEFACTION POTENTIAL EXISTS.

MINIMUM FOUNDATION SETBACK LIMIT IN ADJACENT SLOPE: THE DEPTH OF REQUIRED PIER EMBEDMENT SHALL START FROM AN ELEVATION THAT CORRESPONDS WITH A HORIZONTAL CLEAR DISTANCE OF 17'-6" FEET THAT INTERSECT WITH THE SLOPE (DAYLIGHTING). IF SETBACK LIMITS ARE SMALLER THAN CBC REQUIRES, A SITE-SPECIFIC SOILS REPORT IS REQUIRED.

ARCHITECT OF RECORD TO DETERMINE IF SPECIFIC SITE IS IN GEOLOGIC HAZARD ZONE. GEOHAZARD REPORT REQUIREMENTS PER DSA IR A-4.

PC OPTIONS SHALL NOT INCLUDE LIQUEFIABLE SOIL (EXCEPTION: OPEN FABRIC SHADE STRUCTURES 1,600 SQUARE FEET OR LESS COMPLYING WITH REQUIREMENTS OF IR A-4 SECTION 3.1.1). IF STRUCTURE IS LOCATED IN AN AREA WITH LIQUEFIABLE SOIL OR SITE CLASS F, OVER-THE-COUNTER SUBMITTAL IS NOT ALLOWED AND REGULAR PROJECT SUBMITTAL IS REQUIRED. IF SITE IS NOT IN A MAPPED LIQUEFACTION HAZARD ZONE, IT MAY BE PRESUMED THAT NO LIQUEFACTION HAZARD EXISTS ON THAT SITE UNLESS A SITE-SPECIFIC GEOTECHNICAL REPORT IDENTIFIES SUCH HAZARD.

MINIMUM FOUNDATION SETBACK LIMIT IN ADJACENT SLOPE: THE DEPTH OF REQUIRED PIER EMBEDMENT SHALL START FROM AN ELEVATION THAT CORRESPONDS WITH A HORIZONTAL CLEAR DISTANCE OF 17'-6" FEET THAT INTERSECT WITH THE SLOPE (DAYLIGHTING). IF SETBACK LIMITS ARE SMALLER THAN CBC REQUIRES, A SITE-SPECIFIC SOILS REPORT IS REQUIRED.

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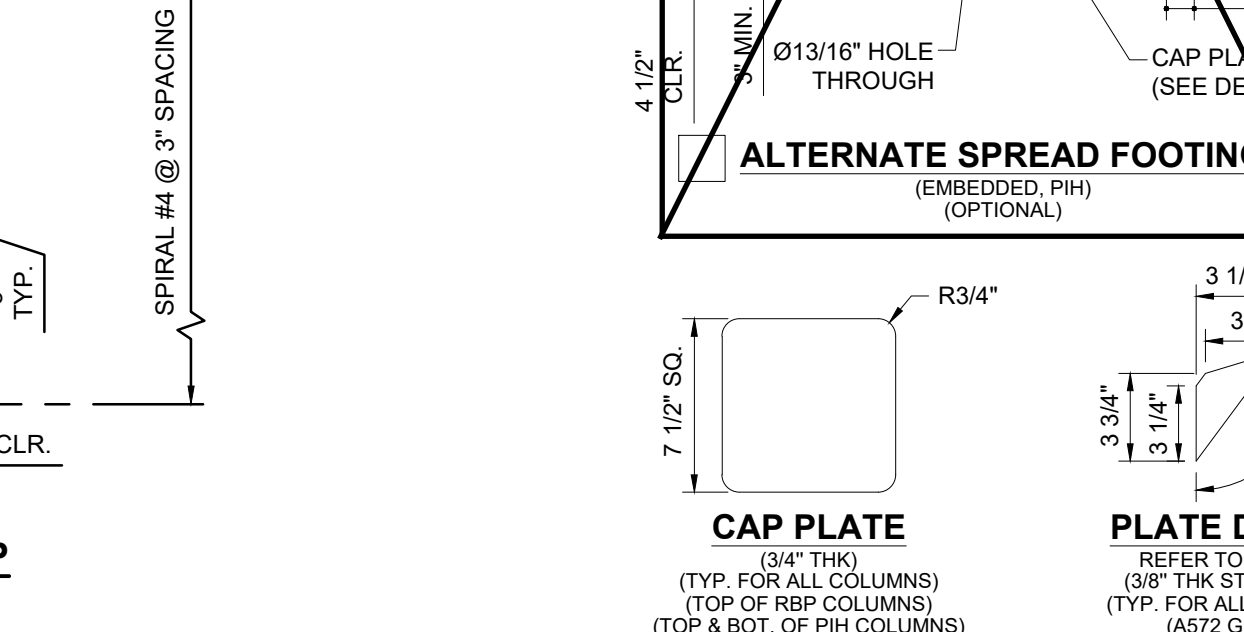
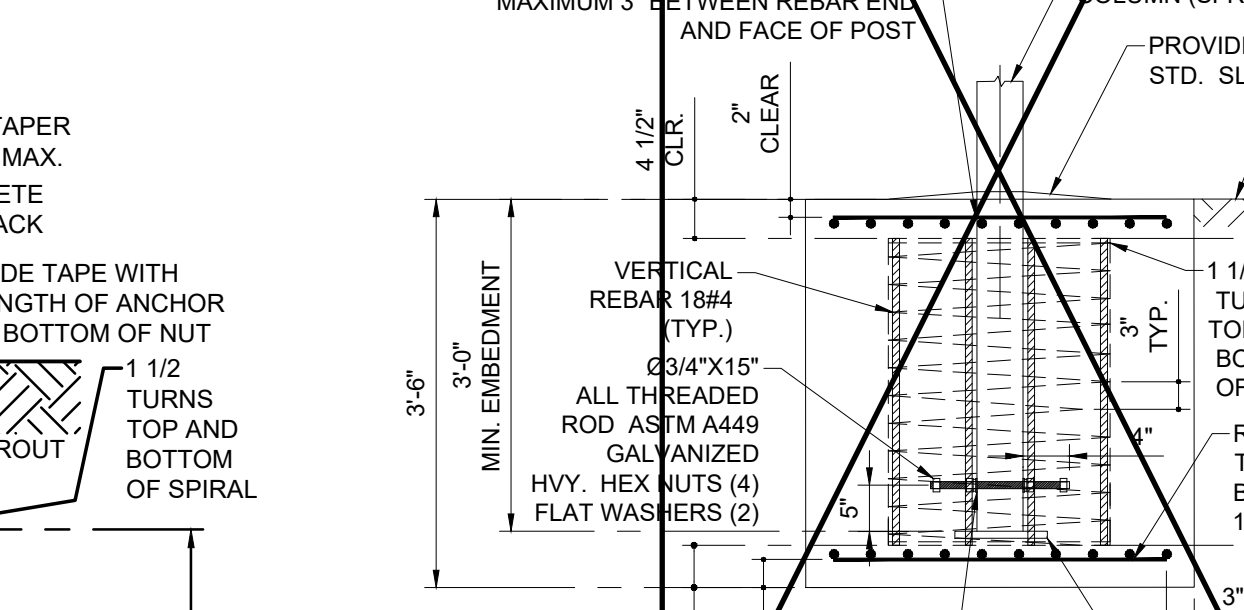
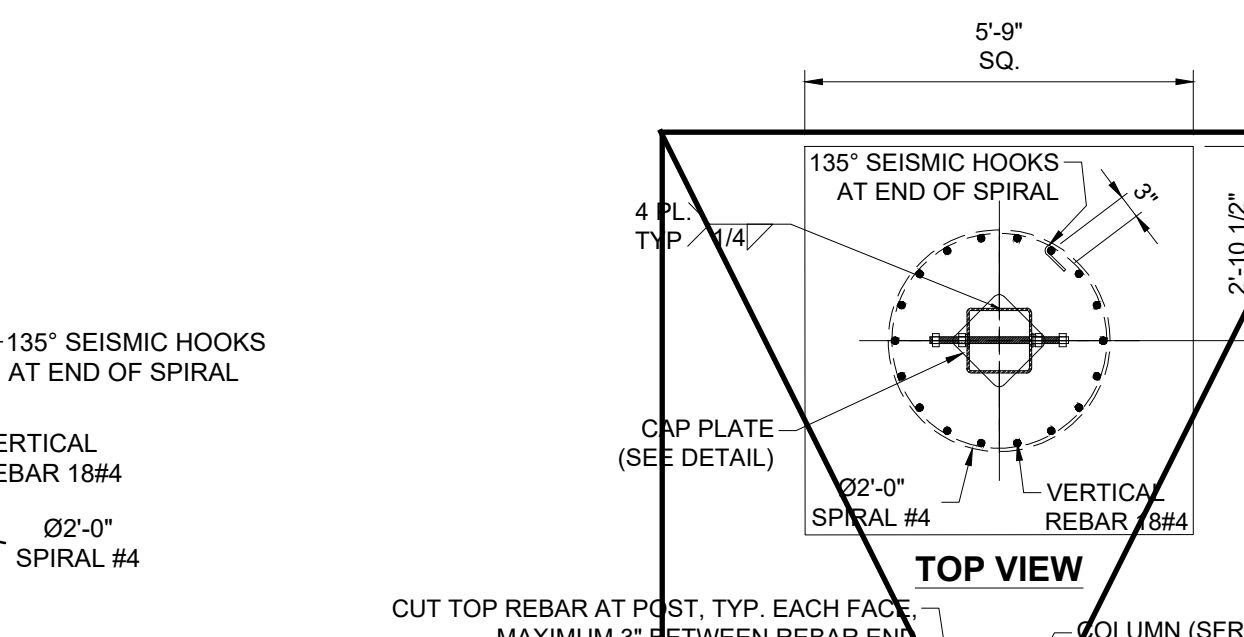
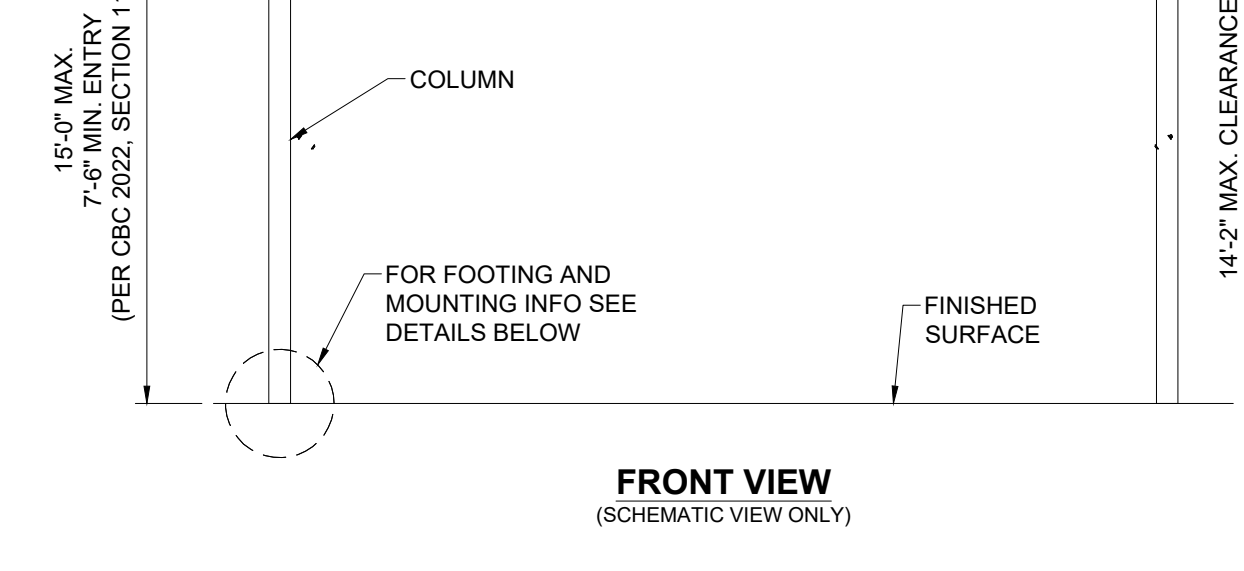
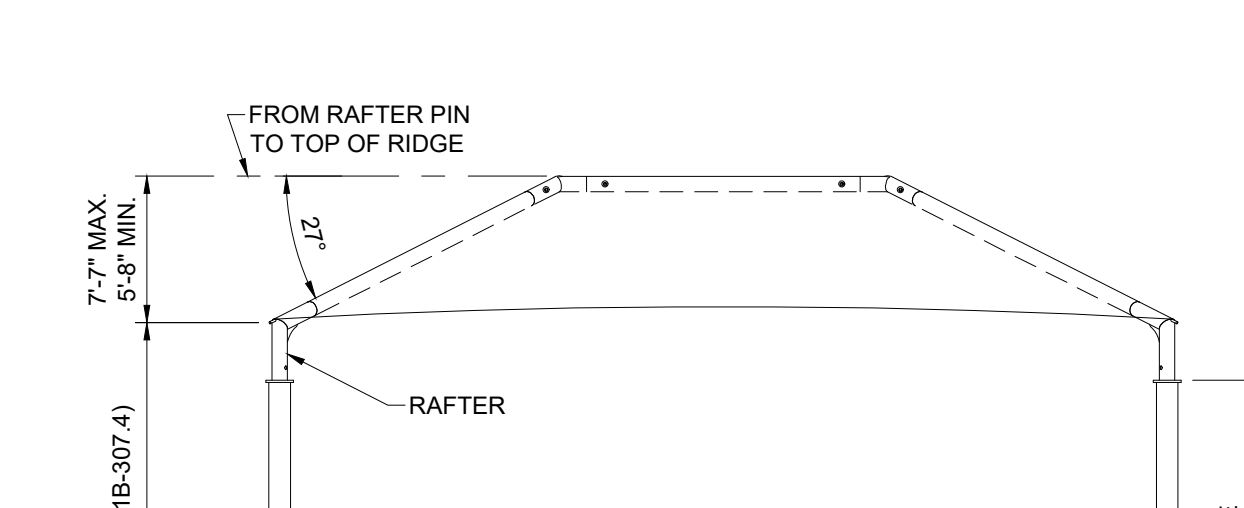
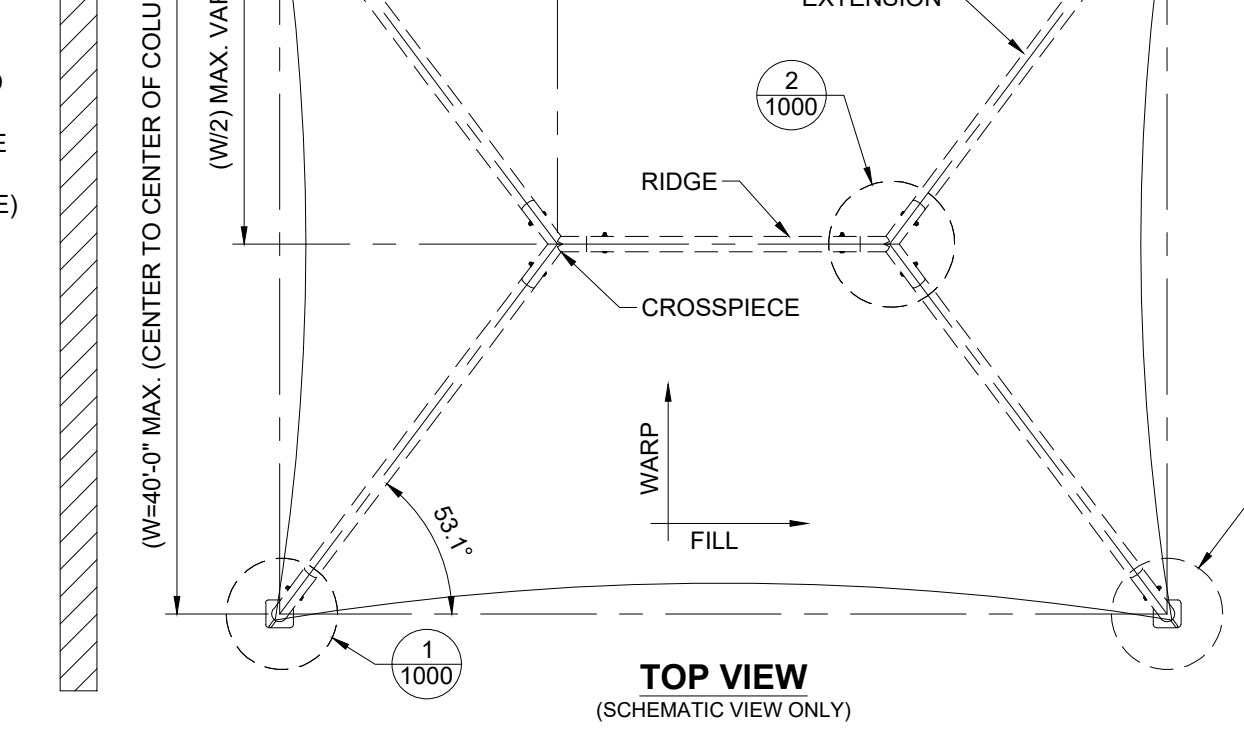
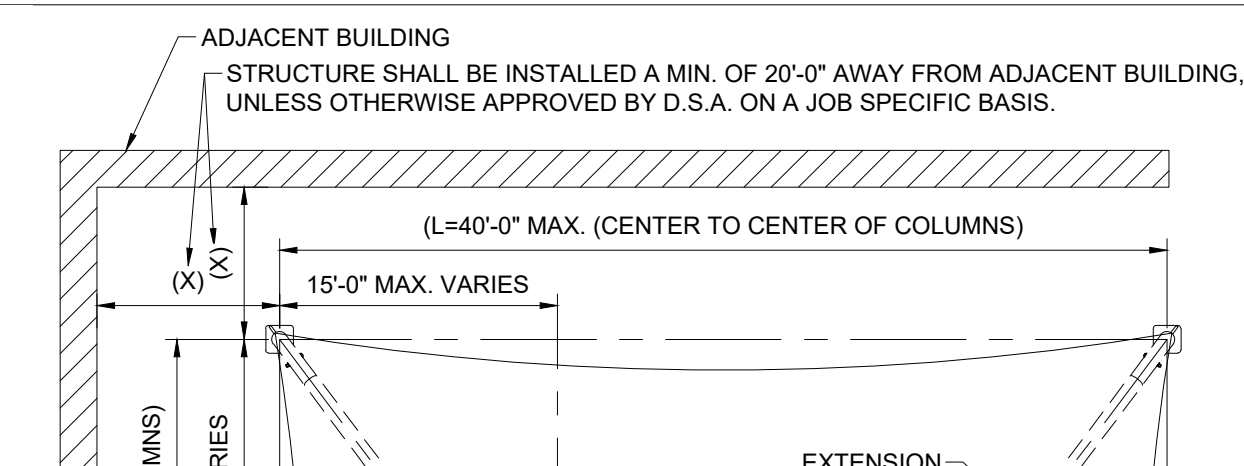
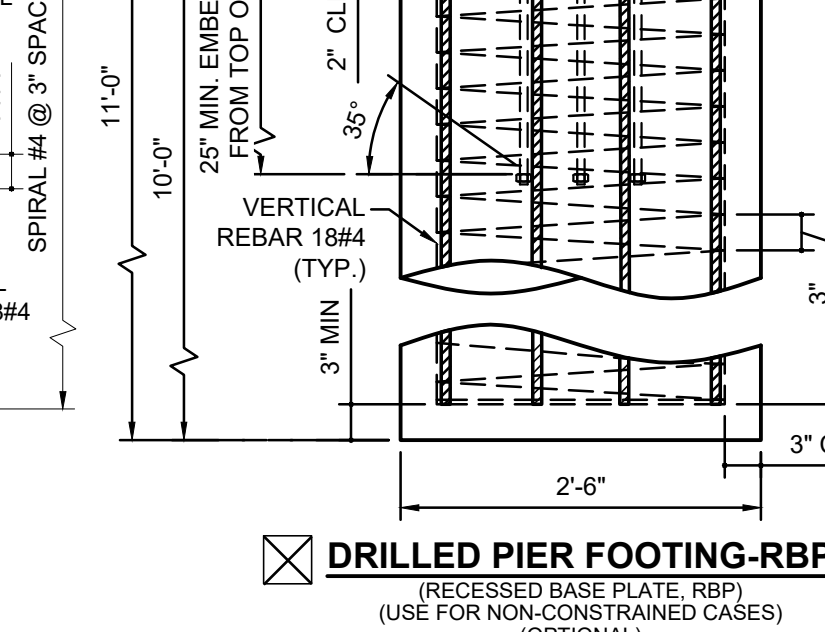
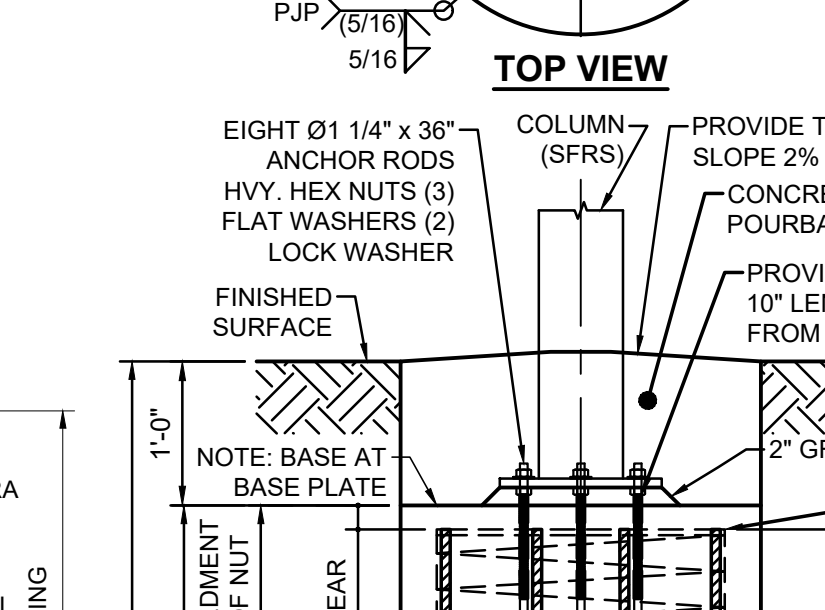
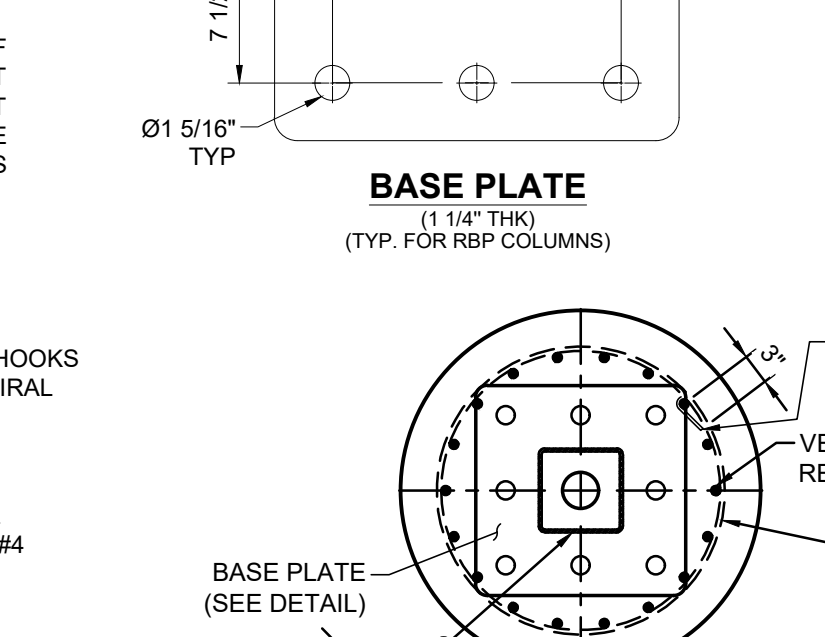
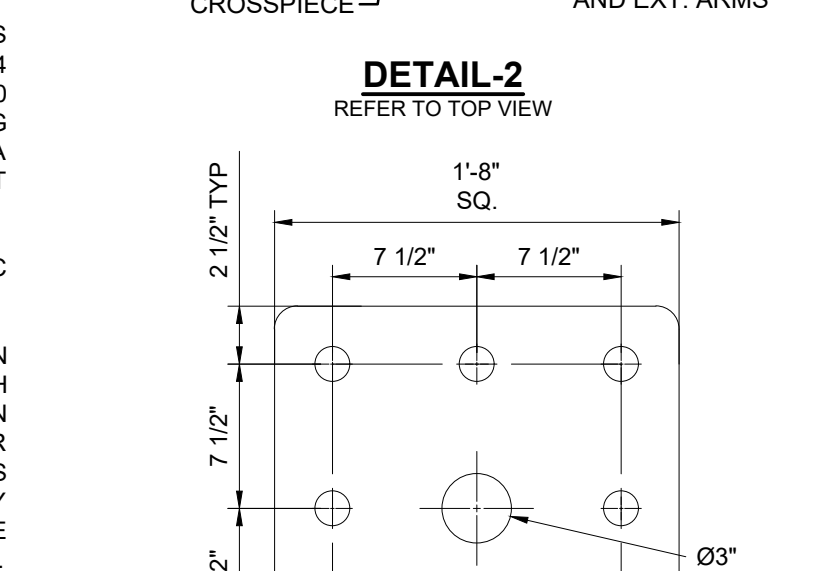
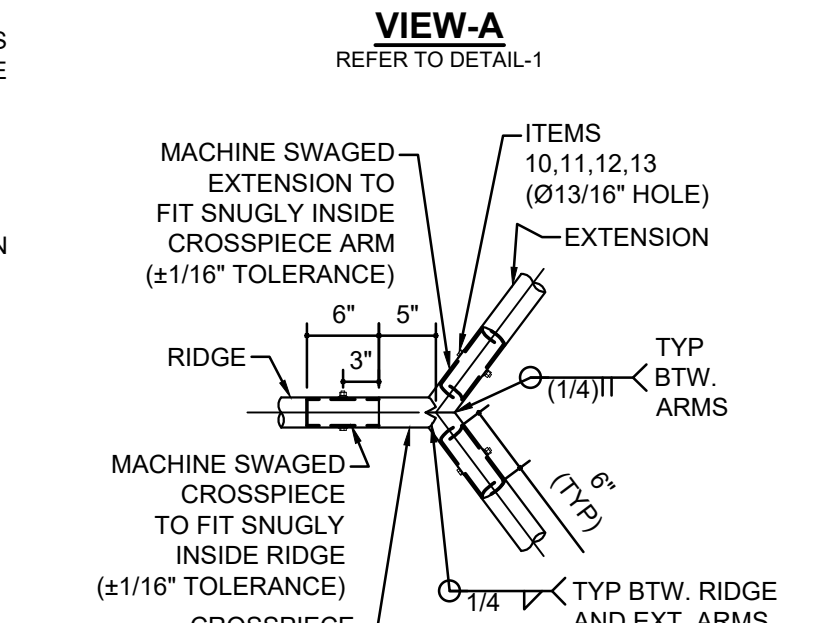
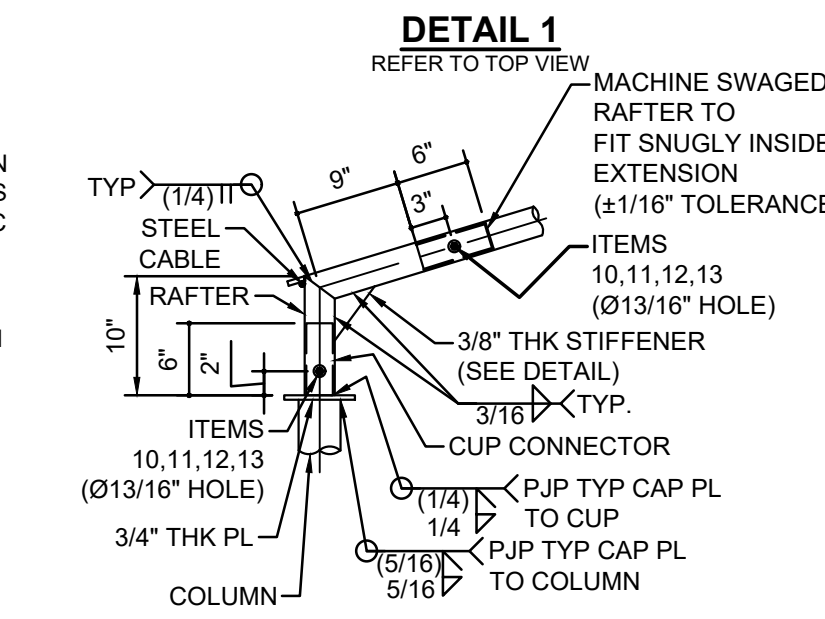
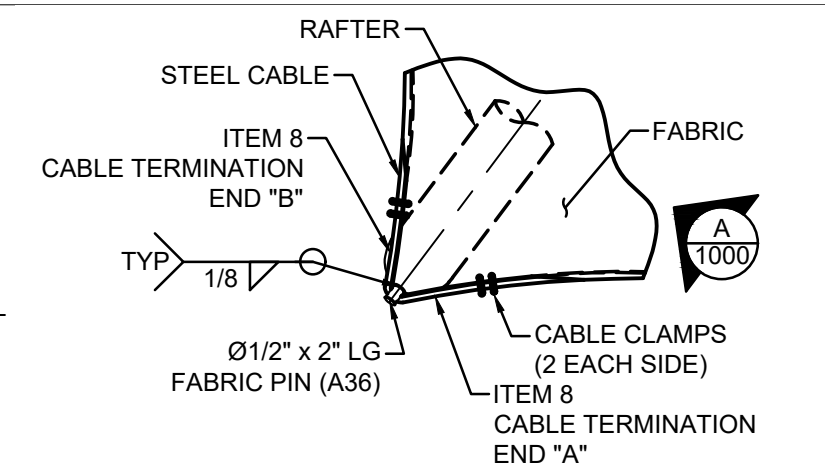
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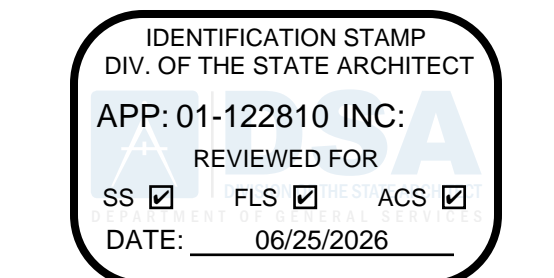
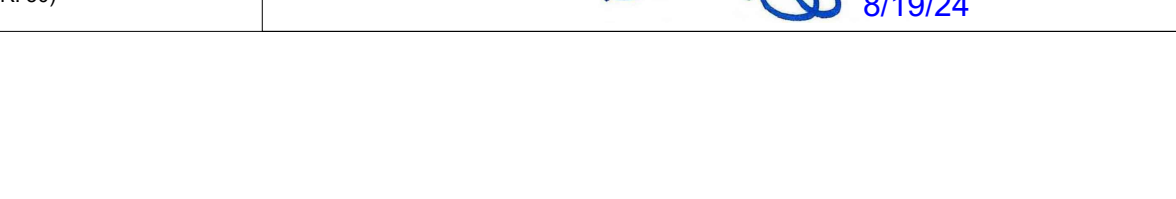
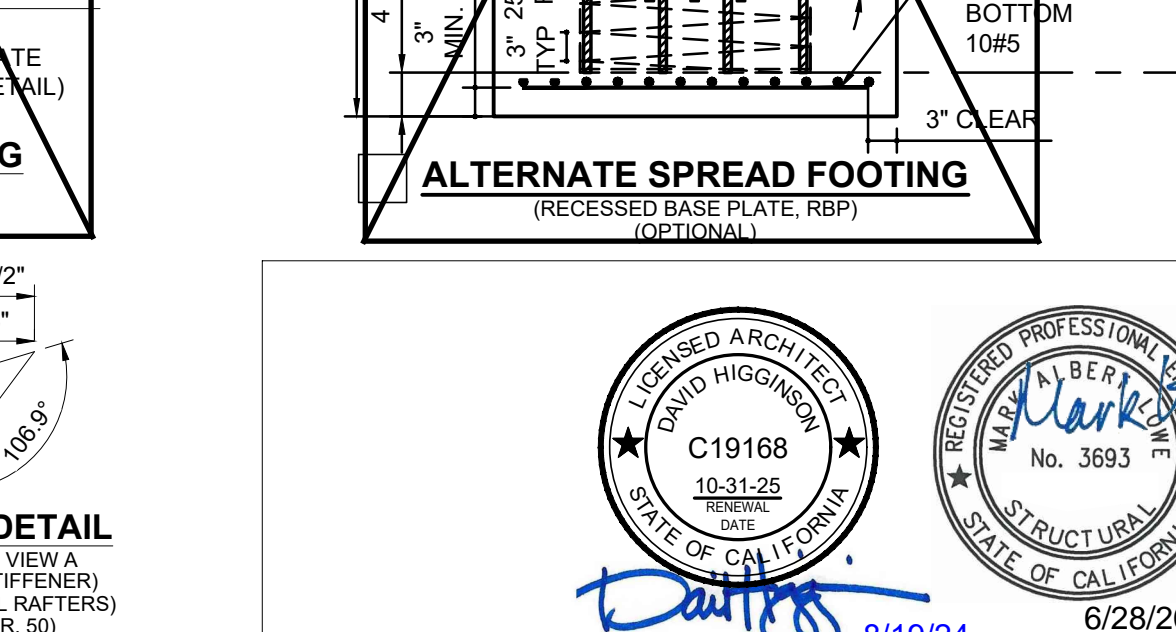
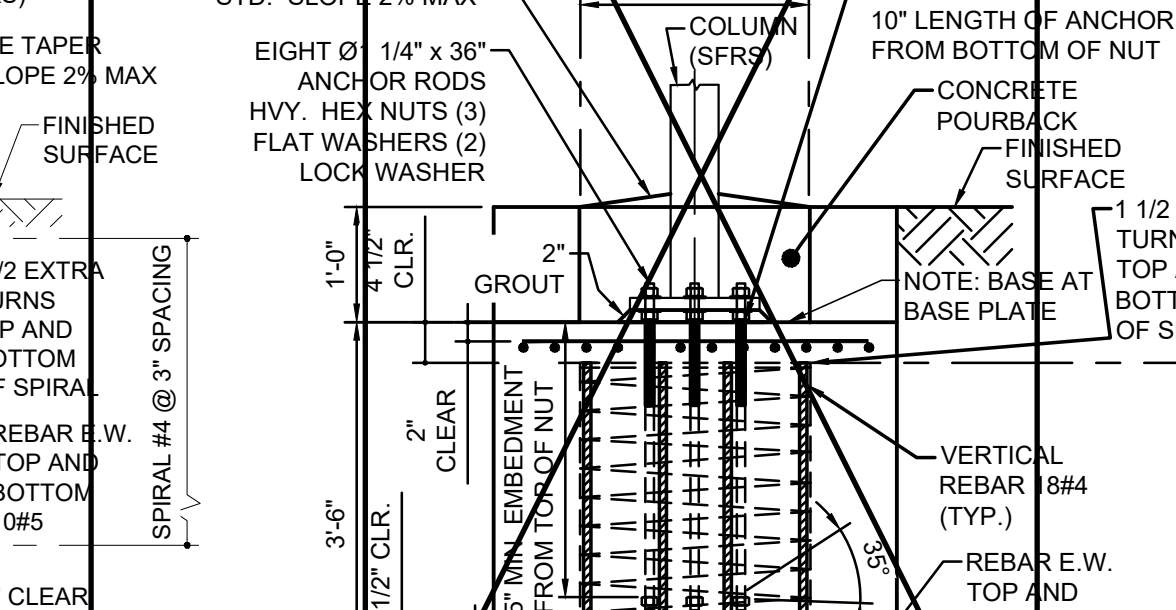
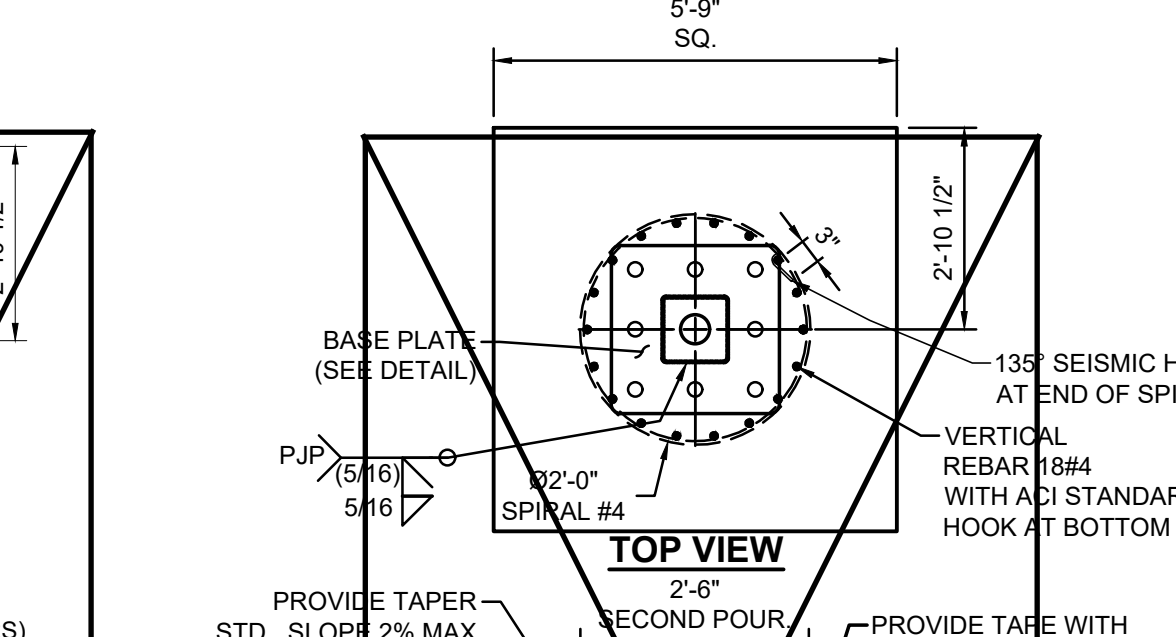
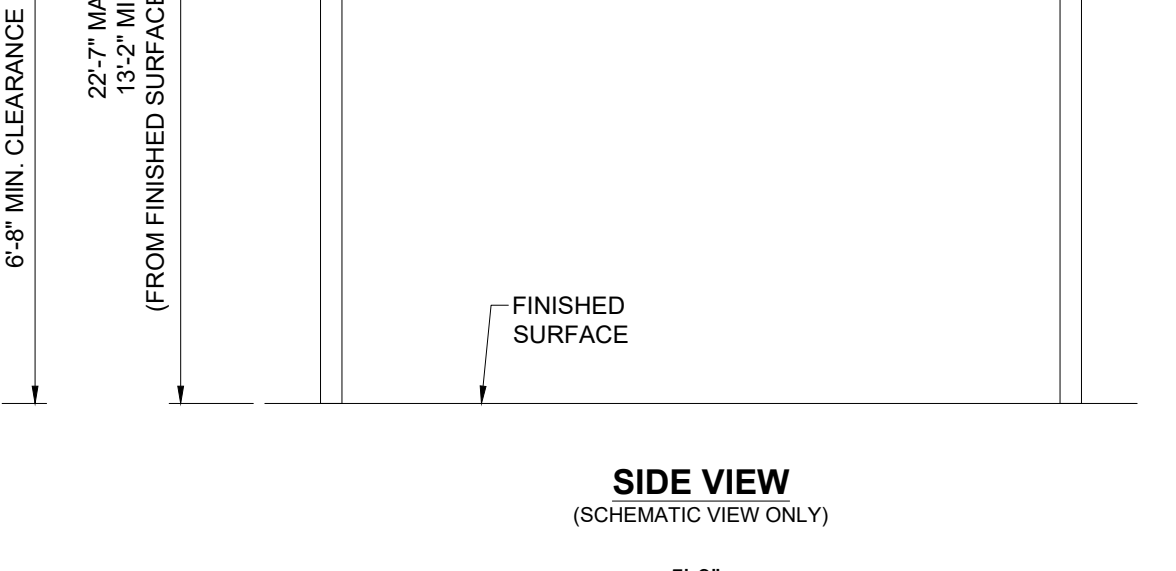
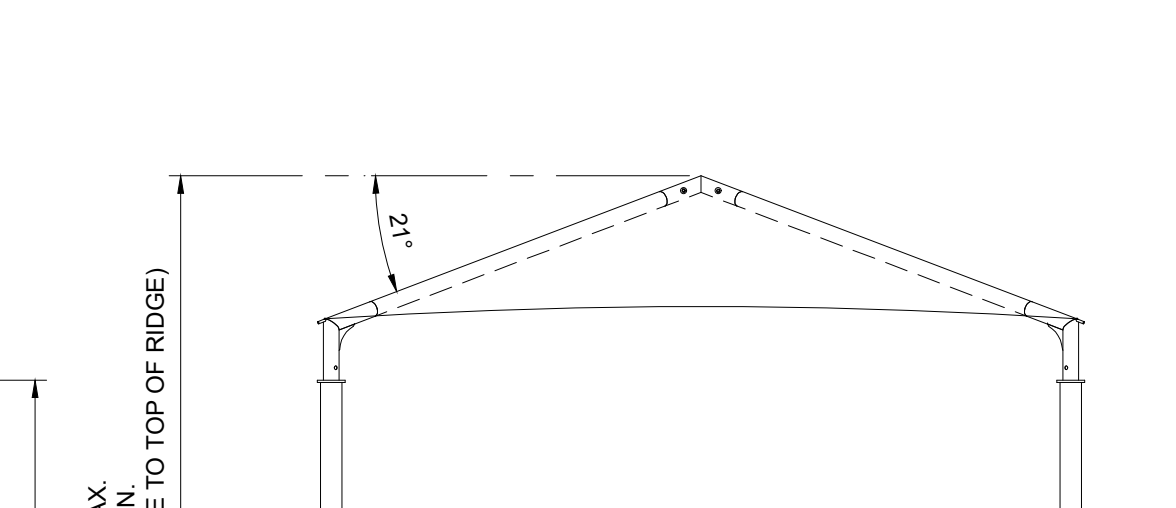
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LIST OF MATERIALS			
ITEM	QTY	DESCRIPTION	MATERIAL
1	4	COLUMN	HSS 7.0 x 7.0 x 0.375
2	4	CUP CONNECTOR (6" LG)	HSS 5.0 x 0.375
3	4	RAFTER	HSS 5.563 x 0.258
4	4	EXTENSION	HSS 5.563 x 0.258
5	2	CROSSPIECE	HSS 5.563 x 0.258
6	1	RIDGE	HSS 5.563 x 0.258
7	1	FABRIC TOP	FR COLOURSHADE 190/F5
8	1	Ø3/8" CABLE	GALVANIZED STEEL
9	4	Ø3/8" CABLE CLAMP	GALVANIZED STEEL
10	14	Ø3/4"-10NC x 7" HEX BOLT (ST)	316 SS
11	14	Ø3/4"-10NC HEX NUT	316 SS
12	14	Ø3/4" SPLIT LOCK WASHER	316 SS
13	28	Ø3/4" FLAT WASHER	316 SS

THE MINIMUM CLEARANCE REQUIRED BETWEEN DRILLED PIERS WHEN PLACING MULTIPLE OPEN FABRIC SHADE STRUCTURES ADJACENT TO EACH OTHER, FROM CENTER TO CENTER, IS THREE TIMES THE LEAST HORIZONTAL DIMENSION OF THE PIER PER CBC 2022 SEC. 1810A.2.5.



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CORPORATE HEADQUARTERS
2580 ESTERS BLVD. SUITE 100
DFW AIRPORT, TX, 75261
800-966-5005

CERTIFICATIONS:
IAS CERTIFICATION No: FA-428
CLARK COUNTY MANUFACTURER CERTIFICATION NUMBER (NEVADA): 355

CUSTOMER:
Liberty Union High School District

PROJECT NAME:
La Paloma High School

LOCATION:
400 Chigger Drive
Brentwood, CA 94513

MODEL NUMBER:
DSA4014040-22

STRUCTURE TYPE:
H I P
DSA
MAXIMUM
40' x 40' x 15'e MAX.

SCALE: NONE

DRAWING SIZE:
D

PRE-CHECK (PC) DOCUMENT
Code: 2022 CBC
A separate project application for construction is required.

Eng. By: HH 12/01/22

Design By: OS 12/01/22

Approved By: MB 12/01/22

DRAWING DESCRIPTION:
PRODUCT INFORMATION

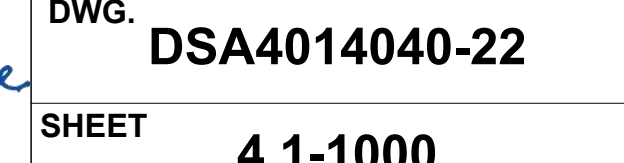
DWG. DSA4014040-22

SHEET 4.1-1000

REV. NC

DATE: 8/19/24

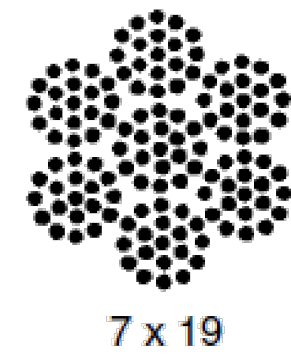
DATE: 6/28/2024



Aircraft Cable

Preformed, made in accordance with commercial specifications military and federal specification rope available.

Carbon Steel (Aircraft Cable) - Galvanized cable has the highest strength and greatest fatigue life of the materials offered. It has good to fair corrosion resistance in rural to industrial atmosphere environments. This material is most widely used for small diameter cables. Tin over galvanized cable offers greater corrosion resistance and reduced friction over pulleys.



7 x 19		Galvanized Min. Breaking Strengths (lbs)
Dia. (In)	Approx. Wt 1000 Ft/lbs	
3/32	17.	1,000
1/8	29.	2,000
5/32	45.	2,800
3/16	65.	4,200
7/32	86.	5,600
1/4	110.	7,000
9/32	139.	8,000
5/16	173.	9,800
3/8	243.	14,400



190/F5 Fire rated specifications

Standard range

Revision 0 28-Oct-12

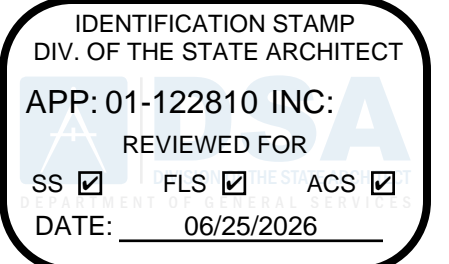
Colour	Shade %	UV Block %	Average GSM	Average Warp break strength kgs	Average Elongation %	Average Weft break strength kgs	Average Elongation %	Average Burst Kpa	Average Burst to Mass ratio	
Desert Sand	80	92	185	50	40	72	73	156	0.84	
Blue	80	85	185	50	40	72	73	156	0.84	
Brown	85		185	50	40	72	73	156	0.84	
Green	80	85	185	50	40	72	73	156	0.84	
Red	80	86	185	50	40	72	73	156	0.84	
Silver	80	81	185	50	40	72	73	156	0.84	
Terracotta	75	82	185	50	40	72	73	156	0.84	
Yellow	80	89	185	50	40	72	73	156	0.84	
			110 LB				159 LB	3258 PSF		

CONVERSION TO IMPERIAL UNITS:
 185 GSM = .0378 psf
 50 KGS = 110 Lb
 72 KGS = 159 Lb
 156 Kpa = 3258 psf

Notes: - 190/F5 conforms to The California State Fire Marshal Title 19 Test for Small scale Fabrics
 - Tear tests are done using a 50mm wide strip and a cross head speed of 500mm/min
 - This report has been compiled using the mean results from all tests conducted on the given sample by our Quality Control Laboratory, the information provided is considered to be a good reflection of the relevant properties of the fabric tested. These results must only be used as an indication of the quality and characteristics of the fabric tested.
 - Company cannot be held responsible or liable in any way whatsoever should this information differ to that of a registered testing institution.

Deon Joubert
 Deon Joubert
 General Manager - Multiknit (Pty) Ltd

Tommy Rogers
 Tommy Rogers
 Managing Director - Multiknit (Pty) Ltd



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 DFW AIRPORT, TX, 75261
 800-966-5005

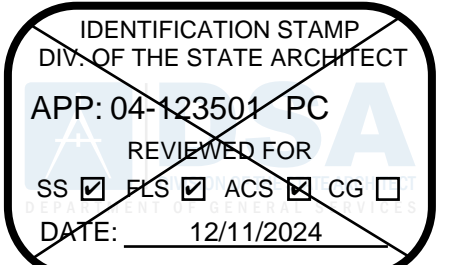
CERTIFICATIONS:
 IAS CERTIFICATION No: FA-428
 CLARK COUNTY MANUFACTURER CERTIFICATION NUMBER (NEVADA): 355

CUSTOMER:

PROJECT NAME:

LOCATION:

MODEL NUMBER:
DSA4014040-22



FLAME RETARDANT

Fabric Registration

LICENSE NUMBER: F-052001

COLOURSHADE 190/F5

Product Marketed by:

MULTIKNIT (PTY) LTD
 BOX 798 WHITE RIVER 1240
 MPUMALANGA SOUTH AFRICA, .

Issue Date : 05/19/2025
 Expiration Date : 06/30/2026

This product meets the minimum requirements of flame resistance established by the California State Fire Marshal for products identified in Section 13115, California Health and Safety Code. The scope of the approved use of this product is provided in the current edition of the CALIFORNIA APPROVED LIST OF FLAME RETARDANT CHEMICALS AND FABRICS, GENERAL AND LIMITED APPLICATIONS CONCERNS published by the California State Fire Marshal.

C Walker

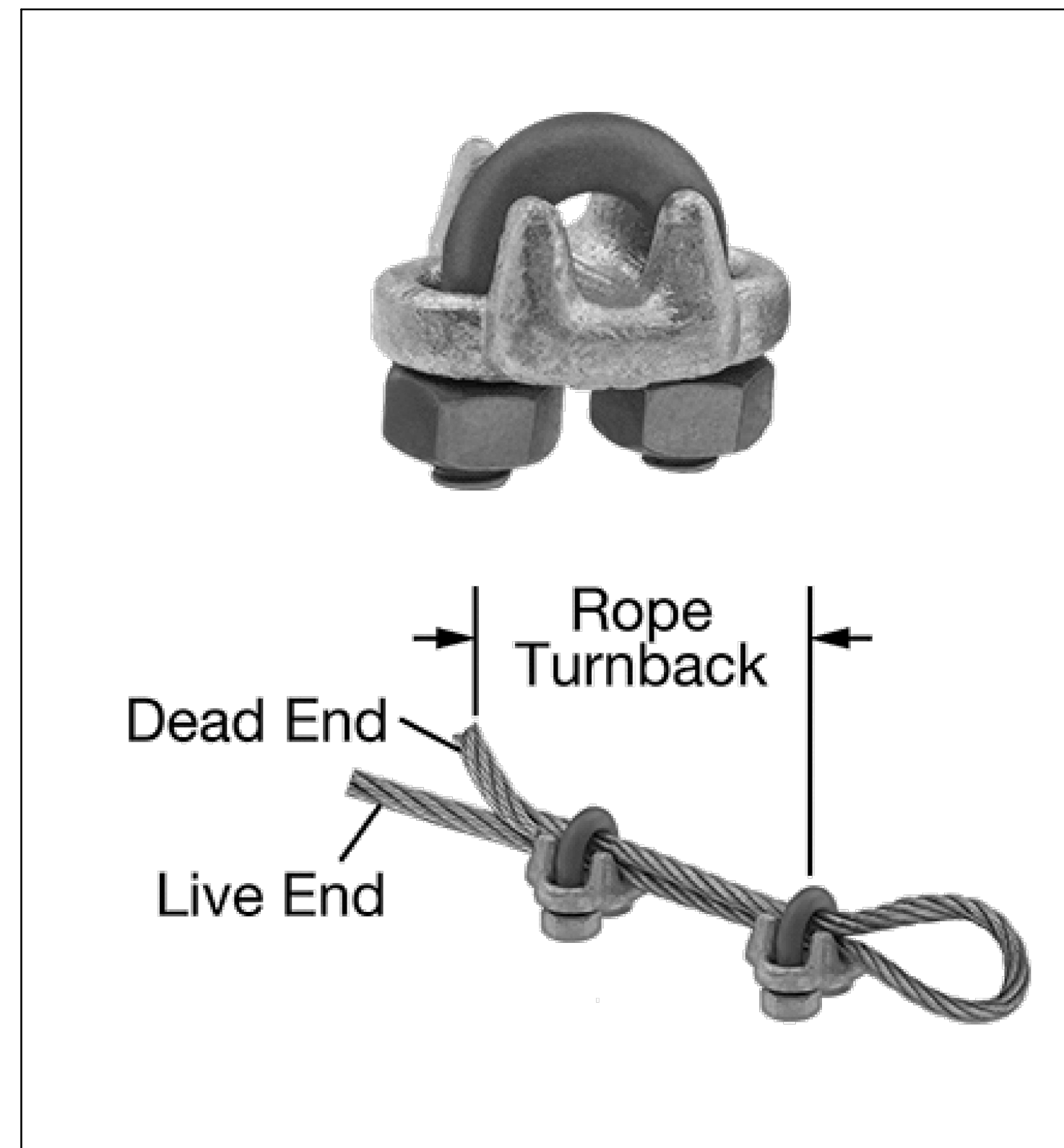
Issued By Cortney Walker
 Fire Engineering License Manager
 Fire Engineering & Investigations Division

Patricia Setter

Reviewed and Approved By Patricia Setter
 Program Coordinator
 Fire Engineering & Investigations Division

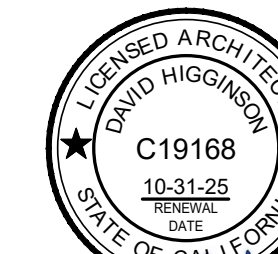
OFFICE OF THE STATE FIRE MARSHAL

Please visit uatcalfire.govmotus.org for more information on Licensing and Permitting with CAL FIRE



FORGED WIRE ROPE CLAMP

FITTING TYPE ROPE CLAMP
 FABRICATION: FORGED
 MATERIAL: GALVANIZED STEEL
 FOR WIRE ROPE DIAMETER 3/8"
 NUMBER OF CLAMPS REQUIRED: 2
 ROPE TURNBACK: 6 1/2"
 FOR WIRE ROPE CONSTRUCTION 7 x 19
 ATTACHMENT TYPE: LOOP
 CLAMP WIDTH 2", HEIGHT 1 15/16", THICKNESS 1 11/16"
 REQUIRED INSTALLATION TOOL TORQUE WRENCH
 REQUIRED TORQUE 45 FT.-LBS.
 CAPACITY 80% OF THE ROPE'S CAPACITY
 SPECIFICATIONS MET ASME B30.26, FED. SPEC. FF-C-450



8/19/24 6/28/2024

STRUCTURE TYPE:

H I P
 DSA
 SIZE: MAXIMUM
 40' x 40' x 15'e MAX.

SCALE : NONE

DRAWING SIZE: D

PRE-CHECK (PC) DOCUMENT
 Code : 2022 CBC
 A separate project application for construction is required.

Eng. By : HH	12/01/222
Design By : OS	12/01/222
Approved By : MB	12/01/222

DRAWING DESCRIPTION:
SPECIFICATIONS

DWG. **DSA4014040-22**

SHEET **4.2-2000**

REV. **NC**