

ABV	ABOVE	LTVT	LIGHT WEIGHT
AFF	ABOVE FINISH FLOOR	L	LONGLENGTH
ACC	ACCESSIBLE	LV	LOUVER VENT
ACOUS	ACOUSTICAL	MB	MACHINE BOLT
ADJ	ADJUSTABLE	MH	MAN HOLE
AC	AIR CONDITIONING	MAN	MANUFACTURER
ALT	ALTERNATE	MAS	MASONRY
ALUM	ALUMINUM	MAX	MAXIMUM
AB	ANCHOR BOLT	MECH	MECHANICAL
ANOD	ANODIZED	METAL	METAL
ARCH	ARCHITECT(URAL)	MIN	MINIMUM
AC	ASPHALT CONCRETE	MISC	MISCELLANEOUS
APL	ASSUMED PROPERTY LINE	MTD	MOUNTED
AUTO	AUTOMATIC	(N)	NEW
BM	BEAM	NRC	NOISE REDUCTION COEFF.
BET	BETWEEN	NOM	NOMINAL
BLK	BLOCK	N	NORTH
BLKG	BLOCKING	NIC	NOT IN CONTRACT
BD	BOARD	NTS	NOT TO SCALE
BOT	BOTTOM	NO#	NUMBER
BOB	BOTTOM OF BEAM	OC	ON CENTER
BLDG	BUILDING	OPNG	OPENING
CIP	CAST IN PLACE	OD	OUTSIDE DIAMETER
CB	CATCH BASIN	OI	OVER
CLKG	CAULKING	OFOI	OWNER FURNISHED OWNER INSTALLED
CLG	CEILING	OFCI	OWNER FURNISHED CONTRACTOR INSTALLED
CJ	CEILING JOIST / CONTROL JOINT	PAIR	PAIR
CEM	CEMENT	PTD	PAPER TOWEL DISPENSER
CL	CHAIN LINK	FENNY	FENNY
CO	CLEAN OUT	d	PERFORATED
CLR	CLEAR(ANCE)	PERF	PERFORATED
COL	COLUMN	PLYWD	PLYWOOD
COIB	COMBINATION CONCRETE	PT	POINT
CONC	CONCRETE	POC	POINT OF CONNECTION
CMU	CONCRETE MASONRY UNIT	PVC	POLYVINYL CHLORIDE
CONST	CONSTRUCTION	PSI	POUNDS PER SQ. INCH
CONT	CONTINUOUS	PSF	POUNDS PER SQ. FT.
CTSK	COUNTER SINK	PSFAB	PREFABRICATED
CP	DEEP	P.T.	PRESSURE TREATED
D	DEEP (DEPTH)	PTDF	PRESSURE TREATED DOUG. FIR
DEPT	DEPARTMENT	PROJ	PROJECT
DTL	DETAIL	P.L.	PROPERTY LINE
DIAG	DIAGONAL	RAD	RADIUS
DIA	DIAMETER	REF	REFERENCE
DM	DIMENSION	REFL	REFLECTED
DISP	DISPENSER	REFR	REFRIGERATOR
DR	DOOR	REINF	REINFORCE(ING)
DBL	DOUBLE	REQ	REQUIRED
DF	DOUGLAS FIR	RA	RETURN AIR
DN	DOWN	REV	REVISION(S)REVISED
DS	DOWN SPOUT	ROW	RIGHT OF WAY
DWG	DRAWING	R	RISER/RADIUS
DF	DRINKING FOUNTAIN	RD	ROOF DRAIN
EA	EACH	RM	ROOM
EW	EACH WAY	RO	ROUGH OPENING
E	EAST	RB	RUBBER BASE
EWC	ELECT. WATER COOLER	SECT	SECTION
ELEC	ELECTRICAL	SHTG	SHEATHING
ELEV	ELEVATION	SHT	SHEET
EMER	EMERGENCY	SM	SHEET METAL
ENCL	ENCLOSURE	SM	SIMILAR
EQ	EQUAL	SD	SOAP DISPENSER
EXH	EXHAUST	SC	SOLID CORE
EJ	EXISTING	SC	SOUND TRANSMISSION COEFF.
EJ	EXPANSION JOINT	S	SOUTH
EXT	EXPOSED/EXPANSION	SPEC	SPECIFICATION
EXC	EXTERIOR	SO	SQUARE
FOC	FACE OF CONCRETE	SF	SQUARE FOOT
FOF	FACE OF FINISH	SS	STAINLESS STEEL
FOM	FACE OF MASONRY	STD	STANDARD
FOS	FACE OF STUD/STRUCTURE	STL	STEEL
FIN	FINISH	STOR	STORAGE
FF	FINISH FLOOR	STRUC	STRUCTURE
FA	FIRE ALARM	S4S	SURFACE FOUR SIDES
FE	FIRE EXTINGUISHER	SUSP	SUSPENDED
FEC	FIRE EXTINGUISHER CABINET	SAT	SUSPENDED ACOUSTICAL TILE
FH	FIRE HYDRANT	SYM	SYMBOL/SYMMETRICAL
FLASH	FLASHING	TB	TACKBOARD
FLR	FLOOR	TEL	TELEPHONE
FT	FOOT / FEET	TV	TELEVISION
FTG	FOOTING	THK	THICK
FDN	FOUNDATION	THRES	THRESHOLD
GA	GAGE / GAUGE	T&G	TONGUE & GROOVE
GI	GALVANIZED IRON	TOB	TOP OF BEAM
GL	GLASS / GLAZING	TOC	TOP OF CURB/CONCRETE
GALV	GALVANIZED	TOP	TOP OF PLATE/PARAPET/PAVEMENT
GLB	GLUE LAMINATED BEAM	TOS	TOP OF SHEATHING STEEL/SLAB
GB	GRAB BAR	TOW	TOP OF WALK/WALL
GND	GROUND	T	TREAD
GYP	GYPSPUM	TYP	TYPICAL
GYPBD	GYPSPUM BOARD	UNO	UNLESS NOTED OTHERWISE
HDW	HARDWARE	UR	URINAL
HDR	HEADER	VERT	VERTICAL
HVAC	HEATING/VENTILATING/AIR CONDITION	VCT	VINYL COMPOSITION TILE
HT	HEIGHT	W	WEST/WIDTHWIDE
H	HIGH	WDW	WINDOW
HC	HOLLOW CORE	WI	WITH
HM	HOLLOW METAL	WIO	WITHOUT
HSS	HOLLOW STRUCTURAL SECTION	WD	WOOD
HORIZ	HORIZONTAL	WWM	WOVEN WIRE MESH
HB	HORIZONTAL HOSE BIB	WI	WROUGHT IRON
HR	HOUR		
IN	INCH		
ID	INSIDE DIAMETER		
INSUL	INSULATION		
INT	INTERIOR		
LAB	LABORATORY		
LAM	LAMINATE(D)		
LAV	LAVATORY		
LT	LIGHT		

GENERAL NOTES

01. 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, C.C.R. 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, C.C.R. 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 REPAIR WORK. (SECTION 4-317(C), PART 1, TITLE 24, C.C.R.)

02. CHANGES TO THE APPROVED DRAWINGS AND SPECIFICATIONS SHALL BE MADE BY ADDENDA OR CONSTRUCTION CHANGE DOCUMENT (CCD) APPROVED BY THE OWNER, ARCHITECT, AND DSA, AS REQUIRED BY SECTION 4-338, PART 1, TITLE 24, C.C.R.

03. THE LOCATION AND STORAGE OF CONSTRUCTION MATERIALS AND THE EFFECTS ON EXISTING OCCUPIED BUILDINGS SHALL BE APPROVED BY THE CITY OF "XYZ" FIRE DEPARTMENT.

04. TEMPORARY TOILET FACILITIES SHALL BE PROVIDED PER THE PROJECT MANUAL UNDER TEMPORARY FACILITIES.

05. ALL PENETRATIONS IN FIRE RATED ASSEMBLIES SHALL BE PROTECTED IN ACCORDANCE WITH C.B.C. CHAPTER 7.

06. TESTING OF MATERIALS SHALL BE CONDUCTED BY A TESTING LAB SELECTED BY THE OWNER & APPROVED BY THE ARCHITECT. THE OWNER SHALL PAY FOR TESTING OF MATERIALS IN ACCORDANCE WITH SECTION 01410.

07. A "DSA CERTIFIED" PROJECT INSPECTOR (CLASS 2) EMPLOYED BY THE DISTRICT (OWNER) AND APPROVED BY THE ARCHITECT AND DSA SHALL PROVIDE CONTINUOUS INSPECTION OF THE WORK. THE DUTIES OF THE INSPECTOR ARE DEFINED IN SECTION 4-342, PART 1, TITLE 24, C.C.R.

08. A COPY OF TITLE 24 PART ONE AND TWO SHALL BE KEPT AVAILABLE IN THE FIELD BY THE INSPECTOR AND THE CONTRACTOR DURING CONSTRUCTION.

09. ALL ITEMS ARE TO BE CONSIDERED NEW UNLESS IDENTIFIED AS (E) OR EXISTING

10. THE CONTRACTOR SHALL BE RESPONSIBLE FOR HIRING AN UNDERGROUND UTILITY LOCATING SERVICE AND WILL BE RESPONSIBLE FOR REPAIRS TO ANY AND ALL UNDERGROUND UTILITIES DAMAGED IN THE TRENCHING AND/OR HORIZONTAL BORING AT THE SITE THE FIELD BY THE INSPECTOR

11. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO VISIT THE SITE TO BECOME FAMILIAR WITH THE PROJECT AREA AND SITE CONDITIONS

12. THE CONTRACTOR SHALL ADVISE THE OWNER AND ARCHITECT OF THE SCHEDULE AND COORDINATE WORK AS SO TO HAVE THE LEAST POSSIBLE IMPACT ON THE OWNER'S OPERATIONS

13. EXISTING IMPROVEMENTS AND UTILITIES DAMAGED DURING THE COURSE OF THE WORK SHALL BE PROMPTLY REPAIRED. EXISTING IMPROVEMENTS AND UTILITIES DAMAGED, FOR WHICH LOCATIONS WERE UNKNOWN, SHALL BE IMMEDIATELY BROUGHT TO THE ARCHITECT'S ATTENTION AND PROMPTLY REPAIRED AT HIS DIRECTION. THE WORK REQUIRED TO REPAIR DAMAGED EXISTING WILL BE REVIEWED AND TAKEN UNDER CONSIDERATION AS EXTRA WORK

14. THE CONTRACTOR WILL VERIFY EXACT CONDITIONS AND DIMENSIONS IN THE FIELD

15. ADEQUATELY PROTECT ALL PERSONNEL AND THE PUBLIC FROM HARM AND ACCIDENT DURING WORK OF THIS PROJECT. BY THE ERECTION OF PROPER BARRICADES, SIGNAGE AND LIGHTING AS MAY BE NECESSARY. ADEQUATELY PROTECT ALL EXISTING BUILDINGS AND SURFACES ADJACENT TO THE WORK OF THIS PROJECT FROM DAMAGE

16. NO INTERFERENCE OF THE USE OF FIRE LANES OR PUBLIC EGRESS AT ANY TIME SHALL BE ALLOWED UNLESS OTHERWISE AUTHORIZED IN THESE DOCUMENTS OR IN WRITING

17. ALL RUBBISH AND DEBRIS SHALL BE LEGALLY DISPOSED OF OFF THE SITE BY THE CONTRACTOR THE CONTRACTOR SHALL MAINTAIN THE PREMISES FREE OF ACCUMULATED WASTE AND MATERIALS CAUSED BY CONTRACTORS, EMPLOYEES OR WORK, OR THE EMPLOYEES OR WORK OF THE SUBCONTRACTORS

18. NO MATERIAL OR EQUIPMENT SHALL BE LEFT ON THE PROJECT SITE OVERNIGHT UNSECURED.

19. IN ACCORDANCE WITH THE GENERAL CONDITIONS OF THE CONTRACT, A FULL-TIME SUPERINTENDENT SHALL BE EMPLOYED BY THE CONTRACTOR AND SHALL BE PRESENT AT THE JOB SITE WHILE WORK IS BEING PERFORMED

20. THE CONTRACTOR SHALL BE HELD RESPONSIBLE FOR EXISTING CONCRETE WALKS, LANDSCAPING, IRRIGATION SYSTEMS, ETC. WHICH MAY BE DAMAGED BY THE WORK OF THIS PROJECT, IF DAMAGE OCCURS, CONTRACTOR MUST REPAIR

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

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

GENERAL DEMOLITION NOTES

01. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND EXISTING CONDITIONS. ANY DISCREPANCIES BETWEEN DRAWINGS AND ACTUAL CONDITIONS SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT FOR CORRECTION / CLARIFICATION PRIOR TO EXECUTION OF THE WORK.

02. DETAILING, MATERIALS & FINISHES ARE TYPICAL FOR ALL SIMILAR CONDITIONS.

03. THE INTENT OF THE DEMOLITION PLANS IS TO DESCRIBE THE GENERAL SCOPE OF THE DEMOLITION WORK BUT DOES NOT NECESSARILY DEPICT ALL ITEMS / CONDITIONS REQUIRED TO COMPLETE THE RELEVANT WORK AS INDICATED IN THE CONSTRUCTION DOCUMENTS. THE CONTRACTOR AND ANY RELEVANT SUB-CONTRACTOR SHALL PERFORM A THOROUGH SITE INVESTIGATION PRIOR TO BIDDING AND/OR COMMENCING WITH THE WORK.

04. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING AND PAYING ALL RELATED FEES FOR A DEMOLITION PERMIT FROM SAN JOAQUIN AIR POLLUTION CONTROL DISTRICT AND IS TO COMPLY WITH ALL SAN JOAQUIN REQUIREMENTS INCLUDING NOTIFICATIONS.

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, C.C.R.

ALL CONSTRUCTION AND DEMOLITION SHALL BE IN ACCORDANCE WITH CHAPTER 33 OF THE CBC AND CFC AND THE WRITTEN SITE FIRE SAFETY PLAN.

SHEETS - GENERAL

CS	COVER SHEET
FGA	FIRE, GATES AND ACCESS PLAN

SHEETS - CIVIL

C1	CIVIL SPECIFICATIONS
C2	EXISTING TOPOGRAPHY
C3	DEMOLITION PLAN
C4	GRADING AND DRAINAGE PLAN
C5	UTILITY PLAN

SHEETS - ARCHITECTURAL

AS.1	SITE PLAN - OVERALL SITE PLAN
AS.2	SITE PLAN - DEMOLITION
AS.3	SITE PLAN - NEW CONSTRUCTION
AS.4	SITE DETAILS

SHEETS - ELECTRICAL

E0.1	GENERAL NOTES, ELECTRICAL DETAILS
E1.1	ELECTRICAL CONSTRUCTION DETAILS
ET24	COMPLIANCE

SHEETS - SHADE STRUCTURE - PC# 02-121214

REK1.0	ORDER FORM
REK1.1	NOTES AND SPECIAL INSTRUCTIONS
REK2.3	FOUNDATION PLAN DRILLED PIER
REK3.1	FRAMING PLAN
REK4.1	FRAME CONNECTION DETAILS
REK5.1	ARCHITECTURAL VIEWS
REK6.0	ROOF CONNECTION DETAILS
REK7.0	MISC. DESIGN OPTIONS
REK7.1	ELECTRICAL CUTOUPS

SHEET INDEX SHEET COUNT: 23

ALL WORK SHALL COMPLY WITH APPLICABLE CODES AND STANDARDS	
APPLICABLE CODES - EFFECTIVE JANUARY 1, 2026	
TITLE 19 CCR	PUBLIC SAFETY, STATE FIRE MARSHAL REGULATIONS
TITLE 24 CCR	PART 1 - 2025 BUILDING STANDARDS ADMINISTRATIVE CODE
TITLE 24 CCR	PART 2 - 2025 CALIFORNIA BUILDING CODE, VOL. 1 & 2 (CBC) (2021 IBC, AS AMENDED BY CA.)
TITLE 24 CCR	PART 3 - 2025 CALIFORNIA ELECTRICAL CODE (CEC) (2020 NEC, AS AMENDED BY CA.)
TITLE 24 CCR	PART 4 - 2025 CALIFORNIA MECHANICAL CODE (CMC) (2021 IAPMO UMC, AS AMENDED BY CA.)
TITLE 24 CCR	PART 5 - 2025 CALIFORNIA PLUMBING CODE (CPC) (2021 IAPMO LPC, AS AMENDED BY CA.)
TITLE 24 CCR	PART 6 - 2025 CALIFORNIA ENERGY CODE
TITLE 24 CCR	PART 9 - 2025 CALIFORNIA FIRE CODE (CFC) (2021 IFC, AS AMENDED BY CA.)
TITLE 24 CCR	PART 11 - 2025 CALIFORNIA GREEN BUILDING STANDARDS CODE
TITLE 24 CCR	PART 12 - 2021 REFERENCED STANDARDS
APPLICABLE STANDARDS - (PARTIAL LIST, SEE CBC CH.35 AND CFC CH. 45)	
2022 NFPA 72	NATIONAL FIRE ALARM CODE, (CA AMENDED) (SEE UL STANDARD 1971 FOR "VISUAL DEVICES")
2003 UL 464	AUDIBLE SIGNALING DEVICES
1999 UL 521	HEAT DETECTORS FOR FIRE PROTECTIVE SIGNALING SYSTEMS
CFC CH 33	FIRE SAFETY DURING CONSTRUCTION AND DEMOLITION

STATEMENT OF GENERAL CONFORMANCE

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

(APPLICATION NO. 02-124307 FILE NO. 39-H6)

THE DRAWINGS OR SHEETS LISTED ON THE COVER OR INDEX SHEET

DRAWING SHEETS INCLUDED UNDER THE FOLLOWING PC APPROVAL(S):

HAVE BEEN PREPARED BY OTHER DESIGN PROFESSIONALS OR CONSULTANTS WHO ARE LICENSED AND/OR AUTHORIZED TO PREPARE SUCH DRAWINGS IN THIS STATE. IT HAS BEEN EXAMINED BY ME FOR:

- DESIGN INTENT AND APPEARS TO MEET THE APPROPRIATE REQUIREMENTS OF TITLE 24, CALIFORNIA CODE OF REGULATIONS AND THE PROJECT SPECIFICATIONS PREPARED BY ME, AND
- COORDINATION WITH MY PLANS AND SPECIFICATIONS AND IS ACCEPTABLE FOR INCORPORATION INTO THE CONSTRUCTION OF THIS PROJECT.

THIS STATEMENT OF GENERAL CONFORMANCE SHALL NOT BE CONSTRUED AS RELIEVING ME OF MY RIGHTS, DUTIES, AND RESPONSIBILITIES UNDER SECTIONS 17302 AND 17318 OF THE EDUCATION CODE AND SECTIONS 4-336, 4-341 AND 4-344 OF TITLE 24, PART 1

SIGNATURE	06/04/2026	DATE
JONATHAN GISH	36224	1/2027
PRINTED NAME	LICENSE NUMBER	EXPIRATION DATE

NOTE TO CONTRACTOR:
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 ENGERGY CODE.

LIGHTING CONTROLS ACCEPTANCE TESTS MUST BE PERFORMED BY A CERTIFIED 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.

A LISTING OF CERTIFIED ATT'S CAN BE FOUND AT: [HTTPS://WWW.ENERGY.CA.GOV/PROGRAMS-AND-TOPICS/PROGRAMS/ACCEPTANCE-TEST-TECHNICIAN-CERTIFICATION-PROVIDER-PROGRAM/ACCEPTANCE](https://www.energy.ca.gov/programs-and-topics/programs/acceptance-test-technician-certification-provider-program/acceptance)

THE ACCEPTANCE TEST 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 BE COLLECTING THE FORMS TO CONFIRM THAT THE REQUIRED ACCEPTANCE TESTS HAVE BEEN COMPLETED.

CLIENT

RIPON UNIFIED SCHOOL DISTRICT
ANDY STRICKLAND
304 N ACACIA AVE
RIPON, CA, 95366
PH: (209) 253-1991

ARCHITECT

TIMOTHY P. HUFF & ASSOCIATES, INC.
DBA: TPH ARCHITECTS
JONATHAN E. GISH, AIA, PRINCIPAL ARCHITECT
519 McHENRY AVENUE
MODESTO, CALIFORNIA 95354
PH: (209) 571 2232
FAX: (209) 571 1936

CIVIL ENGINEER:

ASSOCIATED ENGINEERING GROUP
RYAN CARREL, P.E.
4206 TECHNOLOGY DR. #1
MODESTO, CA 95356
PH: (209) 545-3390
FAX: (209) 545-3875

ELECTRICAL ENGINEER:

HCS ENGINEERING, INC.
RICHARD SMITH, E.E.
4651 QUAIL LAKES DRIVE
STOCKTON, CA 95207
PH: (209) 478 8270
FAX: (209) 478 2169

PROJECT TEAM

Consultants

SCOPE OF WORK

THE SCOPE OF WORK FOR THIS PROJECT INCLUDES BUT IS NOT LIMITED TO:

- REPLACEMENT OF TURF AREA AND CONCRETE WITH NEW CONCRETE FLATWORK
- CONSTRUCTION OF (2) 62' X 30' SHADE STRUCTURES
- STORM DRAIN IMPROVEMENTS
- LIGHTING FOR SHADE STRUCTURES
- PROJECT IS USING IR 31-1 TO JUSTIFY DESIGN

VICINITY MAP

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT

APP: 02-124307 INC:
REVIEWED FOR

SS FLS ACS

DATE: 06/16/2026

TPH

architects

TIMOTHY P. HUFF & ASSOCIATES, INC.

Timothy P. Huff, AIA Architect
519 McHenry Ave., Modesto, CA 95354
Ph: (209) 571-2232 Fax: (209) 571-1936

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RIPON H.S. SHADE STRUCTURES

301 NORTH ACACIA AVENUE
RIPON, CA 95366
RIPON UNIFIED SCHOOL DISTRICT

COVER SHEET

Project Number 2609

Date APRIL 2026

Drawn by PTM

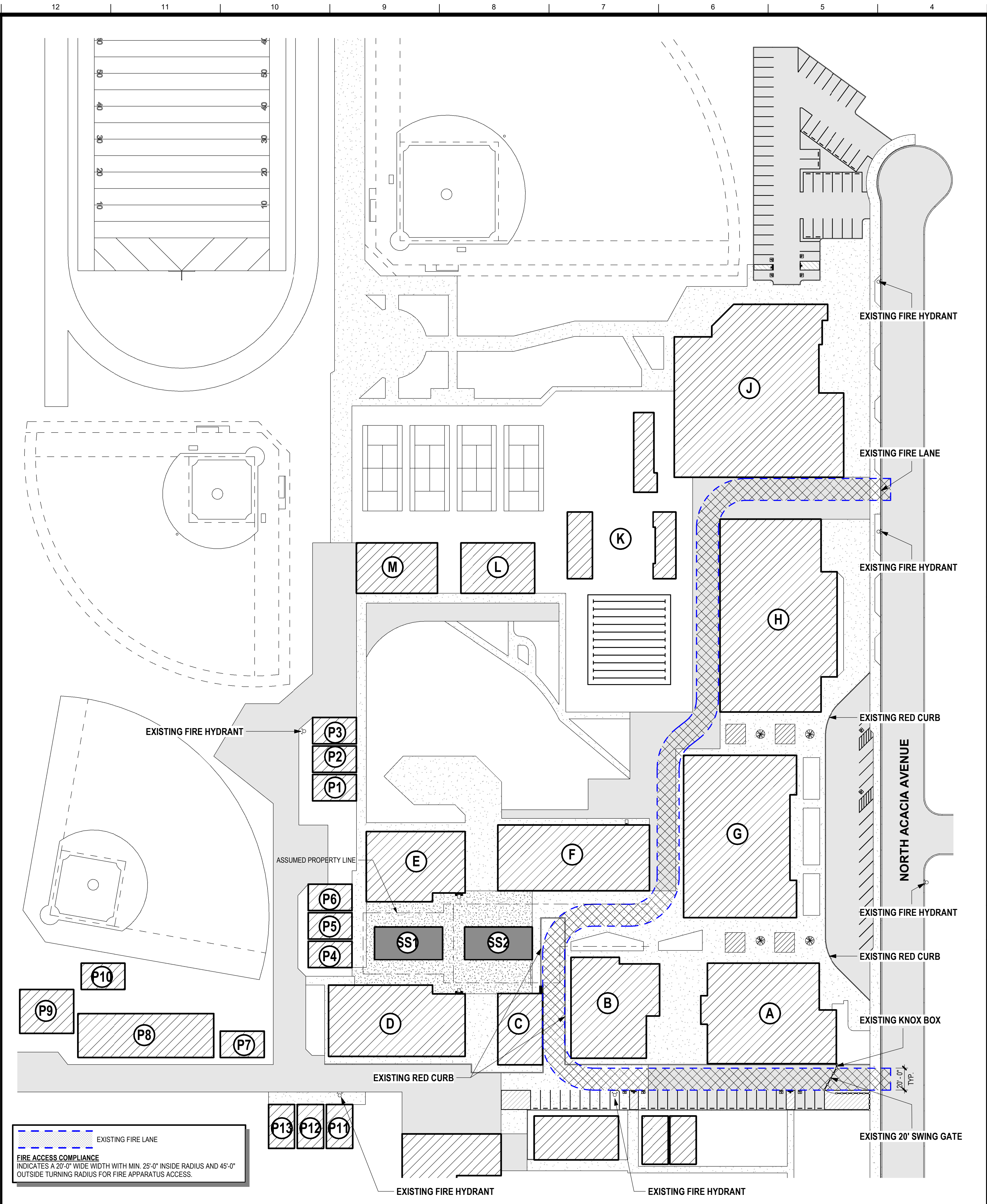
Checked by JG

CS

Plot Date & Time 6/16/2026 1:05:47 PM

ID	BUILDING DESCRIPTION	DSA APPL.#	CONST. TYPE	OCC.	SPRINK.	BLDG. AREA
A	AGRICULTURAL SHOP	02-102412	V-B	E	YES	10350 SF
B	AGRICULTURAL TECHNOLOGY CENTER	02-120335	V-B	E	YES	10972 SF
C	CLASSROOM	31966	V-B	E	YES	2850 SF
D	CLASSROOM	54461	V-B	E	YES	8000 SF
E	CLASSROOM	54461	V-B	E	YES	5700 SF
F	CLASSROOM	02-102412	V-B	E	YES	8200 SF
G	ADMINISTRATION / LIBRARY CLASSROOMS	02-105788	V-B	E	YES	14520 SF
H	SOUTH GYMNASIUM	02-105788	V-B	E	YES	17500 SF
J	NORTH GYMNASIUM	02-104788	V-B	E	NO	17500 SF
K	POOL BUILDINGS	02-102964	V-B	E	NO	3800 SF
L	PORTABLE CLASSROOMS	52061	V-B	E	NO	3000 SF
M	MUSIC	16111	V-B	E	YES	3400 SF
P1	PORTABLE CLASSROOM	54461	V-B	E	NO	920 SF
P2	PORTABLE CLASSROOM	54461	V-B	E	NO	920 SF
P3	PORTABLE CLASSROOM	02-102998	V-B	E	NO	920 SF
P4	PORTABLE CLASSROOM	02-104361	V-B	E	NO	920 SF
P5	PORTABLE CLASSROOM	02-104361	V-B	E	NO	920 SF
P6	PORTABLE CLASSROOM	02-104361	V-B	E	NO	920 SF
P7	PORTABLE CLASSROOM	02-106167	V-B	E	NO	920 SF
P8	PORTABLE CLASSROOMS	02-106167	V-B	E	NO	4600 SF
P9	PORTABLE CLASSROOMS	02-106167	V-B	E	NO	1840 SF
P10	PORTABLE CLASSROOM	02-113832	V-B	E	NO	920 SF
P11	PORTABLE CLASSROOM	02-120515	V-B	E	NO	920 SF
P12	PORTABLE CLASSROOM	02-120515	V-B	E	NO	920 SF
P13	PORTABLE CLASSROOM	02-120515	V-B	E	NO	920 SF
SS1	SHADE STRUCTURE	THIS APPLICATION	II-B	A3	NO	1860 SF
SS2	SHADE STRUCTURE	THIS APPLICATION	II-B	A3	NO	1860 SF

DATES OF CERTIFICATION:
 BLDG. B - 04/2025
 BLDG. C - 11/1970
 BLDG. D - 03/2010
 BLDG. E - 03/2010
 BLDG. F - 11/2004
 BLDGS P4-P6 - 09/2023



1 FGA - FIRE FLOW, GATES, AND ACCESS
 SCALE: 1" = 50'-0"

DSA **810**

FIRE & LIFE SAFETY SITE CONDITIONS SUBMITTAL

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

To facilitate the Division of the State Architect's (DSA) fire and life safety plan review of project site conditions, DSA requires the design professional to provide the following information at time of project submittal for projects consisting of construction of a new campus, construction of new buildings, additions to existing buildings, and for site alternate design means for fire department emergency vehicle access, and fire suppression water supply. Information associated with compliance items 1 through 3 below is to be provided for all project types indicated above. Information associated with items 4 through 7 is to be completed when an alternate means is utilized. Acknowledgement by the school district and signature from the Local Fire Authority (LFA) is only required when an alternate design means is being requested.

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

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

PROJECT INFORMATION

School District/Owner: Ripon Unified School District

Project Name/School: Ripon High School - Shade Structures

Project Address: 301 North Acacia Avenue, Ripon, CA 95366

FIRE & LIFE SAFETY INFORMATION

1. Has a fire hydrant flow test been performed within the past 12 months? Yes No No (If yes, provide a copy of the test data.)

2. Was the fire hydrant water flow test performed as part of this LFA review? Yes No No

3. Is the project located within a designated fire hazard severity zone (FHSZ) as established by Cal-Fire? (If yes, indicate FHSZ classification below.) Yes No No

Refer to the following website for FHSZ locations: www.fire.ca.gov

Moderate High Very High

Wildland Interface Area (WIFA) (If any designations are checked, project design must meet the requirements of CBC Chapter 7A.) WIFA

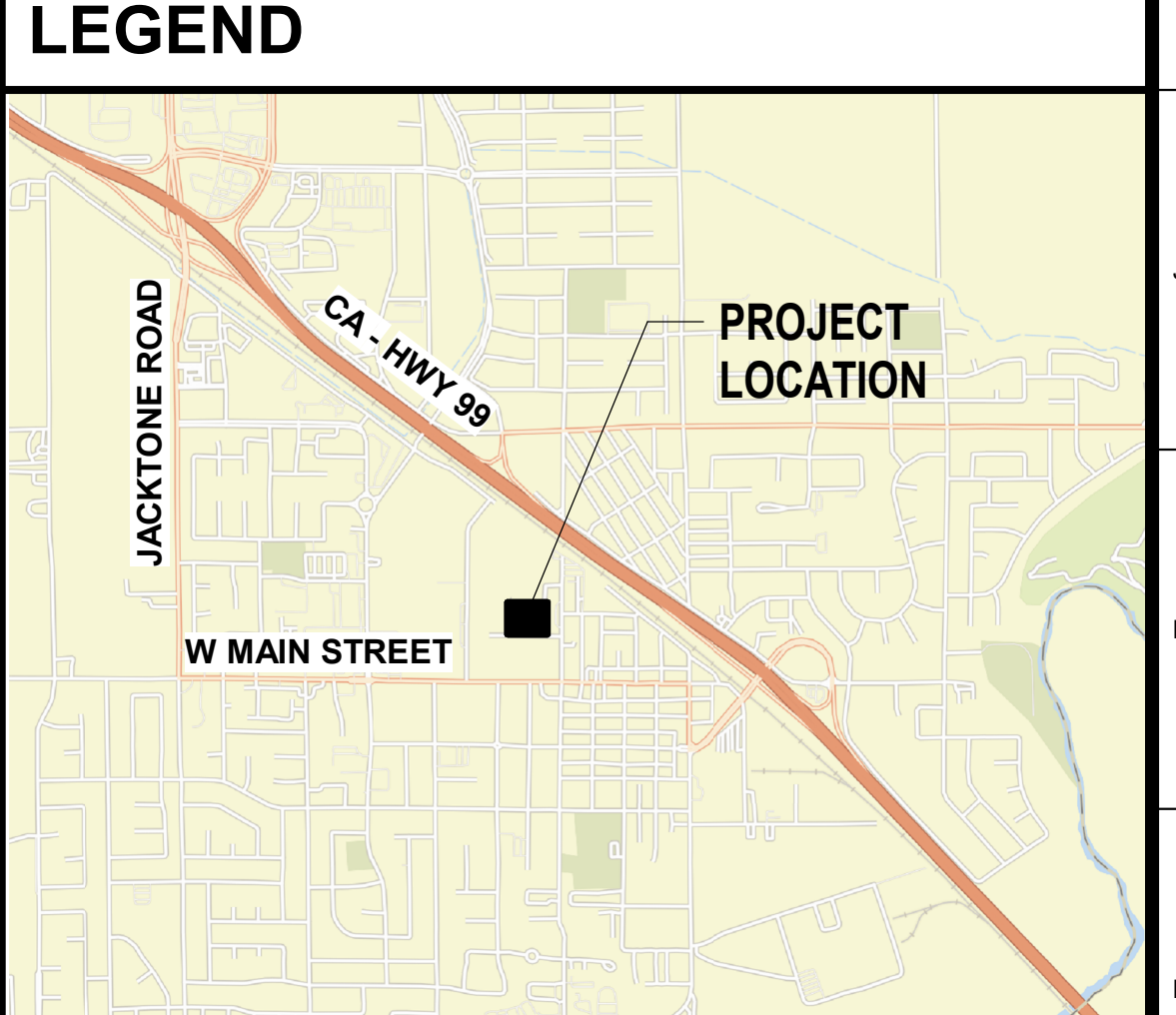
305 DSA 810 (revised 12/29/20) DEPARTMENT OF GENERAL SERVICES STATE OF CALIFORNIA Page 1 of 4

LOCAL FIRE AUTHORITY REVIEW

Consultants

LEGEND

- BUILDING - EXISTING
- BUILDING - NEW
- CONCRETE FLATWORK - EXISTING
- CONCRETE FLATWORK - NEW
- AC PAVING - EXISTING



IDENTIFICATION STAMP
 DIV. OF THE STATE ARCHITECT
 APP: 02-124307 INC:
 REVIEWED FOR
 SS FLS ACS
 DATE: 06/16/2026

TPH architects

TIMOTHY P. HUFF & ASSOCIATES, INC.
 Timothy P. Huff, AIA Architect
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(Signature)
 LICENSED ARCHITECT
 STATE OF CALIFORNIA
 REN. 1/27

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RIPON H.S. SHADE STRUCTURES
 301 NORTH ACACIA AVENUE
 RIPON, CA 95366
 RIPON UNIFIED SCHOOL DISTRICT
 FIRE, GATES AND ACCESS PLAN

Project Number	2609
Date	APRIL 2026
Drawn by	PTM
Checked by	JG

C:\Local\2609 Ripon H.S.Shade Structure_Paul.rvt

SPECIFICATIONS

1. ALL IMPROVEMENTS TO BE DONE SHALL BE DONE IN ACCORDANCE WITH THE REQUIREMENTS OF THE CITY OF RIPON'S DEPARTMENT OF PUBLIC WORKS STANDARD SPECIFICATIONS AND THE LATEST EDITION OF THE STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION, STANDARD SPECIFICATIONS.
 2. BENCHMARK, FOUND U.S.C. & G.S. BRASS DISK STAMPED "US COASTAL & GEODETIC SURVEY BM P799/1946", LOCATED ON THE SOUTHWESTERLY SIDE OF UNION PACIFIC RAILROAD IN THE NORTHEAST TOP OF HEADWALL FOR THE SOUTH SAN JOAQUIN IRRIGATION DISTRICT CANAL. ELEV. =65.87, NAVD 88
 3. THE ENGINEER ASSUMES NO RESPONSIBILITY FOR ANY WORK PERFORMED BY THE CONTRACTOR OR OWNER BASED ON PLANS WHICH HAVE NOT BEEN SIGNED AND SEALED BY THE ENGINEER AND APPROVED BY THE CITY OR COUNTY HAVING JURISDICTION. ALL INFORMATION SHOWN ON PRELIMINARY DRAWINGS IS SUBJECT TO CORRECTION AND CHANGE, AND THE CONTRACTOR OR OWNER SHALL PERFORM ANY AND ALL WORK AT THEIR OWN RISK.
 4. ALL DISTANCES AND MEASUREMENTS ARE GIVEN AND WILL BE MADE IN A HORIZONTAL PLANE. GRADE WILL BE GIVEN FROM THE TOP OF NAILS OR STAKES, UNLESS NOTED OTHERWISE. THE CONTRACTOR SHALL PRESERVE ALL POINTS AND STAKES SET FOR LINES AND GRADES OR MEASUREMENTS OF THE WORK, IN THEIR PROPER LOCATION UNTIL AUTHORIZED TO REMOVE THEM BY THE ENGINEER. ALL EXPENSES INCURRED IN REPLACING STAKES THAT HAVE BEEN REMOVED WITHOUT PROPER AUTHORITY SHALL BE PAID FOR BY THE GENERAL CONTRACTOR.
 5. ANY MONUMENTS IN THE AREA OF WORK SHALL BE LOCATED AND REFERENCED PRIOR TO CONSTRUCTION SO MONUMENTATION IS NOT LOST AND THAT ANY EXISTING MONUMENTATION CAN BE RETAINED OR REPLACED IN THEIR ORIGINAL POSITION PURSUANT TO 8711 OF THE BUSINESS AND PROFESSIONS CODE AND SECTIONS 152.5, 1492.5 AND 1810.5 OF THE CALIFORNIA STREETS AND HIGHWAY CODE.
 6. THESE PLANS HAVE BEEN PREPARED WITH THE INTENT THAT ASSOCIATED ENGINEERING GROUP, INC. WILL PERFORM THE CONSTRUCTION STAKING FOR THE COMPLETE PROJECT. IF ANOTHER FIRM OR AGENCY IS EMPLOYED TO USE THESE PLANS FOR THE PURPOSE OF CONSTRUCTION STAKING, NOTICE IS HEREBY GIVEN THAT ASSOCIATED ENGINEERING GROUP, INC. WILL NOT ASSUME ANY RESPONSIBILITY FOR ERRORS OR OMISSIONS, IF ANY, WHICH MIGHT OCCUR AND WHICH COULD HAVE BEEN AVOIDED, CORRECTED OR MITIGATED IF ASSOCIATED ENGINEERING GROUP, INC. HAD PERFORMED THE STAKING WORK.
 7. IT IS THE CONTRACTOR'S RESPONSIBILITY TO REVIEW HIS WORK PRIOR TO THE REMOVAL OF CONSTRUCTION STAKES. IN THE EVENT THAT DISCREPANCIES ARISE BETWEEN CONSTRUCTION AND STAKING, THE CONTRACTOR SHALL NOTIFY THE ENGINEER TO FIELD REVIEW THE CONSTRUCTION STAKES. THE ENGINEER ACCEPTS NO RESPONSIBILITY FOR STAKING THAT HAS BEEN REMOVED OR DESTROYED BY THE CONTRACTOR.
 8. WHERE THE PLANS OR SPECIFICATIONS DESCRIBE PORTIONS OF THE WORK IN GENERAL TERMS, BUT NOT IN COMPLETE DETAIL, IT IS UNDERSTOOD THAT ONLY THE BEST GENERAL PRACTICE IS TO PREVAIL AND THAT ONLY MATERIALS AND WORKMANSHIP OF THE FINEST QUALITY ARE TO BE USED.
 9. THE CONTRACTOR SHALL COMPLY WITH THE REQUIREMENTS OF THE STATE OF CALIFORNIA WATER RESOURCES CONTROL BOARD (SWRCB), ORDER NO. 2022-0057-DNO, NPDES GENERAL PERMIT NO. CAS000002. THE CONTRACTOR SHALL IMPLEMENT AND MONITOR THE STORM WATER POLLUTION PREVENTION PLAN (SWPPP) IN ACCORDANCE WITH THE SWRCB REGULATIONS.
 10. THE CONTRACTOR SHALL COMPLY WITH ALL LOCAL, STATE, AND FEDERAL SAFETY REGULATIONS PERTAINING TO THEIR OPERATIONS. THEY SHALL PROVIDE ALL LIGHTS, SIGNS, BARRICADES, FLAG MEN OR OTHER DEVICES NECESSARY FOR PUBLIC SAFETY IN ACCORDANCE WITH THE CURRENT ISSUE OF "MANUAL OF TRAFFIC CONTROLS WARNING SIGNS, LIGHTS AND DEVICES FOR USE IN PERFORMANCE OF WORK UPON HIGHWAYS" PUBLISHED BY THE STATE OF CALIFORNIA BUSINESS AND TRANSPORTATION AGENCY. THE CONTRACTOR'S ATTENTION IS ALSO CALLED TO THE REQUIREMENTS OF TITLE 8 OF THE CALIFORNIA ADMINISTRATIVE CODE, SUBCHAPTER 4, ARTICLE 6, "EXCAVATIONS, TRENCHES, EARTHWORK."
 11. THE CONTRACTOR AGREES THAT THEY SHALL ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THIS PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY; THAT THIS REQUIREMENT SHALL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS; AND THAT THE CONTRACTOR SHALL DEFEND, INDEMNIFY AND HOLD THE OWNER AND THE ENGINEER HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXCEPTING FOR LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF THE OWNER OR ENGINEER.
 12. THE GENERAL CONTRACTOR SHALL COORDINATE THE WORK OF THE GRADING CONTRACTOR AND LANDSCAPE CONTRACTOR WITH RESPECT TO FINISH GRADING IN PLANTING AREAS. THE GRADING CONTRACTOR SHALL STOCKPILE THE APPROPRIATE YARDAGE FOR THIS USE. THE EXACT AMOUNT OF STOCKPILE SHALL BE DETERMINED BY THE LANDSCAPE CONTRACTOR, AND SHALL BE FREE OF GRASS, WEEDS OR OTHER DEBRIS. THE LANDSCAPE CONTRACTOR SHALL BE RESPONSIBLE FOR THE FINAL PLACEMENT AND GRADING IN MOUNDED AREAS. SITE STRIPPING HAS NOT BEEN CALCULATED FOR THIS PROJECT. IF STRIPPING IS PERFORMED, THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPLACING SAID MATERIAL AS REQUIRED.
 13. CONTRACTOR SHALL INCLUDE IN THEIR BID ALL NECESSARY COSTS TO DISPOSE OF EXCESS EARTHWORK MATERIAL GENERATED FROM EXCAVATION TO PAVEMENT SUBGRADE AND FROM TRENCH SPOILS, ESTIMATED TO BE APPROXIMATELY 2,100 CUBIC YARDS (CONTRACTOR TO VERIFY).
 14. THE PAVING CONTRACTOR SHALL PROVIDE COMPACTION TESTS IN PAVED AREAS AS REQUIRED BY THE ENGINEER, AT THE CONTRACTOR'S EXPENSE. A MINIMUM OF TWO (2) TESTS SHALL BE INCLUDED IN THE CONTRACTOR'S BID.
 15. ALL FRAME AND COVERS SHALL BE ADJUSTED TO FINISH GRADE BY THE PAVING CONTRACTOR.
 16. APPROPRIATE DUST CONTROL SHALL BE PROVIDED FOR THE ALLEVIATION OR PREVENTION OF DUST NUISANCE, AT THE CONTRACTOR'S EXPENSE.
 17. ALL SUB GRADE PREPARATION AND PAVING SHALL CONFORM TO THE CITY OF RIPON'S STANDARD SPECIFICATIONS, AND SHALL BE PLACED TO THE MINIMUM THICKNESS AS SHOWN ON THE GRADING PLAN.
 18. THE CONTRACTOR SHALL LOCATE AND PRESERVE ALL EXISTING FACILITIES INCLUDING GAS, WATER, IRRIGATION, POWER, TELEPHONE, SEWER OR OTHERS WHICH MAY BE PRESENT IN THE AREA OF CONSTRUCTION. THE RESPECTIVE UTILITY COMPANIES SHALL BE NOTIFIED PRIOR TO BEGINNING WORK.
- UTILITIES**
19. ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE CITY OF RIPON'S STANDARD SPECIFICATIONS AND THE LATEST EDITION OF THE CALIFORNIA PLUMBING CODE.
 20. THE CONTRACTOR SHALL COMPLY WITH THE REQUIREMENTS OF CHAPTER 9, SECTION 6705, 6706, AND 6707 OF THE STATE LABOR CODE.
 21. THE CONTRACTOR SHALL SUBMIT FOR APPROVAL A DETAILED PLAN SHOWING THE DESIGN OF SHORING, BRACING, SLOPING, OR OTHER PROVISIONS TO BE MADE FOR WORKER PROTECTION FOR ALL AREAS TO BE EXCAVATED TO A DEPTH OF FIVE FEET OR MORE. IF THE PLAN VARIES FROM THE SHORING SYSTEM STANDARDS, THE PLANS SHALL BE PREPARED BY A REGISTERED CIVIL OR STRUCTURAL ENGINEER.
 22. ALL UTILITY LINE TRENCHES SHALL BE BACKFILLED AND RECOMPACTED IN ACCORDANCE WITH THE CITY OF RIPON STANDARD SPECIFICATIONS.
 23. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR THE COORDINATION WITH UTILITY COMPANIES FOR THE REMOVAL OR RELOCATION OF UTILITY COMPANY FACILITIES AS REQUIRED TO COMPLETE THE IMPROVEMENTS AS SHOWN ON THE PLANS.
- STORM DRAIN**
24. P.V.C. PIPE AS SHOWN ON THE PLANS SHALL BE POLYVINYL CHLORIDE PIPE CONFORMING TO ASTM D-3034, SDR 35, WITH RUBBER SEALING RINGS MEETING ASTM D-3212 "JOINTS FOR DRAINS AND SEWER PIPES USING FLEXIBLE ELASTOMERIC SEALS" OR AN APPROVED EQUAL.
 25. WHERE THE PLANS SHOW P.V.C. STORM DRAINS, THE CONTRACTOR MAY USE HIGH DENSITY POLYETHYLENE PIPE MEETING AASHTO DESIGNATION M 294M-98.
- CONCRETE PAVEMENT**
26. CONCRETE, PORTLAND CEMENT CONCRETE PAVING SHALL CONFORM TO MINOR CONCRETE AS DEFINED IN THE STATE OF CALIFORNIA 2022 DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS, SECTION 90-2, WITH A 28 DAY COMPRESSIVE STRENGTH OF 2,500 POUNDS PER SQUARE INCH AS A MINIMUM AND A MAXIMUM SLUMP OF 4 INCHES. CONCRETE SHALL CONSIST OF A MINIMUM OF 5.5 SACK MIX OF PORTLAND CEMENT, WATER, AND AGGREGATE. PORTLAND CEMENT SHALL BE TYPE II. AGGREGATES SHALL BE WASHED BEFORE USE AND BE FREE FROM ANY FOREIGN MATTER.
 27. THE AGGREGATES SHALL BE GRADED TO PROVIDE A PLASTIC, WORKABLE MIXTURE OF MAXIMUM DENSITY WITH A MAXIMUM SIZE AGGREGATE OF 3/4 INCHES. THE WATER SHALL BE POTABLE AND NO ADMIXTURES SHALL BE USED WITHOUT APPROVAL OF THE ENGINEER. THE CEMENT, WATER AND AGGREGATES SHALL BE COMBINED AT THE BATCH PLANT AND BE THOROUGHLY MIXED. NO WATER SHALL BE ADDED TO THE MIXTURE AFTER LEAVING THE BATCH PLANT WITHOUT APPROVAL OF THE ENGINEER. ALL CONCRETE SHALL BE PLACED WITHIN 90 MINUTES AFTER THE INTRODUCTION OF WATER TO THE CEMENT. THE TEMPERATURE OF THE CONCRETE SHALL NOT BE LESS THAN 50 DEGREES FAHRENHEIT AND NOT MORE THAN 90 DEGREES FAHRENHEIT.
 28. THE CONCRETE SHALL BE CONSOLIDATED BY VIBRATING. CONCRETE WHICH HAS ROCK POCKETS OR HONEY COMBING AFTER CURING SHALL BE REMOVED AND REPLACED.
 29. ALL CONCRETE SHALL BE CURED IN ACCORDANCE WITH SECTION 90 OF THE STATE OF CALIFORNIA STANDARDS AND VEHICULAR TRAFFIC SHOULD NOT BE ALLOWED FOR 3 DAYS (AUTOMOBILE TRAFFIC) OR 7 DAYS (TRUCK TRAFFIC).
 30. SPECIAL INSPECTION AND TESTING OF CONCRETE SLABS ON GRADE AND SEAT WALLS NOT REQUIRED.

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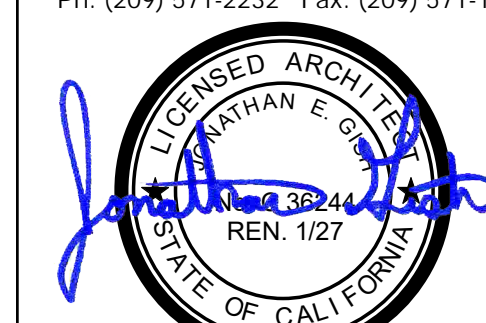
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TIMOTHY P. HUFF & ASSOCIATES, INC.
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RIPON H.S. SHADE STRUCTURES

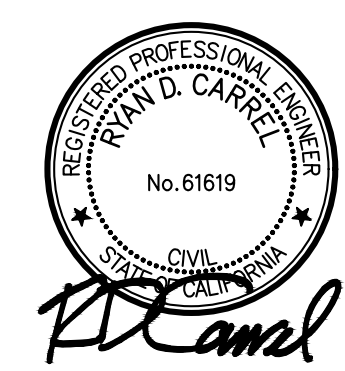
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CIVIL SPECIFICATIONS

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C1

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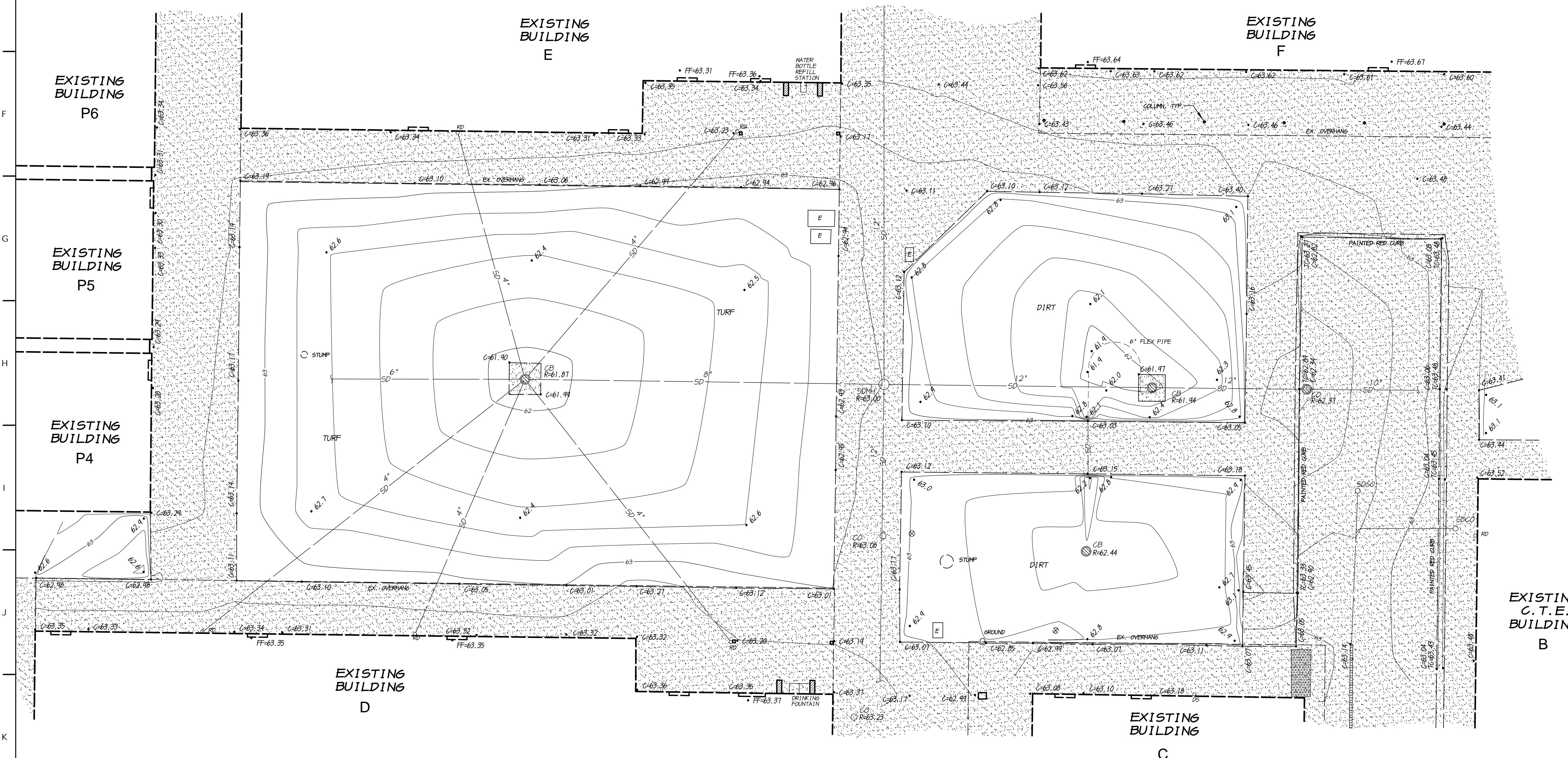


UTILITY LOCATIONS

- EXISTING UNDERGROUND UTILITIES SHOWN ARE TAKEN FROM RECORD INFORMATION TO AID THE CONTRACTOR. THE CONTRACTOR SHALL VERIFY THE LOCATIONS, BOTH VERTICAL AND HORIZONTAL, OF ALL EXISTING UNDERGROUND LINES AND NOTIFY THE ENGINEER OF ANY DISCREPANCIES OR CONFLICTS PRIOR TO WORK.
- EXISTING UTILITIES ARE SHOWN AS THEY ARE BELIEVED TO EXIST FROM RECORDS SUPPLIED BY OTHERS. THE OWNER AND ENGINEER DO NOT ACCEPT RESPONSIBILITY FOR THEIR ACCURACY. PRIOR TO THE COMMENCEMENT OF WORK, THE CONTRACTOR SHALL HAVE EACH UTILITY COMPANY ACCURATELY LOCATE IN THE FIELD THEIR MAINS AND SERVICE LINES. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO PROTECT ALL EXISTING UTILITIES, SO THAT NO DAMAGE RESULTS TO THEM DURING THE PERFORMANCE OF THIS CONTRACT. CONTACT U.S.A. AT PH. 800-227-2600
- PRIOR TO OPENING AN EXCAVATION, EFFORT SHALL BE MADE TO DETERMINE WHETHER UNDERGROUND INSTALLATION I.E., SEWER, WATER, FUEL, ELECTRIC LINES, ETC. WILL BE ENCOUNTERED AND IF SO, WHERE SUCH UNDERGROUND INSTALLATIONS ARE LOCATED. WHEN EXCAVATION APPROACHES THE APPROXIMATE LOCATION OF SUCH AN INSTALLATION, THE EXACT LOCATION SHALL BE DETERMINED BY CAREFUL PROBING OR HAND DIGGING AND WHEN IT IS UNCOVERED, ADEQUATE PROTECTION SHALL BE PROVIDED FOR THE INSTALLATION. ALL KNOWN OWNERS OF UNDERGROUND FACILITIES IN THE AREA CONCERNED SHALL BE ADVISED OF PROPOSED WORK AT LEAST 48 HOURS PRIOR TO THE START OF ACTUAL EXCAVATION.

LEGEND

• B.1	EX. GROUND ELEVATION
• TC-63.13	EX. TOP OF CURB ELEVATION
• FF-63.13	EX. FINISHED FLOOR ELEVATION
• R-63.13	EX. RIM ELEVATION
• C-63.13	EX. CONCRETE ELEVATION
====	EX. CURB AND GUTTER
○ CO	EX. CLEAN-OUT
SDM4 ○	EX. STORM DRAIN MANHOLE
○ SDCO	EX. STORM DRAIN CLEAN-OUT
— SD —	EX. STORM DRAIN LINE
CB ⊗	EX. CATCH BASIN
RD ○	EX. ROOF DRAIN
DS ○	EX. DOWNSPOUT
⊗	EX. GATE VALVE
⊠ E	EX. ELECTRICAL BOX
▨	EX. AREA OF CONCRETE

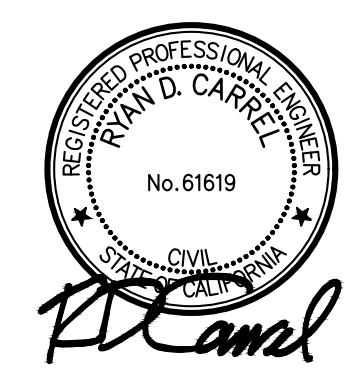


BENCHMARK

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ELEV. = 65.87, NAVD 88



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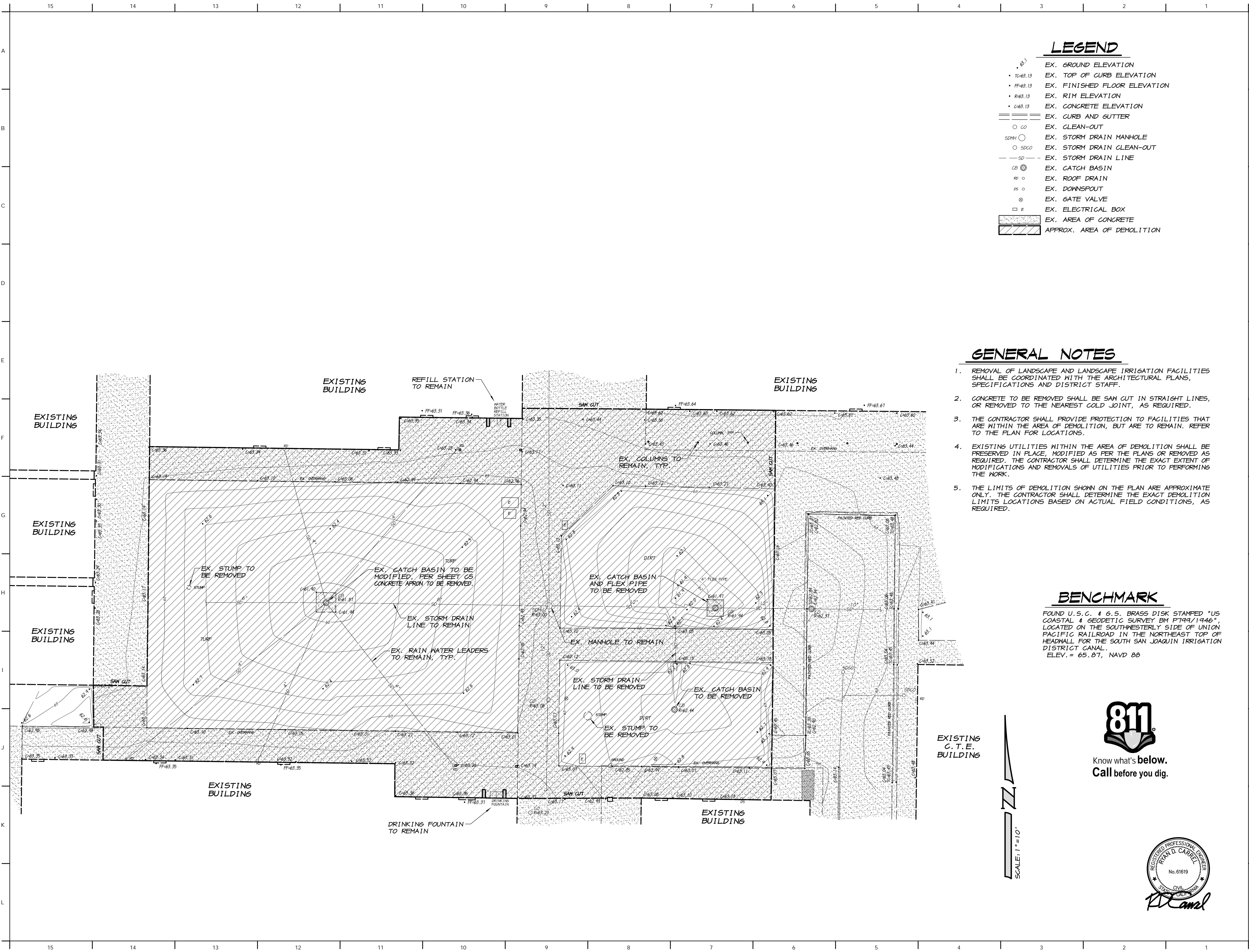


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RIPON H.S. SHADE STRUCTURES
301 NORTH ACACIA AVENUE
RIPON, CA 95366
RIPON UNIFIED SCHOOL DISTRICT
EXISTING TOPOGRAPHY

Project Number	2609
Date	JUNE 2026
Drawn by	JTS
Checked by	RDC
C2	
Plot Date & Time	



LEGEND

• B.1	EX. GROUND ELEVATION
• TC-63.13	EX. TOP OF CURB ELEVATION
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CB	EX. CATCH BASIN
RD ○	EX. ROOF DRAIN
DS ○	EX. DOWNSPOUT
⊗	EX. GATE VALVE
□ E	EX. ELECTRICAL BOX
▨	EX. AREA OF CONCRETE
▩	APPROX. AREA OF DEMOLITION

GENERAL NOTES

1. REMOVAL OF LANDSCAPE AND LANDSCAPE IRRIGATION FACILITIES SHALL BE COORDINATED WITH THE ARCHITECTURAL PLANS, SPECIFICATIONS AND DISTRICT STAFF.
2. CONCRETE TO BE REMOVED SHALL BE SAW CUT IN STRAIGHT LINES, OR REMOVED TO THE NEAREST COLD JOINT, AS REQUIRED.
3. THE CONTRACTOR SHALL PROVIDE PROTECTION TO FACILITIES THAT ARE WITHIN THE AREA OF DEMOLITION, BUT ARE TO REMAIN. REFER TO THE PLAN FOR LOCATIONS.
4. EXISTING UTILITIES WITHIN THE AREA OF DEMOLITION SHALL BE PRESERVED IN PLACE, MODIFIED AS PER THE PLANS OR REMOVED AS REQUIRED. THE CONTRACTOR SHALL DETERMINE THE EXACT EXTENT OF MODIFICATIONS AND REMOVALS OF UTILITIES PRIOR TO PERFORMING THE WORK.
5. THE LIMITS OF DEMOLITION SHOWN ON THE PLAN ARE APPROXIMATE ONLY. THE CONTRACTOR SHALL DETERMINE THE EXACT DEMOLITION LIMITS LOCATIONS BASED ON ACTUAL FIELD CONDITIONS, AS REQUIRED.

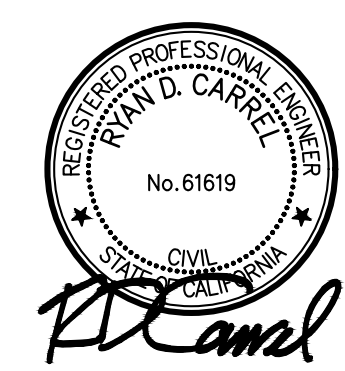
BENCHMARK

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SCALE: 1" = 10'



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RIPON H.S. SHADE STRUCTURES

301 NORTH ACACIA AVENUE
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RIPON UNIFIED SCHOOL DISTRICT

DEMOLITION PLAN

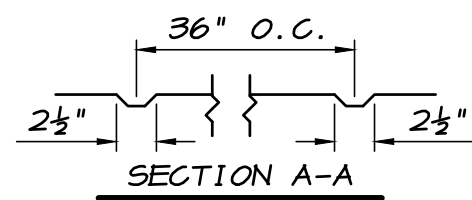
Project Number	2609
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C3

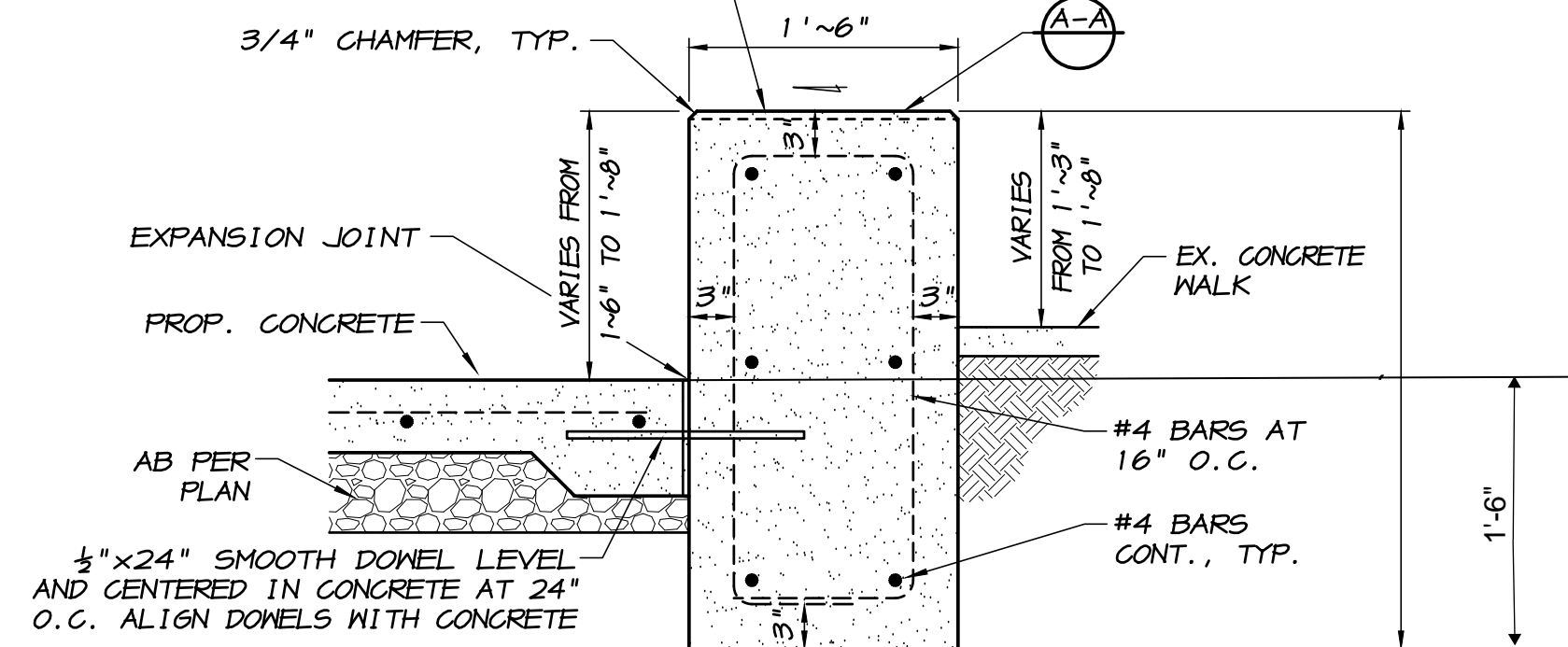
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NOTES

1. PROVIDE EXPANSION JOINTS AT 20' O.C. SEE DETAIL 1/AS.4
2. SECTION A-A ANTI-SKATE GROOVES TO RUN FULL DEPTH OF WALL
3. SEAT WALL IS INTENDED TO MATCH EX. SEAT WALLS LOCATED ON SITE.



TOP OF SEATWALL UNIFORM ELEVATION, SEE PLAN. SLOPE TOP 0.5% TO DRAIN



CONCRETE SEAT WALL (A)
SCALE: 1"=1'

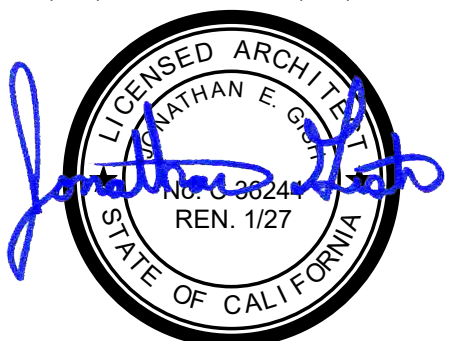
LEGEND

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- SD — EX. STORM DRAIN LINE
- CB ○ EX. CATCH BASIN
- RD ○ EX. ROOF DRAIN
- DS ○ EX. DOWNSPOUT
- ⊗ EX. GATE VALVE
- E EX. ELECTRICAL BOX
- R-63.20 PROP. RIM ELEVATION
- C-63.16 PROP. CONCRETE ELEVATION
- AD ○ PROP. AREA DRAIN
- CB ○ PROP. CATCH BASIN
- ▨ PROP. AREA OF CONCRETE 6" THICK CONCRETE OVER 4" A.B. OVER NATIVE MATERIAL COMPACTED TO 95% R.D. REINFORCE WITH #4 BARS AT 18" O.C. BOTH MAYS.

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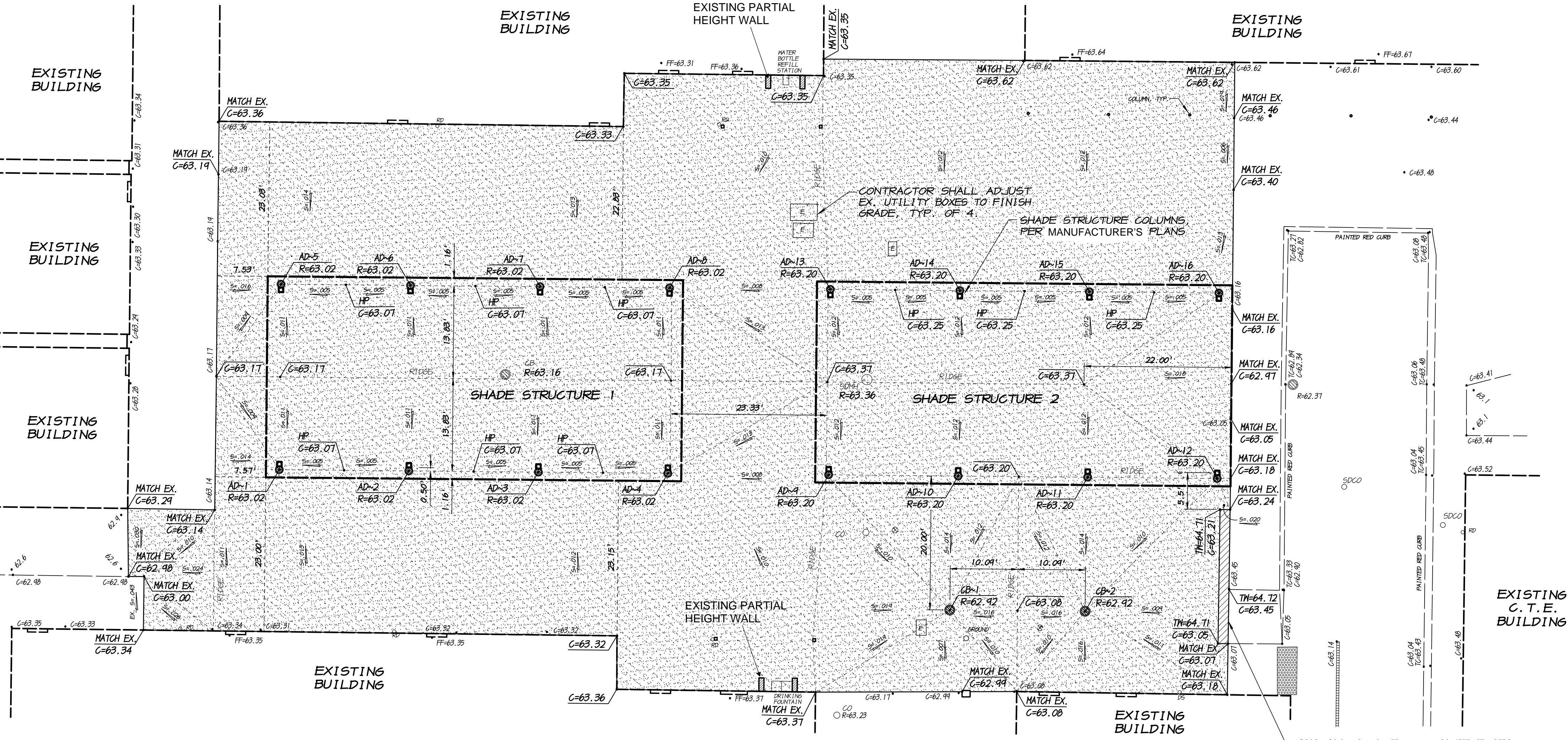


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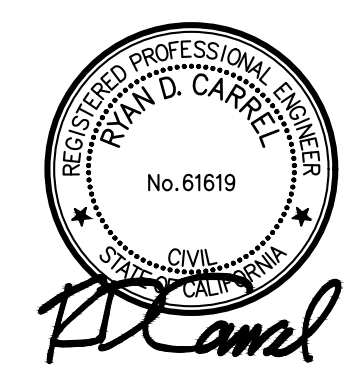
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SCALE: 1"=10'



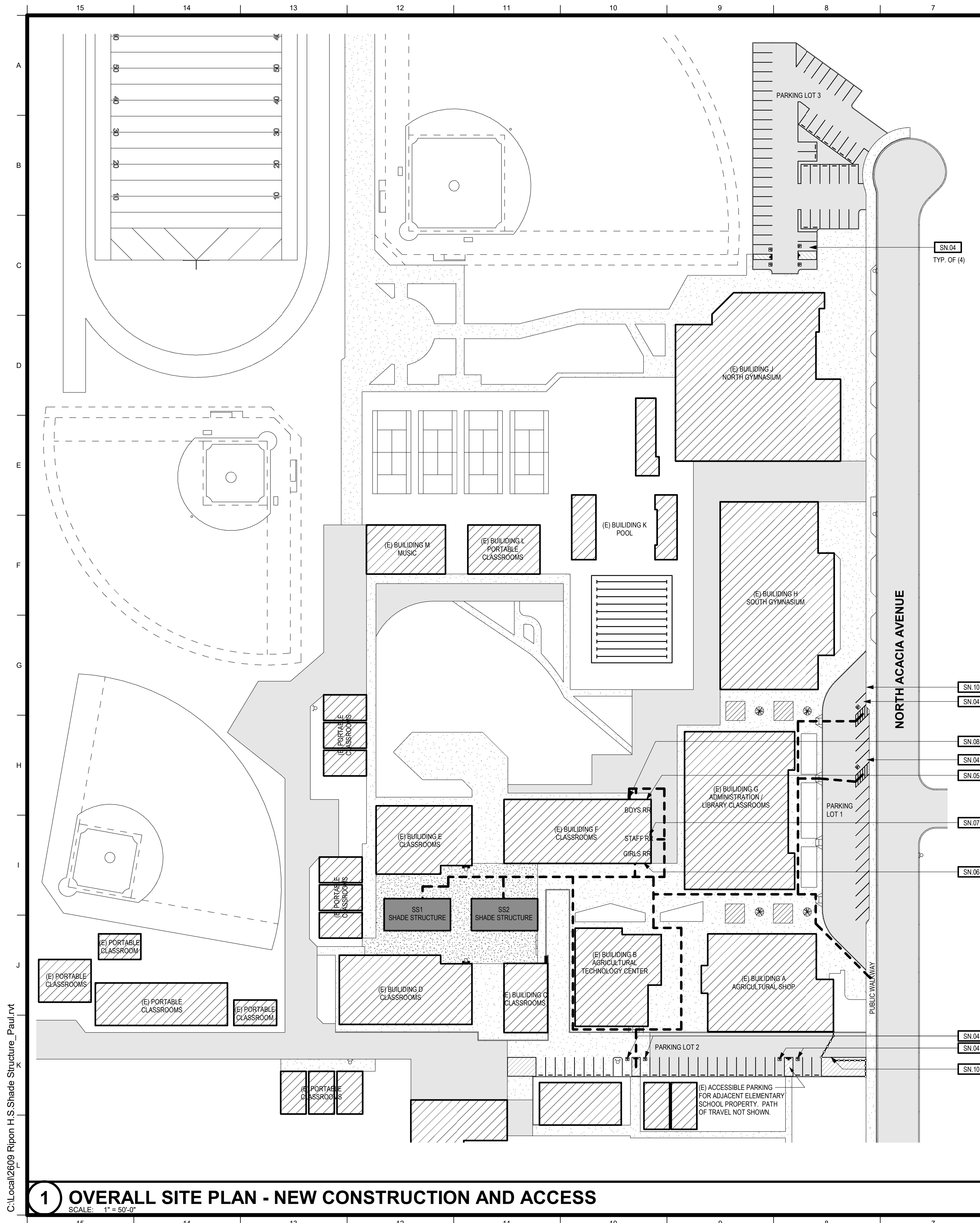
RIPON H.S. SHADE STRUCTURES

301 NORTH ACACIA AVENUE
RIPON, CA 95366
RIPON UNIFIED SCHOOL DISTRICT
GRADING AND DRAINAGE PLAN

Project Number	2609
Date	JUNE 2026
Drawn by	JTS
Checked by	RDC

C4

Plot Date & Time



ID	BUILDING DESCRIPTION	DSA APPL.#	CONST. TYPE	OCC.	SPRINK.	BLDG. AREA
A	AGRICULTURAL SHOP	02-102412	V-B	E	YES	10350 SF
B	AGRICULTURAL TECHNOLOGY CENTER	02-120335	V-B	E	YES	10972 SF
C	CLASSROOM	31966	V-B	E	YES	2850 SF
D	CLASSROOM	54461	V-B	E	YES	8000 SF
E	CLASSROOM	54461	V-B	E	YES	5700 SF
F	CLASSROOM	02-102412	V-B	E	YES	8200 SF
G	ADMINISTRATION / LIBRARY CLASSROOMS	02-105788	V-B	E	YES	14520 SF
H	SOUTH GYMNASIUM	02-105788	V-B	E	YES	17500 SF
J	NORTH GYMNASIUM	02-104788	V-B	E	NO	17500 SF
K	POOL BUILDINGS	02-102964	V-B	E	NO	3800 SF
L	PORTABLE CLASSROOMS	52061	V-B	E	NO	3000 SF
M	MUSIC	16111	V-B	E	YES	3400 SF
P1	PORTABLE CLASSROOM	54461	V-B	E	NO	920 SF
P2	PORTABLE CLASSROOM	54461	V-B	E	NO	920 SF
P3	PORTABLE CLASSROOM	02-102998	V-B	E	NO	920 SF
P4	PORTABLE CLASSROOM	02-104361	V-B	E	NO	920 SF
P5	PORTABLE CLASSROOM	02-104361	V-B	E	NO	920 SF
P6	PORTABLE CLASSROOM	02-104361	V-B	E	NO	920 SF
P7	PORTABLE CLASSROOM	02-106167	V-B	E	NO	920 SF
P8	PORTABLE CLASSROOMS	02-106167	V-B	E	NO	4600 SF
P9	PORTABLE CLASSROOMS	02-106167	V-B	E	NO	1840 SF
P10	PORTABLE CLASSROOM	02-113832	V-B	E	NO	920 SF
P11	PORTABLE CLASSROOM	02-120515	V-B	E	NO	920 SF
P12	PORTABLE CLASSROOM	02-120515	V-B	E	NO	920 SF
P13	PORTABLE CLASSROOM	02-120515	V-B	E	NO	920 SF
SS1	SHADE STRUCTURE	THIS APPLICATION	II-B	A3	NO	1860 SF
SS2	SHADE STRUCTURE	THIS APPLICATION	II-B	A3	NO	1860 SF

PARKING SCHEDULE				
LOT	STANDARD STALLS	STANDARD ACCESSIBLE STALLS	VAN ACCESSIBLE STALLS	TOTAL STALLS
LOT 1'	15	1	1	17
LOT 2'	23	3	1	27
LOT 3'	50	3	1	54

BUILDING INFORMATION

New 30'x62' SHADE STRUCTURES (SEE SHEET REK1.0)

Building Occupancy:
A3 Occupancy

Construction Type:
II-B (NON-SPRINKLERED)

Building Areas:
Allowable Area: 9,500 S.F.
New Building Area: 3,720 S.F. (1,860 SF EACH) - OK

SHADE STRUCTURES 3,720 SF
ASSEMBLY - UNCONCENTRATED CBC TABLE 1004.5-15
MAXIMUM OCCUPANCY = 249 (124 EACH)

PARKING

SHEET NOTES

SN.04	ACCESSIBLE PARKING STALL - EXISTING - PER A02-120335
SN.05	ACCESSIBLE STUDENT BOYS RESTROOM - EXISTING - PER A02-120335
SN.06	ACCESSIBLE STUDENT GIRLS RESTROOM - EXISTING - PER A02-120335
SN.07	ACCESSIBLE STAFF RESTROOM - EXISTING - PER A02-120335
SN.08	ACCESSIBLE DRINKING FOUNTAIN - EXISTING - PER A02-120335
SN.10	WARNING/TOW AWAY SIGN PER 11B-502.8

NOTES

Legend:

- BUILDING - EXISTING
- BUILDING - NEW
- CONCRETE FLATWORK - EXISTING
- CONCRETE FLATWORK - NEW
- AC PAVING - EXISTING

LEGEND

(ACS) ACCESS COMPLIANCE

THE PATH OF TRAVEL (P.O.T.) IS INDICATED BY

AND IS A COMMON BARRIER FREE ACCESS ROUTE AT LEAST 48" WIDE WITHOUT ANY ABRUPT VERTICAL CHANGES EXCEEDING 1/2" BEVELED AT 1:2 MAXIMUM SLOPE, EXCEPT THAT LEVEL CHANGES DO NOT EXCEED 1/4" VERTICAL. THE P.O.T. IS SLIP RESISTANT, STABLE, FIRM AND SMOOTH. PASSING SPACES (11B-403.5.3) AT LEAST 60"x60" ARE LOCATED NOT MORE THAN 200' APART. PARTS OF P.O.T. WITH CONTINUOUS GRADIENTS HAVE 60" LEVEL AREAS (11B-403.7) NOT MORE THAN 400' APART. THE CROSS-SLOPE DOES NOT EXCEED 2% AND SLOPE IN THE DIRECTION OF TRAVEL IS LESS THAN 5% UNLESS OTHERWISE INDICATED. (P.O.T.) SHALL BE MAINTAINED FREE OF OVERHANGING OBSTRUCTION TO 80" MINIMUM (11B-307.4) & PROTRUDING OBJECTS GREATER THAN 4" PROJECTION FROM WALL AND ABOVE 27" AND LESS THAN 80" (11B-307.2). GRID OPENINGS OF GRATINGS IN THE P.O.T. SHALL NOT EXCEED 1/2" IN THE DIRECTION OF TRAFFIC FLOW.

DESIGN PROFESSIONAL IN GENERAL RESPONSIBLE CHARGE STATEMENT: THE POT IDENTIFIED IN THESE CONSTRUCTION DOCUMENTS IS COMPLIANT WITH THE CURRENT APPLICABLE CALIFORNIA BUILDING CODE ACCESSIBILITY PROVISION FOR PATH OF TRAVEL REQUIREMENTS FOR ALTERATIONS, ADDITIONS AND STRUCTURAL REPAIRS. AS PART OF THE DESIGN OF THE IS PROJECT, THE POT WAS EXAMINED AND ANY ELEMENTS, COMPONENTS OR PORTIONS OF THE POT THAT WERE DETERMINED TO BE NONCOMPLIANT 1) HAVE BEEN IDENTIFIED AND 2) THE CORRECTIVE WORK NECESSARY TO BRING THEM INTO COMPLIANCE HAS BEEN INCLUDED WITHIN THE SCOPE OF THIS PROJECT'S WORK THROUGH DETAILS, DRAWINGS AND SPECIFICATIONS INCORPORATED INTO THESE CONSTRUCTION DOCUMENTS. ANY NONCOMPLIANT ELEMENTS, COMPONENTS OR PORTION OF THE POT THAT WILL NOT BE CORRECTED BY THIS PROJECT BASED ON VALUATION THRESHOLD LIMITATION OR FINDING OF UNREASONABLE HARDSHIP ARE SO INDICATED IN THESE CONSTRUCTION DOCUMENTS.

DURING CONSTRUCTION, IF POT ITEMS WITHIN THE SCOPE OF THE PROJECT REPRESENTED AS CODE COMPLIANT ARE FOUND TO BE NONCONFORMING BEYOND REASONABLE CONSTRUCTION TOLERANCES, THEY SHALL BE BROUGHT INTO COMPLIANCE WITH THE CBC AS PART OF THIS PROJECT BY MEANS OF A CONSTRUCTION CHANGE DOCUMENT.

1 OVERALL SITE PLAN - NEW CONSTRUCTION AND ACCESS
SCALE: 1" = 50'-0"

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-124307 INC:
REVIEWED FOR
SS FLS ACS
DATE: 06/16/2026

TPH architects

TIMOTHY P. HUFF & ASSOCIATES, INC.
Timothy P. Huff, AIA Architect
519 McHenry Ave., Modesto, CA 95354
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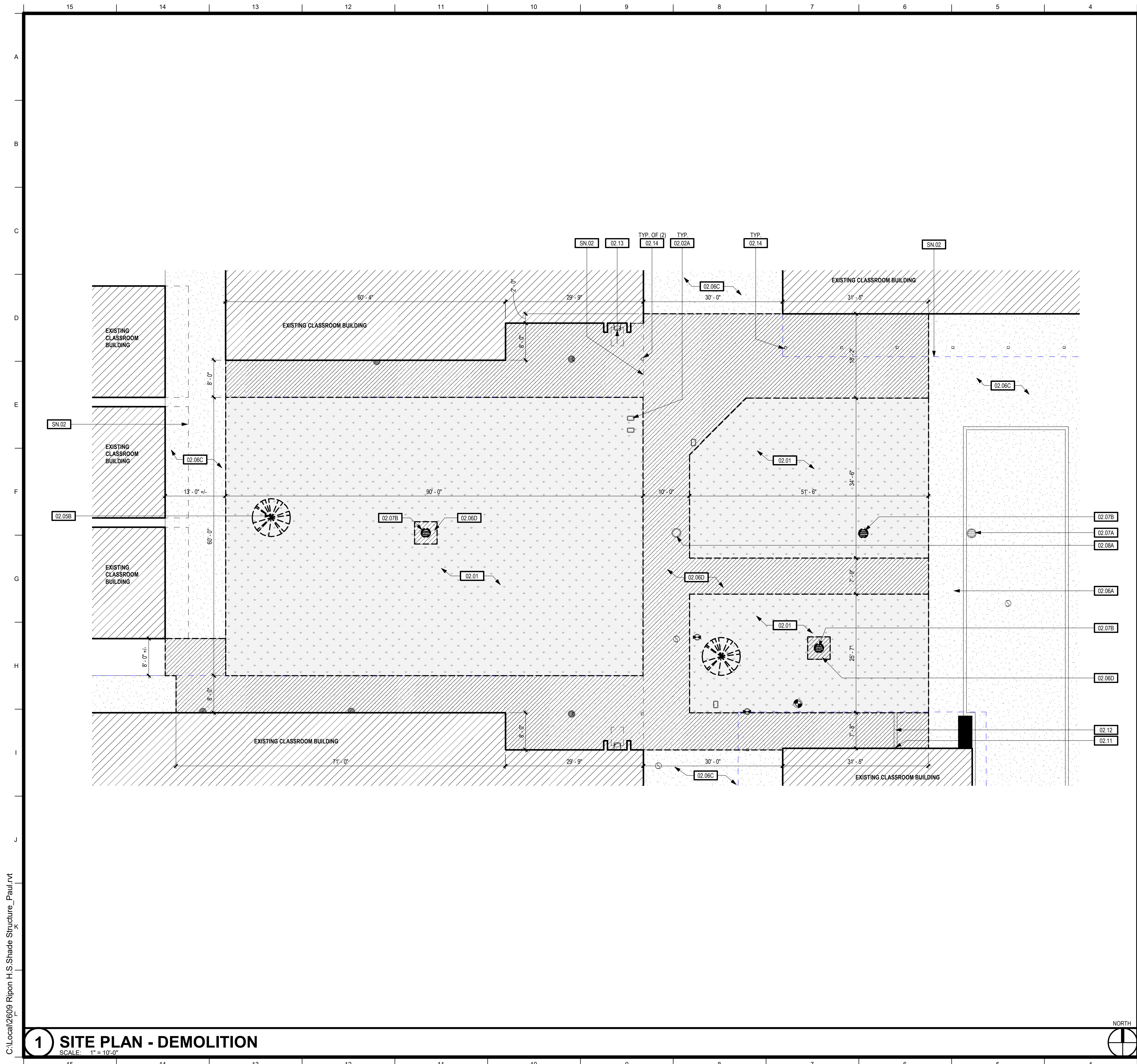
RIPON H.S. SHADE STRUCTURES

301 NORTH ACACIA AVENUE
RIPON, CA 95366
RIPON UNIFIED SCHOOL DISTRICT

SITE PLAN - OVERALL SITE PLAN

Project Number: 2609
Date: APRIL 2026
Drawn by: PTM
Checked by: JG

AS.1
Plot Date & Time: 6/16/2026 1:05:44 PM

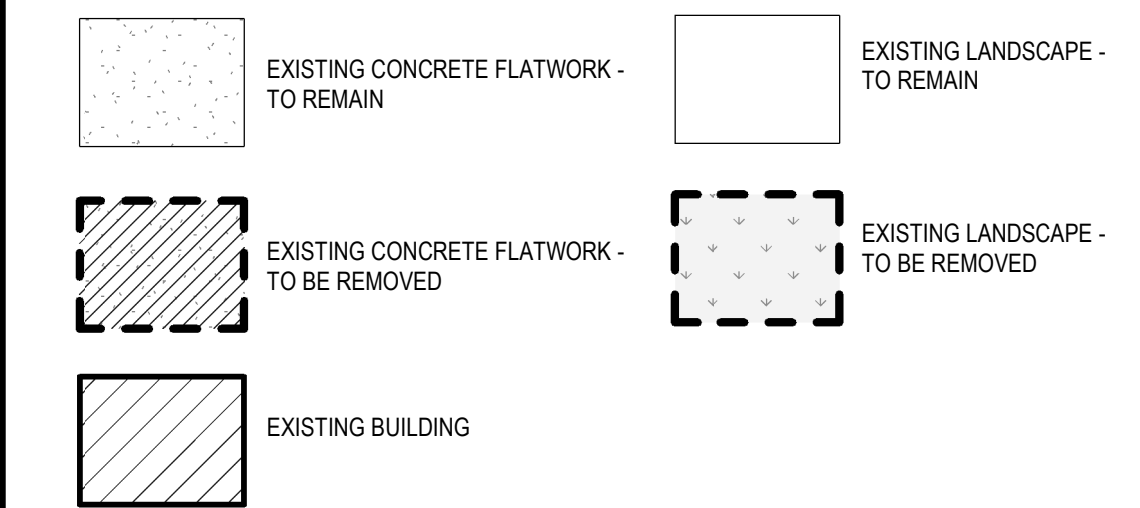


KEYNOTES	
02.01	LANDSCAPE / TURF - EXISTING - TO BE REMOVED - SEE CIVIL DRAWINGS
02.02A	ELECTRICAL BOX - EXISTING - TO REMAIN - REMOVE AND RESET - SEE CIVIL DRAWINGS
02.05B	TREE STUMP - EXISTING - TO BE REMOVED
02.06A	CONCRETE SIDEWALK - EXISTING - TO REMAIN
02.06C	CONCRETE FLATWORK - EXISTING - TO REMAIN
02.06D	CONCRETE FLATWORK - EXISTING - TO BE REMOVED - SEE CIVIL DRAWINGS
02.07A	STORM DRAIN CATCH BASIN - EXISTING - TO REMAIN
02.07B	STORM DRAIN CATCH BASIN - EXISTING - TO BE REMOVED - SEE CIVIL DRAWINGS
02.08A	STORM DRAIN MAN HOLE - EXISTING - TO REMAIN - REMOVE AND RESET - SEE CIVIL DRAWINGS
02.11	DOWNSPOUT - EXISTING - TO REMAIN - PROTECT IN PLACE - SEE CIVIL DRAWINGS
02.12	DRAIN GRATING - EXISTING - TO BE REMOVED - SEE CIVIL DRAWINGS
02.13	DRINKING FOUNTAIN - EXISTING - TO REMAIN - PROTECT IN PLACE
02.14	COLUMN - EXISTING - TO REMAIN

SHEET NOTES

SN.02 | LINE DENOTES EXISTING BUILDING OVERHANG ABOVE

NOTES



SITE LEGEND

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RIPON H.S. SHADE STRUCTURES
301 NORTH ACACIA AVENUE
RIPON, CA 95366
RIPON UNIFIED SCHOOL DISTRICT
SITE PLAN - DEMOLITION

Project Number 2609
Date APRIL 2026
Drawn by PTM
Checked by JG

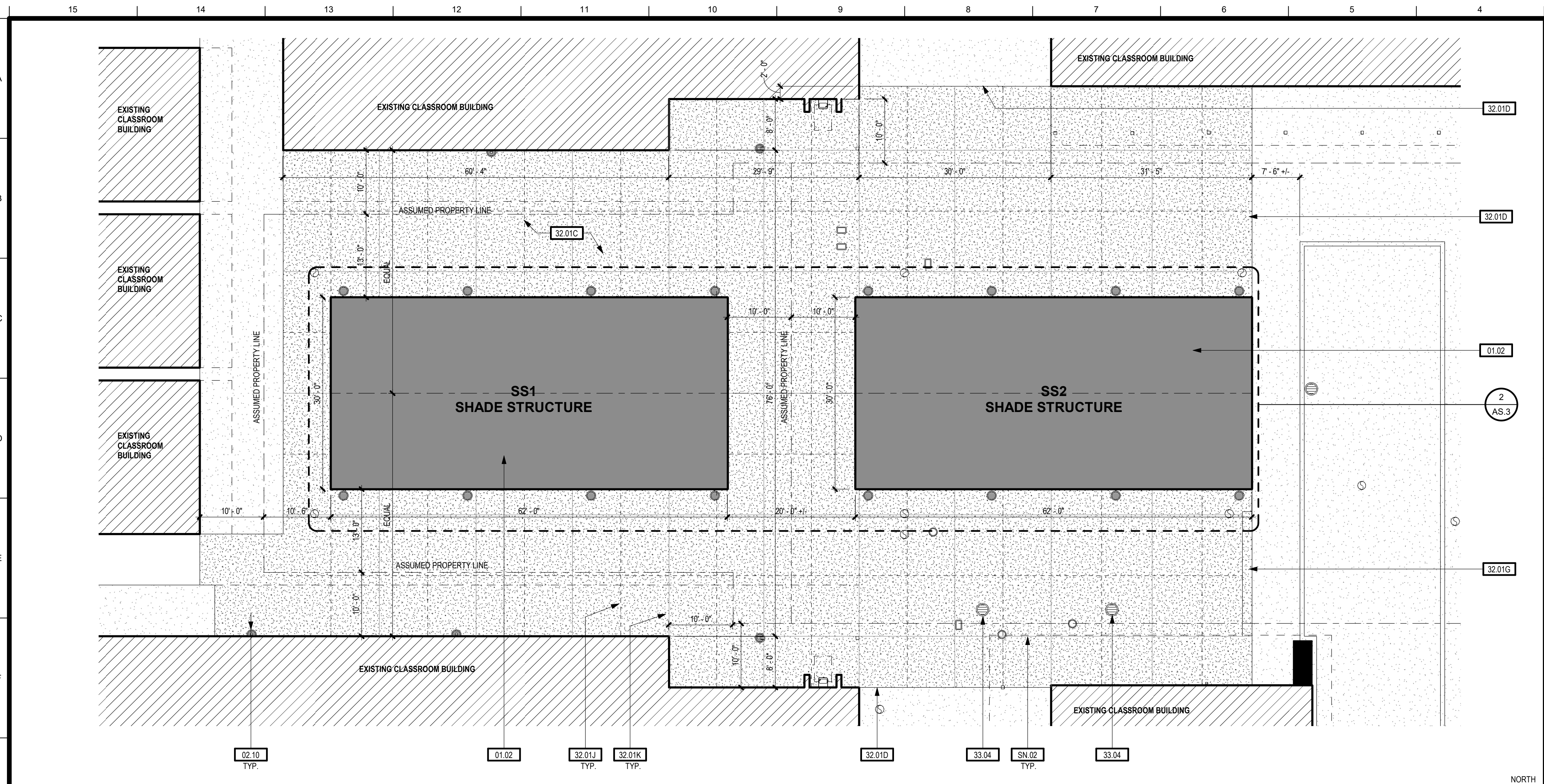
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1 SITE PLAN - DEMOLITION

SCALE: 1" = 10'-0"





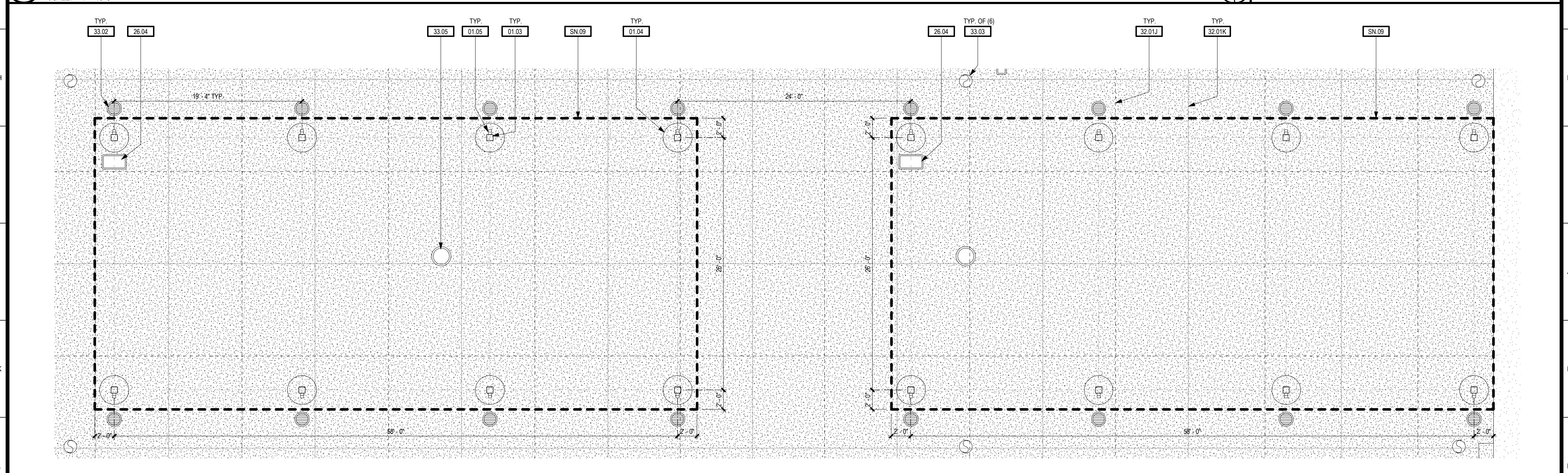
KEYNOTES	
01.02	SHADE STRUCTURE - SEE VENDOR DRAWINGS
01.03	COLUMN - SHADE STRUCTURE - SEE VENDOR DRAWINGS
01.04	DRILLED PIER FOUNDATION - SHADE STRUCTURE - SEE VENDOR DRAWINGS
01.05	METAL DOWNSPOUT @ COLUMN - SHADE STRUCTURE - SEE VENDOR DRAWINGS
02.10	ROOF DRAIN - EXISTING - TO REMAIN - REMOVE AND RESET - SEE CIVIL DRAWINGS
26.04	ELECTRICAL PULL-BOX - SEE ELECTRICAL DRAWINGS
32.01C	CONCRETE FLATWORK - SEE DETAIL 1/AS.4 AND CIVIL DRAWINGS
32.01D	CONCRETE FLATWORK - NEW TO EXISTING - SEE DETAIL 2/AS.4 AND CIVIL DRAWINGS
32.01G	CONCRETE FLATWORK - CONCRETE SEAT WALL - SEE DETAIL 3/AS.4 AND CIVIL DRAWINGS
32.01J	EXPANSION / CONSTRUCTION JOINT - SEE DETAIL 1/AS.4
32.01K	CONTROL JOINT - SEE DETAIL 1/AS.4
33.02	SITE UTILITY - AREA DRAIN AT DOWNSPOUT - SEE CIVIL DRAWINGS
33.03	SITE UTILITY - STORM DRAIN CLEAN OUT - SEE CIVIL DRAWINGS
33.04	SITE UTILITY - STORM DRAIN CATCH BASIN - SEE CIVIL DRAWINGS
33.05	SITE UTILITY - MANHOLE COVER - STORM DRAIN - SEE CIVIL DRAWINGS

SHEET NOTES	
SN.02	LINE DENOTES EXISTING BUILDING OVERHANG ABOVE
SN.09	LINE DENOTES NEW SHADE STRUCTURE OVERHANG ABOVE

NOTES	
[Symbol]	LANDSCAPE AREA - EXISTING
[Symbol]	BUILDING - EXISTING
[Symbol]	BUILDING - NEW
[Symbol]	CONCRETE FLATWORK - EXISTING
[Symbol]	CONCRETE FLATWORK - NEW
[Symbol]	EXPANSION / CONSTRUCTION JOINT
[Symbol]	CONTROL JOINT

1 SITE PLAN - NEW CONSTRUCTION
SCALE: 1" = 10'-0"

SITE LEGEND



2 SITE PLAN - ENLARGED - COLUMN LAYOUT
SCALE: 3/16" = 1'-0"

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RIPON H.S. SHADE STRUCTURES
301 NORTH ACACIA AVENUE
RIPON, CA 95366
RIPON UNIFIED SCHOOL DISTRICT
SITE PLAN - NEW CONSTRUCTION

Project Number 2609
Date APRIL 2026
Drawn by PTM
Checked by JG

AS.3
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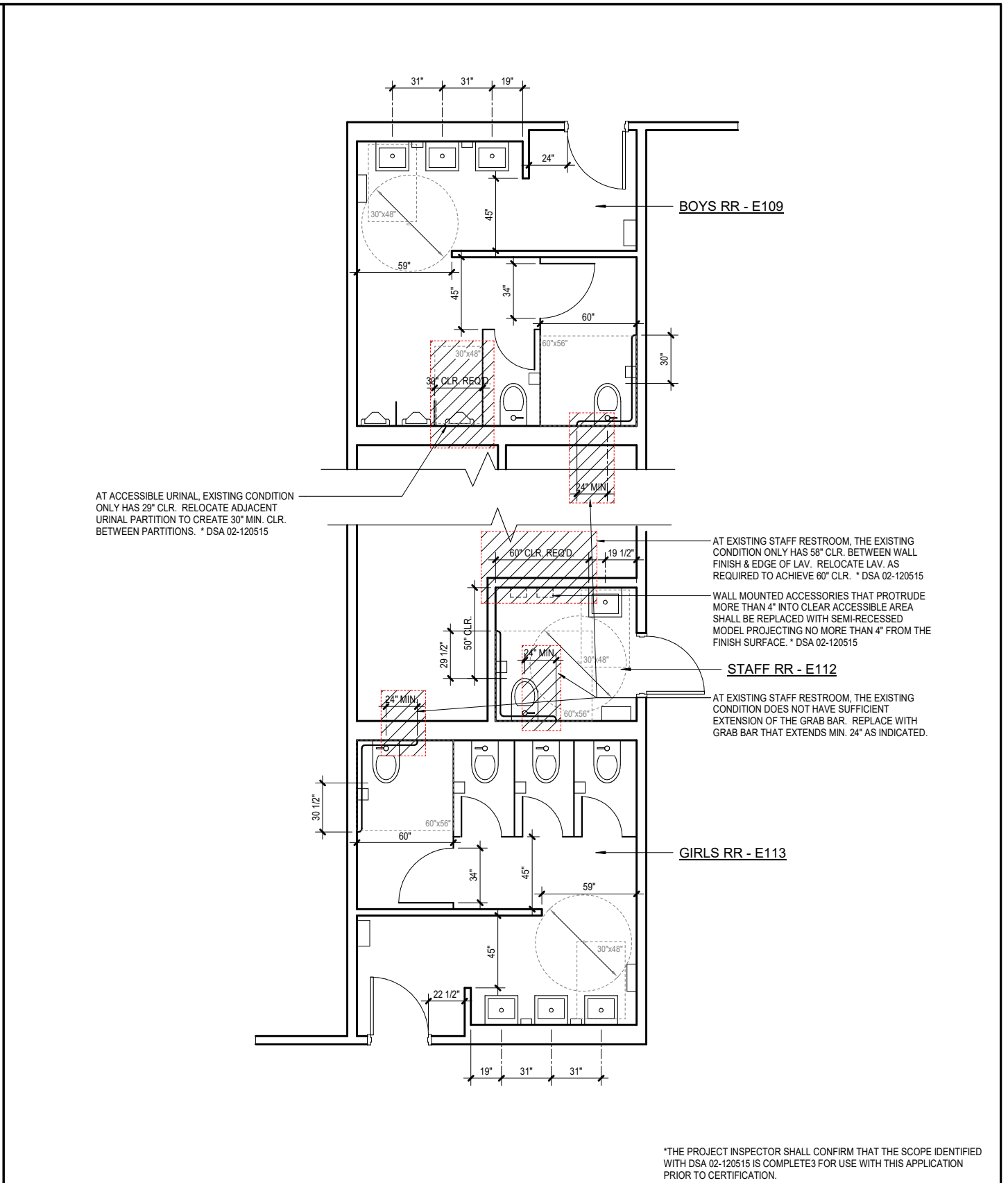
C:\Local\2609 Ripon H.S.Shade Structure_Paul.rvt



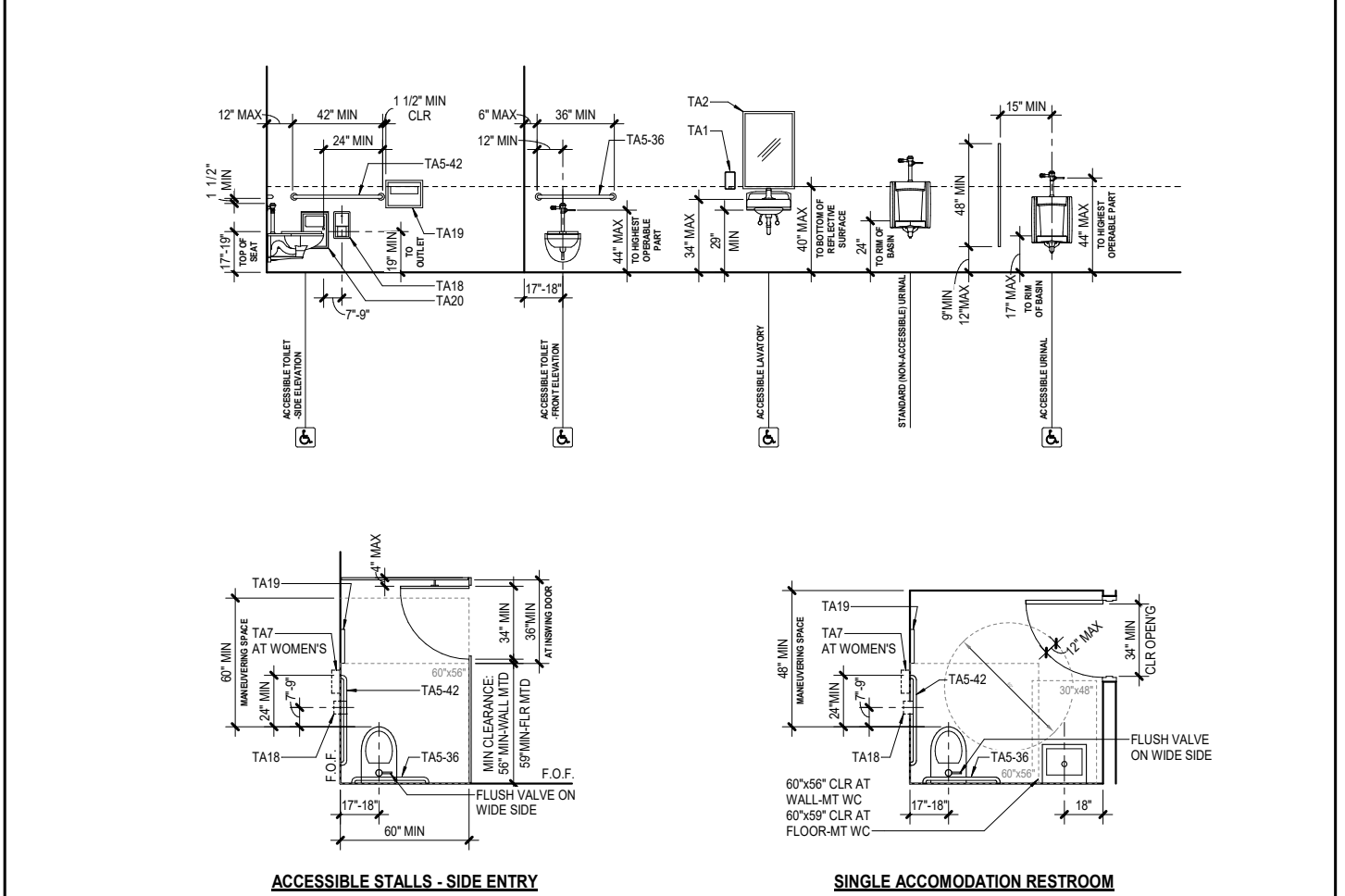
3 PHOTOS - BOYS RESTROOM E109
SCALE: 1/4" = 1'-0"

FOR REFERENCE ONLY

NOT USED



1 FLOOR PLAN - EXISTING RESTROOMS BUILDING E (EXISTING RESTROOMS SHALL COMPLY WITH DETAIL 2 BELOW)
SCALE: 1/4" = 1'-0"



2 ACCESSIBLE STANDARDS FOR TOILET FACILITIES (FOR REFERENCE)
SCALE: 1/4" = 1'-0"

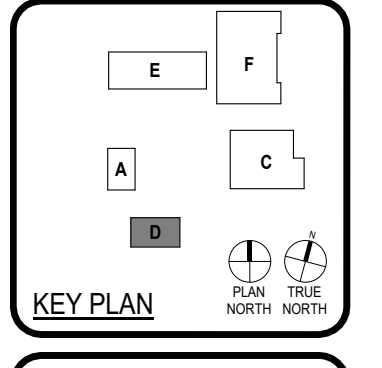
NOTES:
1. ALL DIMENSIONS TO FACE OF FINISHED SURFACE UNLESS NOTED OTHERWISE.
2. DIMENSIONS FOR STANDING STALLS SHALL BE USED ONLY WHERE NOT NOTED ON OTHER DRAWINGS.
3. DIMENSIONS FOR ACCESSIBLE/AMBULATORY STALLS REPRESENT THE MINIMUM REQUIREMENTS.
4. ACTUAL INSTALLATION DIMENSIONS ARE SHOWN IN THE ENLARGED PLANS.
5. SEE G.30-2 FOR TOILET ACCESSORY TYPE LEGEND.

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DATE: 06/16/2026

ARCHITECT
FOLSON
1110 5th Floor Road, Suite 200
Folsom, CA 95630-8110
916-355-9822

NEW AGRICULTURAL TECHNOLOGY CENTER
RIPON UNIFIED SCHOOL DISTRICT
RIPON HIGH SCHOOL
301 N. ACACIA AVE
RIPON, CALIFORNIA 95376
100% CONSTRUCTION DOCUMENT
DSA-APPL. NO. 02-160358 FILE NO. 2609

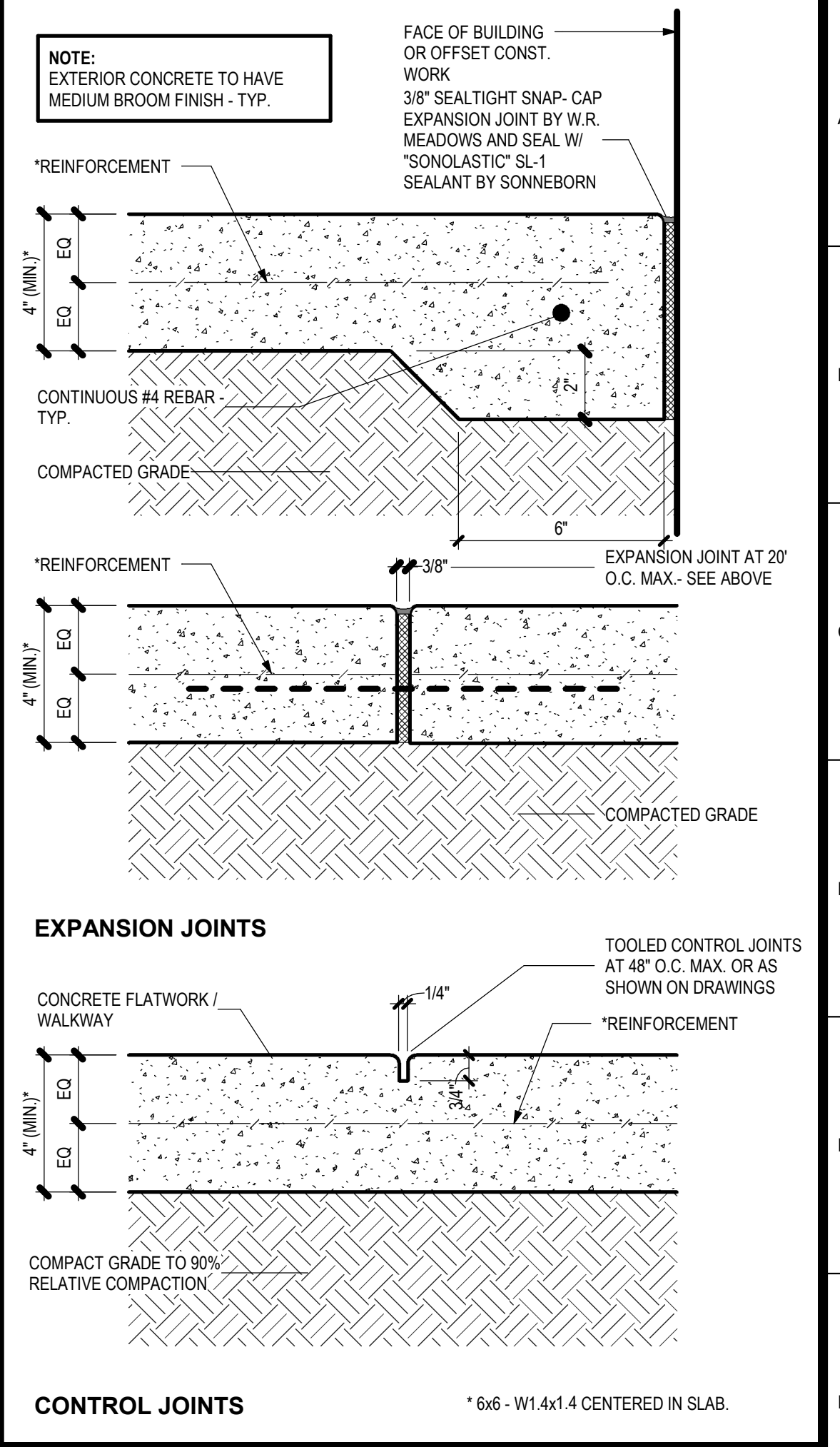
INCREMENT 1



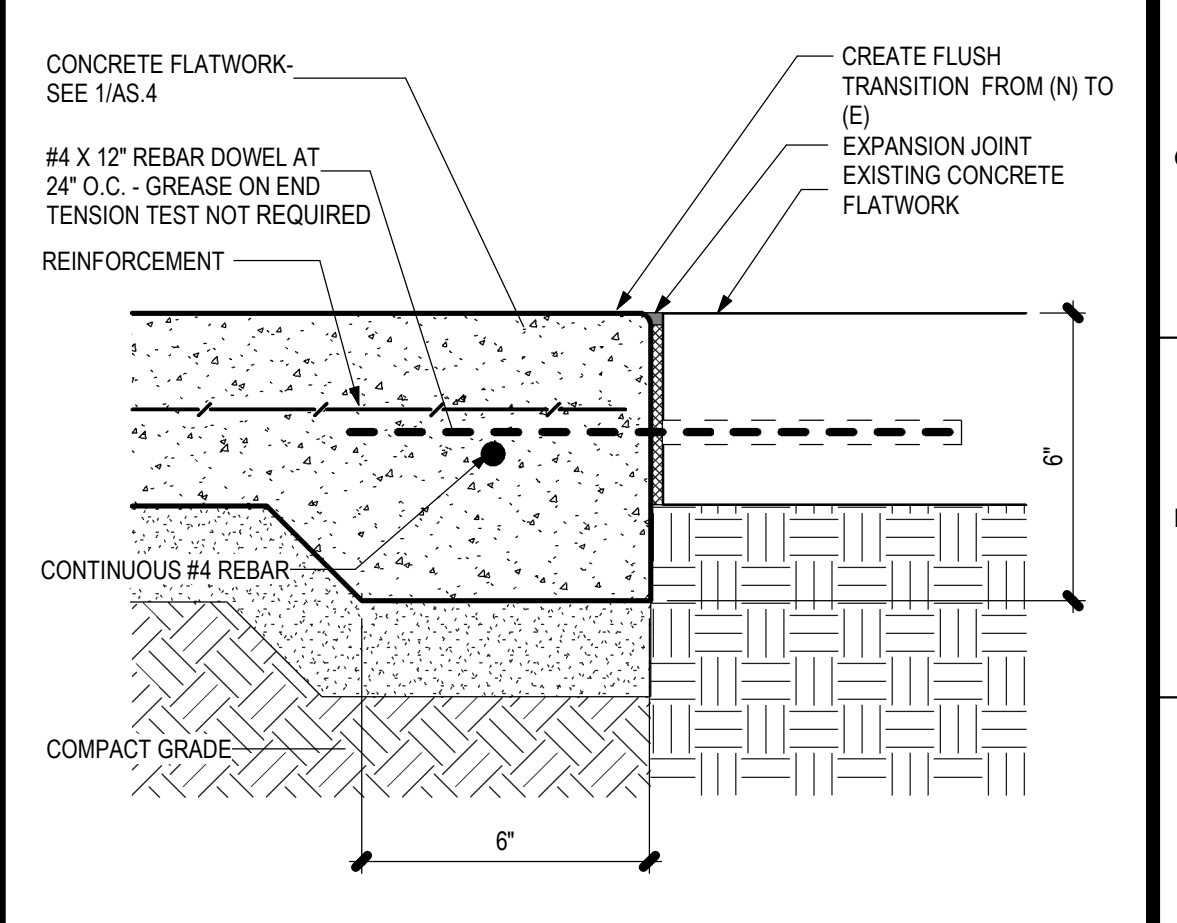
100% CONSTRUCTION DOCUMENT
(E) RESTROOM SURVEY

#	DESCRIPTION	DATE

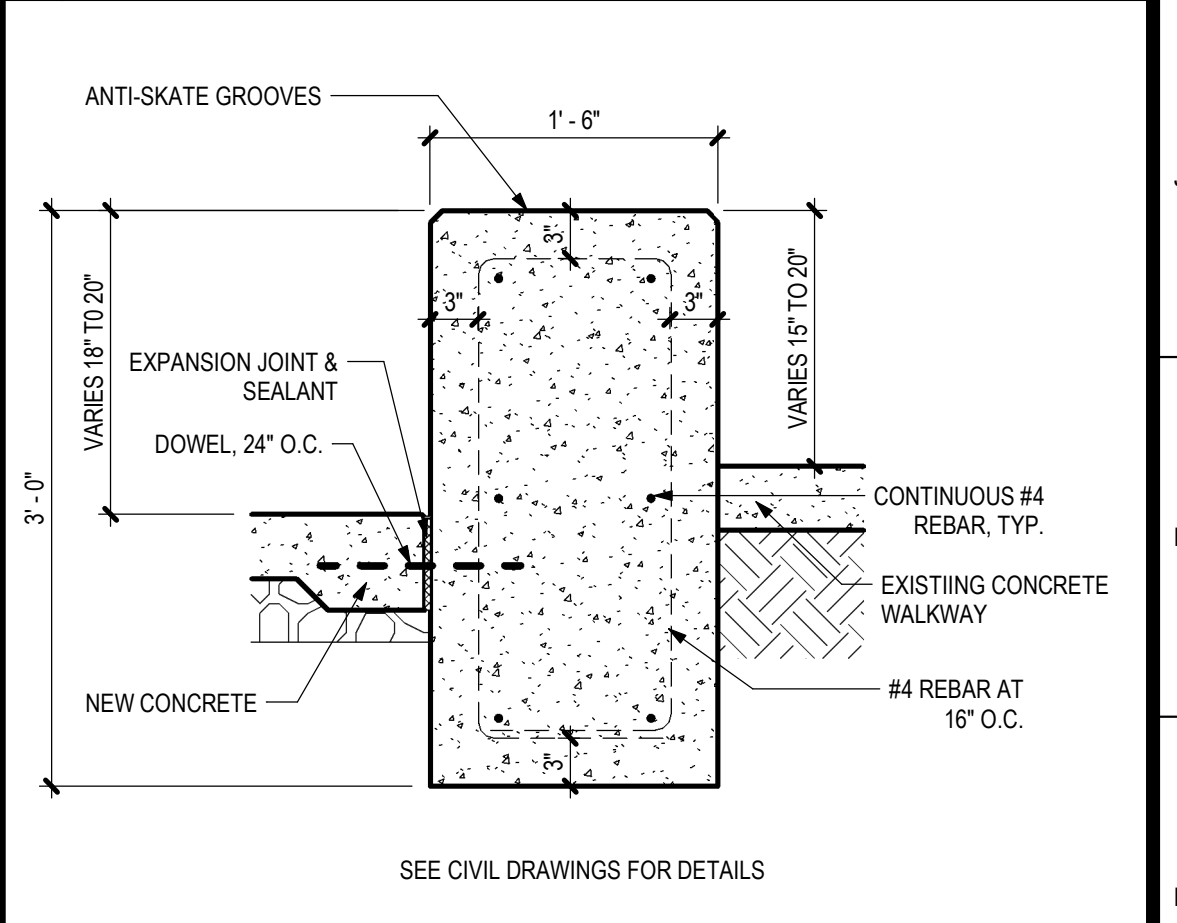
G0.30-1



1 TYPICAL CONC. FLATWORK
SCALE: 3" = 1'-0"



2 (N) TO (E) CONC. FLATWORK
SCALE: 3" = 1'-0"



3 CONCRETE SEAT WALL
SCALE: 1" = 1'-0"

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Consultants

RIPON H.S. SHADE STRUCTURES
301 NORTH ACACIA AVENUE
RIPON, CA 95366
RIPON UNIFIED SCHOOL DISTRICT
SITE DETAILS

Project Number	2609
Date	APRIL 2026
Drawn by	PTM
Checked by	JG

AS.4
Plot Date & Time 6/16/2026 1:53:22 PM

260500 ELECTRICAL WORK FOR COMMON RESULTS:

- 1. ELECTRICAL INSTALLATION SHALL COMPLY WITH TITLE 24, CALIFORNIA CODE OF REGULATIONS...
2. ELECTRICAL CONTRACTOR SHALL VERIFY POWER, TELEPHONE AND CABLE TV SERVICES AT SITE PRIOR TO BIDDING...
3. CONTRACTOR SHALL PROCURE AND PAY FOR ALL PERMITS, LICENSES, ETC. REQUIRED TO CARRY ON AND COMPLETE THE WORK...
4. PROVIDE ALL LABOR, MATERIALS, TOOLS, PLANT EQUIPMENT, TRANSPORTATION AND PERFORM ALL OPERATIONS NECESSARY FOR ANY REASONABLE INCIDENTAL TO PROPER EXECUTION AND COMPLETION OF ALL "ELECTRICAL WORK"...

- 2. ALL CONDUITS RUN WITHIN INTERIOR FINISHED SPACES SUCH AS OFFICES, BREAKROOM, RESTROOM ETC. SHALL BE RUN CONCEALED.
3. ALL CONDUITS RUN IN DEDICATED ELECTRICAL AND MECHANICAL ROOMS SHALL BE RUN EXPOSED.
4. MINIMUM CONDUIT SIZE SHALL BE 1/2" ABOVE GRADE AND 3/4" UNDERGROUND.
5. MINIMUM ACCEPTABLE CONDUITS ARE:
A. GALVANIZED RIGID STEEL - FOR USE ON: (1) EXTERIOR WALL SURFACES.
B. GALVANIZED STEEL EMT FOR USE: (1) CONCEALED IN INDOOR FINISHED SPACES. (2) EXPOSED INSIDE ELECTRICAL & MECHANICAL ROOMS.
C. LIQUID TIGHT STEEL FLEX: (1) FOR FINAL CONNECTION TO OUTDOOR EQUIPMENT. LENGTH SHALL NOT EXCEED 36". (2) FOR INDOOR FINAL CONNECTION TO HVAC EQUIPMENT. LENGTH SHALL NOT EXCEED 36".
D. FLEXIBLE STEEL CONDUIT: (1) FOR INDOOR FINAL CONNECTION TO RECESSED LIGHT FIXTURES. LENGTH SHALL NOT EXCEED 72". (2) FOR INDOOR FINAL CONNECTION TO HVAC EQUIPMENT. LENGTH SHALL NOT EXCEED 36".
E. "PVC" SCHEDULE 40: (1) FOR CONDUITS RUN UNDERGROUND AND FOR UNDER BUILDING SLAB. (2) CONDUIT STUBUPS THROUGH THE FLOOR OR GRADE SHALL BE IN PVC WRAPPED RIGID STEEL CONDUIT. PVC WRAPPING SHALL EXTEND 6" ABOVE FINISHED FLOOR OR GRADE. (3) NOT PERMITTED FOR WIRING ABOVE FINISHED FLOOR INSIDE BUILDINGS
F. ALUMINUM CONDUITS, IMC CONDUITS OR ALUMINUM FITTINGS ARE NOT APPROVED FOR USE ON THIS PROJECT.
G. ALL CONDUIT FITTINGS SHALL BE MALLEABLE IRON/STEEL.
H. COUPLING: (1) EMT COUPLING - APPLETON TWC-CS SERIES (2) EMT CONNECTOR - APPLETON TW-CSE SERIES (3) FLEX CONDUIT CONNECTOR - T&B "TITE BITE", INSULATED (4) LIQUID TIGHT FLEX CONDUIT CONNECTOR - APPLETON "STB" SERIES UP TO 2", "ST" SERIES OVER 2".
I. RIGID STEEL CONDUIT CONNECTED TO BOXES AND CABINETS SHALL BE FITTED WITH TWO LOCKNUTS AND INSULATING BUSHING, OA "A" SERIES...
J. TYPE NM AND NMC CABLES SHALL NOT BE USED ON THIS PROJECT.

260551 INSTALLATION OF RACEWAYS AND FITTINGS

- 1. CONCEAL RACEWAYS WITHIN CEILINGS, WALLS, AND FLOORS EXCEPT WHERE EXPOSED RACEWAYS ARE SPECIFICALLY PERMITTED.
2. WHERE CONDUIT IS ALLOWED TO BE EXPOSED, INSTALL THE CONDUIT PARALLEL WITH OR AT RIGHT ANGLES TO STRUCTURAL MEMBERS, WALLS, AND LINES OF THE BUILDING.
3. INSTALL WHERE INDICATED, OR AS REQUIRED BY CODE, PULLBOXES AND JUNCTION BOXES OF SUFFICIENT SIZE TO FACILITATE WIRING. BOXES SHALL BE SIZED TO PROPERLY ACCOMMODATE ALL CONDUCTORS ENTERING SAME.
4. DO NOT INSTALL CONDUIT OR TUBING WHICH HAS BEEN CRUSHED OR DEFORMED.
5. RUN CONDUCTORS OF SAME CIRCUIT IN SAME CONDUIT. RUN CONDUCTORS OF DIFFERENT VOLTAGE SYSTEMS IN SEPARATE CONDUITS.
6. INSTALL NO CONDUCTORS UNTIL WORK WHICH MIGHT CAUSE DAMAGE TO SUCH CONDUCTORS OR THE CONDUIT HAS BEEN COMPLETED.
7. KEEP ALL CONDUITS AT LEAST SIX INCHES AWAY FROM THE COVERING ON HOT WATER OR STEAM PIPES.
8. CAP RACEWAY ENDS DURING CONSTRUCTION. CLEAN OR REPLACE CONDUITS IN WHICH WATER OR FOREIGN MATTER HAVE ACCUMULATED, TO THE SATISFACTION OF THE ARCHITECT.
9. CONDUITS SHALL BE SUPPORTED WITH STRAPS, WITH GALVANIZED MALLEABLE SPLIT RING AND ROD FOR INDIVIDUAL RUNS OR WITH KINDORF OR UNISTRUT CHANNEL SUPPORTS FOR MULTIPLE RUNS. DISTANCE BETWEEN SUPPORTS SHALL NOT EXCEED 10 FEET. CONDUITS SHALL BE SUPPORTED INDEPENDENTLY OF ONE ANOTHER.
10. CONDUITS CONNECTED TO BOXES AND CABINETS SHALL BE FITTED WITH TWO LOCKNUTS AND INSULATED BUSHING, OA "A" SERIES.
11. CONDUITS NOT CONNECTED WITH LOCKNUTS AND BUSHINGS SHALL BE FITTED WITH GROUNDING BUSHING, OZ "BL" SERIES, U. L. APPROVED AND BONDED.
12. CONDUIT STRAPS FOR INDIVIDUAL RUNS SHALL BE SECURED BY TOGGLE BOLTS ON HOLLOW MASONRY, EXPANSION ANCHORS ON SOLID CONCRETE OR MASONRY, MACHINE SCREWS OR BOLTS ON METAL SURFACES AND WOOD SCREWS ON WOOD CONSTRUCTION. THE USE OF NAILS TO ANCHOR STRAPS ON WOOD CONSTRUCTION IS PROHIBITED. STRAPS SHALL BE TWO HOLE MALLEABLE IRON OR SNAP-TYPE STEEL WITH RIBBED BACK, GALVANIZED OR CADMIUM PLATED. THE USE
13. PLACEMENT OF ALL BOXES SHALL BE GOVERNED BY APPLICABLE ARCHITECTURAL AND STRUCTURAL REQUIREMENTS.
14. CONDUIT FITTINGS: EXCEPT WHERE OTHERWISE NOTED, CONDUIT FITTINGS SHALL BE APPLETON OR APPROVED EQUAL. UNILETS SHALL BE MALLEABLE IRON AND FITTED WITH COVERS AND GASKETS.
15. TELEPHONE AND SIGNAL CONDUIT BENDS WHERE REQUIRED SHALL HAVE A RADIUS OF TEN TIMES THE CONDUIT TRADE SIZE.
16. PROVIDE PULL TAPE IN ALL EMPTY CONDUITS.

260533 PULL OR JUNCTION BOXES:

- 1. INSTALL WHERE INDICATED, OR AS REQUIRED BY CODE, PULL BOXES AND JUNCTION BOXES OF SUFFICIENT SIZE AND CAPACITY TO FACILITATE ALL WIRING. BOXES SHALL BE SIZED TO PROPERLY ACCOMMODATE ALL CONDUCTORS ENTERING SAME.
2. BOXES SHALL BE OF THE SHAPE AND SIZE BEST SUITED FOR THE PARTICULAR APPLICATION AND SHALL BE SUPPORTED DIRECTLY TO STRUCTURAL MEMBERS, FRAMING OR BLOCKING BY MEANS OF SCREWS, ANCHORS, BOLTS OR EMBEDDED IN MASONRY.
A. SWITCH AND RECEPTACLE BOX SHALL BE ONE PIECE DRAWN OR STAMPED STEEL BOXES MINIMUM SIZE SHALL BE FOUR INCHES (4") SQUARE. BOXES SHALL BE FITTED WITH FLUSH DEVICE COVERS, PLASTER RINGS, OR TILE SWITCH RINGS IN MASONRY IN AREA WHERE EXPOSED WIRING IS PERMISSIBLE, BOXES SHALL BE FITTED WITH SURFACE TYPE COVERS.
D. WEATHERPROOF BOXES SHALL BE APPLETON FD SERIES AND FITTED WITH GASKETED CAST COVERS.
E. VOICE/DATA OUTLET BOXES SHALL BE 4_11/16"SQ.X2_1/8" DEEP MINIMUM, FITTED WITH PLASTER RINGS.
F. BOXES FOR SPECIAL EQUIPMENT SHALL BE SUITABLE FOR THE PARTICULAR EQUIPMENT.
G. BOXES SHALL BE LOCATED AND PLACED ACCORDING TO ARCHITECTURAL AND STRUCTURAL REQUIREMENTS.

260550 WIRING METHODS: LINE VOLTAGE SYSTEMS (120V AND ABOVE):

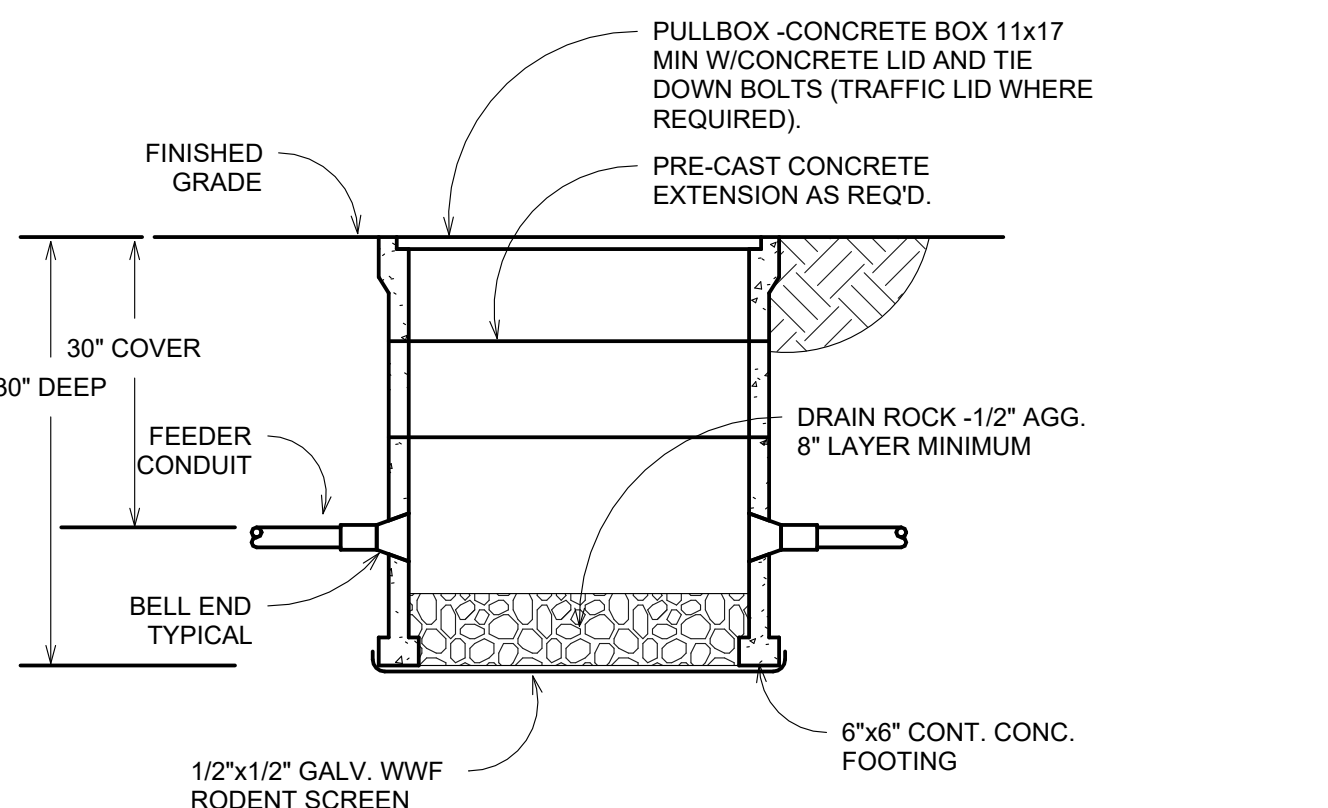
- 1. ALL WIRING SHALL BE INSTALLED IN CONDUITS. CONDUITS SHALL BE RUN CONCEALED IN WALLS AND CEILINGS WHERE FEASIBLE. ALL CONDUITS INSTALLED SURFACE ON WALL SHALL BE PAINTED TO MATCH WALL FINISH. MOUNT EXTERIOR CONDUITS ON WALL ON GALVANIZED UNISTRUTS. ALL SURFACE CONDUIT INSTALLATION/ RUNS SHALL BE APPROVED BY THE ARCHITECT PRIOR TO INSTALLATION.

260573 ARC FLASH HAZARDS:

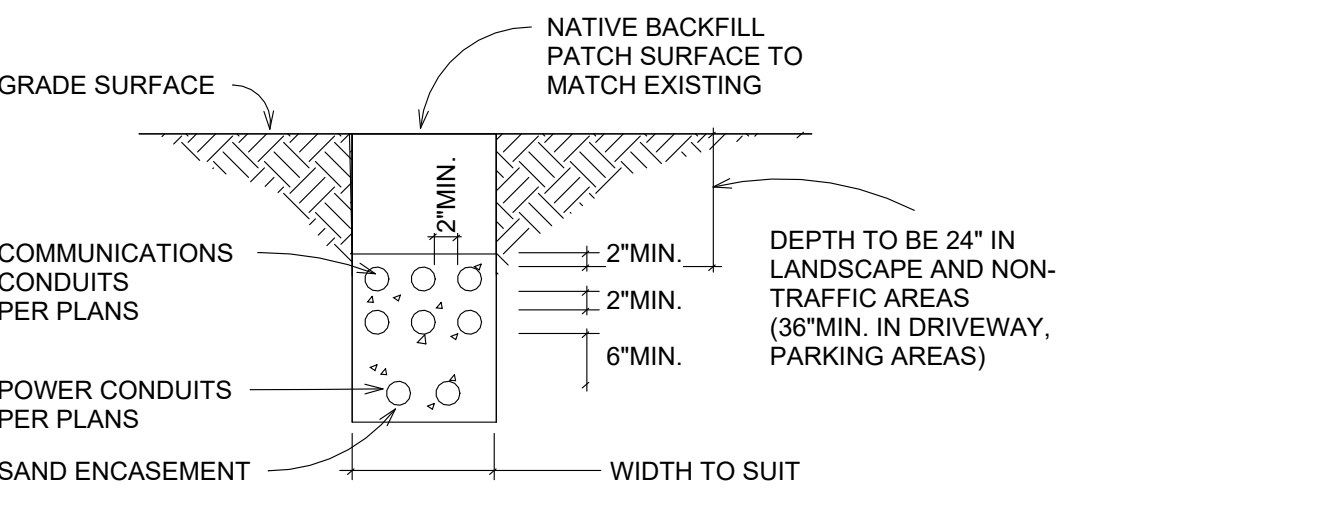
- 1. PROVIDE WARNING LABEL ON ELECTRICAL EQUIPMENT OF POSSIBLE ARC FLASH HAZARDS PER C.E.C. 110.16.
262726 WIRING DEVICES:
1. UNITS SHALL BE EQUAL TO THE DEVICES SET FORTH HEREIN, IN STANDARD COLORS (BROWN, WHITE, GREY, BEIGE OR IVORY) AS SELECTED BY THE ARCHITECT:
A. WIRING DEVICES LEVITON # HUBBELL # P & S #
DUPLX CONV. OUTLET, 15A 5262 HBL5262 5262
DUPLX CONV. OUTLET, 20A 5362 HBL5362 5362
DUPLX CONV. GFI OUTLET, 15A 6599 GF15 1595L
DUPLX CONV. GFI OUTLET, 20A 6899 GF15 2095L
2. THE CONTROLLED OUTLET SHALL HAVE PERMANENT UNIQUE MARKING PROVIDED BY THE MANUFACTURER OF THE RECEPTACLE.
3. THE MOUNTING HEIGHTS OF LIGHT SWITCHES, RECEPTACLES AND CONTROLS SHALL BE MAXIMUM 48" MEASURED TO THE TOP OF BOXES OR MINIMUM 16" TO THE BOTTOM OF BOXES. SEE "LEGEND" FOR ACTUAL MOUNTING HEIGHTS OF DEVICES. VERIFY HEIGHT WITH ARCHITECT WHERE AN ACTUAL MOUNTING HEIGHT IS NOT CALLED OUT ON PLANS.
4. SINGLE RECEPTACLE SERVED BY INDIVIDUAL 20A BRANCH CIRCUIT DEDICATED TO THE OUTLET SHALL BE 20A RATED PER CEC 210.21(B)(1). ALL OTHERS SHALL BE 15A RATED.
5. ALL 15A AND 20A, 120V OUTLETS IN KITCHEN SHALL BE GFCI PER CEC 210.8(B)(2). LOCATE SUCH OUTLETS SO THAT THEY ARE ACCESSIBLE AFTER APPLIANCES THAT ARE PLUGGED INTO THE OUTLETS ARE IN PLACE.
6. ALL RECEPTACLES INSTALLED OUTDOORS SHALL BE WEATHERPROOF AND HAVE GROUND FAULT CIRCUIT INTERRUPTER PROTECTION.
262726.02 DEVICE PLATES:
1. ALL DEVICE PLATES FOR INDOOR USE SHALL BE NYLON.
2. ALL DEVICE BOXES WHICH ARE INSTALLED IN FIRE RATED WALL ASSEMBLY AND IS PROVIDED WITH A FIRE-STOPPING PUTTY PAD SHALL HAVE A BRUSHED STAINLESS STEEL COVERPLATE IN ACCORDANCE WITH THE REQUIREMENTS OF THE PUTTY PAD.
3. DEVICE COVERS FOR SURFACE MOUNTED BOXES SHALL BE 1/2" RAISED STEEL PLATES.
4. DEVICE COVERS FOR DEVICES LOCATED IN DAMP LOCATIONS SHALL COMPLY WITH CEC 406.9(A).
5. DEVICE COVERS FOR DEVICES LOCATED IN WET LOCATIONS SHALL COMPLY WITH CEC 406.9(B).
262729 DISCONNECT SWITCHES:
1. UNITS SHALL BE HEAVY DUTY FUSED DISCONNECT SWITCHES, TWO OR THREE POLE TYPE, WHERE INDICATED ON THE DRAWINGS, OR AS REQUIRED BY CODE. SWITCHES AND FUSES SHALL BE AS REQUIRED BY THE LOADS SERVING.
2. DISCONNECTS FOR FRACTIONAL HORSE POWER MOTORS SHALL BE MOTOR-RATED TOGGLE TYPE DISCONNECTS.
3. DISCONNECTS FOR SINGLE PHASE MOTORS SHALL BE SINGLE PHASE AND NOT THREE PHASE.
4. LOCATE DISCONNECTS IN ACCORDANCE WITH CEC 430.102. ENSURE ALL CODE-REQUIRED CLEARANCES.

265100 LIGHTING:

- 1. ALL LUMINARIES SHALL BE CERTIFIED BY THE MANUFACTURER TO THE CALIFORNIA ENERGY COMMISSION:
A. ALL LUMINARIES SPECIFIED ON THIS PROJECT SHALL BE AS NOTED IN THE "LIGHT FIXTURE SCHEDULE" ON THESE PLANS. NO SUBSTITUTES ARE PERMITTED WITHOUT WRITTEN APPROVAL OF THE ENGINEER.



1 CONCRETE PULLBOX SCALE: NTS



2 TRENCH DETAIL SCALE: NTS

3 SHADE STRUCT GND SCALE: NTS

MEP COMPONENT ANCHORAGE

APPLICABLE CODE: 2025 CBC
MEP COMPONENT ANCHORAGE NOTE
ALL MECHANICAL, PLUMBING, AND ELECTRICAL COMPONENTS SHALL BE ANCHORED AND INSTALLED PER THE DETAILS ON THE DSA-APPROVED CONSTRUCTION DOCUMENTS. THE FOLLOWING COMPONENTS SHALL BE ANCHORED OR BRACED TO MEET THE FORCE AND DISPLACEMENT REQUIREMENTS PRESCRIBED IN THE 2025 CBC SECTIONS 1617A.1.18 THROUGH 1617A.1.26 AND ASCE 7-16 CHAPTERS 13, 26, AND 30:

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

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

- 1. COMPONENTS WEIGHING LESS THAN 400 POUNDS AND HAVING A CENTER OF MASS LOCATED 4 FEET OR LESS ABOVE THE ADJACENT FLOOR OR ROOF LEVEL THAT DIRECTLY SUPPORT THE COMPONENT.
2. COMPONENTS WEIGHING LESS THAN 20 POUNDS, OR IN THE CASE OF DISTRIBUTED SYSTEMS, LESS THAN 5 POUNDS PER FOOT, WHICH ARE SUSPENDED FROM A ROOF OR FLOOR OR HUNG FROM A WALL

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

PIPING, DUCTWORK, AND ELECTRICAL DISTRIBUTION SYSTEM BRACING NOTE

PIPING, DUCTWORK, AND ELECTRICAL DISTRIBUTION SYSTEMS SHALL BE BRACED TO COMPLY WITH THE FORCES AND DISPLACEMENTS PRESCRIBED IN ASCE 7-16 SECTION 13.3 AS DEFINED IN ASCE 7-16 SECTIONS 13.6.5, 13.6.6, 13.6.7, 13.6.8, AND 2025 CBC, SECTIONS 1617A.1.24, 1617A.1.25 AND 1617A.1.26.

THE METHOD OF SHOWING BRACING AND ATTACHMENTS TO THE STRUCTURE FOR THE IDENTIFIED DISTRIBUTION SYSTEM ARE AS NOTED BELOW. WHEN BRACING AND ATTACHMENTS ARE BASED ON A REAPPROVED INSTALLATION GUIDE (E.G., HAI OPM FOR 2025 CBC OR LATER), COPIES OF THE BRACING SYSTEM INSTALLATION GUIDE OR MANUAL SHALL BE AVAILABLE ON THE JOBSITE PRIOR TO THE START OF AND DURING THE HANGING AND BRACING OF THE DISTRIBUTION SYSTEMS. THE STRUCTURAL ENGINEER OF RECORD SHALL VERIFY THE ADEQUACY OF THE STRUCTURE TO SUPPORT THE HANGER AND BRACE LOADS.

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

- MP MD PP E OPTION 1: DETAILED ON THE APPROVED DRAWINGS WITH PROJECT SPECIFIC NOTES AND DETAILS.
MP MD PP E OPTION 2: SHALL COMPLY WITH HCAI PREAPPROVAL (OPM # #)

IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT
APP: 02-124307 INC:
REVIEWED FOR
SS FLS ACS
DATE: 06/16/2026

TPH architects
TIMOTHY P. HUFF & ASSOCIATES, INC.
Timothy P. Huff, AIA Architect
519 McHenry Ave., Modesto, CA 95354
Ph: (209) 571-2232 Fax: (209) 571-1936

Professional Engineer Seal for Nathaniel E. Smith, State of California, No. E14305, Exp. 6-30-27

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Professional Engineer Seal for HCS Engineering, Inc., State of California, No. E14305, Exp. 6-30-27

HCS Engineering inc.
4512 Feather River Dr #F, Stockton, CA 95219
209-478-8270 | www.hcs-eng.com

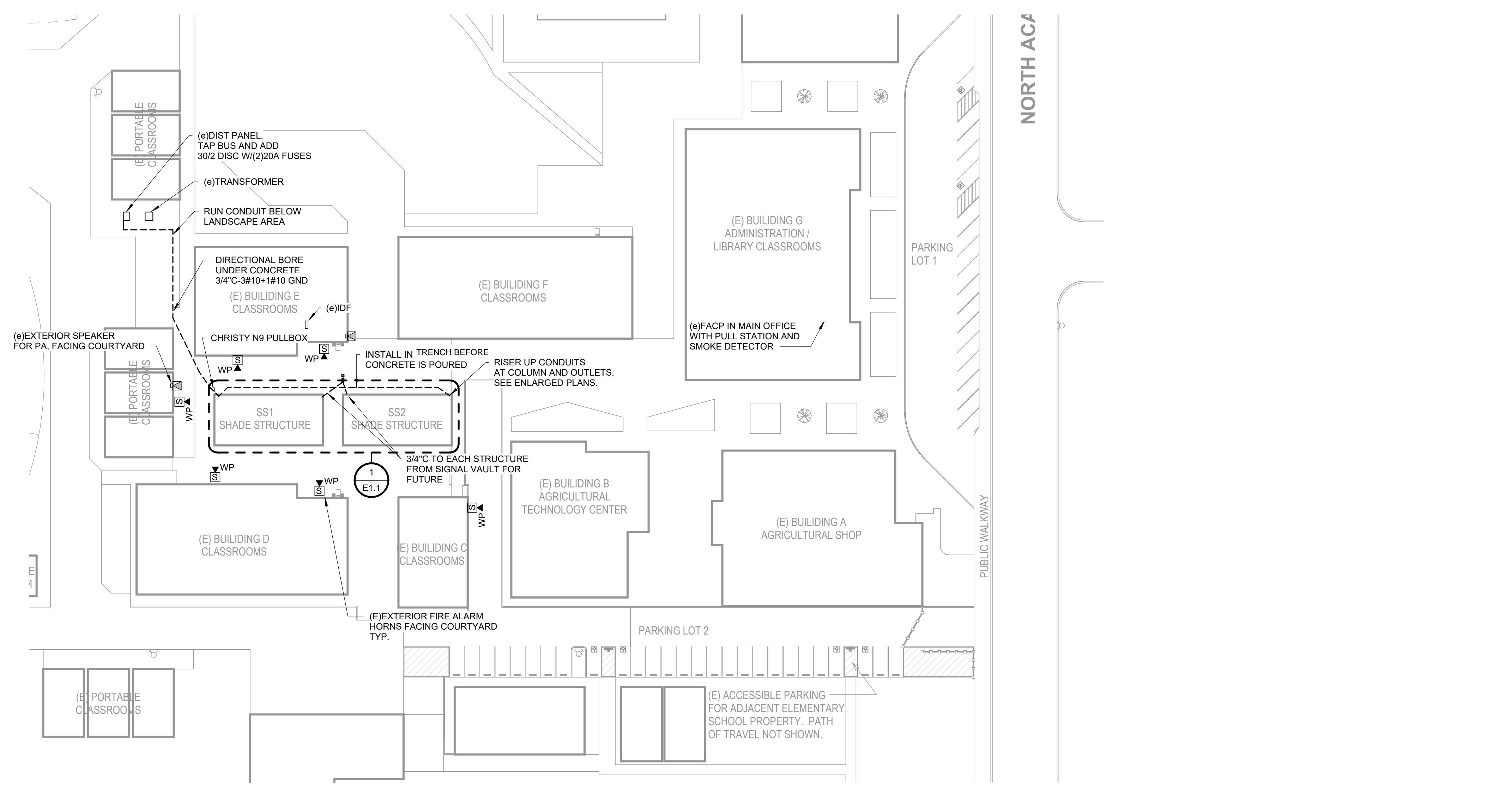
RIPON H.S. SHADE STRUCTURES
301 NORTH ACACIA AVENUE
RIPON, CA 95366
RIPON UNIFIED SCHOOL DISTRICT
GENERAL NOTES, ELECTRICAL DETAILS

Table with 2 columns: Field, Value. Project Number: 2609, Date: APRIL 2026, Drawn by: Author, Checked by: Checker

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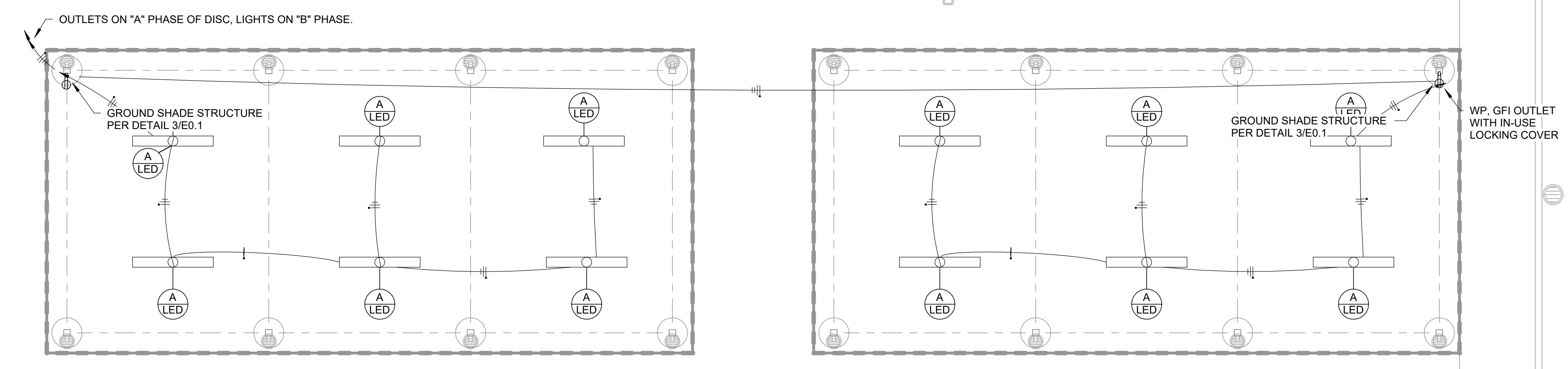
C:\Users\rcsm\Box\2022\lph_ripon_shade\RiponShade Electrical.rvt

ELECTRICAL LEGEND	
	LIGHTING FIXTURES LINEAR FIXTURE SQUARE = RECESSED CIRCLE = SURFACE TASK LIGHT OR STRIP LIGHT DOWNLIGHT, SQUARE = RECESSED WALL MOUNT CEILING EXHAUST FAN POLE MOUNT AREA LIGHT EMERGENCY LIGHTING EXIT SIGN WITH 90 MIN BATTERY BACKUP WALL MOUNT EMERGENCY LIGHT WITH 90 MIN BATTERY BACK EXTERIOR LANDING EMERGENCY LIGHT. CONNECT TO INTERIOR EXIT SIGN FOR POWER.
	ELECTRICAL POWER ALL LINE VOLTAGE WIRING IN CONDUIT. SEE GENERAL NOTES TICKS = # OF #12 WIRE. SHORT = HOT, LONG = NEUTRAL, DOT = GROUND, UNLESS NOTED OTHERWISE 120V OUTLET, +18" TO BOTTOM OF BOX S = SIGN F = FLOOR GFI = GROUND FAULT INTERRUPTER JUNCTION BOX MOTOR / DISCONNECT PANELBOARD TRANSFORMER / SWITCHBOARD AS NOTED
	COMMUNICATIONS TELEPHONE BACKBOARD, PROVIDE #8 GND TO SERVICE GROUND COMMUNICATIONS OUTLET, PHONE & DATA PHONE ONLY OUTLET, PREWIRED WITH CAT 6 CABLE DATA ONLY OUTLET JACK, PREWIRED WITH CAT 6 CABLE IP SPEAKER CLOCK SPEAKER (IP BASED) WIRELESS ACCESS POINT TEACHER STATION HDMI CONNECTOR IN FLUSH WALL PLATE TV EXIST WITH COAX OUTLET, NEW WITH 2 DATA AND HDMI
	DRAFTING NOTATIONS KEY NOTE, SEE SCHEDULE EQUIPMENT TAG, SEE SCHEDULE REFERENCE TO A DETAIL VIEW "A" ON SHEET E-2 NEW ELECTRICAL CONDUIT AND WIRE EXISTING DEVICE, TO REMAIN IN OPERATION REMOVE DEVICE, KEEP REMAINDER OF CIRCUIT IN OPERATION REMOVE, RELOCATE AND RECONNECT DEVICE ON EXISTING CIRCUIT, EXTEND CIRCUIT
	FIRE ALARM TSP#16 ADDRESSIBLE INPUT CIRCUIT #2#14 HARD WIRED NON-ADDRESSIBLE CIRCUITS #2#12 VISUAL CIRCUIT #2#14/SHIELDED AUDIBLE CIRCUIT FIRE ALARM CONTROL PANEL (FACP) SMOKE DETECTOR COMBINATION SMOKE /CO DETECTOR DUCT SMOKE DETECTOR HEAT DETECTOR HEAT DETECTOR IN ATTIC (194 DEGREE) CARBON MONOXIDE DETECTOR STROBE COMBINATION SPEAKER/STROBE EXTERIOR HORN PULL STATION INPUT MODULE TONE GENERATOR RISER MONITOR MODULE
	ELECTRICAL ABBREVIATIONS: AL = ALUMINUM A = AMPERAGE AIC = AMPS INTERRUPTING CAPACITY AFF = ABOVE FINISHED FLOOR AFG = ABOVE FINISHED GRADE CKT = CIRCUIT CO = CONDUIT ONLY CU = COPPER EC = ELECTRICAL CONTRACTOR GC = GENERAL CONTRACTOR GFI = GROUND FAULT INTERRUPTER GND = GROUND KW = KILOWATT KVA = KILO-VOLT-AMPERE LC = LIGHTING CONTACTOR NO = NUMBER NL = NIGHT LIGHT PB = PULL BOX SP = SPACE UG = UNDERGROUND UON = UNLESS OTHERWISE NOTED V = VOLT WP = WEATHERPROOF
	FIRE ALARM ABBREVIATIONS: CD = CANDELLA DSD = DUCT SMOKE DETECTOR EOL = END OF LINE RESISTOR NAC = NOTIFICATION POWER SUPPLY PIW = POST INDICATOR VALVE TS = TAMPER SWITCH WF = WATER FLOW SWITCH WP = WEATHERPROOF
	MARKINGS: ### = CIRCUIT "a" DEVICE ### 15CD = 15 CANDELLA VISUAL DEVICE 1/2W = 1/2 WATT AUDIBLE DEVICE



2 ELECTRICAL SITE PLAN

SCALE: 1" = 40'-0"



1 ELECTRICAL PLAN

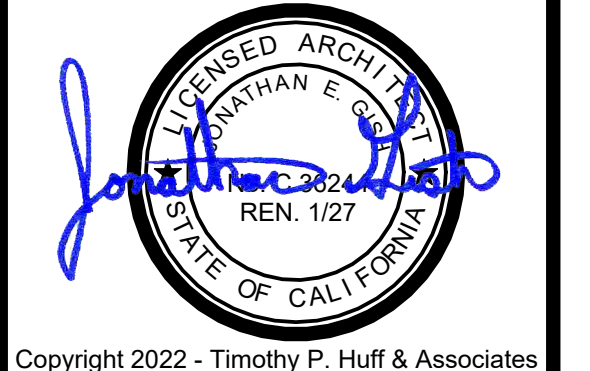
SCALE: 1/8" = 1'-0"

FIXTURE SCHEDULE						
Type Mark	Lamp	Description	Manufacturer	Model	Apparent Load	Weight
A	LED	8' LED WRAP WITH INTERNAL PHOTOCELL AND MOTION SENSING. DIMMING TO 30% WHEN UNOCCUPIED AT NIGHT.	LITHONIA	CSVT L96 ALO4 LPPFL MD 120 GZ10 40K 80CRI SSE PIRKO P	43 VA	10

IDENTIFICATION STAMP
 DIV. OF THE STATE ARCHITECT
 APP: 02-124307 INC:
 REVIEWED FOR
 SS FLS ACS
 DATE: 06/16/2026

TPH
 architects

TIMOTHY P. HUFF & ASSOCIATES, INC.
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 519 McHenry Ave., Modesto, CA 95354
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Consultants

RIPON H.S. SHADE STRUCTURES
 301 NORTH ACACIA AVENUE
 RIPON, CA 95366
 RIPON UNIFIED SCHOOL DISTRICT
ELECTRICAL CONSTRUCTION DETAILS

Project Number 2609
 Date APRIL 2026
 Drawn by Author
 Checked by Checker

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STATE OF CALIFORNIA
Outdoor Lighting CALIFORNIA ENERGY COMMISSION
 CERTIFICATE OF COMPLIANCE NRCC-LTO-E
 Project Name: RIPOIN HIGH CANOPY Report Page: (Page 3 of 7)
 Date Prepared: 5/13/2026

F. OUTDOOR LIGHTING FIXTURE SCHEDULE
 For new or altered lighting systems demonstrating compliance with §140.7 / §170.2(e)6 all new luminaires being installed and any existing luminaires remaining or being moved within the spaces covered by the permit application are included in the Table below. For altered lighting systems using the Existing Power method per §141.0(b)2L only new luminaires being installed and replacement luminaires being installed as part of the project scope are included (i.e. existing luminaires remaining or existing luminaires being moved are not included). Outdoor lighting attached to multifamily buildings and controlled from the inside of a dwelling unit are included in Table I, and are not included here. All other multifamily outdoor lighting is included here.

01	02	03	04	05	06	07	08	09	10
Name or Item Tag	Complete Luminaire Description	Watts per luminaire ²	How is Wattage determined	Total Number Luminaires ²	Luminaire Status ³	Excluded per §140.7(a) / §170.2(e)6A	Design Watts	Cutoff Req. > 6,200 Initial lumen output §130.2(b) / §160.5(c)1 ⁴	Field Inspector Pass Fail
A	8' LED WRAP <input type="checkbox"/> Linear	43	Mfr. Spec	12	New	<input type="checkbox"/>	516	NA: < 6200 lumens	<input type="checkbox"/> <input type="checkbox"/>
Total Design Watts:							516		

* NOTES: Selections with a * require a note in the space below explaining how compliance is achieved.
 EX: Luminaire is lighting a statue; EXCEPTION 2 to §130.2(b)
¹ FOOTNOTES: Authority Having Jurisdiction may ask for luminaire cut sheets to confirm wattage used for compliance per §130.0(c) / §160.5(b)
² For linear luminaires, wattage should be indicated as W/ft instead of Watts/luminaire. Total linear feet should be indicated in column 05 instead of number of luminaires.
³ Select "New" for new luminaires in a new outdoor lighting project, or for added luminaires in an alteration. Select "Altered" for replacement luminaires in an alteration. Select "Existing to Remain" for existing luminaires within the project scope that are not being altered and are remaining. Select "Existing Reinstalled" for existing luminaires which are being removed and reinstalled as part of the project scope.
⁴ Compliance with mandatory shielding requirements is required for luminaires with initial lumen output >= 6,200 unless exempt by §130.2(b) / §160.5(c)

G. SHIELDING REQUIREMENTS (BUG)
 This section does not apply to this project.

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 Schema Version: rev 20250101 Report Generated: 2026-05-13 08:30:54

STATE OF CALIFORNIA
Outdoor Lighting CALIFORNIA ENERGY COMMISSION
 CERTIFICATE OF COMPLIANCE NRCC-LTO-E
 Project Name: RIPOIN HIGH CANOPY Report Page: (Page 6 of 7)
 Date Prepared: 5/13/2026

O. DECLARATION OF REQUIRED CERTIFICATES OF INSTALLATION
 Selections have been made based on information provided in this document. If any selection has been changed by permit applicant, an explanation should be included in Table E. Additional Remarks. These documents must be provided to the building inspector during construction and can be found online.
 Form/Title
 NRCC-LTO-E - Must be submitted for all buildings

P. DECLARATION OF REQUIRED CERTIFICATES OF ACCEPTANCE
 Selections have been made based on information provided in this document. If any selection has been changed by permit applicant, an explanation should be included in Table E. Additional Remarks. These documents must be provided to the building inspector during construction and must be completed through an Acceptance Test Technician Certification Provider (ATTCP). For more information visit: <http://www.energy.ca.gov/title24/attcp/providers.html>
 Form/Title Systems/Spaces To Be Field Verified
 NRCA-LTO-02-A - Must be submitted for all outdoor lighting controls except for alterations where controls are added to <= 20 luminaires. CANOPY

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STATE OF CALIFORNIA
Outdoor Lighting CALIFORNIA ENERGY COMMISSION
 CERTIFICATE OF COMPLIANCE NRCC-LTO-E
 Project Name: RIPOIN HIGH CANOPY Report Page: (Page 2 of 7)
 Date Prepared: 5/13/2026

C. COMPLIANCE RESULTS
 Results in this table are automatically calculated from data input and calculations in Tables F through M. Note: If any cell on this table says "COMPLIES with Exceptional Conditions" refer to Table D. Exceptional Conditions for guidance or see applicable Table referenced below.

Calculations of Total Allowed Lighting Power (Watts) §140.7 / §170.2(e)6 or §141.0(b)2L / §180.2(b)4Bv										Compliance Results	
01	02	03	04	05	06	07	08	09			
General Hardship Allowance §140.7(d)1 / §170.2(e)6 (See Table I)	Per Application §140.7(d)2 / §170.2(e)6 (See Table J)	Sales Frontage §140.7(d)2 (See Table K)	Ornamental §140.7(d)2 / §170.2(e)6 (See Table L)	Per Specific Area §140.7(d)2 / §170.2(e)6 (See Table M)	OR Existing Power Allowance §141.0(b)2L / §180.2(b)4Bv (See Table N)	Total Allowed (Watts)	Total Actual (Watts)	07 must be >= 08			
0	+	+	+	+	OR	516	516	>=	516	COMPLIES	
Shielding Compliance (See Table G for Details)										N/A	
Controls Compliance (See Table G for Details)										COMPLIES	

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

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

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STATE OF CALIFORNIA
Outdoor Lighting CALIFORNIA ENERGY COMMISSION
 CERTIFICATE OF COMPLIANCE NRCC-LTO-E
 Project Name: RIPOIN HIGH CANOPY Report Page: (Page 5 of 7)
 Date Prepared: 5/13/2026

K. LIGHTING ALLOWANCE: SALES FRONTAGE
 This section does not apply to this project.

L. LIGHTING ALLOWANCE: ORNAMENTAL
 This section does not apply to this project.

M. LIGHTING ALLOWANCE: PER SPECIFIC AREA
 This table includes areas using the wattage allowance per specific area from Table 140.7-B / Table 170.2-S. More than one specific area allowance may be taken in a single project, if applicable. However, multiple specific area allowances may not be taken for the exact same area on the site.

01	02	03	04	05	06	07	08	09	10
Area Description	Specific Area Type per Table 140.7-B	CALCULATED ALLOWANCE (Watts) Specific Area (ft ²) ¹	Allowed Density (W/ft ²)	Extra Allowance (Watts)	Luminaire Name or Item Tag	Watts per Luminaire	# of Luminaires	Design Watts	Additional Allowance (Watts)
CANOPY	NonSalesCanopy	3840	0.1	526.1	A	43	12	516	516
Total Design Watts for this Area:						516			
Total Allowance (Watts) All Areas:						516			

¹ FOOTNOTES: See Table 140.7-B / Table 170.2-S for rules for calculating the specific areas (ft²) for these additional lighting allowances.
² For luminaires indicated in Table F as linear, wattage in column 07 is W/ft instead of Watts/luminaire. Total linear feet should be indicated in column 08 instead of number of luminaires.

N. EXISTING CONDITIONS POWER ALLOWANCE (alterations only)
 This section does not apply to this project.

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STATE OF CALIFORNIA
Outdoor Lighting CALIFORNIA ENERGY COMMISSION
 CERTIFICATE OF COMPLIANCE NRCC-LTO-E
 Project Name: RIPOIN HIGH CANOPY Report Page: (Page 7 of 7)
 Project Address: 301 NORTH ACACIA AVENUE Date Prepared: 5/13/2026

DOCUMENTATION AUTHOR'S DECLARATION STATEMENT
 I certify that this Certificate of Compliance documentation is accurate and complete.

Documentation Author Name: Richard Smith, PE	Documentation Author Signature: Richard Smith, PE
Company: HCS Engineering, Inc.	Signature Date: 2026-05-13
Address: 4512 Feather River Dr #F	ES&S/ECC Certification Identification (if applicable): E14303
City/State/Zip: Stockton CA 95219	Phone: 2094788270

RESPONSIBLE PERSON'S DECLARATION STATEMENT
 I certify the following under penalty of perjury, under the laws of the State of California:

- The information provided on this Certificate of Compliance is true and correct.
- I am eligible under Division 3 of the Business and Professions Code to accept responsibility for the building design or system design identified on this Certificate of Compliance (responsible designer)
- The energy features and performance specifications, materials, components, and manufactured devices for the building design or system design identified on this Certificate of Compliance conform to the requirements of Title 24, Part 1 and Part 6 of the California Code of Regulations.
- The building design features or system design features identified on this Certificate of Compliance are consistent with the information provided on other applicable compliance documents, worksheets, calculations, plans and specifications submitted to the enforcement agency for approval with this building permit application.
- I will ensure that a completed signed copy of this Certificate of Compliance shall be made available with the building permit(s) issued for the building, and made available to the enforcement agency for all applicable inspections. I understand that a completed signed copy of this Certificate of Compliance is required to be included with the documentation the builder provides to the building owner at occupancy.

Responsible Person Name: RICHARD SMITH, PE	Responsible Person Signature: Richard Smith, PE
Responsible Person Scope: Company: HCS ENGINEERING	Date Signed: 2026-05-13
Address: 4512 FEATHER RIVER DR #F	License: E14303
City/State/Zip: STOCKTON CA 95219	Phone: 2094788270

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 Schema Version: rev 20250101 Report Generated: 2026-05-13 08:30:54

STATE OF CALIFORNIA
Outdoor Lighting CALIFORNIA ENERGY COMMISSION
 CERTIFICATE OF COMPLIANCE NRCC-LTO-E
 Project Name: RIPOIN HIGH CANOPY Report Page: (Page 1 of 7)
 Project Address: 301 NORTH ACACIA AVENUE Date Prepared: 5/13/2026

A. GENERAL INFORMATION

01 Project Location (city)	RIPOIN	04 Total Illuminated Hardscape Area (ft ²)	0
02 Climate Zone	12		
03 Outdoor Lighting Zone per Title 24 Part 1 §10.114 or as designated by Authority Having Jurisdiction (AHJ):			
<input type="checkbox"/> LZ-0: Very Low - Undeveloped Parkland <input checked="" type="checkbox"/> LZ-2: Moderate - Urban Clusters <input type="checkbox"/> LZ-4: High - Must be reviewed by CA Energy Commission for Approval			
<input type="checkbox"/> LZ-1: Low - Rural Areas <input type="checkbox"/> LZ-3: Moderately High - Urban Areas			
05 Occupancy Types within Project			
* All Other Occupancies			

B. PROJECT SCOPE
 This table includes outdoor lighting systems that are within the scope of the permit application and are demonstrating compliance using the prescriptive path outlined in §140.7 / §170.2(e)6 or §141.0(b)2L / §180.2(b)4Bv for alterations.

My Project Consists of:

<input checked="" type="checkbox"/> New Lighting System	01	Must Comply with Allowances from §140.7 / §170.2(e)6	02
<input type="checkbox"/> Altered Lighting System	03	Is your alteration increasing the connected lighting load (Watts)?	<input type="radio"/> Yes <input checked="" type="radio"/> No
04 % of Existing Luminaires Being Altered ¹		05 Sum Total of Luminaires Being Added or Altered	06 Calculation Method
<input type="checkbox"/> < 10% <input type="checkbox"/> >= 10% and < 50% <input checked="" type="checkbox"/> >= 50%			

Please proceed to Table F. Outdoor Lighting Fixture Schedule to define the project's luminaires.
¹ FOOTNOTES: % of Existing Luminaires Being Altered = (Sum Total of Luminaires Being Added or Altered / Existing Luminaires within the Scope of the Permit Application) x 100.

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STATE OF CALIFORNIA
Outdoor Lighting CALIFORNIA ENERGY COMMISSION
 CERTIFICATE OF COMPLIANCE NRCC-LTO-E
 Project Name: RIPOIN HIGH CANOPY Report Page: (Page 4 of 7)
 Date Prepared: 5/13/2026

H. OUTDOOR LIGHTING CONTROLS
 This table demonstrates compliance with controls requirements for all new or altered luminaires installed as part of the permit application. For alteration projects, luminaires which are existing to remain (ie untouched) and luminaires which are removed and reinstalled (wiring only) do not need to be included in this table even if they are within the spaces covered by the permit application.
 Outdoor lighting for nonresidential buildings, parking garages and common service areas in multifamily buildings must be documented separately from outdoor lighting attached to multifamily buildings and controlled from the inside of a dwelling unit.
 Mandatory Controls for Nonresidential Occupancies, Parking Garages & Common Areas in Multifamily Buildings

01	02	03	04	05
Area Description	Shut-Off §130.2(i)1 / §160.5(c)	Auto-Schedule §130.2(i)2 / §160.5(c)	Motion Sensor §130.2(i)3 / §160.5(c)	Field Inspector Pass Fail
CANOPY	Photocontrol	Provided	NA: Not permitted by Health or Life Safety Statute/Ordinance/Regulation	<input type="checkbox"/> <input type="checkbox"/>

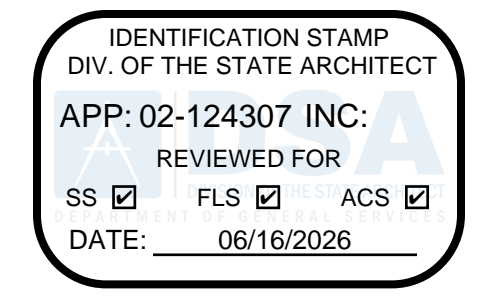
¹ FOOTNOTE: Text has been abbreviated, please refer to Table 160.5-A to confirm compliance with the specific light source technologies listed.
² Authority having jurisdiction may ask for cut sheets or other documentation to confirm compliance of light source.
³ Recessed luminaires marked for use in fire-rated installations, and recessed luminaires installed in non-insulated ceilings are exempted from I and III.

I. LIGHTING POWER ALLOWANCE (per §140.7 / §170.2(e))
 This table includes areas using allowance calculations per §140.7 / §170.2(e). General Hardship Allowance is per Table 140.7-A / Table 170.2-R while "Use it or lose it" Allowances are per Table 140.7-B / Table 170.2-S. Indicate which allowances are being used to expand sections for user input. Luminaires that qualify for one of the "Use it or lose it" allowances shall not qualify for another "Use it or lose it" allowance.
 Outdoor lighting attached to multifamily buildings and controlled from the inside of a dwelling unit are included in Table H, and are not included here. All other multifamily outdoor lighting is included here.

01 "Use it or lose it" Allowance (select all that apply) (select all that apply)	
<input type="checkbox"/> General Hardship Allowance Table I (below)	<input type="checkbox"/> Per Application Table J <input type="checkbox"/> Sales Frontage Table K <input type="checkbox"/> Ornamental Table L <input checked="" type="checkbox"/> Per Specific Area Table M

J. LIGHTING ALLOWANCE: PER APPLICATION
 This section does not apply to this project.

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Consultants

RIPOIN H.S. SHADE STRUCTURES
 301 NORTH ACACIA AVENUE
 RIPOIN, CA 95366
 RIPOIN UNIFIED SCHOOL DISTRICT
COMPLIANCE

Project Number	2609
Date	APRIL 2026
Drawn by	Author
Checked by	Checker

ET24
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DESIGN VALUES:		DESIGN VALUES ¹
DEAD AND LIVE LOADS		
ROOF LIVE LOAD		20 PSF
ROOF DEAD LOAD (SUPERIMPOSED ON FRAME) ²		LOAD SCENARIO = {1,2} DL = (3.5 PSF 2.0 PSF)
ALLOWABLE SOIL PRESSURE^{3, 5}		
SPREAD PAD		
VERTICAL BEARING: DL + Lr + SEISMIC (CONCRETE FOOTING)		1500 PSF
LATERAL COHESION: DL + Lr + SEISMIC (CONCRETE FOOTING)		130 PSF
DRILLED PIER		
SKIN FRICTION (DOWN): DL + Lr + SEISMIC (CONCRETE FOOTING) PER 1810A.3.3.1.5		167 PSF
SKIN DRICITION (UPLIFT): DL + Lr + SEISMIC (CONCRETE FOOTING) PER 1810A.3.3.1.5		83 PSF
LATERAL BEARING: DL + Lr + SEISMIC (CONCRETE FOOTING) PER 1810A.3.3.2		100 PSF/FT
ROOF SNOW LOAD⁶		
GROUND SNOW LOAD, Pg		10 PSF
RISK CATEGORY		II
ROOF SNOW LOAD: [] FLAT, Pf OR [] LOW SLOPE, Pm OR [X] SLOPED, Ps		10 PSF
SNOW ROOF SLOPE FACTOR, Cs		1
SNOW EXPOSURE FACTOR, Ce		1.2
SNOW LOAD IMPORTANCE FACTOR, Is		1.0
THERMAL FACTOR, Ct		1.2
DRIFT SURCHARGE LOAD, Pd		0 PSF
DISTANCE FROM ADJACENT STRUCTURE, Pg = 0 PSF		4 IN
DISTANCE FROM ADJACENT STRUCTURE, Pg > 0 PSF		20 FT
ICE LOAD		0 PSF
FLOOD DESIGN		
FLOOD HAZARD AREA		NO
WIND DESIGN⁴		
BASIC WIND SPEED (3 SECOND GUST), Vwft		110 MPH
EXPOSURE CATEGORY		C
TOPOGRAPHIC FACTOR, Kzt (1 MINIMUM)		1
INTERNAL PRESSURE COEFFICIENT, Gcpi (IF APPLICABLE)		0.0
CLEAR WIND FLOW		YES
OBSTRUCTED WIND FLOW		YES
SEISMIC DESIGN⁴		
LATERAL FORCE-RESISTING SYSTEM		STEEL ORDINARY CANTILEVER COLUMN SYSTEM
ANALYSIS PROCEDURE		EQUIVALENT LATERAL FORCE PROCEDURE
SEISMIC DESIGN CATEGORY (SDC)		E
SEISMIC IMPORTANCE FACTOR, Ie		1.0
DESIGN BASE SHEAR, V		Cs x W
SEISMIC RESPONSE COEFFICIENT, Cs		LOAD SCENARIO = {1,2} Cs = (0.90, 1.32)
RESPONSE MODIFICATION FACTOR, R		1.25
SITE CLASS ⁷		0
REDUNDANCY FACTOR, p		1.3
MAPPED SPECTRAL RESPONSE ACCELERATION AT SHORT PERIOD, Ss - USED TO DETERMINE Cs		LOAD SCENARIO = {1,2} Ss = (1.406, 2.063)
SHORT-PERIOD SITE COEFFICIENT, Fa		1.2
DESIGN SPECTRAL RESPONSE ACCELERATION AT SHORT PERIOD, Sds - USED TO DETERMINE Cs		LOAD SCENARIO = {1,2} Sds (MAX) = (1.125, 1.650)
MAPPED SPECTRAL RESPONSE ACCELERATION AT 1 SECOND PERIOD, S1		LOAD SCENARIO = {1,2} S1 = (0.844, 1.07)
LONG-PERIOD SITE COEFFICIENT, Fv		2.0
DESIGN SPECTRAL RESPONSE ACCELERATION AT 1 SECOND PERIOD, Sd1		LOAD SCENARIO = {1,2} Sd1 = (1.125, 1.427)
HORIZONTAL OR VERTICAL IRREGULARITIES TYPE(S)		NONE

- IF SITE-SPECIFIC DESIGN CRITERIA ARE OUTSIDE THE LIMITS OF THESE PC DRAWINGS, CONTACT POLYGON ENGINEERING TO SEE IF AN ENGINEERING LETTER, SUPPLEMENTAL DRAWINGS, AND/OR CALCULATIONS COULD BE SUBMITTED FOR A SITE SPECIFIC SOLUTION. ANY SITE-SPECIFIC DEVIATION FROM THIS PC MAY NOT BE SUBMITTED TO DSA AS AN OVER-THE-COUNTER.
- STRUCTURE IS NOT DESIGNED TO SUPPORT SOLAR PANELS. STRUCTURE IS NOT DESIGNED TO SUPPORT SPRINKLER SYSTEMS IN LOAD SCENARIO 2 REGIONS.
- GEHAZARD REPORTS ARE REQUIRED IF THE AREA COVERED UNDER THE ROOF EXCEEDS 4000 SQ FT OR IS LOCATED WITHIN STATE OR LOCAL GEOLOGIC HAZARD ZONE, VERIFY SUBMITAL AND APPROVAL OF A GEOHAZARD REPORT BY CGS PRIOR TO DSA SITE APPLICATION.
- STRUCTURAL SEPARATION BETWEEN ADJACENT STRUCTURES: REK 20= 4.5" REK 30= 3.0" STRUCTURAL SEPARATION BETWEEN EXISTING STRUCTURES: REK 20= 5.25" REK 30= 4.0"
- WHEN PLACING MULTIPLE CANOPIES WITH PIER FOOTINGS ADJACENT TO ONE ANOTHER, THE DESIGN MAY REQUIRE ANALYSIS OF GROUP EFFECTS ON THE FOUNDATIONS, THE MINIMUM CLEARANCE BETWEEN CENTER OF PIERS IS EIGHT TIMES PIER DIAMETER WITHOUT AN ACCOMPANYING ENGINEERING LETTER
- SITE APPLICATION DESIGN PROFESSIONAL AND DSA REVIEWER SHALL VERIFY THE STRUCTURE TO BE LOCATED AT LEAST 20 FT FROM ANY HIGHER ADJACENT STRUCTURE IF GROUND SNOW LOAD IS GREATER THAN ZERO.
- DESIGN COMPLIES WITH THE CONDITIONS OF EXCEPTION 1 OF ASCE 7-16 SECTION 11.4.8, ITEM 2.
- APPROVED FIRE APPARATUS ACCESS ROADS SHALL EXTEND TO WITHIN 150 FEET OF ALL PORTIONS OF THE PERIMETER OF THE STRUCTURE PER CFC 303.1.1.

ARCHITECTURAL REQUIREMENTS:

DESCRIPTION	DESIGN VALUES
TYPE OF CONSTRUCTION	II B
NUMBER OF STORIES	1
FIRE SPRINKLER SYSTEM	NOT BY POLYGON

RELATED BUILDING CODES AND STANDARDS:

TITLE 24 CODES:
2022 California Administrative Code (CAC).....(Part 1, Title 24, CCR)
2022 California Building Code (CBC), Volumes 1 and 2 (Part 2, Title 24, CCR)
2022 International Building Code with 2022 California amendments
2022 California Electrical Code (CEC).....(Part 3, Title 24, CCR)
2020 National Electrical Code with 2022 California amendments
2022 California Mechanical Code (CMC).....(Part 4, Title 24, CCR)
2021 Uniform Mechanical Code with 2022 California amendments
2022 California Plumbing Code (CPC).....(Part 5, Title 24, CCR)
2021 Uniform Plumbing Code with 2022 California amendments
2022 California Energy Code.....(Part 6, Title 24, CCR)
2022 California Fire Code (CFC).....(Part 9, Title 24, CCR)
2021 International Fire Code with 2022 California Amendments
2022 California Existing Building Code (CEBC).....(Part 10, Title 24, CCR)
2022 California Green Building Standards Code.....(Part 11, Title 24, CCR)
2022 California Referenced Standards Code.....(Part 12, Title 24, CCR)
Title 19 CCR, Public Safety, State Fire Marshal Regulations

REFERENCE CODE SECTIONS FOR APPLICABLE STANDARDS:
2022 CBC, CHAPTER 35
2022 CFC, CHAPTER 80

SCOPE OF WORK NARRATIVE:

THESE DRAWINGS ILLUSTRATE THE FABRICATION AND INSTALLATION REQUIREMENTS FOR A FREE-STANDING PREFABRICATED STEEL SHADE STRUCTURE. THE ENTIRE STRUCTURAL SYSTEM IS COMPRISED OF TUBULAR STEEL MEMBERS SUPPORTED ON CONCRETE FOUNDATIONS. THE FLEXIBILITY ALLOWED HEREIN ALLOWS THIS STRUCTURE TO COMPLY WITH A WIDE VARIETY OF PROJECT SITES AND LOADING REQUIREMENTS.

INSTRUCTIONS FOR ARCHITECTS PLANNING TO SUBMIT THESE PRE-CHECKED DRAWINGS TO DSA:

STEP 1 PROJECT INFORMATION			
PROJECT NAME	RIPON HIGH SCHOOL: SHADE STRUCTURES		
SCHOOL DISTRICT	RIPON UNIFIED SCHOOL DISTRICT		
USE AND OCCUPANCY CLASSIFICATION	A-3 (TABLES AND CHAIRS)	(PROPOSED OCCUPANCY: A1, A2, A3, A4, A5, B, E)	
OCCUPANT LOAD FACTOR	15	(15 SQFT/PERSON MAX; 5 SQFT/PERSON MIN FOR ANY A OCCUPANCY 20 SQFT/PERSON MAX FOR B OR E OCCUPANCY)	
TOTAL ROOF AREA	1,860 S.F.	(MAXIMUM 4500 SQFT FOR ANY A OCCUPANCY, 10,000 SQFT FOR B OCCUPANCY, AND 5000 SQFT FOR E OCCUPANCY)	
NUMBER OF OCCUPANTS	124	(MAXIMUM 300 FOR ANY A OCCUPANCY, 500 FOR B OCCUPANCY, AND 250 FOR E OCCUPANCY)	

STEP 2 DESIGN OPTION			
ROOF DECK	<input checked="" type="checkbox"/> MULTI-RIB		DEFAULT, WEIGHT 1.8 PSF
	<input type="checkbox"/> STANDING SEAM (SS)		WEIGHT 1.8 PSF
GUTTERS	<input type="checkbox"/> NO		DEFAULT
	<input checked="" type="checkbox"/> YES		SEE REK7.0 FOR DETAILS
ELECTRICAL ACCESS	<input type="checkbox"/> NO		DEFAULT
	<input checked="" type="checkbox"/> YES		SEE REK7.1 FOR DETAILS
CLEAR HEIGHT	<input type="checkbox"/> 8'		DEFAULT
	<input checked="" type="checkbox"/> 10' OTHER		10' MAX

STEP 3 SEISMIC ACCELERATION				
Ss	0	8	6	0 (g)
S1	0	2	8	0 (g)

STEP 4 SEISMIC REGIONS			
0.000 < Ss <= 1.406	S1 <= 0.844	<input checked="" type="checkbox"/> WHITE	3.5 PSF MAX DEAD LOAD
1.406 < Ss <= 2.063	S1 <= 1.070	<input type="checkbox"/> GREEN	2.0 PSF MAX DEAD LOAD

STEP 5 TOTAL ROOF DEAD LOAD				
ROOF DECK	1	8	PSF	SEE STEP 2 "ROOF DECK FOR WEIGHTS"
COLLATERAL	1	7	PSF	LIGHTING, FIRE SUPPRESSION, ETC.
TOTAL	3	5	PSF	ADD "ROOF DECK" AND "COLLATERAL"

STEP 6 LOAD SCENARIO			
WHITE	TOTAL ROOF DEAD LOAD <= 3.5 PSF	<input checked="" type="checkbox"/> LOAD SCENARIO 1	
GREEN	TOTAL ROOF DEAD LOAD < 2.0 PSF	<input type="checkbox"/> LOAD SCENARIO 2	

STEP 7 PC STRUCTURE			
ROOF WIDTH <= 20		<input type="checkbox"/> REK 20	
20 < ROOF WIDTH <= 30		<input checked="" type="checkbox"/> REK 30	

STEP 8 STRUCTURE SIZE							
REK 20				REK 30			
ROOF WIDTH	<input type="checkbox"/> 20'	DEFAULT	<input checked="" type="checkbox"/> 30'		DEFAULT		
	<input type="checkbox"/> OTHER 10' MIN, 20' MAX		<input type="checkbox"/> OTHER		20'-6" MIN; 30' MAX		
ROOF LENGTH	<input type="checkbox"/> 144'	2 BAYS	<input type="checkbox"/> 144'		2 BAYS		
	<input type="checkbox"/> 164'	3 BAYS	<input type="checkbox"/> 164'		3 BAYS		
	<input type="checkbox"/> 184'	4 BAYS	<input type="checkbox"/> 184'		4 BAYS		
	<input type="checkbox"/> OTHER		<input checked="" type="checkbox"/> 62' OTHER		3 BAYS		

STEP 9 FOUNDATION TYPE			
FOUNDATION TYPE	REK 20		REK 30
	<input type="checkbox"/> SPREAD PAD	<input type="checkbox"/> DRILLED PIER	<input type="checkbox"/> SPREAD PAD <input checked="" type="checkbox"/> DRILLED PIER

STEP 10 FOUNDATION SUMMARY							
REK 20		REK 30		REK 30		REK 30	
<input type="checkbox"/> LOAD SCENARIO 1	SPREAD PAD	<input type="checkbox"/> LOAD SCENARIO 1	DRILLED PIER	<input type="checkbox"/> LOAD SCENARIO 1	SPREAD PAD	<input checked="" type="checkbox"/> LOAD SCENARIO 1	DRILLED PIER
<input type="checkbox"/> LOAD SCENARIO 2	PAD	<input type="checkbox"/> LOAD SCENARIO 2	DRILLED PIER	<input type="checkbox"/> LOAD SCENARIO 2	SPREAD PAD	<input type="checkbox"/> LOAD SCENARIO 2	DRILLED PIER

STEP 11 SHEET INDEX												
BASE FRAME	REK 20 SHEET INDEX						REK 30 SHEET INDEX					
	MR	DRILLED PIER	MR	DRILLED PIER	SS	DRILLED PIER	MR	DRILLED PIER	SS	DRILLED PIER	DRILLED PIER	
ROOF DECK												
FOUNDATION TYPE	<input type="checkbox"/> SPREAD PAD	<input type="checkbox"/> DRILLED PIER	<input type="checkbox"/> SPREAD PAD	<input type="checkbox"/> DRILLED PIER	<input type="checkbox"/> SPREAD PAD	<input type="checkbox"/> DRILLED PIER	<input type="checkbox"/> SPREAD PAD	<input checked="" type="checkbox"/> DRILLED PIER	<input type="checkbox"/> SPREAD PAD	<input type="checkbox"/> DRILLED PIER	<input type="checkbox"/> DRILLED PIER	
SELECT ONE	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
ORDER FORM	REK1.0	REK1.0	REK1.0	REK1.0	REK1.0	REK1.0	REK1.0	REK1.0	REK1.0	REK1.0	REK1.0	
NOTES AND SPECIAL INSPECTIONS	REK1.1	REK1.1	REK1.1	REK1.1	REK1.1	REK1.1	REK1.1	REK1.1	REK1.1	REK1.1	REK1.1	
FOUNDATION PLAN	REK2.0	REK2.1	REK2.0	REK2.1	REK2.0	REK2.1	REK2.2	REK2.3	REK2.2	REK2.3	REK2.3	
FRAMING PLAN	REK3.0	REK3.0	REK3.0	REK3.0	REK3.0	REK3.0	REK3.1	REK3.1	REK3.1	REK3.1	REK3.1	
FRAME CONNECTION DETAILS	REK4.0	REK4.0	REK4.0	REK4.0	REK4.0	REK4.1	REK4.1	REK4.1	REK4.1	REK4.1	REK4.1	
ARCHITECTURAL VIEWS	REK5.0	REK5.0	REK5.0	REK5.0	REK5.0	REK5.1	REK5.1	REK5.1	REK5.1	REK5.1	REK5.1	
ROOF CONNECTION DETAILS	REK6.0	REK6.0	REK6.0	REK6.0	REK6.0	REK6.0	REK6.0	REK6.0	REK6.1	REK6.1	REK6.1	
MISC DESIGN OPTIONS	REK7.0	REK7.0	REK7.0	REK7.0	REK7.0	REK7.0	REK7.0	REK7.0	REK7.0	REK7.0	REK7.0	
ELETRICAL CUTOUS	REK7.1	REK7.1	REK7.1	REK7.1	REK7.1	REK7.1	REK7.1	REK7.1	REK7.1	REK7.1	REK7.1	

STEP 12 MULTIPLE STRUCTURES			
MULTIPLE STRUCTURES	ROOF WIDTH X LENGTH		QTY

- STEP 1: GENERAL PROJECT INFORMATION**
- IDENTIFY PROJECT NAME AND SCHOOL DISTRICT
 - IDENTIFY USE AND OCCUPANCY CLASSIFICATION
 - THE USE AND OCCUPANCY DETERMINE THE MAXIMUM SQUARE FOOTAGE OF THE STRUCTURE
 - THE MAXIMUM SQUARE FOOTAGE IS ALSO LIMITED BY THE NUMBER OF OCCUPANTS
 - IDENTIFY THE OCCUPANT LOAD PER TABLE 1004.5 IN THE CBC
 - IDENTIFY TOTAL ROOF AREA WHICH SHALL NOT EXCEED ALLOWABLE AREA PER TABLE 506.2 IN THE CBC.
 - IDENTIFY EXPECTED NUMBER OF OCCUPANTS BASED ON THE ESTIMATED OCCUPANT LOAD
 - TOTAL ROOF AREA DIVIDED BY OCCUPANT LOAD CAN DETERMINE NUMBER OF OCCUPANTS
- STEP 2: DESIGN OPTIONS**
- SELECT ROOF DECK FOR YOUR PROJECT
 - "MR" REPRESENTS MCELROY METAL "MULTI-RIB" ROOF DECK
 - "SS" REPRESENTS MCELROY METAL "MEDALLION-LOCK" 16" STANDING SEAM ROOF DECK
 - SELECT WHETHER GUTTERS AND DOWNSPOUTS FROM POLYGON IS NEEDED FOR YOUR PROJECT
 - IF "YES", THEN INCLUDE SHEET REK7.0 IN THE DRAWING SET
 - SELECT WHETHER ELECTRICAL CUTOUS ARE NEEDED FOR YOUR PROJECT
 - SHEET REK7.0 SHOWS ELECTRICAL CUTOOUT SIZE AND LOCATION CUTOUS IN COLUMNS
 - SHEET REK7.1 HAS INSTRUCTIONS AND SHEET TO IDENTIFY WHICH COLUMNS
 - SHEET REK7.1 MUST BE FILLED OUT IN THE SUBMITAL SET APPROVED BY DSA
 - IF NOTHING IS FILLED IN ON REK7.1, POLYGON WILL ASSUME CUTOUS ARE ONLY IN COLUMN A1 (SEE "FRAMING PLAN" FOR REFERENCE)
 - SELECT CLEAR HEIGHT (SEE "ARCHITECTURAL VIEWS" SHEET FOR REFERENCE)
 - MIN 7'-11"; MAX 10'-0"
 - IF NOTHING IS SELECTED, POLYGON WILL ASSUME THE DEFAULT FOR EACH DESIGN OPTION

- STEP 3: IDENTIFY THE Ss & S1 ACCELERATION (g) FOR YOUR PROJECT AND GEOTECHNICAL INFORMATION**
- Ss & S1 VALUE DETERMINES THE REQUIRED SEISMIC DESIGN FORCES
 - Ss & S1 VALUE DEPENDS ON PROJECTS GEOGRAPHICAL LOCATION
 - FIND Ss & S1 VALUES FOR YOUR PROJECT IN THE SITE SPECIFIC GEOTECHNICAL REPORT
 - FIND Ss & S1 VALUES FOR YOUR PROJECT USING <https://asce7.hazardtool.com/>
 - THIS PC IS NOT APPROVED FOR Ss VALUES GREATER THAN 2.063 (CONTACT POLYGON FOR ADDITIONAL OPTIONS)

- STEP 4: IDENTIFY THE SEISMIC REGION FOR YOUR PROJECT**
- THE REGIONS ARE DEPENDANT ON THE Ss & S1 VALUES DETERMINED IN STEP 3
 - THE SEISMIC REGION DICTATES THE MAXIMUM DEAD LOAD PERMITTED (SEE TABLE TO THE LEFT)
- STEP 5: IDENTIFY THE ROOF DEAD LOAD FOR YOUR PROJECT**
- THE ROOF DECK DEAD LOAD WILL ALWAYS BE INCLUDED
 - THE COLLATERAL LOAD REPRESENTS ADDITIONAL LOAD THAT CAN BE SUPPORTED BY THE FRAME
 - TOTAL ROOF DEAD LOAD MUST BE LESS THAN OR EQUAL TO THE MAX DEAD LOAD SHOWN IN STEP 4
 - CUT SHEETS OF ANY BOARDS, BOXES AND EQUIPMENT TO BE MOUNTED ON THE STRUCTURE, INCLUDING WEIGHTS AND DIMENSIONS ARE REQUIRED

- STEP 6: IDENTIFY THE LOAD SCENARIO**
- REFERENCE THE STEP 4 COLOR AND SELECT THE APPLICABLE LOAD SCENARIO
 - LOAD SCENARIOS HAVE NO IMPACT ON FRAME DESIGN OR COST, BUT DO AFFECT FOUNDATION SIZE

- STEP 7: IDENTIFY PC STRUCTURE**
- ROOF WIDTHS UP TO 20' WIDE USE THE "REK 20"
 - ROOF WIDTHS UP TO 30' WIDE USE THE "REK 30"
 - THE 20' AND 30' WIDTHS ARE SUGGESTED BECAUSE THEY ARE THE MOST ECONOMICAL
 - MAXIMUM WIDTH IS 30'; (SEE "ARCHITECTURAL VIEWS" SHEET FOR REFERENCE)

- STEP 8: IDENTIFY SITE SPECIFIC ROOF WIDTH AND LENGTH**
- DO NOT EXCEED THE TOTAL ROOF AREA FROM STEP 1 (ROOF WIDTH MULTIPLIED BY ROOF LENGTH)

- STEP 9: FOUNDATION TYPE**
- SELECT A FOUNDATION BASED THE DESIRED FOUNDATION TYPE
 - SELECT EITHER SPREAD PAD OR DRILLED PIER FOUNDATION PRIOR TO APPROVAL
 - FOUNDATION TYPE IMPACTS CONSTRUCTION TIMING, SEQUENCE, COST, ETC.
 - FOUNDATION TYPE IMPACTS ANCHOR BOLT LENGTH (NOT PROVIDED BY POLYGON)
 - REVIEW OF SITE-SPECIFIC SOILS REPORT TO EVALUATE APPLICABILITY OF FOUNDATION OPTIONS AVAILABLE

- STEP 10: FOUNDATION SUMMARY**
- USE THE SELECTIONS FROM STEP 6 AND STEP 9 TO SELECT THE APPROPRIATE FOUNDATION

- STEP 11: SELECT APPLICABLE SHEET INDEX FOR YOUR PROJECT**
- IDENTIFY THE APPLICABLE SHEET INDEX
 - INCLUDE APPLICABLE SHEETS WITH YOUR DSA SUBMITAL
 - EXCLUDE "MISC DESIGN" SHEET FOR PROJECTS WITHOUT ELECTRICAL CUTOUS OR GUTTERS
 - EXCLUDE "ELECTRICAL CUTOUS" SHEET FOR PROJECTS WITHOUT ELECTRICAL CUTOUS

- STEP 12: MULTIPLE STRUCTURES WITH THE SAME PC#**
- FILL IN ROOF LENGTH AND WIDTH OF STRUCTURES AS WELL AS QUANTITY
 - UNO ON THE POLYGON DRAWINGS, POLYGON WILL ASSUME ALL DESIGN CRITERIA FOR EACH STRUCTURE IS THE SAME
 - CONTACT POLYGON FOR FURTHER INFORMATION

SHEET INDEX					
1	REK1.0	ORDER FORM	11	REK6.0	ARCHITECTURAL VIEWS - REK 20
2	REK1.1	NOTES AND SPECIAL INSPECTIONS	12	REK5.1	ARCHITECTURAL VIEWS - REK 30
3	REK2.0	FOUNDATION PLAN SPREAD PAD - REK 20	13	REK6.0	ROOF CONNECTION DETAILS
4	REK4.1	FOUNDATION PLAN DRILLED PIER - REK 20	14	REK6.1	ROOF CONNECTION DETAILS
5	REK2.2	FOUNDATION PLAN SPREAD PAD - REK 30	15	REK7.0	MISC DESIGN OPTIONS
6	REK2.3	FOUNDATION PLAN DRILLED PIER - REK 30	16	REK7.1	ELECTRICAL CUTOUS
7	REK3.0	FRAMING PLAN - REK 20			
8	REK3.1	FRAMING PLAN - REK 30			
9	REK4.0	FRAME CONNECTION DETAILS - REK 20			
10	REK4.1	FRAME CONNECTION DETAILS - REK 30			
TOTAL SHEETS = 16					

ABBREVIATIONS:

ACI	AMERICAN CONCRETE INSTITUTE	MR	MULTI-RIB ROOF PANEL (MCELROY)
AISC	AMERICAN INSTITUTE OF STEEL CONSTRUCTION	NTS	NOT TO SCALE
ASM	ASSEMBLY (INTERNAL REFERENCE)	NO	NUMBER
ASTM	AMERICAN SOCIETY FOR TESTING AND MATLS	OC	ON CENTER
AWS	AMERICAN WELDING SOCIETY	OSHA	OCCUPATIONAL HEALTH AND SAFETY ADM.
CBC	CALIFORNIA BUILDING CODE	PCF	POUNDS PER CUBIC FOOT
CJP	COMPLETE JOINT PENETRATION	PD	POLYGON DRAWING
CLR	CLEAR	PJ	PRETENSIONED JOINT
DEG	DEGREE	PLCS	PLACES
DIA	DIAMETER	PLT	PLATE
DIM	DIMENSION	PSF	POUNDS PER SQUARE FOOT
DSA	DIVISION OF THE STATE ARCHITECT	PSI	POUNDS PER SQUARE INCH
EQ	EQUAL	QTY	QUANTITY
FT	FEET	REF	REFERENCE
GA	GAGE	SQ	SQUARE
IN	INCHES	SS	STANDING SEAM ROOF PANEL (MCELROY)
KSI	KIPS PER SQUARE INCH	TYP	TYPICAL
MAX	MAXIMUM	UNO	UNLESS NOTED OTHERWISE
MIN	MINIMUM	USGS	U.S. GEOLOGICAL SURVEY
MISC	MISCELLANEOUS	W/	

GENERAL:

- 1. GENERAL NOTES AND TYPICAL DETAILS SHALL APPLY TO ALL PARTS OF THE JOB EXCEPT WHERE THEY MAY CONFLICT WITH DETAILS AND NOTES ON OTHER SHEETS. WHERE CONDITIONS ARE NOT SPECIFICALLY INDICATED BUT ARE OF SIMILAR CHARACTER TO DETAILS SHOWN, SIMILAR DETAILS OF CONSTRUCTION SHALL BE USED SUBJECT TO REVIEW BY THE STRUCTURAL ENGINEER FOR THIS PROJECT.
2. WORK SHALL CONFORM TO THE REQUIREMENTS, AS AMENDED TO DATE, OF THE LATEST ADOPTED EDITION OF THE CBC, C.A.C. TITLE 24, AND ALL OTHER LOCAL, STATE AND FEDERAL REGULATIONS.
3. OMISSIONS OR CONFLICTS BETWEEN THE VARIOUS ELEMENTS OF THE WORKING DRAWINGS AND/OR SPECIFICATIONS SHALL BE BROUGHT TO THE ATTENTION OF THE STRUCTURAL ENGINEER FOR THIS PROJECT PRIOR TO PROCEEDING WITH ANY WORK INVOLVED.
4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING THE WORK OF ALL TRADES AND SHALL CHECK ALL DIMENSIONS. ALL DISCREPANCIES SHALL BE CALLED TO THE ATTENTION OF THE STRUCTURAL ENGINEER FOR THIS PROJECT AND BE RESOLVED BEFORE PROCEEDING WITH THE WORK.
5. THESE CONSTRUCTION DRAWINGS AND SPECIFICATIONS REPRESENT THE FINISHED STRUCTURE AND DO NOT INDICATE THE METHOD OF CONSTRUCTION. THE CONTRACTOR SHALL SUPERVISE AND DIRECT THE WORK AND SHALL BE SOLELY RESPONSIBLE FOR CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES AND PROCEDURES, INCLUDING, BUT NOT LIMITED TO, BRACING, TEMPORARY SUPPORTS, AND SHORING. OBSERVATION VISITS TO THE SITE BY FIELD REPRESENTATIVES OF THE ARCHITECT/ENGINEER SHALL NOT INCLUDE INSPECTIONS OF THE PROTECTIVE MEASURES OR THE CONSTRUCTION PROCEDURES. ANY SUPPORT SERVICES PERFORMED BY THE ARCHITECT/ENGINEER DURING THE CONSTRUCTION SHALL BE DISTINGUISHED FROM CONSTRUCTION AND DETAILED INSPECTION SERVICES WHICH ARE FURNISHED BY OTHERS. THESE SUPPORT SERVICES PERFORMED BY THE ARCHITECT/ENGINEER, WHETHER OF MATERIAL OR WORK, ARE FOR THE PURPOSE OF ASSISTING IN QUALITY CONTROL AND IN ACHIEVING CONFORMANCE WITH CONTRACT DOCUMENTS, BUT DO NOT GUARANTEE CONSTRUCTION.
6. ASTM DESIGNATIONS AND ALL STANDARDS REFER TO THE LATEST AMENDMENTS.
7. CONFORM TO APPLICABLE CAL/OSHA CONSTRUCTION SAFETY REGULATIONS FOR ALL WORK PERFORMED DURING CONSTRUCTION. JOB SITE SAFETY IS STRICTLY THE RESPONSIBILITY OF THE CONTRACTOR AND NOT THE ARCHITECT/ENGINEER OR OWNER.
8. THE ENGINEER AND THEIR CONSULTANTS SHALL HAVE NO RESPONSIBILITY FOR THE DISCOVERY, HANDLING, REMOVAL OR DISPOSAL OF HAZARDOUS MATERIALS AT THE PROJECT SITE, INCLUDING BUT NOT LIMITED TO, ASBESTOS, ASBESTOS PRODUCTS, POLYCHLORINATED BIPHENYL (PCB) OR OTHER TOXIC SUBSTANCES.
9. SHOULD ANY CONDITIONS DEVELOP NOT COVERED BY THE CONTRACT DOCUMENTS, OR IF A CHANGE IN THE SCOPE OF WORK IS PROPOSED, A CONSTRUCTION CHANGE DOCUMENT DETAILING AND SPECIFYING THE REQUIRED CHANGE(S) SHALL BE SUBMITTED TO AND APPROVED BY DSA BEFORE PROCEEDING WITH THE WORK.
10. THE SCHOOL DISTRICT'S INSPECTOR OF RECORD SHALL INSPECT AND APPROVE THE ERECTED FRAME PRIOR TO ROOF INSTALLATION.
11. SEE REQUIREMENTS FOR LOCATION IN ANY FIRE HAZARD SEVERITY ZONE FOR WILDLAND URBAN INTERFACE AREAS (WUI) AS SPECIFIED IN THE APPLICABLE VERSION OF THE CALIFORNIA BUILDING CODE. PROVIDE PROTECTION AND DETAILS OF ALL AREAS COMPLYING WITH THE WUI REQUIREMENTS.
12. LOCATING THIS STRUCTURE CLOSER THAN 20 FEET TO OTHER STRUCTURES MAY AFFECT THE ALLOWABLE AREA FOR THE EXISTING CONSTRUCTION PER THE APPLICABLE VERSION OF THE CALIFORNIA BUILDING CODE.
13. VIEWS AND DETAILS ARE NOT DRAWN TO SCALE (UNLESS NOTED OTHERWISE). DO NOT SCALE THESE DRAWINGS.
14. OTHER SITE SPECIFIC ITEMS MAY BE REQUIRED.
15. 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 ALLOWABLE SOIL VALUES SPECIFIED IN THE PC ARE STILL APPLICABLE.

STRUCTURAL AND MISCELLANEOUS STEEL:

- 1. ALL STRUCTURAL STEEL SHALL BE DETAILED, FABRICATED AND ERRECTED IN ACCORDANCE WITH THE AMERICAN INSTITUTE OF STEEL CONSTRUCTION (AISC) 360-16 AND 303-16 REFERENCED BY THE 2022 EDITION OF THE CALIFORNIA BUILDING CODE.
2. PIPE SECTIONS SHALL CONFORM TO ASTM A53, Fy = 35 ksi, GRADE B UNLESS NOTED OTHERWISE.
3. STRUCTURAL TUBING (HSS SHAPES) SHALL CONFORM TO ASTM A500, GRADE B (OR HIGHER), Fy = 46 KSI.
4. IF MATERIAL AVAILABILITY IS LIMITED, MEMBER THICKNESSES CAN BE INCREASED BEYOND WHAT IS SHOWN IN THESE DRAWINGS (MAXIMUM INCREASE OF 1/8").
5. ALL CHANNELS, ANGLES, PLATES AND MISC. STEEL SHALL CONFORM TO ASTM A36, Fy = 36 KSI.
6. ALL COLD FORM STEEL SHALL CONFORM TO ASTM A653, CS = TYPE B, Fy = 50 KSI.
7. STRUCTURAL STEEL AND DECK SHALL BE IDENTIFIED FOR CONFORMITY PER CBC 2202A.1.
8. ROOF DECK SHALL HAVE KYNAR 5000 METAL COATING.
9. ROOF DECK SHALL CONFORM TO ATSM A792, Fy = 50 KSI.
10. MR ROOF SCREWS MEET ASTM A510 WITH A HEAD DIMENSION OF 0.31" (FLAT-TO-FLAT) AND INTEGRAL WASHER DIMENSION OF 0.58" (OUTSIDE DIAMETER).
11. SS ROOF SCREWS MEET ASTM A510 WITH A HEAD DIMENSION OF 0.437" (OUTSIDE DIAMETER).

WELDING:

- 1. ALL WELDING SHALL COMPLY WITH AWS D1.1 SPECIFICATIONS AND SHALL BE DONE BY AWS QUALIFIED WELDERS CERTIFIED FOR THE TYPE OF WELDING TO BE PERFORMED.
2. ALL WELDING SHALL BE DONE BY GAS METAL ARC PROCESS WITH E70XX ELECTRODES. FLUX CORE ARC WELD SHALL CONFORM TO CHARPY NOTCH TOUGHNESS RATING OF 20 ft-lb @ (0° F).
3. ALL WELDING SHALL BE DONE IN THE SHOP WITH REQUIRED INSPECTION, PRE-APPROVED BY DSA, TO ENSURE PROPER MATERIAL ID AND WELDING.
4. WELD FILLER METAL MANUFACTURER SHALL PROVIDE WRITTEN CERTIFICATION OF COMPLIANCE WITH CODE AND SPECIFICATIONS.

BOLTING:

- 1. ALL BOLTS SHOWN ON THESE DRAWINGS ARE ASTM F3125 (A325 TYPE 1) HIGH STRENGTH BOLTS (UNO) AND SHALL BE HOT DIPPED GALVANIZED PER ASTM F2329.
2. HIGH STRENGTH BOLTS SHALL BE SAMPLED AND TESTED IN COMPLIANCE WITH CBC 2213A.1.
3. BEFORE ERRECTING THE FRAME, VERIFY ALL BOLTS AND NUTS ARE CLEAN OF DEBRIS AND BURRS - INCLUDING THE HARDWARE ALREADY FASTENED INSIDE THE MEMBERS. CHASING SOME OF THE BOLTS AND NUTS MAY BE REQUIRED.
4. ANCHOR BOLTS (HEAVY HEX HEAD, ASTM F1554, GRADE 55) SHALL BE HOT DIPPED GALVANIZED PER ASTM F2329. ANCHOR BOLTS MAY BE HEADED OR THREADED WITH A NUT THAT IS PREVENTED FROM ROTATING.
5. HIGH STRENGTH NUTS SHALL CONFORM TO ASTM A563 AND SHALL BE GALVANIZED PER ASTM F2329.
6. HIGH STRENGTH WASHERS SHALL CONFORM TO ASTM F436 AND SHALL BE GALVANIZED PER ASTM F2329.
7. THE BOLTING INSTALLATION REQUIREMENTS OUTLINED BELOW ARE CRITICAL TO THE STRUCTURE'S DESIGN AND PERFORMANCE. THE INSTALLER IS REQUIRED TO COORDINATE THIS PHASE OF CONSTRUCTION WITH THE SPECIAL BOLTING INSPECTOR AND THE INSPECTOR OF RECORD PRIOR TO THE ERECTION OF THE FRAME. ALL BOLTS SHALL BE INSTALLED AND INSPECTED PER THE APPLICABLE VERSION OF AISC'S SPECIFICATION FOR STRUCTURAL JOINTS USING HIGH-STRENGTH BOLTS", CBC 1705A.2.1; AISC 341-16 17; AISC 360-16 N5.6.
A. PRETENSIONED JOINTS (IDENTIFIED ON THE FRAME CONNECTION DETAILS WITH A "PJ REQUIRED") MUST BE INSTALLED AND INSPECTED TO MEET ONE OF FOLLOWING REQUIREMENTS:
1. TURN-OF-NUT PRETENSIONING
2. CALIBRATED WRENCH PRETENSIONING
3. DIRECT-TENSION-INDICATOR PRETENSIONING (CONTRACTOR RESPONSIBLE FOR PURCHASE OF REQUIRED WASHERS)
B. ALL OTHER JOINTS MUST BE INSTALLED AND INSPECTED TO MEET THE REQUIREMENTS OF SNUG-TIGHTENED JOINTS. NOTE TO INSTALLER AND INSPECTOR(S): THE SNUG-TIGHT CONDITION EXISTS, IN PART, WHEN ALL THE BOLTS IN THE JOINT HAVE BEEN TIGHTENED SUFFICIENTLY TO PREVENT THE REMOVAL OF THE NUTS WITHOUT THE USE OF A WRENCH.

THE CONTRACTOR, SPECIAL BOLTING INSPECTOR AND THE INSPECTOR OF RECORD MUST ALL AGREE ON WHICH APPROACH WILL BE USED TO PRETENSION THE BOLTS. THE CONTRACTOR IS RESPONSIBLE FOR DOCUMENTING THE APPROACH AGREED TO BY ALL PARTIES LISTED ABOVE.

FOUNDATIONS:

- 1. ALLOWABLE SOIL PRESSURES ASSUME CLASS 5 SOIL CLASSIFICATION PER 2022 CBC TABLE 1806A.2.
2. FILL AND BACKFILL SHALL BE COMPACTED TO 95% OF MAX. DENSITY IN ACCORDANCE WITH ASTM TEST METHOD D1557. FLOODING NOT PERMITTED.
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL SHORING, ETC. NECESSARY TO SUPPORT CUT AND/OR FILL BANKS DURING EXCAVATION, AND FORMING AND PLACEMENT OF CONCRETE.
4. STRUCTURES SHALL SET BACK FROM ADJACENT SLOPES TO PROVIDE FIRM MATERIAL FOR EMBEDMENT AND FOR PROTECTION FROM SLOPE DRAINAGE, EROSION, AND SLOW FAILURES.
A. BOTTOM OF ASCENDING SLOPE: THE SMALLER OF HALF THE HEIGHT OF THE SLOPE AND 15FT MEASURED FROM THE FACE OF THE STRUCTURE TO THE TOE OF THE SLOPE
B. TOP OF DESCENDING SLOPE: THE SMALLER OF A THIRD OF THE HEIGHT OF THE SLOPE AND 40 FT MEASURED FROM THE FACE OF THE FOOTING TO THE TOP OF THE SLOPE
ALTERNATE SETBACKS ARE PERMITTED, SUBJECT FOR APPROVAL. A GEOTECHNICAL INVESTIGATION MAY BE REQUIRED.
5. STRUCTURES PLACED ON LIQUIFIABLE SOILS OR SITE CLASS F MAY NOT BE SUBMITTED FOR AN OVER THE COUNTER REVIEW

CONCRETE:

- 1. MIX DESIGN REQUIREMENTS: (NORMAL WEIGHT CONCRETE)
MINIMUM STRENGTH F'c (28 DAYS) EXPOSURE CATEGORY MAXIMUM W/C RATIO SLUMP (± 1") UNIT WEIGHT (NORMAL WEIGHT)
5000 PSI F3, S3, W2, C2 0.4 4" 150 PCF
2. CHANGES TO THE MIX DESIGN MUST BE APPROVED BY THE ENGINEER OR ARCHITECT OF RECORD AND DSA
3. AGGREGATES SHALL CONFORM TO ASTM C33. MAX AGGREGATE SIZE = 1".
4. CEMENT SHALL CONFORM TO ASTM C150 (TYPE V) WITH A MAXIMUM EXPANSION OF 0.040%, FOR SULFATE RESISTANCE.
5. ADMIXTURES CONTAINING CALCIUM CHLORIDE ARE PROHIBITED.
6. CONCRETE EXPOSED TO FREEZING-AND-THAWING CYCLES SHALL BE AIR ENTRAINED PER ACI 318-19 SECTION 19.3.3.
7. CONCRETE SHALL BE MAINTAINED IN A MOIST CONDITION FOR A MINIMUM OF FIVE DAYS AFTER PLACEMENT. ALTERNATE METHODS WILL BE APPROVED IF SATISFACTORY PERFORMANCE CAN BE ASSURED.
8. CONCRETE SHALL NOT FREE FALL MORE THAN FIVE FEET.
9. CONCRETE SHALL BE PROPORTIONED PER ACI 318-19 26.4.
10. CONCRETE SHALL BE TESTED PER CBC 1910A.1, 1705A.3, AND ACI 318-19 26.13. BATCH PLANT INSPECTION NOT REQUIRED. CONTRACTOR SHALL IMPLEMENT WEIGHTMASTER AND BATCH TICKET REQUIREMENTS OF CBC 1705A.3.3.1.

REINFORCING STEEL:

- 1. REINFORCING STEEL SHALL BE DEFORMED STEEL CONFORMING TO THE REQUIREMENTS OF ASTM A615. (DEFORMATIONS SHALL BE IN ACCORDANCE WITH ASTM A305) AS FOLLOWS:
GR 40: (#4 BARS AND LARGER)
GR 60: (#3 BARS)
2. DETAILING, FABRICATION, AND ERECTION OF REINFORCING BARS SHALL CONFORM TO THE ACI "MANUAL OF STANDARD PRACTICE FOR DETAILING REINFORCING CONCRETE STRUCTURES."
3. MIN. COVER FOR CAST-IN-PLACE CONCRETE SHALL BE AS FOLLOWS:
A. CAST AGAINST EARTH..... 3"
B. CAST AGAINST FORM BELOW GRADE..... 2"
C. FORMED SLABS (#11 BAR & SMALLER)..... 3/4"
D. SLABS ON GRADE (FROM TOP OF SLAB)..... 1"
E. COLUMNS AND BEAMS (MAIN BARS)..... 2"
F. WALLS EXPOSED TO WEATHER (#6-#18 BARS)..... 2"
G. NOT EXPOSED TO WEATHER (#5 & SMALLER)..... 11/2"
H. NOT EXPOSED TO WEATHER (#11 & SMALLER)..... 3/4"
4. BARS SHALL BE CLEAN OF RUST, GREASE OR OTHER MATERIAL LIKELY TO IMPAIR BOND. BENDS SHALL BE MADE COLD.
5. FOR #6 BARS AND SMALLER, REINFORCING SHALL BE LAP SPLICED 45 BAR DIA MINIMUM IN CONCRETE. FOR #7 BARS AND LARGER, REINFORCING SHALL BE LAP SPLICED 55 BAR DIAMETERS MINIMUM IN CONCRETE. ALL LAP SPLICES MUST COMPLY WITH ACI 318-19.
6. PRIOR TO PLACING OF CONCRETE, REINFORCING STEEL AND EMBEDDED ITEMS SHALL BE WELL SECURED IN POSITION.
7. WELDING OF REINFORCING IS NOT ALLOWED
8. REINFORCING STEEL SHALL BE SAMPLED AND TESTED PER CBC 1910A.2.

POWDER COATED AND EPOXY PRIMED FINISH:

- 1. ENTIRE POWDER COATING PROCESS COMPLETED IN SAME FACILITY AS STEEL FABRICATION.
2. ALL CARBON STEEL MEMBERS (COLUMNS, BEAMS, PLATES, ETC.) PAINTED WITH PRIME COAT PER THE "AISC CODE OF STANDARD PRACTICE" AND THE "AISC SPECIFICATION SECTION M3" (UNLESS NOTED OTHERWISE).
3. PARTS PRETREATED IN A 3 STAGE IRON PHOSPHATE WASHER (OR EQUAL).
4. EPOXY PRIMER POWDER COAT APPLIED TO PARTS FOR SUPERIOR CORROSION PROTECTION.
5. TOP POWDER COAT OF SUPER DURABLE TGIC (COLOR SELECTED FROM MANUFACTURER'S STANDARD OPTIONS OR CUSTOM COLOR).
6. SAMPLE PRODUCTION PARTS TESTED TO MEET THE FOLLOWING CRITERIA:
A. SALT SPRAY RESISTANCE PER ASTM B 117/ASTM D 1654
1. 10000 HOURS WITH NO CREEP FROM SCRIBE LINE AND RATING OF 10
B. HUMIDITY RESISTANCE PER ASTM D2247-02
1. 5000 HOURS WITH NO LOSS OF ADHESION OR BLISTERING
C. COLOR/UV RESISTANCE PER ASTM G154-04
1. 2000 HOURS EXPOSURE ALTERNATE CYCLES WITH NO CHALKING, 75% COLOR RETENTION, AND COLOR VARIATION MAXIMUM 3.0 E VARIATION CIE FORMULA (BEFORE AND AFTER 2000 HOURS EXPOSURE

CONSTRUCTION NOTES

- 1. A DSA-CERTIFIED CLASS 2 INSPECTOR IS REQUIRED FOR THIS PROJECT.
2. CHANGES TO THE APPROVED DRAWINGS AND SPECIFICATIONS SHALL BE MADE BY ADDENDA OR CONSTRUCTION CHANGE DOCUMENT (CCD) APPROVED BY DSA, AS REQUIRED BY SECTION 4-338, PART 1, TITLE 24 CCR AND DSA IR A-6.
3. A "DSA-CERTIFIED" PROJECT INSPECTOR EMPLOYED BY THE OWNER (E.G. DISTRICT, ETC.) AND APPROVED BY DSA SHALL PROVIDE CONTINUOUS INSPECTION OF WORK. THE DUTIES OF THE INSPECTOR ARE DEFINED IN SECTION 4-342, PART 1, TITLE 24, CCR.
4. A DSA ACCEPTED TESTING LABORATORY DIRECTLY EMPLOYED BY THE OWNER (E.G. DISTRICT, ETC.) SHALL CONDUCT ALL THE REQUIRED TEST AND INSPECTIONS FOR THE PROJECT.

NOTICE OF DISCLAIMER FOR STRUCTURAL ENGINEER RESPONSIBILITY

- 1. FOR THE SITE-SPECIFIC PROJECT, NEITHER POLYGON OR GHD ARE THE DESIGN PROFESSIONAL IN GENERAL RESPONSIBLE CHARGE.
2. FOR THE SITE-SPECIFIC PROJECT, GHD AND POLYGON'S RESPONSIBILITY IS LIMITED TO THE PREPARATION OF THE PLANS AND SPECIFICATIONS FOR THE STRUCTURES OF THIS PC ONLY.
3. STRUCTURAL OBSERVATION OF CONSTRUCTION IPECIFICALLY EXCLUDED FROM GHD AND POLYGON'S RESPONSIBILITY FOR THE SITE-SPECIFIC PROJECT.
4. ALL CONSTRUCTION ACTIVITIES RELATED TO STRUCTURAL ENGINEERING MAY BE DELEGATED TO A QUALIFIED ENGINEER BY THE DESIGN PROFESSIONAL IN GENERAL RESPONSIBLE CHARGE. THESE ACTIVITIES INCLUDE, BUT ARE NOT LIMITED TO, APPROVAL OF INSPECTOR QUALIFICATIONS, STRUCTURAL OBSERVATIONS OF CONSTRUCTION, REVIEW OF INSPECTIONS REPORTS, AND SIGNING OFF ON THE VERIFIED REPORT FOR COMPLETED WORK.
5. POLYGON WILL BE RESPONSIBLE FOR RESPONDING TO QUESTIONS PERTAINING TO THE PLANS AND SPECIFICATIONS FOR THE STRUCTURES OF THIS PC WHICH ARISE DURING PLAN REVIEW AND CONSTRUCTION.

SPECIAL INSPECTION NOTES:

- 1. THE PROJECT INSPECTOR AND TESTING AGENCY SHALL BE SELECTED BY THE SCHOOL DISTRICT AND APPROVED BY DSA AND THE ARCHITECT OF RECORD.
2. COSTS OF THE PROJECT INSPECTOR AND THE TESTING AGENCY SHALL BE BORN BY THE SCHOOL DISTRICT.
3. THE PROJECT INSPECTOR, AND ENTIRE CONSTRUCTION OVERSIGHT PROCESS, SHALL COMPLY WITH DSA PR 13-01.
4. ON APPROVED PC DRAWINGS, THE STATEMENT OF STRUCTURAL TESTS AND SPECIAL INSPECTIONS (FORM DSA-103) BELOW IS ONLY AN EXAMPLE. ON APPROVED PC DRAWINGS, THE EXAMPLE FORM DSA-103 MUST BE CROSSED OUT BEFORE THE PC DRAWINGS CAN BE APPROVED AS PART OF A SITE-SPECIFIC (OR STOCKPILE) PROJECT SO THEY WILL NOT CONFLICT WITH THE OFFICIAL FORM DSA-103 FOR THE PROJECT.

DSA 103-22: LISTING OF STRUCTURAL TESTS & SPECIAL INSPECTIONS, 2022 CBC
Application Number: School Name: School District:
DSA File Number: Increment Number: Date Submitted:
2022 CBC
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 special inspection or structural testing. The project inspector is responsible for providing inspection of all facets of construction, including but not limited to, special inspections not listed 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
Periodic - Indicates that a periodic special inspection is required
Test - Indicates that a test is required
GE - Indicates that the special inspection shall be performed by a registered geotechnical engineer or his or her authorized representative.
LOR - 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 - Indicates that the special inspection may be performed by a project inspector when specifically approved by DSA.
SI - Indicates that the special inspection shall be performed by an appropriately qualified/approved special inspector.
S1. GENERAL:
Test or Special Inspection Type Performed By Code References and Notes
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 material.
- Materials below footings are adequate to achieve the design bearing capacity.
See Notes PI Refer to specific items identified in the Appendix listing exemptions for foundations. Placement of controlled fill exceeding 12" depth under foundations is not permitted without a geotechnical report.
S2. SOIL COMPACTION AND FILL:
Test or Special Inspection Type Performed By Code References and Notes
a. Verify use of proper materials, densities and inspect lift thicknesses, placement and compaction during placement of fill.
b. Compaction testing.
Continuous LOR*
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.
* Under the supervision of a geotechnical engineer or LOR's engineering manager. Refer to specific items identified in the Appendix listing exemptions for limitations.
S4. CAST-IN-PLACE DEEP FOUNDATIONS (PIERS):
Test or Special Inspection Type Performed By Code References and Notes
a. Inspect drilling operations and maintain complete and accurate records for each pier.
b. Verify pier locations, diameters, plumbness, and lengths. Record concrete or grout volumes.
c. Concrete piers.
Continuous PI
Continuous PI
Provide tests and inspections per CONCRETE section below.
G1. CAST-IN-PLACE CONCRETE
Test or Special Inspection Type Performed By Code References and Notes
a. Verify use of required design mix.
b. Identify, sample, and test reinforcing steel.
c. During concrete placement, fabricate specimens for strength tests, perform slump and air content tests, and determine the temperature of the concrete.
d. Test concrete (f'c).
e. Batch plan inspection:
Periodic SI
Test LOR
Test LOR
See Note SI
Table 1705A.3 Item 5, 1910A.1, 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.)
Table 1705A.3 Item 6; ACI 318-19 Sections 26.5 & 26.12.
1905A.1.17; ACI 318-19 Section 26.12.
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 eliminated per 1705A.3.3.2. See IR 17-13. (See Appendix (end of this form) for exemptions.)
S/A1. STRUCTURAL STEEL, COLD-FORMED STEEL AND ALUMINUM USED FOR STRUCTURAL PURPOSES
Test or Special Inspection Type Performed By Code References and Notes
a. Verify identification of all materials and:
- Mill certificates indicate material properties that comply with requirements.
- Material sizes, types and grades comply with requirements.
b. Test unidentified materials
c. Examine seam welds of HSS shapes
d. Verify and document steel fabrication per DSA-approved construction documents.
Periodic SI
Test LOR
Periodic SI
Periodic SI
Table 1705A.2.1 Items 1a & 1b, 2202A.1; AISC 360-16 Section A3.3, J3.1, and N5.6; RCSC 2014 Section 1.5 & 2.1; DSA IR 17-8 & DSA IR 17-9.
Table 1705A.2.1 Item 1c, 2213A.1; RCSC 2014 Section 7.2; DSA IR 17-8.
Table 1705A.2.1 Item 2a, 1705A.2.6, 2204A.2; AISC 360-16 J3.1, J3.2, M2.5 & N5.6; RCSC 2014 Section 9.1; DSA IR 17-9.
Table 1705A.2.1 Items 2b & 2c; 1705A.2.6, 2204A.2; AISC 360-16 J3.1, J3.2, M2.5 & N5.6; RCSC 2014 Sections 9.2 & 9.3; DSA IR 17-9. "Continuous" or "Periodic" depends on the tightening method used.
S/A2. HIGH-STRENGTH BOLTS:
Test or Special Inspection Type Performed By Code References and Notes
a. Verify identification markings and manufacturer's certificates of compliance conform to ASTM standards specified in the DSA-approved documents.
b. Test high-strength bolts, nuts and washers.
c. Bearing-type ("snug tight") connections.
d. Pretensioned and slip-critical connections.
Periodic SI
Test LOR
Periodic SI
SI
Table 1705A.2.1 Items 1a & 1b, 2202A.1; AISC 360-16 Section A3.3, J3.1, and N5.6; RCSC 2014 Section 1.5 & 2.1; DSA IR 17-8 & DSA IR 17-9.
Table 1705A.2.1 Item 1c, 2213A.1; RCSC 2014 Section 7.2; DSA IR 17-8.
Table 1705A.2.1 Item 2a, 1705A.2.6, 2204A.2; AISC 360-16 J3.1, J3.2, M2.5 & N5.6; RCSC 2014 Section 9.1; DSA IR 17-9.
Table 1705A.2.1 Items 2b & 2c; 1705A.2.6, 2204A.2; AISC 360-16 J3.1, J3.2, M2.5 & N5.6; RCSC 2014 Sections 9.2 & 9.3; DSA IR 17-9. "Continuous" or "Periodic" depends on the tightening method used.
S/A3. WELDING:
Test or Special Inspection Type Performed By Code References and Notes
a. Verify weld filler material identification markings per AWS designation listed on the DSA-approved documents and the WFS.
b. Verify weld filler material manufacturer's certificate of compliance.
c. Verify WFS, welder qualifications and equipment.
Periodic SI
Periodic SI
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; DSA IR 17-3.
DSA IR 17-3.
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
a. Inspect groove welds, multi-pass fillet welds, single pass fillet welds > 5/16", plug and slot welds.
b. Inspect single-pass fillet welds < 5/16", floor and roof deck welds.
Continuous SI
Periodic SI
Table 1705A.2.1 Items 5a.1-4; AISC 360-16 (and AISC 341-16 as applicable); DSA IR 17-3.
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.
S/A9. ANCHOR BOLTS AND ANCHOR RODS:
Test or Special Inspection Type Performed By Code References and Notes
a. Anchor Bolts and Anchor Rods
Test LOR
Sample and test anchor bolts and anchor rods not readily identifiable per procedures noted in DSA IR 17-11.
Name of Architect or Engineer in general responsible charge:
Name of Structural Engineer (When structural design has been delegated):
Signature of Architect or Structural Engineer: Date:
Note: To facilitate DSA electronic mark-ups and identification stamp application, DSA recommends against using secured electronic or digital signatures.
DSA STAMP
DSA 103-22: LIST OF REQUIRED VERIFIED REPORTS, CBC 2022
1. Soils Testing and Inspection: Geotechnical Verified Report Form DSA 293
2. Structural Testing and Inspection: Laboratory Verified Report Form DSA 291
3. Shop Welding Inspection: Laboratory Verified Report Form DSA 291, or, for independently contracting SI, Special Inspection Verified Report Form DSA 292
4. High-Strength Bolt Installation Inspection: Laboratory Verified Report Form DSA 291, or, for independently contracting SI, Special Inspection Verified Report Form DSA 292

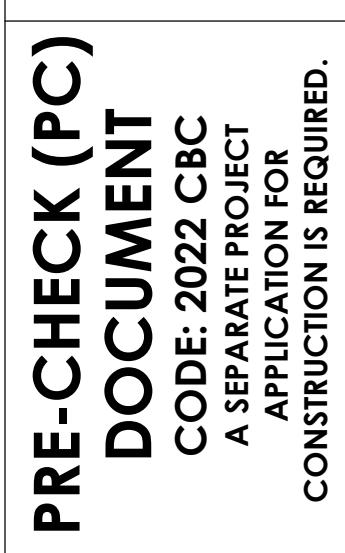
STATE APPROVALS-SITE

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-124307 INC:
REVIEWED FOR
SS [x] FLS [x] ACS [x]
DATE: 06/16/2026



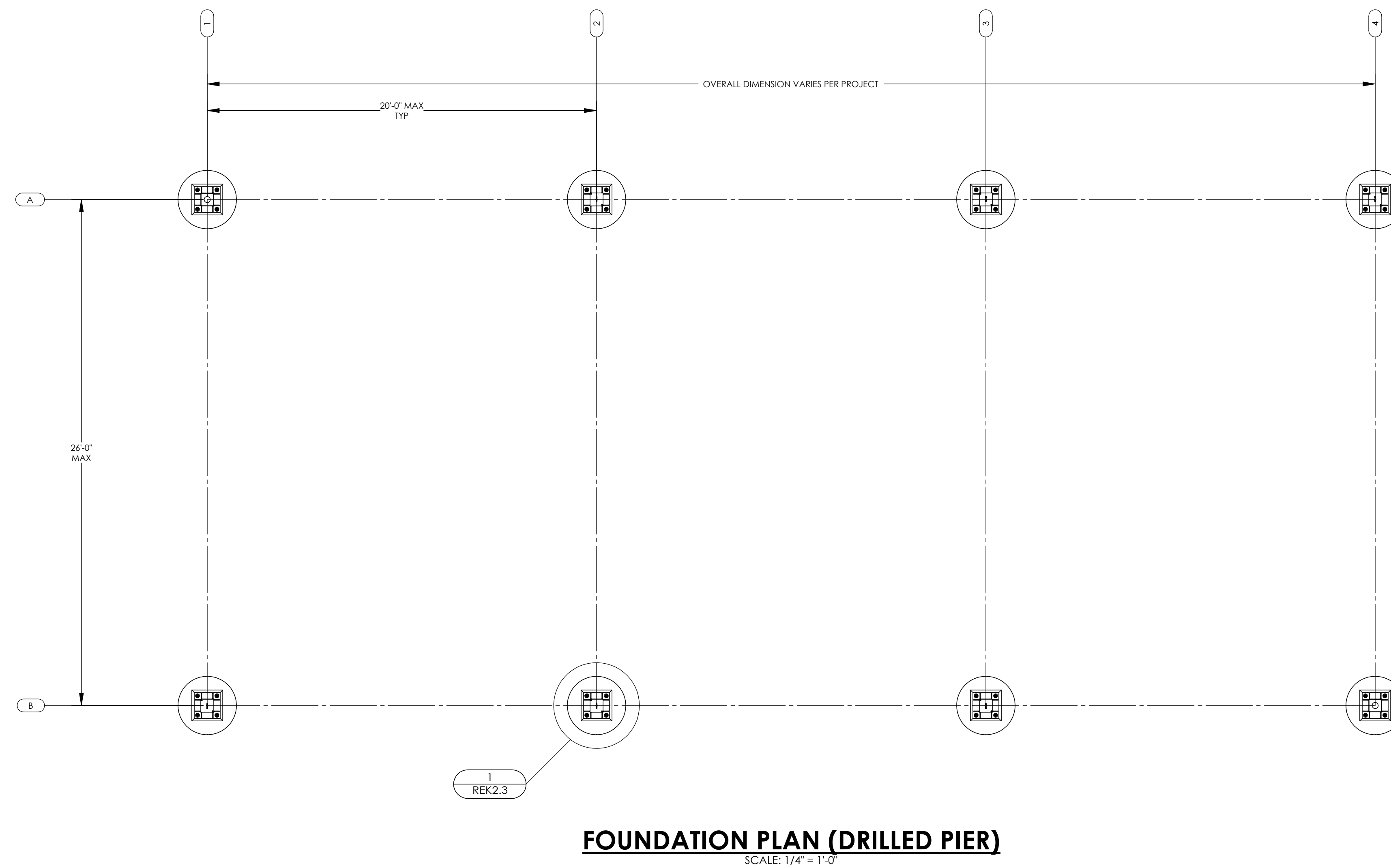
STATE APPROVALS-PC

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-124304 PC
REVIEWED FOR
SS [x] FLS [x] ACS [x] CG [x]
DATE: 7/18/2025



NOTES AND SPECIAL INSPECTIONS
GABLE ROOF - REK

REK1.1



FOUNDATION PLAN (DRILLED PIER)
SCALE: 1/4" = 1'-0"

FOUNDATION PLAN NOTES:

1. TOP OF ALL FOUNDATIONS MUST BE CONSTRUCTED AT ONE COMMON ELEVATION (COORDINATE WITH SITE PLANS - NOT BY POLYGON)
2. ALL FOUNDATIONS MUST BE CENTERED UNDER COLUMNS (UNO).
3. SEE SHEET REK1.1 FOR CONCRETE REQUIREMENTS.
4. PRIOR TO FORMING AND CASTING FOUNDATIONS, REVIEW FOUNDATION PLAN FOR REQUIRED ORIENTATION.
5. FOUNDATION MATERIAL AND INSTALLATION NOT BY POLYGON.
6. VIBRATE CONCRETE FULL DEPTH OF FOUNDATION.
7. FOR DRILLED PIER FOUNDATIONS, PREVENT SOIL FROM ENTERING EXCAVATED HOLE (FORM, ETC).

STATE APPROVALS-SITE

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-124307 INC:
REVIEWED FOR
SS FLS ACS
DATE: 06/16/2026

4033 P. AZA, GOLDEN GATE, CIRCLE
SUITE 11
CHAMBERLAIN PARK, CA 95822
(916) 877-1016

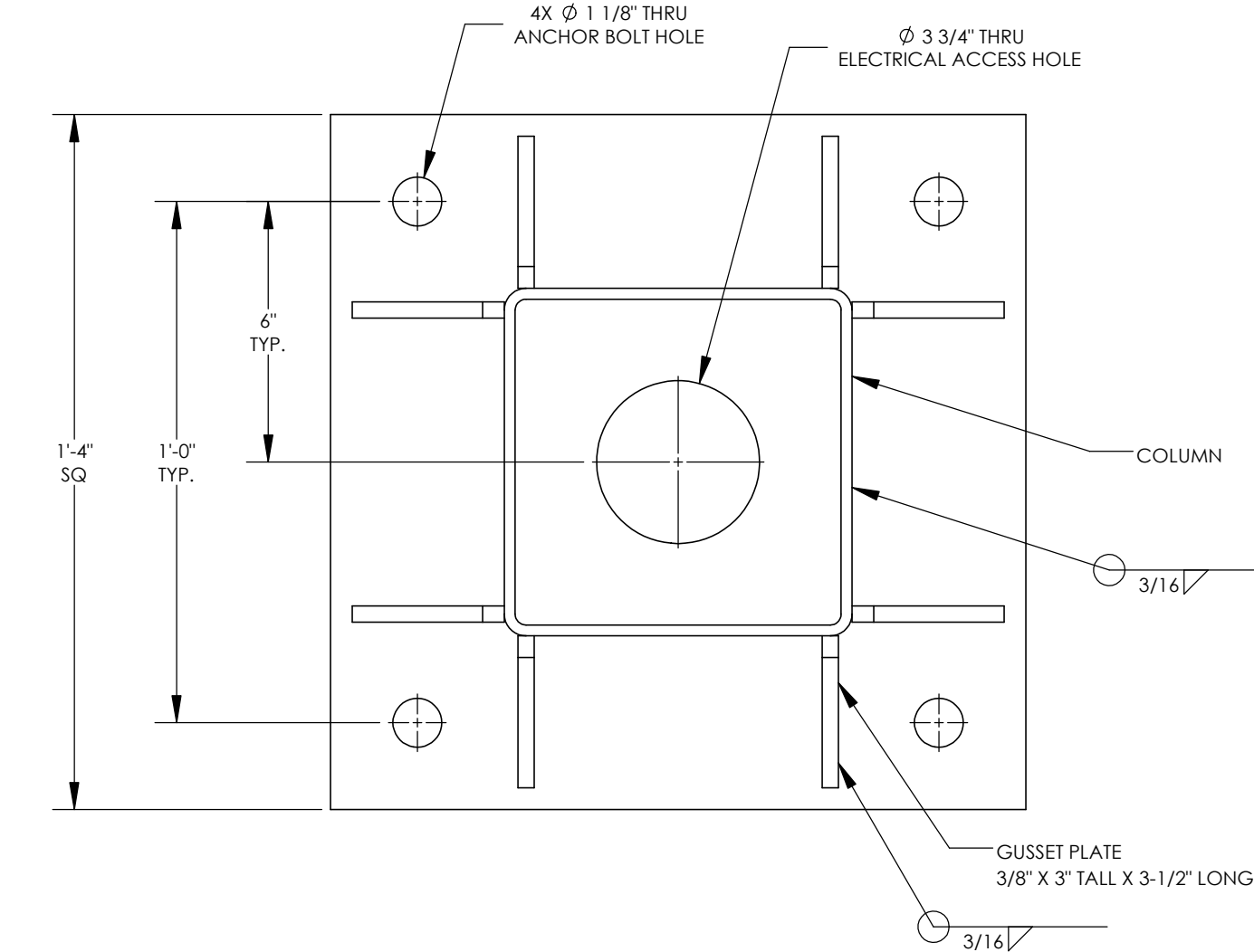


poligon
PORTER
CONSTRUCTION



STATE APPROVALS-PC

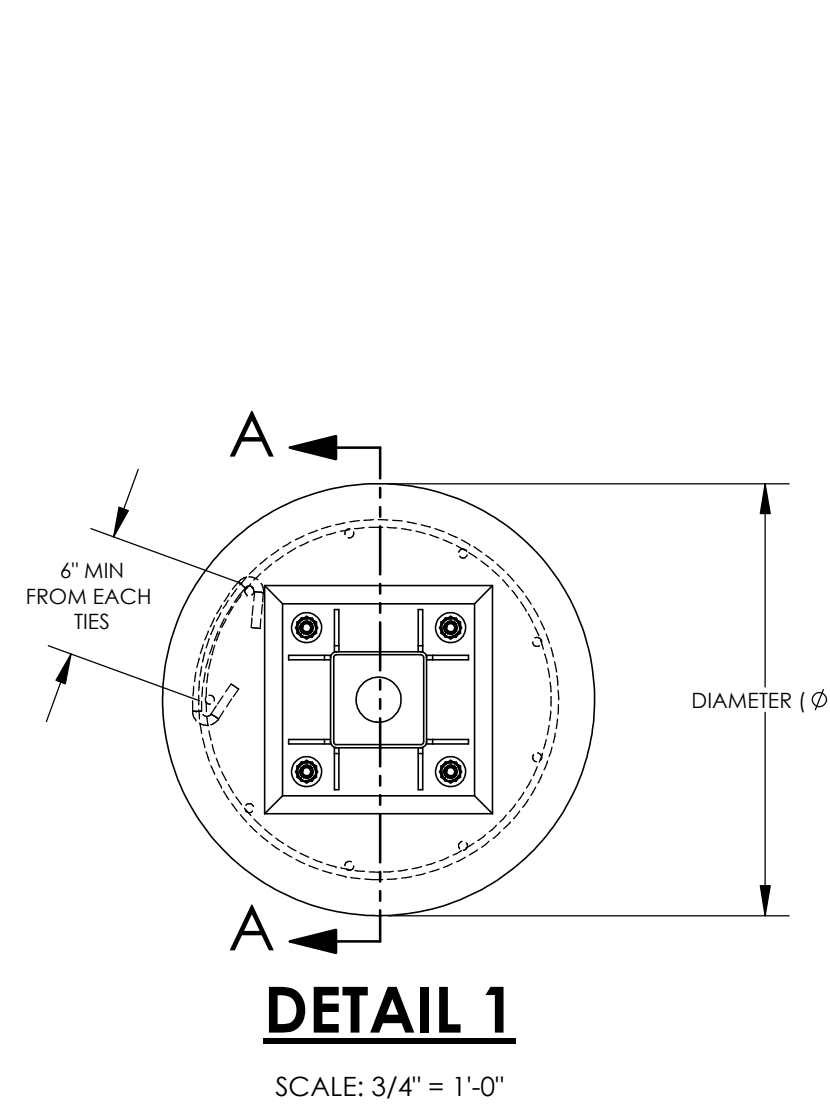
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APP: 02-124214 PC
REVIEWED FOR
SS FLS ACS CG
DATE: 7/18/2023



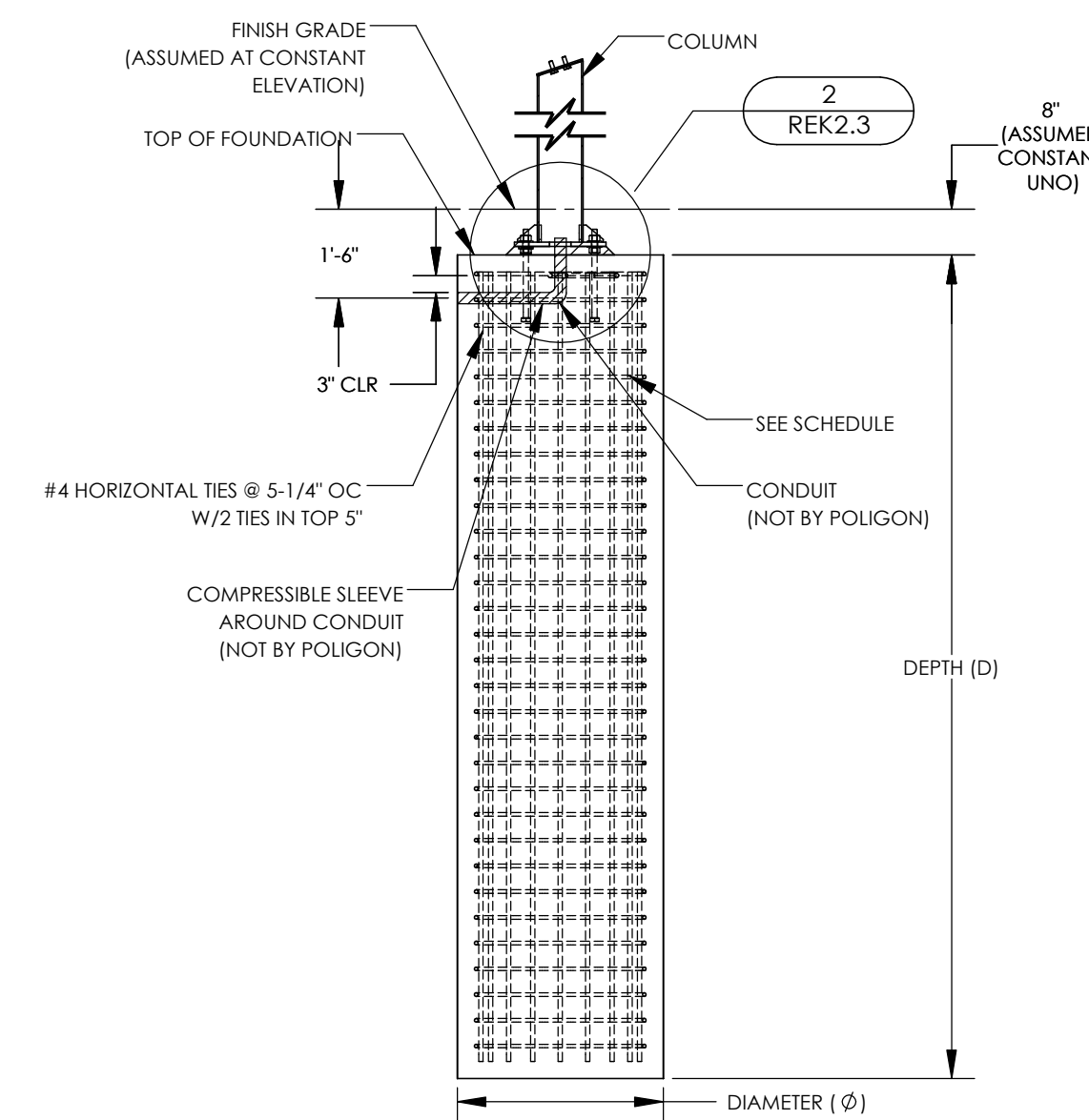
DETAIL 3
SCALE: 1/4" = 1'-0"

COLUMN BASEPLATE

3



DETAIL 1
SCALE: 3/4" = 1'-0"



SECTION A-A
SCALE: 3/8" = 1'-0"

DRILLED PIER FOUNDATION

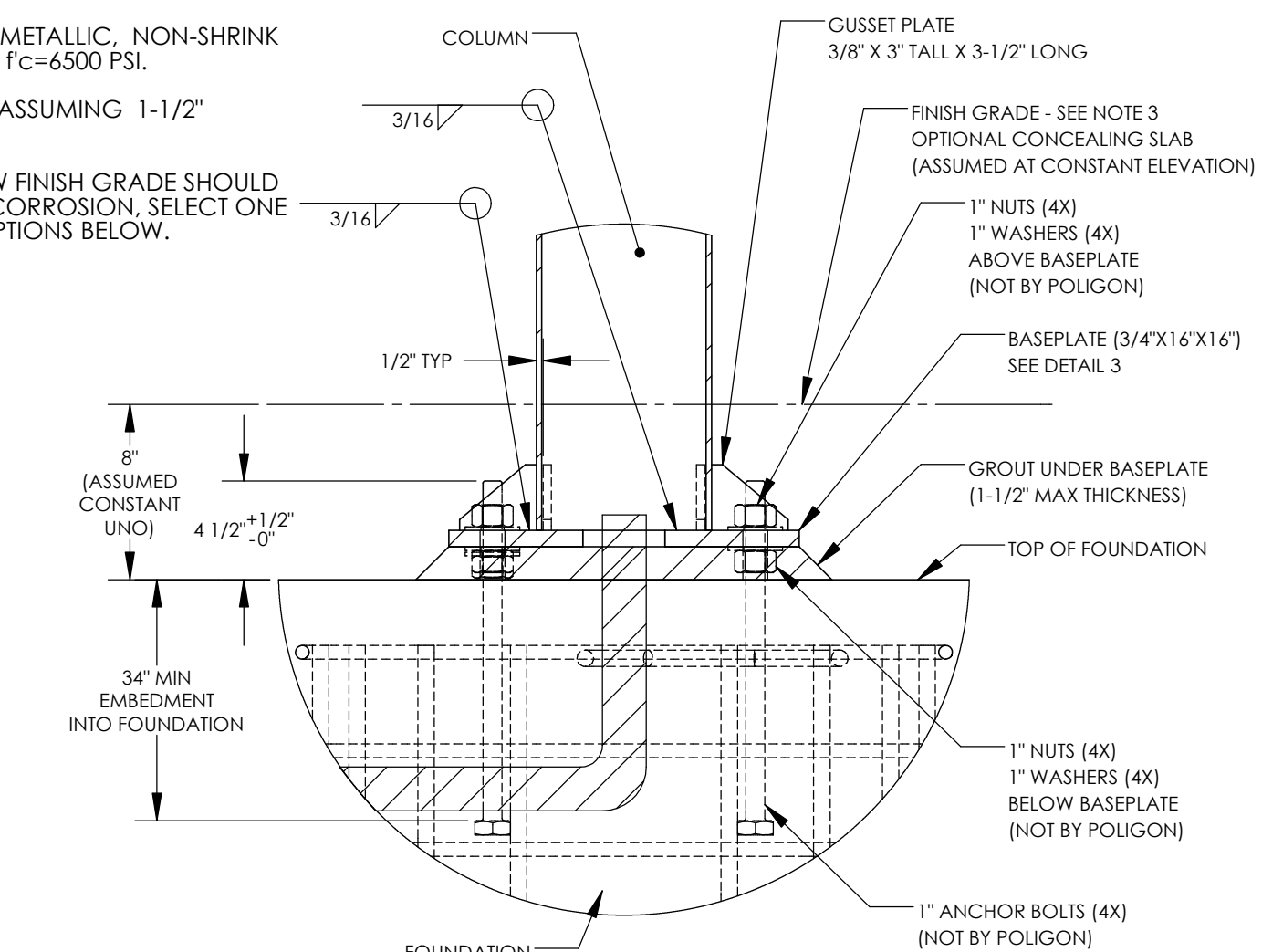
FOUNDATION REQUIREMENTS VARY PER PROJECT
SEE SHEET REK1.0 FOR REQUIRED LOAD SCENARIO AND FOUNDATION TYPE (STEP 9 OF INSTRUCTIONS)
ONLY REFERENCE COPY OF PC DRAWINGS SUBMITTED FOR THIS PROJECT

LOAD SCENARIO	DIAMETER (Ø)	DEPTH (D)	VERTICAL REINFORCING ¹	
			QTY	SIZE
1	3'-0"	11'-6"	9	#7
2	3'-0"	12'-6"	9	#7

¹EQUALLY SPACED AROUND DRILLED PIER

NOTES:

1. GROUT SHALL BE NON-METALLIC, NON-SHRINK GROUT WITH MINIMUM $f_c=6500$ PSI.
2. COLUMNS FABRICATED ASSUMING 1-1/2" GROUT PAD.
3. COLUMN BASES BELOW FINISH GRADE SHOULD BE PROTECTED FROM CORROSION. SELECT ONE OF THE FOLLOWING OPTIONS BELOW.



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

COLUMN BASE PROTECTION BELOW SURFACE COLUMN INSTALLATION
[] CONCRETE SLAB - 3" MIN ANCHOR BOLT COVER
[] MASTIC COATING - 1/4" THICK MIN COATING ON ALL STEEL SURFACES BELOW GRADE

1

COLUMN BASEPLATE AND ANCHOR BOLTS

2

PRE-CHECK (PC) DOCUMENT
CODE: 2022 CBC
A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRED.

FOUNDATION PLAN
DRILLED PIER

CABLE ROOF - REK 30

REK2.3

IDENTIFICATION STAMP
 DIV. OF THE STATE ARCHITECT
 APP: 02-124307 INC:
 REVIEWED FOR
 SS FLS ACS
 DATE: 06/16/2026

4835 P. AZA, GOLDEN RIDGE, CIRCLE
 SUITE II
 CAMERON PARK, CA 95822
 (916) 777-0016



poligon
 PORTER
 A PLACE FOR EVERYTHING



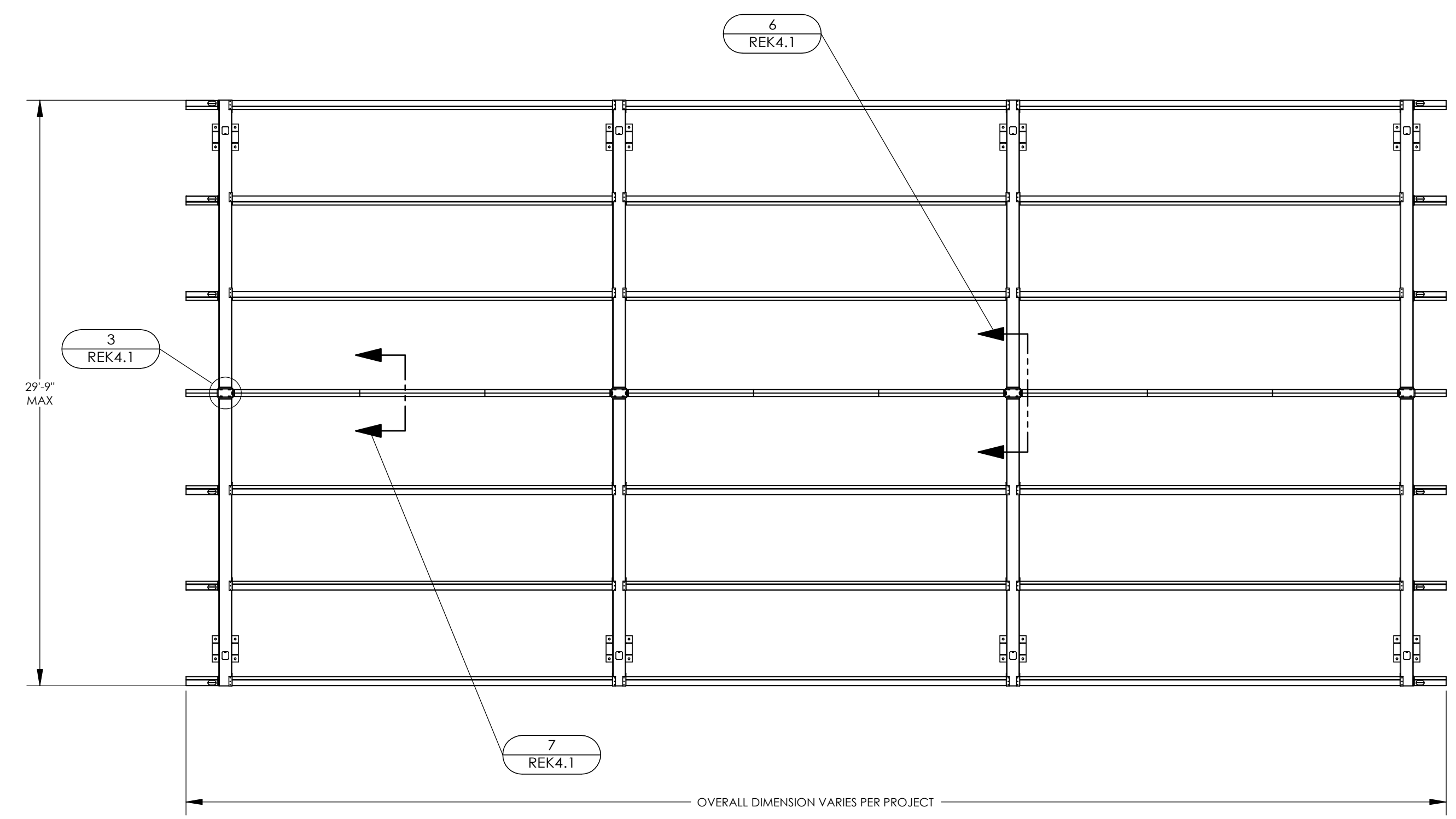
IDENTIFICATION STAMP
 DIV. OF THE STATE ARCHITECT
 APP: 02-124307 PC
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**PRE-CHECK (PC)
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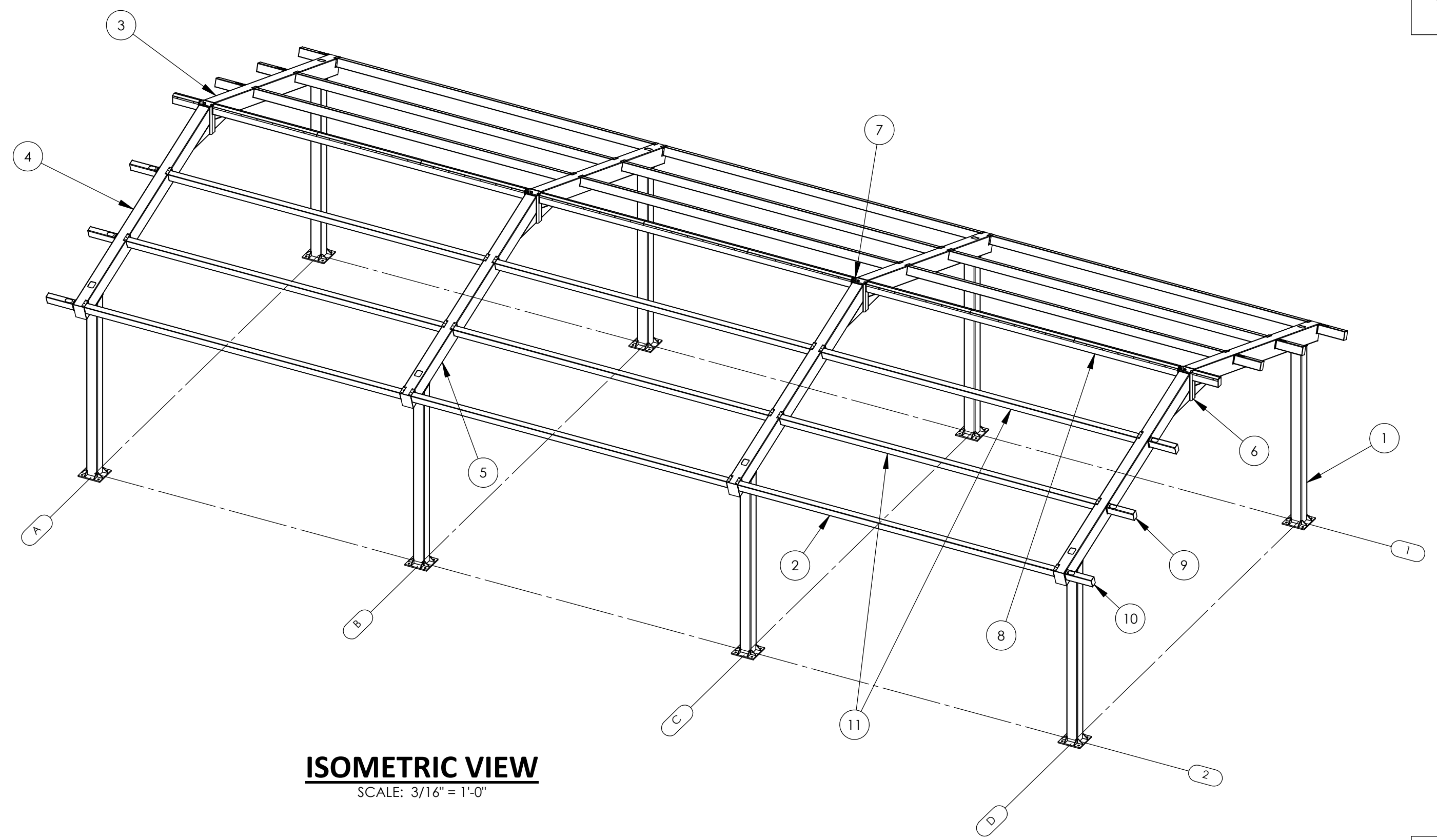
FRAMING PLAN

GABLE ROOF - REK 30

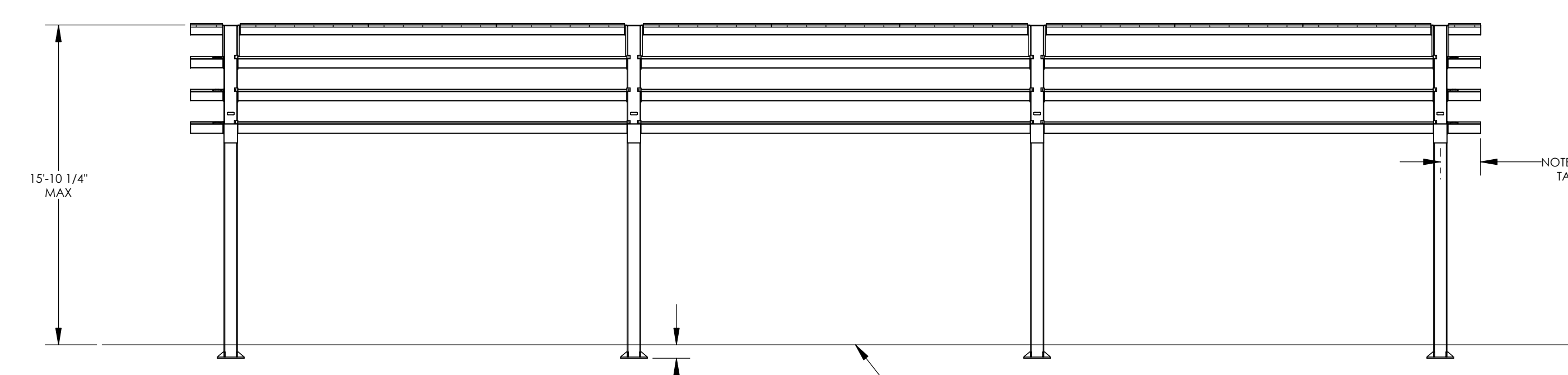
REK3.1



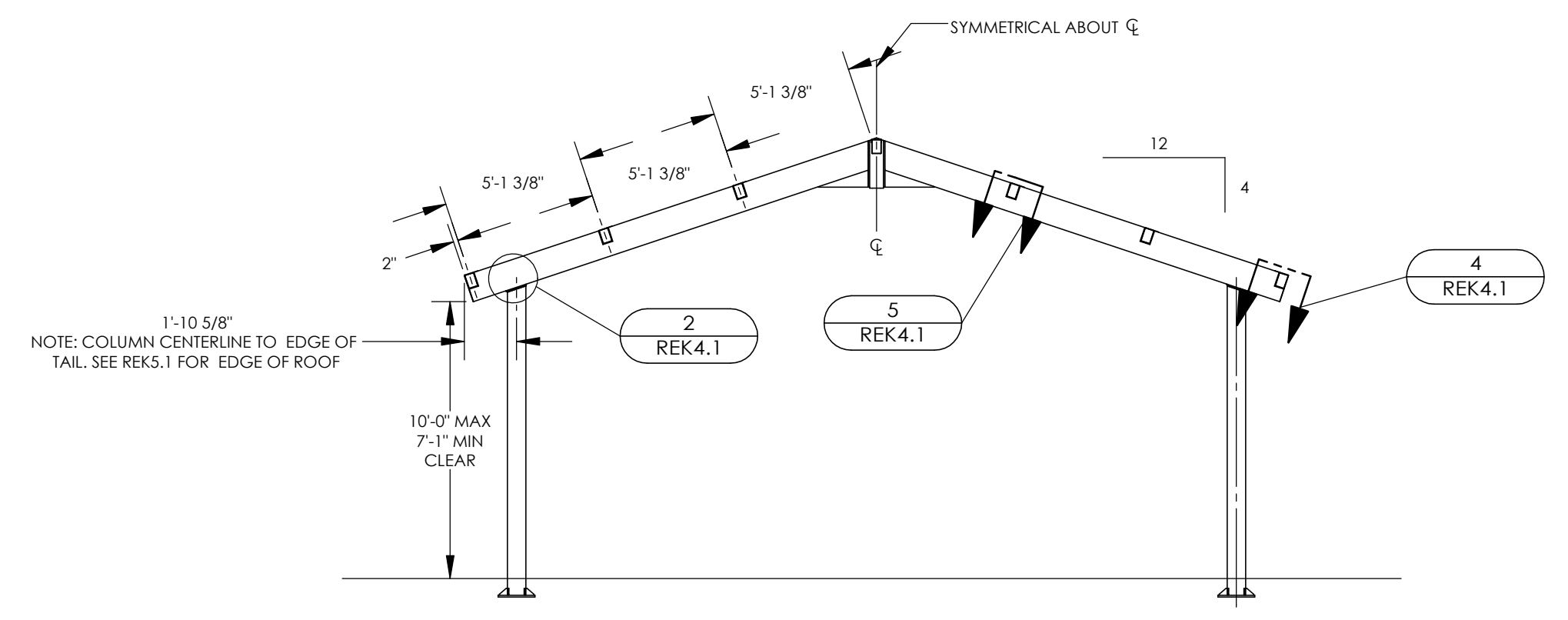
PLAN VIEW
 SCALE: 3/16" = 1'-0"



ISOMETRIC VIEW
 SCALE: 3/16" = 1'-0"

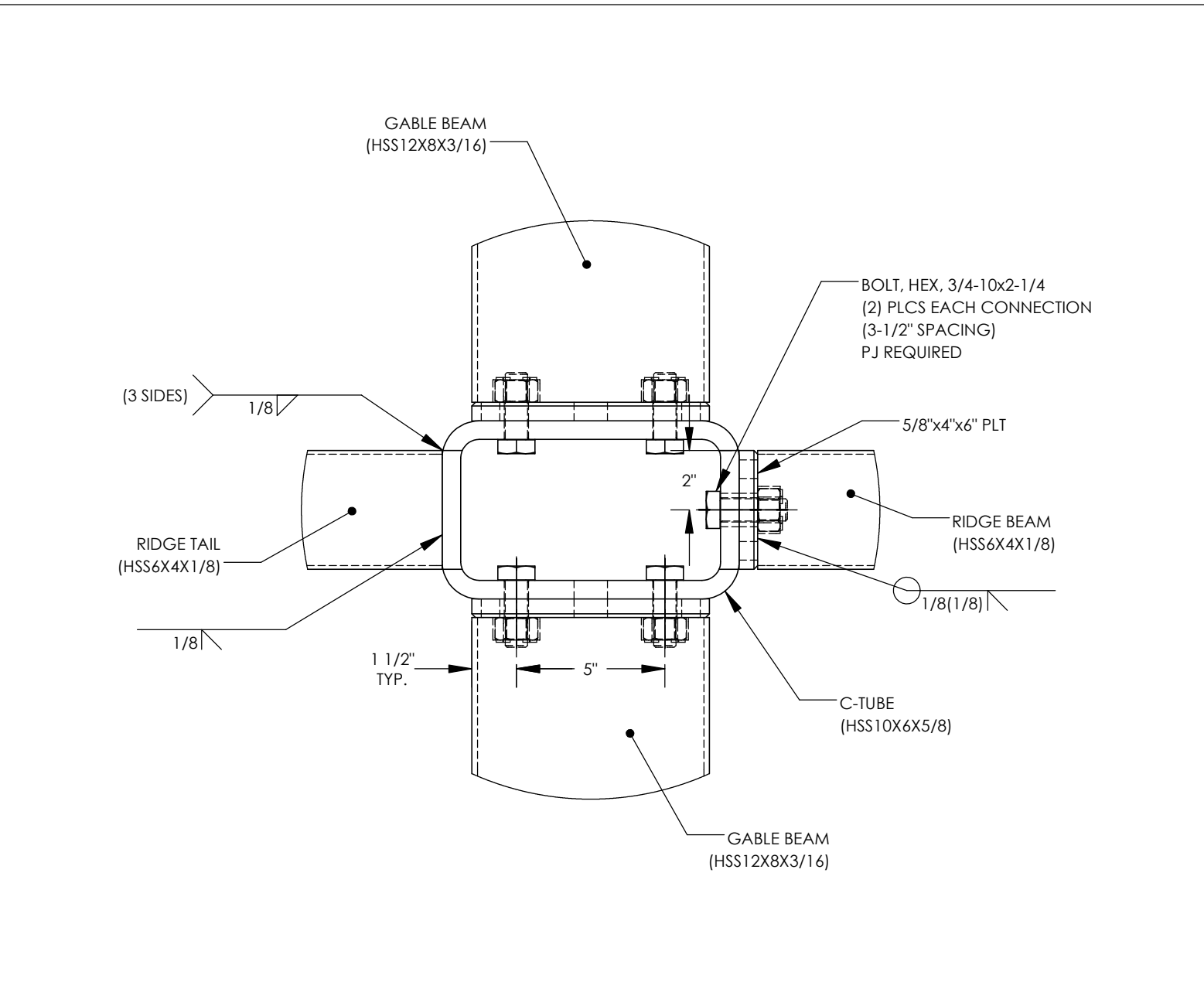
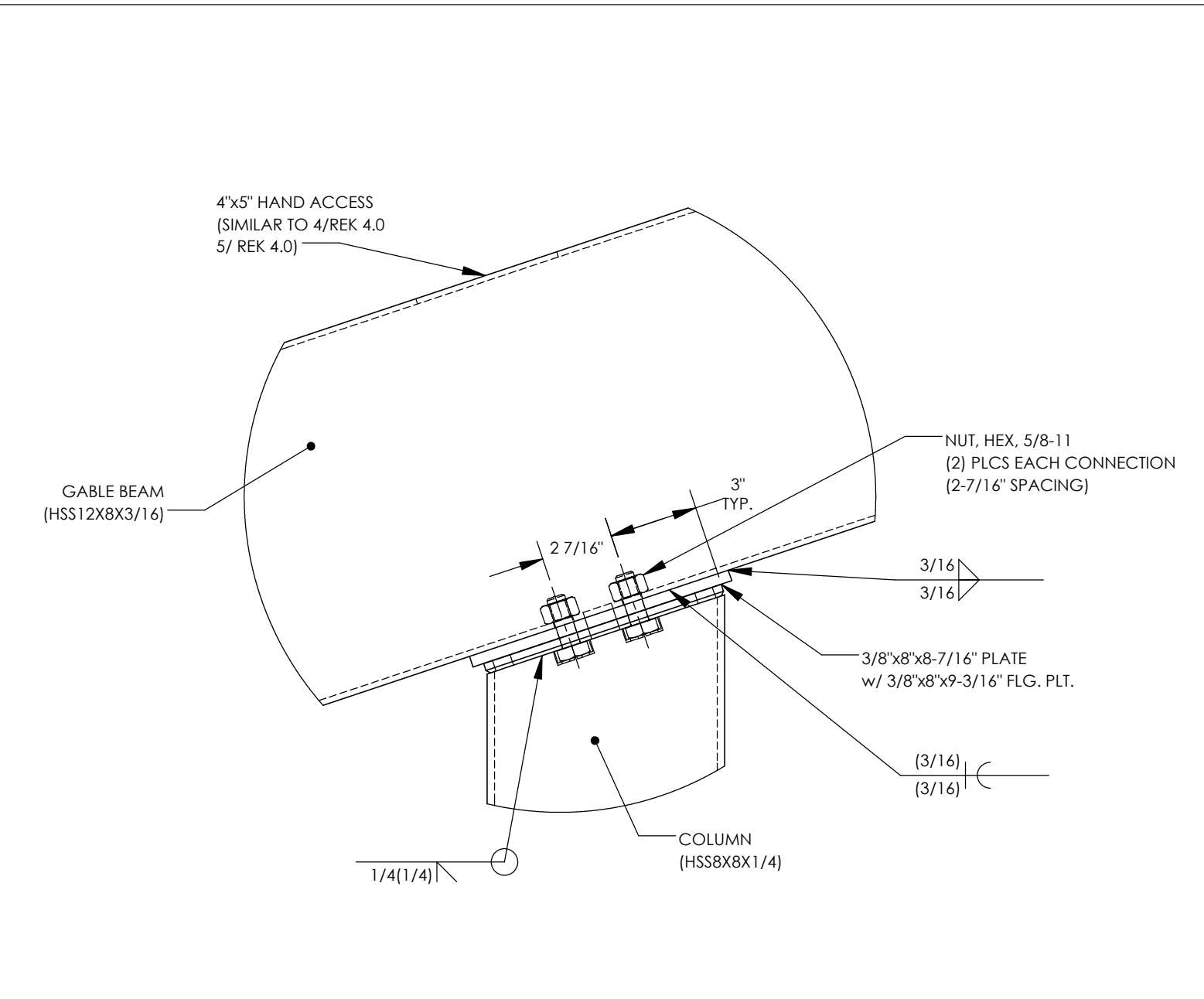
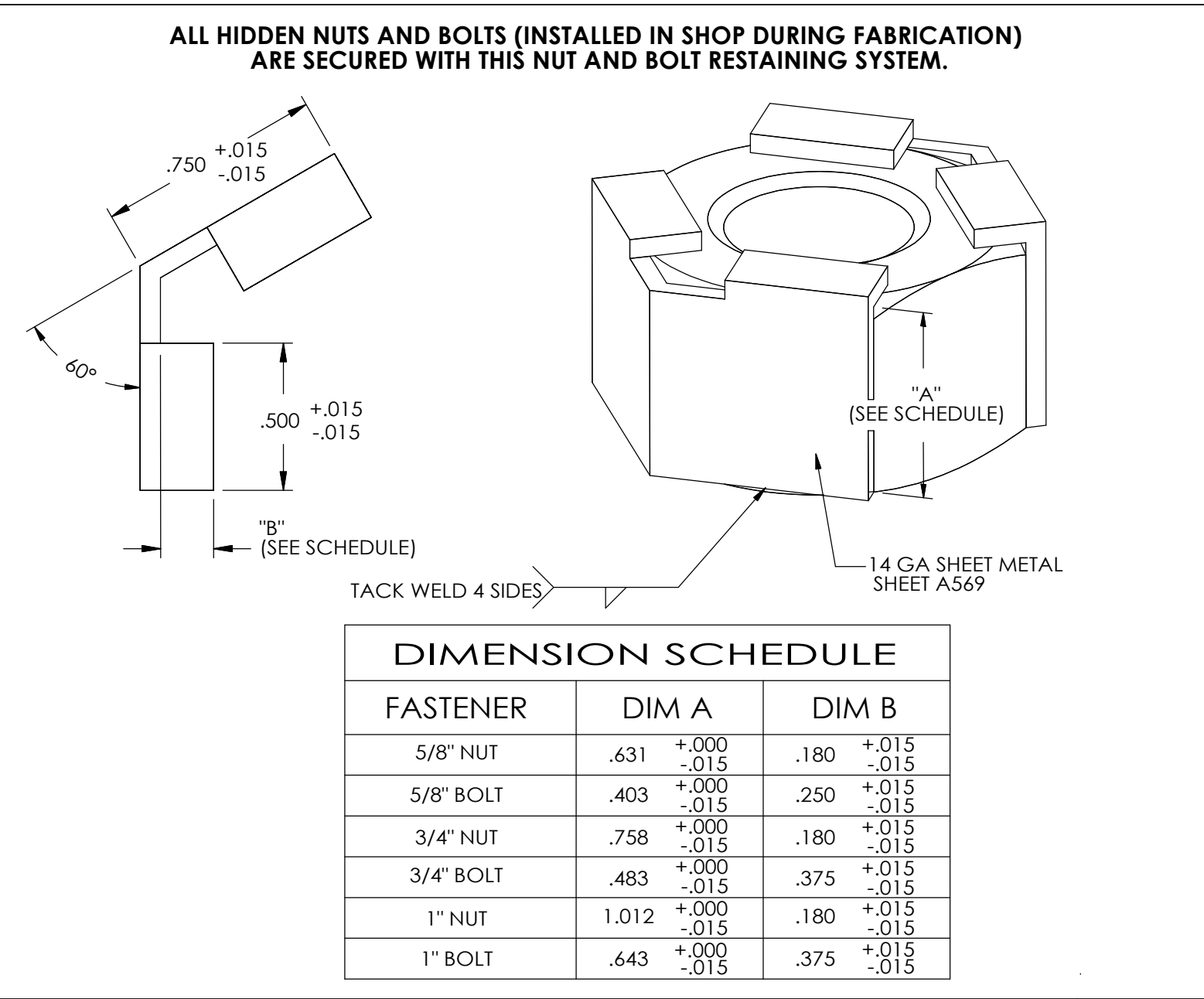


FRONT ELEVATION
 SCALE: 3/16" = 1'-0"



SIDE ELEVATION
 SCALE: 3/16" = 1'-0"

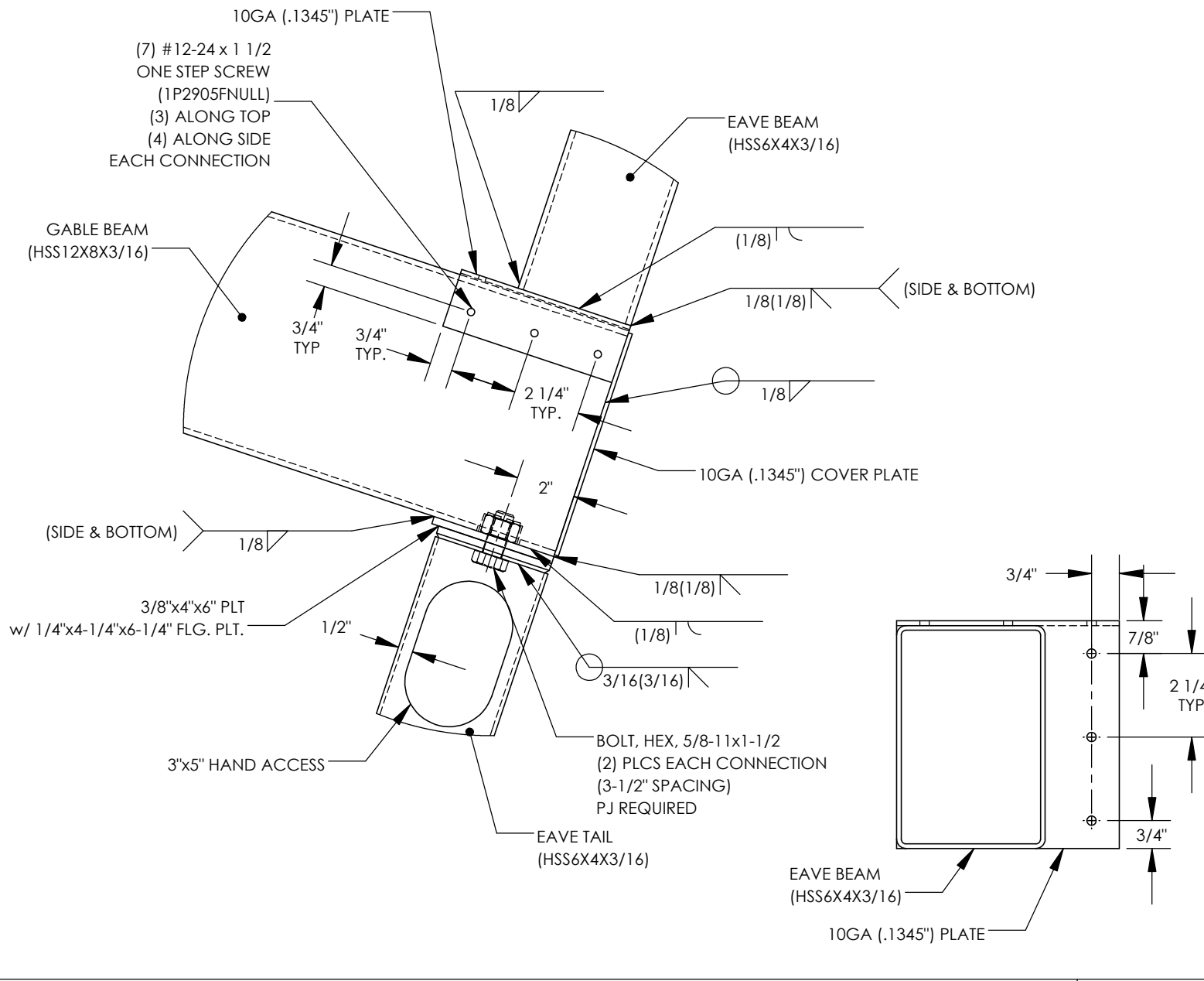
ITEM	QTY.	PART NO.	DESCRIPTION	MATERIAL	WEIGHT
11	12	-	PURLIN ASM	HSS6X4X3/16	235.90
10	4	-	EAVE BEAM TAIL ASM	HSS6X4X3/16	15.81
9	8	-	PURLIN TAIL ASM	HSS6X4X3/16	21.67
8	3	-	RIDGE BEAM ASM	HSS6X4X1/8	162.30
7	2	-	MID C-TUBE ASM	HSS10X6X5/8	100.89
6	2	-	END C-TUBE ASM	HSS10X6X5/8	114.86
5	4	-	GABLE BEAM 3 ASM	HSS12X8X3/16	428.21
4	2	-	GABLE BEAM 2 ASM	HSS12X8X3/16	433.72
3	2	-	GABLE BEAM 1 ASM	HSS12X8X3/16	433.72
2	6	-	EAVE BEAM ASM	HSS6X4X3/16	235.90
1	8	-	COLUMN 1 ASM	HSS8X8X1/4	347.39
ITEM	QTY.	PART NO.	DESCRIPTION	MATERIAL	WEIGHT



NUT & BOLT RESTRAINING SYSTEM **1**

GABLE BEAM CONNECTION @ COLUMN **2**

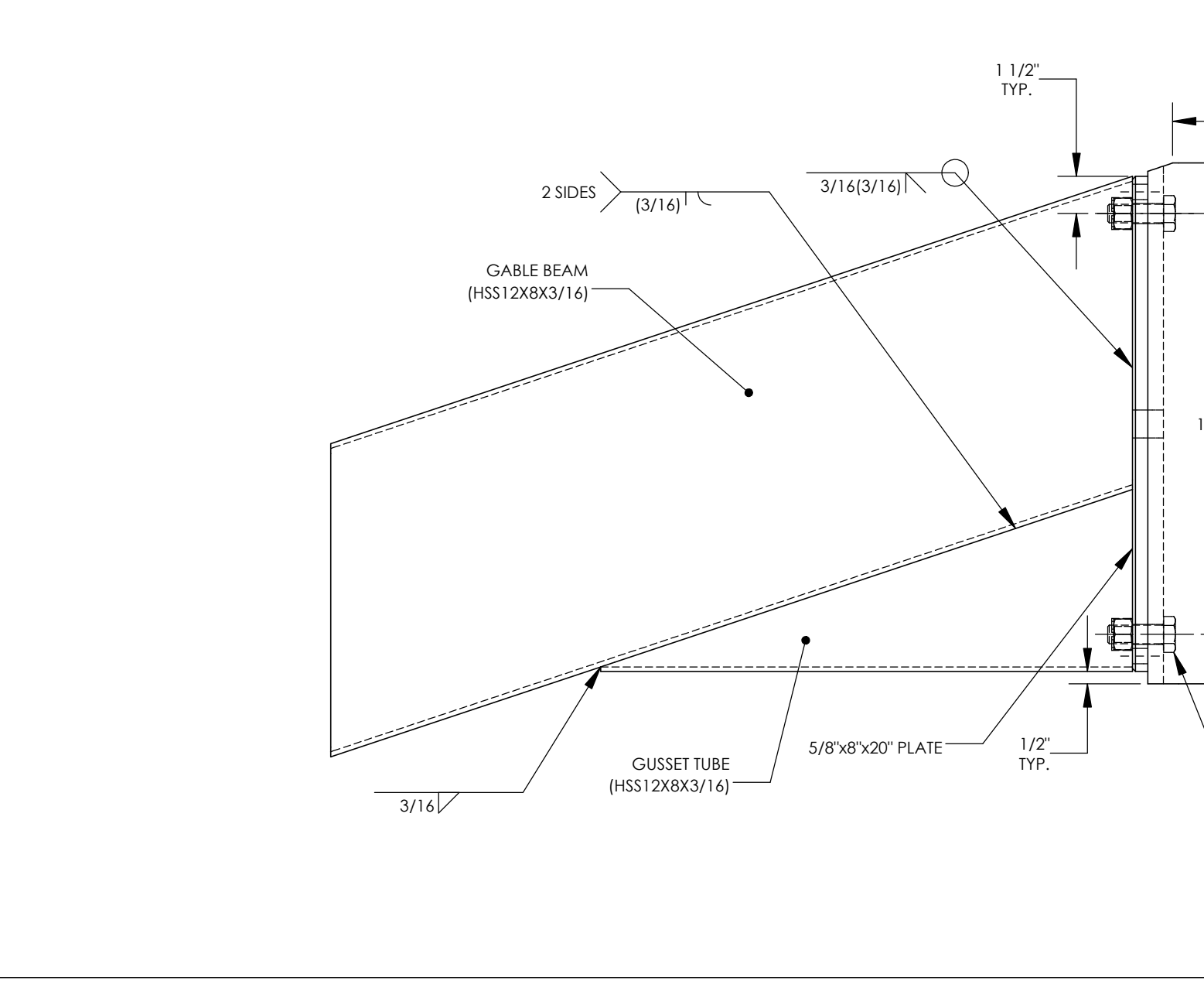
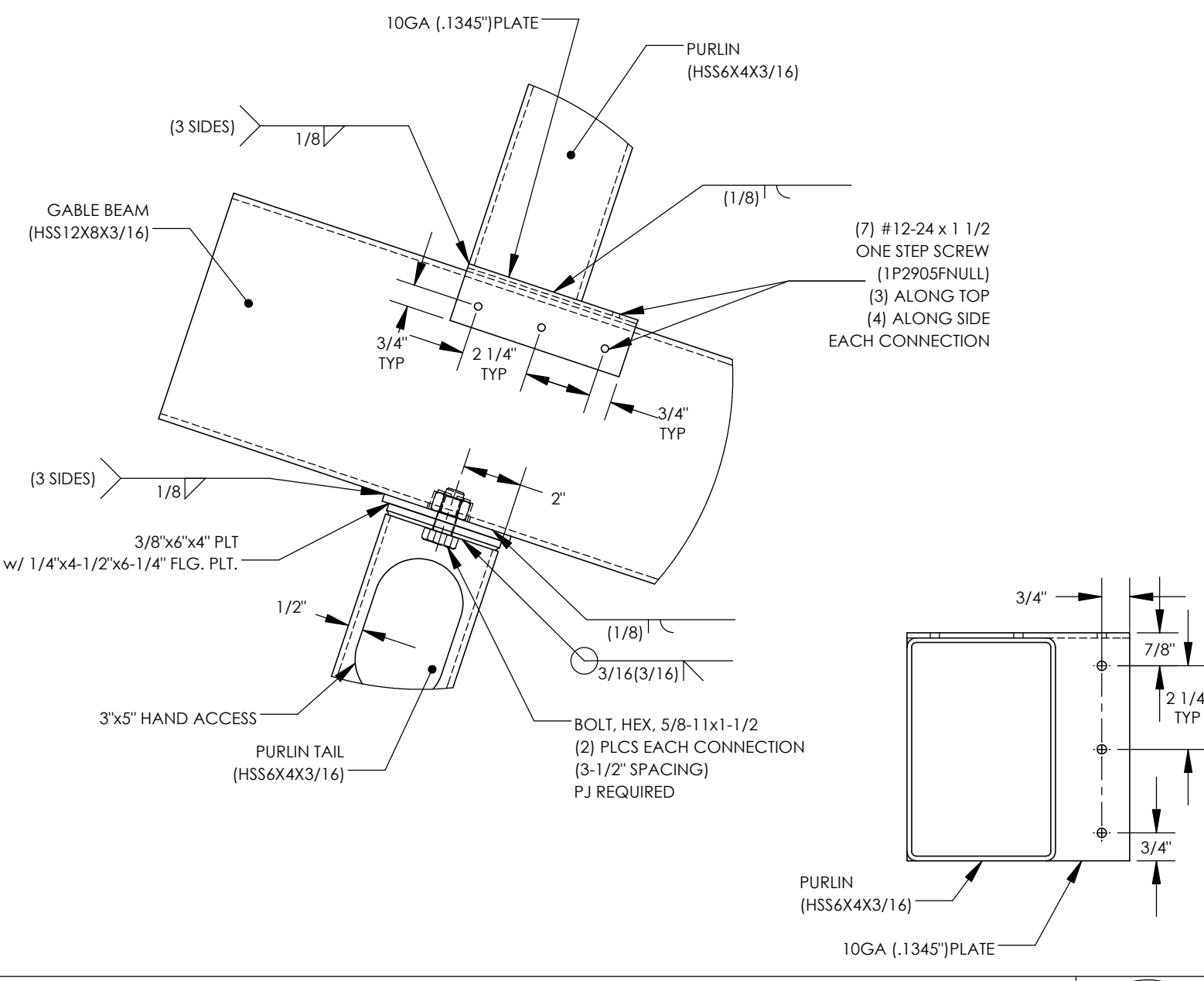
RIDGE BEAM AND RIDGE TAIL CONNECTION @ COMPRESSION TUBE **3**



EAVE BEAM AND EAVE TAIL CONNECTION @ GABLE BEAM **4**

GABLE BEAM CONNECTION @ COMPRESSION TUBE **6**

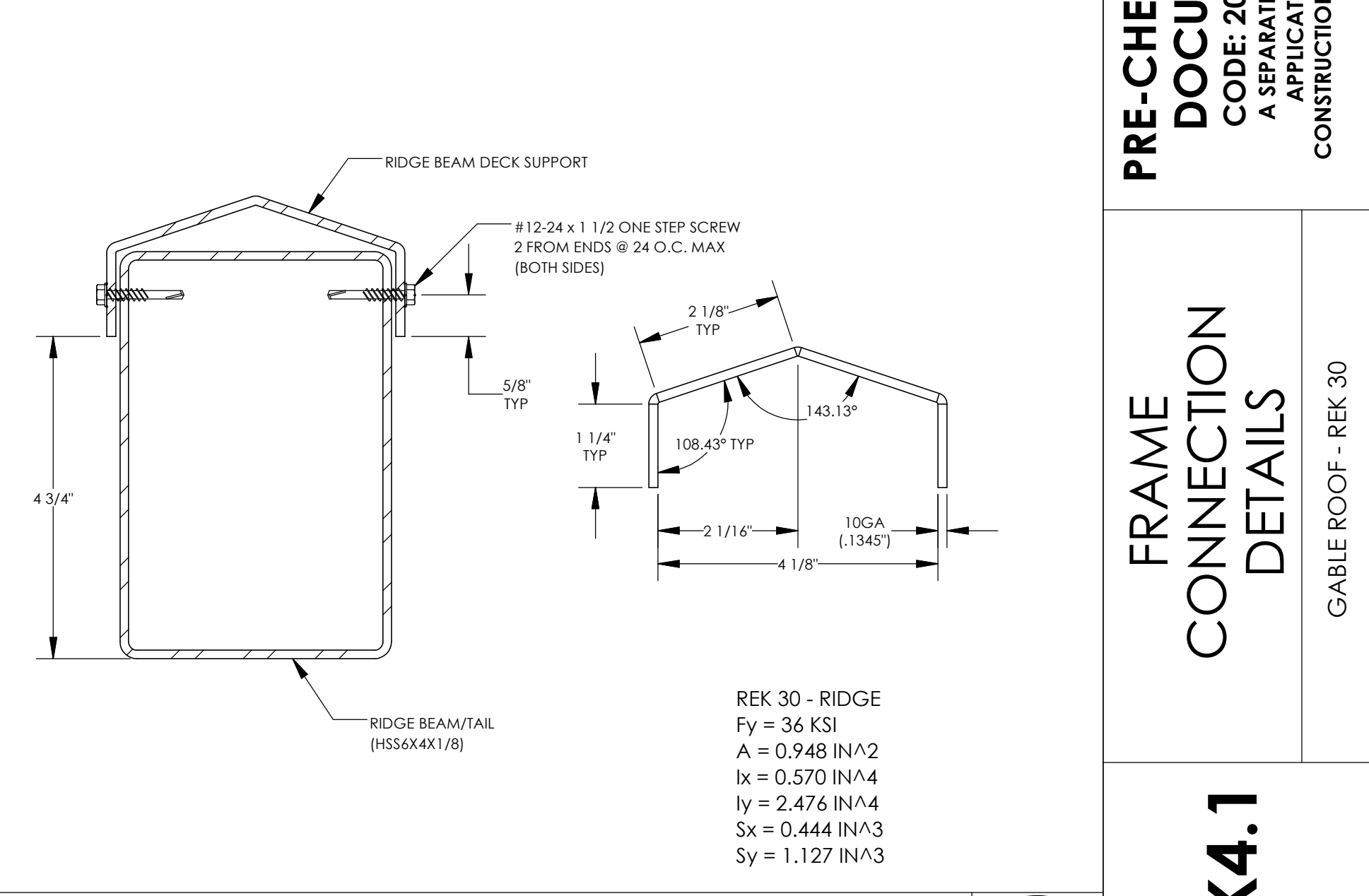
RIDGE BEAM AND RIDGE TAIL DECK SUPPORT **7**



PURLIN AND PURLIN TAIL CONNECTION @ GABLE BEAM **5**

GABLE BEAM CONNECTION @ COMPRESSION TUBE **6**

RIDGE BEAM AND RIDGE TAIL DECK SUPPORT **7**



PURLIN AND PURLIN TAIL CONNECTION @ GABLE BEAM **5**

GABLE BEAM CONNECTION @ COMPRESSION TUBE **6**

RIDGE BEAM AND RIDGE TAIL DECK SUPPORT **7**

STATE APPROVALS-SITE
IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-124307 INC:
REVIEWED FOR
SS FLS ACS
DATE: 06/16/2026

403 P. AZA, GOLDEN RUC, TRIPLE
SUITE 11,
CHAMPION TOWER, 24, 98882
590 877 0016
GHD

poligon
PORTER
STRUCTURAL ENGINEERS

REGISTERED PROFESSIONAL ENGINEER
JESSICA E. HANER
No. 55476
STRUCTURAL ENGINEERING
STATE OF CALIFORNIA

STATE APPROVALS-PC
IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-124314 PC
REVIEWED FOR
SS FLS ACS CG
DATE: 7/18/2023

PRE-CHECK (PC)
DOCUMENT
CODE: 2022 CBC
A SEPARATE PROJECT
APPLICATION FOR
CONSTRUCTION IS REQUIRED.

FRAME
CONNECTION
DETAILS
GABLE ROOF - REK 30
REK4.1

STATE APPROVALS-SITE

IDENTIFICATION STAMP
 DIV. OF THE STATE ARCHITECT
 APP: 02-124307 INC:
 REVIEWED FOR
 SS FLS ACS
 DATE: 06/16/2026

4833 PLAZA GOLDEN GATE CIRCLE
 SUITE 11
 CAMPBELL CA 95008
 (925) 877-0010

GHD

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PORTER
 ARCHITECTS INC.

REGISTERED PROFESSIONAL ENGINEER
 JESSICA E. NAPER
 No. 55476
 STRUCTURAL
 STATE OF CALIFORNIA

STATE APPROVALS-PC

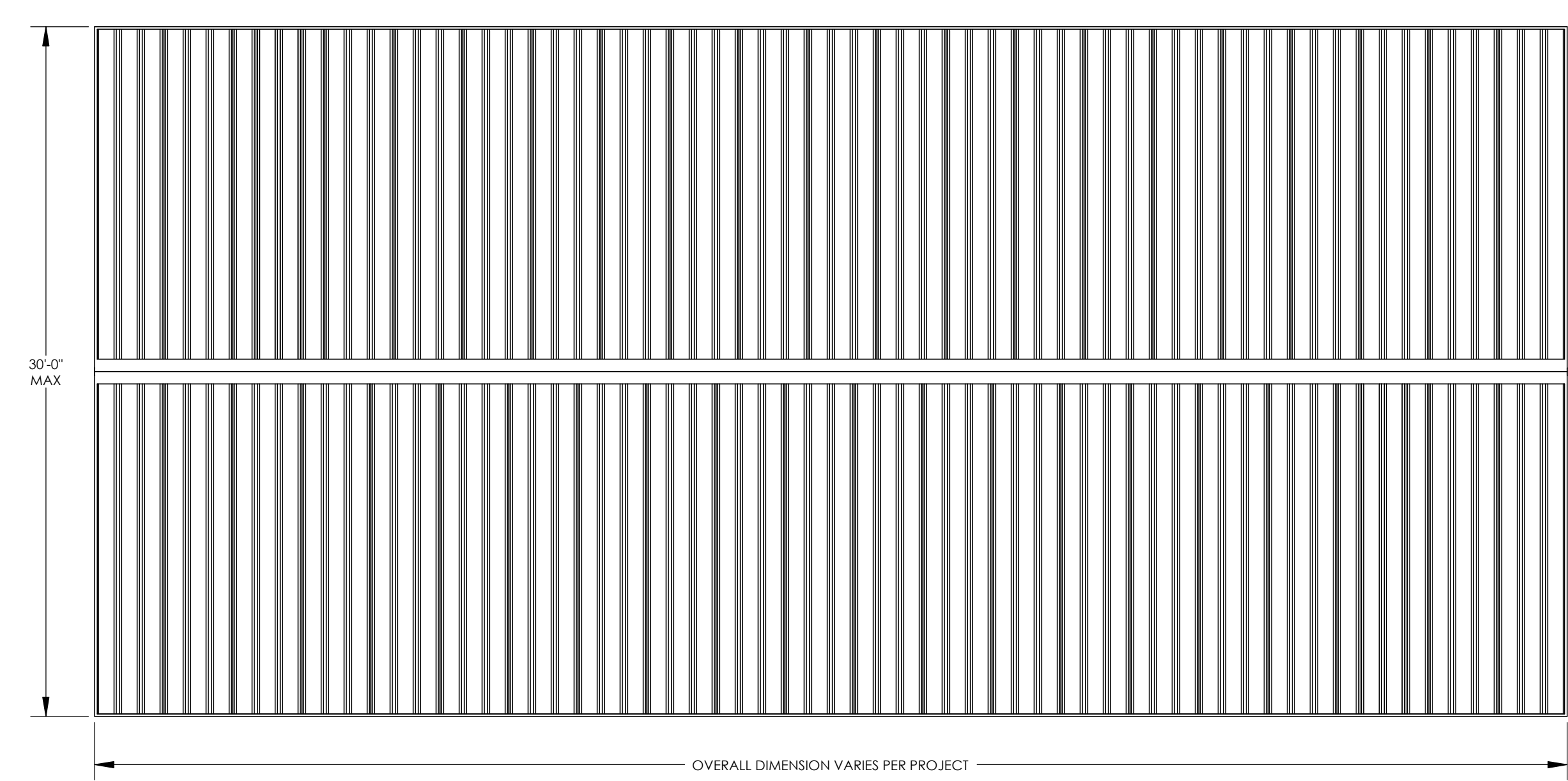
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 DIV. OF THE STATE ARCHITECT
 APP: 02-124307 PC
 REVIEWED FOR
 SS FLS ACS CG
 DATE: 7/18/2025~~

**PRE-CHECK (PC)
 DOCUMENT**
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 A SEPARATE PROJECT
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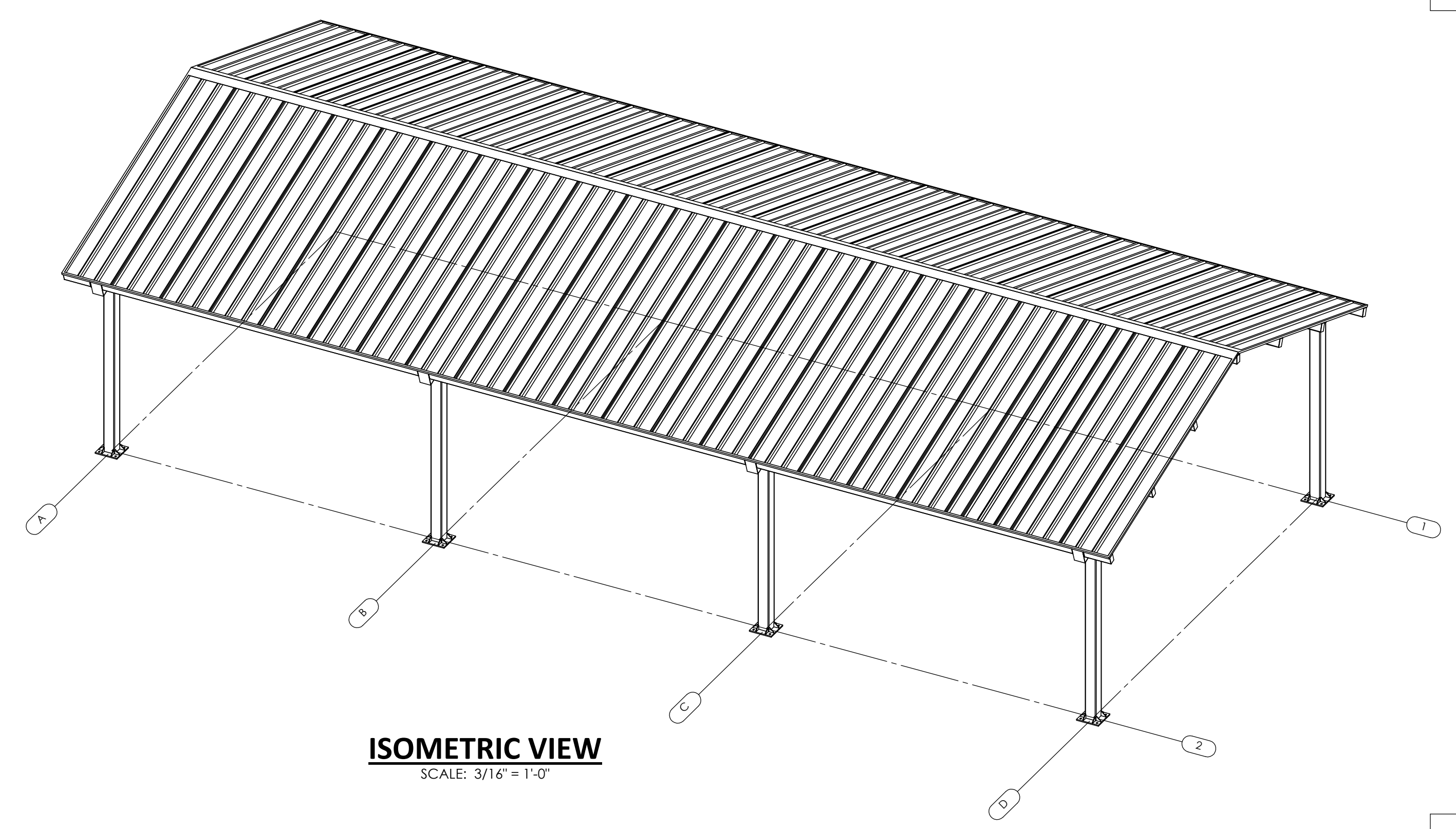
**ARCHITECTURAL
 VIEWS**

GABLE ROOF - REK 30

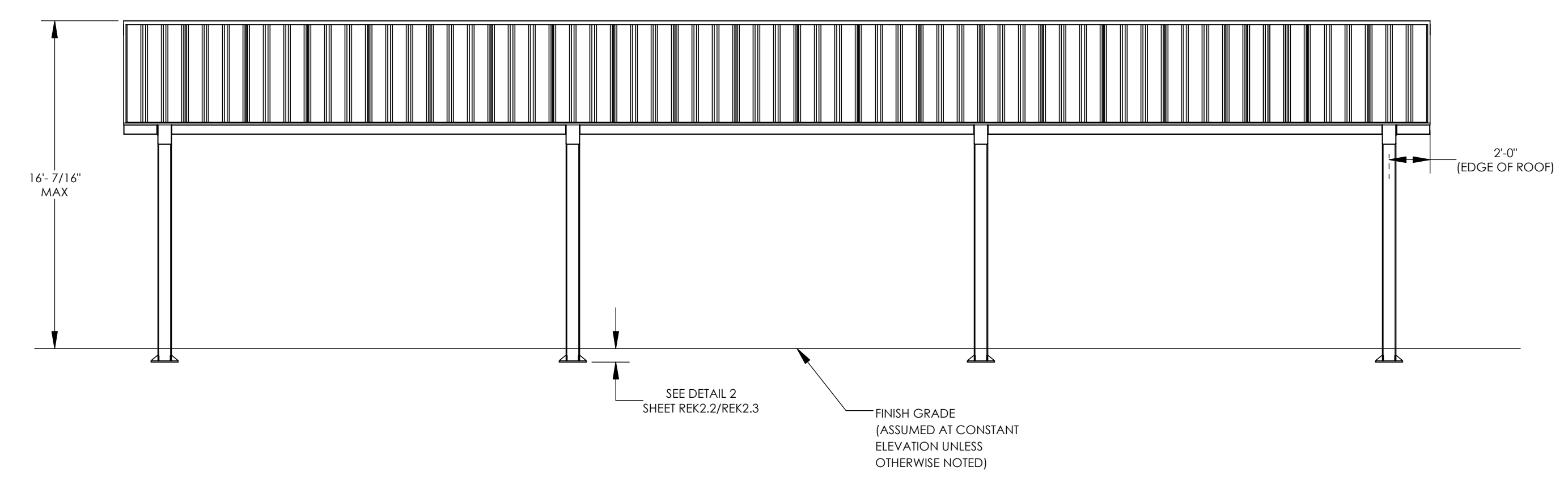
REK5.1



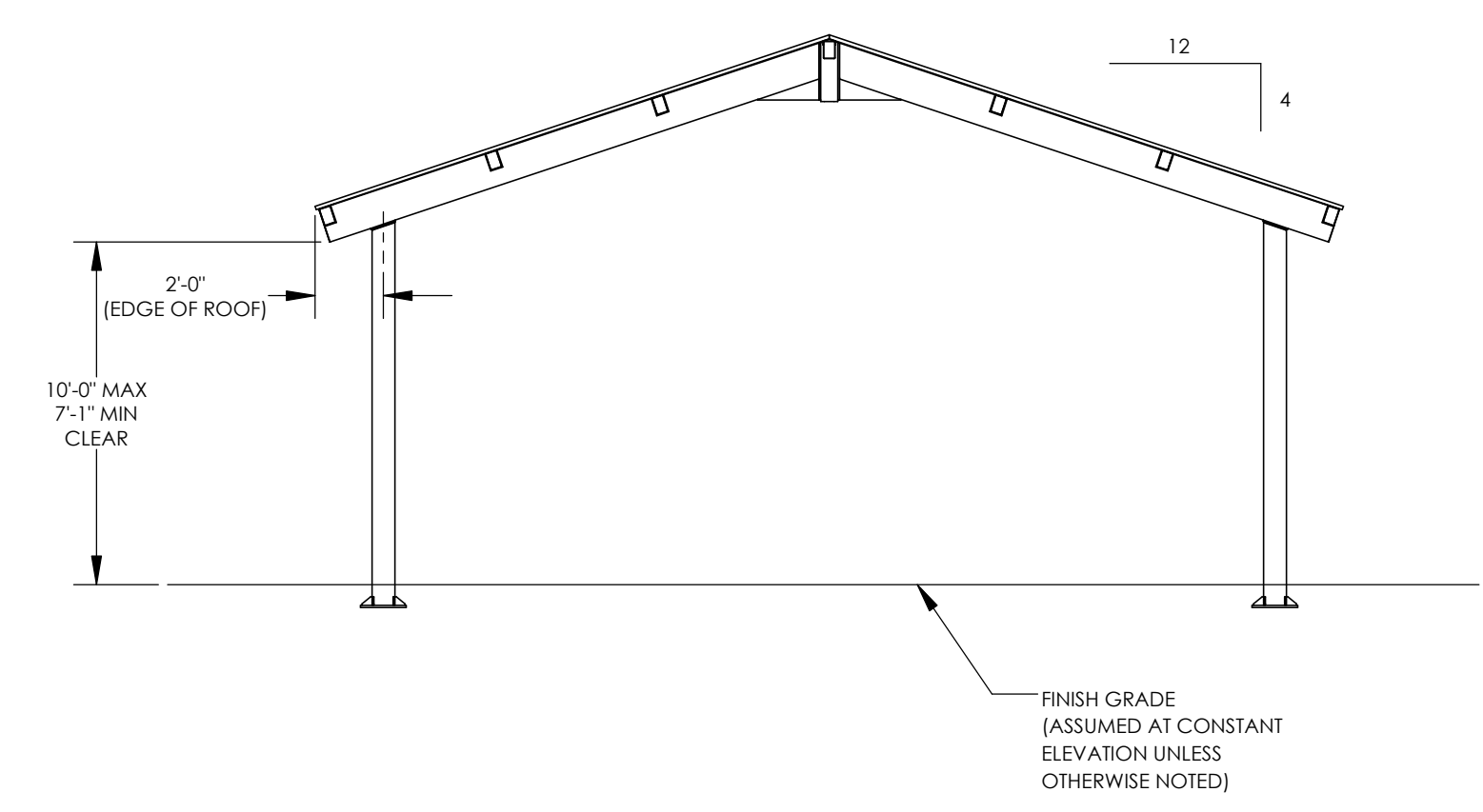
PLAN VIEW
 SCALE: 3/16" = 1'-0"



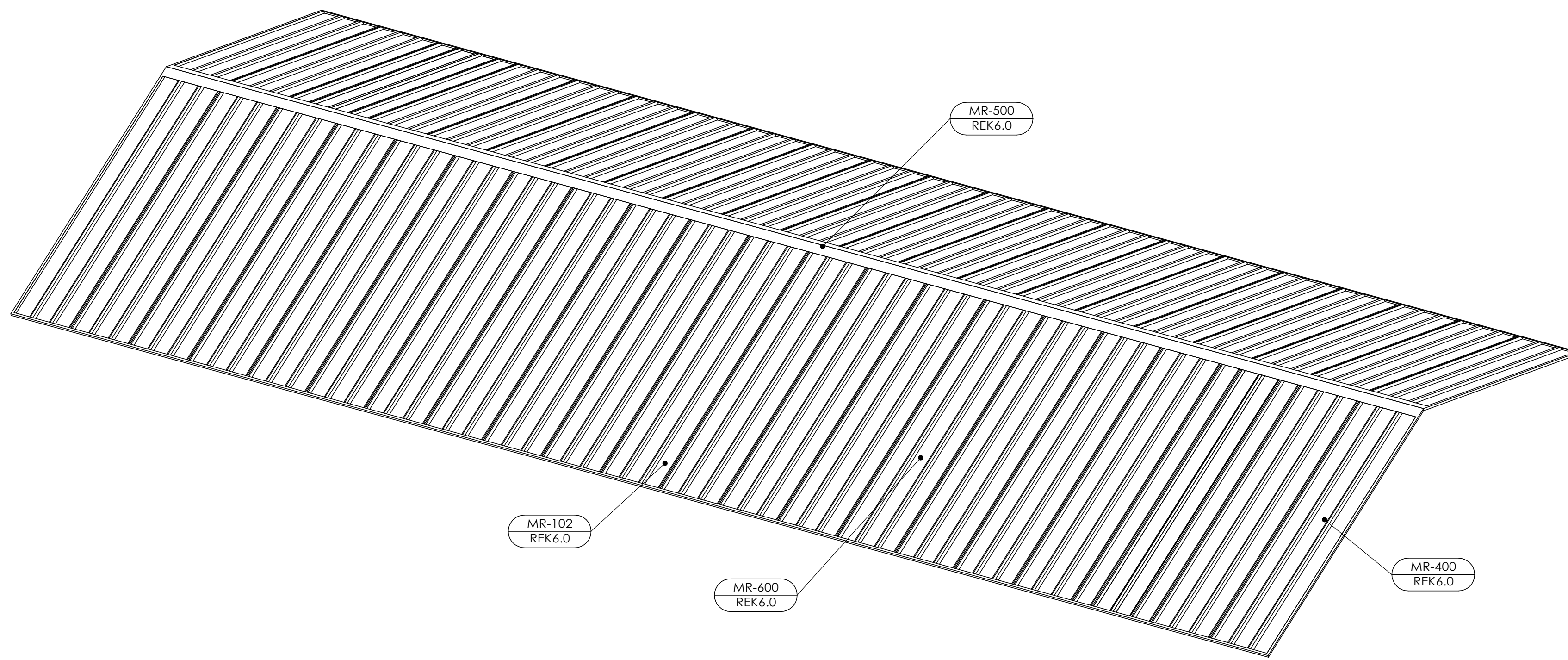
ISOMETRIC VIEW
 SCALE: 3/16" = 1'-0"



FRONT ELEVATION
 SCALE: 3/16" = 1'-0"



SIDE ELEVATION
 SCALE: 3/16" = 1'-0"



MULTI-RIB NOTES:

THE DETAILS SHOWN ARE SUGGESTIONS OR GUIDELINES ON HOW TO ERECT THE SYSTEMS. THE INFORMATION SHOWN IS ACCURATE, BUT IT IS NOT INTENDED TO COVER ALL INSTANCES, BUILDING REQUIREMENTS, DESIGNS OR CODES. THE DETAILS MAY REQUIRE CHANGES OR REVISIONS DUE TO FIELD CONDITIONS.

IT SHALL BE THE RESPONSIBILITY OF THE ERECTOR TO ENSURE THAT THE DETAILS MEET PARTICULAR BUILDING REQUIREMENTS AND TO ASSURE ADEQUATE WATER TIGHTNESS.

THE ERECTOR SHOULD THOROUGHLY FAMILIARIZE HIMSELF/HERSELF WITH ALL ERECTION INSTRUCTIONS BEFORE STARTING WORK.

THE PANELS SHOULD BE INSTALLED PLUMB, STRAIGHT, AND ACCURATELY TO THE ADJACENT WORK.

FLASHING AND TRIM SHALL BE INSTALLED TRUE, AND IN PROPER ALIGNMENT, WITH ANY EXPOSED FASTENERS EQUALLY SPACED FOR THE BEST APPEARANCE.

SEALANT SHALL BE FIELD APPLIED ON DRY, CLEAN SURFACES. SOME FIELD CUTTING AND FITTING OF PANELS AND FLASHING IS TO BE EXPECTED BY THE ERECTOR AND MINOR FIELD CORRECTIONS ARE A PART OF NORMAL ERECTION WORK.

WORKMANSHIP SHALL BE OF THE BEST INDUSTRY STANDARDS AND INSTALLATION SHALL BE PERFORMED BY EXPERIENCED METAL CRAFTSMEN.

METAL SHAVINGS FROM DRILLING OR INSTALLATION OF ROOF FASTENERS MUST BE CAREFULLY REMOVED FROM THE ROOF BY BRUSHING OR SWEEPING AT THE END OF EACH DAY DURING INSTALLATION. SHAVINGS LEFT ON THE ROOF WILL QUICKLY RUST AND STAIN THE ROOF FINISH.

COVER ACCESS HOLES WITH GRACE ICE AND WATER SHIELD BEFORE ATTACHING ROOF DECK.

METAL ROOFING PRODUCT AND INSTALLATION SHALL MEET ALL REQUIREMENTS OF UL 580.

STATE APPROVALS-SITE

IDENTIFICATION STAMP
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SS FLS ACS
DATE: 06/16/2026

403 P. AZA GOLDEN RIDGE DRIVE
SUITE 11
CHAPARRAL, CA 91782
951-877-0016

GHD

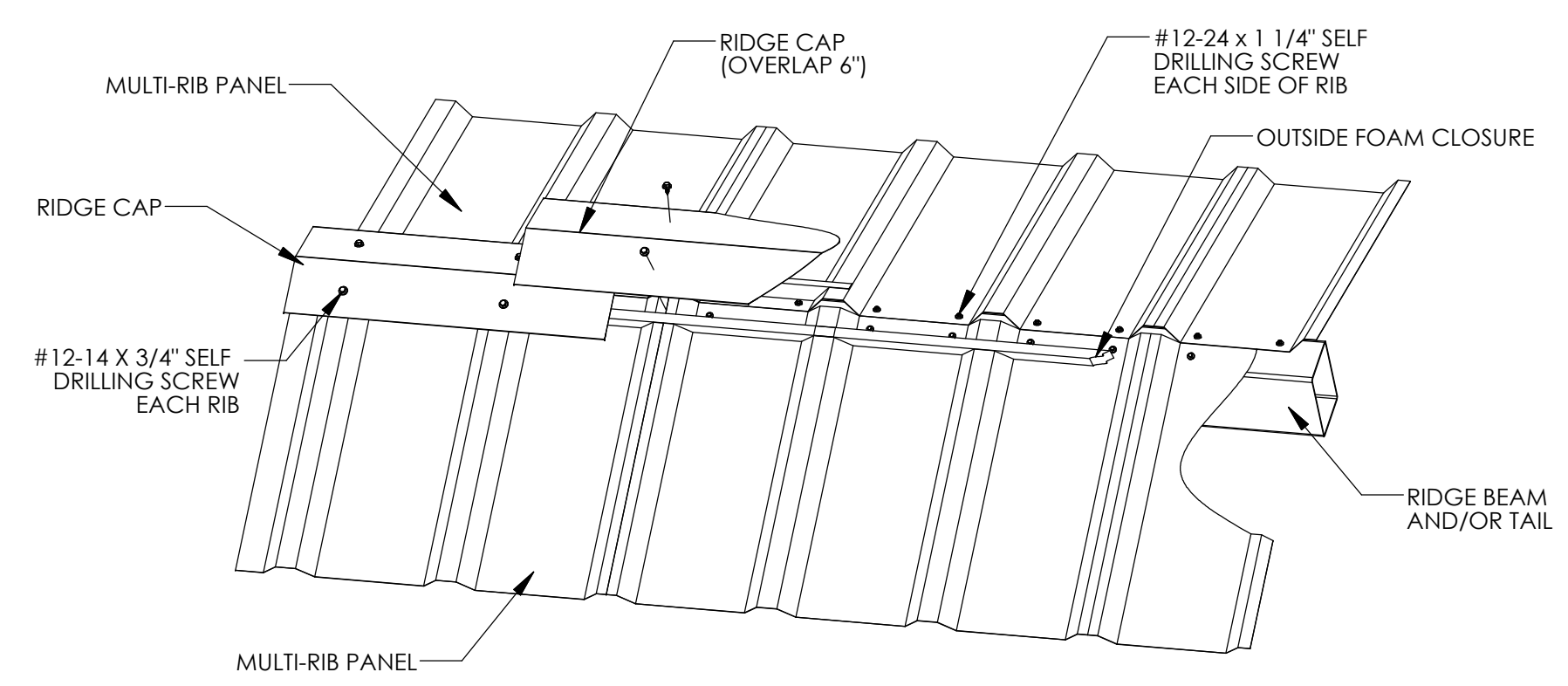
poligon

PORTER

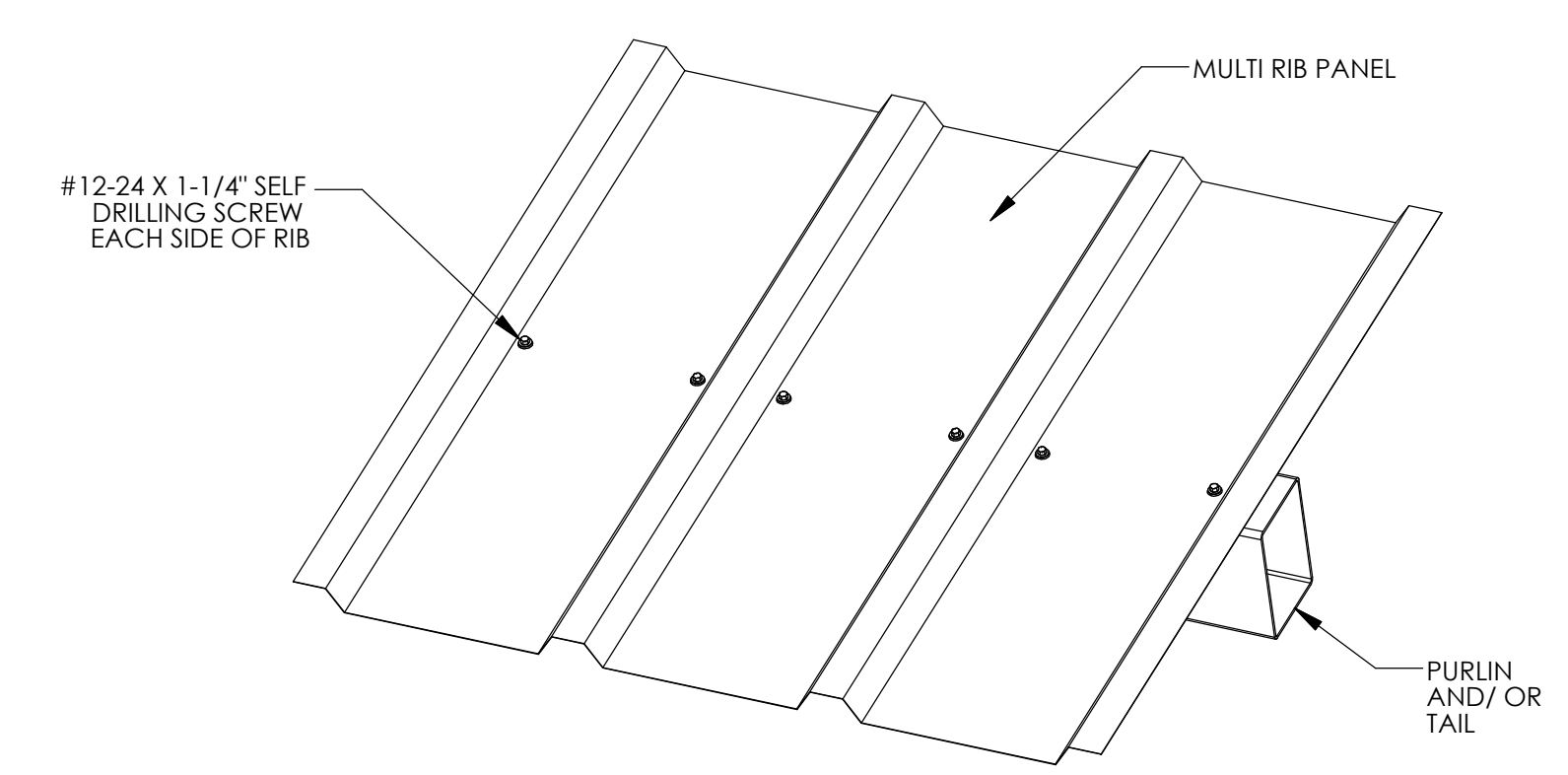
REGISTERED PROFESSIONAL ENGINEER
JESSICA E. NAPER
No. 55478
STRUCTURAL
STATE OF CALIFORNIA

STATE APPROVALS-PC

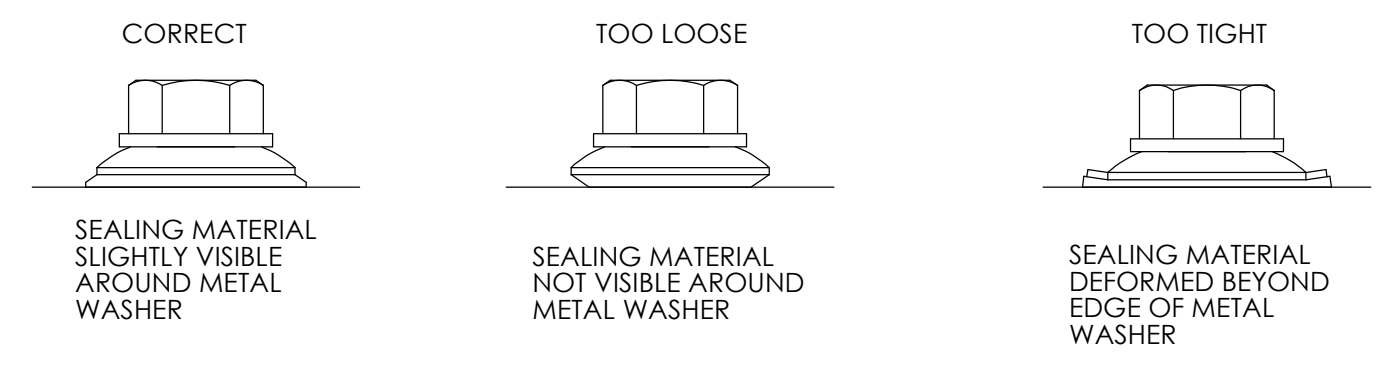
IDENTIFICATION STAMP
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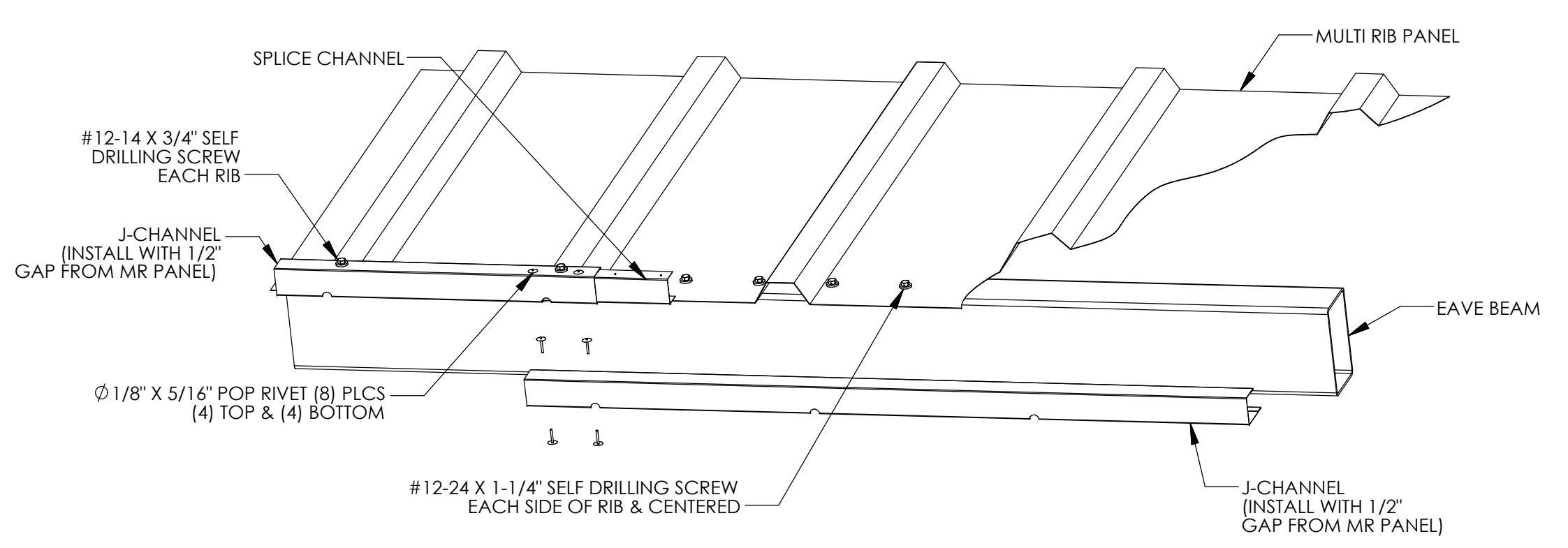
RIDGE DETAIL MR-500



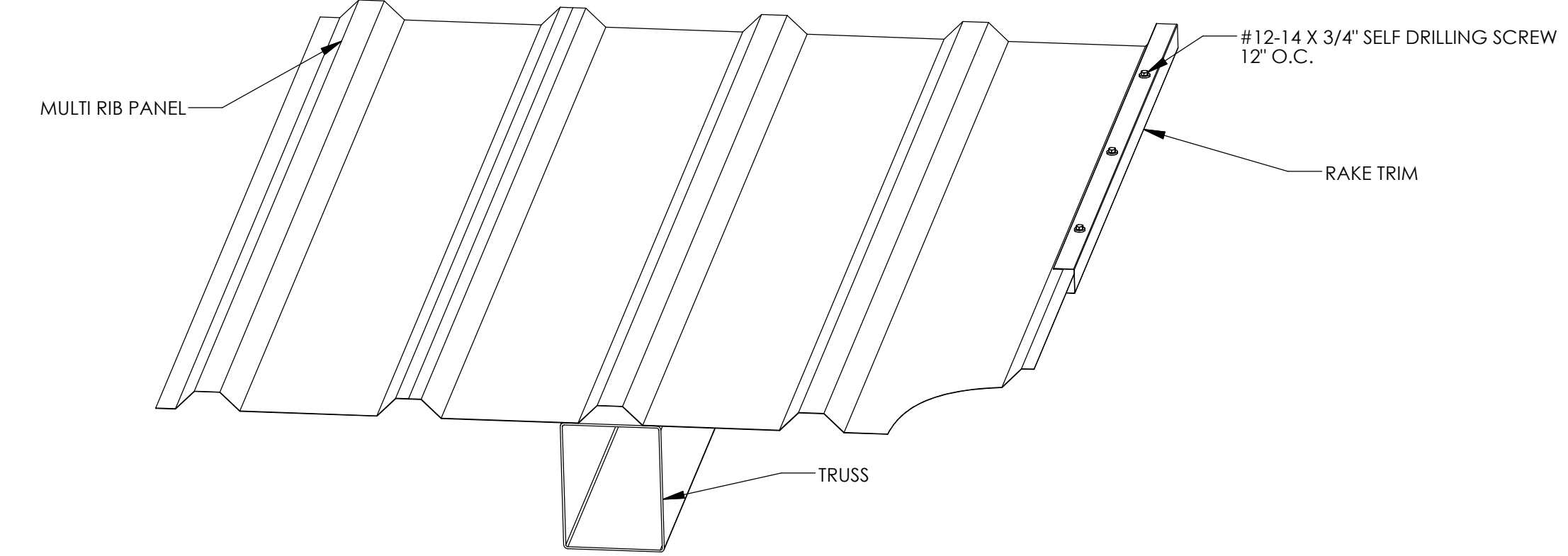
PURLIN DETAIL MR-600



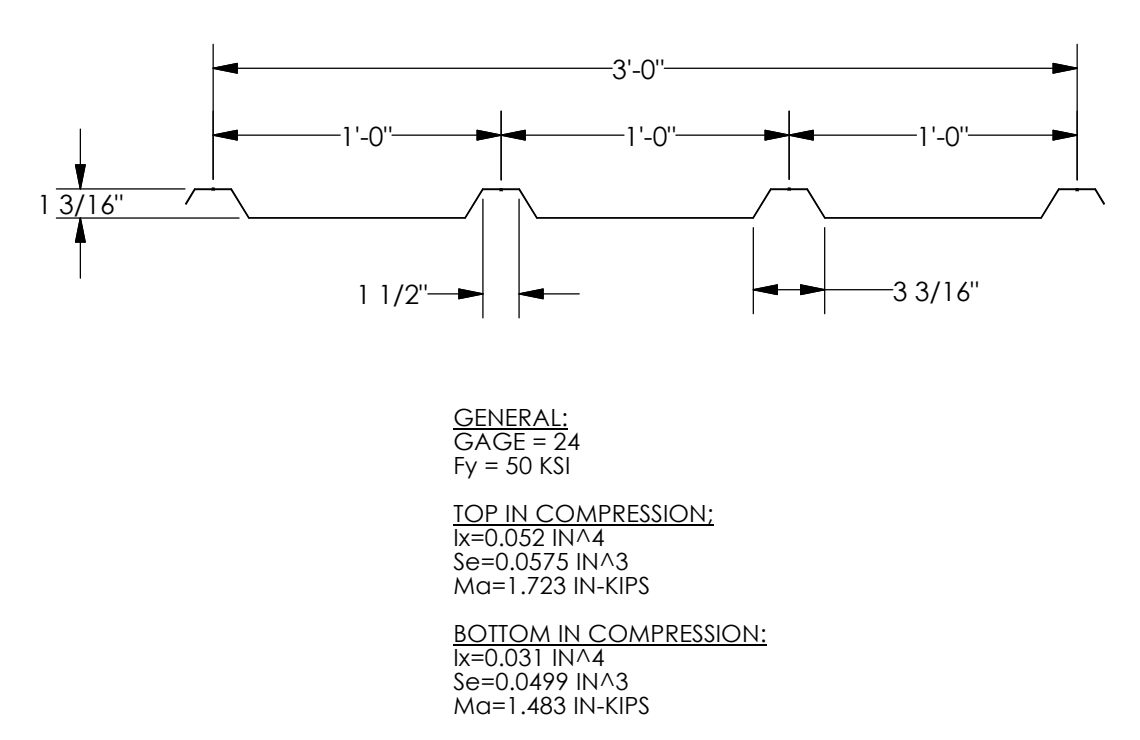
ROOF FASTENER TIGHTENING MR-950



EAVE DETAIL MR-102



RAKE DETAIL MR-400



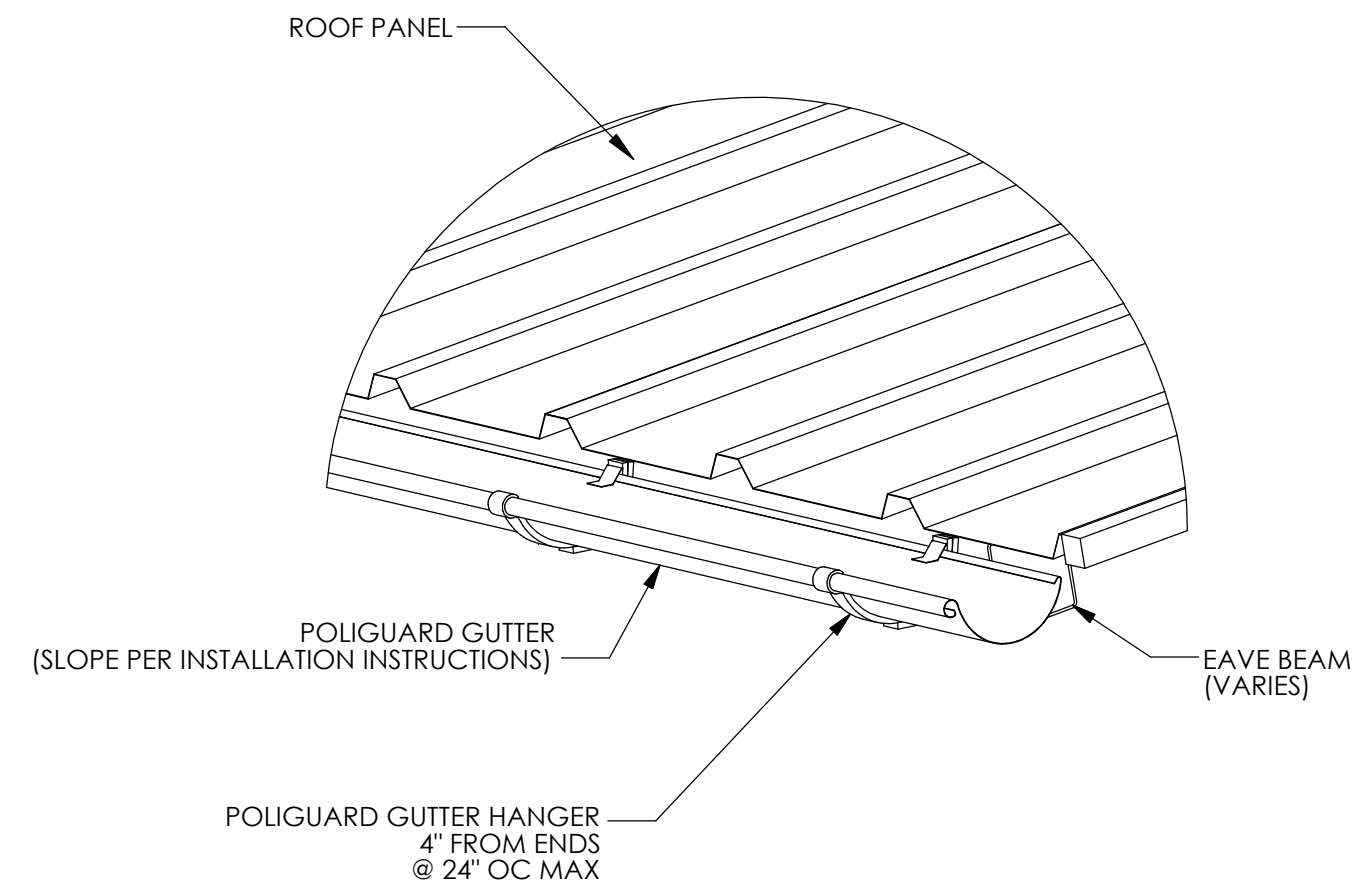
MR ROOF DECK SECTION PROPERTIES MR-951

PRE-CHECK (PC)
DOCUMENT
CODE: 2022 CBC
A SEPARATE PROJECT
APPLICATION FOR
CONSTRUCTION IS REQUIRED.

ROOF CONNECTION
DETAILS

REK6.0

GABLE ROOF - REK

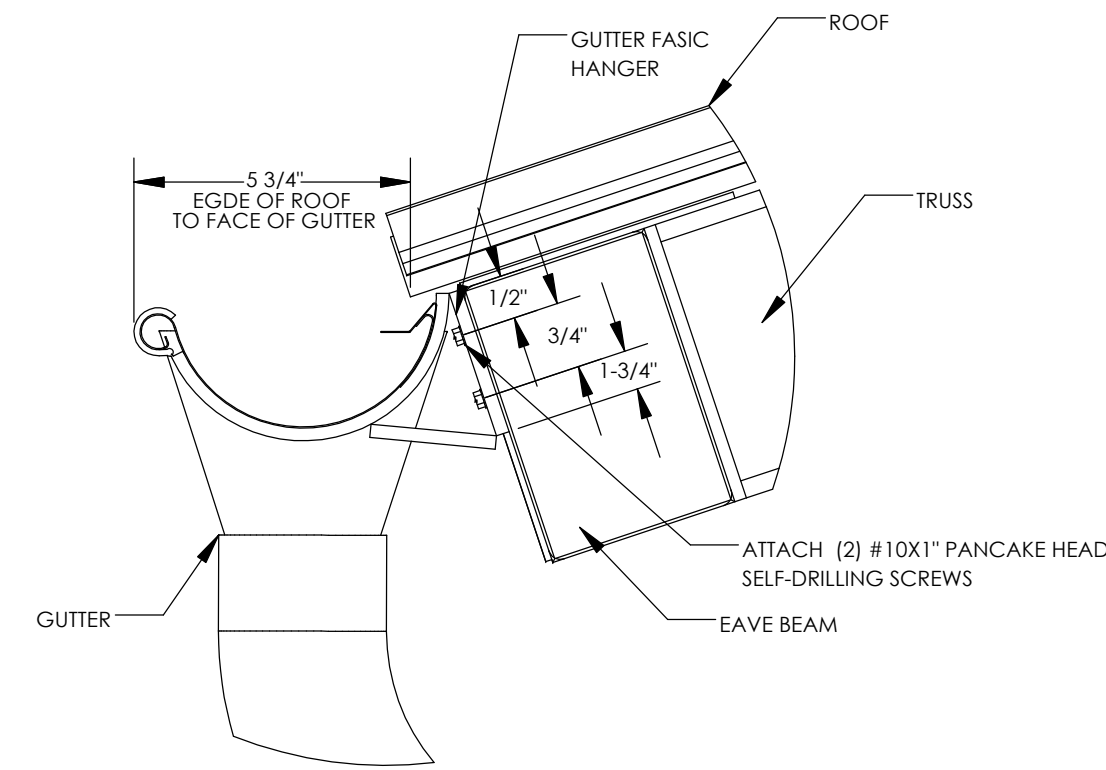


GUTTER DETAIL

GS-100

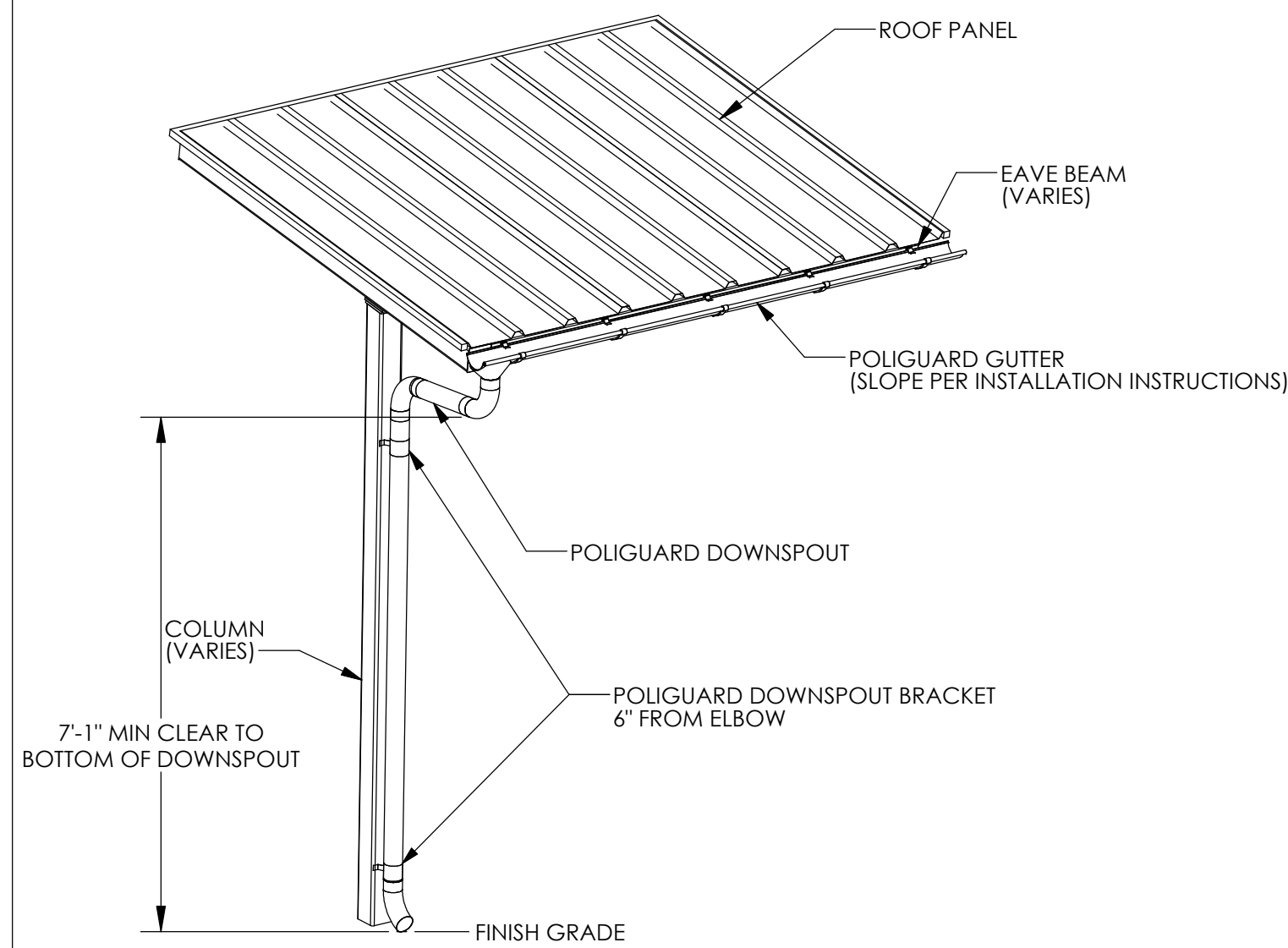
POLIGUARD GUTTER SYSTEM NOTES:

1. PREFABRICATED GUTTER SYSTEM IS ATTACHED TO THE STRUCTURE AFTER ROOF IS INSTALLED.
2. DETAILED INSTALLATION INSTRUCTIONS ARE SHIPPED WITH THE STRUCTURE.
3. DOWNSPOUTS REQUIRED AT EACH COLUMN.
4. ALL MATERIAL IS 24GA G90
5. ALL DOWNSPOUTS AND SUTTERS ARE POWDER COATED WITH AN EPOXY PRIMED FINISH.



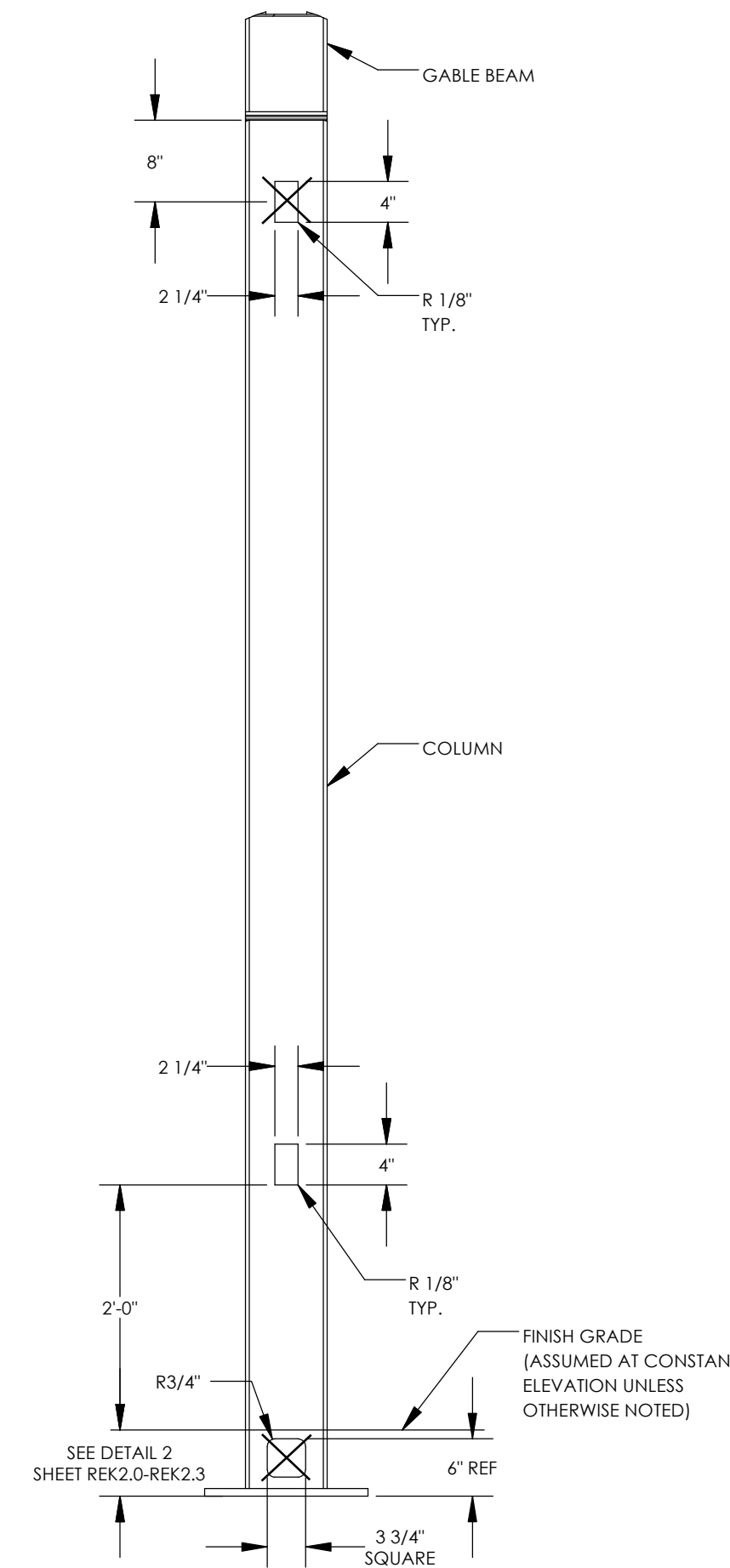
GUTTER DETAIL

GS-200



DOWNSPOUT DETAIL

GS-300



ELECTRICAL CUTOUT IN COLUMNS

EC-100

ELECTRICAL CUTOUT NOTES:

1. MAXIMUM ONE CUTOUT PERMITTED IN EACH MEMBER.
2. CUTOUTS CAN BE PLACED ON ANY SIDE OF A MEMBER.
3. CUTOUTS CAN BE PLACED ALONG MEMBERS AS INDICATED IN THE DETAILS.
4. ARCHITECTS REQUESTING CUTOUTS MUST MARKUP APPROVED PC DRAWINGS TO LOCATE CUTOUTS FOR APPROVAL AND FABRICATION.

STATE APPROVALS-SITE

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-124307 INC:
REVIEWED FOR
SS FLS ACS
DATE: 06/16/2026

4000 PLAZA, COLLEGE PARK, CA 95682
RMITER
CAMPBELL WORK, CA 95682
530.677.9510
CHD

poligon
PORTER
PLANNERS

REGISTERED PROFESSIONAL ENGINEER
JESSICA E. HANER
No. S5476
STRUCTURAL
STATE OF CALIFORNIA

STATE APPROVALS-PC

IDENTIFICATION STAMP
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MISC DESIGN
OPTIONS
GABLE ROOF-REK

REK7.0

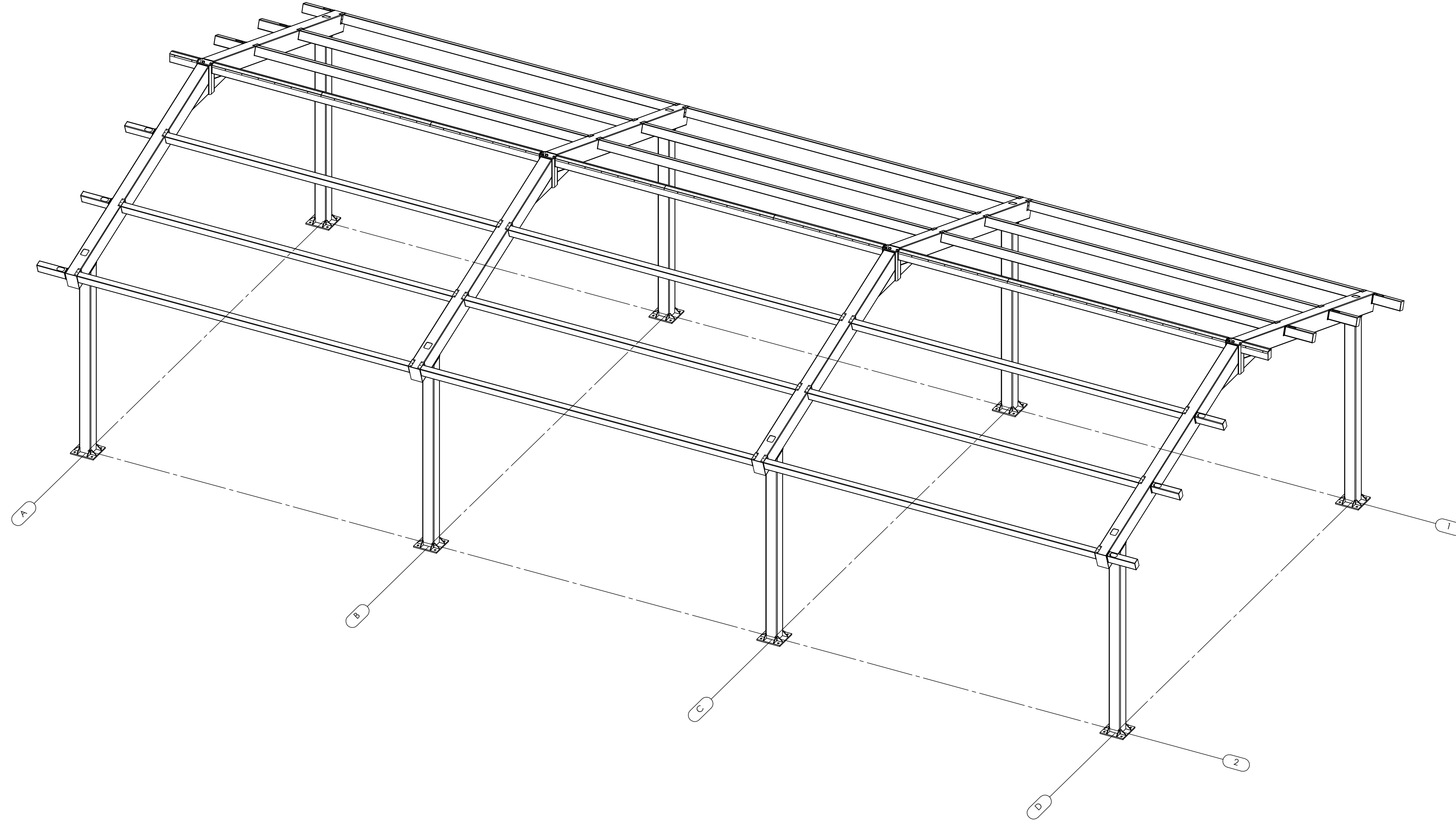
ELECTRICAL CUTOUT AND ACCESS INSTRUCTIONS

- IF 'YES' IS NOT SELECTED IN STEP 2 ON ORDER FORM, THEN THIS SHEET NEED NOT BE INCLUDED IN SITE-SPECIFIC DRAWINGS
- ONLY COLUMNS ARE PERMITTED TO HAVE ELECTRICAL ACCESS
- THE COLUMN CUTOUTS ARE STATIC AND SHOWN IN THE 'MISC DESIGN OPTIONS SHEET'
- IDENTIFY THE COLUMNS WITH ELECTRICAL CUTOUTS BELOW (REFERENCE GRID LINES IN ISOMETRIC FRAME VIEW TO THE RIGHT)
- STRUCTURES MAY BE LONGER OR SHORTER THAN THE ISOMETRIC FRAME VIEW SHOWN
- IF SITE-SPECIFIC STRUCTURE HAS A DIFFERENT NUMBER OF COLUMNS THAN ISOMETRIC SHOWN, REFERENCE COLUMN A1 IN THE ISOMETRIC VIEW AND CONTINUE PATTERN TO FIT SITE-SPECIFIC LAYOUT
- IF NO COLUMNS ARE IDENTIFIED, POLYGON WILL ASSUME CUTOUTS ONLY IN COLUMN A1
- CONTACT POLYGON ENGINEERING FOR SPECIAL PROJECT SPECIFIC REQUIREMENTS

ELECTRICAL CUTOUT IDENTIFICATION IN COLUMNS
SPECIFIC MEMBERS <u> A1, A2, D1, D2 </u>

EXAMPLE:

ELECTRICAL CUTOUT IDENTIFICATION IN COLUMNS
SPECIFIC MEMBERS <u> A1, B1, F1 </u>



STATE APPROVALS-SITE

IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT			
APP: 02-124307 INC:			
REVIEWED FOR			
SS <input checked="" type="checkbox"/>	FLS <input checked="" type="checkbox"/>	ACS <input checked="" type="checkbox"/>	CG <input type="checkbox"/>
DATE: 06/16/2026			

4033 P. AZA, GOLDEN GATE DISTRICT
SUITE 11
CAMERON TOWN BLK, CA 95002
510.877.0016



poligon
POLYGON ENGINEERING, INC.



STATE APPROVALS-PC

IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT			
APP: 02-124307 PC			
REVIEWED FOR			
SS <input checked="" type="checkbox"/>	FLS <input checked="" type="checkbox"/>	ACS <input checked="" type="checkbox"/>	CG <input type="checkbox"/>
DATE: 7/18/2023			

**PRE-CHECK (PC)
DOCUMENT**
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**ELECTRICAL
CUTOUTS**
GABLE ROOF - REK

REK7.1