DESIGN VALUES		INSTRUCTIONS	FOR AR	CHITECTS
DESCRIPTION DEAD AND LIVE LOADS	DESIGN VALUES ¹			STEP 1
ROOF LIVE LOAD 2	20 PSF LOAD SCENARIO= {1.2}			
ROOF DEAD LOAD (SUPERIMPOSED ON FRAME) ²	$DL = \{3.5 \text{ PSF}, 2.0 \text{ PSF}\}$	SCHOOL DISTRICT USE AND OCCUPANCY		
ALLOWABLE SOIL PRESSURE ^{3, 5}				
		OCCUPANT LOAD FACTOR		
VERTICAL BEARING: DL + Lr + SEISMIC (CONCRETE FOOTING) LATERAL COHESION: DL + Lr + SEISMIC (CONCRETE FOOTING)	1500 PSF 130 PSF	TOTAL ROOF AREA	<u> </u>	
DRILLED PIER		NUMBER OF OCCUPANTS		
SKIN FRICTION DOWN : DL + Lr + SEISMIC (CONCRETE FOOTING) PER 1810A.3.3.1.4	4 167 PSF			ST
SKIN FRICTION (UPLIFT): DL + LR SEISMIC (CONCRETE FOOTING) PER 1810A.3.31.5 LATERAL BEARING: DL + Lr + SEISMIC (CONCRETE FOOTING) PER 1810A.3.3.2	83 PSF 100 PSF/FT			<u></u>
LATERAL BEARING. DL + LI + SEISMIC (CONCRETE FOOTING) FER 1810A.S.S.Z	100 F3F/F1			
ROOF SNOW LOAD ⁶ GROUND SNOW LOAD, Pg	10 PSF	GUTTERS		
RISK CATEGORY	II			
ROOF SNOW LOAD: [] FLAT, Pf OR [] LOW SLOPE, Pm OR [X] SLOPED, Ps	10 PSF	ELECTRICAL ACCESS		
SNOW ROOF SLOPE FACTOR, Cs SNOW EXPOSURE FACTOR, Ce	1.2	CLEAR HEIGHT		
SNOW LOAD IMPORTANCE FACTOR, IS	1.0			
THERMAL FACTOR, Ct DRIFT SURCHARGE LOAD, Pd	1.2 0 PSF			STEP 3
DISTANCE FROM ADJACENT STRUCTURE, Pg = 0 PSF	4 IN		Ss	<u> </u>
DISTANCE FROM ADJACENT STRUCTURE, Pg > 0 PSF ICE LOAD	20 FT 0 PSF		\$ 1	·
FLOOD DESIGN				ST
FLOOD HAZARD AREA	NO	0.000 < Ss <= 1.406 S1 <=	= 0.844	
WIND DESIGN 4	110 MPH	1.406 < Ss <= 2.063 S1 <=	= 1.070	
BASIC WIND SPEED (3 SECOND GUST), Vult EXPOSURE CATEGORY	С			
TOPOGRAPHIC FACTOR, Kzt (1 MINIMUM) INTERNAL PRESSURE COEFFICIENT, GCpi (IF APPLICABLE)	1 0.0			<u>STEP 5</u>
CLEAR WIND FLOW	YES	ROOF DECK COLLATERAL		
OBSTRUCTED WIND FLOW	YES	TOTAL		
SEISMIC DESIGN ⁴				
LATERAL FORCE-RESISTING SYSTEM	STEEL ORDINARY CANTILEVER COLUMN SYSTEM			ST
ANALYSIS PROCEDURE	EQUIVALENT LATERAL FORCE PROCEDURE	WHITE		
SEISMIC DESIGN CATEGORY (SDC)	E	GREEN		
SEISMIC IMPORTANCE FACTOR, IE DESIGN BASE SHEAR, V	1.0 Cs x W			
SEISMIC RESPONSE COEFFICIENT, Cs	LOAD SCENARIO = {1,2} Cs = {0.90,1.32}			
RESPONSE MODIFICATION FACTOR, R SITE CLASS ⁷	1.25 E		ROOF WIE	DTH <= 20
REDUNDANCY FACTOR, p	1.3		20 < ROOF V	VIDTH <= 30
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			<u>S</u>
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}	ROOF WIDTH		[] 20'
LONG-PERIOD SITE COEFFICIENT, Fv	2.0			MAX
DESIGN SPECTRAL RESPONSE ACCELERATION AT 1 SECOND PERIOD, Sd1	LOAD SCENARIO = {1,2} Sd1 = {1.125, 1.427}			[] 44'
HORIZONTAL OR VERTICAL IRREGULARITIES TYPE(S) 1. IF SITE-SPECIFICDESIGN CRITERIA ARE OUTSIDE THE LIMITS OF THESE PC DRAWI		ROOF LENGTH	4	[] 84'
TO SEE IF AN ENGINEERING LETTER, SUPPLEMENTAL DRAWINGS, AND/OR CAL SITE-SPECIFIC SOLUTION. ANY SITE- SPECIFIC DEVIATION FROM THIS PC MAY N	CULATIONS COULD BE SUBMITTED FOR A			[]
OVER-THE-COUNTER.				
2. STRUCTURE IS NOT DESIGNED TO SUPPORT SOLAR PANELS. STRUCTURE IS NOT SYSTEMS IN LOAD SCENARIO 2 REGIONS.	DESIGNED TO SUPPORT SPRINKLER			<u>STE</u> RAN
3. GEOHAZARD REPORTS ARE REQUIRED IF THE AREA COVERED UNDER THE ROC WITHIN STATE OR LOCAL GEOLOGIC HAZARD ZONE. VERIFY SUBMITTAL AND A		FOUNATION TYPE	[] SPF	
CGS PRIOR TO DSA SITE APPLICATION.	AT ROVAL OF A GLOHAZARD REFORT BT			
4. STRUCTURAL SEPARATION BETWEEN ADJACENT STRUCTURES: RAM 20= 5.0", RA STRUCTURAL SEPARATION BETWEEN EXISTING STRUCTURES: RAM 20= 5.5", RAM				STEP 1
5. WHEN PLACING MULTIPLE CANOPIES WITH PIER FOOTINGS ADJACENT TO ON		1	RAM	
ANALYSIS OF GROUP EFFECTS ON THE FOUNDATIONS. THE MINIMUM CLEARAN PIERS IS EIGHT TIMES PIER DIAMETER WITHOUT AN ACCOMPANYING ENGINEER		[] LOAD SCENA SPREAD PAD		[]
6. SITE APPLICATION DESIGN PROFESSIONAL AND DSA REVIEWER SHALL VERIFY T FEET FROM ANY HIGHER ADJACENT STRUCTURE IF GROUND SNOW IS GREATED			_	[]
7. DESIGN COMPLIES WITH THE CONDITIONS OF EXCEPTION 1 OF ASCE 7-16 SEC	TION 11.4.8, ITEM 2.	SPREAD PAD		
8. APPROVED FIRE APPARATUS ACCESS ROADS SHALL EXTEND TO WITHIN 150 FE OF THE STRUCTURE PER CFC 503.1.1.	ET OF ALL PORTIONS OF THE PERIMETER			
ARCHITECTURAL REQUIREMENTS:		BASE FRAME		RAM 20 SH
DESCRIPTION	DESIGN VALUES	ROOF DECK	N	٨R
TYPE OF CONSTRUCTION	B	FOUNDATION TYPE	SPREAD PAD	
NUMBER OF STORIES	1	SELECT ONE	[]	[]
FIRE SPRINKLER SYSTEM	NOT BY POLIGON	ORDER FORM	RAM1.0	RAM1.0
RELATED BUILDING CODES AND STANDARDS:		NOTES AND SPECIAL INSPECTIONS	RAM1.1	RAM1.1
		FOUNDATION PLAN	RAM2.0	RAM2.1
2022 California Administrative Code (CAC) (Part 1, Title 24, CCR) 2022 California Building Code (CBC), Volumes 1 and 2 (Part 2, Title 24, CCR)		FRAMING PLAN	RAM3.0	RAM3.0
(2021 International Building Code with 2022 California amendments) 2022 California Electrical Code		FRAME CONNECTION DETAILS	RAM4.0	RAM4.0
2022 California Mechanical Code (CMC)(Part 4, Title 24, CCR) (2021 Uniform Mechanical Code with 2022 California amendments)		SECTION DETAILS	RAM4.1 RAM5.0	RAM4.1 RAM5.0
2022 California Plumbing Code (CPC)(Part 5, Title 24, CCR) (2021 Uniform Plumbing Code with 2022 California amendments)		ROOF CONNECTION	RAM6.0	RAM6.0
2022 California Energy Code		DETAILS MISC DESIGN OPTIONS	RAM7.0	RAM7.0
 (2021 International Fire Code with 2022 California Amendments) 2022 California Existing Building Code (CEBC)	R) R)	ELETRICAL CUTOUTS	RAM7.1	RAM7.1
2022 California Referenced Standards Code	Rj			
NFPA 13 - 2016				STEP
NFPA 72 - 2016 REFERENCE CODE SECTIONS FOR APPLICABLE STANDARDS:				
2022 CBC, CHAPTER 35				
2022 CFC, CHAPTER 80		MULTIPLE STRUCTURES		_
SCOPE OF WORK NARRATIVE: THESE DRAWINGS ILLUSTRATE THE FABRICATION AND INSTALLATION REQUIREMENT	NTS FOR A FREE-STANDING PRFFARRICATED			
STEEL SHADE STRUCTURE. THE ENTIRE STRUCTURAL SYSTEM IS COMPRISED OF TUE CONCRETE FOUNDATIONS. THE FLEXIBILITY INCLUDED HEREIN ALLOWS THIS STRU	BULAR STEEL MEMBERS SUPPORTED ON	·		
OF PROJECT SITES AND LOADING REQUIREMENTS.				

OR ARCHITECTS PLANNING TO SUBMIT THESE PRE-CHECKED DRAWINGS

DJECT NAME			
HOOL DISTRICT			
AND OCCUPANCY		-	
CUPANT LOAD FACTOR			
AL ROOF AREA			-
MBER OF OCCUPANTS			-
		ST	EP
OF DECK			[
			[
ITERS] r
][
CTRICAL ACCESS			[
AR HEIGHT			[
			[
		STED 2) (
	Ss	<u>STEP 3</u>	<u>))</u>
	\$1	•	
	0.044	<u>ST</u>	
$00 < S_S <= 1.406$ $S_1 <= 0.063$] [r
	1.070] [
		STEP 5	T/
OF DECK		<u>JILF J</u>	
LLATERAL			
AL			
		<u>ST</u>	
ITE			T
EEN			
			STE
	ROOF WID	-	
	20 < ROOF W	'IDTH <= 30	
		<u> </u>	<u>TE</u>
		[] 20'	R
ROOF WIDTH		[]	
		MAX [] 44'	
		[]64'	
ROOF LENGTH		[] 84'	-
		[]	
	I	<u>Ste</u>	P
FOUNATION TYPE		RAN	∖ 2 (
	[] SPRI	EAD PAD	
		STEP 1	0 F
	RAM		
[] LOAD SCENAR SPREAD PAD			LO, DR
[] LOAD SCENAF SPREAD PAD	RIO 2	[]	LO, DR
			ST
BASE FRAME		RAM 20 SH	
ROOF DECK	M	IR	
FOUNDATION TYPE	SPREAD PAD	DRILLED PIER	SP
SELECT ONE	[]	[]	
ORDER FORM	RAM1.0	RAM1.0	
INSPECTIONS	RAM1.1	RAM1.1	-
FOUNDATION PLAN FRAMING PLAN	RAM2.0 RAM3.0	RAM2.1 RAM3.0	
RAME CONNECTION	RAM3.0 RAM4.0	RAM3.0 RAM4.0	
DETAILS	1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1	1 10 UVI-+.U	1

STEP 1 PROJECT INFORMATION

(PROPC	DSED OCCUPANCY: A1, A2, A3, A4, A5, B, E)
(15 SQFT/PERSON MAX; 5 S	QFT/PERSON MIN FOR ANY A OCCUPANCY
· · · · · · · · · · · · · · · · · · ·	RET/PERSON MAX FOR B OR E OCCUPANCY)
(MAXIMUM 4500) FOR B OCCUP	SQFT FOR ANY A OCCUPANCY, 10,000 SQFT ANCY, AND 5000 SQFT FOR E OCCUPANCY)
(MAXIA	AUM 300 FOR ANY A OCCUPANCY, 500 FOR OCCUPANCY, AND 250 FOR E OCCUPANCY)
	Secon Anel, AND 250 Tok L Occon Anel)
P 2 DESIGN OPTIONS	
] MULTI-RIB (MR)	DEFAULT, WEIGHT 1.2 PSF
[] STANDING SEAM (SS)	WEIGHT 1.8 PSF
[] NO	DEFAULT
[] YES	SEE RAM7.0 FOR DETAILS
[] NO	DEFAULT
[] YES	SEE RAM7.1 FOR DETAILS
[] 8'	DEFAULT
[]OTHER	10' MAX

SEISMIC ACCELERATION

	(g)	
	(g)	
P 4 SEISMIC REGIONS		
[] WHITE		3.5 PSF MA

3.5 PSF MAX DEA LOAD [] WHITE] GREEN 2.0 PSF MAX DEAD LOAD

TOTAL ROOF DEAD LOAD

PSF	SEE STEP 2' 'ROOF DECK FOR WEIGHTS
PSF	LIGHTING , FIRE SUPPRESSION, ETC.
PSF	ADD 'ROOF DECK' AND 'COLLATERAL'

P 6 LOAD SCENARIO

TOTAL ROOF DEAD LAOD <= 3.5 PSF	[] LOAD SCENARIO 1
TOTAL ROOF DEAD LOAD < 2.0 PSF	[] LOAD SCENARIO 2

IEP 7 PC STRUCTURE

] **RAM 20**

] **RAM 30**

EP 8 STRUCTURE SIZE

RAM 20		RAN	۸ 30
DEFAULT	[] 30'		DEFAULT
OTHER 9' MIN; 20'	[]	OTHER	20'-6" MIN; 30' MAX
2 BAYS	[] 44'		2 BAYS
3 BAYS	[] 64'		3 BAYS
4 BAYS	[] 84'		4 BAYS
OTHER	[]	OTHER	

P 9 FOUNDATION TYPE

A 20		RAM 30
[] DRILLED PIER	[] SPREAD PAD	[] DRILLED PIER

FOUNDATION SUMMARY

	I	RAM 30
LOAD SCENARIO 1	[] LOAD SCENARIO 1	[] LOAD SCENARIO 1
DRILLED PIER	SPREAD PAD	DRILLED PIER
LOAD SCENARIO 2	[] LOAD SCENARIO 2	[] LOAD SCENARIO 2
DRILLED PIER	SPREAD PAD	DRILLED PIER

TEP 11 SHEET INDEX

-	EET INDEX			RAM 3	0 SHEET IND	EX
SS			MR		SS	
2	SPREAD PAD	DRILLED PIER	SPREAD PAD	DRILLED PIER	SPREAD PAD	DRILLED PIER
	[]	[]	[]	[]	[]	[]
	RAM1.0	RAM1.0	RAM1.0	RAM1.0	RAM1.0	RAM1.0
	RAM1.1	RAM1.1	RAM1.1	RAM1.1	RAM1.1	RAM1.1
	RAM2.0	RAM2.1	RAM2.2	RAM2.3	RAM2.2	RAM2.3
	RAM3.0	RAM3.0	RAM3.1	RAM3.1	RAM3.1	RAM3.1
	RAM4.0	RAM4.0	RAM4.2	RAM4.2	RAM4.2	RAM4.2
	RAM4.1	RAM4.1	RAM4.3	RAM4.3	RAM4.3	RAM4.3
	RAM5.0	RAM5.0	RAM5.1	RAM5.1	RAM5.1	RAM5.1
	RAM6.1	RAM6.1	RAM6.0	RAM6.0	RAM6.1	RAM6.1
	RAM7.0	RAM7.0	RAM7.0	RAM7.0	RAM7.0	RAM7.0
	RAM7.1	RAM7.1	RAM7.1	RAM7.1	RAM7.1	RAM7.1

QTY

	<u>SA:</u>			SPECIFICATIONS	STATE APPROVALS-SITE
STEP	1: GENERAL PROJECT INFORMATION			PART 1 - GENERAL	
- IDE	NTIFY PROJECT NAME AND SCHOOL DISTRICT			A. STRUCTURE (S) BASED ON THE FOLLOWING PC DESIGN(S):	
	THE USE AND OCCUPANCY DETERMINE THE MAX	KIMUM SQUA	RE FOOTAGE OF THE STRUCTURE MBER OF OCCUPANTS	1. HIP RÓÓF (RAM)	
- IDE	THE MAXIMUM SQUARE FOOTAGE IS ALSO LIMITE INTIFY THE OCCUPANT LOAD PER TABLE 1004.5 IN INTIFY TOTAL ROOF AREA WHICH SHALL NOT EXC	CEED ALLOW	ABLE AREA PER TABLE 506.2 IN THE CBC.	1.2 DESIGN REQUIREMENTS A. MEET THE DESIGN INTENT SHOWN ON THE PC DRAWINGS APPROVED FOR THIS PROJECT.	
- IDE	INTIFY EXPECTED NUMBER OF OCCUPANTS BASE TOTAL ROOF AREA DIVIDED BY OCCUPANT LOA	d on the est d can dete	IMATED OCCUPANT LOAD RMINE NUMBER OF OCCUPANTS	1. DESIGN CRITERIA 2. MEMBERS SIZES 3. HIDDEN BOUTED CONNECTIONS BETWEEN STRUCTURAL MEMBERS	
STEP	2: DESIGN OPTIONS			 HIDDEN BOLTED CONNECTIONS BETWEEN STRUCTURAL MEMBERS COLUMN ANCHORAGE SHALL INCLUDE FOUR (4) BOLTS IN COMPLIANCE WITH OSHA 19: 5. NO FIELD WELDING PERMITTED 	
- SEL _ '	.ECT ROOF DECK FOR YOUR PROJECT "MR" REPRESENTS MCELROY METAL "MULTI-RIB" R "SS" REPRESENTS MCELROY METAL "MEDALLION-I	OOF DECK		6. NO FIELD PAINTING PERMITTED 7. ROOF DIMENSIONS AND SLOPES	
- SEL	ect whether gutters and downspouts fro.	M POLIGON	IS NEEDED FOR YOUR PROJECT	8. EXPOSED STEEL ROOF FASTENERS (IF APPLICABLE) POWDER COATED BY MANUFACTURER 9. ROOF DECK SPANS FROM PEAK TO EAVE AND PERMITS PROPER DRAINAGE WITHOUT DEE	R BRIS BUILD-
- I -SELE	IF "YES", THEN INCLUDE SHEET RAM7.0 IN THE DRA ECT WHETHER ELECTRICAL CUTOUTS ARE NEEDED SHEET RAM7.0 SHOWS ELECTRICAL CUTOUT SIZE	AWING SET D FOR YOUR AND LOCATI		UP. 1.3 SUBMITTALS	
-	Sheet Ram7.1 has instructions and sheet to sheet ram7.1 must be filled out in the submit	DENTIFY WH	IICH COLUMNS ROVED BY DSA	A. DRAWINGS AND CALCULATIONS SEALED BY A PROFESSIONAL ENGINEER LICENSED IN THE APP STATE.	PROPRIATE
- (;	IF NOTHING IS FILLED IN ON RAM7.1, POLIGON V SEE 'FRAMING PLAN' FOR REFERENCE)	VILL ASSUME	CUTOTUS ARE ONLY IN COLUMN A1	B. ONLY MANUFACTURERS THAT SUBMIT DRAWINGS AND CALCULATIONS PRIOR TO BID SHALL BE CONSIDERED.	三 田 田 田 田 田 田 田 田 田 田 田 田 田 田 田 田 田 田 田
- SEĹ -	ECT CLEAR HEIGHT (SEE 'ARCHITECTURAL VIEWS' MIN 7'-1"; MAX 10'-0"		,	C. MANUFACTURER MUST BE ABLE TO SUBMIT APPROPRIATE LABORATORY TESTS FOR THE FOLLOW 1. FRAME FINISH REQUIREMENTS LISTED IN PART 2 OF THIS SPECIFICATION.	
- IF N	NOTHING IS SELECTED, POLIGON WILL ASSUME TH	E DEFAULT FC	DR EACH DESIGN OPTION	 CERTIFIED MILL TEST REPORTS FOR STRUCTURAL STEEL (DESCRIBING THE CHEMICAL AND P PROPERTIES). CERTIFIED MILL TEST REPORTS FOR STRUCTURAL BOLTS. 	
	3: IDENTIFY THE Ss & S1 ACCELERATION (g) FOR			1.4 TECHNICAL SUPPORT	(풍)
- Ss 8 - Ss 8	& S1 VALUE DETERMINES THE REQUIRED SEISMIC E & S1 VALUE DEPENDS ON PROJECT'S GEOGRAPH FIND Ss & S1 VALUES FOR YOUR PROJECT IN THE S	DESIGN FORC	CES ION	A. MANUFACTURER MUST HAVE IN-HOUSE ENGINEERING DEPARTMENT AND A PROFESSIONAL EN LICENSED IN THE APPROPRIATE STATE TO ANSWER TECHNICAL QUESTIONS.	NGINEER
-	FIND Ss & S1 VALUES FOR YOUR PROJECT IN THE : FIND Ss & S1 VALUES FOR YOUR PROJECT USING S PC IS NOT APPROVED FOR Ss VALUES GREATER	(https://asce	?hazardtool.online/)	1.5 QUALITY ASSURANCE	
- THI AD	S PC IS NOT APPROVED FOR Ss VALUES GREATER DDITIONAL OPTIONS)	ATTAN 2.063	ICONTACT FULIGUN FUK	A. GENERAL 1. FABRICATION PROCEDURES SHALL COMPLY WITH APPLICABLE CODES AND LOCAL REGU 2. REQUIRED STRUCTURAL TESTS AND SPECIAL INSPECTIONS INCLUDED ON THE PROJECT DS	
	4: IDENTIFY THE SEISMIC REGION FOR YOUR PRC			B. MANUFACTURER QUALIFICATIONS 1. MINIMUM (10) YEARS ENGINEERING AND FABRICATING PRE-ENGINEERED STRUCTURES	
- THE - THE	E REGIONS ARE DEPENDANT ON THE SS & S1 VALU E SEISMIC REGION DICTATES THE MAXIMUM DEAI	JE DETERMIN D LOAD PER <i>I</i>	ED IN STEP 3 MITTED (SEE TABLE TO THE LEFT)	2. MANUFACTURER OWNED AND OPERATED POWDER COAT PAINT FINISH SYSTEM 3. ALL AWS CERTIFIED WELDERS	
STEP	5: IDENTIFY THE ROOF DEAD LOAD FOR YOUR PI	ROJECT		4. FULL-TIME PROFESSIONAL ENGINEER ON STAFF LICENSED IN THE APPROPRIATE STATE 5. FULL-TIME AWS CERTIFIED ASSOCIATE WELDING INSPECTOR ON STAFF 6. FULL-TIME QUALITY ASSURANCE MANAGER ON STAFF	
- THE	E ROOF DECK DEAD LOAD WILL ALWAYS BE INCL E COLLATERAL LOAD REPRESENTS ADDITIONAL LO	DAD THAT C	an be supported by the frame	7. FULL-TIME LEED AP ON STAFF C. MANUFACTURER CERTIFICATIONS	
- TO - CU	tal roof dead load must be less than or eq t sheets of any boards, boxes and equipme	QUAL TO THE	MAX DEAD LOAD SHOWN IN STEP 4	1. PCI 4000 CERTIFICATION THROUGH POWDER COATING INSTITUTE (PCI) 2. AISC CERTIFIED FABRICATOR	$ \mathbf{O} \rangle$
WE	IGHTS AND DIMENSIONS ARE REQUIRED			1.6 MANUFACTURER WARRANTY	
	6: IDENTIFY THE LOAD SCENARIO FERENCE THE STEP 4 COLOR AND SELECT THE APP			A. STRUCTURE MUST HAVE (10) YEAR LIMITED WARRANTY ON STEEL FRAME MEMBERS. B. STRUCTURE MUST HAVE (10) YEAR LIMITED WARRANTY ON PAINT SYSTEM. C. PASS THROUGH WARRANTY OF ROOFING MANUFACTURER SHALL BE PROVIDED UPON REQUES	
- LO	AD SCENARIOS HAVE NO IMPACT ON FRAME DE	ESIGN OR CO	DST, BUT DO AFFECT FOUNDATION SIZE	PART 2 - PRODUCTS	
	7: IDENTIFY PC STRUCTURE			2.1 MANUFACTURER A. ACCEPTABLE MANUFACTURERS	PROFESSION
- RO	OF WIDTHS UP TO 20' WIDE USE THE "RAM 20" OF WIDTHS UP TO 30' WIDE USE THE "RAM 30" E 20' AND 30' WIDTHS ARE SUGGESTED BECAUSE			1. POLIGON, A DIVISION OF PORTERCORP. A. 4240 N 136TH AVE., HOLLAND, MI 49424; (616) 399-1963; <u>WWW.POLIGON.COM</u> . I. FOR POLIGON STRUCTURES IN NORTHERN CALIFORNIA, THE LOCAL REPRESEN	
	XIMUM WIDTH IS 30'; (SEE 'ARCHITECTURAL VIEW				UNDPROS I j j j j j j j j j j j j j j j j j j
	8: IDENTIFY SITE SPECIFIC ROOF WIDTH AND LEN			<u>.COM</u> OR CALL (916) 923-2180 II. FOR POLIGON STRUCTURES IN SOUTHERN CALIFORNIA, THE LOCAL REPRESEN MIRACLE PLAYGROUND SALES (<u>MIRACLEPLAYGROUNDSALES.COM</u> EMAIL	
	NOT EXCEED THE TOTAL ROOF AREA FROM STEP	P 1 (ROOF W	IDTH MULTIPLIED BY ROOF LENGTH)	<u>SALES@MIRACLEPLAYGROUND.COM</u> OR CALL (951) 695-4515 B. SUBSTITUTION LIMITATIONS	AATEDIAL
	9 : FOUNDATION TYPE ECT A FOUNDATION BASED THE DESIRED FOUND			 THE ENGINEERING FOR THIS STRUCTURE IS ONLY APPLICABLE IF POLIGON SUPPLIES THE M. IF THE CONTRACTOR ELECTS TO SUBSTITUTE A DIFFERENT STRUCTURE, THEY ARE RESPONSIE OBTAIN THE NECESSARY DSA APPROVAL WITH: 	IBLE TO
- SEL	ECT EITHER SPREAD PAD OR DRILLED PIER FOUNI	DATION PRIC	r to approval Ce, cost, etc.)	A. NO COST TO THE DISTRICT OR ARCHITECT B. NO CHANGE TO THE CONSTRUCTION SCHEDULE	STATE APPROVALS-PC
- FOI - RE\	UNDATION TYPE IMPACTS CONSTRUCTION (TIMIN UNDATION TYPE IMPACTS ANCHOR BOLT LENGT VIEW OF SITE-SPECIFIC SOILS REPORT TO EVALUA	TH (NOT PRO TE APPLICAB	VIDED BY POLIGON) ILITY OF FOUNDATION OPTIONS AVAILABLE	3. SUBSTITUTIONS MUST BE APPROVED A MINIMUM OF (10) DAYS BEFORE BID. 4. ALL APPROVED MANUFACTURERS SHALL BE NOTIFIED IN WRITING BEFORE THE BID DATE.	
STEP	10: FOUNDATION SUMMARY			 5. SUBSTITUTE MANUFACTURERS SHALL NOT BE ALLOWED TO BID WITHOUT WRITTEN NOTIFICATION. 6. SUBSTITUTE MANUFACTURERS MUST MEET "MANUFACTURER QUALIFICATIONS" LISTED IN 	IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT
- USE	e the selections from step 6 and step 9 to se	ELECT THE AP	PROPRIATE FOUNDATION	6. SUBSTITUTE MANUFACTURERS MUST MEET "MANUFACTURER QUALIFICATIONS" LISTED IN PART 1 OF THIS SPECIFICATION. 7. SUBSTITUTE MANUFACTURERS MUST PROVIDE PROOF OF	APP: 02-121213 PC
	11: SELECT APPLICABLE SHEET INDEX FOR YOUR	PROJECT		"MANUFACTURER CERTIFICATIONS" ABOVE. 8. SUBSTITUTE MANUFACTURERS MUST PROVIDE PAINT FINISH DESCRIBED IN "FRAME FINISH"	, REVIEWED FOR
- INC	ENTIFY THE APPLICABLE SHEET INDEX	AITTAL		BELOW.	SS 🗹 FLS 🗹 ACS 🗹 CG 🗋
- EXC - FXC	CLUDE 'MISC DESIGN OPTIONS' SHEET FOR PROJE CLUDE 'ELECTRICAL CUTOUTS' SHEET FOR PROJEC	CIS WITHOU CTS WITHOUT	i electrical cutouts or Gutters	2.2 FRAME	DATE: 7/18/2023
			ELECTRICAL CUTOUTS	A. MATERIALS	
STEP	12: MULTIPLE STRUCTURES WITH THE SAME PC#			A. MATERIALS 1. ANCHOR BOLTS: SEE DRAWINGS FOR REQUIREMENTS. ANCHOR BOLTS NOT PROVIDED B MANUFACTURER 2. STRUCTURAL STEEL: SEE DRAWINGS FOR REQUIREMENTS.	
Step - Fill - UN	IN ROOF LENGTH AND WIDTH OF STRUCTURES A O ON THE POLIGON DRAWINGS, POLIGON WILL	AS WELL AS G	UANTITY	 A. MATERIALS ANCHOR BOLTS: SEE DRAWINGS FOR REQUIREMENTS. ANCHOR BOLTS NOT PROVIDED B MANUFACTURER	
Step - Fill - UN Str	. IN ROOF LENGTH AND WIDTH OF STRUCTURES A	as well as g assume all	UANTITY	 A. MATERIALS ANCHOR BOLTS: SEE DRAWINGS FOR REQUIREMENTS. ANCHOR BOLTS NOT PROVIDED B MANUFACTURER STRUCTURAL STEEL: SEE DRAWINGS FOR REQUIREMENTS.	BY
Step - Fill - UN Str	. IN ROOF LENGTH AND WIDTH OF STRUCTURES A O ON THE POLIGON DRAWINGS, POLIGON WILL UCTURE IS THE SAME	AS WELL AS G ASSUME ALL	UANTITY	 A. MATERIALS ANCHOR BOLTS: SEE DRAWINGS FOR REQUIREMENTS. ANCHOR BOLTS NOT PROVIDED B MANUFACTURER STRUCTURAL STEEL: SEE DRAWINGS FOR REQUIREMENTS. STRUCTURAL BOLTS: SEE DRAWINGS FOR REQUIREMENTS. B. FINISH FRAME FINISH: POLI-5000 POWDER COAT. NO FIELD PAINTING PERMITTED. COMPONENTS SHALL BE CLEANED, PRE-TREATED, AND FINISHED AT A FACILITY OW DIRECTLY SUPERVISED BY THE MANUFACTURER. COMPONENTS SHALL BE SHOT BLASTED TO SSPC-SP10 NEAR-WHITE BLAST CLEANIN HAND TOOL CLEANING WILL NOT BE AN ACCEPTABLE ALTERNATIVE. 	BY WNED AND NG. SSPC-SP2
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S TO DSA	<u>A:</u>			SPECIFICATIONS STATE	APPROVALS-SITE
STEP 1:	GENERAL PROJECT INFORMATION			PART 1 - GENERAL	
- IDENTI - IDENTI	IFY PROJECT NAME AND SCHOOL DISTRICT IFY USE AND OCCUPANCY CLASSIFICATION			1.1 STRUCTURE DESCRIPTION A. STRUCTURE(S) BASED ON THE FOLLOWING PC DESIGN(S):	
- THE - THF	E USE AND OCCUPANCY DETERMINE THE MAX F MAXIMUM SQUARE FOOTAGE IS ALSO LIMITE	D BY THE NUM	E FOOTAGE OF THE STRUCTURE ABER OF OCCUPANTS	1. HIP RÓÓF (RAM)	
- 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				1.2 DESIGN REQUIREMENTS A. MEET THE DESIGN INTENT SHOWN ON THE PC DRAWINGS APPROVED FOR THIS PROJECT. 1. DESIGN CRITERIA	
- TO	TAL ROOF AREA DIVIDED BY OCCUPANT LOA	D CAN DETERI	MINE NUMBER OF OCCUPANTS	2. MEMBERS SIZES 3. HIDDEN BOLTED CONNECTIONS BETWEEN STRUCTURAL MEMBERS	
STEP 2: DESIGN OPTIONS - SELECT ROOF DECK FOR YOUR PROJECT				4. COLUMN ANCHORAGE SHALL INCLUDE FOUR (4) BOLTS IN COMPLIANCE WITH OSHA 1926.755(A)(1). 5. NO FIELD WELDING PERMITTED 6. NO FIELD PAINTING PERMITTED	<u> </u>
- ''MI - ''SS'	R" REPRESENTS MCELROY METAL "MULTI-RIB" R(" REPRESENTS MCELROY METAL "MEDALLION-L	_OK" 16" STANE		7. ROOF DIMENSIONS AND SLOPES 8. EXPOSED STEEL ROOF FASTENERS (IF APPLICABLE) POWDER COATED BY MANUFACTURER	
- SELECT WHETHER GUTTERS AND DOWNSPOUTS FROM POLIGON IS NEEDED FOR YOUR PROJECT - IF "YES", THEN INCLUDE SHEET RAM7.0 IN THE DRAWING SET -SELECT WHETHER ELECTRICAL CUTOUTS ARE NEEDED FOR YOUR PROJECT			NEEDED FOR YOUR PROJECT	9. ROOF DECK SPANS FROM PEAK TO EAVE AND PERMITS PROPER DRAINAGE WITHOUT DEBRIS BUILD- UP.	A 1698
-SELECT WHETHER ELECTRICAL CUTOUTS ARE NEEDED FOR YOUR PROJECT - SHEET RAM7.0 SHOWS ELECTRICAL CUTOUT SIZE AND LOCATION CUTOUTS IN COLUMNS - SHEET RAM7.1 HAS INSTRUCTIONS AND SHEET TO IDENTIFY WHICH COLUMNS			IN CUTOUTS IN COLUMNS	1.3 SUBMITTALS A. DRAWINGS AND CALCULATIONS SEALED BY A PROFESSIONAL ENGINEER LICENSED IN THE APPROPRIATE	ARK, C
- SHE - IF N	EET RAM7.1 MUST BE FILLED OUT IN THE SUBMIT NOTHING IS FILLED IN ON RAM7.1, POLIGON W	ital set appro	OVED BY DSA	STATE. B. ONLY MANUFACTURERS THAT SUBMIT DRAWINGS AND CALCULATIONS PRIOR TO BID SHALL BE	4080 PLAZA G SUITE B. CAMERON PA 680.677.0015
- SEĽEC	E 'FRAMING PLAN' FOR REFERENCE) CT CLEAR HEIGHT (SEE 'ARCHITECTURAL VIEWS' IN 7'-1''; MAX 10'-0''	' Sheet for re	FERENCE)	CONSIDERED. C. MANUFACTURER MUST BE ABLE TO SUBMIT APPROPRIATE LABORATORY TESTS FOR THE FOLLOWING: 1. FRAME FINISH REQUIREMENTS LISTED IN PART 2 OF THIS SPECIFICATION.	4080 P SUITE 5.0.67 E 5.0.67
	THING IS SELECTED, POLIGON WILL ASSUME TH	E DEFAULT FOR	R EACH DESIGN OPTION	2. CERTIFIED MILL TEST REPORTS FOR STRUCTURAL STEEL (DESCRIBING THE CHEMICAL AND PHYSICAL PROPERTIES).	
STEP 3:	IDENTIFY THE Ss & S1 ACCELERATION (g) FOR `	YOUR PROJEC	T AND GEOTECHNICAL INFORMATION	3. CERTIFIED MILL TEST REPORTS FOR STRUCTURAL BOLTS.	
- Ss & S - Ss & S	1 VALUE DETERMINES THE REQUIRED SEISMIC E 1 VALUE DEPENDS ON PROJECT'S GEOGRAPH	DESIGN FORCE	ES DN	1.4 TECHNICAL SUPPORT A. MANUFACTURER MUST HAVE IN-HOUSE ENGINEERING DEPARTMENT AND A PROFESSIONAL ENGINEER LICENSED IN THE APPROPRIATE STATE TO ANSWER TECHNICAL QUESTIONS.	6
- FIN	1 VALUE DEPENDS ON PROJECT'S GEOGRAPH ID Ss & S1 VALUES FOR YOUR PROJECT IN THE S ID Ss & S1 VALUES FOR YOUR PROJECT USING	(https://asce7	'hazardtool.online/)	1.5 QUALITY ASSURANCE	
	C IS NOT APPROVED FOR Ss VALUES GREATER TIONAL OPTIONS)	r than 2.063 (0	CONTACT POLIGON FOR	A. GENERAL 1. FABRICATION PROCEDURES SHALL COMPLY WITH APPLICABLE CODES AND LOCAL REGULATIONS. 2. REQUIRED STRUCTURAL TESTS AND SPECIAL INSPECTIONS INCLUDED ON THE PROJECT DSA-103 FORM.	
	IDENTIFY THE SEISMIC REGION FOR YOUR PRO			B. MANUFACTURER QUALIFICATIONS 1. MINIMUM (10) YEARS ENGINEERING AND FABRICATING PRE-ENGINEERED STRUCTURES	
- THE RE - THE SE	EGIONS ARE DEPENDANT ON THE Ss & S1 VALU EISMIC REGION DICTATES THE MAXIMUM DEAI	JE DETERMINEI D LOAD PERMI	D IN STEP 3 ITTED (SEE TABLE TO THE LEFT)	2. MANUFACTURER OWNED AND OPERATED POWDER COAT PAINT FINISH SYSTEM 3. ALL AWS CERTIFIED WELDERS	
STEP 5:	IDENTIFY THE ROOF DEAD LOAD FOR YOUR PR	ROJECT		4. FULL-TIME PROFESSIONAL ENGINEER ON STAFF LICENSED IN THE APPROPRIATE STATE 5. FULL-TIME AWS CERTIFIED ASSOCIATE WELDING INSPECTOR ON STAFF 6. FULL-TIME QUALITY ASSURANCE MANAGER ON STAFF	
- THE C	OOF DECK DEAD LOAD WILL ALWAYS BE INCL OLLATERAL LOAD REPRESENTS ADDITIONAL LO	DAD THAT CAI	N BE SUPPORTED BY THE FRAME	7. FULL-TIME LEED AP ON STAFF C. MANUFACTURER CERTIFICATIONS	
- TOTAL - CUT SI	l roof dead load must be less than or eq heets of any boards, boxes and equipme hts and dimensions are required	QUAL TO THE N	MAX DEAD LOAD SHOWN IN STEP 4	1. PCI 4000 CERTIFICATION THROUGH POWDER COATING INSTITUTE (PCI) 2. AISC CERTIFIED FABRICATOR	
_	IDENTIFY THE LOAD SCENARIO			1.6 MANUFACTURER WARRANTY A. STRUCTURE MUST HAVE (10) YEAR LIMITED WARRANTY ON STEEL FRAME MEMBERS.	Ŏ
- REFER	ence the step 4 color and select the app			B. STRUCTURE MUST HAVE (10) YEAR LIMITED WARRANTY ON PAINT SYSTEM. C. PASS THROUGH WARRANTY OF ROOFING MANUFACTURER SHALL BE PROVIDED UPON REQUEST. PART 2 - PRODUCTS	
	SCENARIOS HAVE NO IMPACT ON FRAME DE	LSIGIN OR COS	DI, DUI DU AFFECT FUUNDATION SIZE	2.1 MANUFACTURER	
- ROOF	WIDTHS UP TO 20' WIDE USE THE "RAM 20"			A. ACCEPTABLE MANUFACTURERS 1. POLIGON, A DIVISION OF PORTERCORP.	ROFESSIONAL
- THE 20	" WIDTHS UP TO 30' WIDE USE THE "RAM 30" D' AND 30' WIDTHS ARE SUGGESTED BECAUSE MUM WIDTH IS 30'; (SEE 'ARCHITECTURAL VIEW			A. 4240 N 136TH AVE., HOLLAND, MI 49424; (616) 399-1963; <u>WWW.POLIGON.COM</u> . I. FOR POLIGON STRUCTURES IN <i>NORTHERN CALIFORNIA</i> , THE LOCAL REPRESENTATIVE IS ALL ABOUT PLAY (WWW.PLAYGROUNDPROS.COM). EMAIL AAP@PLAYGROUNDPROS	
	IDENTIFY SITE SPECIFIC ROOF WIDTH AND LEN			. <u>COM</u> OR CALL (916) 923-2180 II. FOR POLIGON STRUCTURES IN SOUTHERN CALIFORNIA, THE LOCAL REPRESENTATIVE IS	№ No. S5476
- DO NO	OT EXCEED THE TOTAL ROOF AREA FROM STEP	P 1 (ROOF WID	OTH MULTIPLIED BY ROOF LENGTH)	MIRACLE PLAYGROUND SALES <u>(MIRACLEPLAYGROUNDSALES.COM</u> EMAIL <u>SALES@MIRACLEPLAYGROUND.COM</u> OR CALL (951) 695-4515 B. SUBSTITUTION LIMITATIONS	SALAUCTURAL AND
STEP 9:	FOUNDATION TYPE			1. THE ENGINEERING FOR THIS STRUCTURE IS ONLY APPLICABLE IF POLIGON SUPPLIES THE MATERIAL. 2. IF THE CONTRACTOR ELECTS TO SUBSTITUTE A DIFFERENT STRUCTURE, THEY ARE RESPONSIBLE TO	COP CALITY
- SELEC	T A FOUNDATION BASED THE DESIRED FOUND T EITHER SPREAD PAD OR DRILLED PIER FOUND	DATION PRIOR	TO APPROVAL	OBTAIN THE NECESSARY DSA APPROVAL WITH: A. NO COST TO THE DISTRICT OR ARCHITECT	APPROVALS-PC
- FOUN - FOUN - REVIEV	DATION TYPE IMPACTS CONSTRUCTION (TIMIN DATION TYPE IMPACTS ANCHOR BOLT LENGT W OF SITE-SPECIFIC SOILS REPORT TO EVALUA	NG, SEQUENCE TH (NOT PROVI TE APPLICABIL	E, COST, ETC.) IDED BY POLIGON) ITY OF FOUNDATION OPTIONS AVAILABI	B. NO CHANGE TO THE CONSTRUCTION SCHEDULE 3. SUBSTITUTIONS MUST BE APPROVED A MINIMUM OF (10) DAYS BEFORE BID.	
	W OF SITE-SPECIFIC SOILS REPORT TO EVALUA	ie ait licabil		5. SUBSTITUTE MANUFACTURERS SHALL NOT BE ALLOWED TO BID WITHOUT WRITTEN	ITIFICATION STAMP
- USE THE SELECTIONS FROM STEP 6 AND STEP 9 TO SELECT THE APPROPRIATE FOUNDATION					
- USE TH	he selections from step 6 and step 9 to se	ELECT THE APPI	ROPRIATE FOUNDATION	6. SUBSTITUTE MANUFACTURERS MUST MEET "MANUFACTURER QUALIFICATIONS" LISTED IN DIV. OF T PART 1 OF THIS SPECIFICATION.	THE STATE ARCHITECT
	HE SELECTIONS FROM STEP 6 AND STEP 9 TO SE : SELECT APPLICABLE SHEET INDEX FOR YOUR		ROPRIATE FOUNDATION	 6. SUBSTITUTE MANUFACTURERS MUST MEET "MANUFACTURER QUALIFICATIONS" LISTED IN PART 1 OF THIS SPECIFICATION. 7. SUBSTITUTE MANUFACTURERS MUST PROVIDE PROOF OF "MANUFACTURER CERTIFICATIONS" ABOVE. 8. SUBSTITUTE MANUFACTURERS MUST PROVIDE PAINT FINISH DESCRIBED IN "FRAME FINISH" 	THE STATE ARCHITECT 2-121213 PC REVIEWED FOR
STEP 11 - IDENTI - INCLU	: SELECT APPLICABLE SHEET INDEX FOR YOUR IFY THE APPLICABLE SHEET INDEX JDE APPLICABLE SHEETS WITH YOUR DSA SUBM	PROJECT		 6. SUBSTITUTE MANUFACTURERS MUST MEET "MANUFACTURER QUALIFICATIONS" LISTED IN PART 1 OF THIS SPECIFICATION. 7. SUBSTITUTE MANUFACTURERS MUST PROVIDE PROOF OF "MANUFACTURER CERTIFICATIONS" ABOVE. 8. SUBSTITUTE MANUFACTURERS MUST PROVIDE PAINT FINISH DESCRIBED IN "FRAME FINISH" BELOW. 	THE STATE ARCHITECT 2-121213 PC REVIEWED FOR FLS 🗹 ACS 🗹 CG 🔲
STEP 11 - IDENTI - INCLU - EXCLU	: SELECT APPLICABLE SHEET INDEX FOR YOUR	PROJECT NITTAL ECTS WITHOUT	electrical cutouts or gutters	 6. SUBSTITUTE MANUFACTURERS MUST MEET "MANUFACTURER QUALIFICATIONS" LISTED IN PART 1 OF THIS SPECIFICATION. 7. SUBSTITUTE MANUFACTURERS MUST PROVIDE PROOF OF "MANUFACTURER CERTIFICATIONS" ABOVE. 8. SUBSTITUTE MANUFACTURERS MUST PROVIDE PAINT FINISH DESCRIBED IN "FRAME FINISH" BELOW. 2.2 FRAME A. MATERIALS 	THE STATE ARCHITECT 2-121213 PC REVIEWED FOR
STEP 11 - IDENTI - INCLU - EXCLU - EXCLU STEP 12	: SELECT APPLICABLE SHEET INDEX FOR YOUR IFY THE APPLICABLE SHEET INDEX JDE APPLICABLE SHEETS WITH YOUR DSA SUBM JDE 'MISC DESIGN OPTIONS' SHEET FOR PROJEC JDE 'ELECTRICAL CUTOUTS' SHEET FOR PROJEC 2: MULTIPLE STRUCTURES WITH THE SAME PC#	PROJECT NITTAL ECTS WITHOUT CTS WITHOUT E	ELECTRICAL CUTOUTS OR GUTTERS ELECTRICAL CUTOUTS	 6. SUBSTITUTE MANUFACTURERS MUST MEET "MANUFACTURER QUALIFICATIONS" LISTED IN PART 1 OF THIS SPECIFICATION. 7. SUBSTITUTE MANUFACTURERS MUST PROVIDE PROOF OF "MANUFACTURER CERTIFICATIONS" ABOVE. 8. SUBSTITUTE MANUFACTURERS MUST PROVIDE PAINT FINISH DESCRIBED IN "FRAME FINISH" BELOW. 2.2 FRAME A. MATERIALS 1. ANCHOR BOLTS: SEE DRAWINGS FOR REQUIREMENTS. ANCHOR BOLTS NOT PROVIDED BY MANUFACTURER 2. STRUCTURAL STEEL: SEE DRAWINGS FOR REQUIREMENTS. 	THE STATE ARCHITECT 2-121213 PC REVIEWED FOR FLS 🗹 ACS 🗹 CG 🔲
STEP 11 - IDENTI - INCLU - EXCLU - EXCLU STEP 12 - FILL IN - UNO 0	: SELECT APPLICABLE SHEET INDEX FOR YOUR IFY THE APPLICABLE SHEET INDEX JDE APPLICABLE SHEETS WITH YOUR DSA SUBM JDE 'MISC DESIGN OPTIONS' SHEET FOR PROJEC JDE 'ELECTRICAL CUTOUTS' SHEET FOR PROJEC MULTIPLE STRUCTURES WITH THE SAME PC# I ROOF LENGTH AND WIDTH OF STRUCTURES A ON THE POLIGON DRAWINGS, POLIGON WILL	PROJECT AITTAL ECTS WITHOUT CTS WITHOUT E	ELECTRICAL CUTOUTS OR GUTTERS ELECTRICAL CUTOUTS	 6. SUBSTITUTE MANUFACTURERS MUST MEET "MANUFACTURER QUALIFICATIONS" LISTED IN PART 1 OF THIS SPECIFICATION. 7. SUBSTITUTE MANUFACTURERS MUST PROVIDE PROOF OF "MANUFACTURER CERTIFICATIONS" ABOVE. 8. SUBSTITUTE MANUFACTURERS MUST PROVIDE PAINT FINISH DESCRIBED IN "FRAME FINISH" BELOW. 2.2 FRAME A. MATERIALS ANCHOR BOLTS: SEE DRAWINGS FOR REQUIREMENTS. ANCHOR BOLTS NOT PROVIDED BY MANUFACTURER STRUCTURAL STEEL: SEE DRAWINGS FOR REQUIREMENTS. B. FINISH 	THE STATE ARCHITECT 2-121213 PC REVIEWED FOR FLS 🗹 ACS 🗹 CG 🔲
STEP 11 - IDENTI - INCLU - EXCLU - EXCLU STEP 12 - FILL IN - UNO (STRUC	: SELECT APPLICABLE SHEET INDEX FOR YOUR IFY THE APPLICABLE SHEET INDEX JDE APPLICABLE SHEETS WITH YOUR DSA SUBM JDE 'MISC DESIGN OPTIONS' SHEET FOR PROJEC JDE 'ELECTRICAL CUTOUTS' SHEET FOR PROJEC MULTIPLE STRUCTURES WITH THE SAME PC#	PROJECT AITTAL ECTS WITHOUT CTS WITHOUT E	ELECTRICAL CUTOUTS OR GUTTERS ELECTRICAL CUTOUTS	 6. SUBSTITUTE MANUFACTURERS MUST MEET "MANUFACTURER QUALIFICATIONS" LISTED IN PART 1 OF THIS SPECIFICATION. 7. SUBSTITUTE MANUFACTURERS MUST PROVIDE PROOF OF "MANUFACTURER CERTIFICATIONS" ABOVE. 8. SUBSTITUTE MANUFACTURERS MUST PROVIDE PAINT FINISH DESCRIBED IN "FRAME FINISH" BELOW. 2.2 FRAME A. MATERIALS 1. ANCHOR BOLTS: SEE DRAWINGS FOR REQUIREMENTS. ANCHOR BOLTS NOT PROVIDED BY MANUFACTURER 2. STRUCTURAL STEEL: SEE DRAWINGS FOR REQUIREMENTS. 3. STRUCTURAL STEEL: SEE DRAWINGS FOR REQUIREMENTS. B. FINISH 1. FRAME FINISH: POLI-5000 POWDER COAT. NO FIELD PAINTING PERMITTED. A. COMPONENTS SHALL BE CLEANED, PRE-TREATED, AND FINISHED AT A FACILITY OWNED AND DIRECTLY SUPERVISED BY THE MANUFACTURER. 	THE STATE ARCHITECT 2-121213 PC REVIEWED FOR FLS 🗹 ACS 🗹 CG 🔲
STEP 11 - IDENTI - INCLU - EXCLU - EXCLU STEP 12 - FILL IN - UNO (STRUC	: SELECT APPLICABLE SHEET INDEX FOR YOUR IFY THE APPLICABLE SHEET INDEX JDE APPLICABLE SHEETS WITH YOUR DSA SUBM JDE 'MISC DESIGN OPTIONS' SHEET FOR PROJEC JDE 'ELECTRICAL CUTOUTS' SHEET FOR PROJEC MULTIPLE STRUCTURES WITH THE SAME PC# I ROOF LENGTH AND WIDTH OF STRUCTURES A ON THE POLIGON DRAWINGS, POLIGON WILL CTURE IS THE SAME	PROJECT AITTAL ECTS WITHOUT CTS WITHOUT E	ELECTRICAL CUTOUTS OR GUTTERS ELECTRICAL CUTOUTS	 6. SUBSTITUTE MANUFACTURERS MUST MEET "MANUFACTURER QUALIFICATIONS" LISTED IN PART 1 OF THIS SPECIFICATION. 7. SUBSTITUTE MANUFACTURERS MUST PROVIDE PROOF OF "MANUFACTURER CERTIFICATIONS" ABOVE. 8. SUBSTITUTE MANUFACTURERS MUST PROVIDE PAINT FINISH DESCRIBED IN "FRAME FINISH" BELOW. 2.2 FRAME A. MATERIALS 1. ANCHOR BOLTS: SEE DRAWINGS FOR REQUIREMENTS. ANCHOR BOLTS NOT PROVIDED BY MANUFACTURER 2. STRUCTURAL STEEL: SEE DRAWINGS FOR REQUIREMENTS. 3. STRUCTURAL BOLTS: SEE DRAWINGS FOR REQUIREMENTS. B. FINISH 1. FRAME FINISH: POLI-5000 POWDER COAT. NO FIELD PAINTING PERMITTED. A. COMPONENTS SHALL BE CLEANED, PRE-TREATED, AND FINISHED AT A FACILITY OWNED AND DIRECTLY SUPERVISED BY THE MANUFACTURER. B. COMPONENTS SHALL BE SHOT BLASTED TO SSPC-SP10 NEAR-WHITE BLAST CLEANING. SSPC-SP2 HAND TOOL CLEANING WILL NOT BE AN ACCEPTABLE ALTERNATIVE.	THE STATE ARCHITECT 2-121213 PC REVIEWED FOR FLS 🗹 ACS 🗹 CG 🔲
STEP 11 - IDENTI - INCLU - EXCLU - EXCLU STEP 12 - FILL IN - UNO (STRUC	: SELECT APPLICABLE SHEET INDEX FOR YOUR IFY THE APPLICABLE SHEET INDEX JDE APPLICABLE SHEETS WITH YOUR DSA SUBM JDE 'MISC DESIGN OPTIONS' SHEET FOR PROJEC JDE 'ELECTRICAL CUTOUTS' SHEET FOR PROJEC C: MULTIPLE STRUCTURES WITH THE SAME PC# N ROOF LENGTH AND WIDTH OF STRUCTURES A ON THE POLIGON DRAWINGS, POLIGON WILL CTURE IS THE SAME FACT POLIGON FOR FURTHER INFORMATION	PROJECT AITTAL ECTS WITHOUT CTS WITHOUT E AS WELL AS QU ASSUME ALL E	ELECTRICAL CUTOUTS OR GUTTERS ELECTRICAL CUTOUTS	 6. SUBSTITUTE MANUFACTURERS MUST MEET "MANUFACTURER QUALIFICATIONS" LISTED IN PART 1 OF THIS SPECIFICATION. 7. SUBSTITUTE MANUFACTURERS MUST PROVIDE PROOF OF "MANUFACTURER CERTIFICATIONS" ABOVE. 8. SUBSTITUTE MANUFACTURERS MUST PROVIDE PAINT FINISH DESCRIBED IN "FRAME FINISH" BELOW. 2.2 FRAME A. MATERIALS I. ANCHOR BOLTS: SEE DRAWINGS FOR REQUIREMENTS. ANCHOR BOLTS NOT PROVIDED BY MANUFACTURER 2. STRUCTURAL STEEL: SEE DRAWINGS FOR REQUIREMENTS. 3. STRUCTURAL BOLTS: SEE DRAWINGS FOR REQUIREMENTS. B. FINISH I. FRAME FINISH: POLI-5000 POWDER COAT. NO FIELD PAINTING PERMITTED. A. COMPONENTS SHALL BE CLEANED, PRE-TREATED, AND FINISHED AT A FACILITY OWNED AND DIRECTLY SUPERVISED BY THE MANUFACTURER. B. COMPONENTS SHALL BE SHOT BLASTED TO SSPC-SP10 NEAR-WHITE BLAST CLEANING. SSPC-SP2 	THE STATE ARCHITECT 2-121213 PC REVIEWED FOR FLS 🗹 ACS 🗹 CG 🔲
STEP 11 - IDENTI - INCLU - EXCLU - EXCLU STEP 12 - FILL IN - UNO (STRUC	: SELECT APPLICABLE SHEET INDEX FOR YOUR IFY THE APPLICABLE SHEET INDEX JDE APPLICABLE SHEETS WITH YOUR DSA SUBM JDE 'MISC DESIGN OPTIONS' SHEET FOR PROJEC JDE 'ELECTRICAL CUTOUTS' SHEET FOR PROJEC 2: MULTIPLE STRUCTURES WITH THE SAME PC# I ROOF LENGTH AND WIDTH OF STRUCTURES A ON THE POLIGON DRAWINGS, POLIGON WILL CTURE IS THE SAME FACT POLIGON FOR FURTHER INFORMATION SHEET IN	PROJECT AITTAL ECTS WITHOUT CTS WITHOUT E AS WELL AS QU ASSUME ALL E	ELECTRICAL CUTOUTS OR GUTTERS ELECTRICAL CUTOUTS	 6. SUBSTITUTE MANUFACTURERS MUST MEET "MANUFACTURER QUALIFICATIONS" LISTED IN PART 1 OF THIS SPECIFICATION. 7. SUBSTITUTE MANUFACTURERS MUST PROVIDE PROOF OF "MANUFACTURER CERTIFICATIONS" ABOVE. 8. SUBSTITUTE MANUFACTURERS MUST PROVIDE PAINT FINISH DESCRIBED IN "FRAME FINISH" BELOW. 2.2 FRAME A. MATERIALS 1. ANCHOR BOLTS: SEE DRAWINGS FOR REQUIREMENTS. ANCHOR BOLTS NOT PROVIDED BY MANUFACTURER 2. STRUCTURAL STEEL: SEE DRAWINGS FOR REQUIREMENTS. 3. STRUCTURAL BOLTS: SEE DRAWINGS FOR REQUIREMENTS. B. FINISH 1. FRAME FINISH: POLI-5000 POWDER COAT. NO FIELD PAINTING PERMITTED. A. COMPONENTS SHALL BE CLEANED, PRE-TREATED, AND FINISHED AT A FACILITY OWNED AND DIRECTLY SUPERVISED BY THE MANUFACTURER. B. COMPONENTS SHALL BE SHOT BLASTED TO SSPC-SP10 NEAR-WHITE BLAST CLEANING. SSPC-SP2 HAND TOOL CLEANING WILL NOT BE AN ACCEPTABLE ALTERNATIVE. C. COMPONENTS SHALL BE POXY PRIMER COAT FOR SUPERIOR CORROSION PROTECTION. E. COMPONENTS SHALL BE POXY PRIMER COAT FOR SUPERIOR CORROSION PROTECTION. E. COMPONENTS SHALL BE SHOT BLASTED TO SSPC-SP10 NEAR-WHITE BLAST CLEANING. SSPC-SP2 HAND TOOL CLEANING WILL NOT BE AN ACCEPTABLE ALTERNATIVE. C. COMPONENTS SHALL BE POXY PRIMER COAT FOR SUPERIOR CORROSION PROTECTION. E. COMPONENTS SHALL RECEIVE EPOXY PRIMER COAT FOR SUPERIOR CORROSION PROTECTION. E. COMPONENTS SHALL RECEIVE TOP COAT OF SUPER DURABLE TGIC POWDER COAT. F. FINISH SHALL NOT HAVE ANY VOC EMISSIONS. G. MANUFACTURER SHALL BE ABLE TO PRODUCE DOCUMENTATION STATING SAMPLE 	THE STATE ARCHITECT 2-121213 PC REVIEWED FOR FLS I ACS I CG I 7/18/2023
STEP 11 - IDENTI - INCLU - EXCLU - EXCLU STEP 12 - FILL IN - UNO (STRUC - CONT 1 RAM1.0 2 RAM1.1	: SELECT APPLICABLE SHEET INDEX FOR YOUR IFY THE APPLICABLE SHEET INDEX JDE APPLICABLE SHEETS WITH YOUR DSA SUBM JDE 'MISC DESIGN OPTIONS' SHEET FOR PROJEC JDE 'ELECTRICAL CUTOUTS' SHEET FOR PROJEC 2: MULTIPLE STRUCTURES WITH THE SAME PC# I ROOF LENGTH AND WIDTH OF STRUCTURES A ON THE POLIGON DRAWINGS, POLIGON WILL CTURE IS THE SAME FACT POLIGON FOR FURTHER INFORMATION SHEET IN ORDER FORM NOTES AND SPECIAL INSPECTIONS	PROJECT AITTAL ECTS WITHOUT CTS WITHOUT E AS WELL AS QU ASSUME ALL E DEX 11 RAM4.2 12 RAM4.3	ELECTRICAL CUTOUTS OR GUTTERS ELECTRICAL CUTOUTS JANTITY DESIGN CRITERIA FOR EACH FRAME CONNECTION DETAILS - RAM 30 SECTION DETAILS - RAM 30	 6. SUBSTITUTE MANUFACTURERS MUST MEET "MANUFACTURER QUALIFICATIONS" LISTED IN PART 1 OF THIS SPECIFICATION. 7. SUBSTITUTE MANUFACTURERS MUST PROVIDE PROOF OF "MANUFACTURER CERTIFICATIONS" ABOVE. 8. SUBSTITUTE MANUFACTURERS MUST PROVIDE PAINT FINISH DESCRIBED IN "FRAME FINISH" BELOW. 2.2 FRAME A. MATERIALS 1. ANCHOR BOLTS: SEE DRAWINGS FOR REQUIREMENTS. ANCHOR BOLTS NOT PROVIDED BY MANUFACTURER 2. STRUCTURAL STEEL: SEE DRAWINGS FOR REQUIREMENTS. 3. STRUCTURAL STEEL: SEE DRAWINGS FOR REQUIREMENTS. B. FINISH 1. FRAME FINISH: POLI-5000 POWDER COAT. NO FIELD PAINTING PERMITTED. A. COMPONENTS SHALL BE CLEANED, PRE-TREATED, AND FINISHED AT A FACILITY OWNED AND DIRECTLY SUPERVISED BY THE MANUFACTURER. B. COMPONENTS SHALL BE CLEANED, PRE-TREATED, AND FINISHED AT A FACILITY OWNED AND DIRECTLY SUPERVISED BY THE MANUFACTURER. B. COMPONENTS SHALL BE CLEANED, PRE-TREATED, AND FINISHED AT A FACILITY OWNED AND DIRECTLY SUPERVISED BY THE MANUFACTURER. C. COMPONENTS SHALL BE CLEANED TO SSPC-SP10 NEAR-WHITE BLAST CLEANING. SSPC-SP2 HAND TOOL CLEANING WILL NOT BE AN ACCEPTABLE ALTERNATIVE. C. COMPONENTS SHALL BE CIEVE EPOXY PRIMER COAT FOR SUPERIOR CORROSION PROTECTION. E. COMPONENTS SHALL BE CIEVE TOP COAT OF SUPER DURABLE TGIC POWDER COAT. F. FINISH SHALL NOT HAVE ANY VOC EMBER TESTED TO MEET THE FOLLOWING: G. MANUFACTURER SHALL BE ABLE TO PRODUCE DOCUMENTATION STATING SAMPLE PRODUCTION COMPONENTS HAVE BEAN TESTED TO MEET THE FOLLOWING: I. SALT SPRAY RESISTANCE PER ASTING 117/ ASTIN D 1654 TO 10,000 HOURS WITH NO CREEP FROM SCRIBE LINE AND RATING OF 10. 	THE STATE ARCHITECT 2-121213 PC REVIEWED FOR FLS 🗹 ACS 🗹 CG 🔲
STEP 11 - IDENTI - INCLU - EXCLU - EXCLU STEP 12 - FILL IN - UNO C STRUC - CONT 1 RAM1.0 2 RAM1.1 3 RAM2.0 4 RAM2.1	: SELECT APPLICABLE SHEET INDEX FOR YOUR IFY THE APPLICABLE SHEET INDEX JDE APPLICABLE SHEETS WITH YOUR DSA SUBM JDE 'MISC DESIGN OPTIONS' SHEET FOR PROJEC JDE 'ELECTRICAL CUTOUTS' SHEET FOR PROJEC 2: MULTIPLE STRUCTURES WITH THE SAME PC# I ROOF LENGTH AND WIDTH OF STRUCTURES A ON THE POLIGON DRAWINGS, POLIGON WILL CTURE IS THE SAME FACT POLIGON FOR FURTHER INFORMATION SHEET IN ORDER FORM NOTES AND SPECIAL INSPECTIONS FOUNDATION PLAN SPREAD PAD - RAM 20 FOUNDATION PLAN DRILLED PIER - RAM 20	PROJECT	ELECTRICAL CUTOUTS OR GUTTERS ELECTRICAL CUTOUTS JANTITY DESIGN CRITERIA FOR EACH FRAME CONNECTION DETAILS - RAM 30 SECTION DETAILS - RAM 30 ARCHITECTURAL VIEWS - RAM 20 ARCHITECTURAL VIEWS - RAM 30	 6. SUBSTITUTE MANUFACTURERS MUST MEET "MANUFACTURER QUALIFICATIONS" LISTED IN PART 1 OF THIS SPECIFICATION. 7. SUBSTITUTE MANUFACTURERS MUST PROVIDE PROOF OF "MANUFACTURER CERTIFICATIONS" ABOVE. 8. SUBSTITUTE MANUFACTURERS MUST PROVIDE PAINT FINISH DESCRIBED IN "FRAME FINISH" BELOW. 2.2 FRAME A. MATERIALS 1. ANCHOR BOLTS: SEE DRAWINGS FOR REQUIREMENTS. ANCHOR BOLTS NOT PROVIDED BY MANUFACTURER 2. STRUCTURAL STEEL: SEE DRAWINGS FOR REQUIREMENTS. 3. STRUCTURAL STEEL: SEE DRAWINGS FOR REQUIREMENTS. B. FINISH 1. FRAME FINISH: POLI-5000 POWDER COAT. NO FIELD PAINTING PERMITTED. A. COMPONENTS SHALL BE CLEANED, PRE-TREATED, AND FINISHED AT A FACILITY OWNED AND DIRECTLY SUPERVISED BY THE MANUFACTURER. B. COMPONENTS SHALL BE SHOT BLASTED TO SSPC-SP10 NEAR-WHITE BLAST CLEANING. SSPC-SP2 HAND TOOL CLEANING WILL NOT BE AN ACCEPTABLE ALTERNATIVE. C. COMPONENTS SHALL BE CEIVE EPOXY PRIMER COAT FOR SUPERIOR CORROSION PROTECTION. E. COMPONENTS SHALL RECEIVE EPOXY PRIMER COAT FOR SUPERIOR CORROSION PROTECTION. E. COMPONENTS SHALL BE ABLE TO PRODUCE DOCUMENTATION STATING SAMPLE PRODUCTION COMPONENTS HAVE BEEN TESTED TO MEET THE FOLLOWING: I. SALT SPRAY RESISTANCE PER ASTM B 117/ ASTM D 1654 TO 10,000 HOURS WITH NO CREEP FROM SCRIBE LINE AND RATING OF 10. II. HUMIDITY RESISTANCE PER ASTM D 2247-02 TO 5,000 HOURS WITH NO LOSS OF ADHESION 	THE STATE ARCHITECT 2-121213 PC REVIEWED FOR FLS I ACS I CG I 7/18/2023
STEP 11 - IDENTI - INCLU - EXCLU - EXCLU STEP 12 - FILL IN - UNO C STRUC - CONT 1 RAM1.0 2 RAM1.1 3 RAM2.0 4 RAM2.1 5 RAM2.2	: SELECT APPLICABLE SHEET INDEX FOR YOUR IFY THE APPLICABLE SHEET INDEX JDE APPLICABLE SHEETS WITH YOUR DSA SUBM JDE 'MISC DESIGN OPTIONS' SHEET FOR PROJEC 2: MULTIPLE STRUCTURES WITH THE SAME PC# I ROOF LENGTH AND WIDTH OF STRUCTURES A ON THE POLIGON DRAWINGS, POLIGON WILL CTURE IS THE SAME TACT POLIGON FOR FURTHER INFORMATION SHEET IN ORDER FORM NOTES AND SPECIAL INSPECTIONS FOUNDATION PLAN SPREAD PAD - RAM 20 FOUNDATION PLAN SPREAD PAD - RAM 30	PROJECT	ELECTRICAL CUTOUTS OR GUTTERS ELECTRICAL CUTOUTS JANTITY DESIGN CRITERIA FOR EACH FRAME CONNECTION DETAILS - RAM 30 SECTION DETAILS - RAM 30 ARCHITECTURAL VIEWS - RAM 20 ARCHITECTURAL VIEWS - RAM 30 ROOF CONNECTION DETAILS	 6. SUBSTITUTE MANUFACTURERS MUST MEET "MANUFACTURER QUALIFICATIONS" LISTED IN PART 1 OF THIS SPECIFICATION. 7. SUBSTITUTE MANUFACTURERS MUST PROVIDE PROOF OF "MANUFACTURER CERTIFICATIONS" ABOVE. 8. SUBSTITUTE MANUFACTURERS MUST PROVIDE PAINT FINISH DESCRIBED IN "FRAME FINISH" BELOW. 2.2 FRAME A. MATERIALS 1. ANCHOR BOLTS: SEE DRAWINGS FOR REQUIREMENTS. ANCHOR BOLTS NOT PROVIDED BY MANUFACTURER 2. STRUCTURAL STEEL: SEE DRAWINGS FOR REQUIREMENTS. 3. STRUCTURAL BOLTS: SEE DRAWINGS FOR REQUIREMENTS. B. FINISH 1. FRAME FINISH: POLI-5000 POWDER COAT. NO FIELD PAINTING PERMITTED. A. COMPONENTS SHALL BE CLEANED, PRE-TREATED, AND FINISHED AT A FACILITY OWNED AND DIRECTLY SUPERVISED BY THE MANUFACTURER. B. COMPONENTS SHALL BE SHOT BLASTED TO SSPC-SP10 NEAR-WHITE BLAST CLEANING. SSPC-SP2 HAND TOOL CLEANING WILL NOT BE AN ACCEPTABLE ALTERNATIVE. C. COMPONENTS SHALL BE PRETREATED IN A (3) STAGE IRON PHOSPHATE OR EQUAL WASHER. D. COMPONENTS SHALL BE PRETREATED IN A (3) STAGE IRON PHOSPHATE OR EQUAL WASHER. D. COMPONENTS SHALL BE PRETREATED IN A (3) STAGE IRON PHOSPHATE OR EQUAL WASHER. D. COMPONENTS SHALL BE PRETREATED IN A (3) STAGE IRON PHOSPHATE OR EQUAL WASHER. D. COMPONENTS SHALL BE RETREATED IN A (3) STAGE IRON PHOSPHATE OR EQUAL WASHER. D. COMPONENTS SHALL BE ABLE TO PRODUCE DOCUMENTATION STATING SAMPLE PRODUCTION COMPONENTS HAVE BEEN TESTED TO MEET THE FOLLOWING: I. SALT SPRAY RESISTANCE PER ASTM B 117/ ASTM D 1654 TO 10,000 HOURS WITH NO CREEP FROM SCRIBE LINE AND RATING OF 10. II. HUMDITY RESISTANCE PER ASTM G154-04 TO 2,000 HOURS WITH NO LOSS OF ADHESION OR BLISTERING. III. COLOR/UV RESISTANCE PER ASTM G154-04 TO 2,000 HOURS WITH NO LOSS OF ADHESION OR BLISTERING. III. COLOR/UV RESISTANCE PER ASTM G154-04 TO 2,000 HOURS WITH NO LOSS OF ADHESION OR BLISTERING. 	THE STATE ARCHITECT 2-121213 PC REVIEWED FOR FLS I ACS I CG I 7/18/2023
STEP 11 - IDENTI - INCLU - EXCLU - EXCLU STEP 12 - FILL IN - UNO (STRUC - CONT 1 RAM1.0 2 RAM1.1 3 RAM2.0 4 RAM2.1 5 RAM2.2 6 RAM2.3 7 RAM3.0	: SELECT APPLICABLE SHEET INDEX FOR YOUR IFY THE APPLICABLE SHEETS WITH YOUR DSA SUBM JDE APPLICABLE SHEETS WITH YOUR DSA SUBM JDE 'MISC DESIGN OPTIONS' SHEET FOR PROJEC 2. MULTIPLE STRUCTURES WITH THE SAME PC# I ROOF LENGTH AND WIDTH OF STRUCTURES A ON THE POLIGON DRAWINGS, POLIGON WILL CTURE IS THE SAME TACT POLIGON FOR FURTHER INFORMATION SHEET IN ORDER FORM NOTES AND SPECIAL INSPECTIONS FOUNDATION PLAN SPREAD PAD - RAM 20 FOUNDATION PLAN DRILLED PIER - RAM 30 FOUNDATION PLAN DRILLED PIER - RAM 30 FOUNDATION PLAN DRILLED PIER - RAM 30 FOUNDATION PLAN AND 20	PROJECT	ELECTRICAL CUTOUTS OR GUTTERS ELECTRICAL CUTOUTS JANTITY DESIGN CRITERIA FOR EACH FRAME CONNECTION DETAILS - RAM 30 SECTION DETAILS - RAM 30 ARCHITECTURAL VIEWS - RAM 20 ARCHITECTURAL VIEWS - RAM 30 ROOF CONNECTION DETAILS ROOF CONNECTION DETAILS MISC DESIGN OPTIONS	 6. SUBSTITUTE MANUFACTURERS MUST MEET "MANUFACTURER QUALIFICATIONS" LISTED IN PART 1 OF THIS SPECIFICATION. 7. SUBSTITUTE MANUFACTURERS MUST PROVIDE PROOF OF "MANUFACTURER CERTIFICATIONS" ABOVE. 8. SUBSTITUTE MANUFACTURERS MUST PROVIDE PAINT FINISH DESCRIBED IN "FRAME FINISH" BELOW. 2.2 FRAME A. MATERIALS 1. ANCHOR BOLTS: SEE DRAWINGS FOR REQUIREMENTS. ANCHOR BOLTS NOT PROVIDED BY MANUFACTURER 2. STRUCTURAL STEL: SEE DRAWINGS FOR REQUIREMENTS. 3. STRUCTURAL BOLTS: SEE DRAWINGS FOR REQUIREMENTS. 3. STRUCTURAL BOLTS: SEE DRAWINGS FOR REQUIREMENTS. B. FINISH 1. FRAME FINISH: POLI-5000 POWDER COAT. NO FIELD PAINTING PERMITTED. A. COMPONENTS SHALL BE CLEANED, PRE-TREATED, AND FINISHED AT A FACILITY OWNED AND DIRECTLY SUPERVISED BY THE MANUFACTURER. B. COMPONENTS SHALL BE SHOT BLASTED TO SSPC.SP10 NEAR-WHITE BLAST CLEANING. SSPC-SP2 HAND TOOL CLEANING WILL NOT BE AN ACCEPTABLE ALTERNATIVE. C. COMPONENTS SHALL BE CHEVE TOP COAT OF SUPER DOR PORSION PROTECTION. E. COMPONENTS SHALL BE COPY PRIMER COAT FOR SUPERIOR CORROSION PROTECTION. E. COMPONENTS SHALL BE ABLE TO PRODUCE DOCUMENTATION STATING SAMPLE PRODUCTION COMPONENTS HALL BE TO PRODUCE DOCUMENTATION STATING SAMPLE PRODUCTION COMPONENTS HALL BE TO PRODUCE DOCUMENTATION STATING SAMPLE PRODUCTION COMPONENTS HAVE BEEN TESTED TO MEET THE FOLLOWING: I. SALT SPRAY RESISTANCE PER ASTM D2247-02 TO 5,000 HOURS WITH NO CREEP FROM SCRIBE LINE AND RATING OF 10. II. COLOR/UV RESISTANCE PER ASTM D2247-02 TO 5,000 HOURS EXPOSURE, ALTERNATE CYCLES WITH RESULTS OF NO CHALKING, 75% COLOR RETENTION, COLOR VARIATION MAXIMUM 3.0 E VARIATION CIE FORMULA (BEFORE AND AFTER 2,000 HOURS EXPOSURE). 2. FRAME COLOR: DETERMINED BY DISTRICT. C. FABRICATION 	THE STATE ARCHITECT 2-121213 PC REVIEWED FOR FLS I ACS I CG I 7/18/2023
STEP 11 - IDENTI - INCLU - EXCLU - EXCLU STEP 12 - FILL IN - UNO C STRUC - CONT 1 RAM1.0 2 RAM1.1 3 RAM2.0 4 RAM2.1 5 RAM2.2 6 RAM2.3	: SELECT APPLICABLE SHEET INDEX FOR YOUR IFY THE APPLICABLE SHEET INDEX JDE APPLICABLE SHEETS WITH YOUR DSA SUBM JDE 'MISC DESIGN OPTIONS' SHEET FOR PROJEC IDE 'ELECTRICAL CUTOUTS' SHEET FOR PROJEC : MULTIPLE STRUCTURES WITH THE SAME PC# I ROOF LENGTH AND WIDTH OF STRUCTURES A ON THE POLIGON DRAWINGS, POLIGON WILL CTURE IS THE SAME FACT POLIGON FOR FURTHER INFORMATION SHEET IN ORDER FORM NOTES AND SPECIAL INSPECTIONS FOUNDATION PLAN SPREAD PAD - RAM 20 FOUNDATION PLAN SPREAD PAD - RAM 30 FOUNDATION PLAN DRILLED PIER - RAM 30 FRAMING PLAN - RAM 30 FRAMING PLAN - RAM 30	PROJECT AITTAL ECTS WITHOUT CTS WITHOUT E AS WELL AS QU ASSUME ALL E 11 RAM4.2 12 RAM4.3 13 RAM5.0 14 RAM5.1 15 RAM6.0 16 RAM6.1	ELECTRICAL CUTOUTS OR GUTTERS ELECTRICAL CUTOUTS JANTITY DESIGN CRITERIA FOR EACH FRAME CONNECTION DETAILS - RAM 30 SECTION DETAILS - RAM 30 ARCHITECTURAL VIEWS - RAM 20 ARCHITECTURAL VIEWS - RAM 30 ROOF CONNECTION DETAILS ROOF CONNECTION DETAILS	 6. SUBSTITUTE WANUFACTURERS MUST MEET "MANUFACTURER QUALIFICATIONS" LISTED IN PART 1 OF THIS SPECIFICATION. 7. SUBSTITUTE MANUFACTURERS MUST PROVIDE PROOF OF "MANUFACTURER CERTIFICATIONS" ABOVE. 8. SUBSTITUTE MANUFACTURERS MUST PROVIDE PAINT FINISH DESCRIBED IN "FRAME FINISH" BELOW. 2.2 FRAME A. MATERIALS 1. ANCHOR BOLTS: SEE DRAWINGS FOR REQUIREMENTS. ANCHOR BOLTS NOT PROVIDED BY MANUFACTURER 2. STRUCTURAL STEEL: SEE DRAWINGS FOR REQUIREMENTS. 3. STRUCTURAL BOLTS: SEE DRAWINGS FOR REQUIREMENTS. B. FINISH 1. FRAME FINISH: POLI-5000 POWDER COAT. NO FIELD PAINTING PERMITTED. A. COMPONENTS SHALL BE CLEANED, PRE-TREATED, AND FINISHED AT A FACILITY OWNED AND DIRECTLY SUPERVISED BY THE MANUFACTURER. B. COMPONENTS SHALL BE SHOT BLASTED TO SSPC-SP10 NEAR-WHITE BLAST CLEANING. SSPC-SP2 HAND TOOL CLEANING WILL NOT BE AN ACCEPTABLE ALTERNATIVE. C. COMPONENTS SHALL BE PRETREATED IN A (3) STAGE IRON PHOSPHATE OR EQUIAL WASHER. D. COMPONENTS SHALL BE PRETREATED IN A (3) STAGE IRON PHOSPHATE OR EQUIAL WASHER. D. COMPONENTS SHALL BE PRETREATED IN A (3) STAGE IRON PHOSPHATE OR EQUIAL WASHER. D. COMPONENTS SHALL BE PRETREATED IN A (3) STAGE IRON PHOSPHATE OR EQUIAL WASHER. D. COMPONENTS SHALL BE PRETREATED IN A (3) STAGE IRON PHOSPHATE OR EQUIAL WASHER. D. COMPONENTS SHALL BE PRETREATED IN A (3) STAGE IRON PHOSPHATE OR EQUIAL WASHER. D. COMPONENTS SHALL BE PRETREATED IN A (3) STAGE IRON PHOSPHATE OR EQUIAL WASHER. D. COMPONENTS SHALL BE PRETREATED IN A (3) STAGE IRON PHOSPHATE OR EQUIAL WASHER. D. COMPONENTS SHALL BE PRETREATED IN A (3) STAGE IRON PHOSPHATE OR EQUIAL WASHER. D. COMPONENTS SHALL BE ADD RATING OF 100 MERT THE FOLLOWING: I. SALT SPRAY RESISTANCE PER ASTM B 117/ ASTM D 1654 TO 10,000 HOURS WITH NO CREEP FROM SCRIBE LINE AND RATING OF 10. II. HUMIDITY RESISTANCE PER ASTM B 117/ ASTM D 1654 TO 10,000 HOURS	CHECK (bC) CHECK (bC) REVIEWED FOR FLS ACS ACS CG (1) 7/18/2023 CBC ELS ACS CBC CBC CDE: 50555 CBC CBC CDE: 50555 CBC CBC CDE: 50555 CBC CBC CDE: 50555 CBC CDE: 50555555 CBC CDE: 505555 CBC CDE: 5055555 CBC CDE: 505555 C
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STEP 11 - IDENTI - INCLU - EXCLU - EXCLU STEP 12 - FILL IN - UNO C STRUC - CONT 1 RAM1.0 2 RAM1.1 3 RAM2.0 4 RAM2.1 5 RAM2.2 6 RAM2.3 7 RAM3.0 8 RAM3.1 9 RAM4.0 10 RAM4.1	: SELECT APPLICABLE SHEET INDEX FOR YOUR IFY THE APPLICABLE SHEET INDEX JDE APPLICABLE SHEETS WITH YOUR DSA SUBM JDE 'MISC DESIGN OPTIONS' SHEET FOR PROJEC DDE 'ELECTRICAL CUTOUTS' SHEET FOR PROJEC TOPOLICAL CUTOUTS' SHEET FOR PROJEC WULTIPLE STRUCTURES WITH THE SAME PC# I ROOF LENGTH AND WIDTH OF STRUCTURES A ON THE POLIGON DRAWINGS, POLIGON WILL TURE IS THE SAME TACT POLIGON FOR FURTHER INFORMATION SHEET IN ORDER FORM NOTES AND SPECIAL INSPECTIONS FOUNDATION PLAN SPREAD PAD - RAM 20 FOUNDATION PLAN SPREAD PAD - RAM 30 FOUNDATION PLAN SPREAD PAD - RAM 30 FOUNDATION PLAN SPREAD PAD - RAM 30 FRAMING PLAN - RAM 20 FRAMING PLAN - RAM 20 SECTION DETAILS - RAM 20	PROJECT	ELECTRICAL CUTOUTS OR GUTTERS ELECTRICAL CUTOUTS JANTITY DESIGN CRITERIA FOR EACH FRAME CONNECTION DETAILS - RAM 30 SECTION DETAILS - RAM 30 ARCHITECTURAL VIEWS - RAM 20 ARCHITECTURAL VIEWS - RAM 30 ROOF CONNECTION DETAILS ROOF CONNECTION DETAILS MISC DESIGN OPTIONS	 6. SUBSTITUTE MANUFACTURERS MUST MEET "MANUFACTURER QUALIFICATIONS" LISTED IN PART 10 F THIS SPECIFICATION. 7. SUBSTITUTE MANUFACTURERS MUST PROVIDE PROOF OF "MANUFACTURER CERTIFICATIONS" ABOVE. 8. SUBSTITUTE MANUFACTURERS MUST PROVIDE PAINT FINISH DESCRIBED IN "FRAME FINISH" BELOW. 2.2 FRAME A. MATERIALS 1. ANCHOR BOLTS: SEE DRAWINGS FOR REQUIREMENTS. ANCHOR BOLTS NOT PROVIDED BY MANUFACTURER 2. STRUCTURAL STEEL: SEE DRAWINGS FOR REQUIREMENTS. 3. STRUCTURAL STEEL: SEE DRAWINGS FOR REQUIREMENTS. 3. STRUCTURAL BOLTS: SEE DRAWINGS FOR REQUIREMENTS. B. FINISH 1. FRAME FINISH: POLI-5000 POWDER COAT. NO FIELD PAINTING PERMITTED. A. COMPONENTS SHALL BE CLEANED. PRE-TREATED, AND FINISHED AT A FACILITY OWNED AND DIRECTLY SUPERVISED BY THE MANUFACTURER. B. COMPONENTS SHALL BE SHOT BLASTED TO SSPC-SP10 ERA-WHITE BLAST CLEANING. SSPC-SP2 HAND TOOL CLEANING WILL NOT BE AD ACCEPTABLE ALTERNATIVE. C. COMPONENTS SHALL BE SHOT BLASTED TO SSPC-SP10 ERA-WHITE BLAST CLEANING. SSPC-SP2 HAND TOOL CLEANING WILL NOT BE FOX YRIMER COAT FOR SUPERIOR CORROSION PROTECTION. E. COMPONENTS SHALL BE CREVE TOP COAT OF SUPER DURABLE GIC POWDER COAT. F. INISH SHALL NOT HAVE ANY VOC EMISSIONS. G. MANUFACTURER SHALL BE ABLE TO PRODUCE DOCUMENTATION STATING SAMPLE PRODUCTION COMPONENTS HAVE BEEN TESTED TO MEET THE FOLLOWING: I. SALT SPRAY RESISTANCE PER ASTM G154-04 TO 2,000 HOURS WITH NO CREEP FROM SCRIBE LINE AND RATING OF 10. II. COUCOR: DETERMINED BY DISTRICT. C. FABRICATION I. FARAY RESISTANCE PER ASTM G154-04 TO 2,000 HOURS WITH NO CREEP FROM SCRIBE LINE AND RATING OF 10. II. COUCOR: DETERMINED BY DISTRICT. C. FABRICATION I. FABRICATE COMPONENTS TO PERMIT BOLTED CONNECTIONS ON SITE. NO FIELD WALDING PERMITTED. 2. AGEL EACH MEMBER WITH UNIQUE PART NUMBER TO STREAMLINE ERECTION. 3. WELDING REQUIREMENTS: SEE DRAWIN	CODE: 2022 CBC A SEPARATE PROJECT A SEPARATE PROJEC
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STEP 11 - IDENTI - INCLU - EXCLU - EXCLU STEP 12 - FILL IN - UNO C STRUC - CONT 1 RAM1.0 2 RAM1.1 3 RAM2.0 4 RAM2.1 5 RAM2.2 6 RAM2.3 7 RAM3.0 8 RAM3.1 9 RAM4.0 10 RAM4.1 TOTAL SHEETS	: SELECT APPLICABLE SHEET INDEX FOR YOUR IFY THE APPLICABLE SHEETS WITH YOUR DSA SUBM JDE APPLICABLE SHEETS WITH YOUR DSA SUBM JDE 'MISC DESIGN OPTIONS' SHEET FOR PROJEC IS MULTIPLE STRUCTURES WITH THE SAME PC# I ROOF LENGTH AND WIDTH OF STRUCTURES A ON THE POLIGON DRAWINGS, POLIGON WILL TURE IS THE SAME TACT POLIGON FOR FURTHER INFORMATION SHEET IN ORDER FORM NOTES AND SPECIAL INSPECTIONS FOUNDATION PLAN SPREAD PAD - RAM 20 FOUNDATION PLAN SPREAD PAD - RAM 30 FOUNDATION PLAN DRILLED PIER - RAM 30 FOUNDATION PLAN DRILLED PIER - RAM 30 FRAMING PLAN - RAM 20 FRAMING PLAN - RAM 20 SECTION DETAILS - RAM 20 SECTION DETAILS - RAM 20 S = 18 VIATIONS:	PROJECT	ELECTRICAL CUTOUTS OR GUTTERS ELECTRICAL CUTOUTS	 6. SUBSTITUTE MANUFACTURERS MUST MEET "MANUFACTURER QUALIFICATIONS" LISTED IN PART 1.0 FHIS SPECIFICATION. 7. SUBSTITUTE MANUFACTURERS MUST PROVIDE PROOF OF "MANUFACTURER ERFITICATIONS" ABOVE BELOW. 2.2 FRAME A. MATERIALS I. ANCHOR BOLTS: SEE DRAWINGS FOR REQUIREMENTS. ANCHOR BOLTS NOT PROVIDED BY MANUFACTURER S. SUBSTITUTE MANUFACTURERS MUST PROVIDE PAINT FINISH DESCRIBED IN "FRAME FINISH" BELOW. 2.2 FRAME A. MATERIALS I. ANCHOR BOLTS: SEE DRAWINGS FOR REQUIREMENTS. B. STRUCTURAL STEEL: SEE DRAWINGS FOR REQUIREMENTS. B. FINISH I. FRAME FINISH: POLI-S000 POWDER COAT. NO FIED PAINTING PERMITTED. A. COMPONENTS SHALL BE STRUCTURER. B. COMPONENTS SHALL BE CHANED, PRE-TREATED, AND FINISHED AT A FACILITY OWNED AND DIRECTLY SUPERVISED BY THE MANUFACTURER. B. COMPONENTS SHALL BE CHANED, PRE-TREATED, AND FINISHED AT A FACILITY OWNED AND DIRECTLY SUPERVISED BY THE MANUFACTURER. B. COMPONENTS SHALL BE CHANED, PRE-TREATED, AND FINISHED AT A FACILITY OWNED AND DIRECTLY SUPERVISED BY THE MANUFACTURER. B. COMPONENTS SHALL BE CHANED ARE TREATED AND FINISHED AT A FACILITY OWNED AND DIRECTLY SUPERVISED BY THE MANUFACTURER. C. COMPONENTS SHALL RECEIVE EPOXY PRIMER COAT FOR SUPERIOR CORROSION PROTECTION. E. COMPONENTS SHALL RECEIVE EPOXY PRIMER COAT FOR SUPERIOR CORROSION PROTECTION. E. COMPONENTS SHALL RECEIVE EPOXY PRIMER COAT FOR SUPERIOR CORROSION PROTECTION. E. COMPONENTS SHALL RECEIVE EPOXY PRIMER COAT FOR SUPERIOR CORROSION PROTECTION. E. COMPONENTS SHALL RECEIVE EPOXY PRIMER COAT FOR SUPERIOR CORROSION PROTECTION. E. COMPONENTS SHALL RECEIVE EPOXY PRIMER COAT FOR SUPERIOR CORROSION PROTECTION. C. CARPONENTS SHALL RECEIVE EPOXY PRIMER COAT FOR SUPERING COARDSION PROTECTION. E. COMPONENTS SHALL RECEIVE EPOXY PRIMER COAT FOR SUPERDURA COAT. SAMUFACTURER SHALL BE ABLE TO PRODUCE DOCUMENTATION STATING SAMPLE PRODUCTION COMPONENTS HAVE PER ASTM D2427-02 TO 5,000 HOURS WITH NO LOSS OF ADHESION OR BUSTERING. II. COLOCRUVY RESISTANCE PER ASTM D2427-02 TO 5,000 HOURS WITH NO LOSS OF ADHES	LHE STATE ARCHITECT 2-121213 PC REVIEWED FOR FLS ⊇ ACS ⊇ CG □ 7/18/2023
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<u>GENERAL:</u>

- 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.
- WORK SHALL CONFORM TO THE REQUIREMENTS, AS AMENDED TO DATE, OF THE LATEST ADOPTED EDITION OF THE 2. CBC, C.A.C. TITLE 24, AND ALL OTHER LOCAL, STATE AND FEDERAL REGULATIONS.
- 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.
- 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.
- 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.
- ASTM DESIGNATIONS AND ALL STANDARDS REFER TO THE LATEST AMENDMENTS.
- 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.
- 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.
- 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 REQUIRMENTS.
- 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 ENGINEEER IS NEEDED TO VALIDATE THE ALLOWABLE SOIL VALUES SPECIFIED IN THE PC ARE STILL APPLICABLE.

STRUCTURAL AND MISCELLANEOUS STEEL:

- ALL STRUCTURAL STEEL SHALL BE DETAILED, FABRICATED AND ERECTED IN ACCORDANCE WITH THE AMERICAN INSTITUTE OF STEEL CONSTRUCTION (AISC) 360 - 16 AND 303-16 MANUAL REFERENCED BY THE 2022 EDITION OF THE CALIFORNIA BUILDING CODE.
- PIPE SECTIONS SHALL CONFORM TO ASTM A53, Fy = 35 ksi, GRADE B UNLESS NOTED OTHERWISE
- STRUCTURAL TUBING (HSS SHAPES) SHALL CONFORM TO ASTM A500, GRADE B (OR HIGHER), Fy = 46 KSI. IF MATERIAL AVAILABILITY IS LIMITED, MEMBER THICKNESSES CAN BE INCREASED BEYOND WHAT IS SHOWN IN THESE DRAWINGS (MAXIMUM INCREASE OF 1/8").
- 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.
- 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:

- 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.
- 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 @ (O° F). ALL WELDING SHALL BE DONE IN THE SHOP WITH REQUIRED INSPECTION, PRE-APPROVED BY DSA, TO ENSURE
- PROPER MATERIAL ID AND WELDING.
- WELD FILLER METAL MANUFACTURER SHALL PROVIDE WRITTEN CERTIFICATION OF COMPLIANCE WITH CODE AND SPECIFICATIONS.

<u>BOLTING:</u>

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.

- HIGH STRENGTH BOLTS SHALL BE SAMPLED AND TESTED IN COMPLANCE WITH CBC 2213A.1.
- BEFORE ERECTING 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
- 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.
- HIGH STRENGTH NUTS SHALL CONFORM TO ASTM A563 AND SHALL BE GALVANIZED PER ASTM F2329.
- HIGH STRENGTH WASHERS SHALL CONFORM TO ASTM F436 AND SHALL BE GALVANIZED PER ASTM F2329.
- 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 J7; 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 PRENTENSIONING
 - 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:

- D1557. FLOODING NOT PERMITTED.

- FROM THE FACE OF THE FOOTING TO THE TOP OF THE SLOPE
 - REQUIRED.

CONCRETE:

REVIEW.

1.	. MIX DESIGN REQUIREMENTS: (NORMAL WEIGHT CONCRETE)							
	MINIMUM STRENGTH f'c	EXPOSURE CATEGORY	W/C RATIO	SLUMP	UNIT WEIGHT			
	(28 DAYS)		MAXIMUM)	(± 1")	(NORMAL WEIGHT)			
	5000 PSI	F3, S3, W2, C2	0.4	4"	150 PCF			
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- 3. AGGREGATES SHALL CONFORM TO ASTM C33. MAX AGGREGATE SIZE = 1".
- RESISTANCE.
- ADMIXTURES CONTAINING CALCIUM CHLORIDE ARE PROHIBITED.

- 8. CONCRETE SHALL NOT FREE FALL MORE THAN FIVE FEET.
- 9. CONCRETE SHALL BE PROPORTIONED PER ACI 318-19 26.4

CBC 1705A.3.3.1. REINFORCING STEEL:

- (DEFORMATIONS SHALL BE IN ACCORDANCE WITH ASTM A305) AS FOLLOWS: GR 60: (#4 BARS AND LARGER) GR 40: (#3 BARS)
- STANDARD PRACTICE FOR DETAILING REINFORCING CONCRETE STRUCTURES.
- MIN. COVER FOR CAST-IN-PLACE CONCRETE SHALL BE AS FOLLOWS:
 - A. CAST AGAINST EARTH... CAST AGAINST FORM BELOW
 - FORMED SLARS (#11 BAR & SM SLABS ON GRADE (FROM TOP
- COLUMNS AND BEAMS (MAIN WALLS EXPOSED TO WEATHER (
 - G. NOT EXPOSED TO WEATHER (

- SPLICES MUST COMPLY WITH ACI 318-19.
- 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:

- 3. PARTS PRETREATED IN A 3 STAGE IRON PHOSPHATE WASHER (OR EQUAL).
- 5.
- CUSTOM COLOR). 6.
 - A. SALT SPRAY RESISTANCE PER ASTM B 117/ ASTM D 1654
 - B. HUMIDITY RESISTANCE PER ASTM D2247-02 C. COLOR/UV RESISTANCE PER ASTM G154-04

EXPOSURE

- CONSTRUCTION NOTES
- IR A-6.
- PART 1, TITLE 24, CCR.
- ALL THE REQUIRED TEST AND INSPECTIONS FOR THE PROJECT.
- NOTICE OF DISCLAIMER FOR STRUCTURAL ENGINEER RESPONIBILITY
- CHARGE.
- AND SPECIFICATIONS FOR THE STRUCTURES OF THIS PC ONLY.
- RESPONSIBILITY FOR THE SITE-SPECIFIC PROJECT.

ALLOWABLE SOIL PRESSURES ASSUME CLASS 5 SOIL CLASSIFICATION PER 2022 CBC TABLE 1806A. 2

FILL AND BACKFILL SHALL BE COMPACTED TO 95% OF MAX. DENSITY IN ACCORDANCE WITH ASTM TEST METHOD

THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL SHORING, ETC. NECCESSARY TO SUPPORT CUT AND/OR FILL BANKS DURING EXCAVATION, AND FORMING AND PLACEMENT OF CONCRETE.

STRUCTURES SHALL BE SETBACK FROM ADAJCENT SLOPES TO PROVIDE FIRM MATERIAL FOR EMBEDMENT AND FOR PROTECTION FROM SLOPE DRAINAGE, EROSION, AND SHALLOW 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 DECENDING SLOPE: THE SMALLER OF A THIRD OF THE HEIGHT OF THE SLOPE AND 40 FT MEASURED

ALTERNATE SETBACKS ARE PERMITTED, SUBJECT FOR APPROVAL. A GEOTECHNICAL INVESTIGATION MAY BE

STRUCTURES PLACED ON LIQUIFIABLE SOILS OR SITE CLASS F MAY NOT BE SUBMITTED FOR AN OVER THE COUNTER

CHANGES TO THE MIX DESIGN MUST BE APPROVED BY THE ENGINEER OR ARCHITECT OF RECORD AND DSA

CEMENT SHALL CONFORM TO ASTM C150 (TYPE V) WITH A MAXIMUM EXPANSION OF 0.040%, FOR SULFATE

CONCRETE EXPOSED TO FREEZING-AND-THAWING CYCLES SHALL BE AIR ENTRAINED PER ACI 318-19 SECTION 19.3.3. 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.

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

REINFORCING STEEL SHALL BE DEFORMED STEEL CONFORMING TO THE REQUIREMENTS OF ASTM A615,

DETAILING, FABRICATION, AND ERECTION OF REINFORCING BARS SHALL CONFORM TO THE ACI "MANUAL OF

GRADE	2" 2" /2
(#5 & SMALLER) 11 (#11 & SMALLER)	

BARS SHALL BE CLEAN OF RUST, GREASE OR OTHER MATERIAL LIKELY TO IMPAIR BOND. BENDS SHALL BE MADE

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

PRIOR TO PLACING OF CONCRETE, REINFORCING STEEL AND EMBEDDED ITEMS SHALL BE WELL SECURED IN

1. ENTIRE POWDER COATING PROCESS COMPLETED IN SAME FACILITY AS STEEL FABRICATION.

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).

4. EPOXY PRIMER POWDER COAT APPLIED TO PARTS FOR SUPERIOR CORROSION PROTECTION. TOP POWDER COAT OF SUPER DURABLE TGIC (COLOR SELECTED FROM MANUFACTURER'S STANDARD OPTIONS OR

SAMPLE PRODUCTION PARTS TESTED TO MEET THE FOLLOWING CRITERIA:

10000 HOURS WITH NO CREEP FROM SCRIBE LINE AND RATING OF 10

5000 HOURS WITH NO LOSS OF ADHESION OR BLISTERING

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

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 REQURIED BY SECTION 4-338, PART 1, TITLE 24 CCR AND DSA

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,

4. A DSA ACCEPTED TESTING LABORATORY DIRECTLY EMPLOYED BY THE OWNER (E.G. DISTRICT, ETC.) SHALL CONDUCT

1. FOR THE SITE-SPECIFIC PROJECT, NEITHER POLIGON OR GHD ARE THE DESIGN PROFESSIONAL IN GENERAL RESPONSIBLE

2. FOR THE SITE-SPECIFIC PROJECT, GHD AND POLIGON'S RESPONSIBILITY IS LIMITED TO THE PREPARATION OF THE PLANS

3. STRUCTURAL OBSERVATION OF CONSTRUCTION IS SPECIFICALLY EXCLUDED FROM GHD AND POLIGON'S

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. POLIGON 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

- 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.
- AS PART OF A SITE-SPECIFIC (OR STOCKPILE) PROJECT SO THEY WILL NOT CONFLICT WITH THE OFFICIAL FORM DSA-103 FOR THE PROJECT.

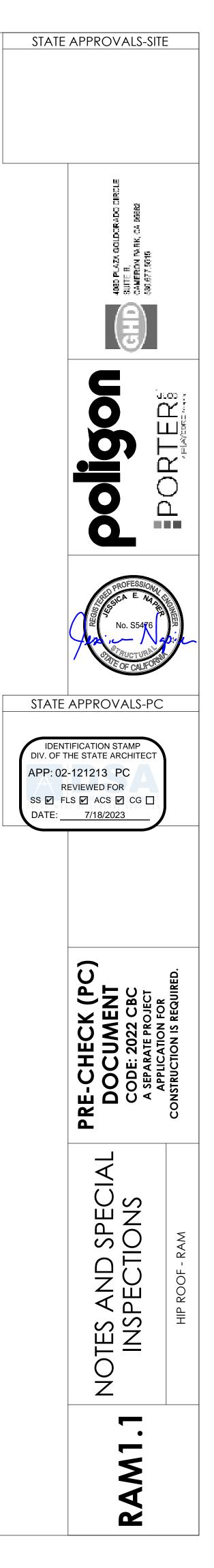
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	O COLUMNS		
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		SI – Indicates that	the spec
	S1. GENERAL:		True e
	a. Verify that:		Type See N
	Site has been prepared properly prior controlled fill and/or excavations for fou	ndations.	
	Foundation excavations are extended have reached proper material.		
	• Materials below footings are adequate design bearing capacity.	to achieve the	
	S2. SOIL COMPACTION AND FILL:		
	Test or Special Inspection a. Verify use of proper materials, densi	ties and inspect lift	Type Contin
	thicknesses, placement and compaction of fill.	-	
	b. Compaction testing.		Те
	S4. CAST-IN-PLACE DEEP FOUNDAT	TIONS (PIERS):	
V	Test or Special Inspection a. Inspect drilling operations and maint	ain complete and	Type Contin
	accurate records for each pier.		
	b. Verify pier locations, diameters, plur Becord concrete or grout volumes	mbness, and lengths.	Contin
	Record concrete or grout volumes.		Dest
	c. Concrete piers.		Provide t
	C1. CAST-IN-PLACE CONCRETE Test or Special Inspection		Туре
V	a. Verify use of required design mix.		Perio
	b. Identifiy, sample, and test reinforcing	g steel.	Te
\checkmark	c. During concrete placement, fabricate strength tests, perform slump and air c	•	Tes
V	determine the temperature of the concr d. Test concrete (f_c).	ete.	Te
V	e. Batch plan inspection:		See N
	S/A1. STRUCTURAL STEEL, COLD-F		
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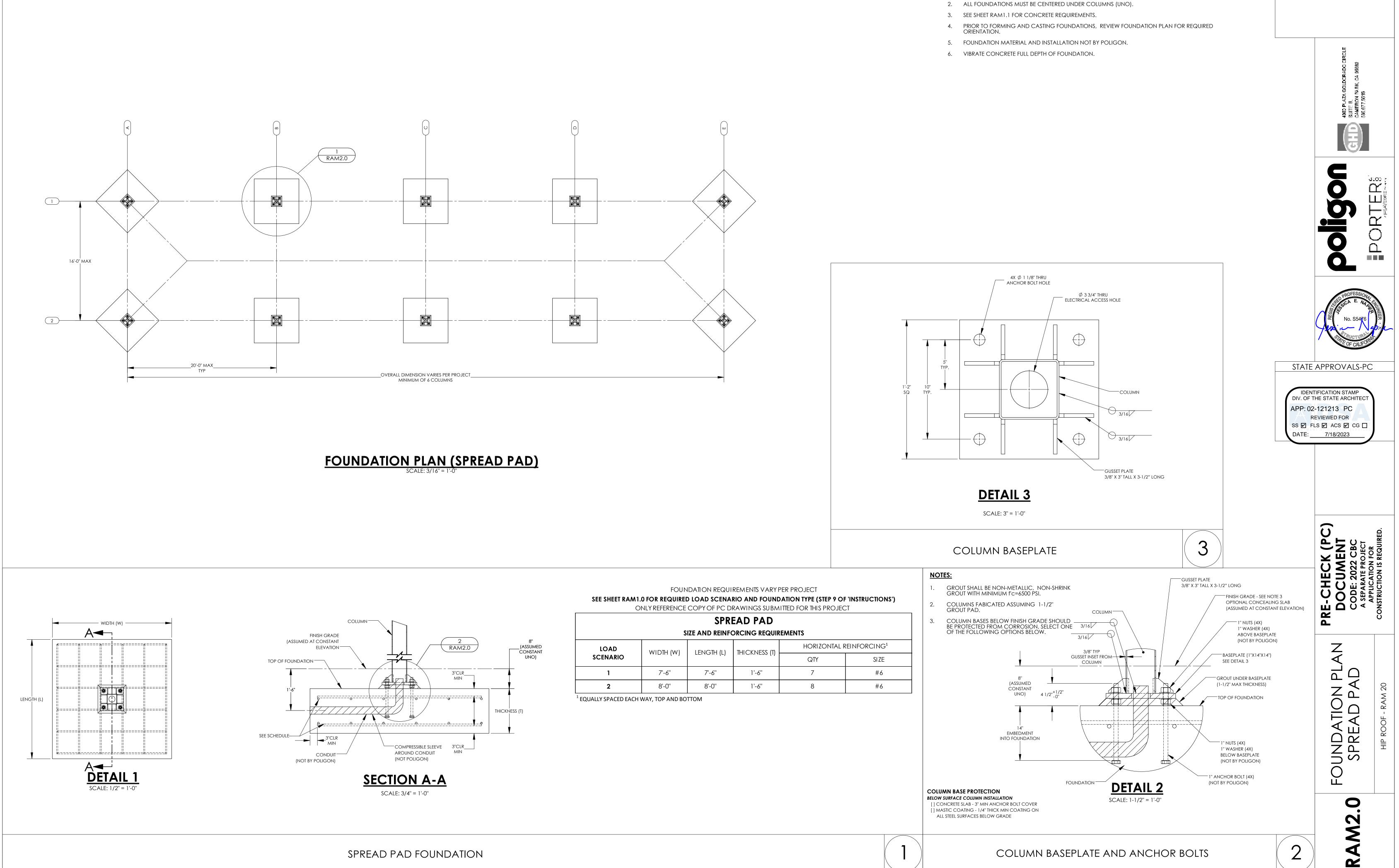
DSA 292

1. THE PROJECT INSPECTOR AND TESTING AGENCY SHALL BE SELECTED BY THE SCHOOL DISTRICT AND APPROVED BY DSA AND THE ARCHITECT OF RECORD.

ON APPROVED PC DRAWINGS, THE STATEMENT OF STRUCTURAL TESTS AND SPECIAL INSPECTIONS (FORM DSA-103) BELOWIS ONLY AN EXAMPLE. ON APPROVED PC DRAWINGS, THE EXAMPLE FORM DSA-103 MUST BE CROSSED OUT BEFORE THE PC DRAWINGS CAN BE APPROVED

DSA 103-22: LISTING OF STRUCTURAL TESTS & SPECIAL INSPECTIONS, 2022 CBC									
· · ·	ition Number: e Number:	School Nan			School District: 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	KEY TO COLUMNS								
Continuc inspection Periodic inspection	1. TYPE 2. PERFORMED BY Continuous – Indicates that a continuous special nspection is required GE – Indicates that the special inspection shall be performed by a registered geotechnical engineer or his or her authorized representative. Periodic – Indicates that a periodic special nspection is required GE – 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. Periodic – Indicates that a test is required 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 a. Verify that:		Type See Notes	Performed By PI	Code References and Notes Refer to specific items identified in the Appendix listing				
	 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. 				exemptions for limitations. 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 a. Verify use of proper materials, densities	s and inspect lift	Type Continuous	Performed By LOR*	Code References and Notes * Under the supervision of a geotechnical engineer or LOR's				
V	thicknesses, placement and compaction of fill. b. Compaction testing.	•	Test	LOR*	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 FOUNDATIO Test or Special Inspection	NS (PIERS):	Туре	Performed By	Code References and Notes				
	 a. Inspect drilling operations and maintain accurate records for each pier. 	complete and	Continuous	PI	Continuous inspection to be provided by project inspector. Refer to specific items identified in the Appendix listing exemptions for limitations.				
	b. Verify pier locations, diameters, plumb Record concrete or grout volumes.	ness, and lengths.	Continuous	PI	Continuous inspection to be provided by project inspector. Refer to specific items identified in the Appendix listing exemptions for limitations.				
	c. Concrete piers.		Provide tests ar	nd inspections per	CONCRETE section below.				
	C1. CAST-IN-PLACE CONCRETE Test or Special Inspection		Туре	Performed By	Code References and Notes				
	 a. Verify use of required design mix. b. Identify, sample, and test reinforcing statements 	eel.	Periodic Test	SI LOR	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.)				
	c. During concrete placement, fabricate sp strength tests, perform slump and air cont determine the temperature of the concrete	ent tests, and	Test	LOR	Table 1705A.3 Item 6; ACI 318-19 Sections 26.5 & 26.12.				
V	d. Test concrete (f_c). e. Batch plan inspection:	·	Test See Notes	LOR SI	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 1705.A.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-FOR	RMED STEEL AND	ALUMINUM US	ED FOR STRUCT	URAL PURPOSES				
	 Test or Special Inspection a. Verify identification of all materials and: Mill certificates indicate material properti with requirements. Material sizes, types and grades comply requirements. 	es that comply	Type Periodic	Performed By *	Code References and NotesTable 1705A.2.1 Item 3a–3c. 2202A.1; AISI S100-20 SectionA3.1 & A3.2, AISI S240-20 Section A3 & A5, AISI S220-20Sections A4 & A6. * By special inspector or qualified technicianwhen performed off-site.				
	 b. Test unidentified materials c. Examine seam welds of HSS shapes 		Test Periodic	LOR	2202A.1. DSA IR 17-3.				
	 d. Verify and document steel fabrication p construction documents. 	er DSA-approved	Periodic	SI	Not applicable to cold-formed steel light-frame construction, except for trusses (1705A.2.4).				
	S/A2. HIGH-STRENGTH BOLTS:								
	Test or Special Inspection a. Verify identification markings and manucertificates of compliance conform to AST specified in the DSA-approved documents	M standards	Type Periodic	Performed By SI	Code References and Notes Table 1705A.2.1 Items 1a & 1b, 2202A.1; AISC 360-16 Section A3.3, J3.1, and N3.2; RCSC 2014 Section 1.5 & 2.1; DSA IR 17- 8 & DSA IR 17-9.				
	 b. Test high-strength bolts, nuts and wash c. Bearing-type ("snug tight") connections 		Test Periodic	LOR	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.				
	d. Pretensioned and slip-critical connection	ons.		SI	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		Туре	Performed By	Code References and Notes				
	a. Verify weld filler material identification markings per AWS designation listed on t documents and the WPS.		Periodic	SI	1705A.2.5, Table 1705A.2.1 Items 4 & 5 ; AWS D1.1 and AWS D1.8 for structural steel; AWS D1.2 for Aluminum; AWS D1.3 for cold-formed steel; AWS D1.4 for reinforcing steel; DSA IR 17- 3.				
	 b. Verify weld filler material manufacturer compliance. c. Verify WPS, welder gualifications and 		Periodic	SI	DSA IR 17-3.				
			Periodic	SI					
	S/A4. SHOP WELDING (IN ADDITION TO Test or Special Inspection		Туре	Performed By	Code References and Notes				
	 a. Inspect groove welds, multi-pass fillet v fillet welds > 5/16", plug and slot welds. b. Inspect single-pass fillet welds ≤ 5/16 deck welds. 		Continuous 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 F	RODS:							
	Test or Special Inspection a. Anchor Bolts and Anchor Rods		Type Test	Performed By LOR	Code References and Notes Sample and test anchor bolts and anchor rods not readily				
Name	of Architect or Engineer in general res	ponsible charge:			identifiable per procedures noted in DSA IR 17-11.				
Name	of Structural Engineer (When structura	I design has beer	ı delegated):						
Signat	Signature of Architect or Structural Engineer: Date:								
Net	• To facilitate DSA electronic mode una	d identification atom	nn application . 5	SA recommand-	against using secured electronic or digital signatures.				
inote	a io iacintate DOA electronic mark-ups an	a roominication star	ייף מטטיויטמנוסח, L		against using secured electronic or digital signatures. DSA STAMP				
1. Soil	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. Sho	Shop Welding Inspection: Laboratory Verified Report Form DSA 291, or, for independently contracting SI, Special Inspection Verified Report Form DSA 292 High-Strength Bolt Installation Inspection: Laboratory Verified Report Form DSA 291, or, for independently contracting SI, Special Inspection Verified Report Form								



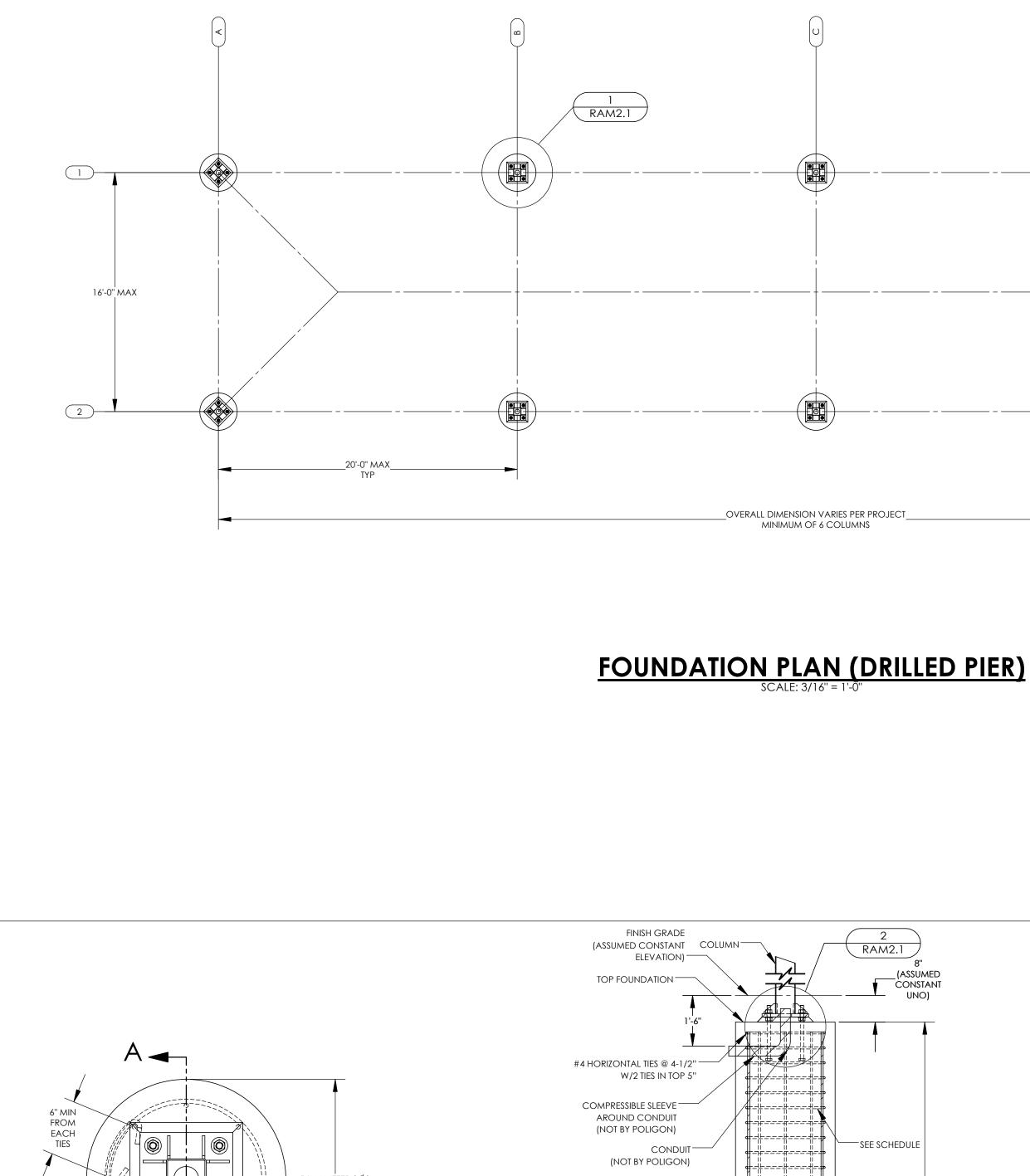


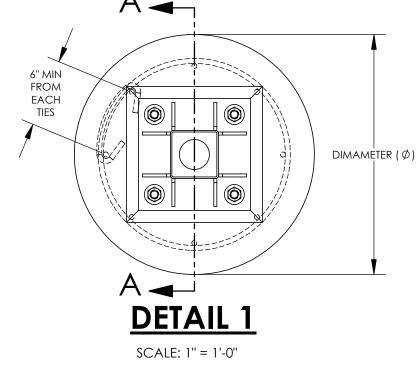
FOUNDATION PLAN NOTES:

- 1. TOP OF ALL FOUNDATIONS MUST BE CONSTRUCTED AT ONE COMMON ELEVATION (COORDINATE WITH SITE PLANS NOT BY POLIGON)

SIZE AND REINFORCING REQUIREMENTS								
LOAD	WIDTH (W)	length (l)	Thickness (t)	HORIZONTAL REINFORCING ¹				
SCENARIO				QTY	SIZE			
1	7'-6''	7'-6''	1'-6''	7	#6			
2	8'-0''	8'-0''	1'-6''	8	#6			







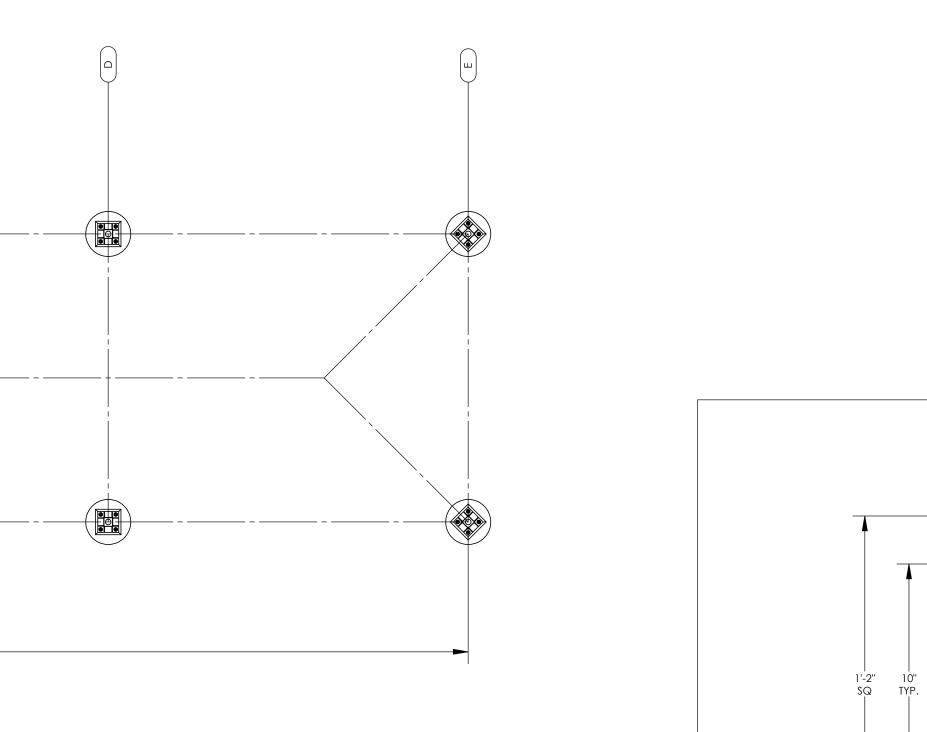
DRILLED PIER FOUNDATION

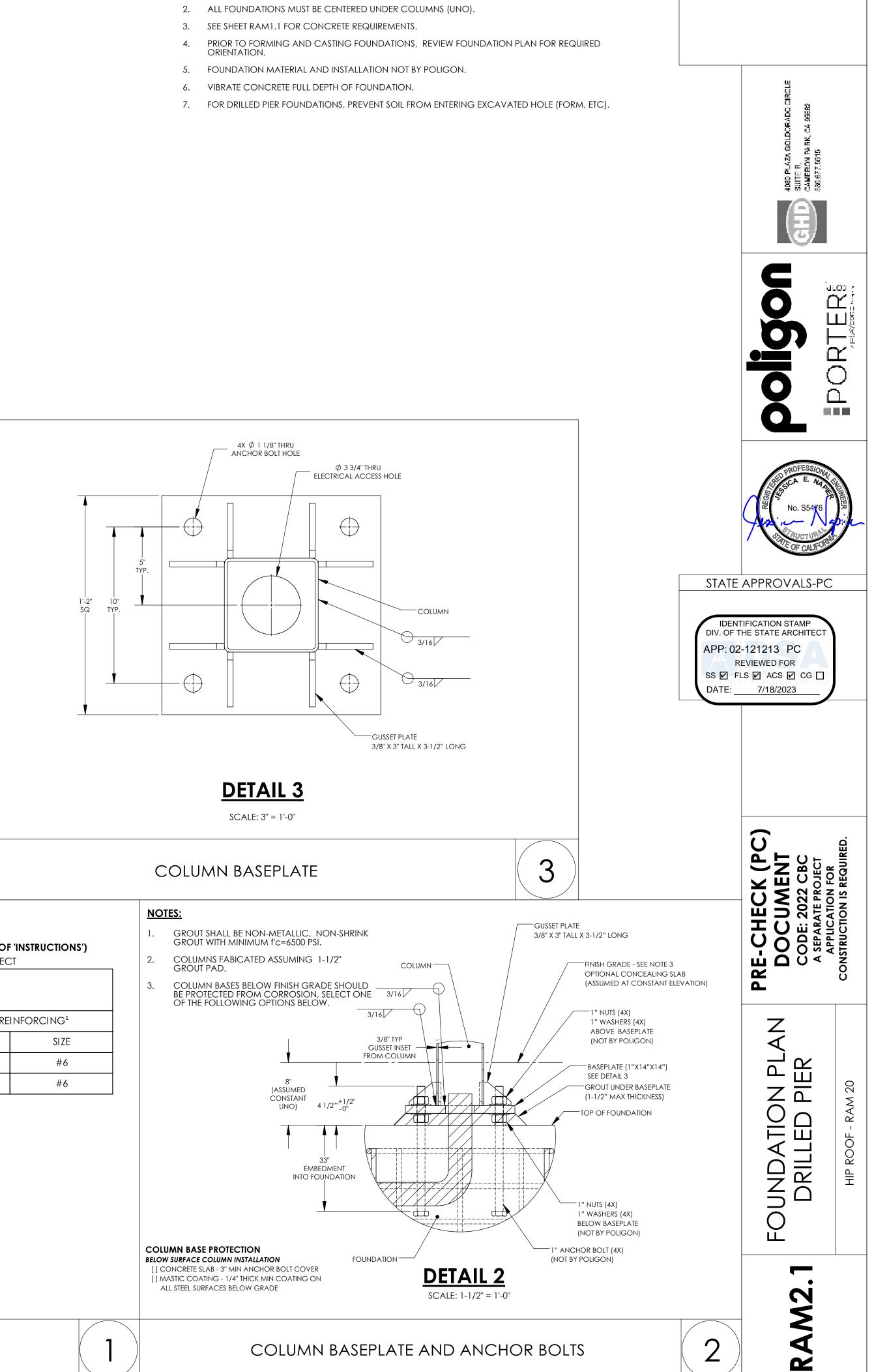
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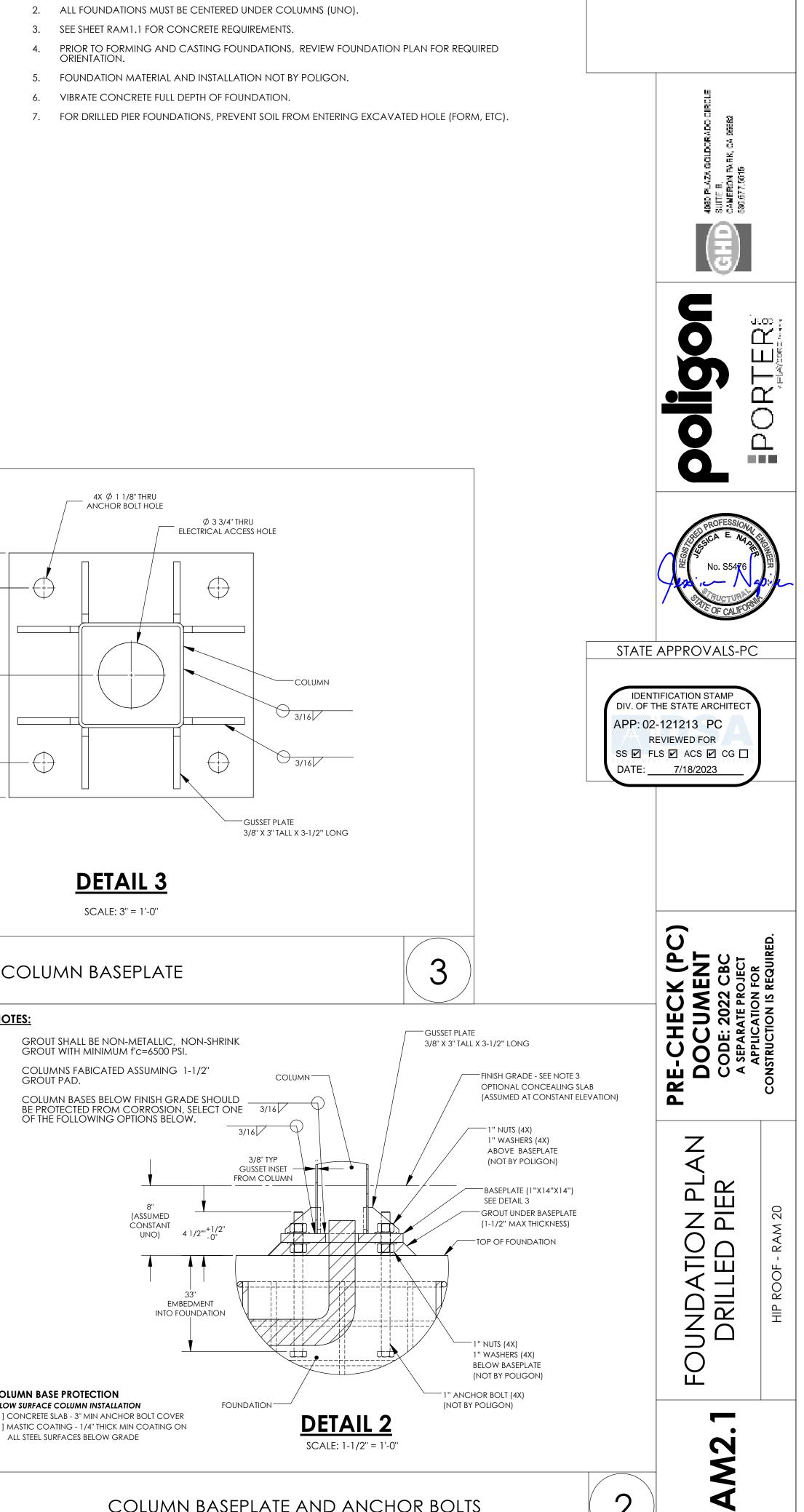
SCALE: 1/2" = 1'-0"

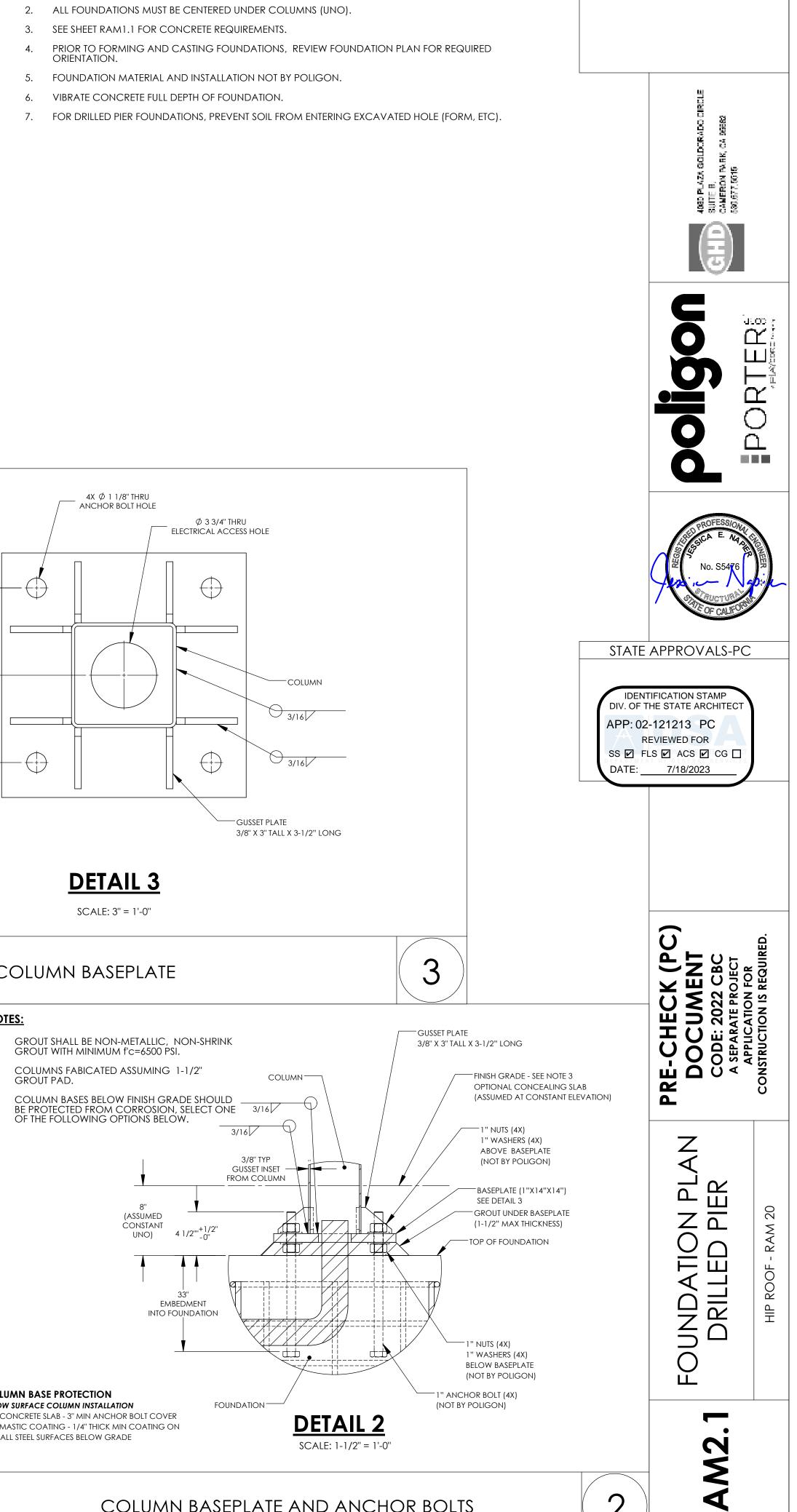
FOUNDATION PLAN NOTES:

- TOP OF ALL FOUNDATIONS MUST BE CONSTRUCTED AT ONE COMMON ELEVATION (COORDINATE WITH SITE PLANS NOT BY POLIGON)









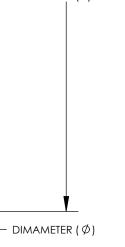




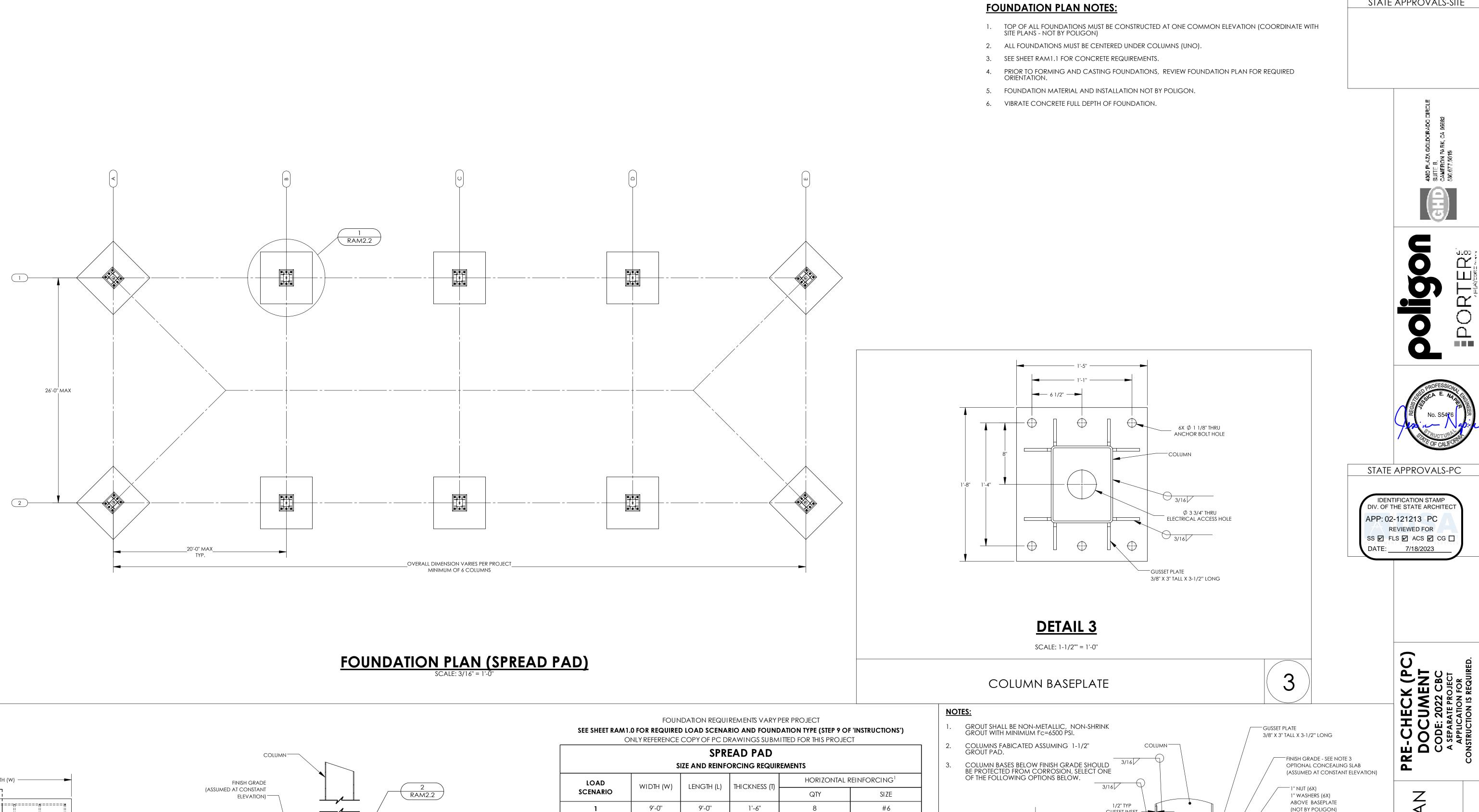
LOAD	diameter (Ø)	Depth (D)	VERTICAL REINFORCING ¹		
SCENARIO			QTY	SIZE	
1	2'-6''	11'-0''	8	#6	
2	2'-6''	11'-6"	8	#6	

¹ EQUALLY SPACED AROUND DRILLED PIER



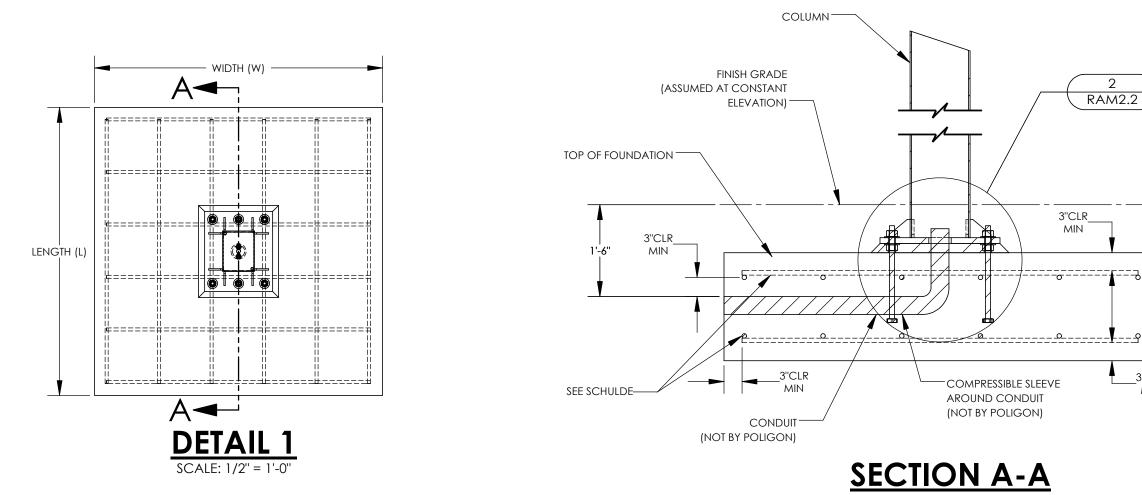


COLUMN BASEPLATE AND ANCHOR BOLTS



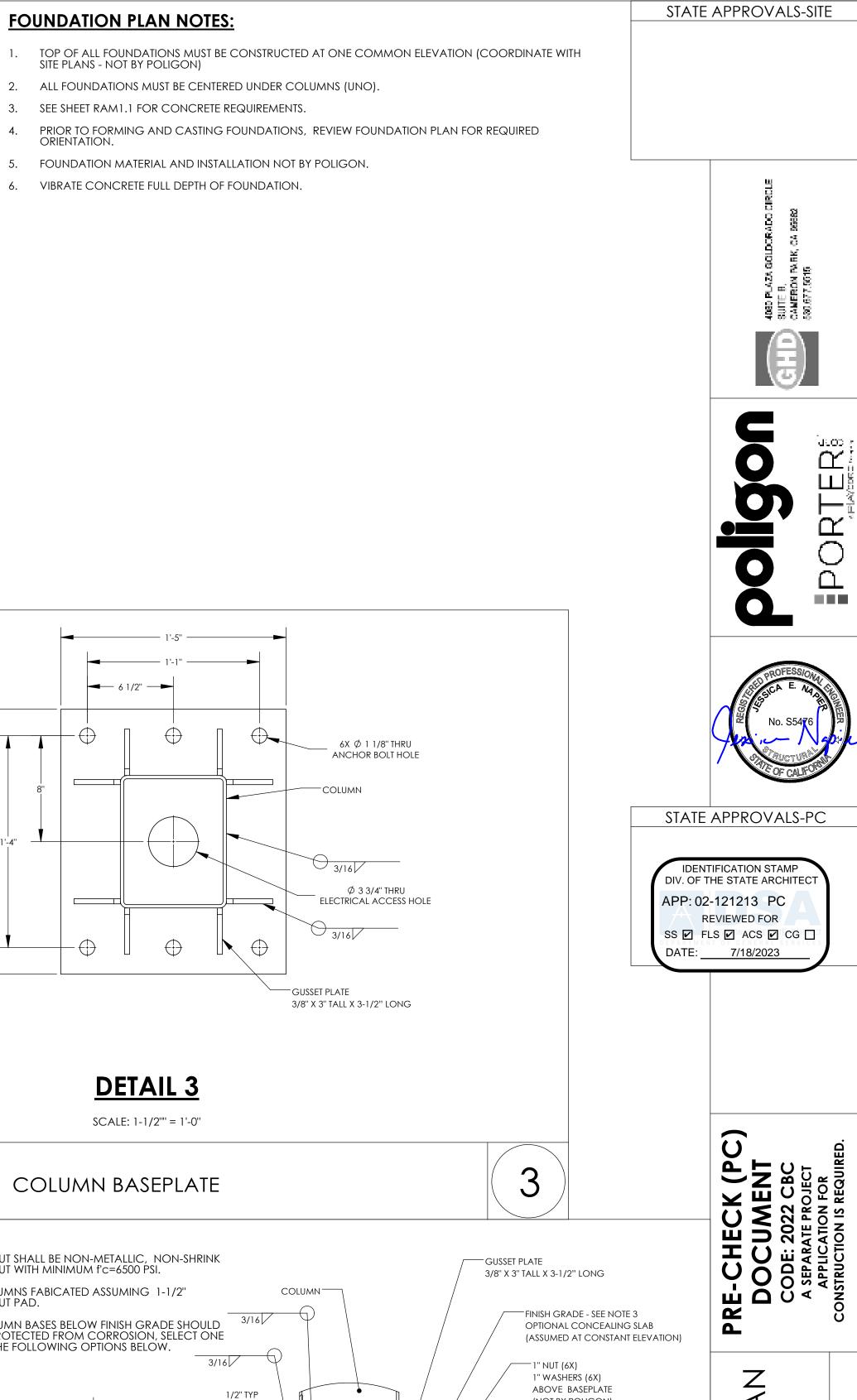
3"CLR

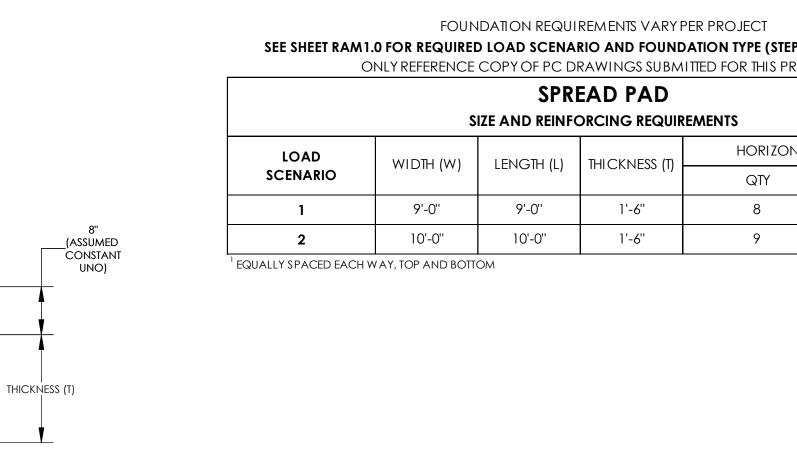
MIN



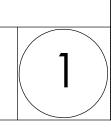
SPREAD PAD FOUNDATION

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

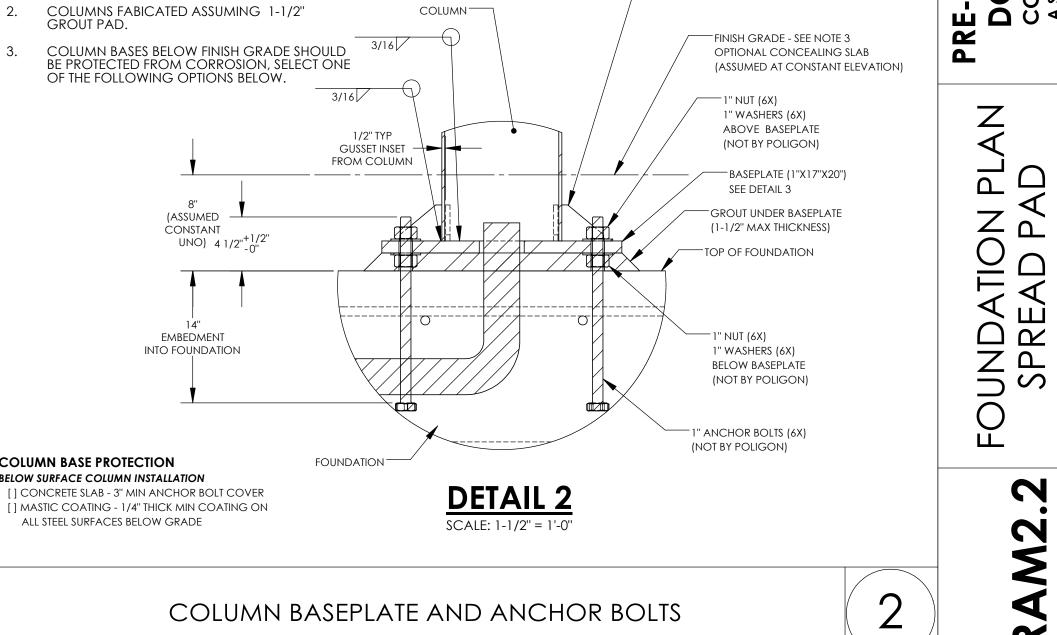




COLUMN BASE PROTECTION BELOW SURFACE COLUMN INSTALLATION



#6



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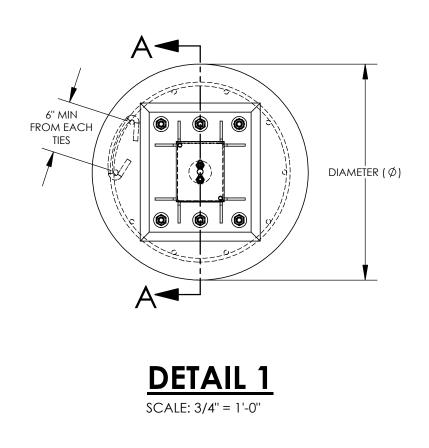
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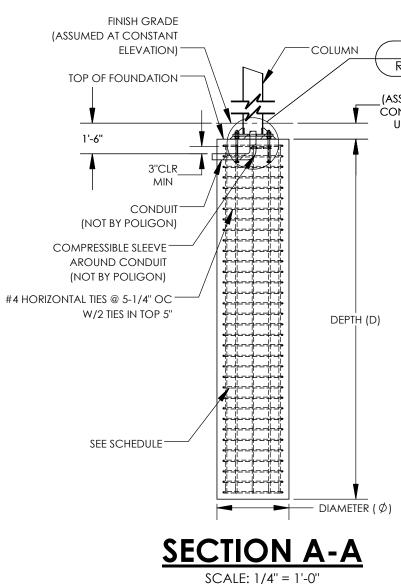
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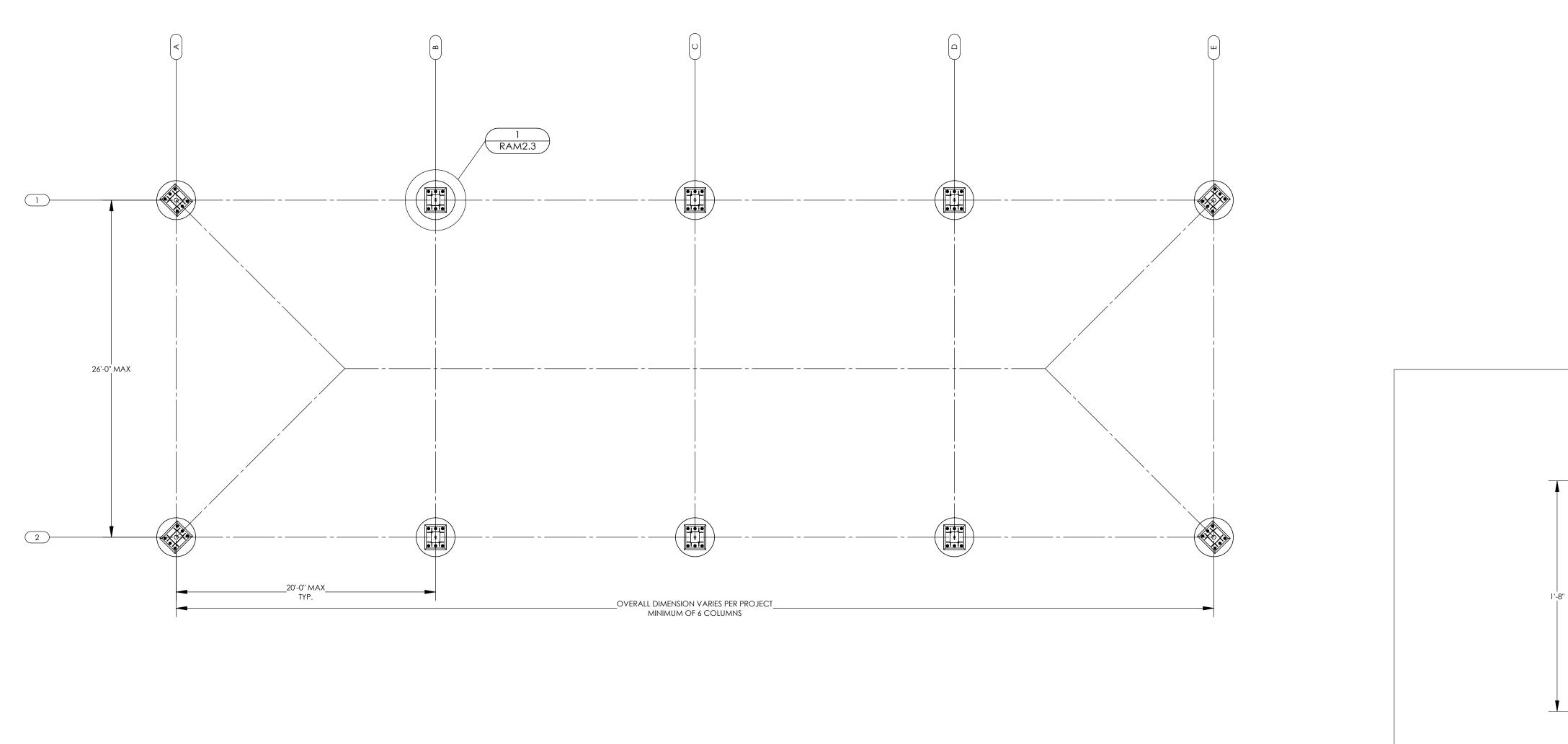
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COLUMN BASEPLATE AND ANCHOR BOLTS





FOUNDATION PLAN (DRILLED PIER) SCALE: 3/16" = 1'-0"





RAM2.3 8" ___(ASSUMED CONSTANT UNO)

FOUNDATION REQUIREMENTS VARY PER PROJECT SEE SHEET RAM1.0 FOR REQUIRED LOAD SCENARIO AND FOUNDATION TYPE (STEP 9 OF 'INSTRUCTIONS') ONLY REFERENCE COPY OF PC DRAWINGS SUBMITTED FOR THIS PROJECT **DRILLED PIER**

SIZE AND REINFORCING REQUIREMENTS

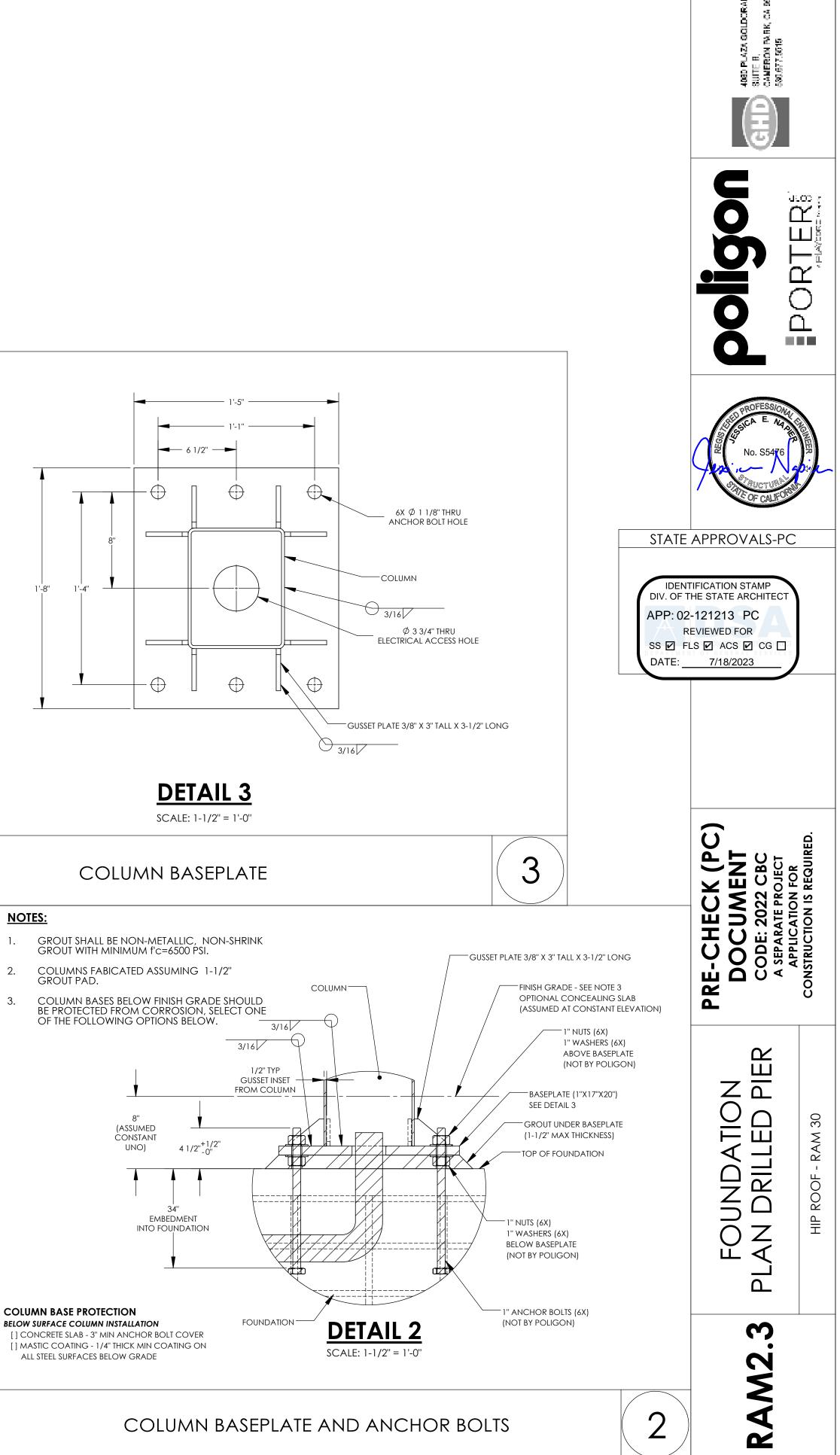
SIZE AND REINFORCING REQUIREMENTS							
LOAD	diameter (Ø)	DEPTH (D)	VERTICAL REINFORCING ¹				
SCENARIO			QTY	SIZE			
1	3'-0''	13'-0''	10	#7			
2	3'-0''	15'-0''	10	#7			

¹ EQUALLY SPACED AROUND DRILLED PIER

NOTES:

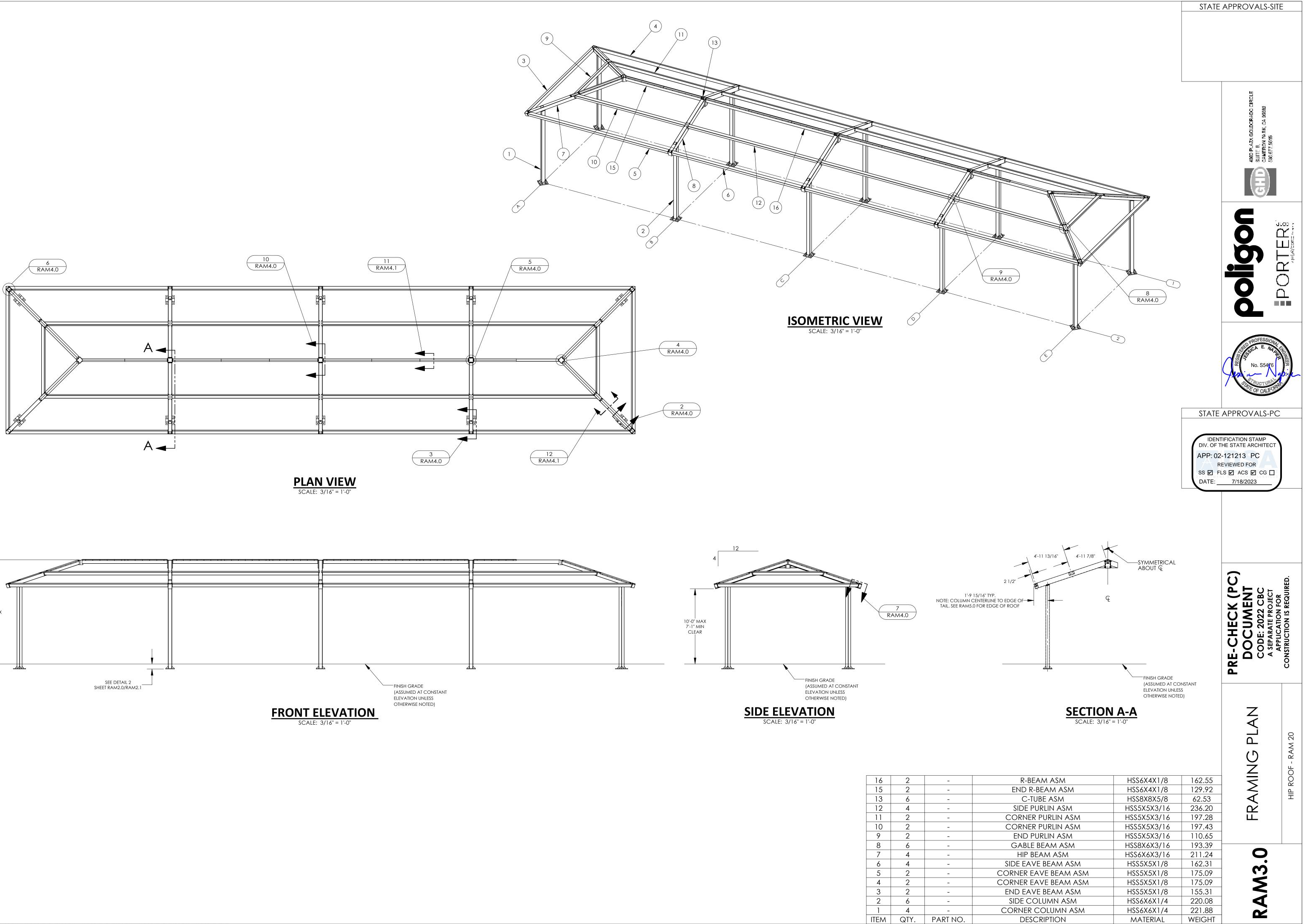
COLUMN BASE PROTECTION

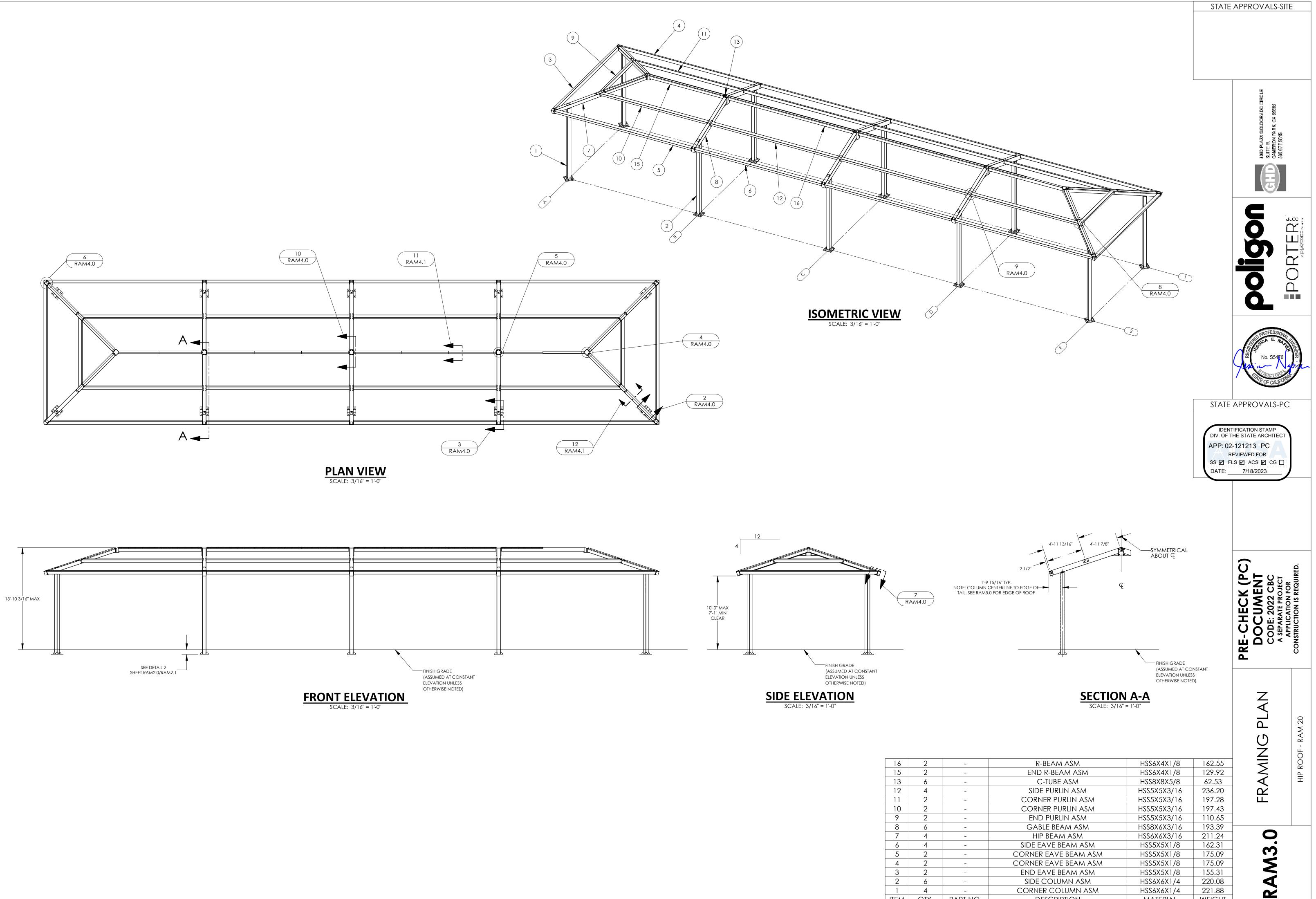


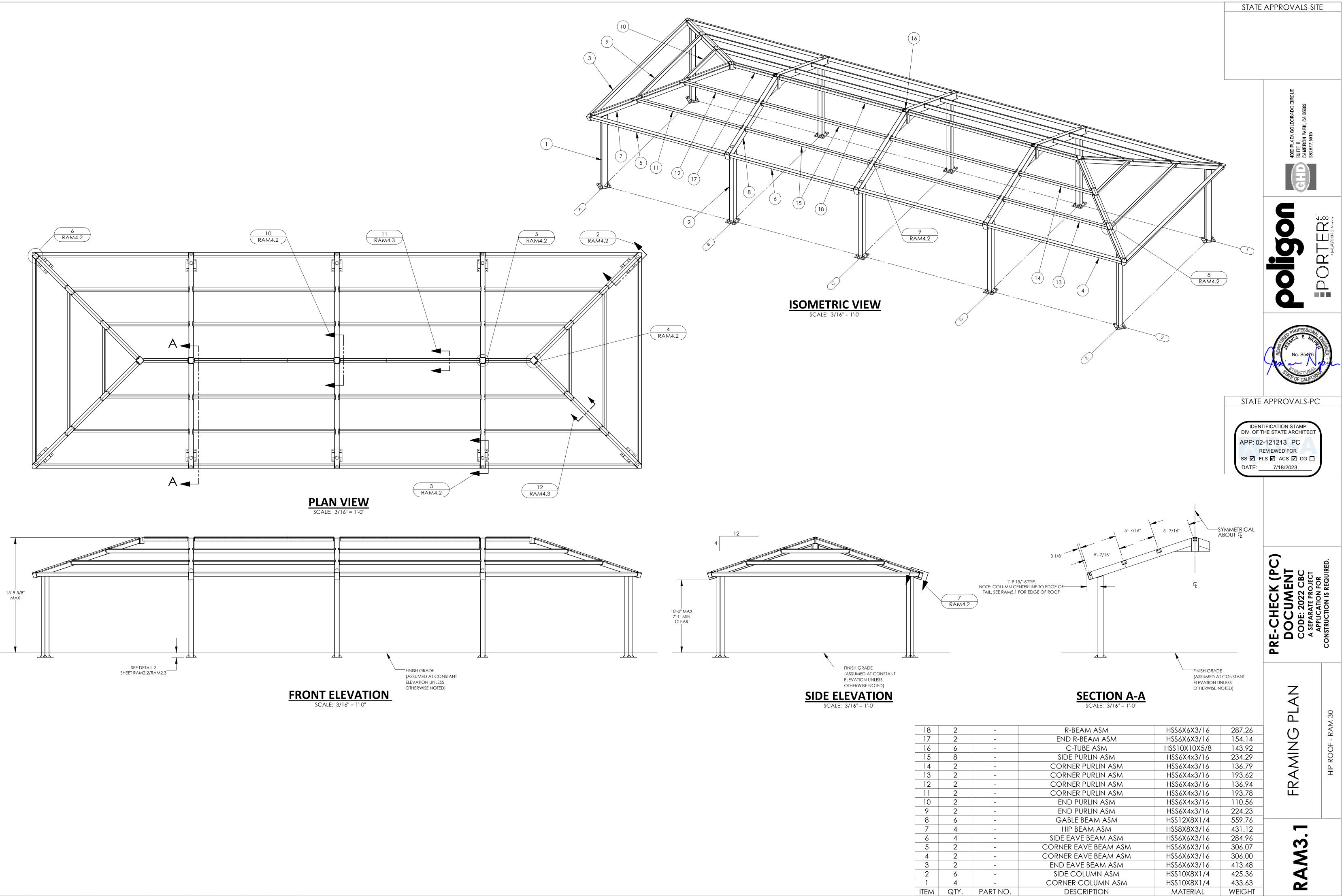


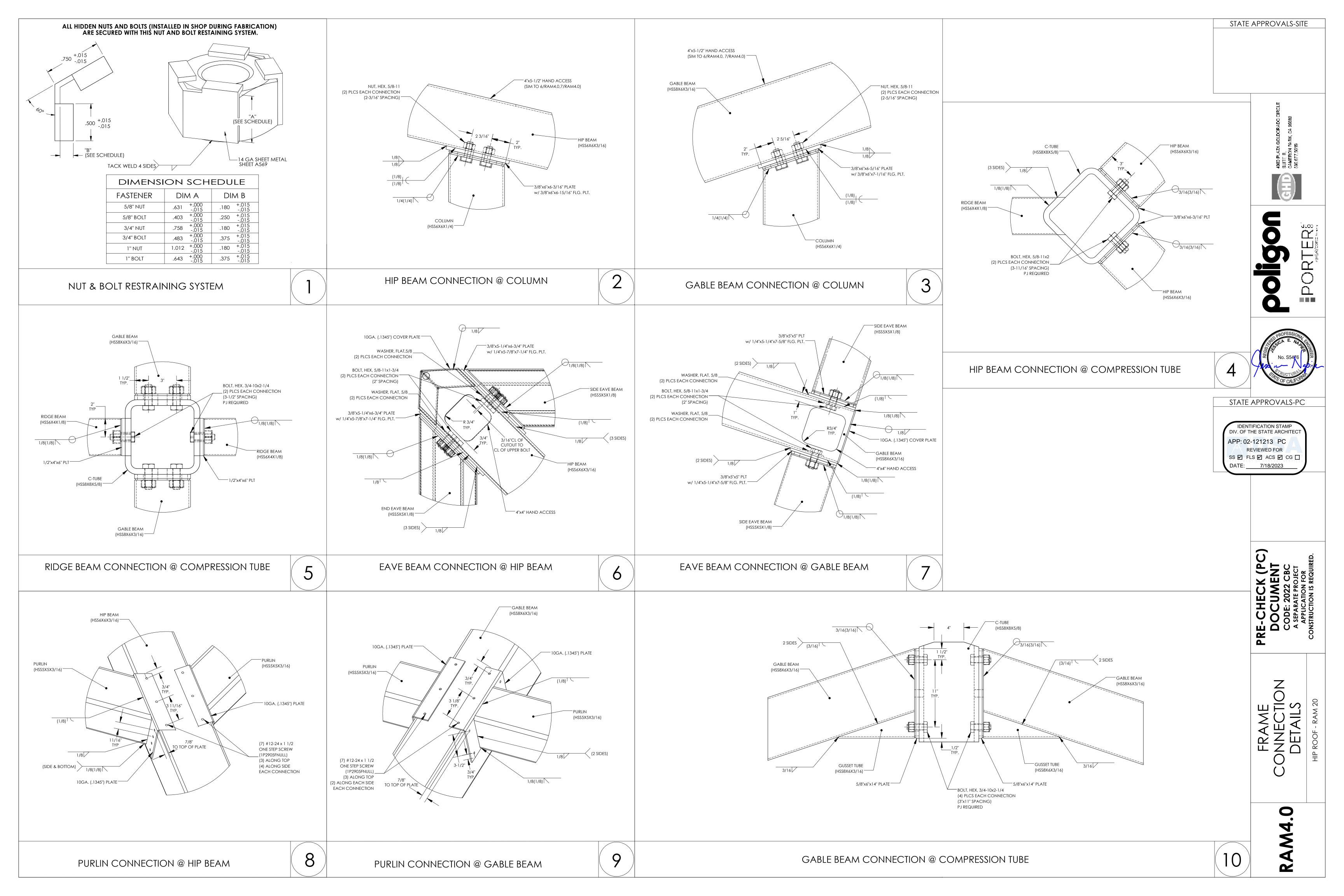
FOUNDATION PLAN NOTES:

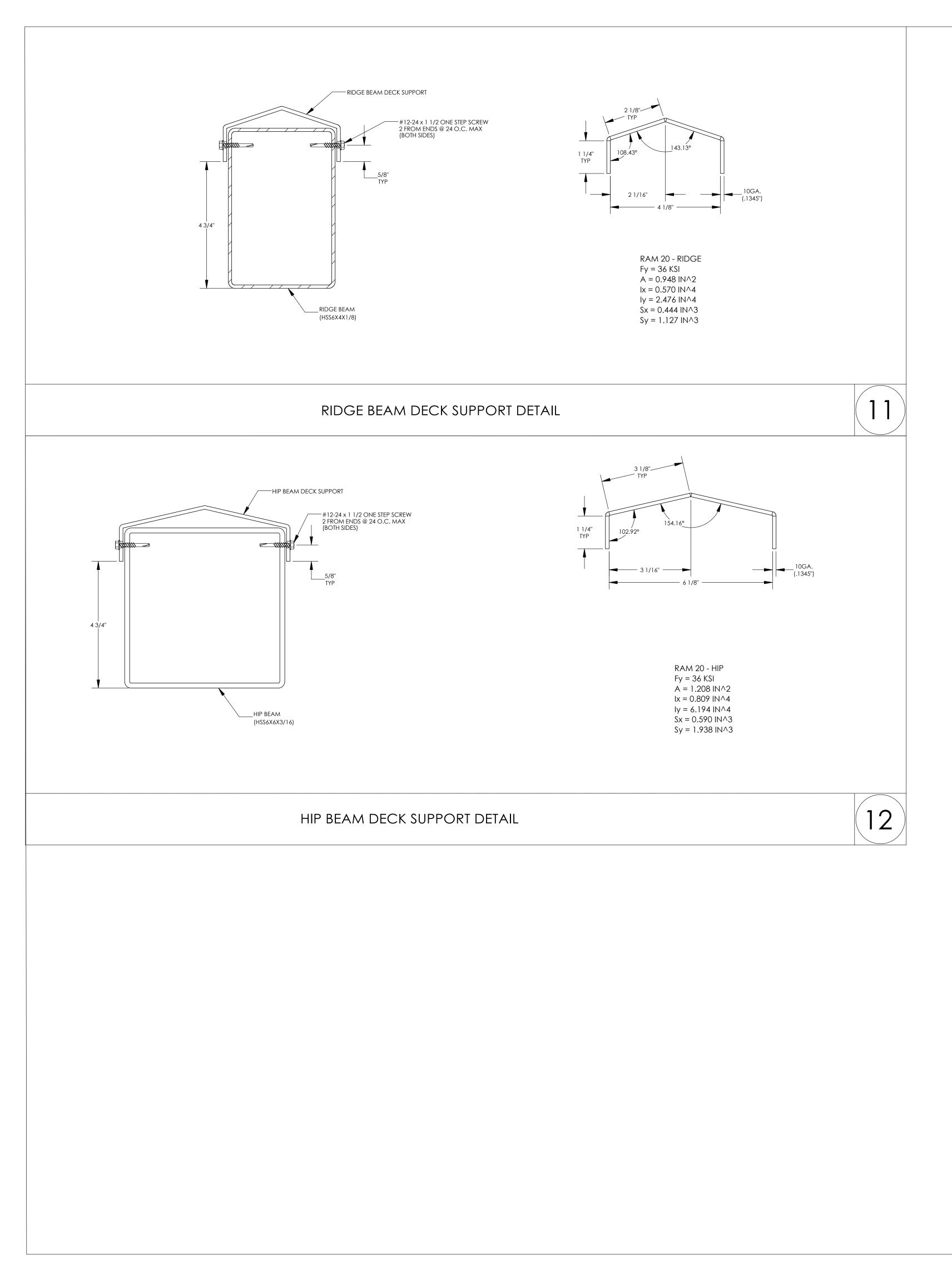
- 1. TOP OF ALL FOUNDATIONS MUST BE CONSTRUCTED AT ONE COMMON ELEVATION (COORDINATE WITH SITE PLANS NOT BY POLIGON)
- 2. ALL FOUNDATIONS MUST BE CENTERED UNDER COLUMNS (UNO).
- 3. SEE SHEET RAM1.1 FOR CONCRETE REQUIREMENTS.
- PRIOR TO FORMING AND CASTING FOUNDATIONS, REVIEW FOUNDATION PLAN FOR REQUIRED 4. ORIENTATION.
- 5. FOUNDATION MATERIAL AND INSTALLATION NOT BY POLIGON.
- VIBRATE CONCRETE FULL DEPTH OF FOUNDATION. 6.
- 7. FOR DRILLED PIER FOUNDATIONS, PREVENT SOIL FROM ENTERING EXCAVATED HOLE (FORM, ETC).

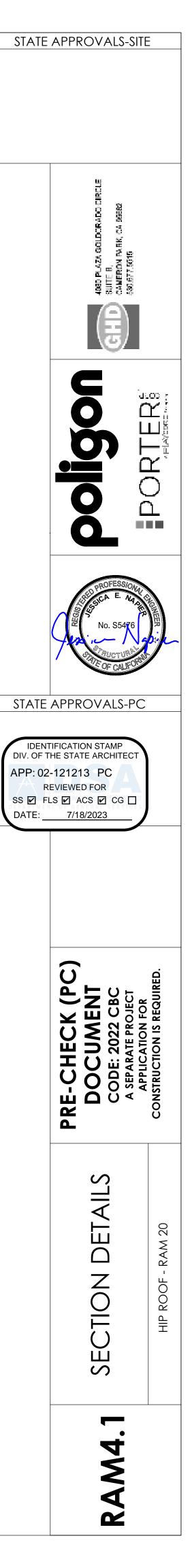


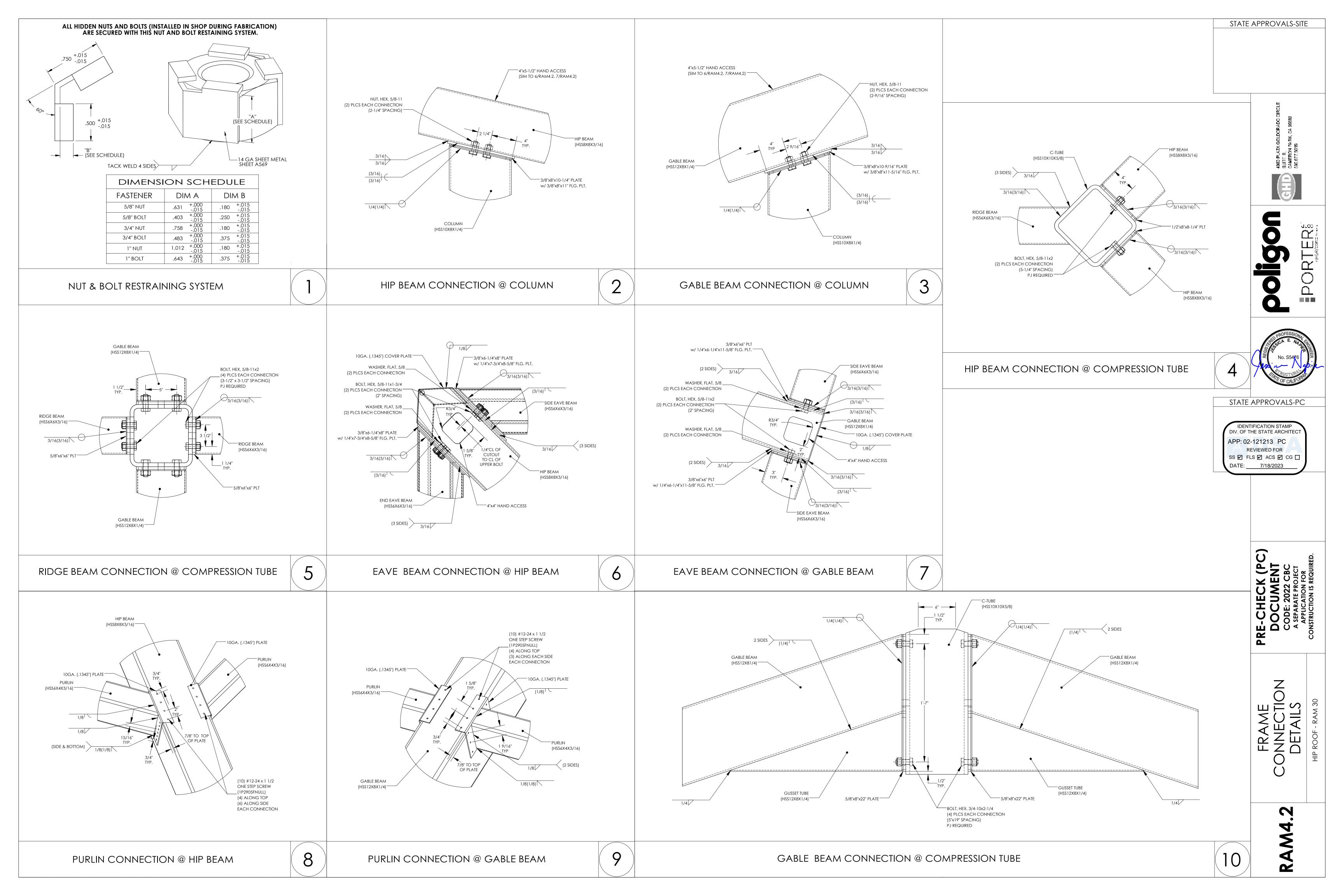


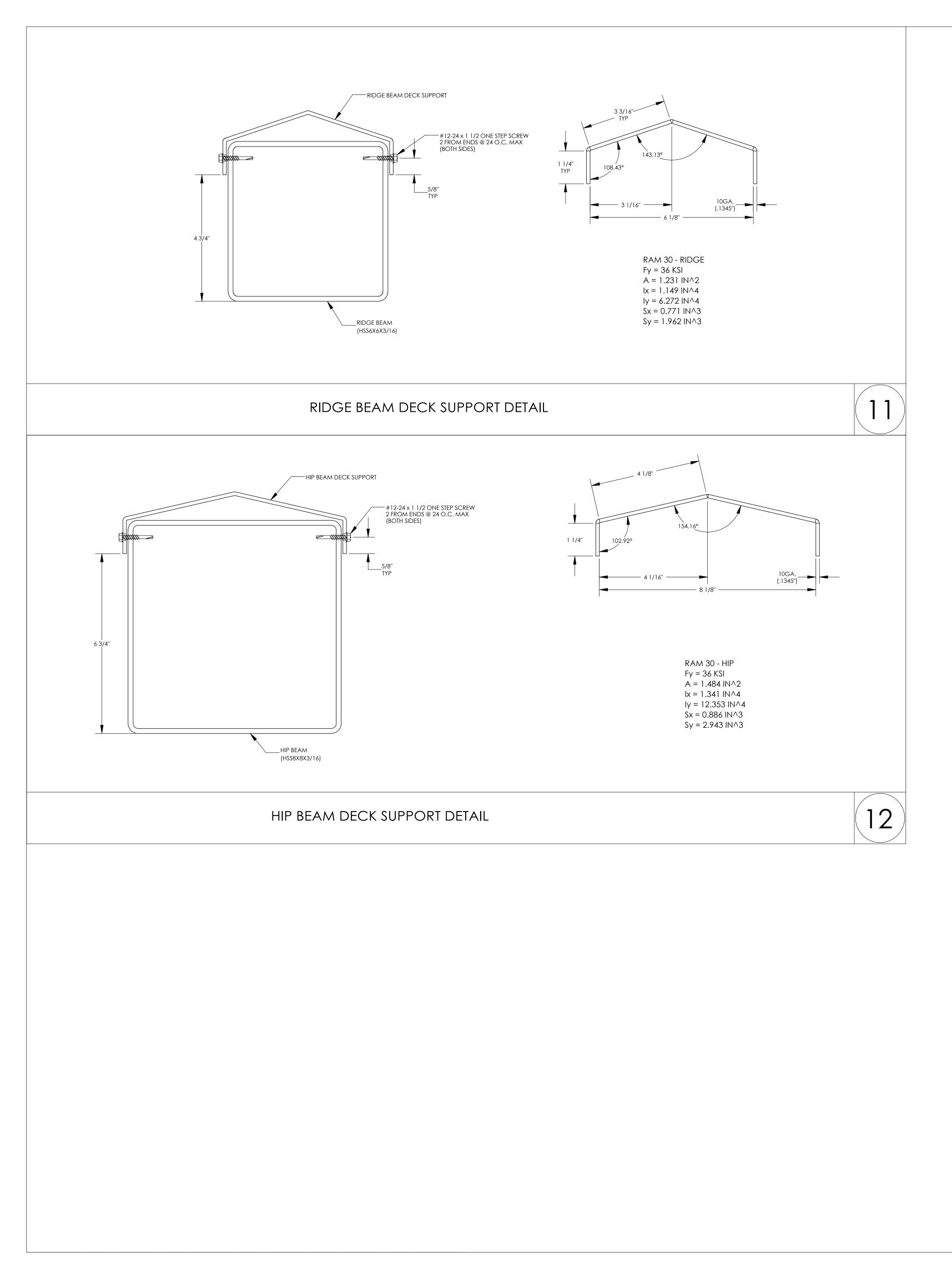


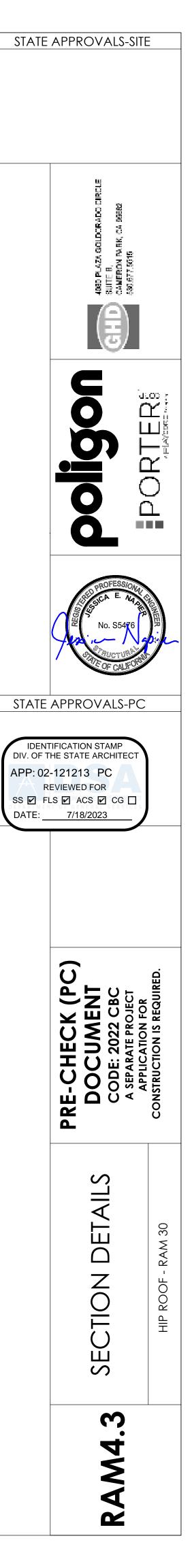


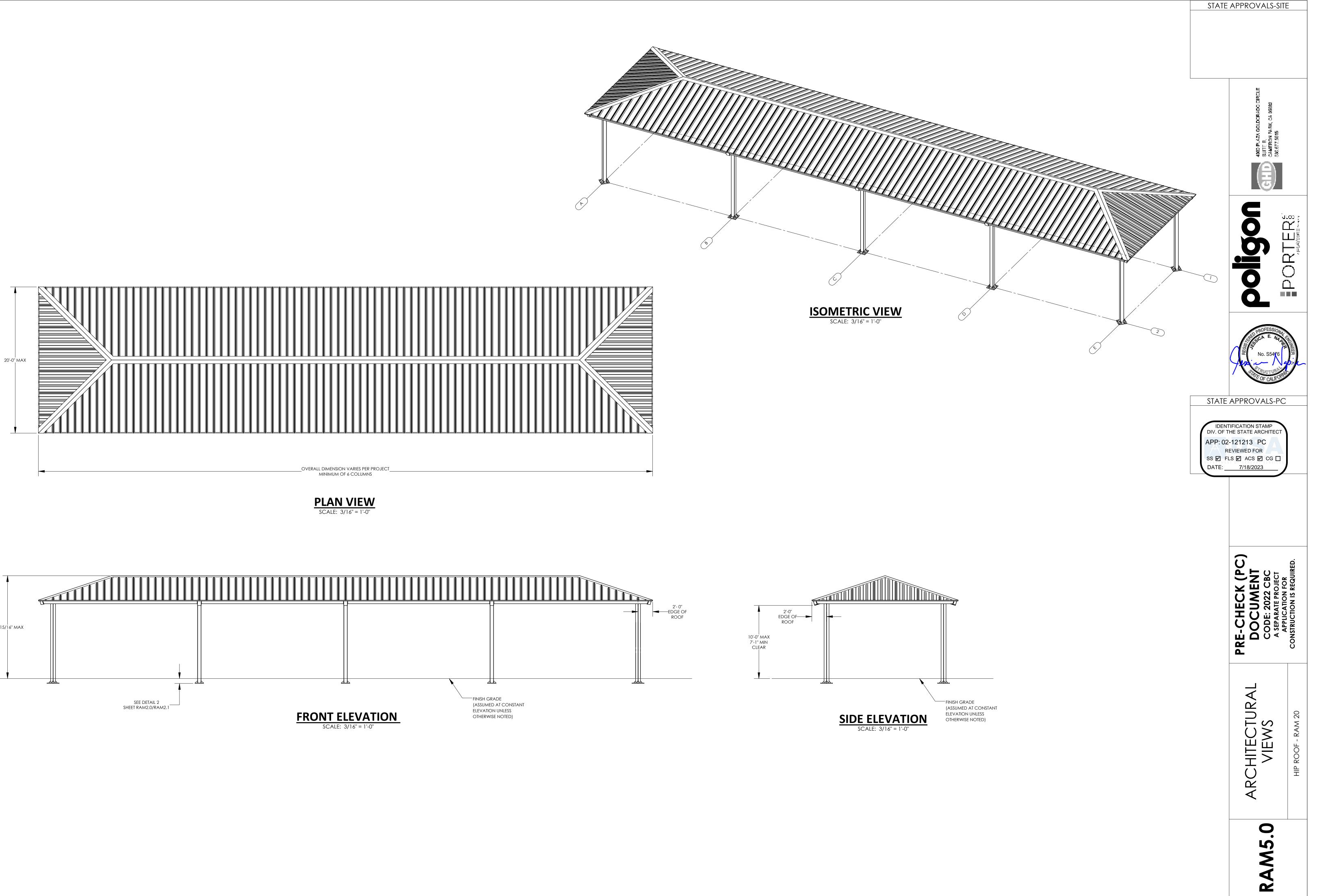


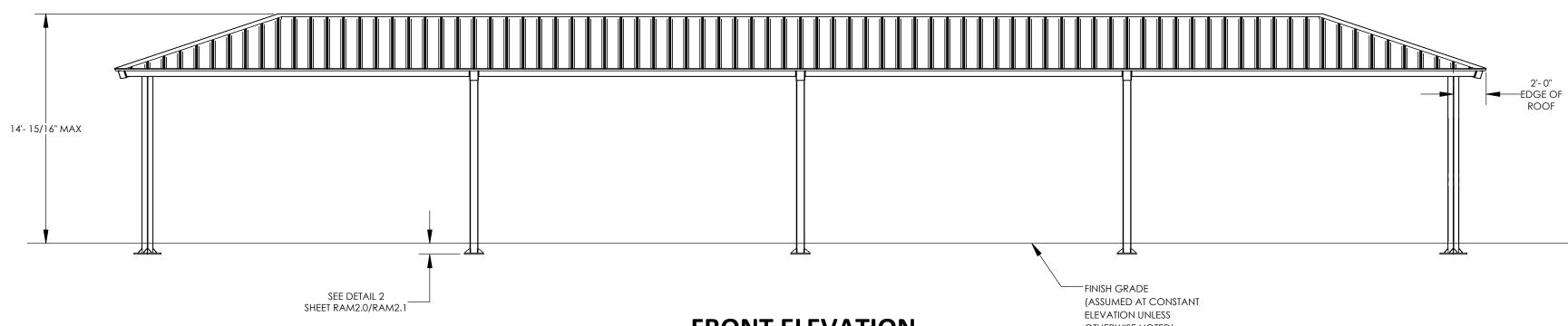


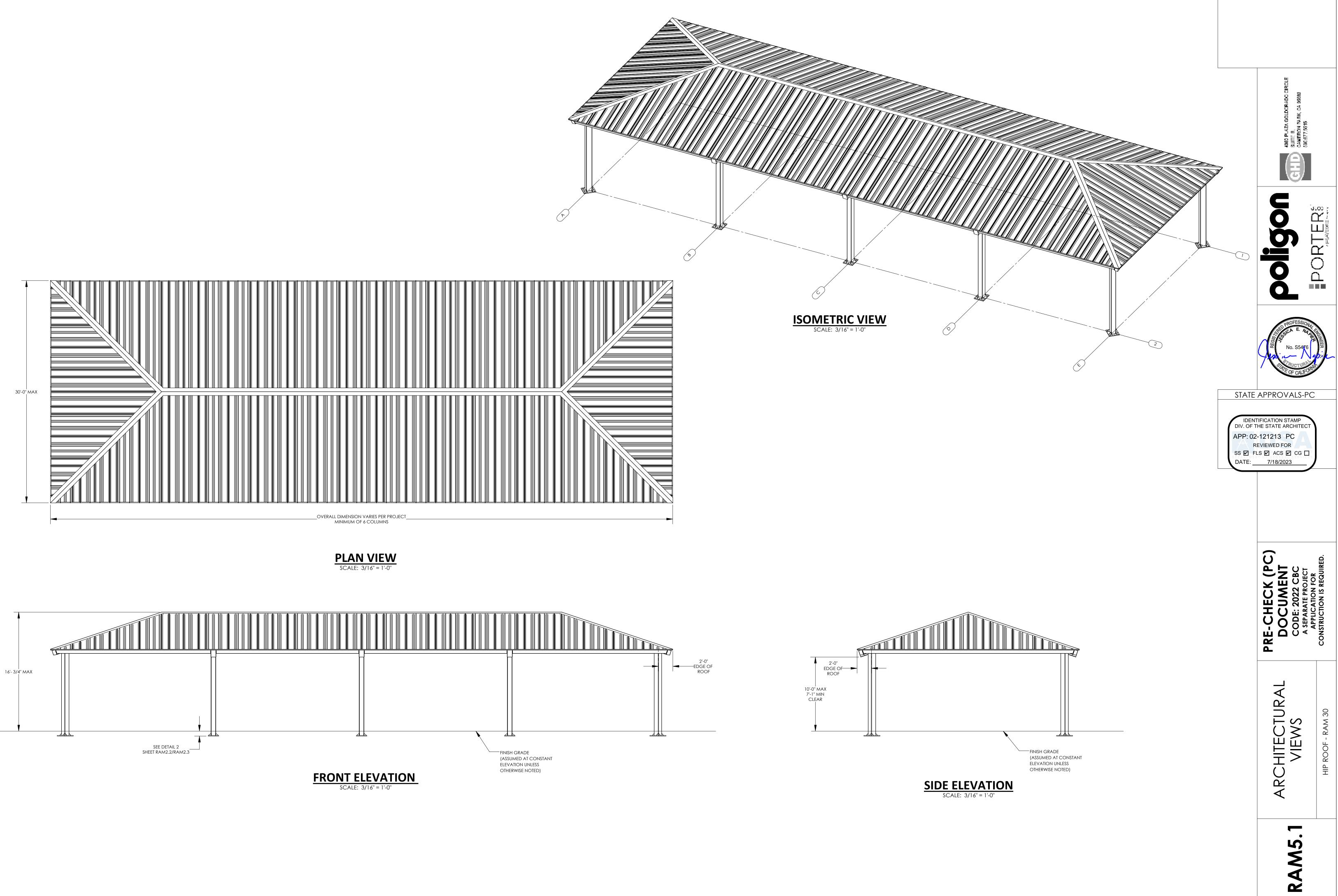


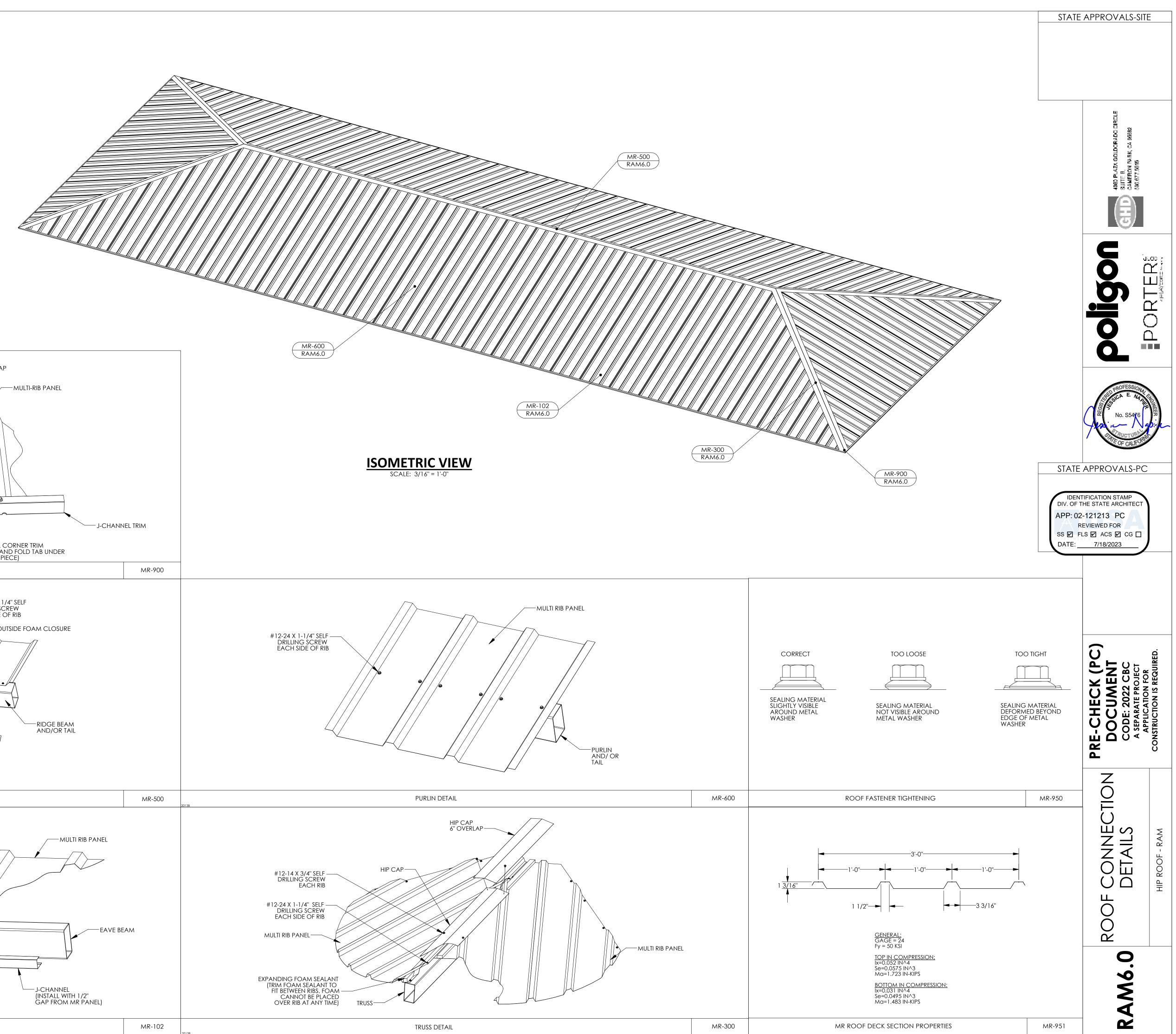


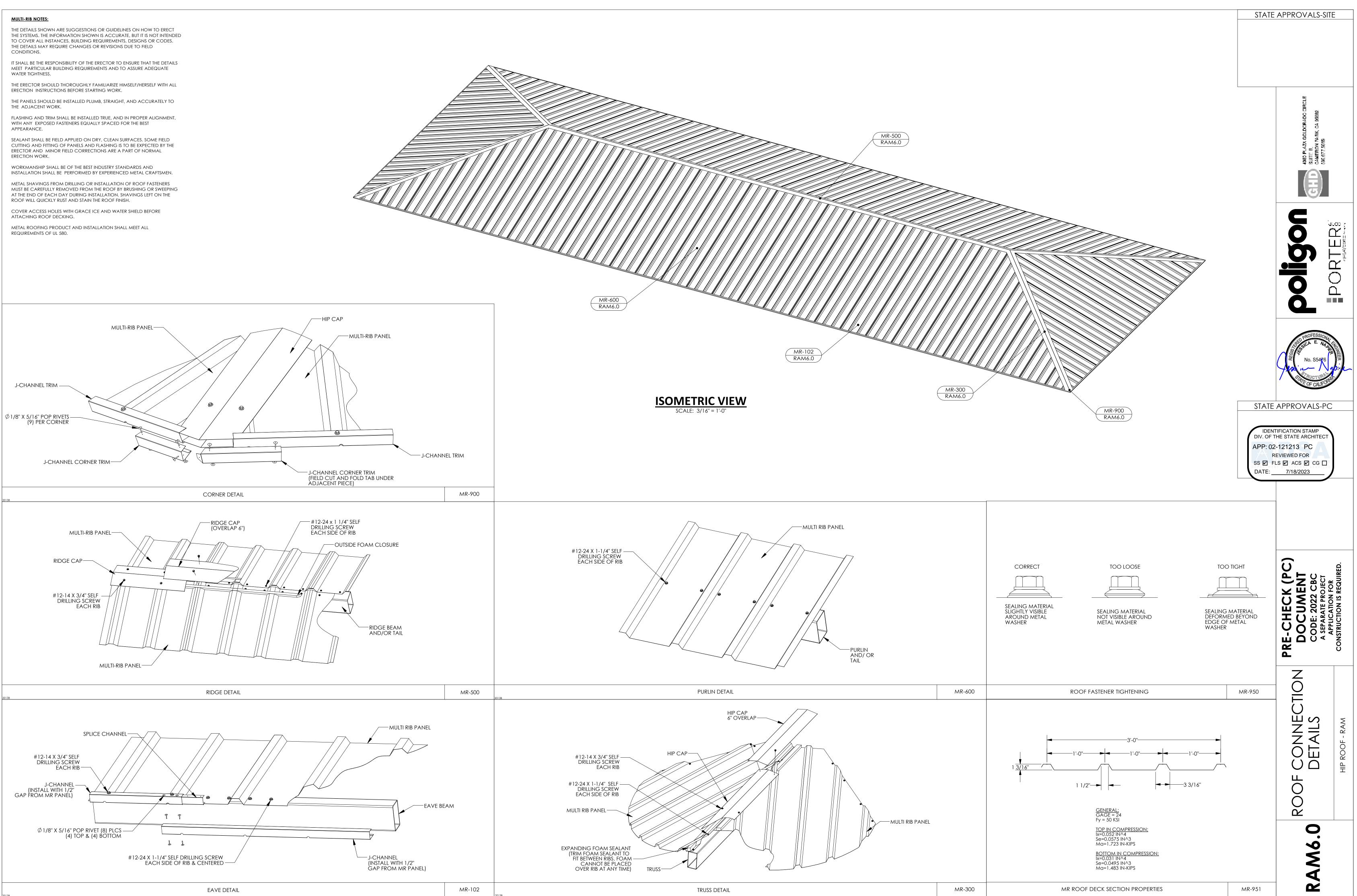












STANDING SEAM INSTALLATION NOTES:

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.

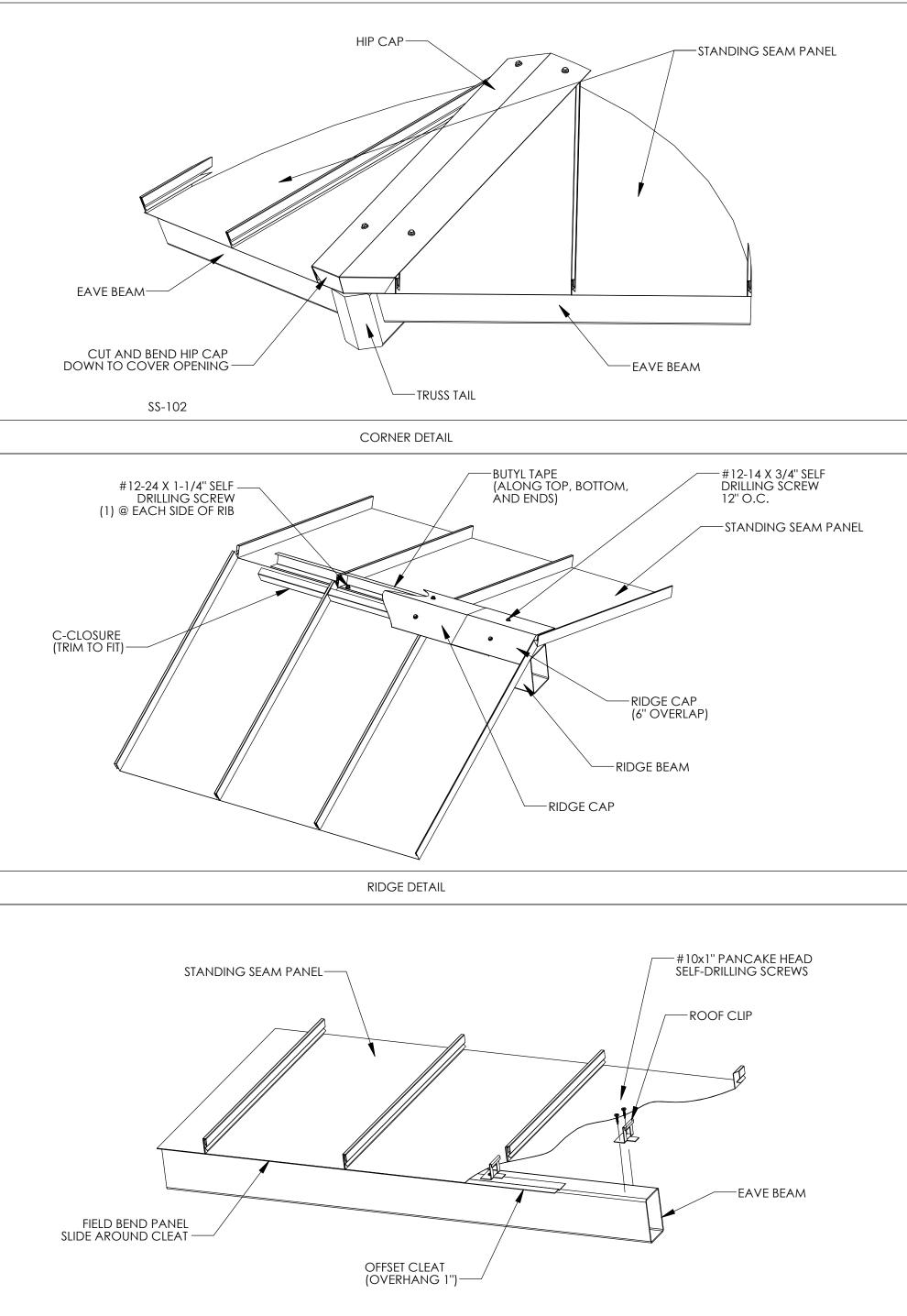
SEALANT SHALL BE FIELD APPLIED ON DRY, CLEAN SURFACES. SOME FIELD CUTTING AND FITTING OF PANELS AND FLASHING IS TO BE EXPECTED BY THE ERECTOR AND MINOR FIELD CORRECTIONS ARE A PART OF NORMAL ERECTION WORK.

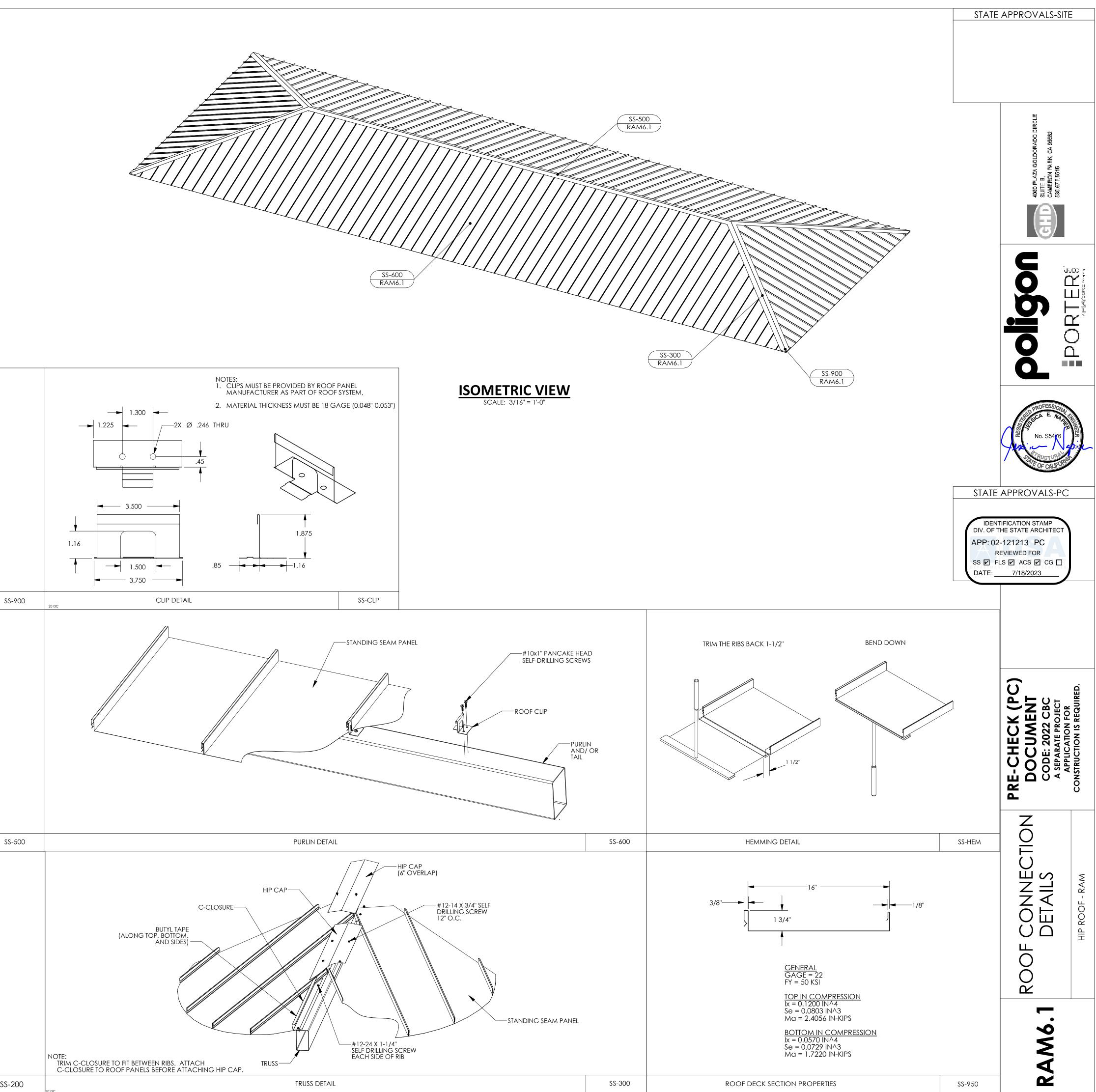
WORKMANSHIP SHALL BE OF THE BEST INDUSTRY STANDARDS AND INSTALLATION SHALL BE PERFORMED BY EXPERIENCED METAL CRAFTSMEN.

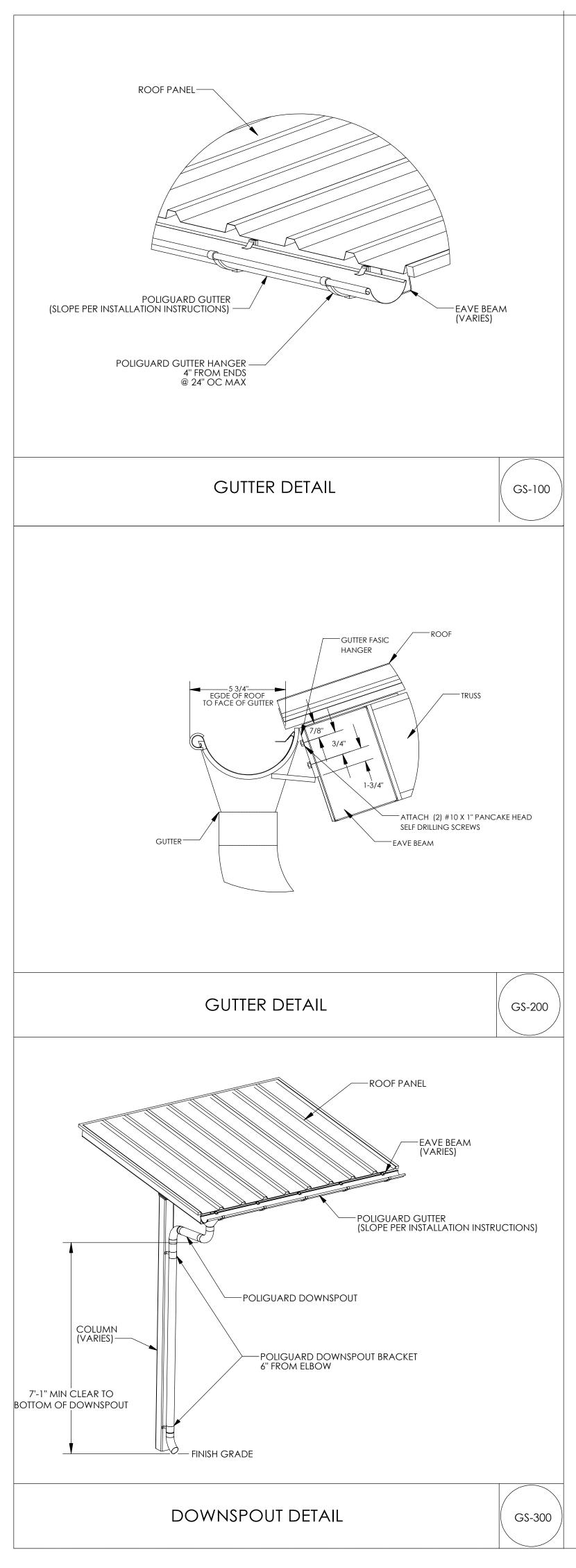
METAL SHAVINGS FROM DRILLING OR INSTALLATION OF ROOF FASTENERS MUST BE CAREFULLY REMOVED FROM THE ROOF BY BRUSHING OR SWEEPING AT THE END OF EACH DAY DURING INSTALLATION. SHAVINGS LEFT ON THE ROOF WILL QUICKLY RUST AND STAIN THE ROOF FINISH.

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

METAL ROOFING PRODUCT AND INSTALLATION SHALL MEET ALL REQUIREMENTS OF ICC-ES REPORT ESL-1082.

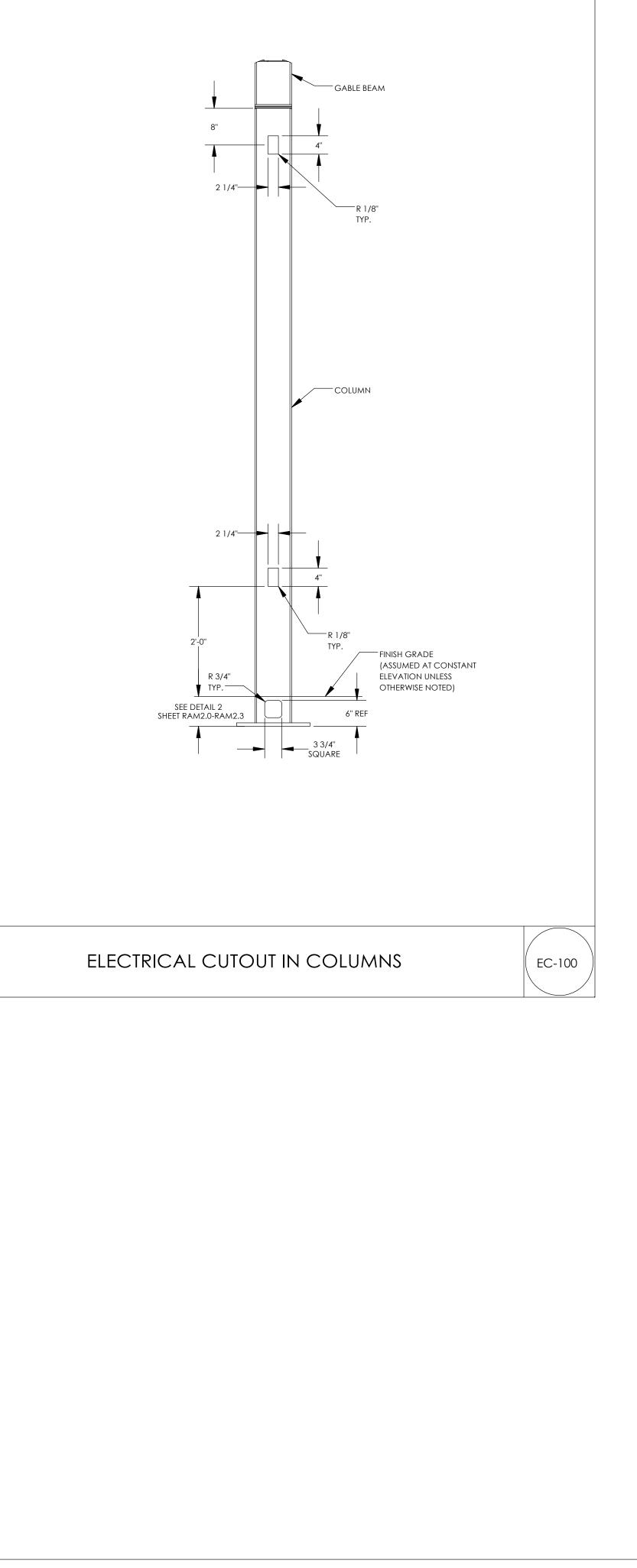






POLIGUARD GUTTER SYSTEM NOTES:

- 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.



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. ______ (003b____ \bigcirc \mathbf{C} Шğ Ϋ́ \sim Δ STATE APPROVALS-PC IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT APP: 02-121213 PC **REVIEWED FOR** SS 🗹 FLS 🗹 ACS 🗹 CG 🗌 DATE: 7/18/2023 ΰ Ē. MENT 22 2 PRE-CHI DOCU CODE: 2 A SEPARA APPLICA CONSTRUCTIO MISC DESIGN OPTIONS RAM ROOF НР 0 RAM7.

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, POLIGON WILL ASSUME CUTOUTS ONLY IN COLUMN A1
- CONTACT POLIGON ENGINEERING FOR SPECIAL PROJECT SPECIFIC REQUIREMENTS

ELECTRICAL CUTOUT IDENTIFICATION IN COLUMNS

SPECIFIC MEMBERS

EXAMPLE:

ELECTRICAL CUTOUT IDENTIFICATION IN COLUMNS

SPECIFIC MEMBERS

A1, B1, F1

