

VICINITY MAP
Scale: NTS

GLENDALÉ UNIFIED SCHOOL DISTRICT GLENOAKS ES-SHADE STRUCTURE

GLENDALÉ, CA

OWNER
GLENDALÉ UNIFIED SCHOOL DISTRICT
223 NORTH JACKSON STREET
GLENDALÉ CA 91206
818-241-3111
TONY BARRIOS

ARCHITECT
NAC|ARCHITECTURE
837 NORTH SPRING, THIRD FLOOR
LOS ANGELES CA 90012
323.475.8075
DAWN BRISCO



SHADE
STRUCTURE

LOCATION MAP
Scale: NTS

ACCEPTABLE CODES

TITLE 19 CCR, PUBLIC SAFETY, STATE FIRE MARSHAL FIRE REGULATIONS
 TITLE 24 CCR, PART 1 - 2016 CALIFORNIA BUILDING STANDARDS ADMINISTRATIVE CODE
 TITLE 24 CCR, PART 2 - 2016 CALIFORNIA BUILDING CODE, VOL. 1 & 2 (CBC) (2012 IBC, AS AMENDED BY CA)
 TITLE 24 CCR, PART 3 - 2016 CALIFORNIA ELECTRICAL CODE, (CEC) (2011 NEC, AS AMENDED BY CA)
 TITLE 24 CCR, PART 4 - 2016 CALIFORNIA MECHANICAL CODE, (CMC) (2012 IAMPO UMC, AS AMENDED BY CA)
 TITLE 24 CCR, PART 5 - 2016 CALIFORNIA PLUMBING CODE, (CPC) (2012 IAMPO UMC, AS AMENDED BY CA)
 TITLE 24 CCR, PART 6 - 2016 CALIFORNIA ENERGY CODE
 TITLE 24 CCR, PART 7 - NOT USED
 TITLE 24 CCR, PART 8 - 2016 CALIFORNIA HISTORICAL CODE
 TITLE 24 CCR, PART 9 - 2016 CALIFORNIA FIRE CODE, (CFC) (2012 IFC, AS AMENDED BY CA)
 TITLE 24 CCR, PART 10 - 2016 CALIFORNIA EXISTING BUILDING CODE, (2009 IBC), AS AMENDED BY CA)
 TITLE 24 CCR, PART 11 - 2016 CALIFORNIA GREEN BUILDING CODE STANDARDS, (CALGreen CODE)
 TITLE 24 CCR, PART 12 - 2016 CALIFORNIA REFERENCED STANDARDS

PARTIAL LIST OF APPLICABLE CODES

2016 CALIFORNIA BUILDING CODE (FOR SFM) REFERENCED STANDARDS CHAPTER 35
 2016 CALIFORNIA FIRE CODE REFERENCED STANDARDS CHAPTER 80
 2016 NFPA 13, AUTOMATIC SPRINKLER SYSTEMS (AS AMENDED BY CA)
 2016 NFPA 72, NATIONAL FIRE ALARM CODE (AS AMENDED BY CA) SEE UL STD 1971 FOR "VISUAL DEVICES"
 2016 NFPA 80, FIRE DOOR AND OTHER OPENING PROTECTIVES
 2009 NFPA 253 CRITICAL RADIANT FLUX OF FLOOR COVERING SYSTEMS

CAL GREEN CODE

Project must meet the mandatory measures of the 2016 California Green X Building Standards (CALGreen) Code (Title 24, Part 11 - Effective 1/1/17)

SHEET INDEX

INDEX OF DRAWINGS

GENERAL

- G0.01 COVER SHEET
- G2.01 FIRE ACCESS SITE PLAN

ARCHITECTURAL

- A1.03 SITE PLAN
- A1.05 SITE DETAILS

SHADE STRUCTURE - PC # 02-113591

- PD1.0 GENERAL NOTES
- PD1.1 SPECIAL INSPECTIONS
- PD2.1 FOUNDATION PLAN
- PD3.1 FRAMING PLAN
- PD4.1 FRAME CONNECTION DETAILS
- PD5.1 SECTION DETAILS
- PD6.2 PLATE DETAILS
- PD6.3 PLATE DETAILS
- PD7.1 HIP ROOF (RAM)
- PD8.0 ROOF CONNECTION DETAILS
- PD9.0 MISC DESIGN OPTIONS

REVISIONS

CONSTRUCTION DOCUMENTS

IDENTIFICATION STAMP
 DIVISION OF STATE ARCHITECT
 OFFICE OF REGULATION SERVICES
 FILE NO. _____
 APPL NO. _____
 AC: _____
 FL: _____
 SS: _____
 DATE: _____

GLENDALÉ UNIFIED SCHOOL DISTRICT
GLENOAKS ES-SHADE STRUCTURE
 2015 EAST GLENOAKS BLVD, GLENDALÉ, CA 91206

REGISTERED ARCHITECT
 F. S. BRISCO
 Exp. 06/30/17
 STATE OF CALIFORNIA

NAC
 ARCHITECTURE
 nacarchitecture.com
 837 N SPRING STREET | THIRD FLOOR
 LOS ANGELES CA 90012

NAC NO: 161-15004
 DRAWN: BR
 CHECKED: GC
 DATE: 04-18-17

IDENTIFICATION STAMP
 DIV. OF THE STATE ARCHITECT
 03 118020
 AC: _____
 FL: _____
 SS: _____
 Date: APR 18 2017

COVER SHEET

G0.01

DSA 810 LOCAL FIRE AUTHORITY REVIEW

To facilitate the Division of the State Architect's (DSA) approval of the Fire/Life Safety portion of a project, DSA requires Local Fire Authority (LFA) review of certain elements as identified in this form. Use of this form is mandatory for projects that add square footage to a campus or if any item on this form is relevant to the project. For additional information, see DSA 810 Instructions and DSA 810 Form 02/17.

PROJECT INFORMATION

School District/Owner: Glendale Unified School District
 Project Name/School: Glenoaks Elementary School - Shade Structure
 Project Address: 2015 East Glenoaks Blvd, Glendale, CA 91208

LOCAL FIRE AUTHORITY (LFA)

LFA Agency Name: City of Glendale
 LFA Reviewer Name: SA DEBILIAN
 Title: Fire Department
 Email: DEBILIAN@GLENDALE.CA.GOV | Telephone Number: 818-548-3207
 Date: 04/17/17

I have reviewed and responded to the applicable items for this project as listed below.
 Note: Only sign this form when it is stamped over the plan. A loose form is not acceptable to DSA.
 LFA Reviewer's Signature: [Signature] Date: 04/17/17

Review Key: "Y" = Complies with LFA requirements "N" = Not approved (complete Section 8)
 "NA" = Not applicable to the project "NR" = LFA elects not to review

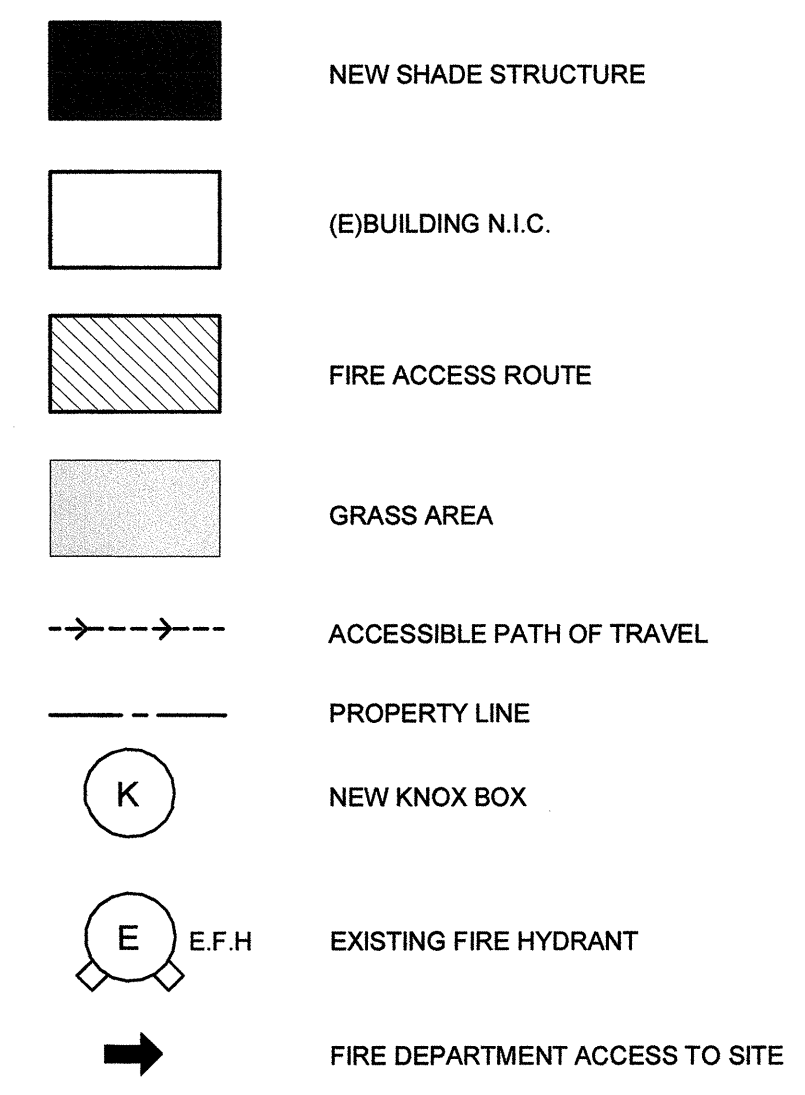
Description	Y	N	NA	NR
1. Where an elevator does not meet medical emergency service cab size, per the California Building Code (CBC), use of stairways for emergency rescue and patient transport is acceptable.				X
2. Access roads, fire lane markings, pavers and gate entrances are in accordance with Title 19, California Code of Regulations and the California Fire Code, Chapter 5.	X			
3. Fire hydrant location and distribution complies with the California Fire Code (or see 4).	X			
4. Fire hydrant location and distribution complies with NFPA 1142, "Alternate Means." If "NR" is checked, DSA can only approve on-site water storage as an alternate. The signature of the school district official is required to acknowledge the use of alternate means.		X		
Signature of School District Official: _____ Date: _____				
Print the School District Official's Name: _____				
5. The location(s) of the proposed post indicator valve and fire department connection meet the requirements of this jurisdiction.				X
6. The location(s) of the detector check valve assembly meet the requirements of this jurisdiction.				X
7. Is the project located in a hazard severity zone area? (CBC, Chapter 7A, Section 701A.) Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Check type if "Yes": <input type="checkbox"/> Moderate <input type="checkbox"/> High <input checked="" type="checkbox"/> Very High <input type="checkbox"/> WFA (If one of these boxes is checked, the project design must meet the requirements of Chapter 7A.)				
COMMENTS (note deficiencies): DUE TO PROJECT TYPE, SIZE AND SCOPE, A FLOW TEST IS NOT REQUIRED				

DSA 810 (rev 02-12-14) DIVISION OF THE STATE ARCHITECT DEPARTMENT OF GENERAL SERVICES STATE OF CALIFORNIA Page 1 of 1

FIRE DEPARTMENT NOTES

- THE FIRE AUTHORITY HAVING JURISDICTION SHALL BE CONSULTED REGARDING ACCESS ROADS, GATES IN PERIMETER FENCES, LOCATION OF FIRE HYDRANTS, FIRE DEPARTMENT PUMPER CONNECTIONS, PORTABLE FIRE EXTINGUISHERS AND FIRE PROTECTION DURING CONSTRUCTION.
- ACCESS ROADS AND GATE ENTRANCES ARE IN COMPLIANCE WITH TITLE 19, CALIFORNIA CODE OF REGULATIONS SUB CHAPTER 1, ARTICLE 3.05 ACCESS ROADS AND 3.16, GATE ENTRANCES TO SCHOOL GROUNDS.
- STAMPED AND SIGNED SITE PLAN ON FILE AT DSA.
- FIRE FLOW AND HYDRANT LOCATION AND DISTRIBUTION ARE IN COMPLIANCE PER CALIFORNIA FIRE CODE, APPENDIX BB, FIRE FLOW AND APPENDIX CC, HYDRANT LOCATION, APPENDIX FROM 018 OF C.
- ADDRESS NUMBERS: APPROVED ADDRESS NUMBERS, BUILDING NUMBERS OR APPROVED BUILDING IDENTIFICATION SHALL BE PLACED IN POSITION THAT IS PLAINLY LEGIBLE AND VISIBLE FROM THE STREET, ROAD, ALLEY, AND WALKWAYS GAIN ACCESS TO AND WITHIN THE PROPERTY. THESE NUMBERS SHALL CONTRAST WITH THEIR BACKGROUND. ADDRESS NUMBERS SHALL BE ARABIC NUMBERS OR ALPHABET LETTERS. NUMBERS SHALL BE A MINIMUM OF 8 INCHES NUMBER HIGH AND STROKE WIDTH SHALL BE INCREASED AS NEEDED FOR LEGIBILITY BASED ON VISIBILITY DISTANCE.
- KNOX BOX: THE MOUNTING HIGH FOR THE KNOX BOX SHALL NOT EXCEED 6 FEET ABOVE THE GROUND LEVEL FINISHED FLOOR. PROVIDE (3) SETS OF KEYS (WITH PERMANENT ENGRAVED IDENTIFICATION FOR ALL EXTERIOR DOORS, GATES, FIRE ALARM PANEL, AND OTHER AS DIRECTED BY THE FIRE INSPECTOR. KNOX BOXES SHALL BE PURCHASED PRIOR TO THE BEGINNING OF CONSTRUCTION, AND INSTALLED IN APPROVED LOCATION FOR THE DURATION OF THE CONSTRUCTION.
- MANUAL SWINGING GATES SHALL BE OPERABLE BY ONE PERSON.
- GATE COMPONENTS SHALL BE MAINTAINED IN AN OPERATIVE CONDITION AT ALL THE TIMES AND REPLACED OR REPAIRED WHEN DEFECTIVE.
- SIGNAGE DURING AND AFTER CONSTRUCTION: THE FIRE DEPARTMENT ACCESS SIGNAGE SHALL BE INSTALLED PRIOR TO THE NEW BUILDING CONSTRUCTION COMMENCED TO INCLUDE FIRE DEPARTMENT ACCESS TO THE NEW BUILDING CONSTRUCTION. THE SIGNAGE SHALL ALSO REMAIN IN PLACE UPON COMPLETION OF CONSTRUCTION AND SHALL BE UPDATED AS NEEDED TO FACILITATE FIRE DEPARTMENTS ACCESS.

FIRE DEPARTMENT ACCESS LEGEND

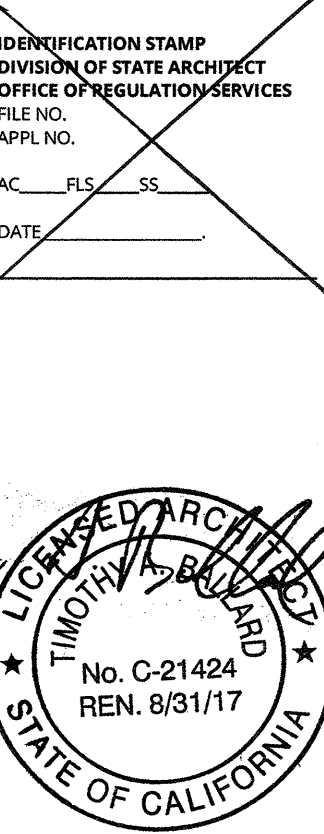


CODE ANALYSIS

(N)SHADE STRUCTURE
 TYPE OF CONSTRUCTION -TYPE V-B
 ALLOWABLE SQ. FT. = 9,500 SQ. FT.
 ACTUAL SQ. FT. = 1,040 SQ. FT.
 FIRE FLOW REQUIREMENT PER TABLE BB 105.1 = 1,500 GPM
 FIRE FLOW ACTUAL (SEE ATTACHED FIRE FLOW)

APR 17 2017
 GLENDALE FIRE PREVENTION BUREAU
 (618) 548-4010
 APPROVED BY [Signature]
 SUBJECT TO FIELD INSPECTION

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 03 118020
 AC / FLS / SS
 Date APR 18 2017



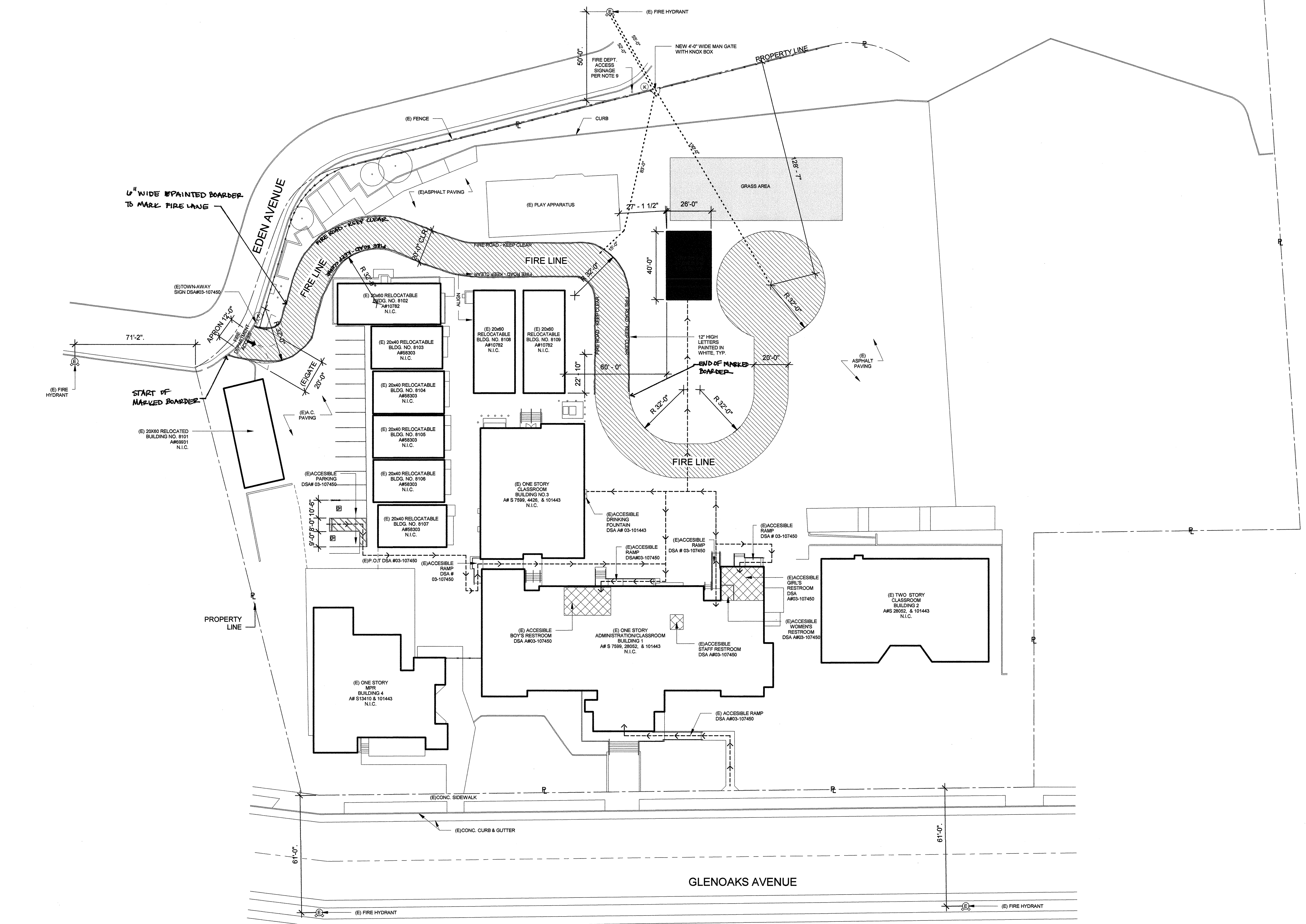
GLENDALE UNIFIED SCHOOL DISTRICT
GLENOAKS ES-SHADE STRUCTURE
 2015 EAST GLENOAKS BLVD, GLENDALE, CA 91208

NAC
 ARCHITECTURE
 nacarchitecture.com
 837 N SPRING STREET | THIRD FLOOR
 LOS ANGELES CA 90012
 (213) 487-1000

NAC NO: 161-15004
 DRAWN: Author
 CHECKED: Checker
 DATE: 04-12-17

FIRE ACCESS SITE PLAN

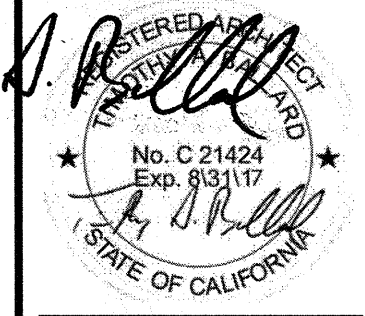
G2.01



SITE PLAN
 Scale: 1" = 30'-0"

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APPL. NO. _____
DATE _____

GLENDALE UNIFIED SCHOOL DISTRICT
GLENOAKS ES-SHADE STRUCTURE
2015 EAST GLENOAKS BLVD., GLENDALE, CA 91205



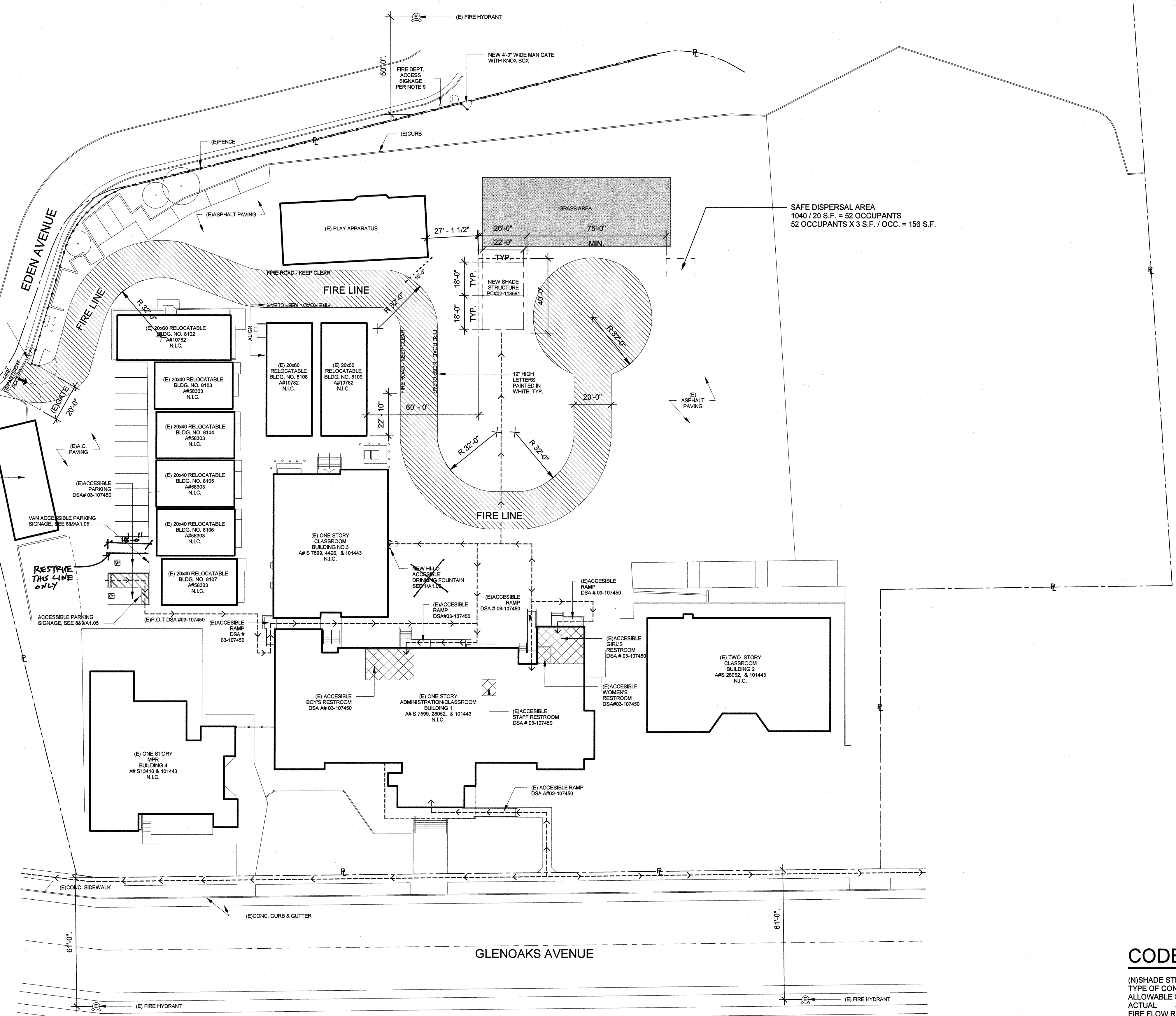
NAC
ARCHITECTURE
nacarchitecture.com
827 N SPRING STREET / THIRD FLOOR
LOS ANGELES CA 90012

NAC NO. 161-15004
DRAWN Author
CHECKED Checker
DATE 04-18-17

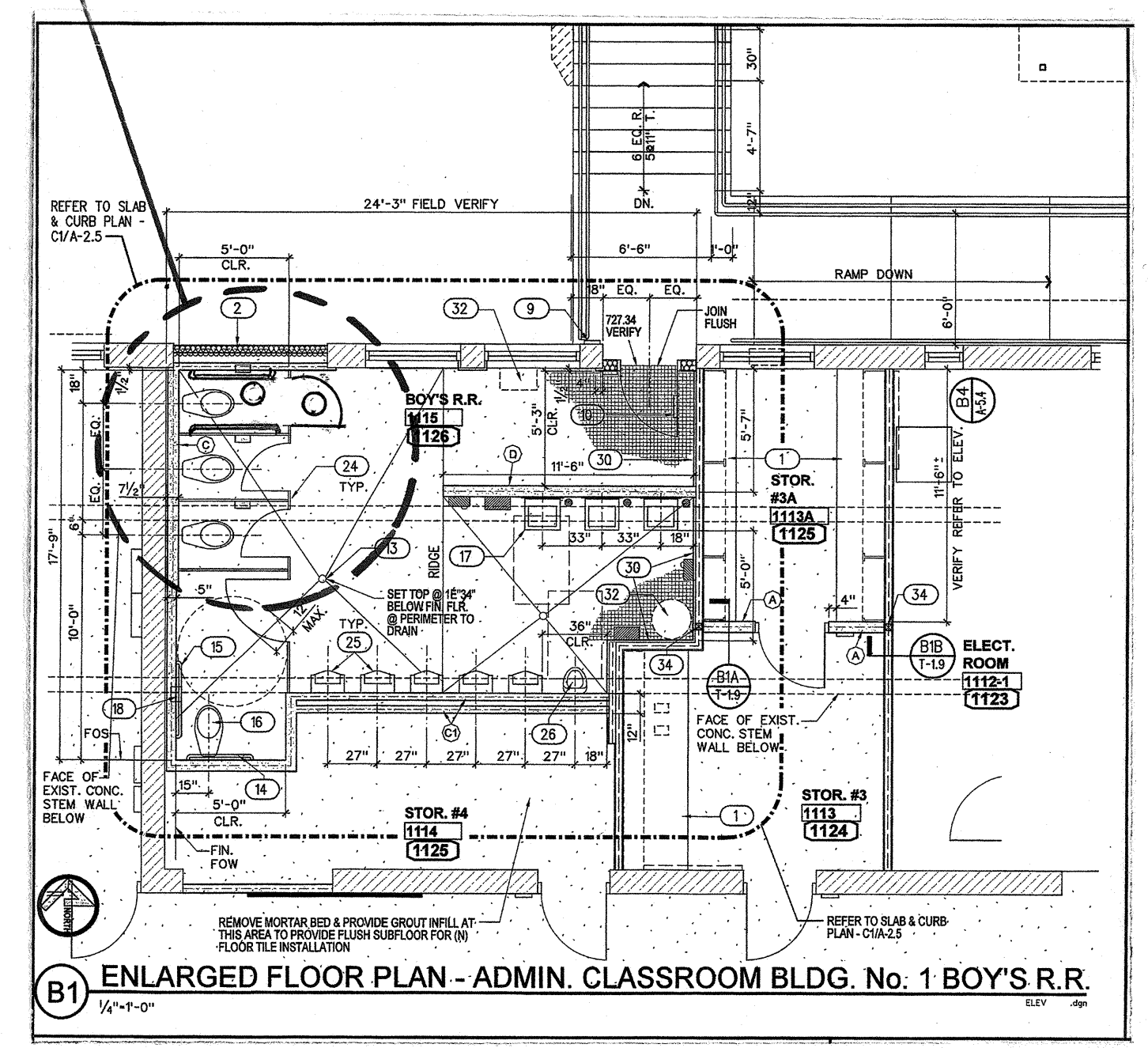
IDENTIFICATION STAMP
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03 218020
ACME FLS/SS
Date APR 18 2017

SITE PLAN

A1.03



WORK SCOPE @ AMBULATORY STALL
LEGEND FOR BOYS RESTROOM
○ REMOVE (N) PARTITION DOOR
RE-ATTACH TO SWING OUTWARD
○ PROVIDE 2-NEW SIDE GRAB BARS 4" LONG
@ +21" AFF. @ (N) AMBULATORY STALL



SITE PLAN
Scale: 1" = 30'-0"

CODE ANALYSIS

(N) SHADE STRUCTURE
TYPE OF CONSTRUCTION - TYPE V-8
ALLOWABLE SQ. FT. = 9,500 SQ. FT.
ACTUAL SQ. FT. = 1,040 SQ. FT.
FIRE FLOW REQUIREMENT PER TABLE BB 105.1 = 1,500 GPM

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

FLOOD ZONE

BASED ON FLOOD INSURANCE RATE MAP DATED SEPT 26, 2008
FLOOD ZONE: X
BASE FLOOD ELEVATION: N/A

- A DSA CERTIFIED CLASS 2 PROJECT INSPECTOR IS REQUIRED FOR THIS PROJECT
- ALL WORK SHALL CONFORM TO 2013 EDITION OF TITLE 24, CALIFORNIA CODE OF REGULATIONS (CCR)
- CHANGE TO THE APPROVED DRAWINGS AND SPECIFICATIONS SHALL BE MADE BY ADDENDA OR CONSTRUCTION CHANGE ORDER (C/O) APPROVED BY DSA, AS REQUIRED BY SECTION 4-338 PART 4, TITLE 24 CCR
- A "DSA CERTIFIED" PROJECT INSPECTOR EMPLOYED BY THE DISTRICT (OWNER) AND APPROVED BY DSA SHALL PROVIDE CONTINUOUS INSPECTION OF THE WORK. THE DUTIES OF THE INSPECTOR ARE DEFINED IN SECTION 4-342, PART 1 TITLE 24 CCR

ACCESSIBILITY NOTES

- SITE WALKWAYS SHALL PROVIDE A BARRIER FREE PATH OF TRAVEL IN A WHEELCHAIR. THE PATH OF TRAVEL SHALL BE HARD, DURABLE AND SLIP RESISTANT ROUTE A MINIMUM OF 48 INCHES IN WIDTH (11B-4035.1 EXCEPTION 3) AND WITH A MAXIMUM IN VERTICAL DIFFERENTIAL LEVELS. CONCRETE FINISH SHALL BE MEDIUM SALTED
- PATH OF TRAVEL (P.O.T.) AS INDICATED, IS A COMMON BARRIER FREE EGRESS / ACCESS ROUTE WITHOUT ANY ABRUPT VERTICAL CHANGES EXCEEDING 1/2" BEVELED AT 1:2 MAXIMUM SLOPE. EXCEPT THAT LEVEL CHANGES DO NOT EXCEED 1/4" VERTICAL AND IS AT LEAST 48" WIDE. THE PATH SURFACE IS SLIP RESISTANT, STABLE, FIRM, AND SMOOTH, PASSING SPACE (11B-403.5.3) AT LEAST 80" X 80" ARE LOCATED NOT MORE THAN 400' APART. THE CROSS-SLOPE DOES NOT EXCEED 2% AND SLOPE IN THE DIRECTION OF TRAVEL AND LESS THAN 5% UNLESS OTHERWISE INDICATED. (P.O.T.) SHALL BE MAINTAINED FREE OF OVERHANG OBSTRUCTIONS TO 80" MINIMUM (11B-307.4) AND PROTRUDING OBJECTS GREATER THAN 4" PROJECTION FROM WALL AND ABOVE 27" AND LESS THAN 80" (11B-307.2)
- GATES IN PATH OF TRAVEL SHALL HAVE LEVER HARDWARE AND KICK PLATES.
- FOR ALL SITE GRADIENTS SEE CIVIL PLANS.

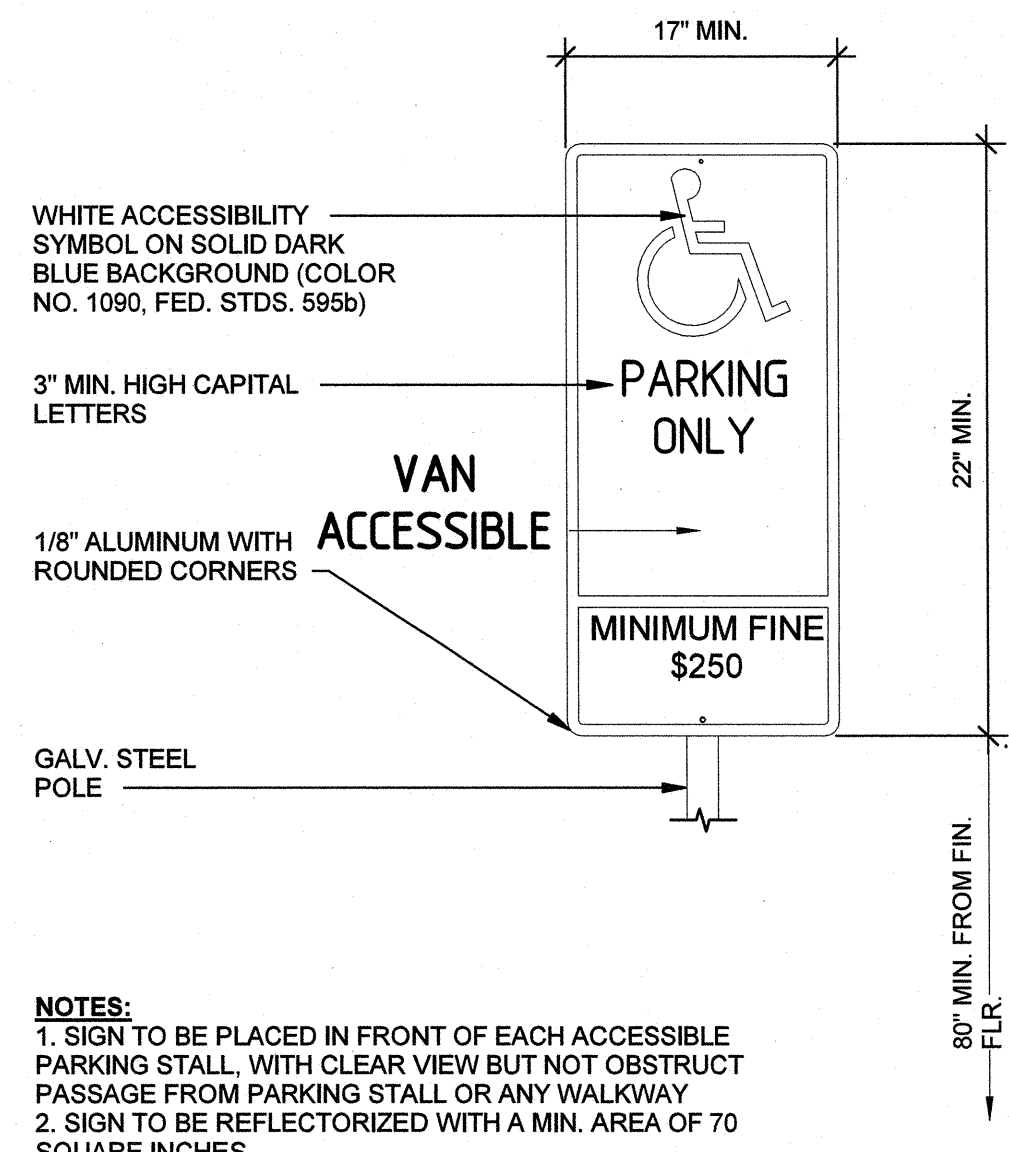
PATH OF TRAVEL STATEMENT

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

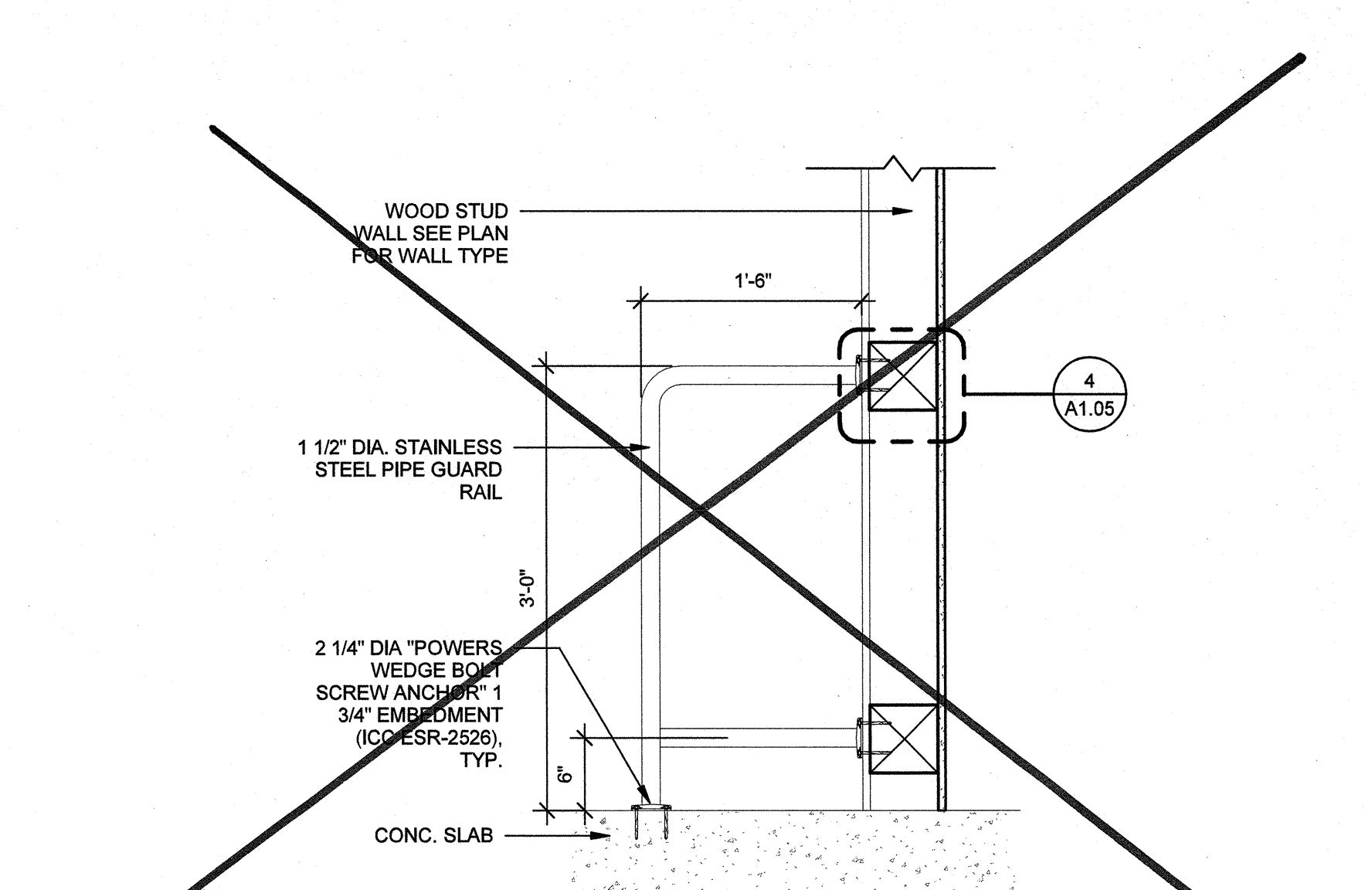
DURING CONSTRUCTION, IF POT ITEMS WITHIN THE SCOPE OF THE PROJECT REPRESENTED AS CODE COMPLIANT ARE FOUND TO BE NONCONFORMING BEYOND REASONABLE CONSTRUCTION TOLERANCES, THEY SHALL BE BROUGHT TO COMPLIANCE WITH CBC AS A PART OF THIS PROJECT BY MEANS OF CONSTRUCTION CHANGE DOCUMENT.

LEGEND

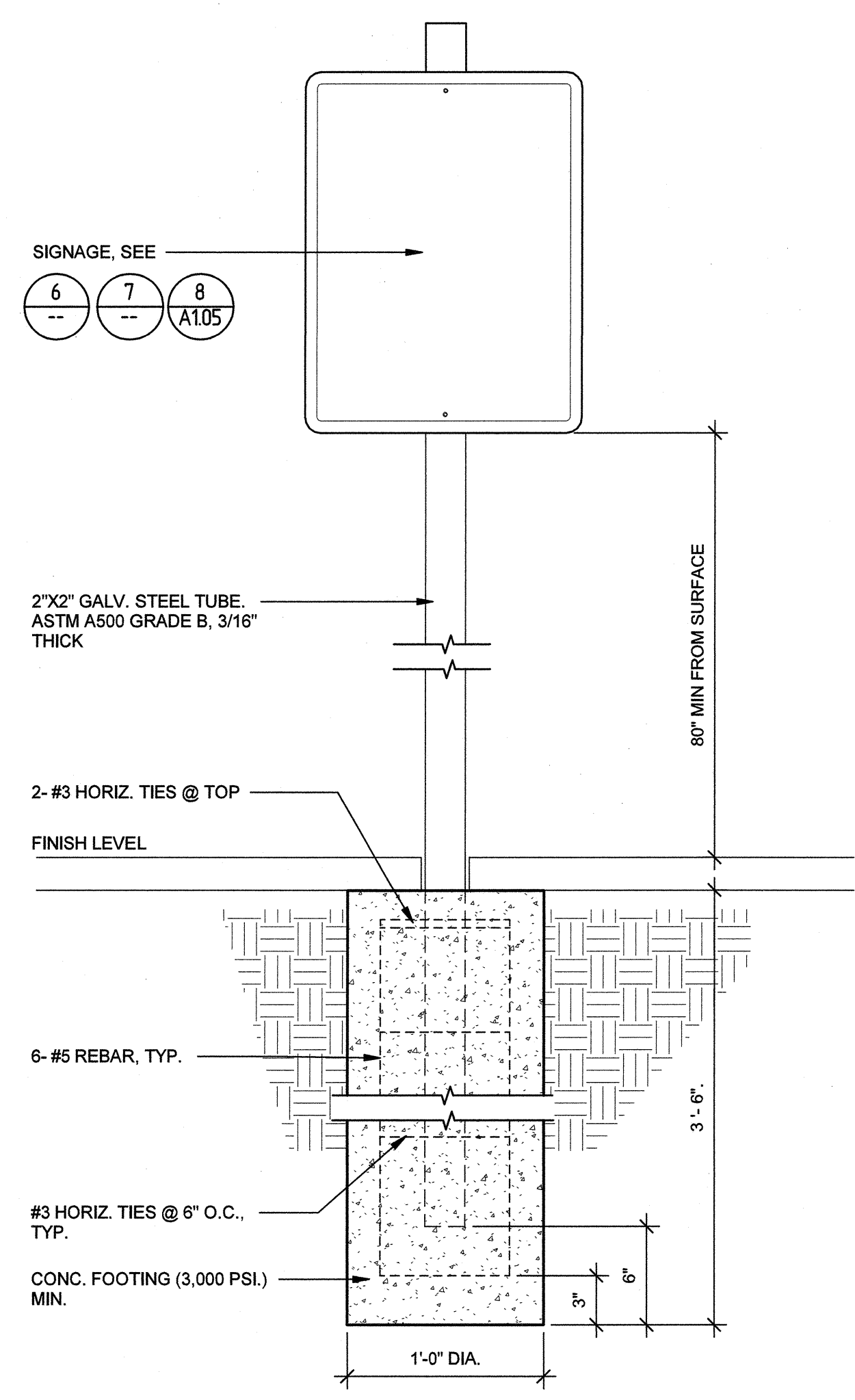
- (E) BUILDING N.I.C.
- NEW SHADE STRUCTURE
- LIMIT OF WORK
- ACCESSIBLE PATH OF TRAVEL
- PROPERTY LINE
- LINE OF ROOF/CANOPY ABOVE
- (E) ACCESSIBLE RESTROOM
- NEW KNOX BOX



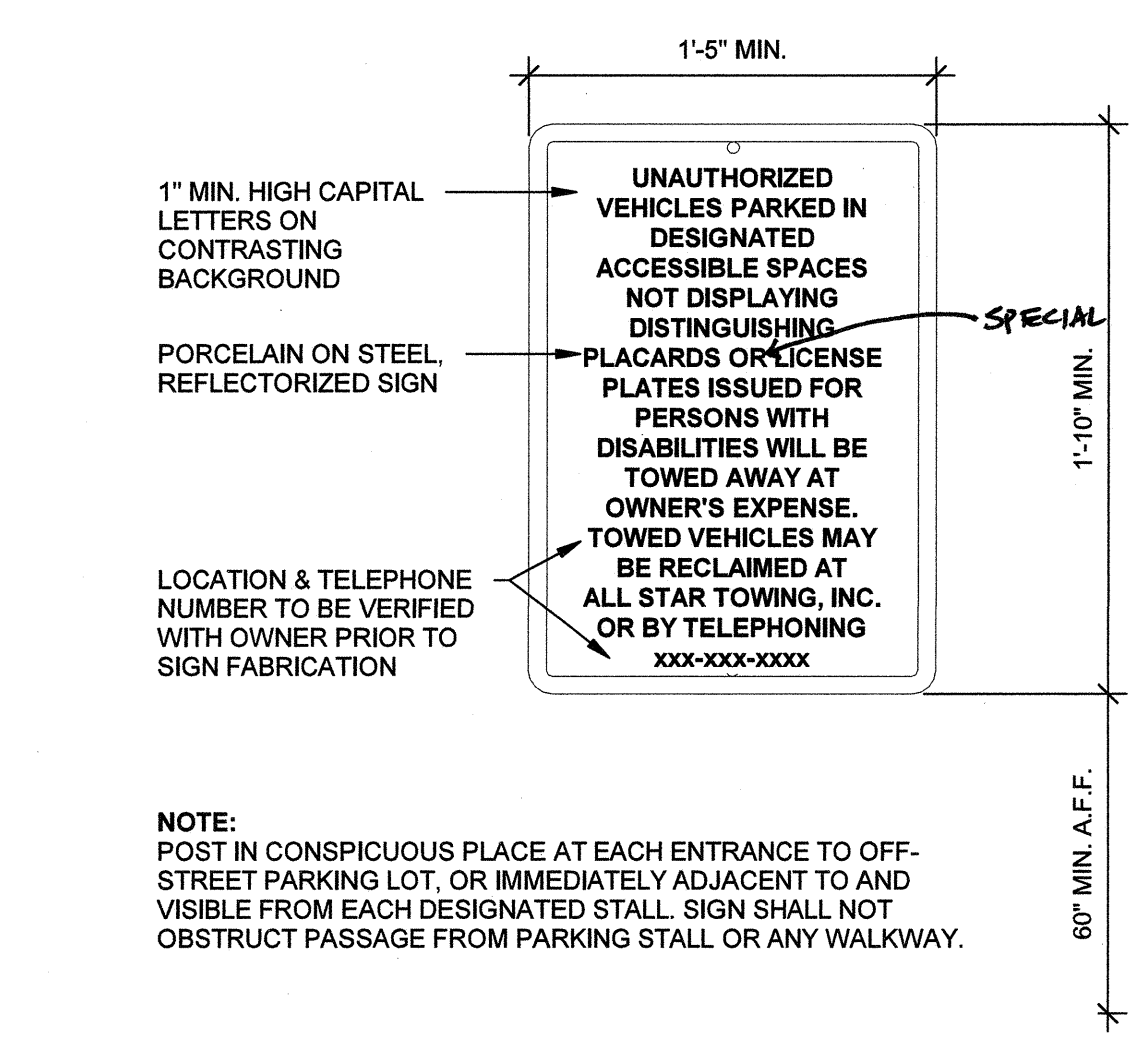
7 SIGNAGE @ VAN ACESIBLE PARKING STALL
Scale: 1" = 1'-0"



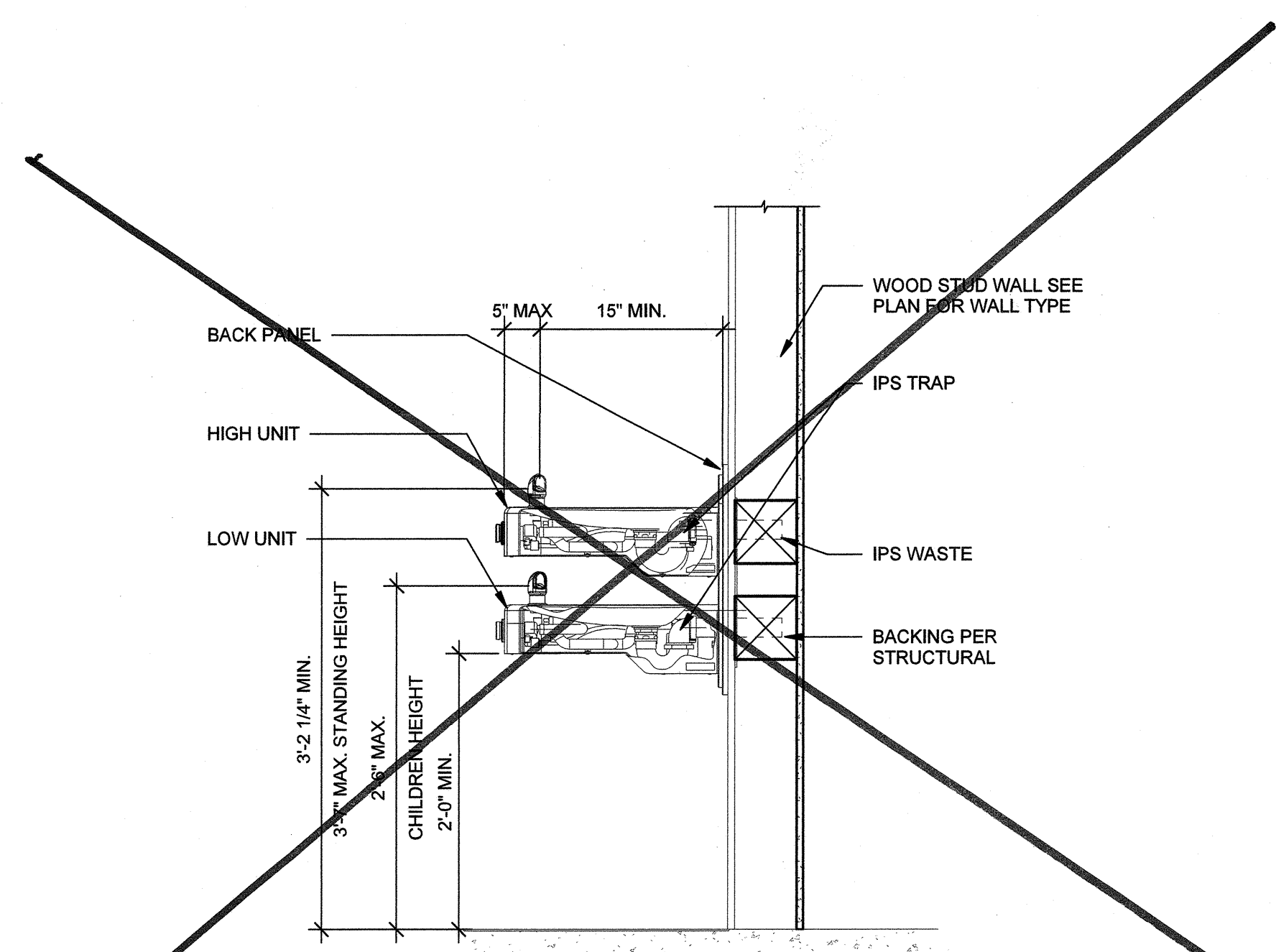
3 PROTECTION RAIL DETAIL
Scale: 1" = 1'-0"



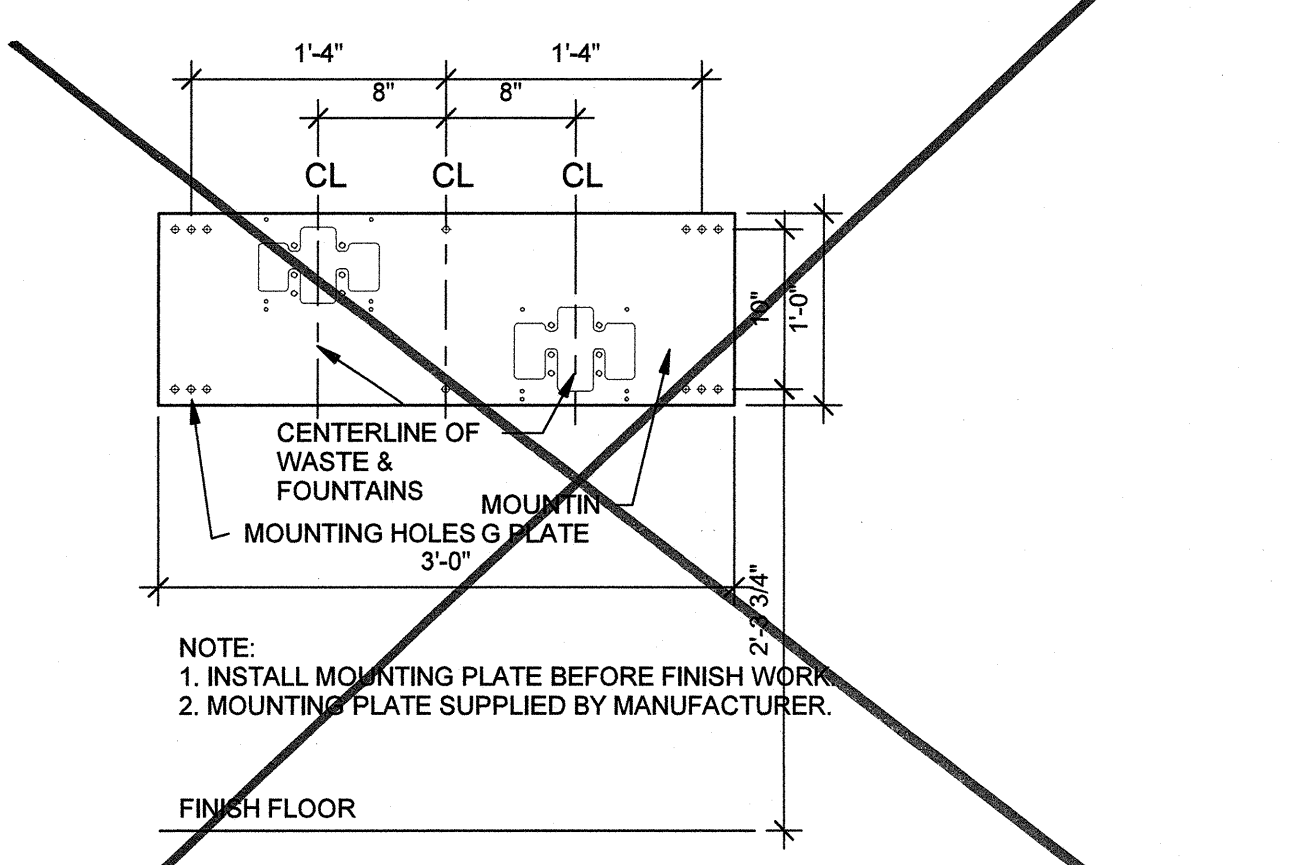
9 POLE MOUNTED SIGN
Scale: 1 1/2" = 1'-0"



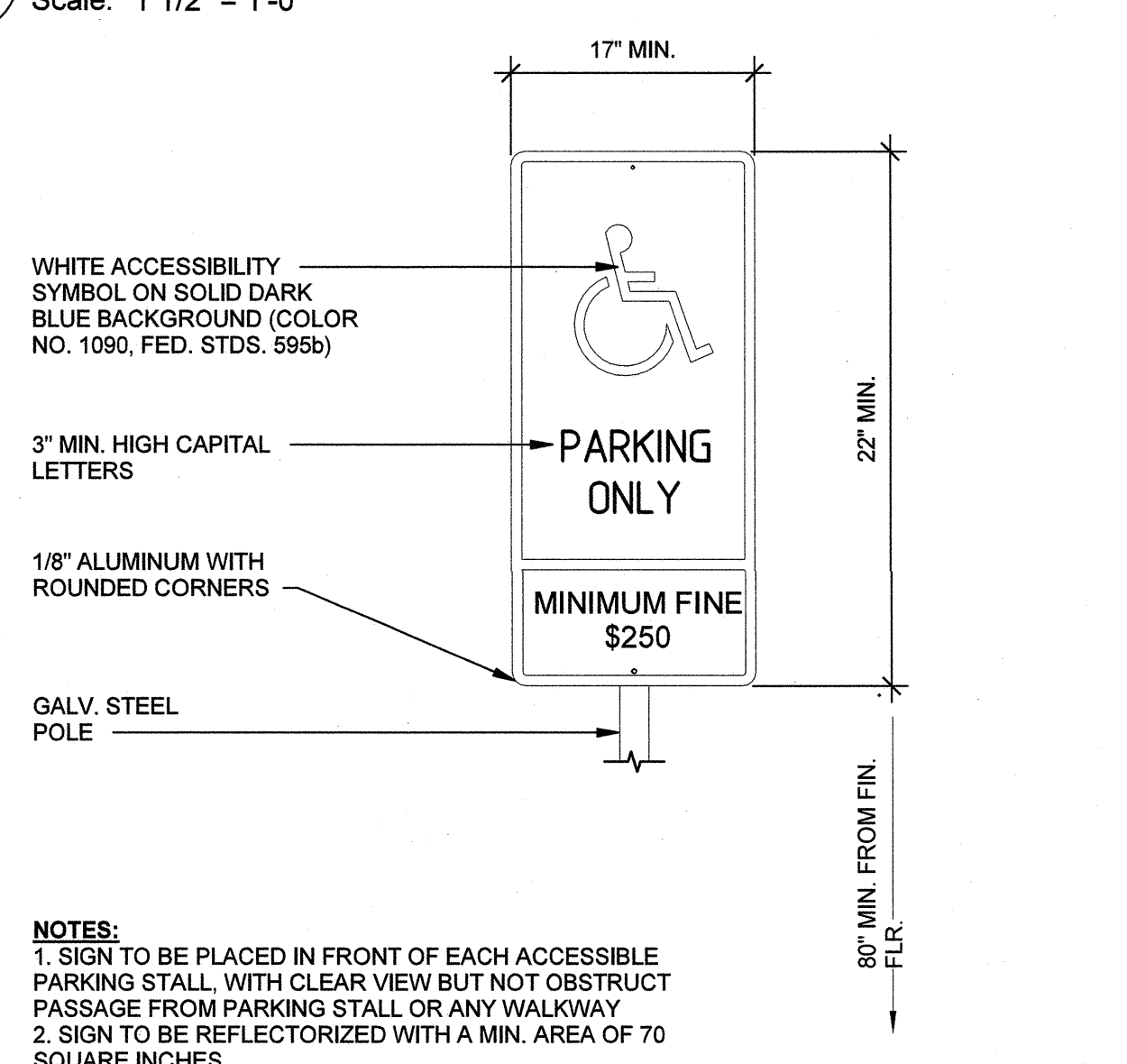
6 TOWN AWAY SIGN
Scale: 1 1/2" = 1'-0"



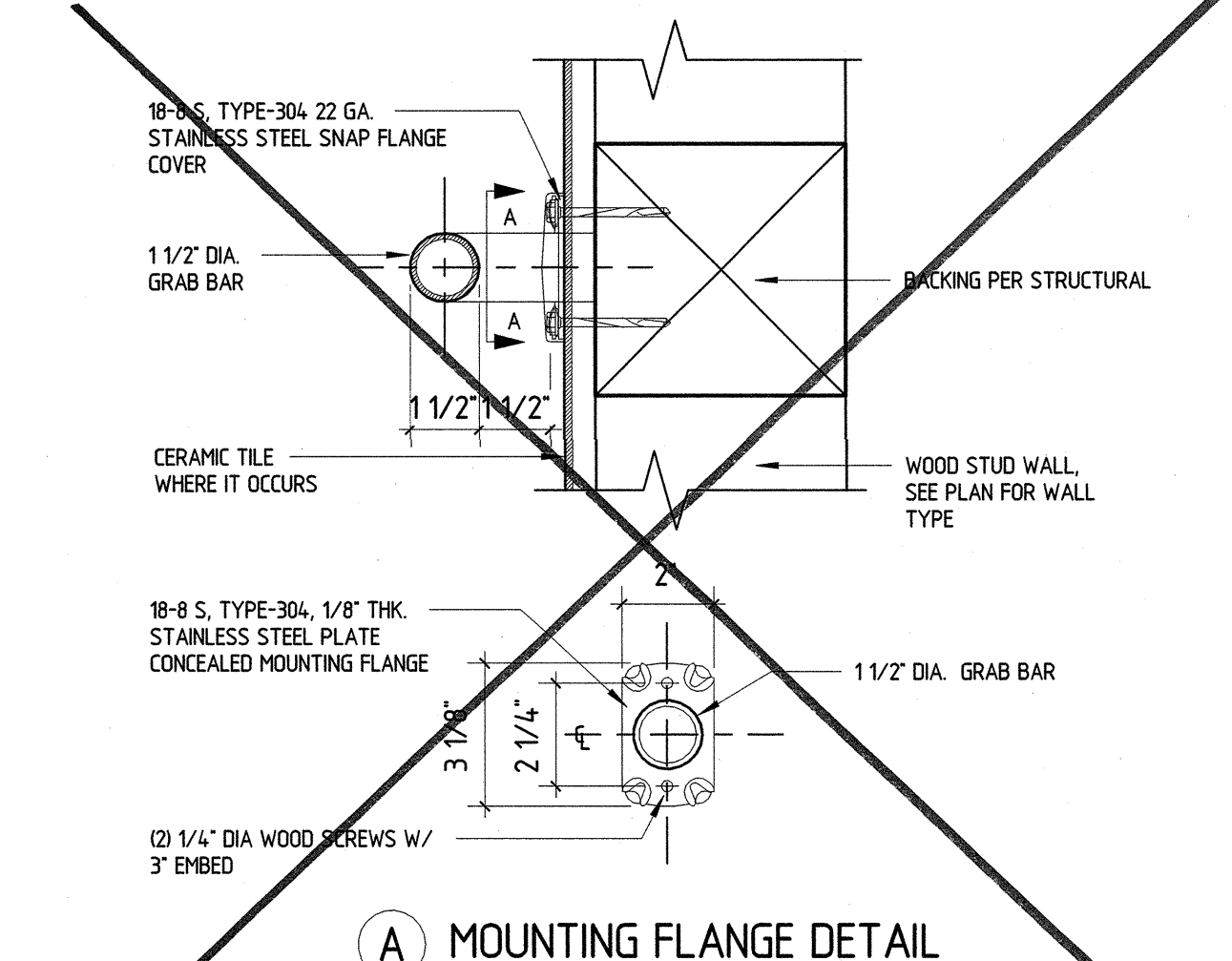
2 HI-LOW DRINKING FOUNTAIN DETAIL SECTION
Scale: 1" = 1'-0"



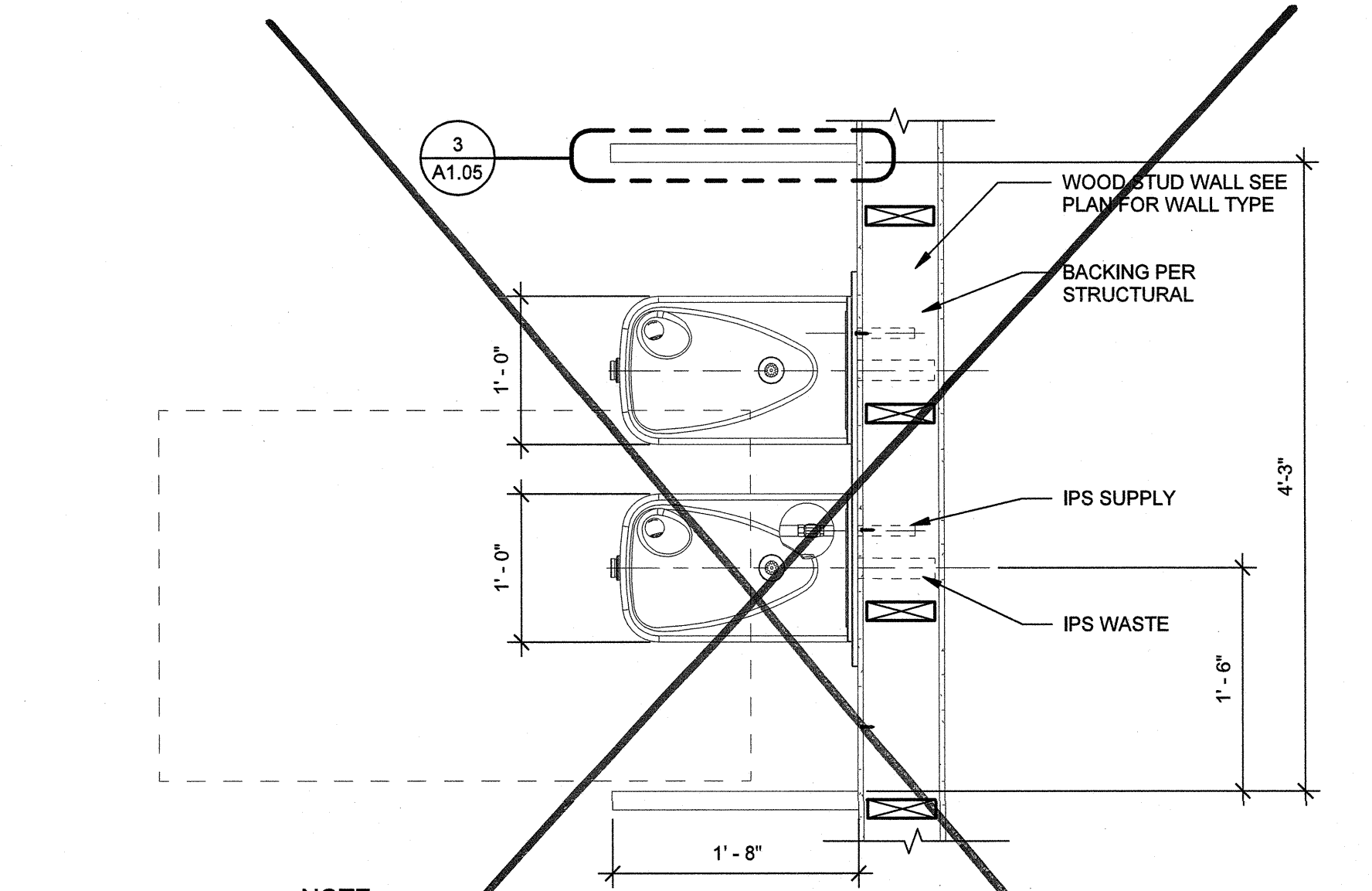
5 HI-LOW DRINKING FOUNTAIN DETAIL PLATE
Scale: 1" = 1'-0"



8 PARKING ONLY
Scale: 1" = 1'-0"



4 GRAB BAR @ WOOD STUD WALL
Scale: 3" = 1'-0"



1 HI-LOW DRINKING FOUNTAIN DETAIL PLAN
Scale: 1" = 1'-0"

NOTE:
THE SPOUT SHALL PROVIDE A FLOW OF WATER AT LEAST 4 INCHES (102MM) HIGH MINIMUM AND SHALL BE LOCATED 5 INCHES (127MM) MAXIMUM FROM THE FRONT OF THE UNIT. THE ANGLE OF THE WATER SHALL BE MEASURED HORIZONTALLY RELATIVE TO THE FRONT FACE OF THE UNIT. WHERE SPOUTS ARE LOCATED LESS THAN 3 INCHES (76MM) OF THE FRONT OF THE UNIT, THE ANGLE OF THE WATER STREAM SHALL BE 30 DEGREES MAXIMUM. WHERE SPOUTS ARE LOCATED BETWEEN 3 INCHES (76MM) AND 5 INCHES (127 MM) MAXIMUM FROM THE FRONT OF THE UNIT, THE ANGLE OF THE WATER STREAM SHALL BE 15 DEGREES MAXIMUM. ON AN ACCESSIBLE DRINKING FOUNTAIN WITH A ROUND OR OVAL BOWL, THE SPOUT MUST BE POSITIONED SO THE FLOW OF WATER IS WITHIN 3 INCHES (75MM) OF THE FRONT EDGE OF THE FOUNTAIN

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GLENDALE UNIFIED SCHOOL DISTRICT
GLENOAKS ES-SHADE STRUCTURE
2015 EAST GLENOAKS BLVD, GLENDALE, CA 91206

STATE OF CALIFORNIA
No. 021424
Exp. 03/31/17
E. M. ...
STATE OF CALIFORNIA

NAC
ARCHITECTURE
nacarchitecture.com

NAC NO. 161-15004
DRAWN Author
CHECKED Checker
DATE 04-18-17

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT

03 110424
AC ME FLS SS
Date APR 18 2017

SITE DETAILS
A1.05

DESIGN VALUES: Table with columns for DESCRIPTION and DESIGN VALUES. Includes sections for DEAD AND LIVE LOADS, ALLOWABLE SOIL PRESSURE, ROOF SNOW LOAD, FLOOD DESIGN, WIND DESIGN, and SEISMIC DESIGN.

ARCHITECTURAL REQUIREMENTS: Table with columns for DESCRIPTION and DESIGN VALUES. Includes TYPE OF CONSTRUCTION, OCCUPANCY CLASSIFICATION, NUMBER OF STORIES, FIRE HAZARD SEVERITY ZONE, and FIRE SPRINKLER SYSTEM.

RELATED BUILDING CODES AND STANDARDS: TITLE 24 CODES: 2013 California Administrative Code (CAC), 2013 California Building Code (CBC), 2013 California Electrical Code, 2013 California Mechanical Code (CMC), 2013 California Plumbing Code (CPC), 2013 California Fire Code (CFC), 2013 California Fire Code (CFC), 2013 California Fire Code (CFC), 2013 California Fire Code (CFC), 2013 California Fire Code (CFC), 2013 California Fire Code (CFC).

REFERENCE CODE SECTIONS FOR APPLICABLE STANDARDS: 2013 CBC, CHAPTER 35 2013 CFC, CHAPTER 45

SCOPE OF WORK NARRATIVE: THESE DRAWINGS ILLUSTRATE THE FABRICATION AND INSTALLATION REQUIREMENTS FOR A FREE-STANDING PREFABRICATED STEEL SHADE STRUCTURE. THE ENTIRE STRUCTURAL SYSTEM IS COMPRISED OF TUBULAR STEEL MEMBERS SUPPORTED ON CONCRETE FOUNDATIONS.

GENERAL: 1. GENERAL NOTES AND TYPICAL DETAILS SHALL APPLY TO ALL PARTS OF THE JOB EXCEPT WHERE THEY MAY CONFLICT WITH DETAILS AND NOTES ON OTHER SHEETS. 2. WORK SHALL CONFORM TO THE REQUIREMENTS, AS AMENDED TO DATE, OF THE LATEST ADOPTED EDITION OF THE CBC, C.A.C. TITLE 24, AND ALL OTHER LOCAL, STATE AND FEDERAL REGULATIONS.

STRUCTURAL AND MISCELLANEOUS STEEL: 1. ALL STRUCTURAL STEEL SHALL BE DETAILED, FABRICATED AND ERRECTED IN ACCORDANCE WITH THE AMERICAN INSTITUTE OF STEEL CONSTRUCTION (AISC) SPECIFICATION MANUAL REFERENCED BY THE LATEST EDITION OF THE CALIFORNIA BUILDING CODE. 2. PIPE SECTIONS SHALL CONFORM TO ASTM A53, Fy = 35 ksi, GRADE B OR A501 UNLESS NOTED OTHERWISE.

REINFORCING STEEL: 1. REINFORCING STEEL SHALL BE DEFORMED STEEL CONFORMING TO THE REQUIREMENTS OF ASTM A615. (DEFORMATIONS SHALL BE IN ACCORDANCE WITH ASTM A305) AS FOLLOWS: CR 60 (#4 BARS AND LARGER) CR 40 (#3 BARS)

INSTRUCTIONS FOR ARCHITECTS SUBMITTING THESE PRE-CHECKED DRAWINGS TO DSA:

BEFORE SUBMITTING THESE PRE-CHECKED DRAWINGS FOR YOUR PROJECT, FOLLOW THE STEPS BELOW TO PROPERLY DEFINE THE APPROVED OPTIONS: THE POLYGON ENGINEERING DEPARTMENT IS AVAILABLE TO HELP YOU COMPLETE THESE STEPS (616-999-1963).

Form with 10 numbered steps for architects to follow, including: STEP 1: SELECT FRAME DIMENSIONS FOR YOUR PROJECT, STEP 2: SELECT ROOF DECK FOR YOUR PROJECT, STEP 3: IDENTIFY THE Ss ACCELERATION (g) FOR YOUR PROJECT, STEP 4: IDENTIFY THE Ss REGION FOR YOUR PROJECT, STEP 5: IDENTIFY THE ROOF DEAD LOAD FOR YOUR PROJECT, STEP 6: IDENTIFY THE FOUNDATION REQUIREMENTS FOR YOUR PROJECT.

WELDING: 1. ALL WELDING SHALL COMPLY WITH AWS D1.1 SPECIFICATIONS AND SHALL BE DONE BY AWS QUALIFIED WELDERS CERTIFIED FOR THE TYPE OF WELDING TO BE PERFORMED AS REQUIRED BY DSA. 2. ALL WELDING SHALL BE DONE BY GAS METAL ARC PROCESS WITH E70XX ELECTRODES, FLUX CORE ARC WELD SHALL CONFORM TO CHARPY NOTCH TOUGHNESS RATINGS OF 20 FT-LB @ 10°F.

BOLTING: 1. ALL BOLTS SHOWN ON THESE DRAWINGS ARE ASTM A325 HIGH STRENGTH BOLTS (UNO), TYPE 3. 2. HIGH STRENGTH BOLTS SHALL BE SAMPLED AND TESTED IN COMPLIANCE WITH CBC 2213A.1. 3. BEFORE ERRECTING THE FRAME, VERIFY ALL BOLTS AND NUTS ARE CLEAN OF DEBRIS AND BURRS - INCLUDING THE HARDWARE ALREADY FASTENED INSIDE THE MEMBERS.

FOUNDATIONS: 3. ALLOWABLE SOIL PRESSURES ASSUME CLASS 4 SOIL CLASSIFICATION PER CBC TABLE 1806A. 4. A GEOTECHNICAL REPORT / LETTER IS REQUIRED AT THE OVER-THE-COUNTER APPOINTMENT FOR EACH PROJECT. 5. FILL AND BACKFILL SHALL BE COMPACTED TO 95% OF MAX. DENSITY IN ACCORDANCE WITH ASTM TEST METHOD D1557-70. FLOODING NOT PERMITTED.

CONCRETE: 1. MIX DESIGN REQUIREMENTS: (NORMAL WEIGHT CONCRETE) 2. CHANGES TO THE MIX DESIGN MUST BE APPROVED BY THE ENGINEER OR ARCHITECT OF RECORD AND DSA 3. AGGREGATES SHALL CONFORM TO ASTM C33 WITH PROVEN SHRINKAGE CHARACTERISTICS OF LESS THAN .005. MAX AGGREGATE SIZE = 1".

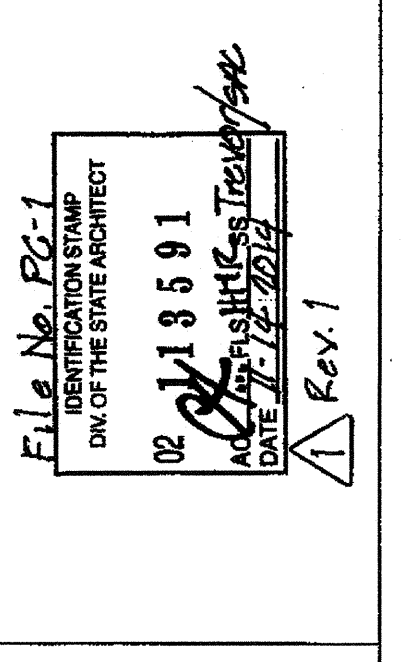
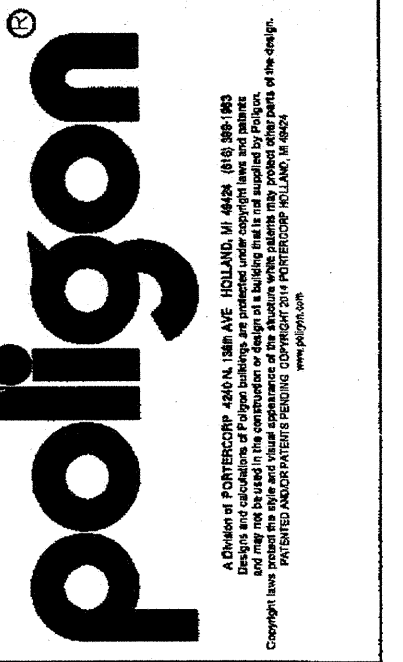
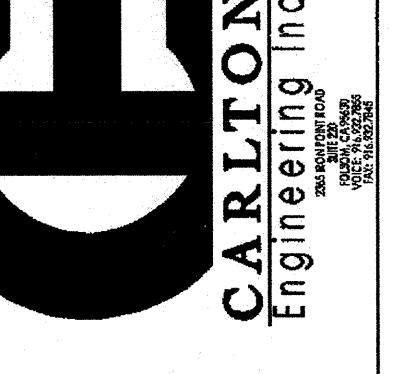
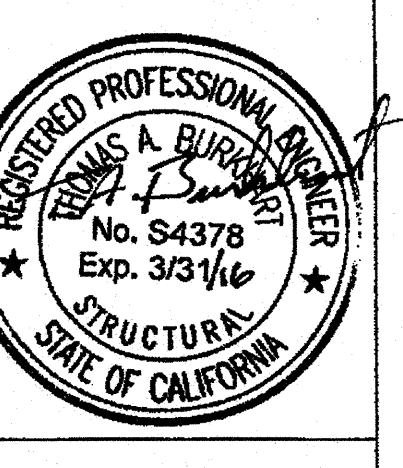
Table with columns: STRENGTH f'c (28 DAYS), W/C RATIO (NON-AIR ENTRAINED), W/C RATIO (AIR ENTRAINED), SLUMP (+/- 2"), UNIT WEIGHT (NORMAL WEIGHT), 5000 PSI, 0.63, 0.55, 3", 150 PCF.

REINFORCING STEEL: 1. REINFORCING STEEL SHALL BE DEFORMED STEEL CONFORMING TO THE REQUIREMENTS OF ASTM A615. (DEFORMATIONS SHALL BE IN ACCORDANCE WITH ASTM A305) AS FOLLOWS: CR 60 (#4 BARS AND LARGER) CR 40 (#3 BARS)

POWDER COATED AND EPOXY PRIMED FINISH: 1. ENTIRE POWDER COATING PROCESS COMPLETED IN SAME FACILITY AS STEEL FABRICATION. 2. ALL CARBON STEEL MEMBERS (COLUMNS, BEAMS, PLATES, ETC.) PAINTED WITH PRIME COAT PER THE 'AISC CODE OF STANDARD PRACTICE' AND THE 'AISC SPECIFICATION SECTION M3' (UNLESS NOTED OTHERWISE).

ABBREVIATIONS: Table with columns for ACI, AISC, ASM, ASTM, AWS, CBC, CJP, CLR, DEG, DIA, DIM, DSA, EQ, FT, GA, IN, KSI, LH, MAX, MIN, MSC, MPH and their corresponding full names.

SHEET INDEX: Table with columns for BASE FRAME, ROOF DECK, SELECT ONE, GENERAL NOTES, SPECIAL INSPECTIONS, FOUNDATION PLAN, FRAMING PLAN, FRAME CONNECTION DETAILS, SECTION DETAILS, PLATE DETAILS, ARCHITECTURAL VIEWS, ROOF CONNECTION DETAILS, MISC DESIGN OPTIONS.



PRE-CHECK (PC) DOCUMENT CODE: 2013 CBC A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRED.

GENERAL NOTES: DRAWN BY: JMD CHECKED BY: CE POLYGON #: 51458 HIP ROOF (RAM) PC DRAWINGS PD1.0

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SPECIAL INSPECTION NOTES:

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



DSA-103 rev 12/2013
Statement of Structural Tests & Special Inspections - 2013 CBC

INCREMENT #
DSA File No.: PC-1
Application No.: 02-113591
Date Submitted:
Revised:

School Name: EXAMPLE - REMOVE ON SITE-SPECIFIC PROJECTS
District: EXAMPLE - REMOVE ON SITE-SPECIFIC PROJECTS

IMPORTANT: This form is only a summary list of structural tests and special inspections required for the project. The actual tests and inspections must be performed as detailed on the DSA approved documents. 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.
NOTE: This form is also available for projects submitted for review under the 2007 and 2010 CBC.

Note: References are to the 2013 edition of the California Building Code (CBC) unless otherwise noted.

Table with columns: TEST OR SPECIAL INSPECTION, TYPE, PERFORMED BY, CODE REFERENCE AND NOTES. Rows include SOILS, CONCRETE, MASONRY, STEEL, WELDING, WOOD, and OTHER.

- 1 Soils testing and inspection: Geotechnical Verified Report - Form DSA-293
2 All Structural Testing: Laboratory Verified Report - Form DSA-291
3 Concrete Batch Plant Inspection: Special Inspection Verified Report - Form DSA-292
4 Shop Welding Inspection: Special Inspection Verified Report - Form DSA-292
5 HS Bolt Installation Inspection: Special Inspection Verified Report - Form DSA-292

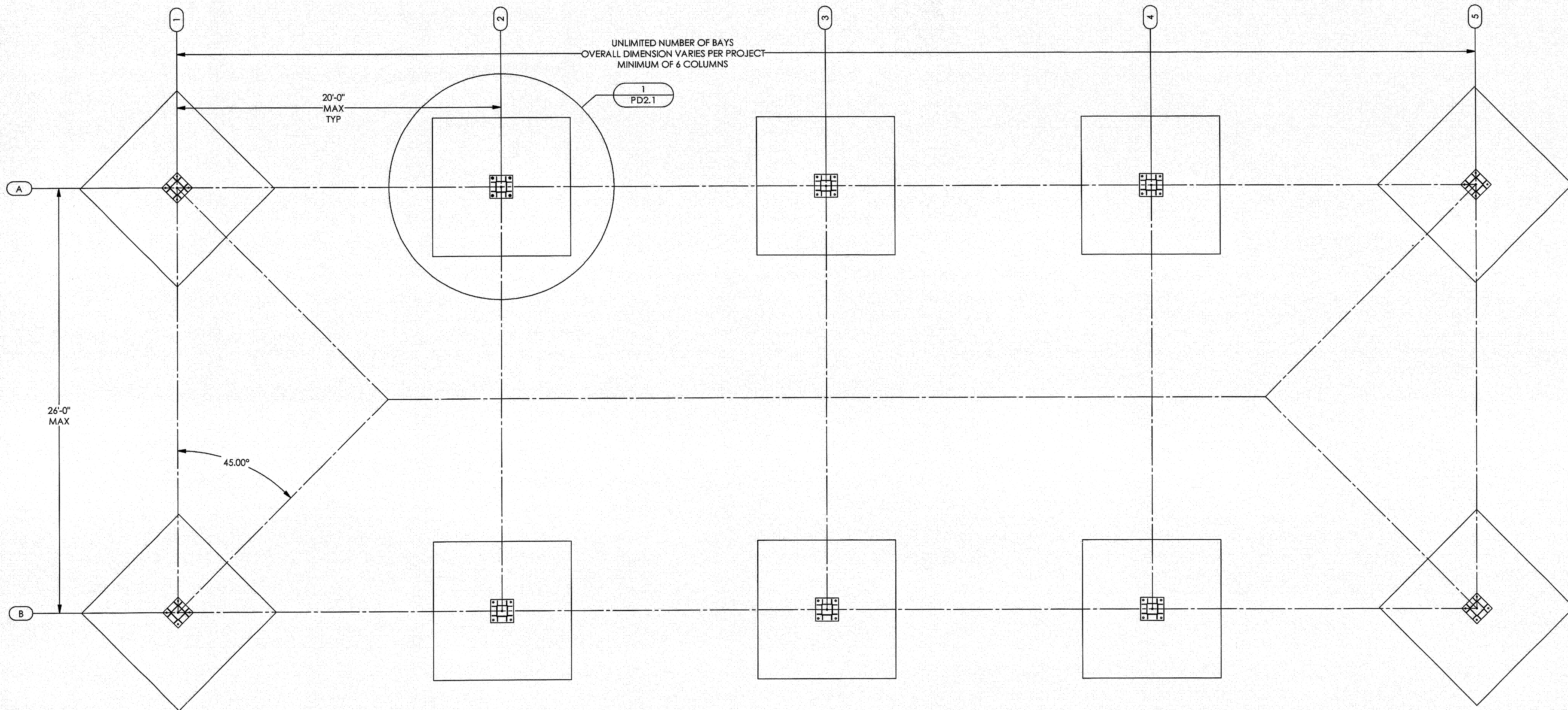
KEY to Columns
1 Type
2 Performed by
Continuous - Indicates that a continuous special inspection is required
Periodic - Indicates that a periodic special inspection is required
Test - Indicates that a test is required

Name of Architect or Engineer in general responsible charge: THOMAS A. BURKHART
Name of Structural Engineer (When structural design has been delegated): T.A. Burkhardt
Signature of Architect or Structural Engineer: [Signature]
Date: 5/28/14

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APP. # 02-113591
AC NA FLS NA SS
DATE

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03 118020
AC FLS SS
Date APR 18 2014

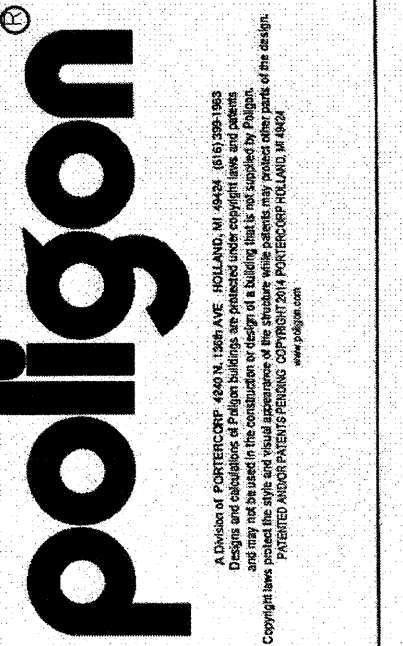
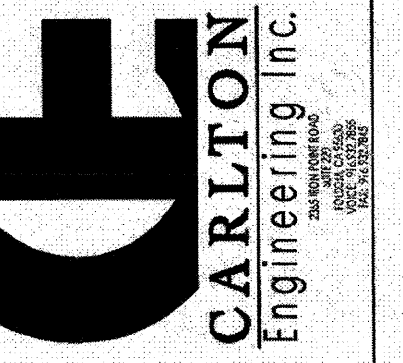
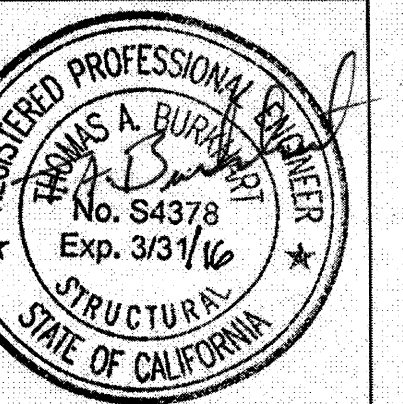
Professional Engineer Seal for Thomas A. Burkhardt, No. 54378, Exp. 3/31/16.
CARLTON Engineering Inc.
polygon logo
STATE APPROVALS stamp: 02 113591
PRE-CHECK (PC) DOCUMENT
CODE: 2013 CBC
A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRED.
SPECIAL INSPECTIONS
HIP ROOF (RAM) PC DRAWINGS
DRAWN BY: JMD
CHECKED BY: CE
POLYCON #: 51458
PD1.1



FOUNDATION PLAN (SPREAD PAD)
SCALE: 1/4" = 1'-0"

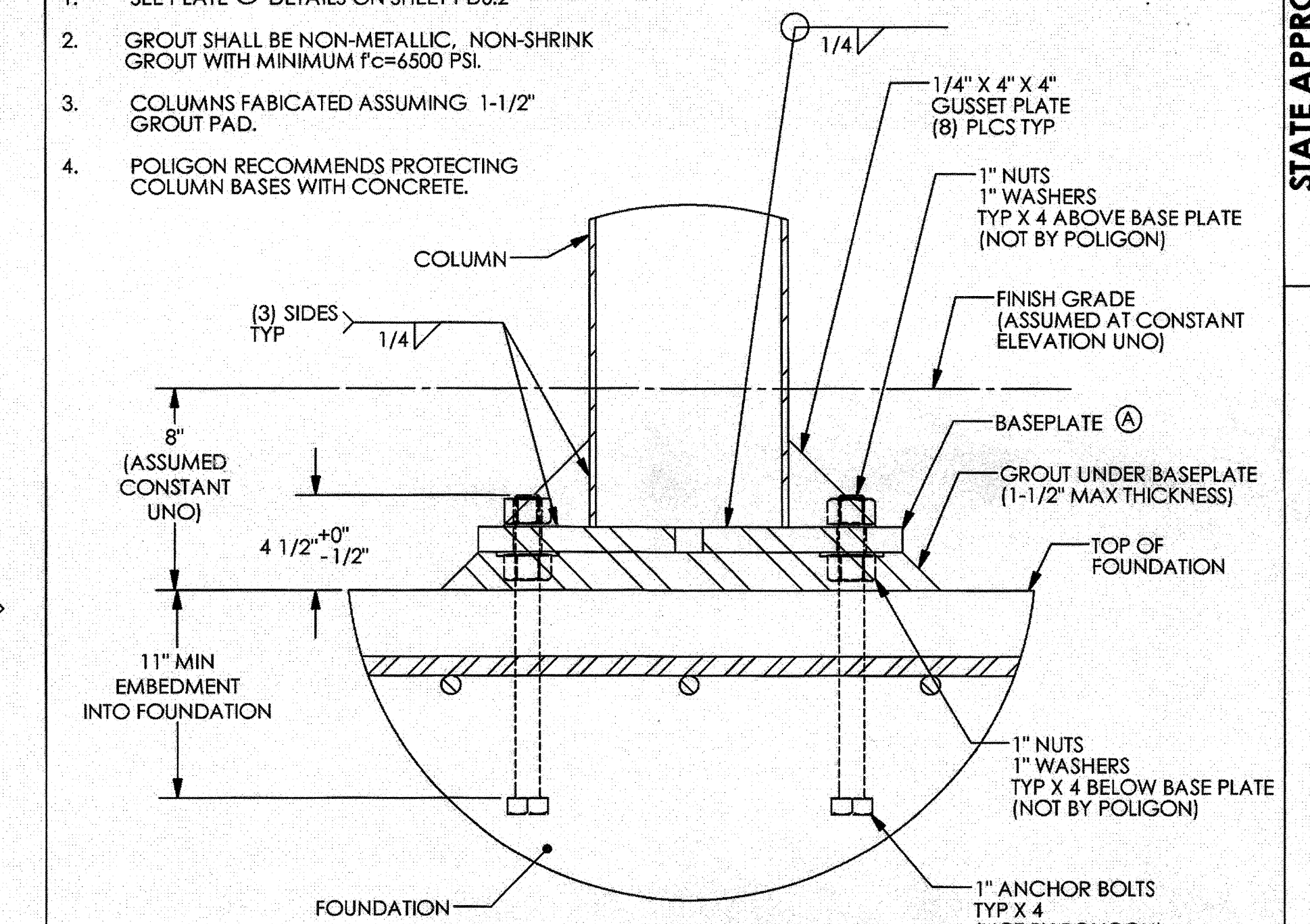
FOUNDATION PLAN NOTES:

1. TOP OF ALL FOUNDATIONS MUST BE CONSTRUCTED AT ONE COMMON ELEVATION (COORDINATE WITH SITE PLANS - NOT BY POLYGON)
2. ALL FOUNDATIONS MUST BE CENTERED UNDER COLUMNS (UNO).
3. SEE SHEET PD1.0 FOR CONCRETE REQUIREMENTS.
4. PRIOR TO FORMING AND CASTING FOUNDATIONS, REVIEW FOUNDATION PLAN FOR REQUIRED ORIENTATION.
5. FOUNDATION MATERIAL AND INSTALLATION NOT BY POLYGON.
6. VIBRATE CONCRETE FULL DEPTH OF FOUNDATION.
7. FOR DRILLED PIER FOUNDATIONS, PREVENT SOIL FROM ENTERING EXCAVATED HOLE (FORM, ETC).



NOTES:

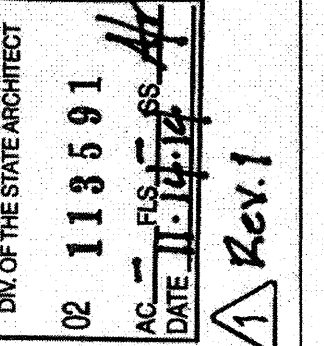
1. SEE PLATE (A) DETAILS ON SHEET PD4.2
2. GROUT SHALL BE NON-METALLIC, NON-SHRINK GROUT WITH MINIMUM $f_c=6500$ PSI.
3. COLUMNS FABRICATED ASSUMING 1-1/2" GROUT PAD.
4. POLYGON RECOMMENDS PROTECTING COLUMN BASES WITH CONCRETE.



COLUMN BASE PLATE AND ANCHOR BOLTS

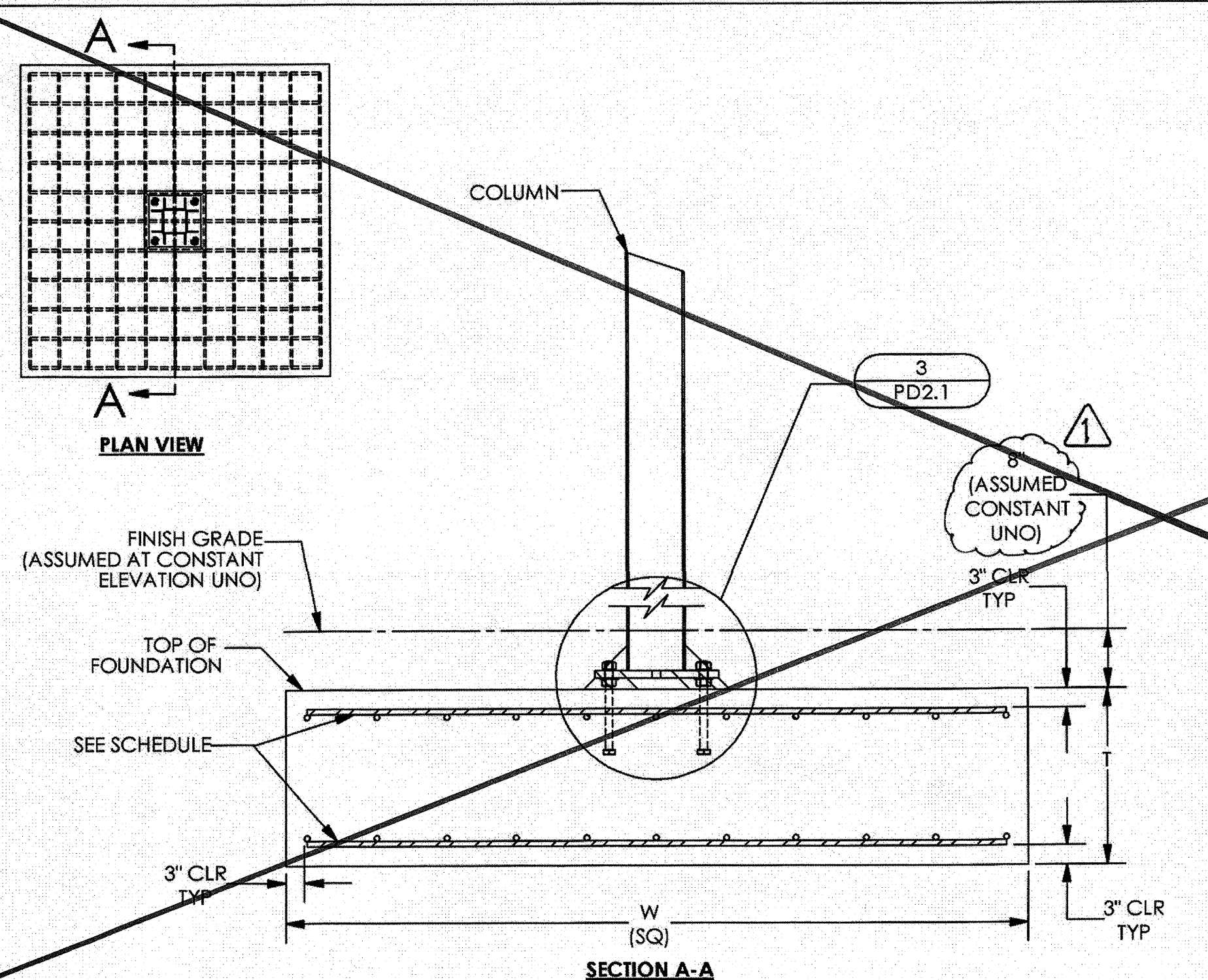
3

STATE APPROVALS



PRE-CHECK (PC) DOCUMENT

CODE: 2013 CBC
A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRED.



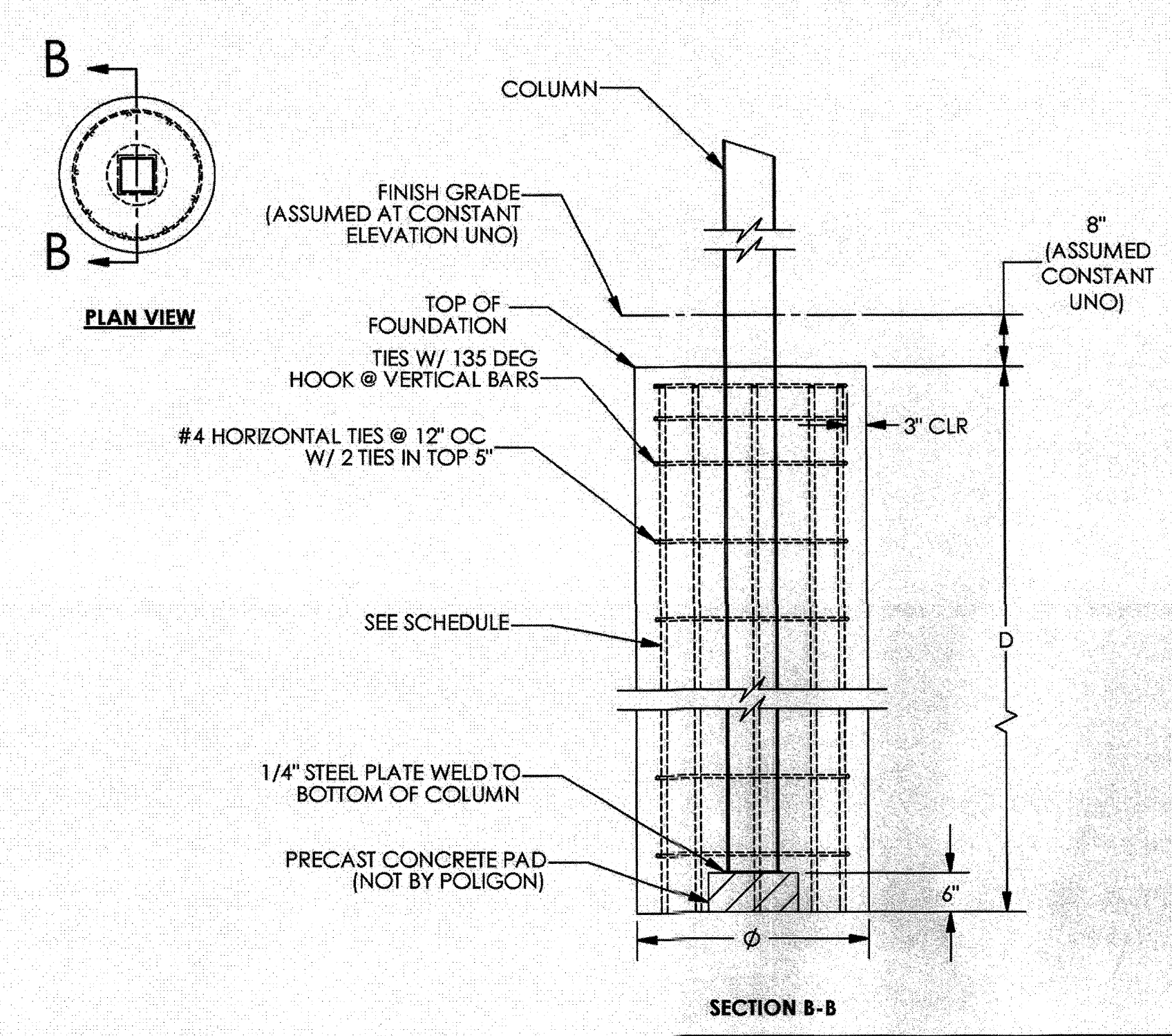
SPREAD PAD FOUNDATION

1

FOUNDATION REQUIREMENTS VARY PER PROJECT
SEE SHEET PD1.0 FOR REQUIRED LOAD SCENARIO AND FOUNDATION TYPE (STEP 6 OF 'INSTRUCTIONS')
ONLY REFERENCE COPY OF PC DRAWINGS SUBMITTED FOR THIS PROJECT

LOAD SCENARIO	WIDTH (W)	THICKNESS (T)	HORIZONTAL REINFORCING ¹	
			QTY	SIZE
1	6'-6"	2'-0"	8	#6
2	8'-0"	2'-0"	10	#6
3	9'-0"	2'-0"	11	#6
4	9'-6"	2'-0"	12	#6

¹ EQUALLY SPACED EACH WAY, TOP AND BOTTOM



DRILLED PIER FOUNDATION (BURIED COLUMN)

2

FOUNDATION REQUIREMENTS VARY PER PROJECT
SEE SHEET PD1.0 FOR REQUIRED LOAD SCENARIO AND FOUNDATION TYPE (STEP 6 OF 'INSTRUCTIONS')
ONLY REFERENCE COPY OF PC DRAWINGS SUBMITTED FOR THIS PROJECT

LOAD SCENARIO	DIAMETER (Ø)	DEPTH (D)	VERTICAL REINFORCING ¹	
			QTY	SIZE
1	2'-6"	10'-0"	8	#6
2	2'-6"	11'-6"	8	#6
3	2'-6"	12'-0"	8	#6
4	2'-6"	12'-0"	8	#6

¹ EQUALLY SPACED AROUND DRILLED PIER

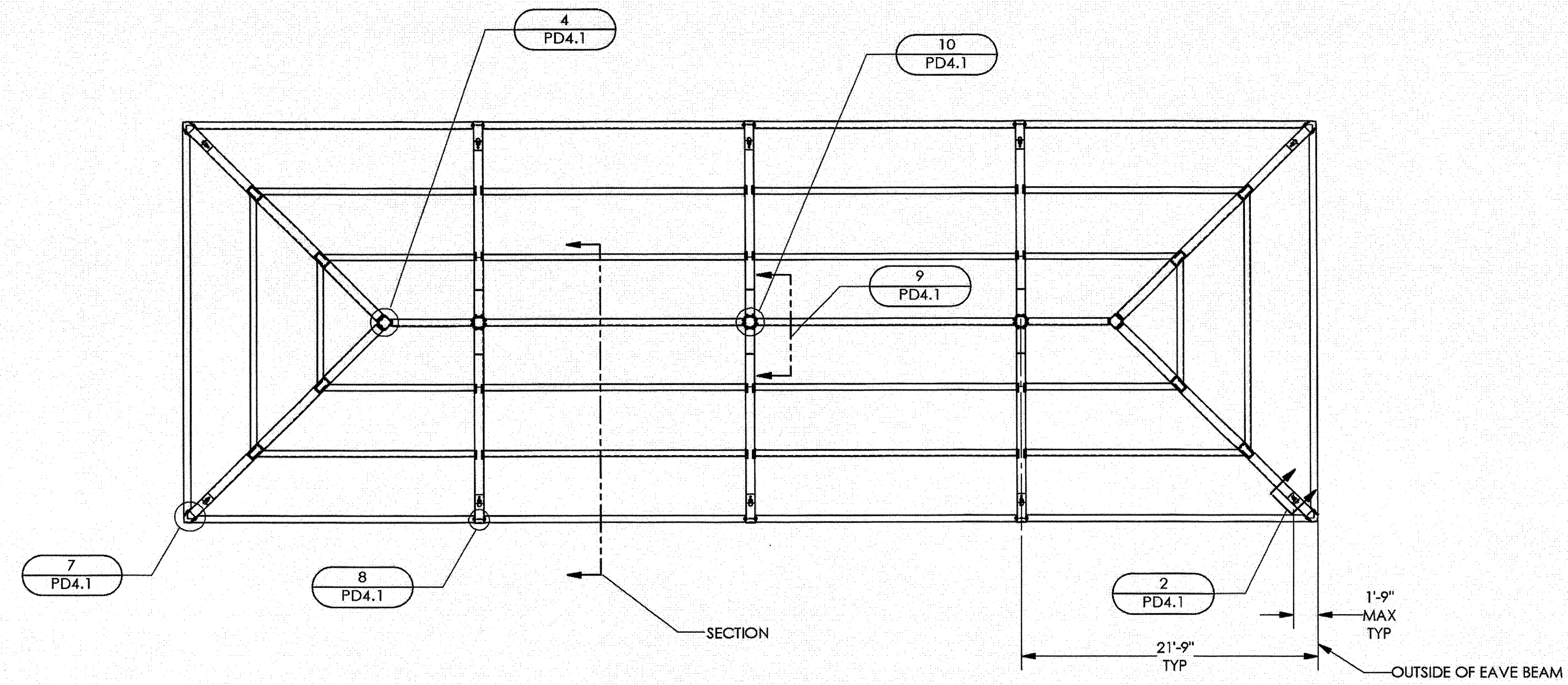
PRIOR TO CONCRETE PLACEMENT, POLYGON STRONGLY RECOMMENDS ERECTING ENOUGH OF THE FRAME (E.G. BEAMS AND PURLINS) TO ENSURE ACCURATE COLUMN SPACING, ROTATION, AND VERTICALITY.

FOUNDATION PLAN
RAM 30

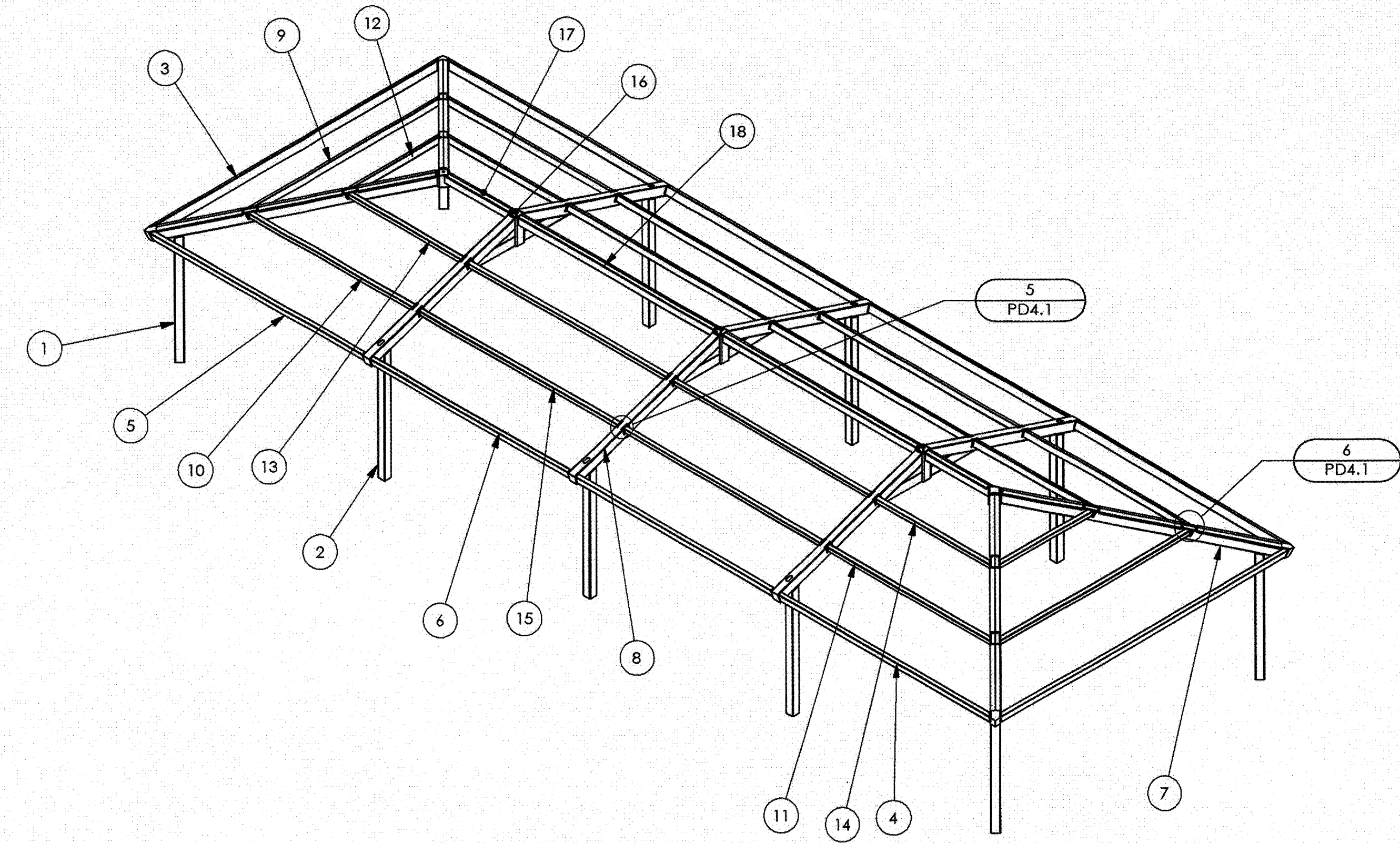
HIP ROOF (RAM)
PC DRAWINGS

DRAWN BY: JMD
CHECKED BY: CE
POLYGON #: 51498

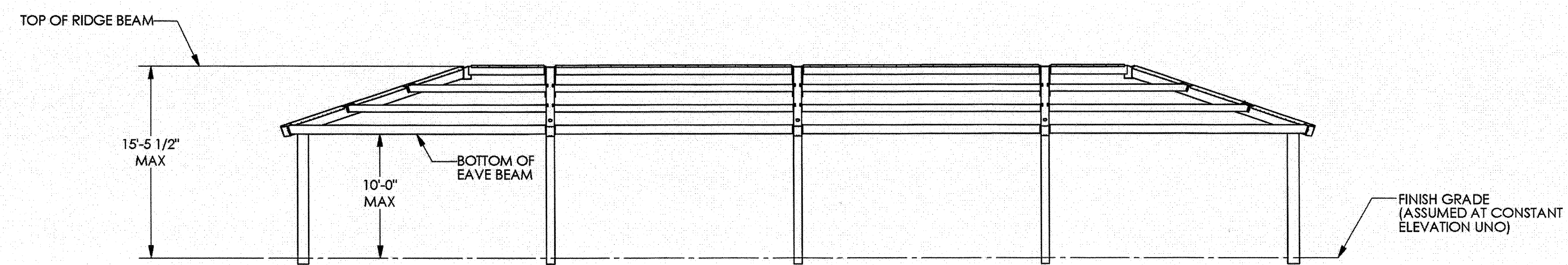
PD2.1



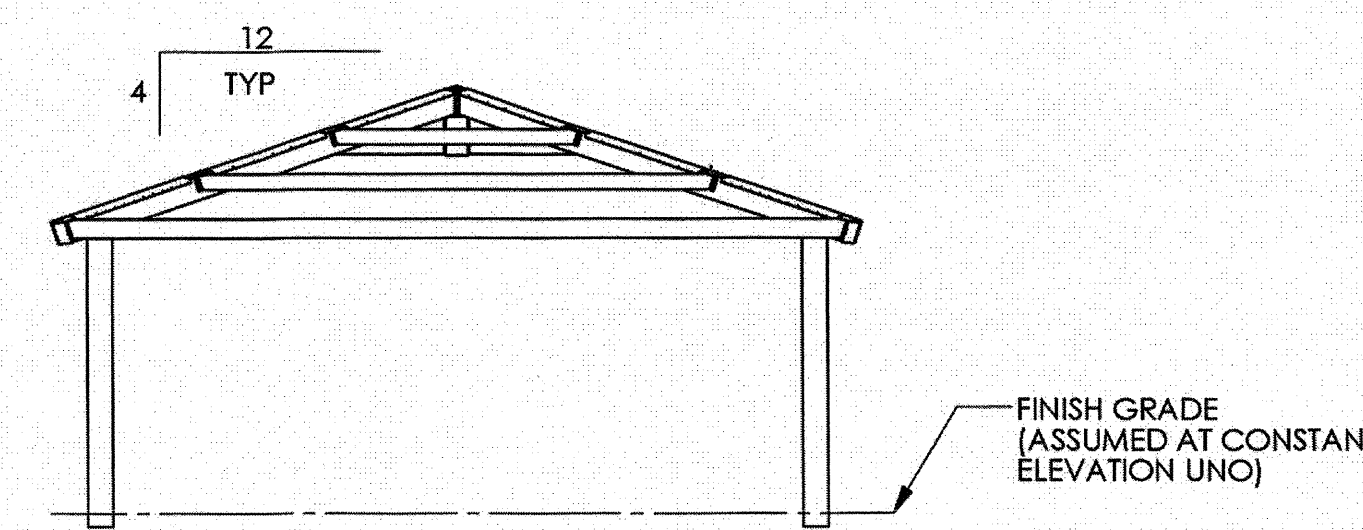
PLAN VIEW
SCALE: 1/8" = 1'-0"



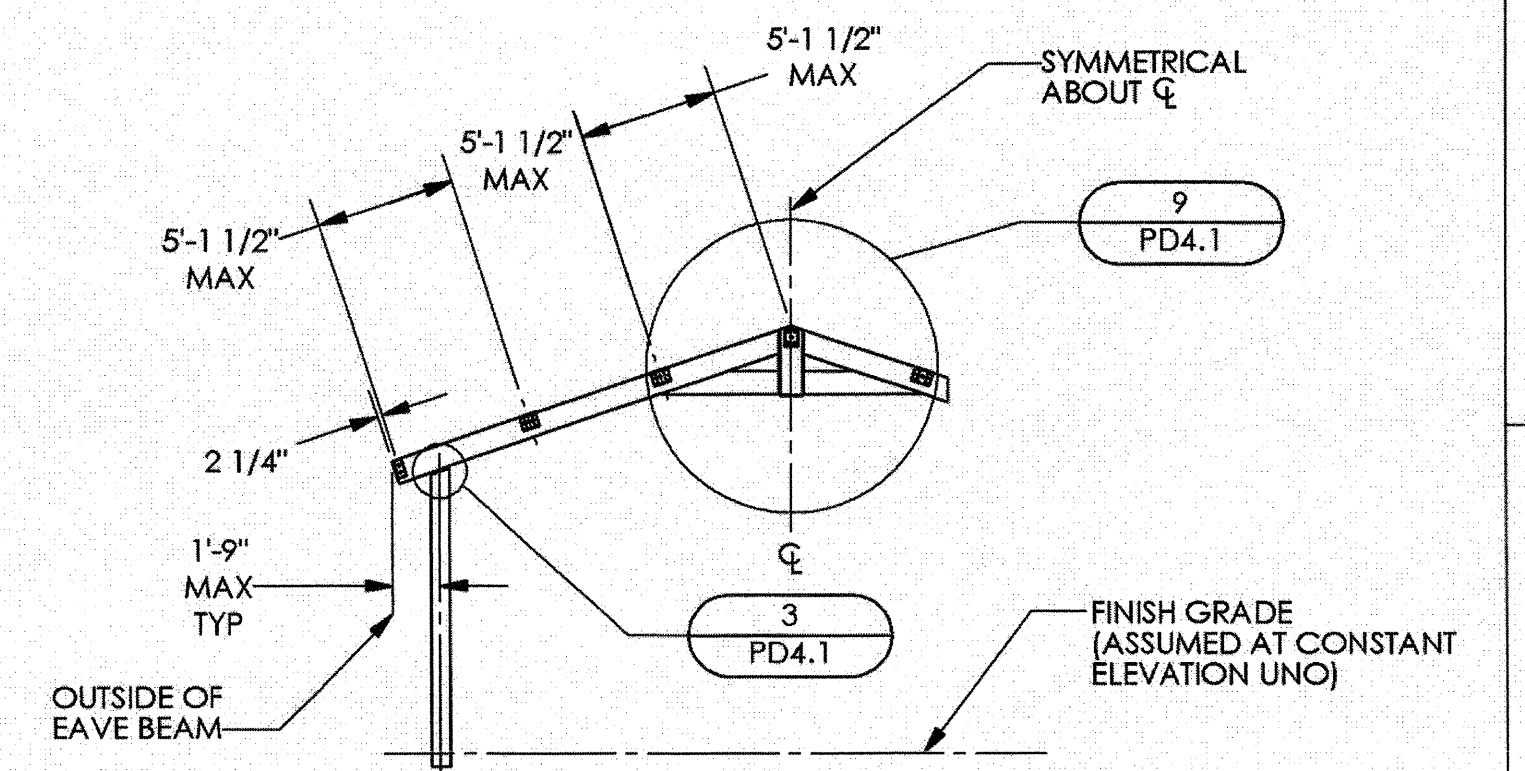
ISOMETRIC VIEW
SCALE: 1/8" = 1'-0"



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



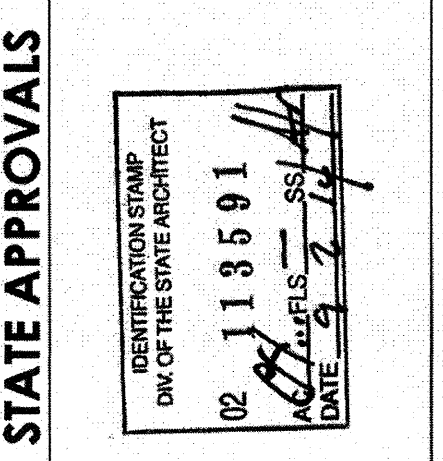
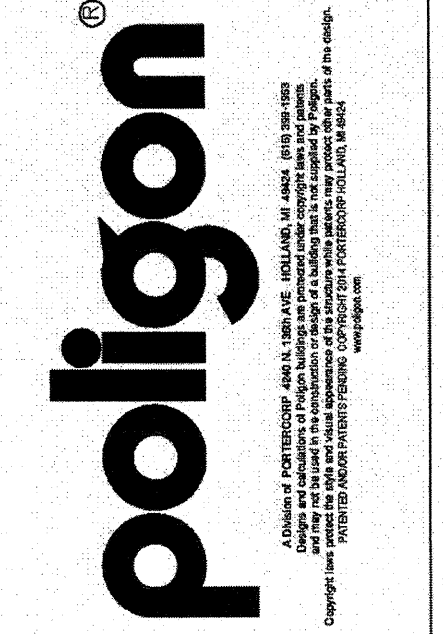
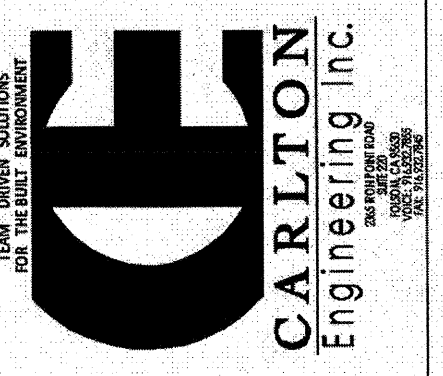
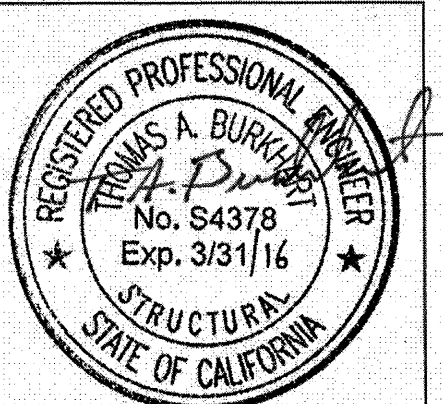
SIDE ELEVATION
SCALE: 1/8" = 1'-0"



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

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ITEM	FRAME / QTY.	PART NO.	DESCRIPTION	MATERIAL
18	2	-	RIDGE BEAM ASM, MID	HSS8X6X3/16
17	2	-	RIDGE BEAM ASM, END	HSS8X6X3/16
16	3	-	COMPRESSION TUBE ASM	HSS10X10X5/8
15	8	-	PURLIN ASM, SIDE	HSS6X4X3/16
14	2	-	PURLIN ASM, RH UPPER	HSS6X4X3/16
13	2	-	PURLIN ASM, LH UPPER	HSS6X4X3/16
12	2	-	PURLIN ASM, END UPPER	HSS6X4X3/16
11	2	-	PURLIN ASM, RH LOWER	HSS6X4X3/16
10	2	-	PURLIN ASM, LH LOWER	HSS6X4X3/16
9	2	-	PURLIN ASM, END LOWER	HSS6X4X3/16
8	6	-	GABLE BEAM ASM	HSS10X8X1/4
7	4	-	HIP BEAM ASM	HSS10X8X1/4
6	4	-	EAVE BEAM ASM, SIDE	HSS8X4X3/16
5	2	-	EAVE BEAM ASM, RH	HSS8X4X3/16
4	2	-	EAVE BEAM ASM, LH	HSS8X4X3/16
3	2	-	EAVE BEAM ASM, END	HSS8X4X3/16
2	6	-	COLUMN ASM, SIDE	HSS8X8X1/4
1	4	-	COLUMN ASM, CORNER	HSS8X8X1/4

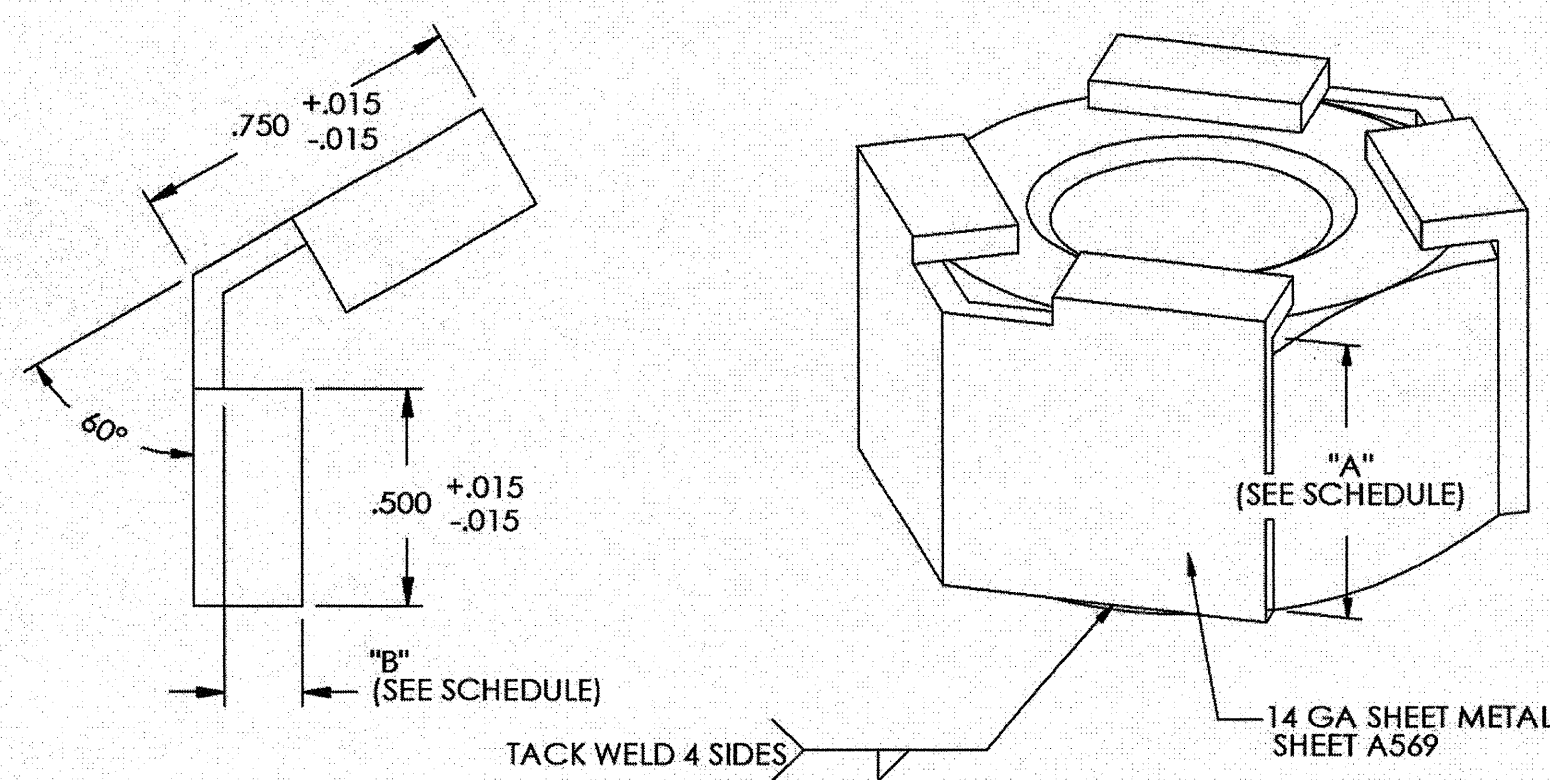


PRE-CHECK (PC) DOCUMENT
CODE: 2013 CBC
A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRED.

FRAMING PLAN
RAM 30
HIP ROOF (RAM)
PC DRAWINGS
DRAWN BY: JMD
CHECKED BY: CE
POLYGON #: 51458

PD3.1

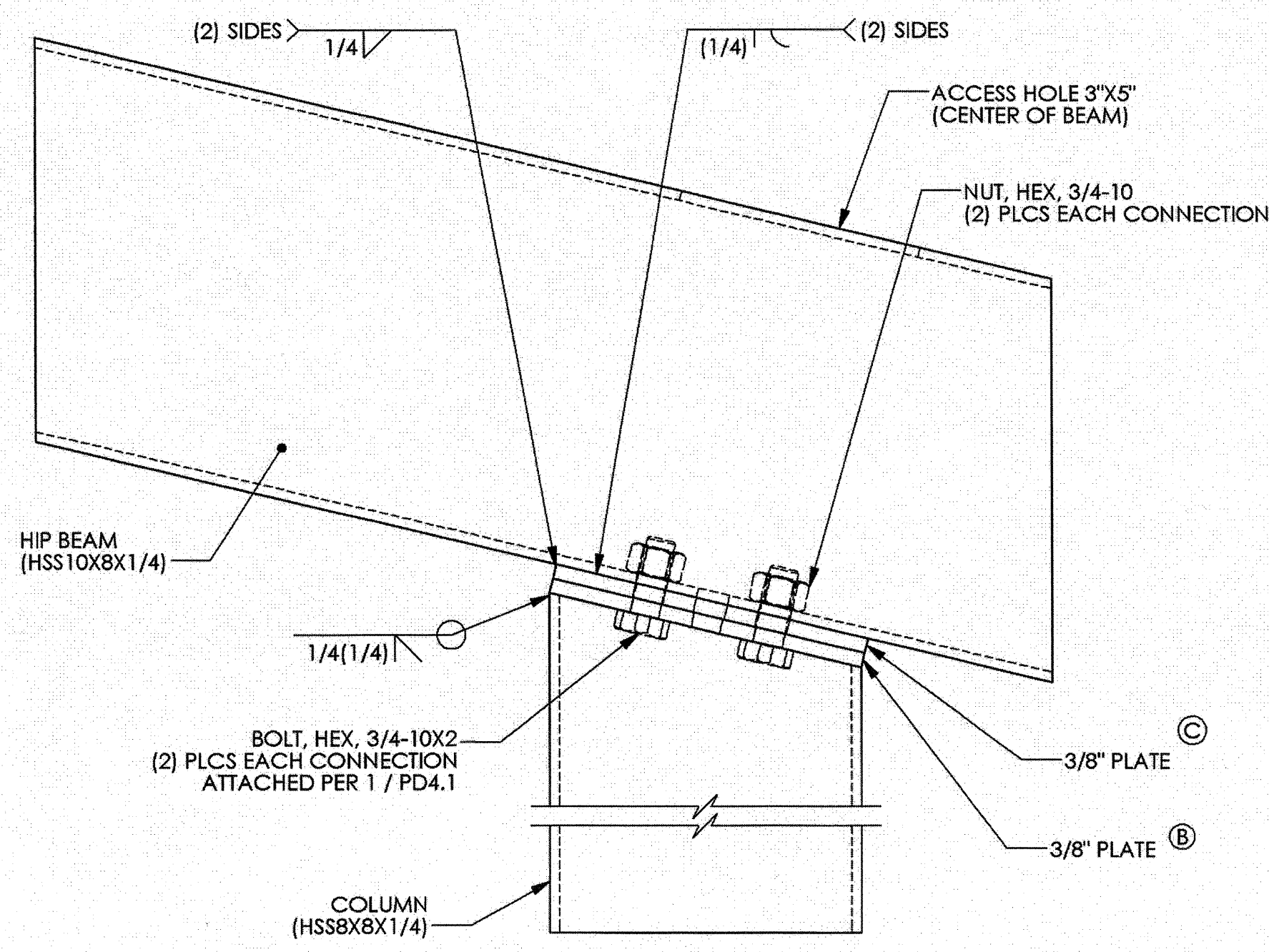
ALL HIDDEN NUTS AND BOLTS (INSTALLED IN SHOP DURING FABRICATION) ARE SECURED WITH THIS NUT AND BOLT RESTRAINING SYSTEM.



FASTENER	DIM A	DIM B
5/8" NUT	.631 +.000 -.015	.180 +.015 -.015
5/8" BOLT	.403 +.000 -.015	.250 +.015 -.015
3/4" NUT	.758 +.000 -.015	.180 +.015 -.015
3/4" BOLT	.483 +.000 -.015	.375 +.015 -.015
1" NUT	1.012 +.000 -.015	.180 +.015 -.015
1" BOLT	.643 +.000 -.015	.375 +.015 -.015

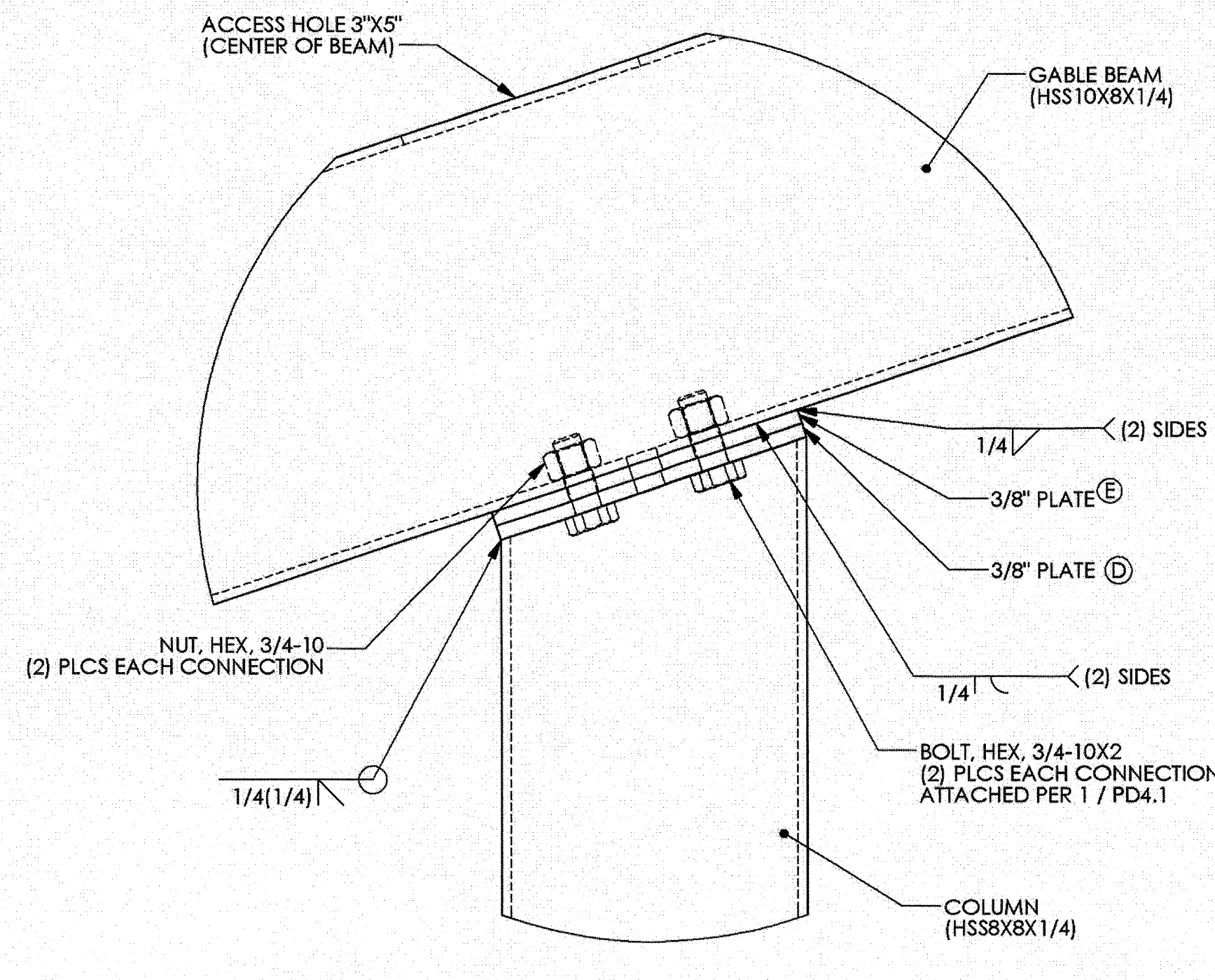
NUT & BOLT RESTRAINING SYSTEM

1



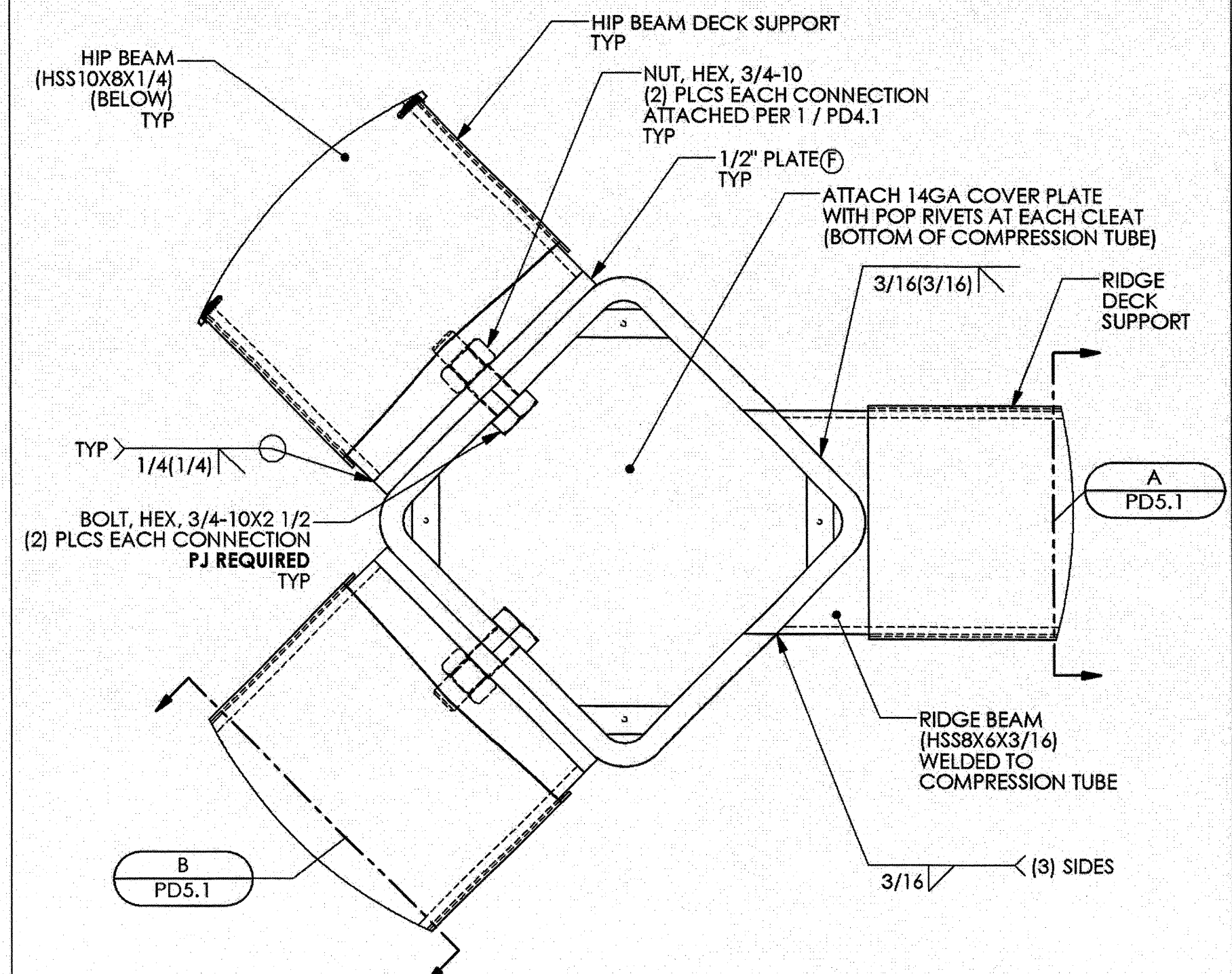
HIP BEAM CONNECTION @ COLUMN

2



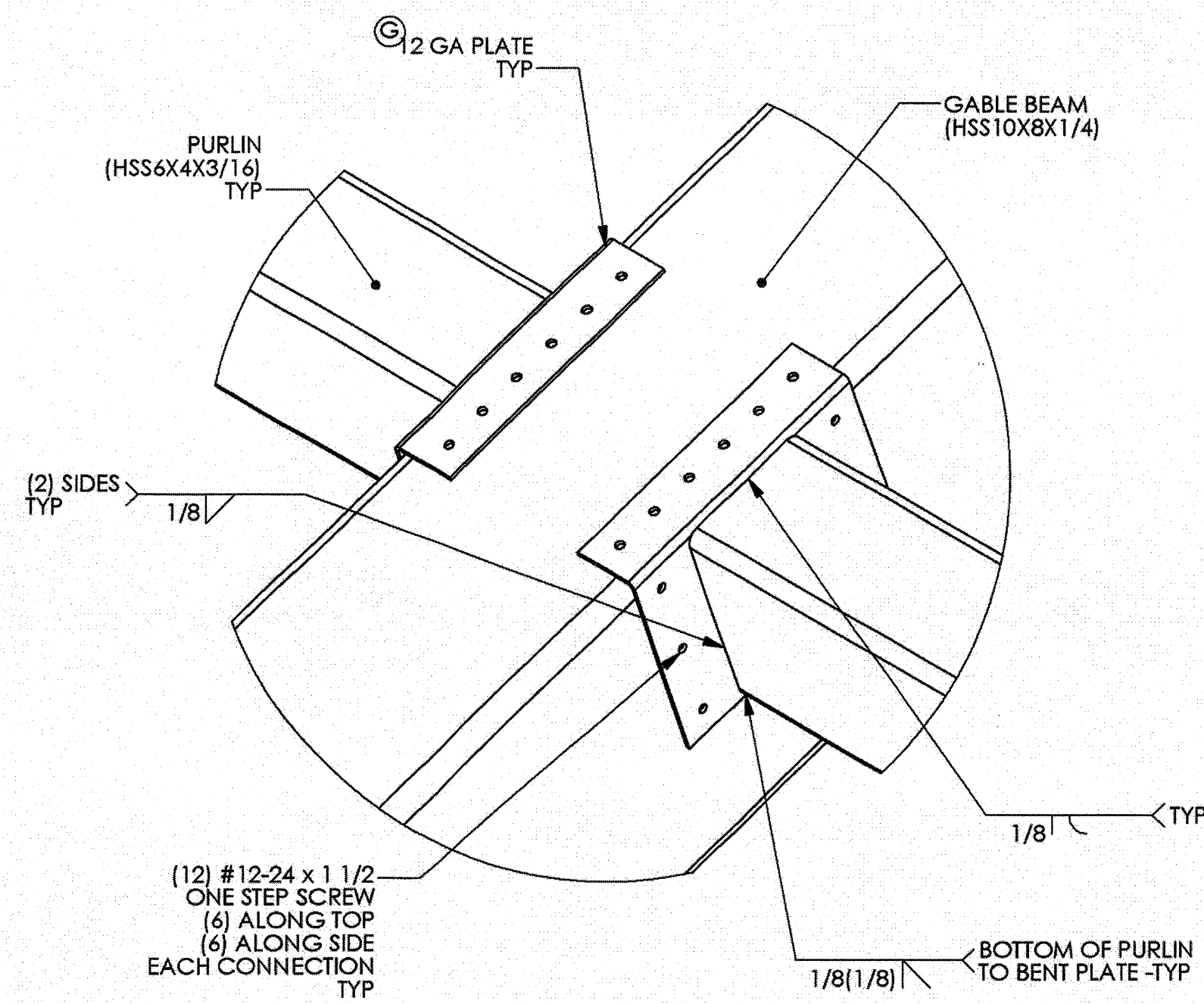
GABLE BEAM CONNECTION @ COLUMN

3



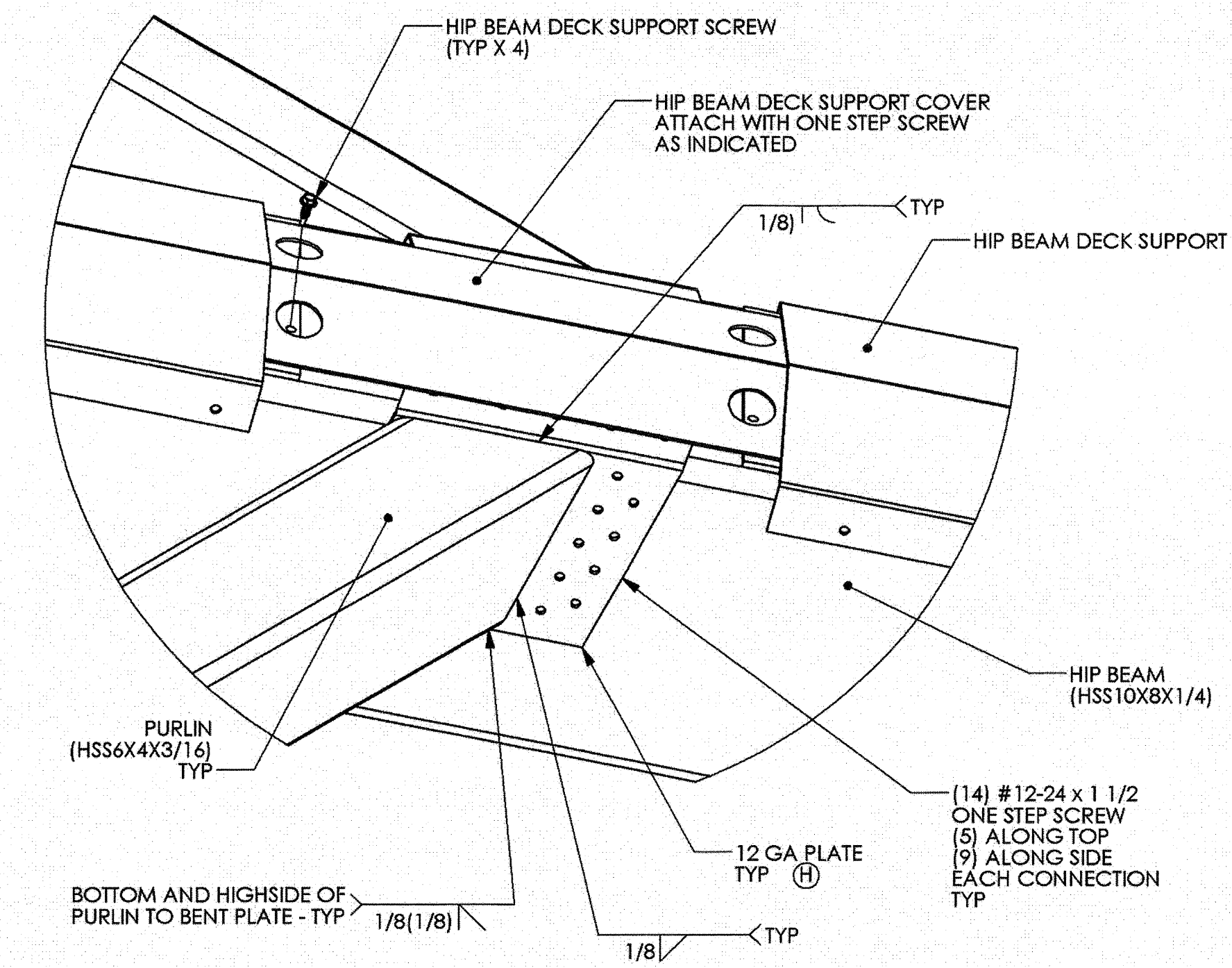
HIP BEAM CONNECTION @ COMPRESSION TUBE

4



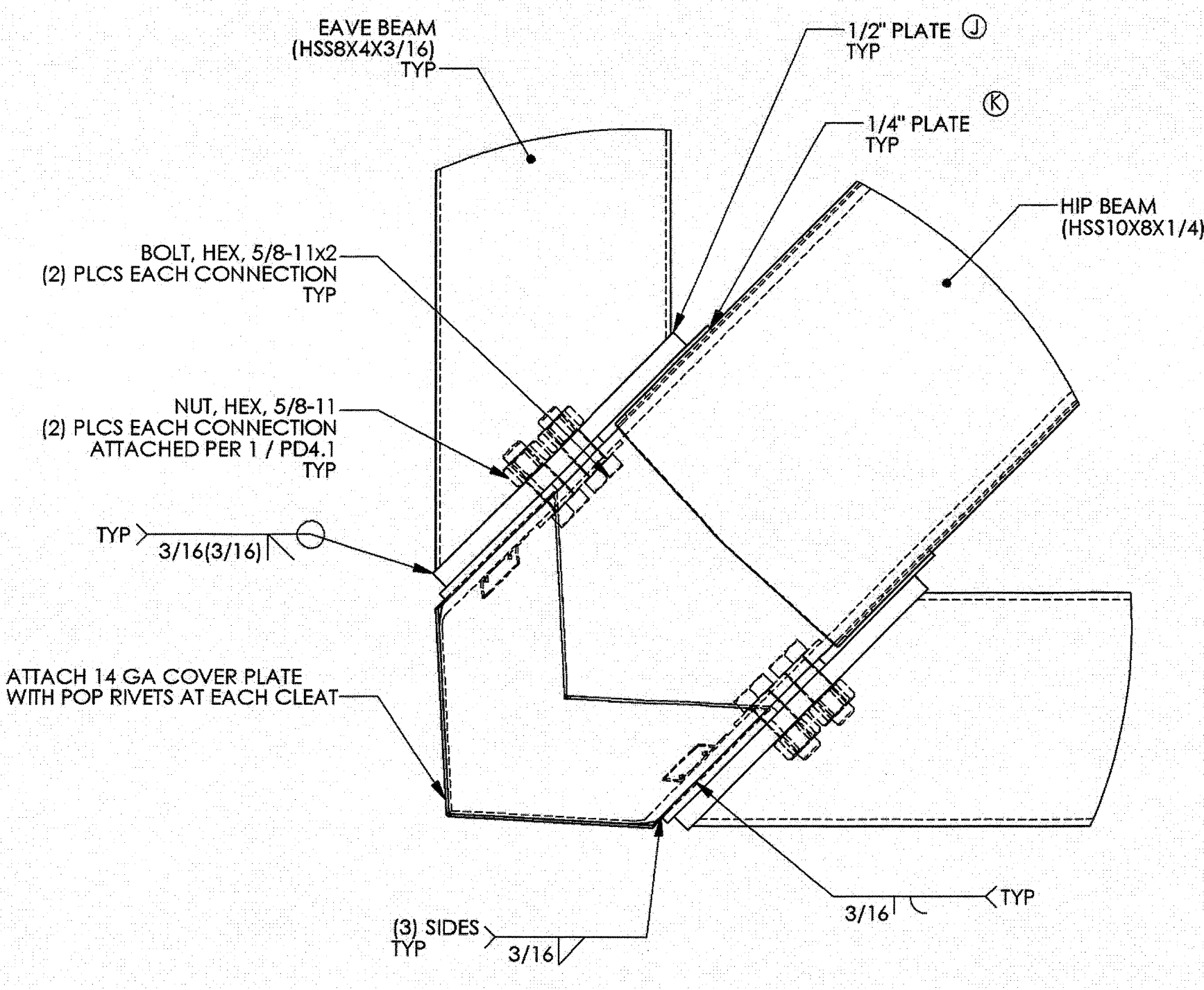
PURLIN CONNECTION @ GABLE BEAM

5



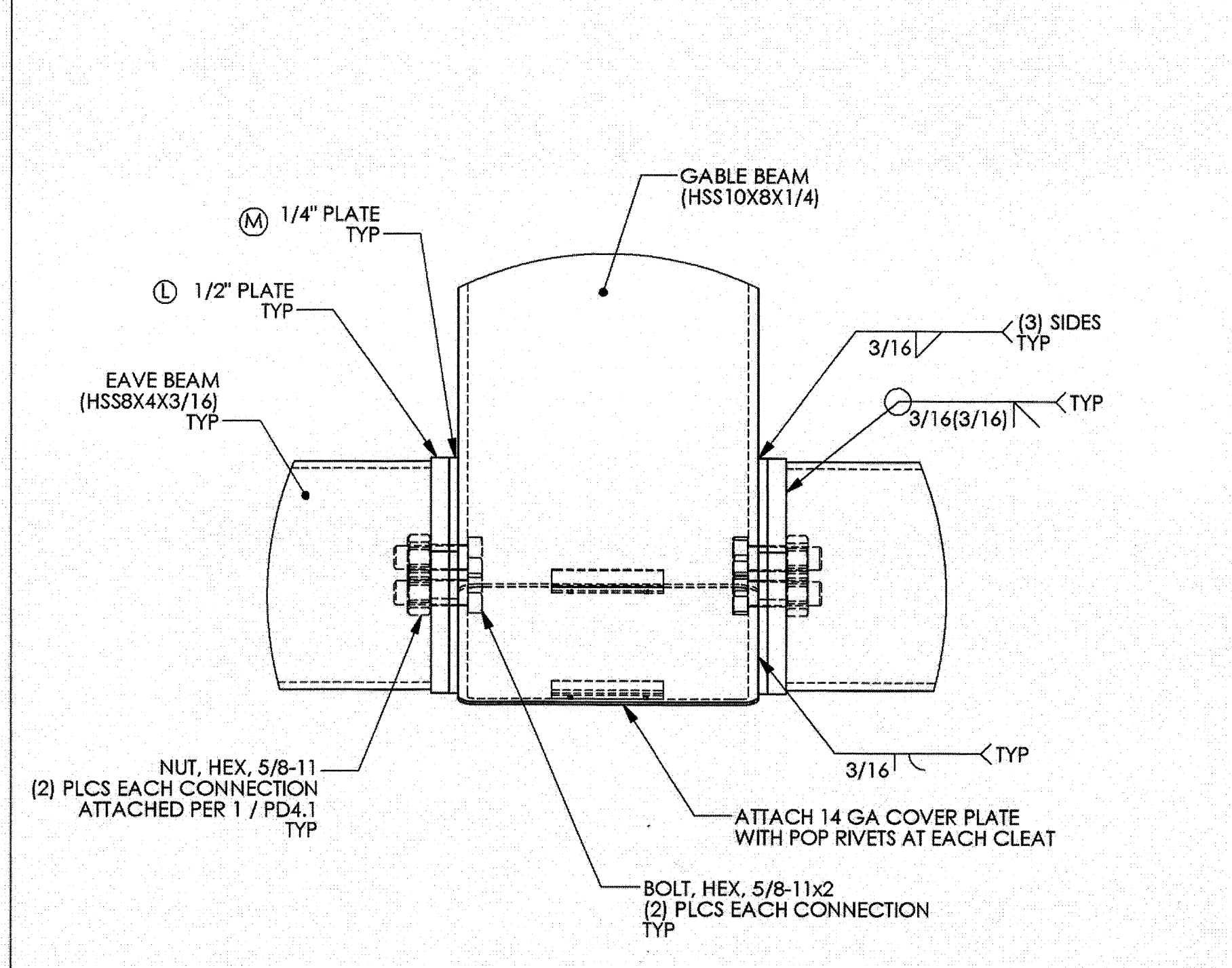
PURLIN CONNECTION @ HIP BEAM

6



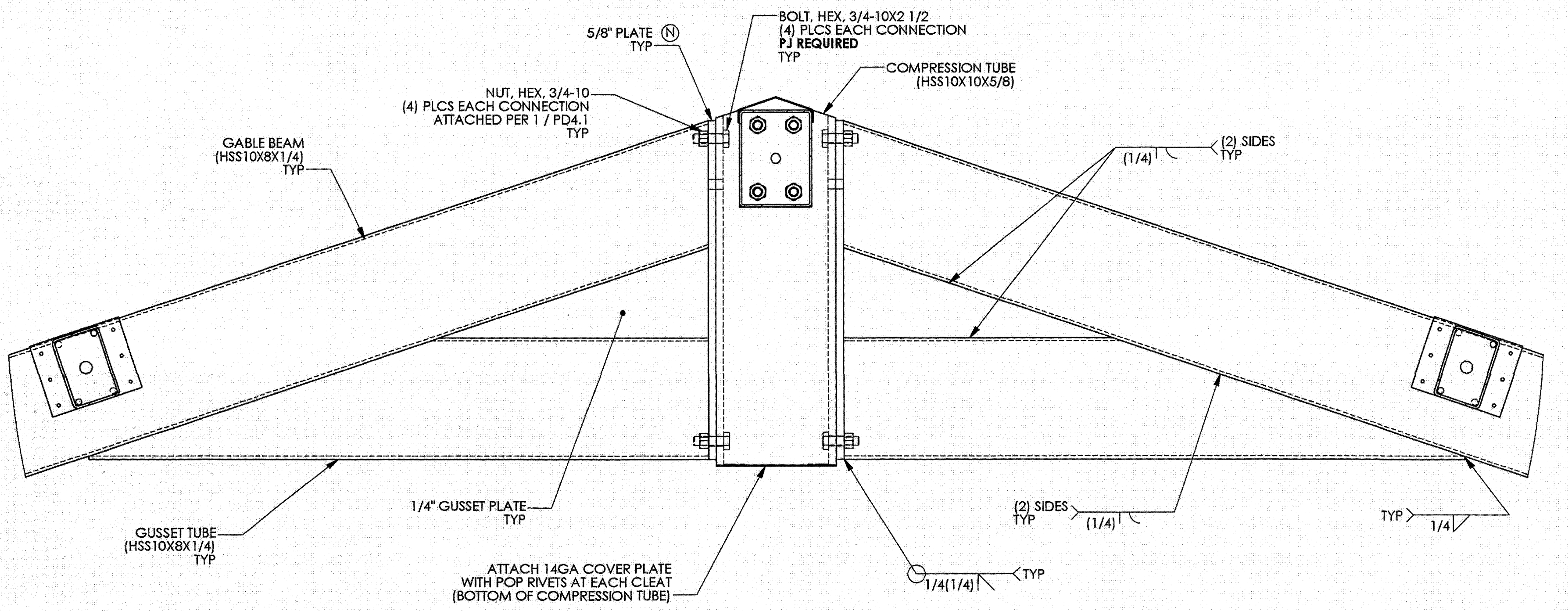
EAVE BEAM CONNECTION @ HIP BEAM

7



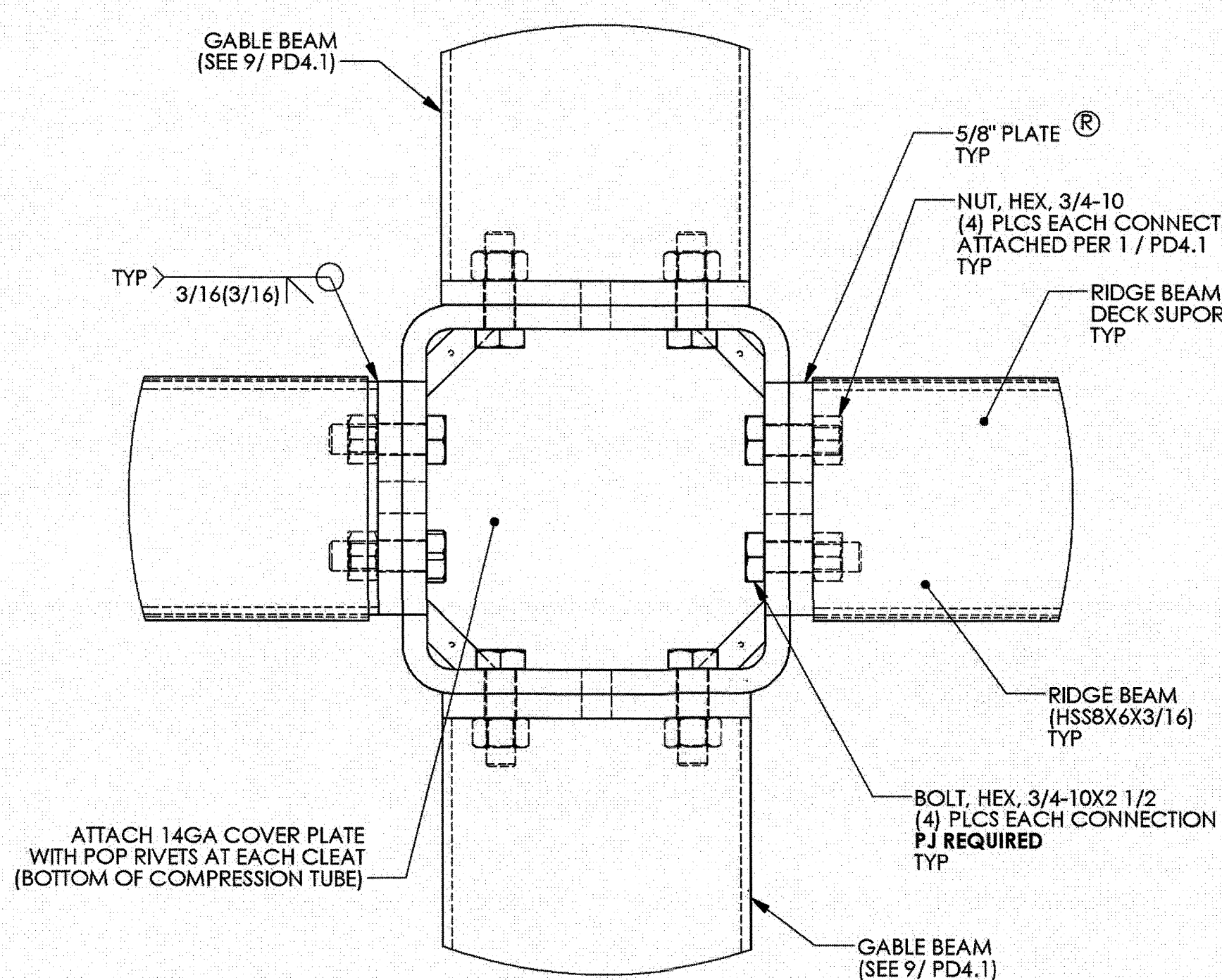
EAVE BEAM CONNECTION @ GABLE BEAM

8



GABLE BEAM CONNECTION @ COMPRESSION TUBE

9



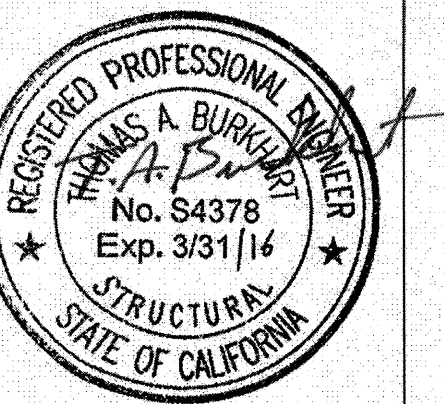
RIDGE BEAM CONNECTION @ COMPRESSION TUBE

10

FRAME CONNECTION DETAIL NOTES:

- SEE SECTIONS ON SHEET PD5.1.
- SEE PLATE (2) DETAILS ON SHEET PD6.2 AND PD6.3
- COVER ACCESS HOLES WITH GRACE ICE AND WATER SHIELD BEFORE ATTACHING ROOF DECK.

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poligon
Engineering Inc.

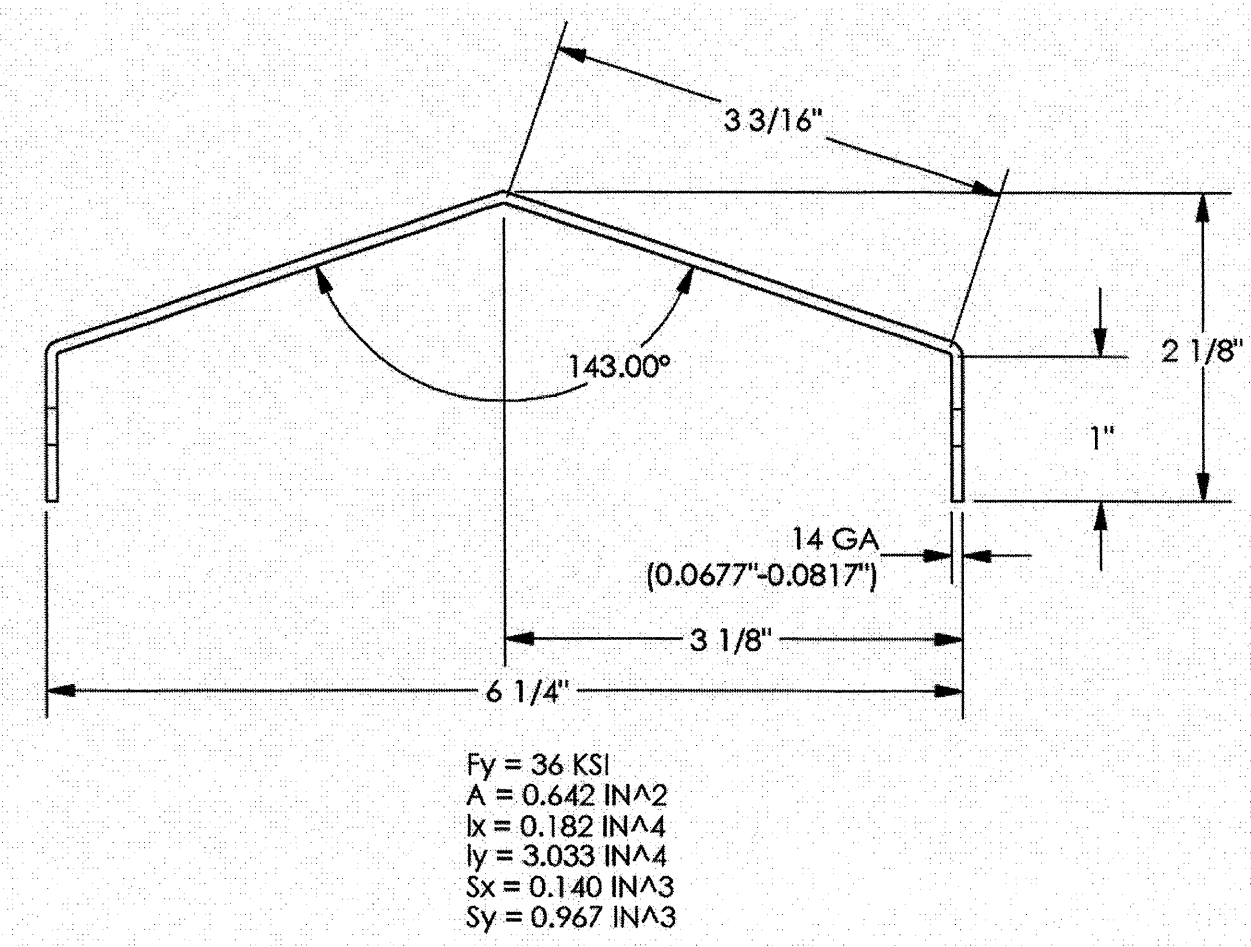
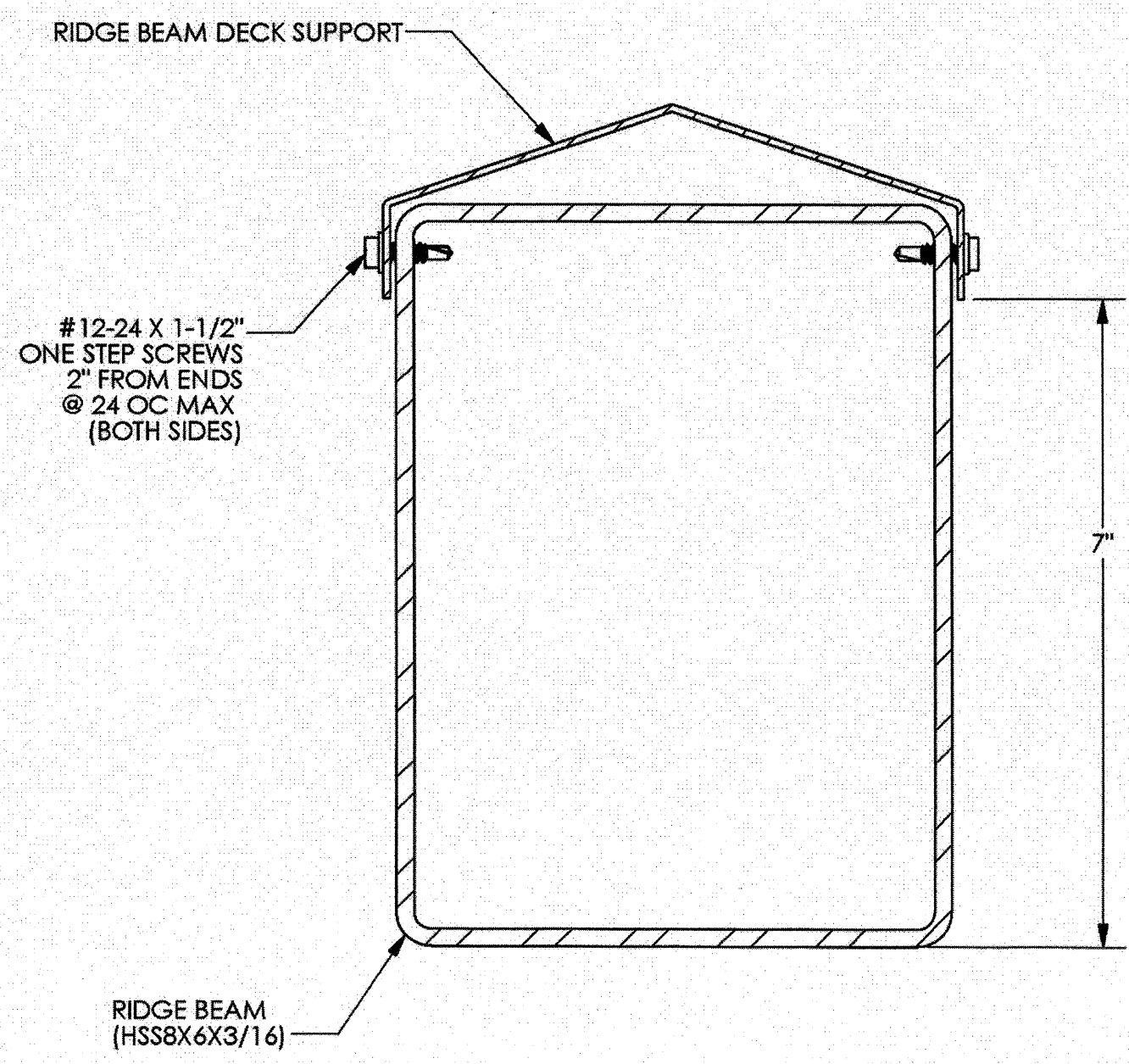
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DATE 4 1 17

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CODE: 2013 CBC
A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRED.

FRAME CONNECTION DETAILS
RAM 30
HIP ROOF (RAM)
PC DRAWINGS

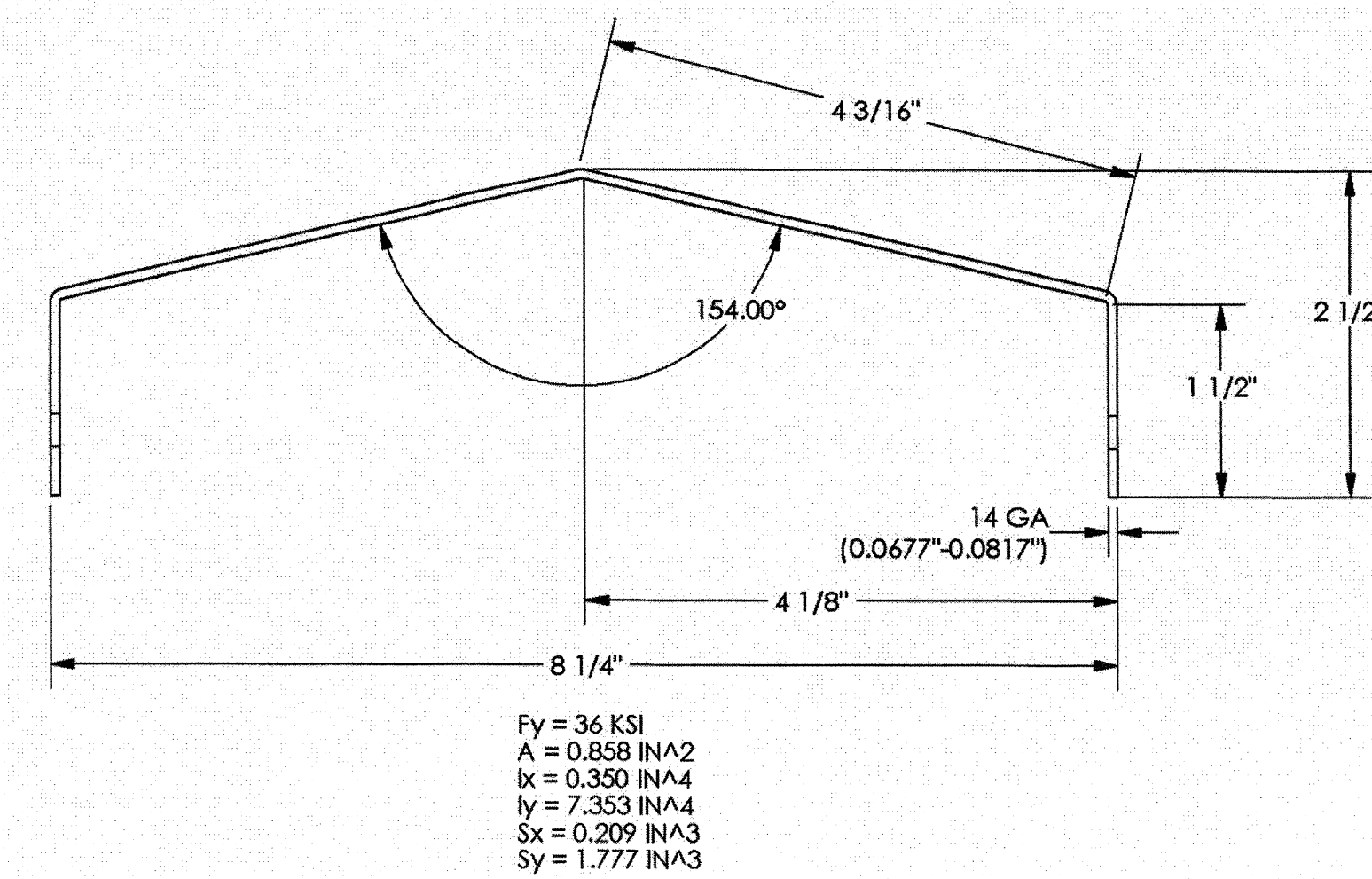
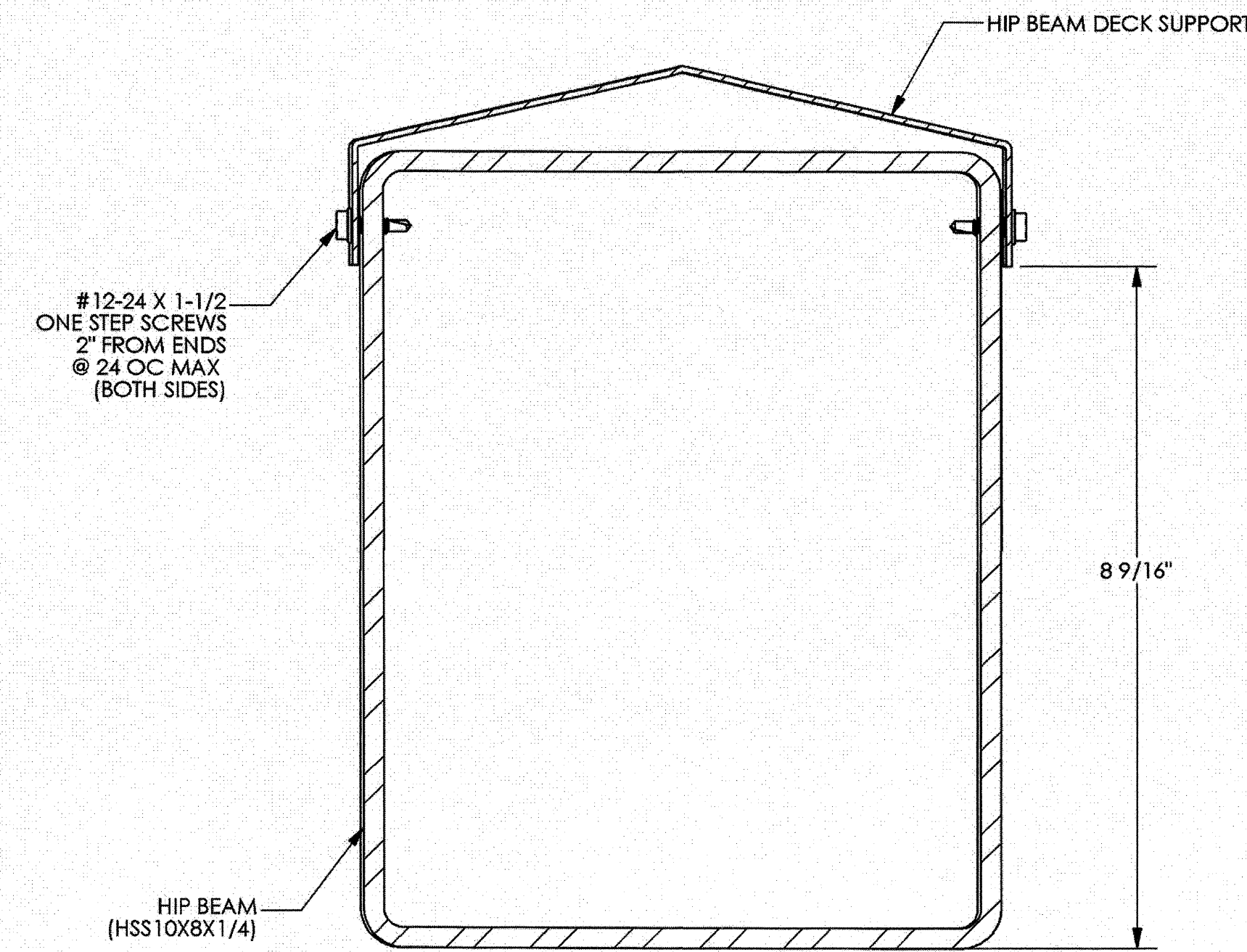
DRAWN BY: JMD
CHECKED BY: CE
POLYGON # 51458

PD4.1



RIDGE BEAM DECK SUPPORT

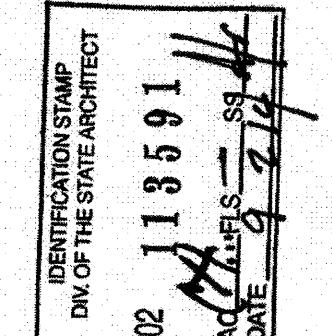
A



HIP BEAM DECK SUPPORT

B

STATE APPROVALS



PRE-CHECK (PC) DOCUMENT

CODE: 2013 CBC
A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRED.

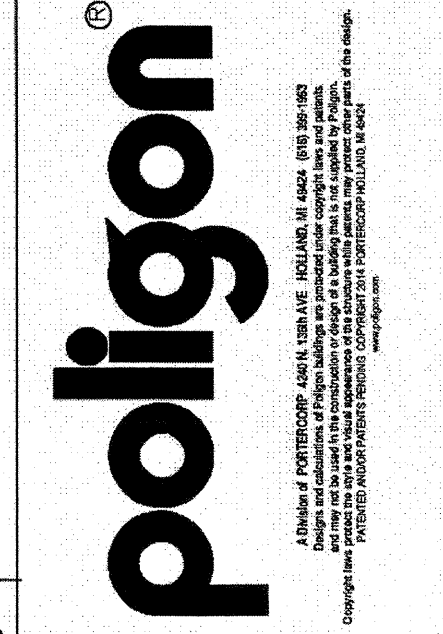
SECTION DETAILS
RAM 30

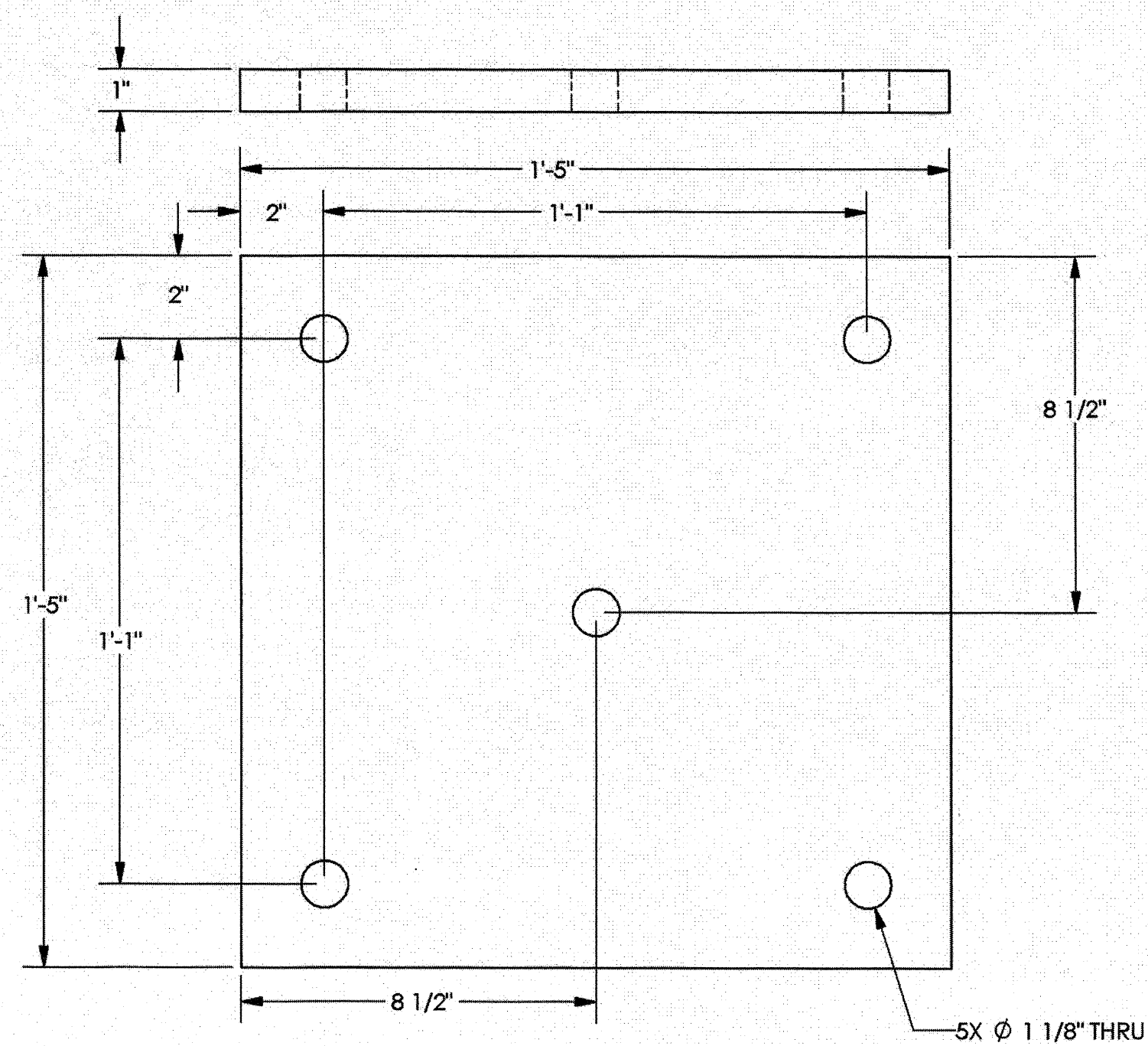
HIP ROOF (RAM)
PC DRAWINGS

DRAWN BY: JMD
CHECKED BY: CE
POLYGON #: 51459

PD5.1

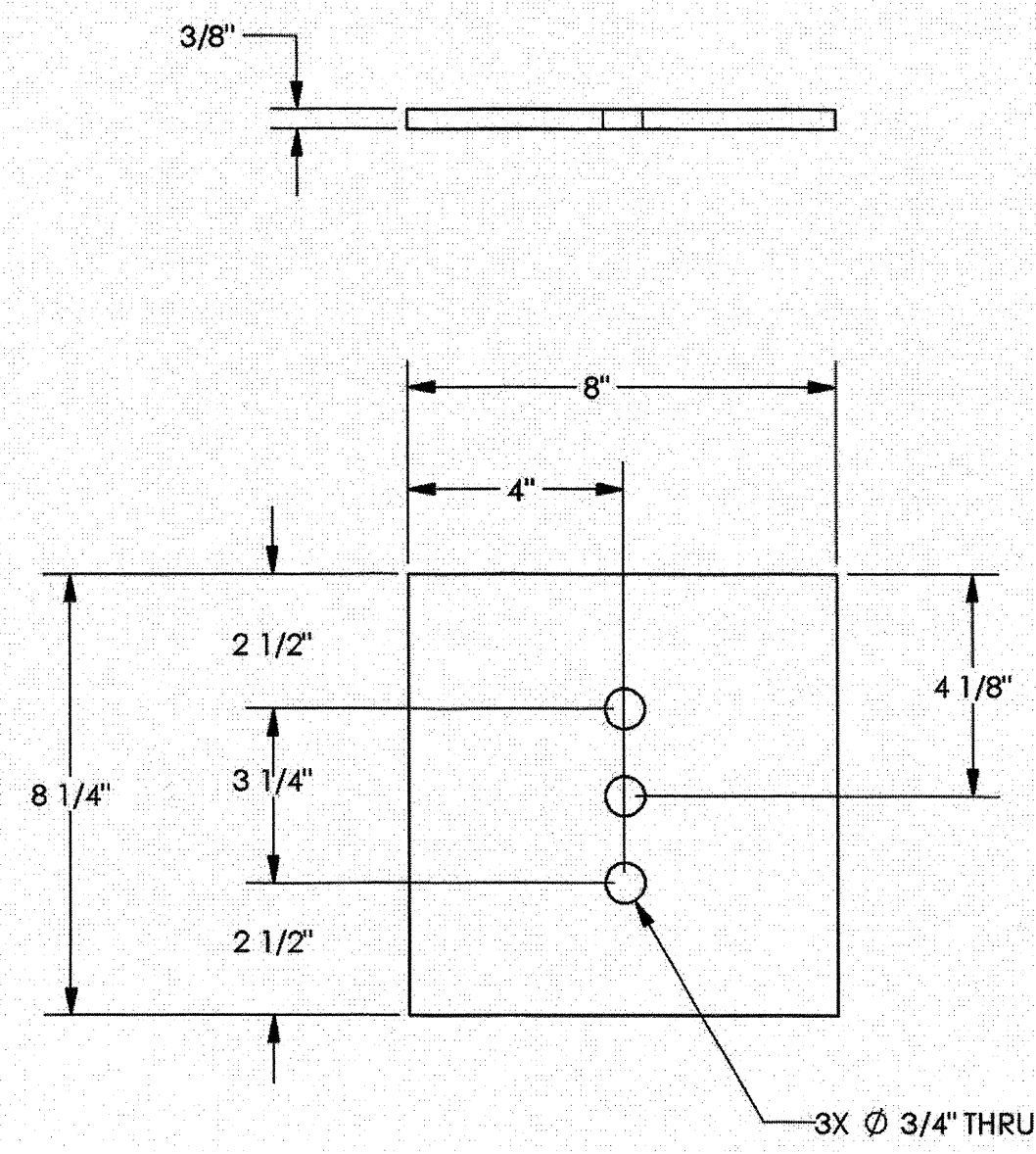
IDENTIFICATION STAMP
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Date APR 19 2017





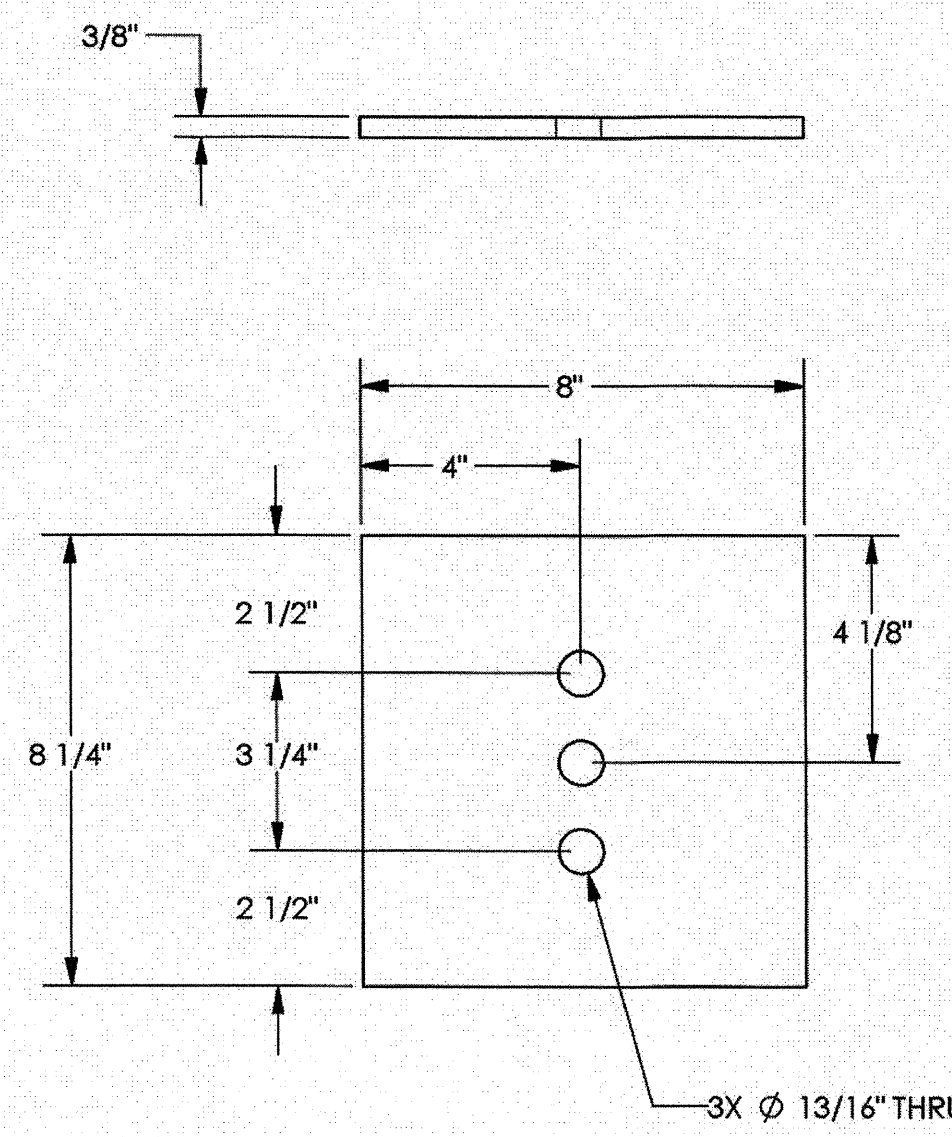
PLATE

A



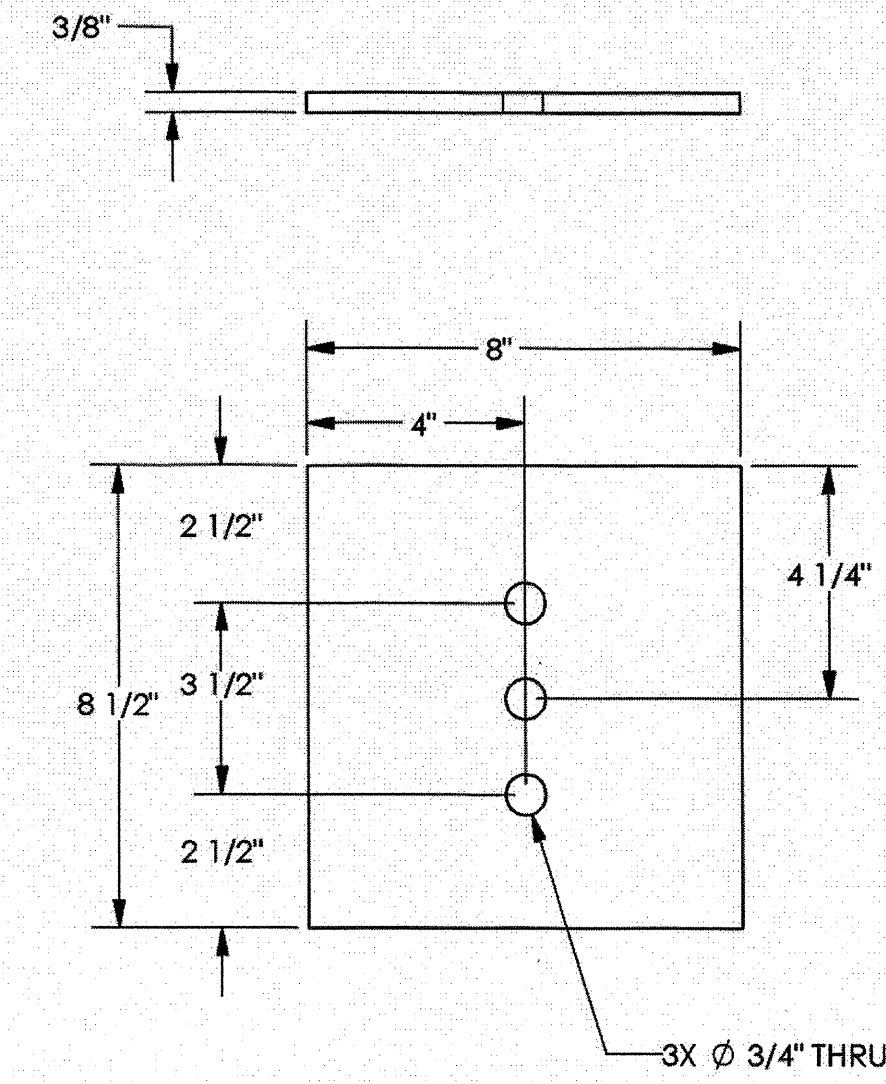
PLATE

B



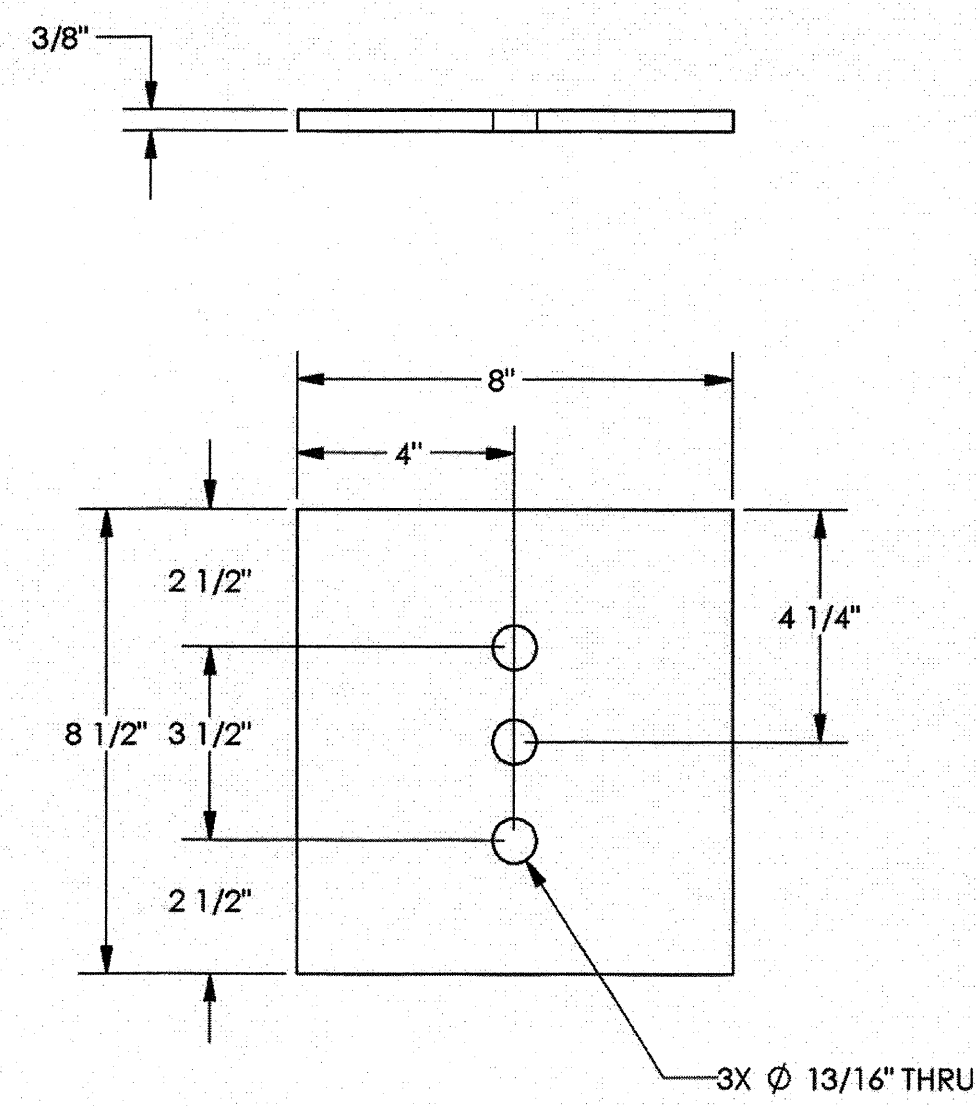
PLATE

C



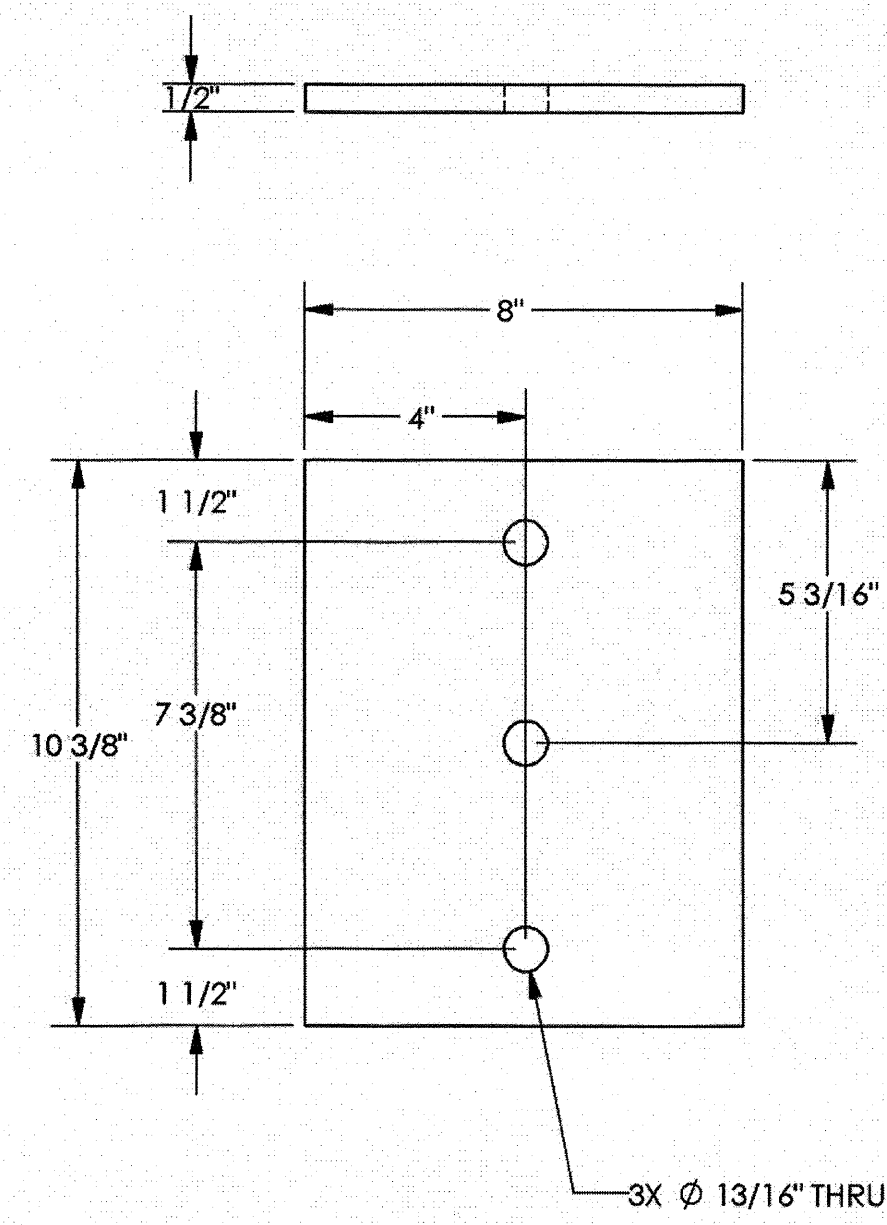
PLATE

D



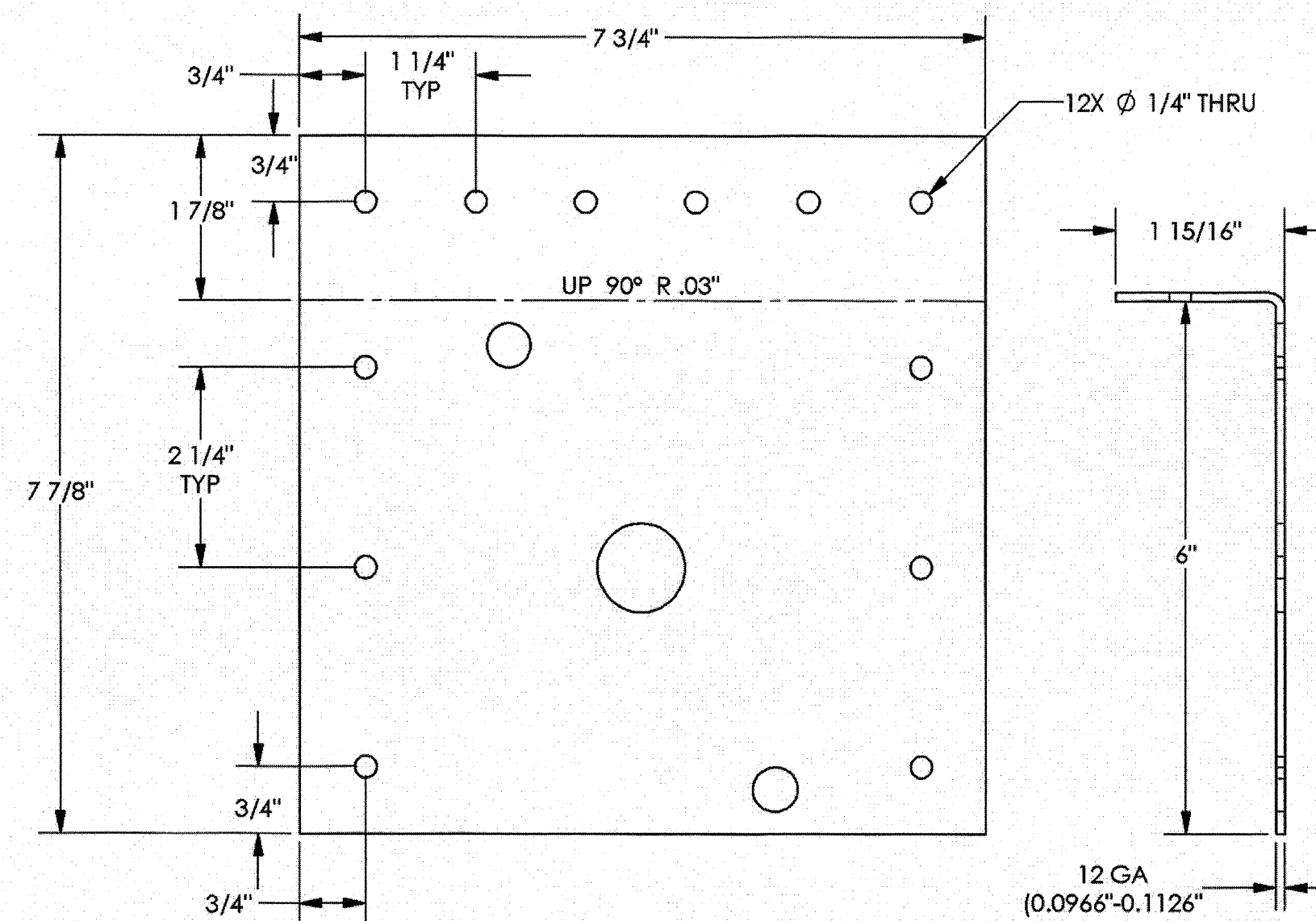
PLATE

E



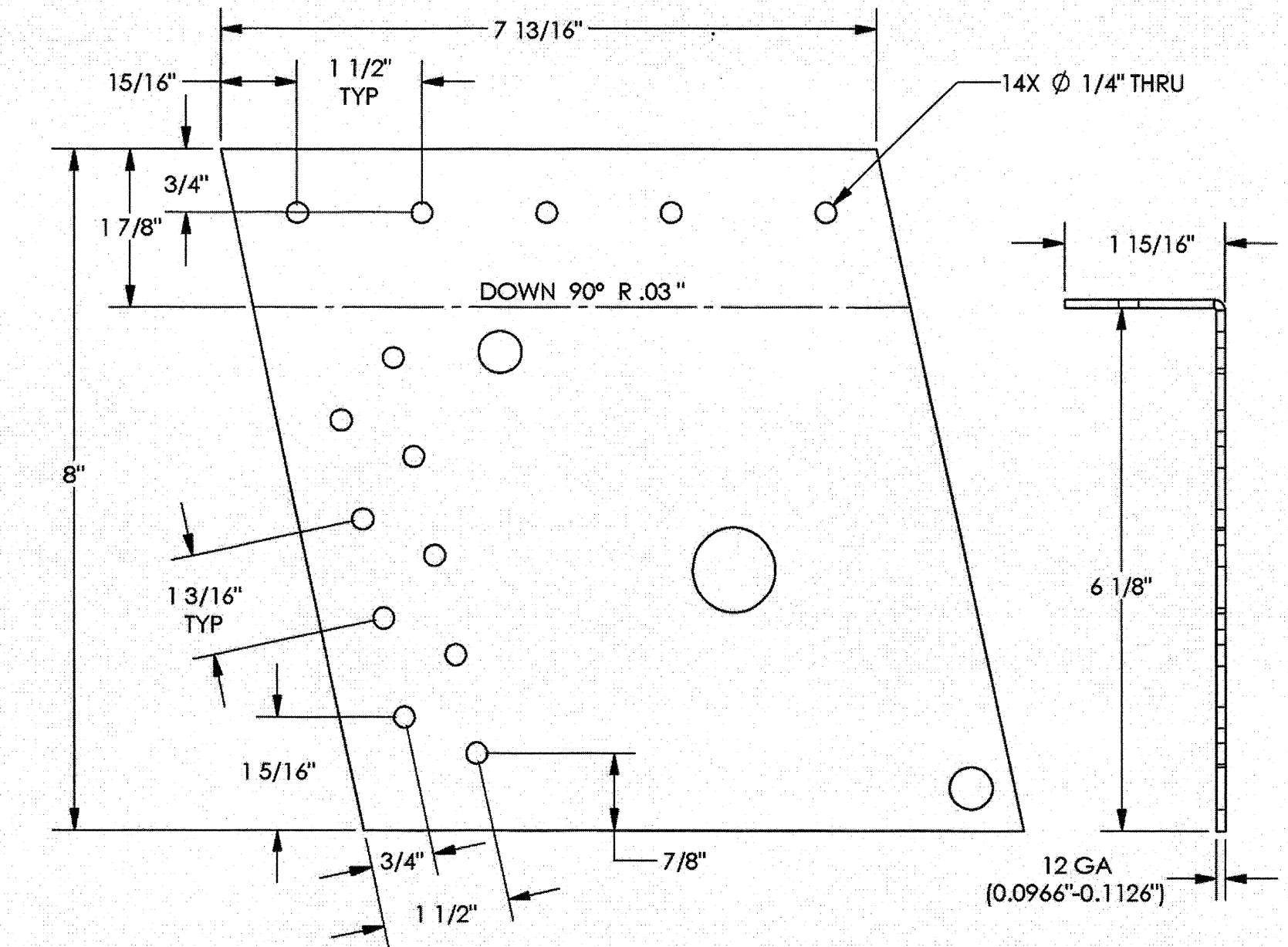
PLATE

F



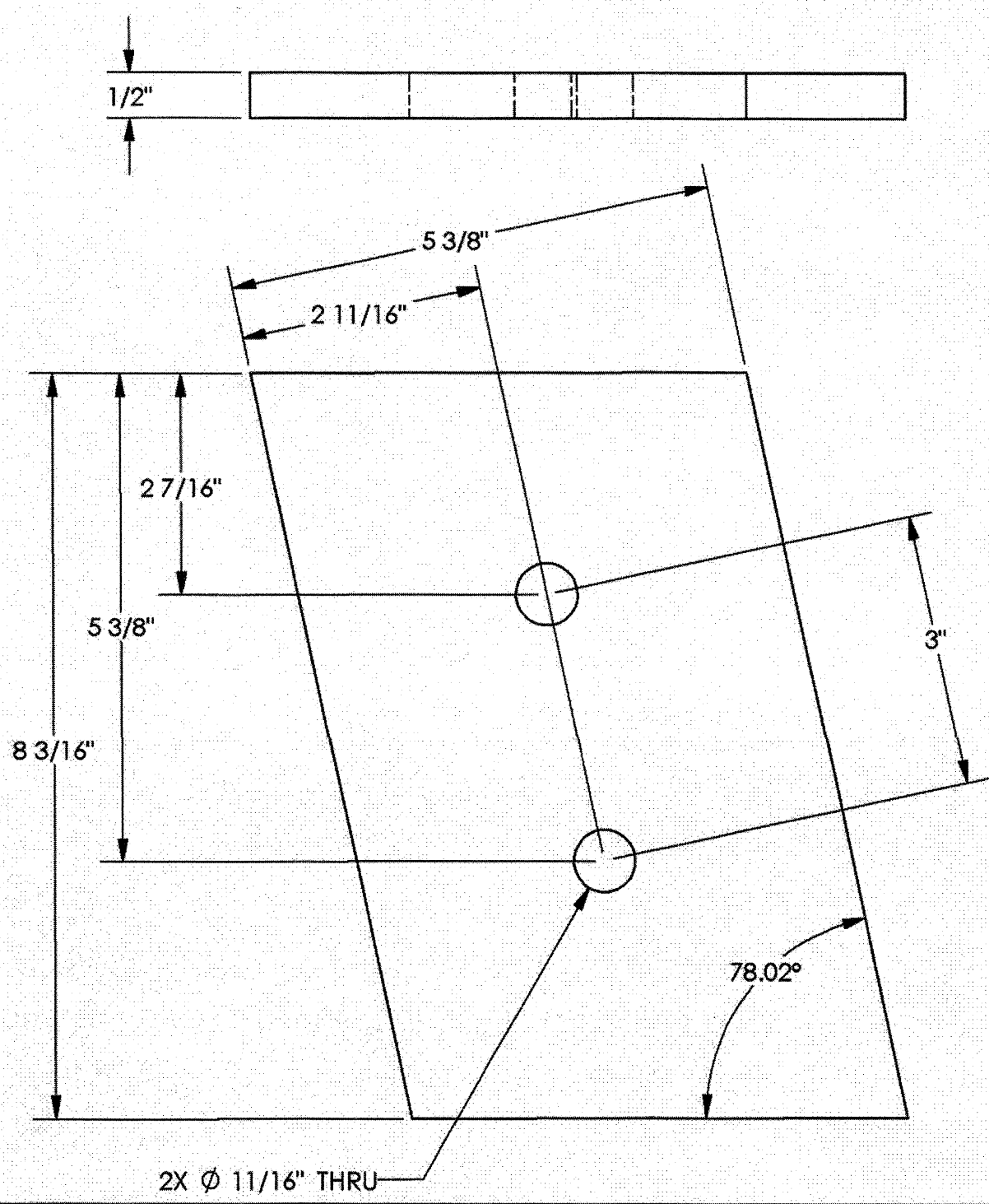
PLATE

G



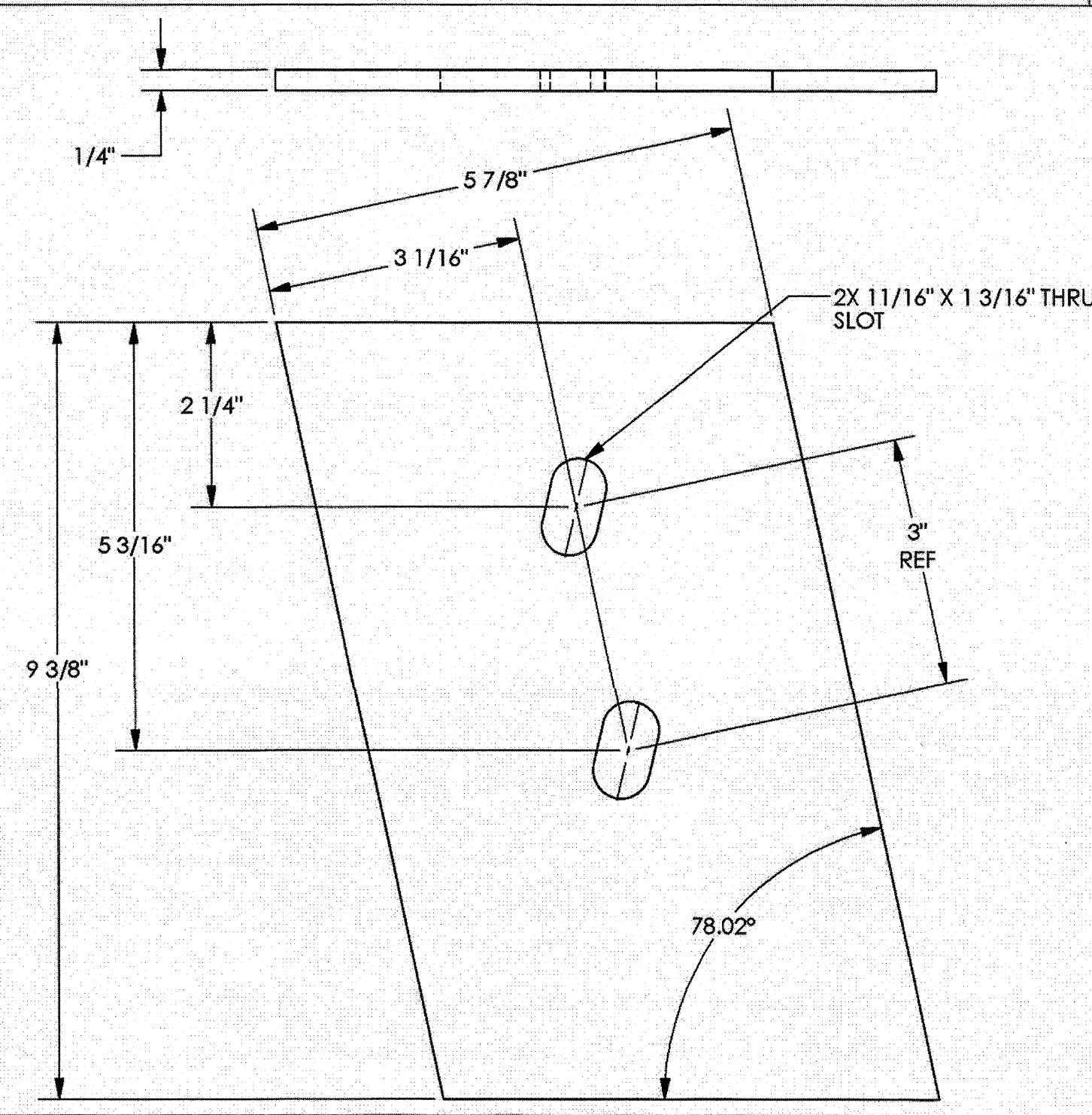
PLATE

H



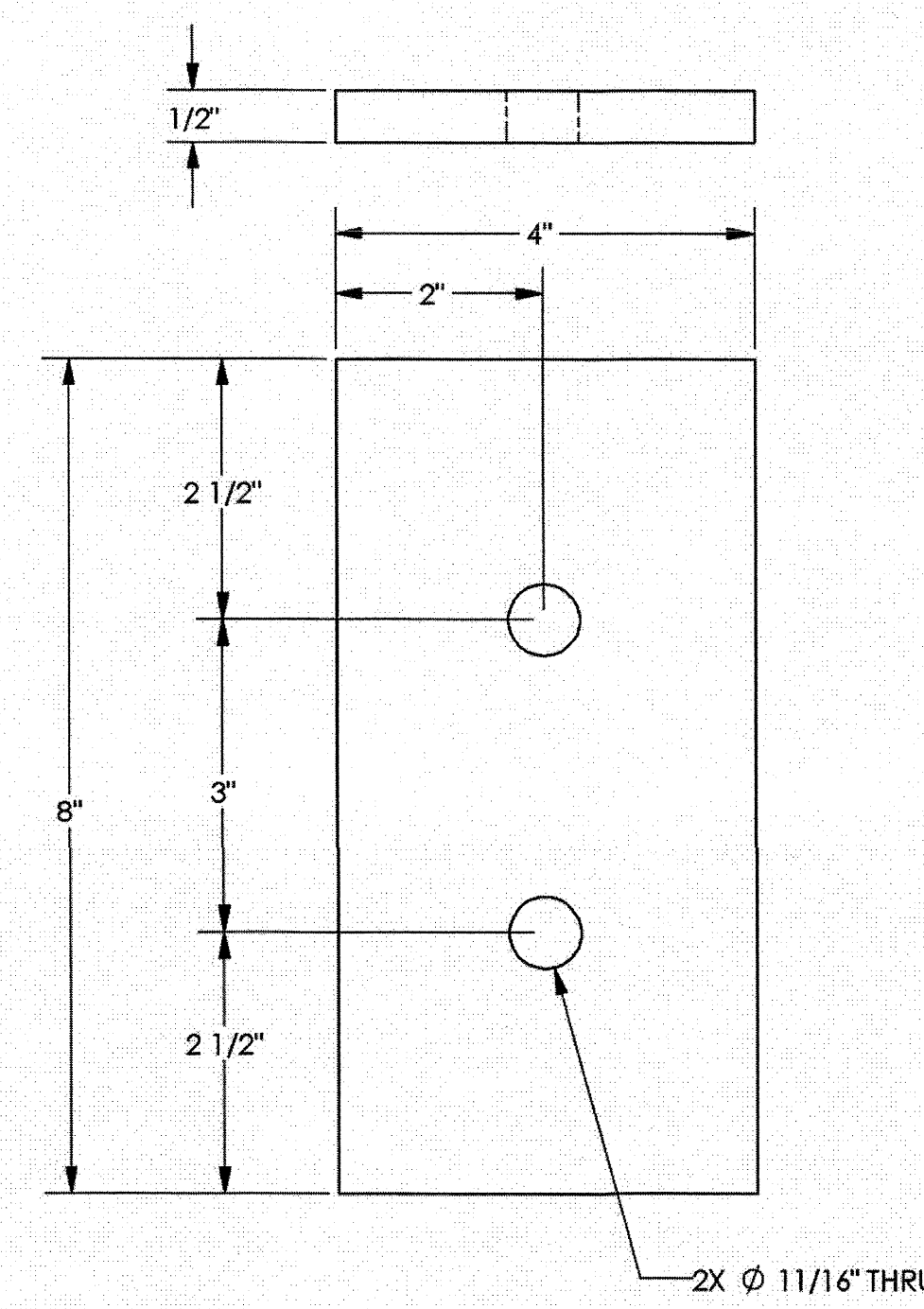
PLATE

J



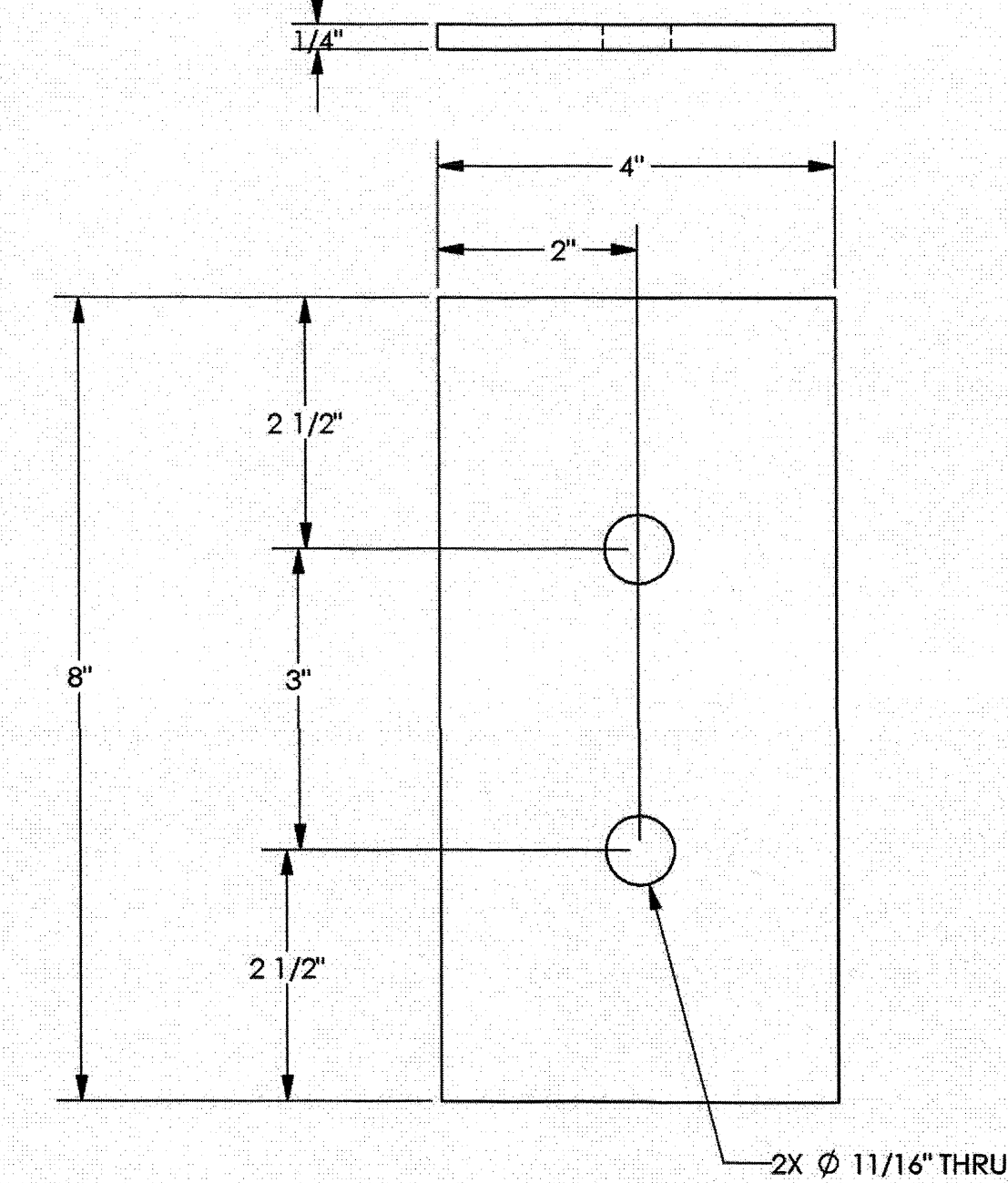
PLATE

K



PLATE

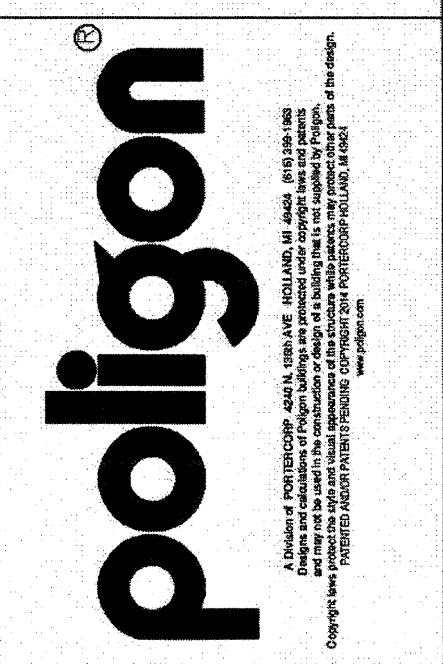
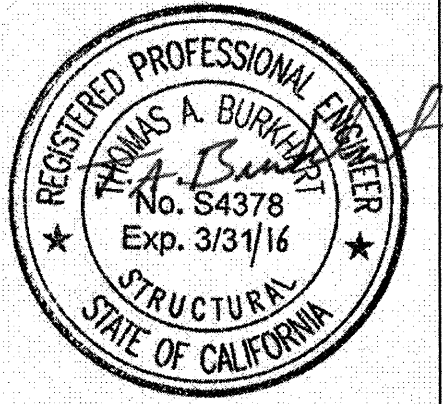
L



PLATE

M

IDENTIFICATION STAMP
 DIV. OF THE STATE ARCHITECT
 03 1180 20
 AC / FLS / S3
 Date APR 18 2017



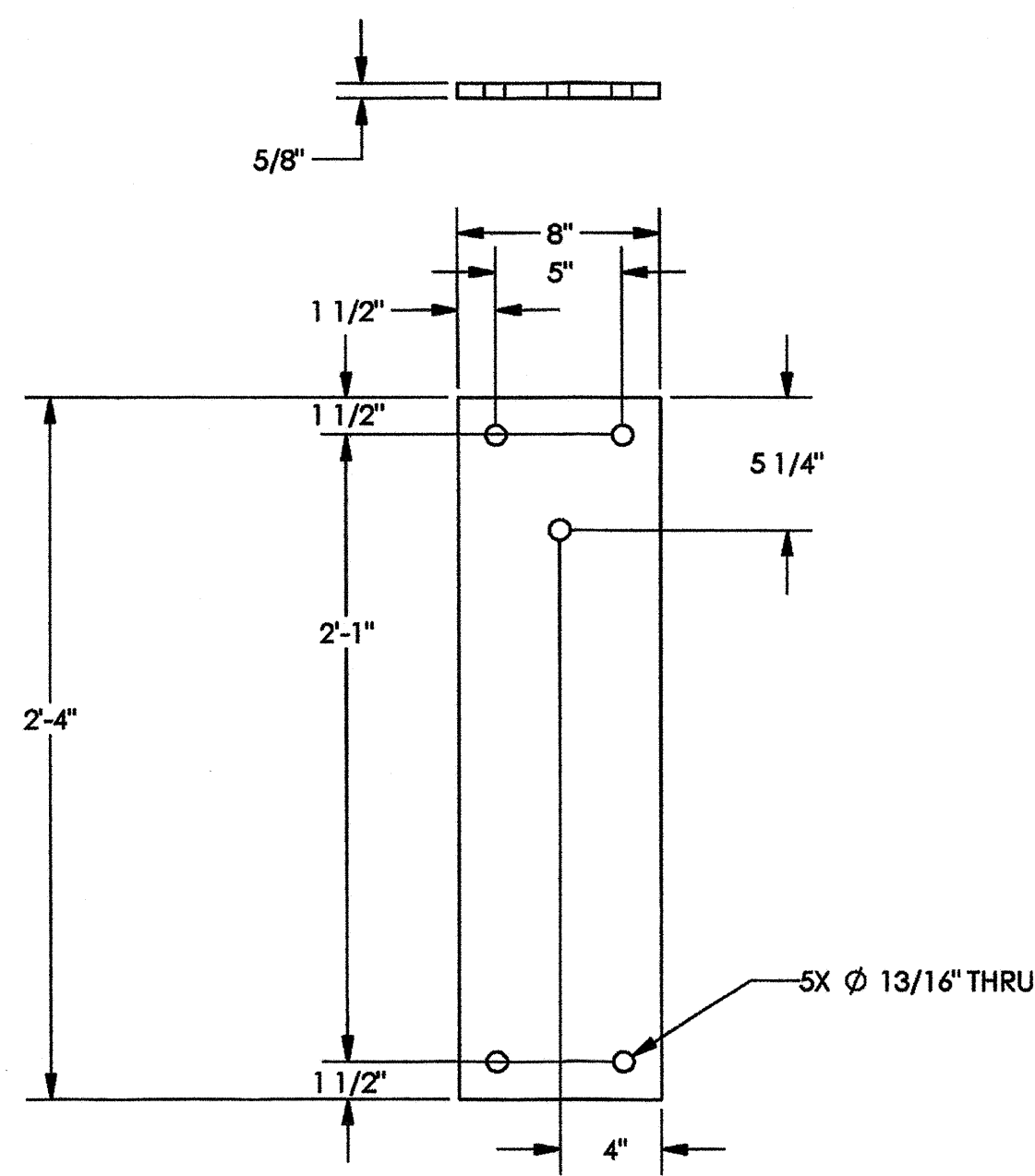
STATE APPROVALS
 IDENTIFICATION STAMP
 DIV. OF THE STATE ARCHITECT
 02 118591
 AC / FLS / S3
 DATE 2-7-17

PRE-CHECK (PC) DOCUMENT
 CODE: 2013 CBC
 A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRED.

PLATE DETAILS
 RAM 30
 HIP ROOF (RAM)
 PC DRAWINGS

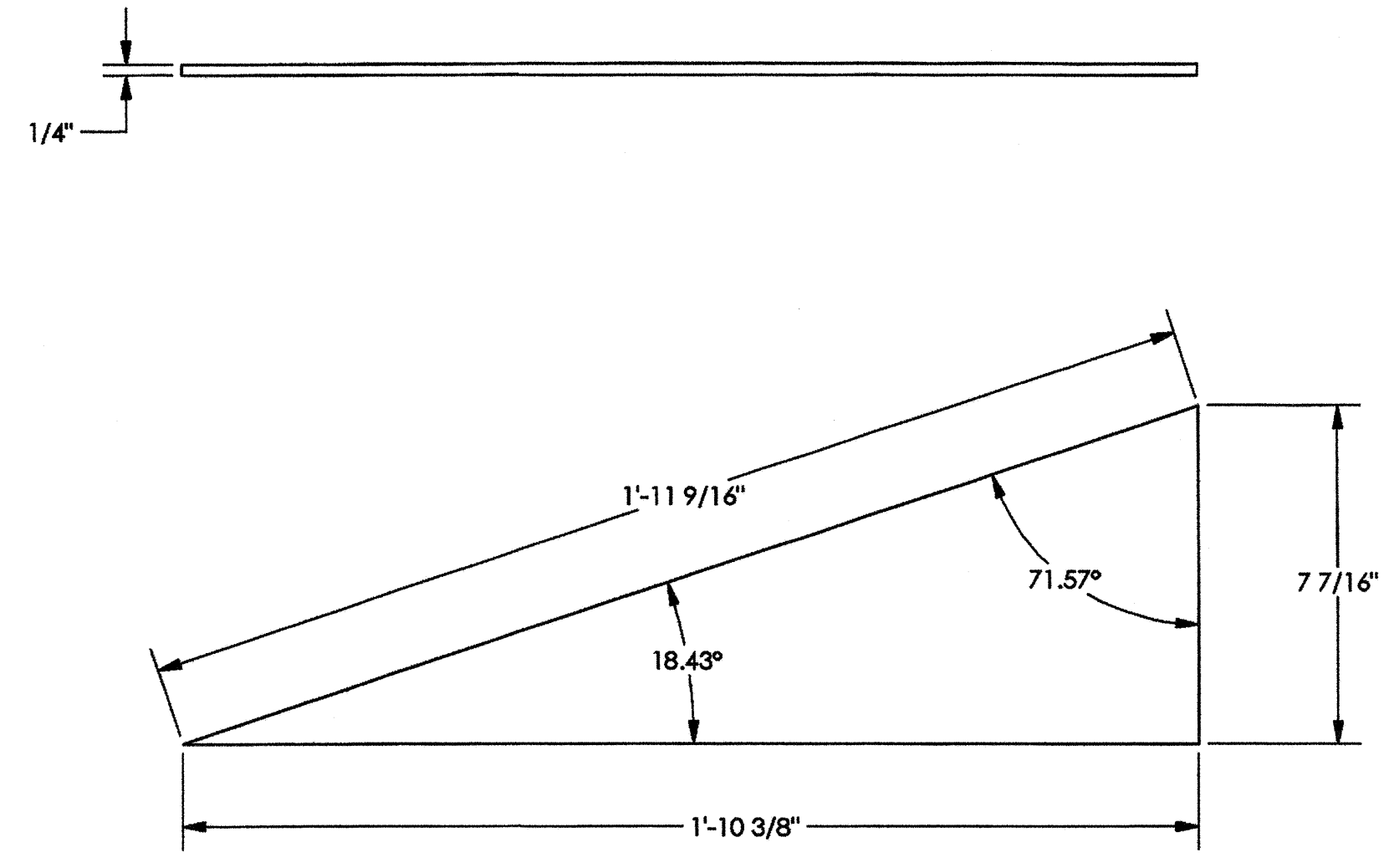
DRAWN BY: JMD
 CHECKED BY: CE
 POLYGON #: 51468

PD6.2



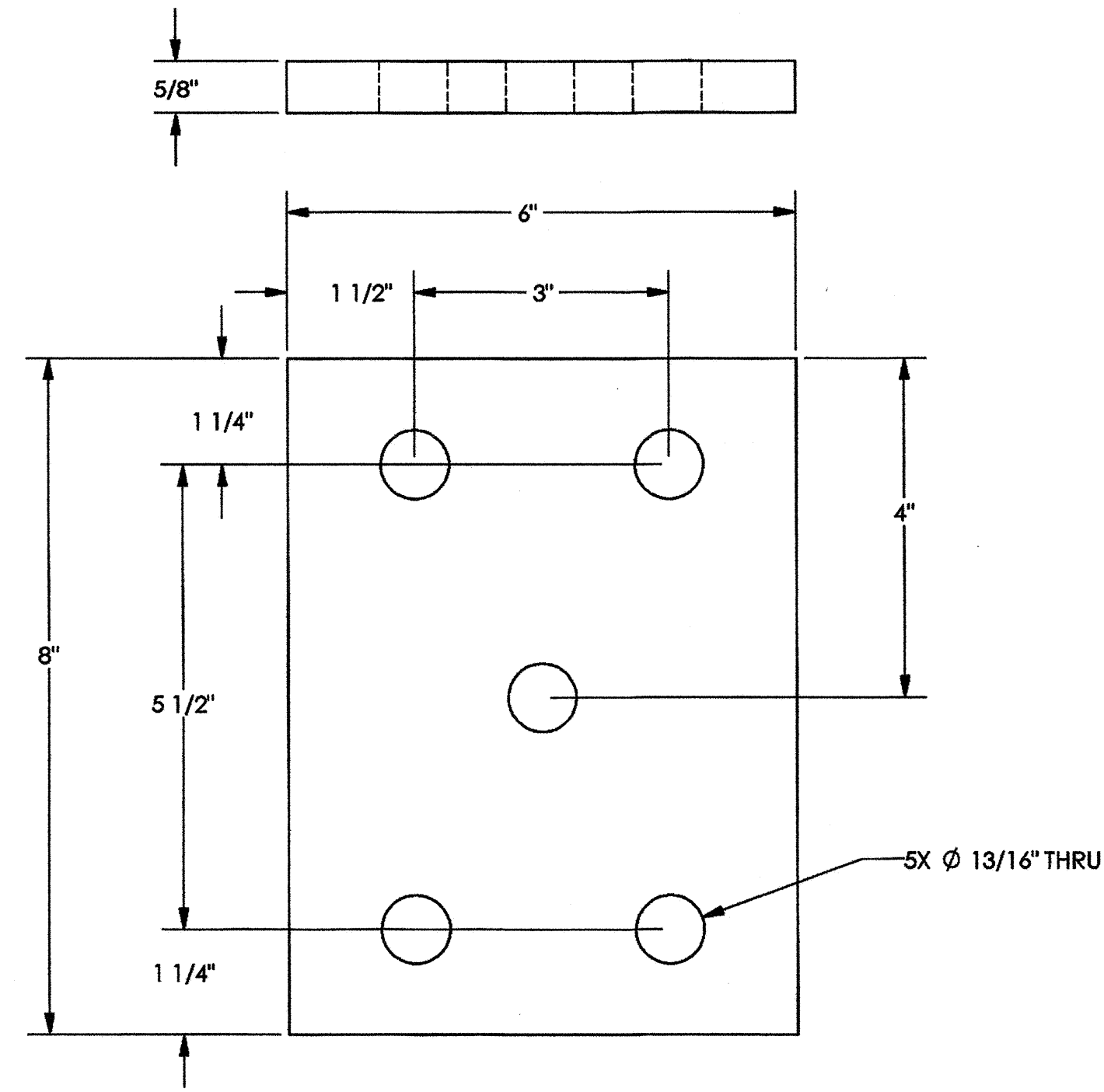
PLATE

N



PLATE

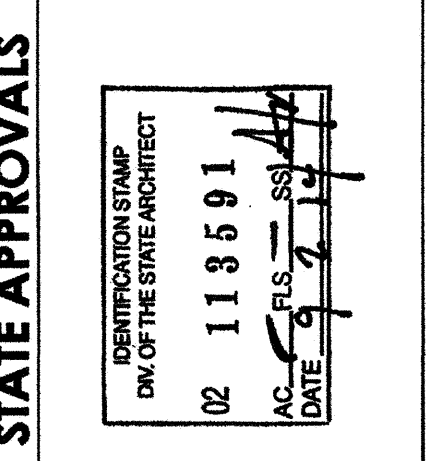
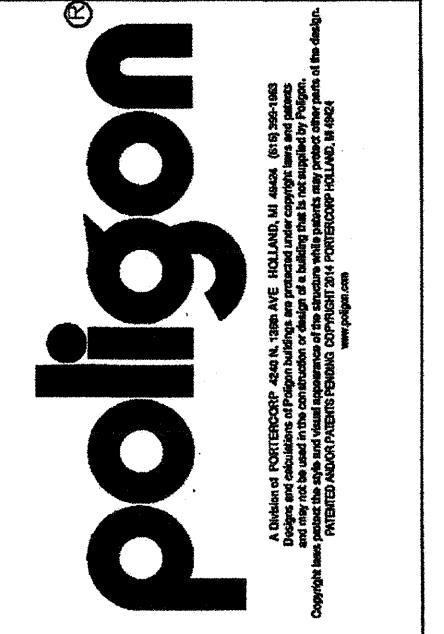
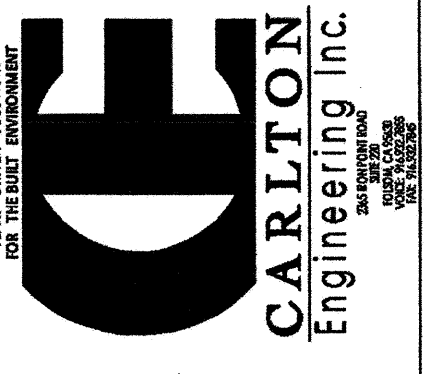
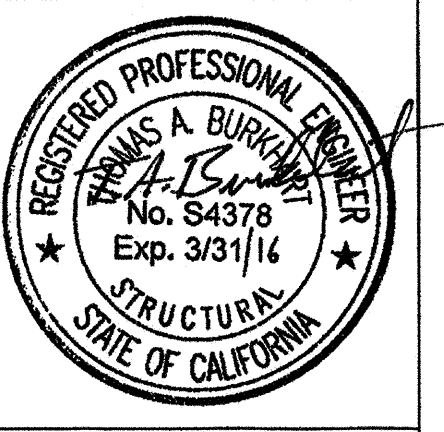
P



PLATE

R

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 03 118020
 AC / FLS / SS
 Date APR 18 2011

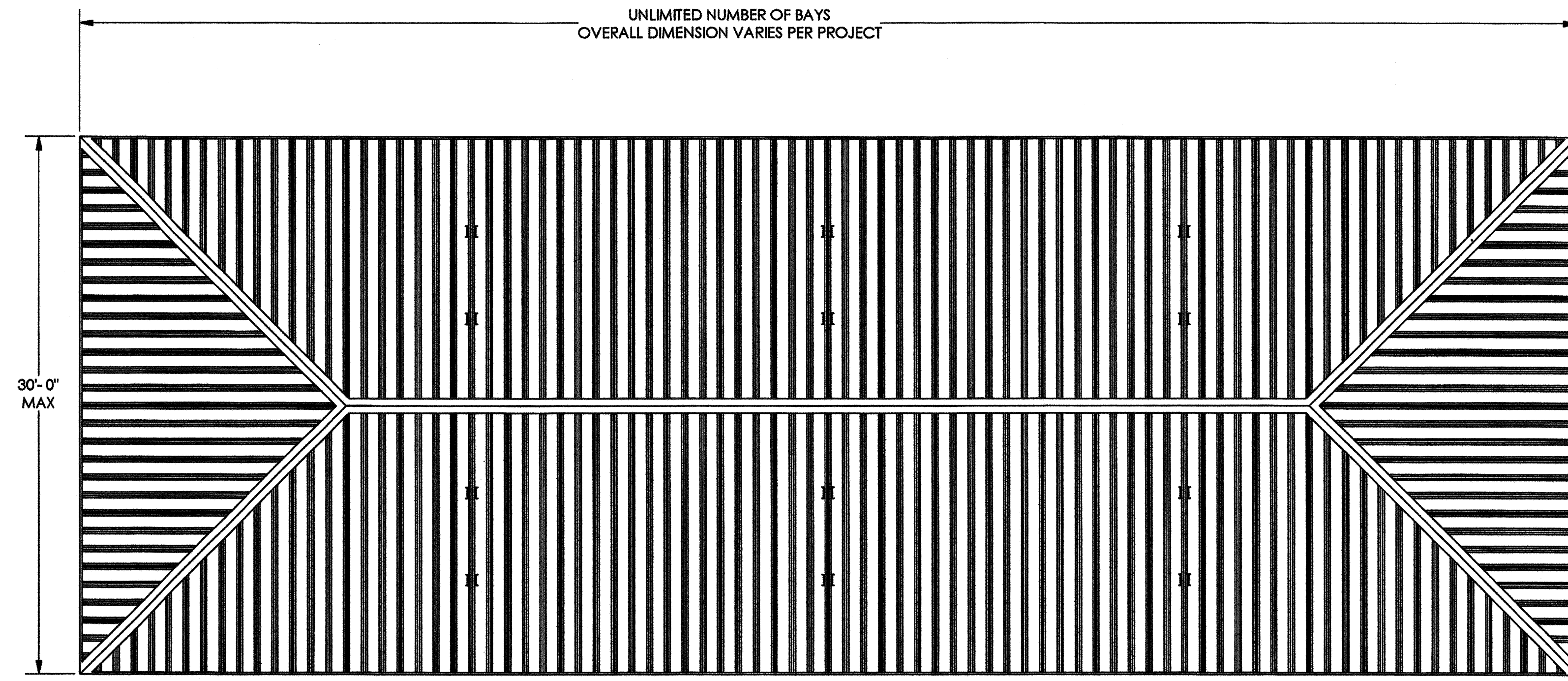


PRE-CHECK (PC) DOCUMENT
 CODE: 2013 CBC
 A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRED.

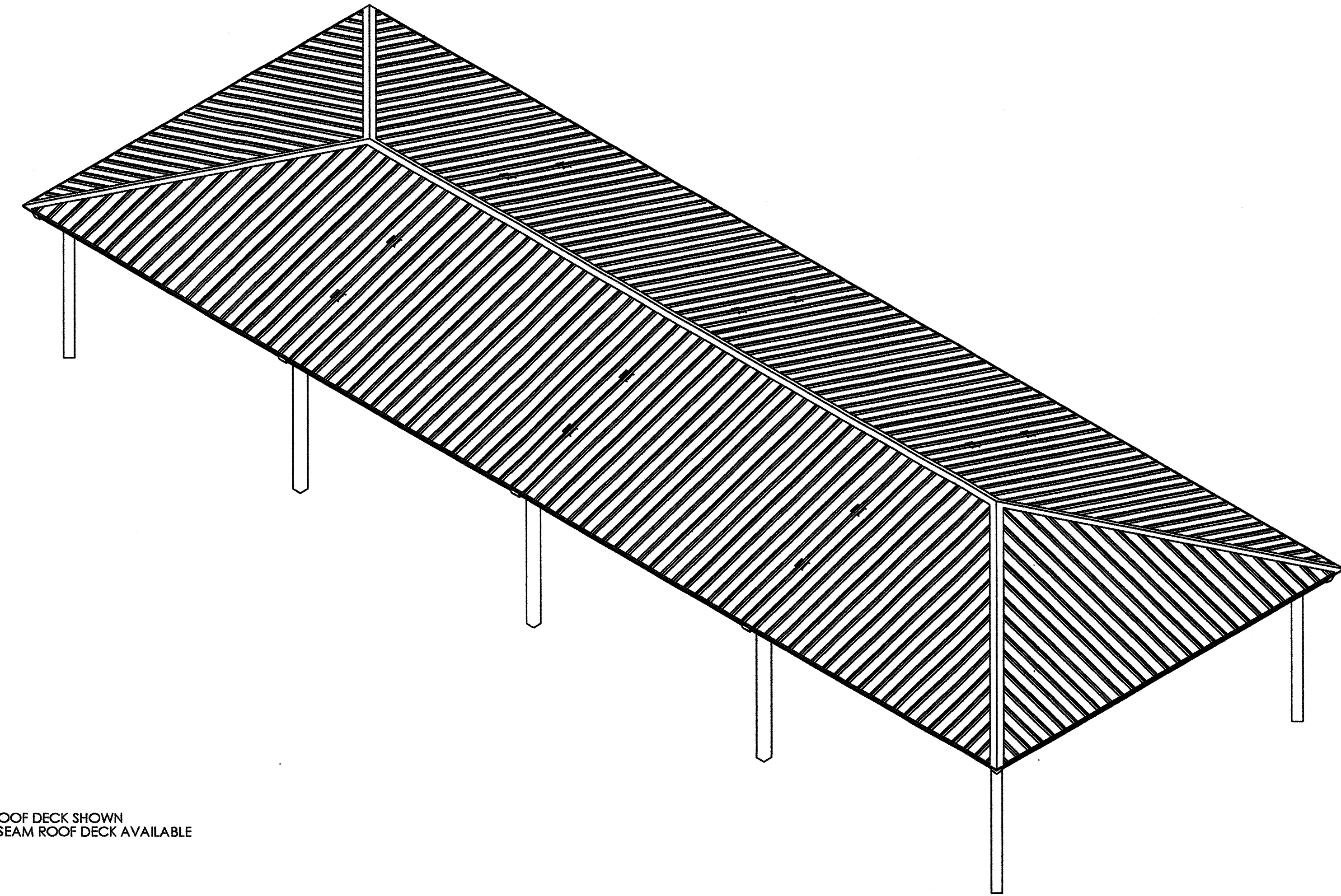
PLATE DETAILS
 RAM 30
HIP ROOF (RAM)
 PC DRAWINGS

PD6.3

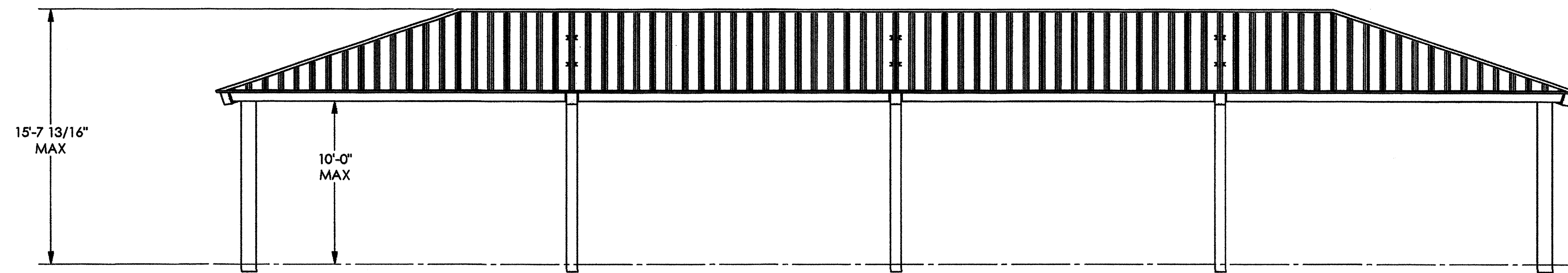
DRAWN BY: JMD
 CHECKED BY: CE
 POLYGON #: 51458



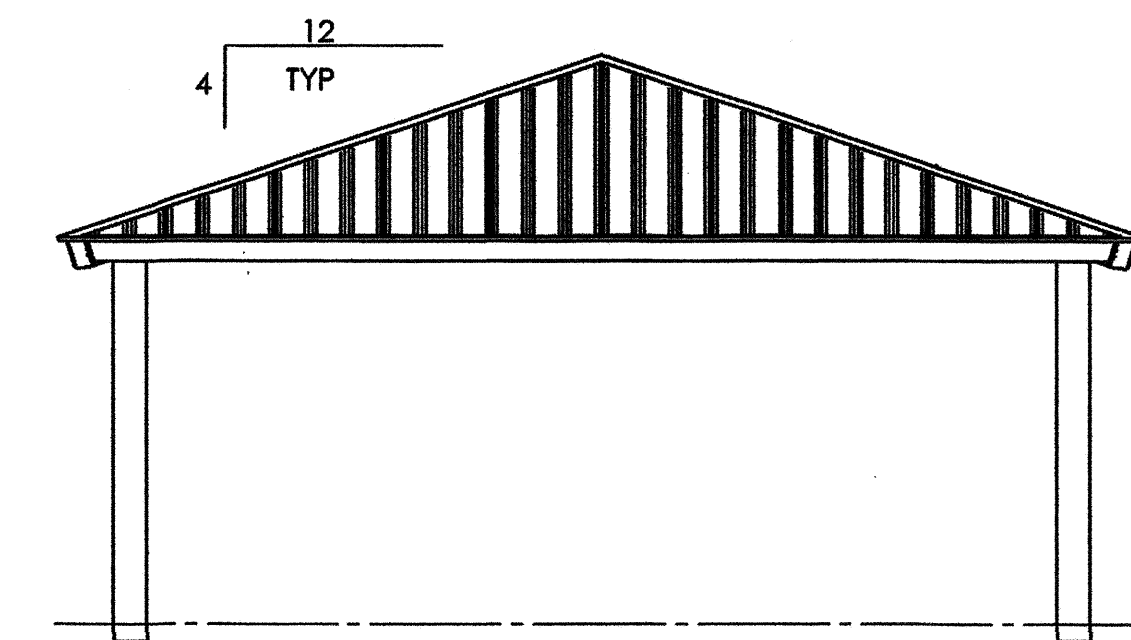
PLAN VIEW
SCALE: 3/16" = 1'-0"



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



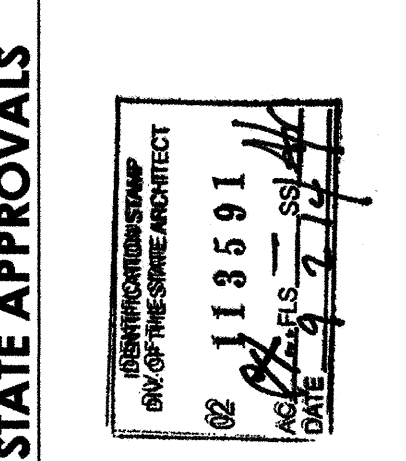
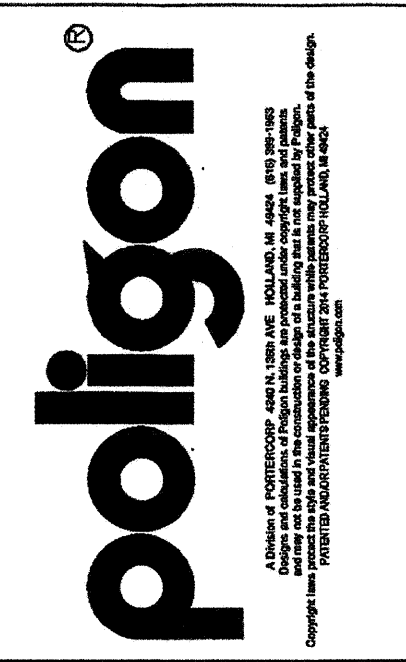
FRONT ELEVATION
SCALE: 3/16" = 1'-0"



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

FINISH GRADE
(ASSUMED AT CONSTANT
ELEVATION UNO)

FINISH GRADE
(ASSUMED AT CONSTANT
ELEVATION UNO)



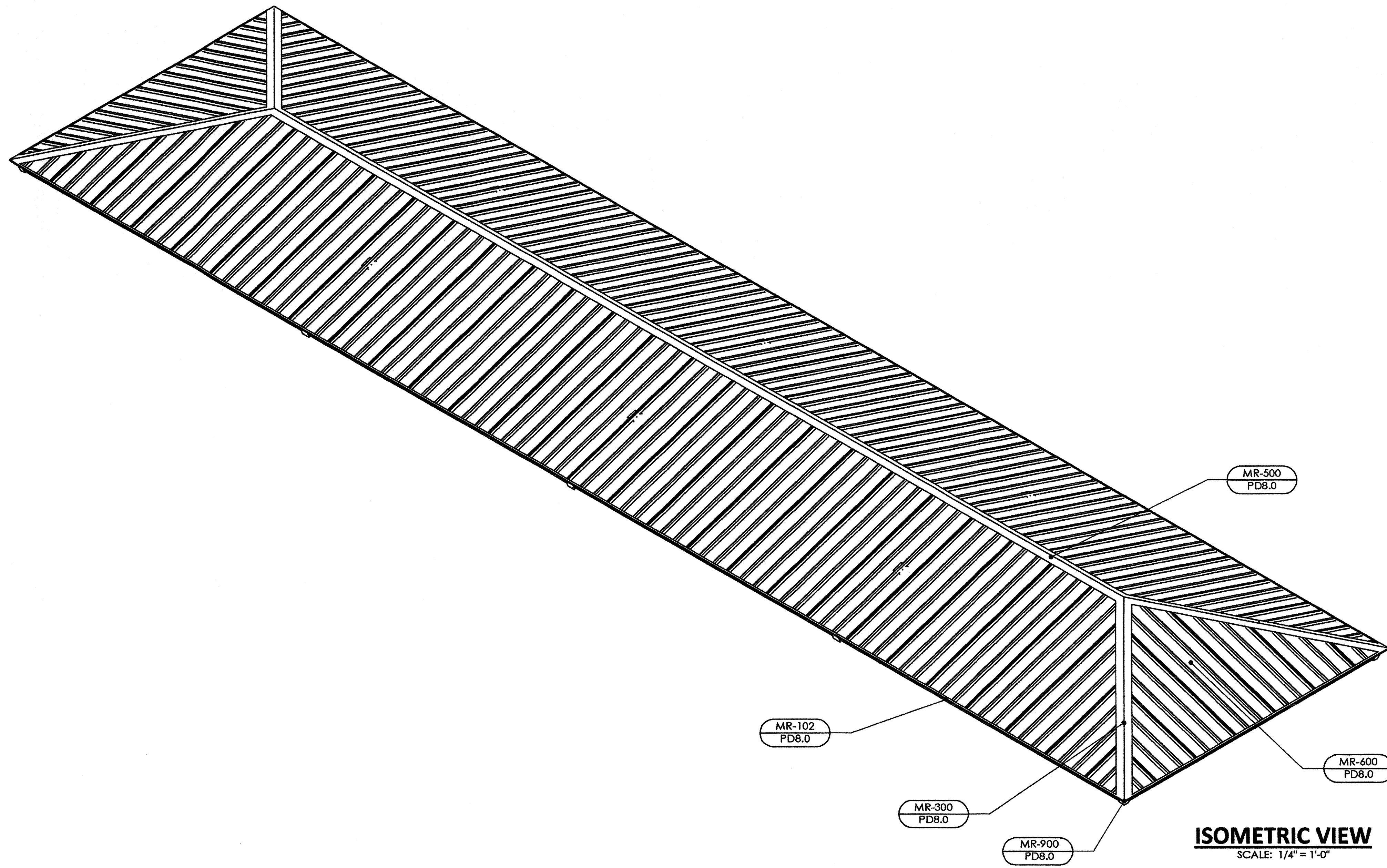
PRE-CHECK (PC) DOCUMENT
 CODE: 2013 CBC
 A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRED.

ARCHITECTURAL VIEWS
 RAM 30
 HIP ROOF (RAM)
 PC DRAWINGS

DRAWN BY: JMD
 CHECKED BY: CE
 POLYGON #: 51498

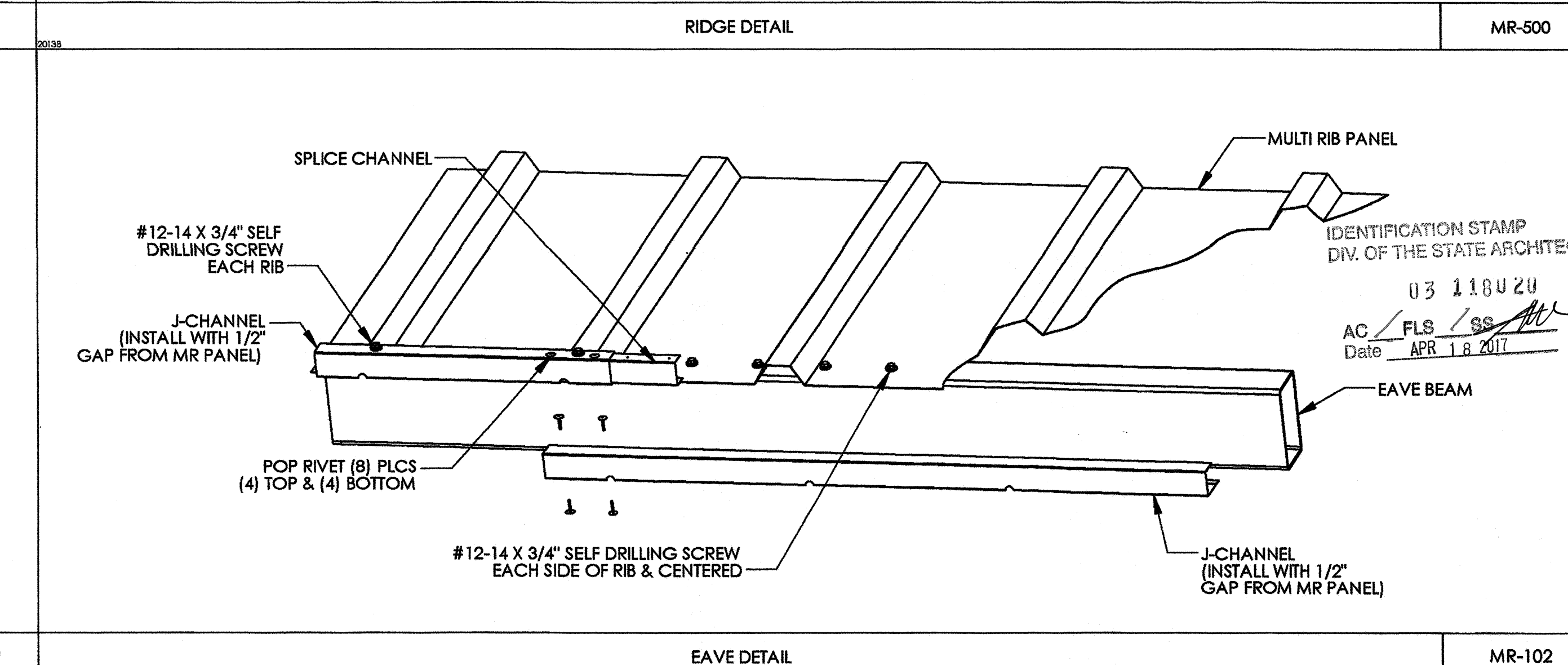
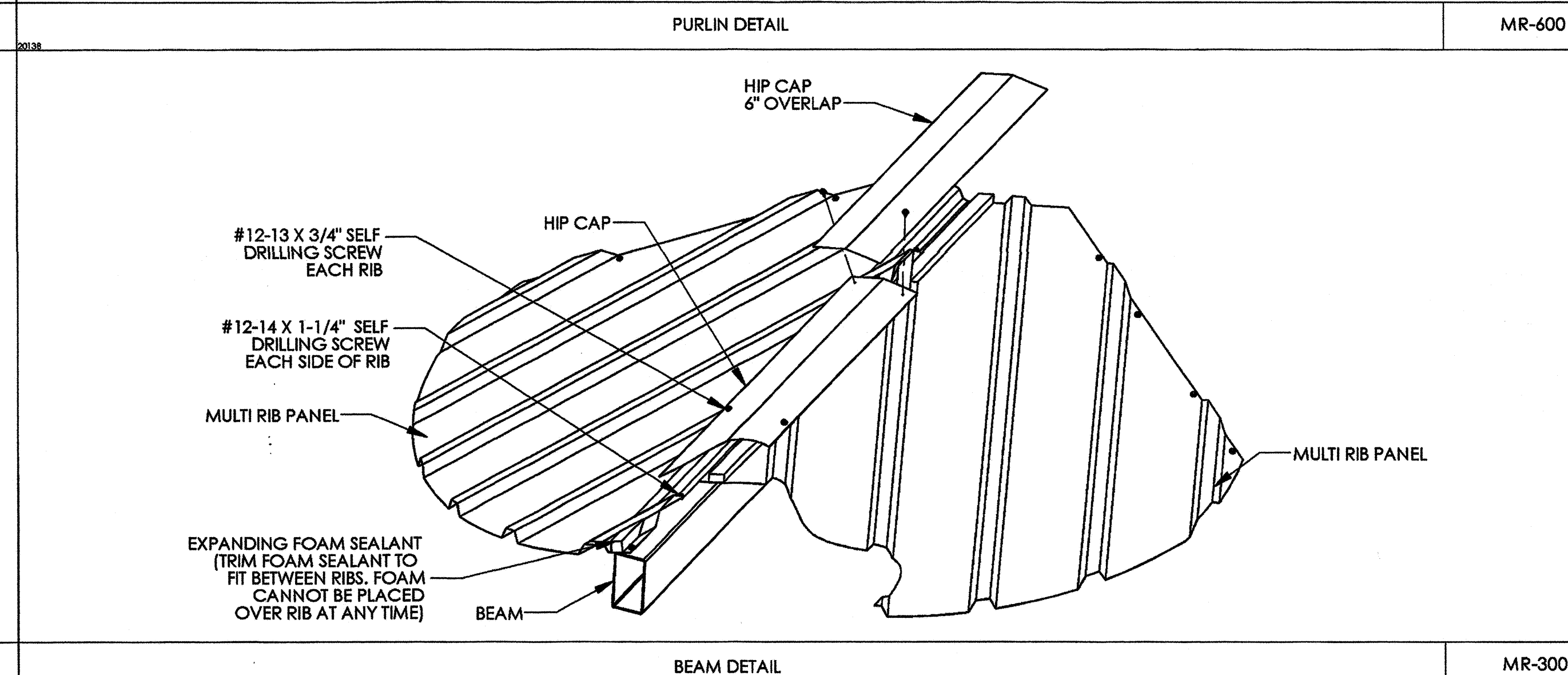
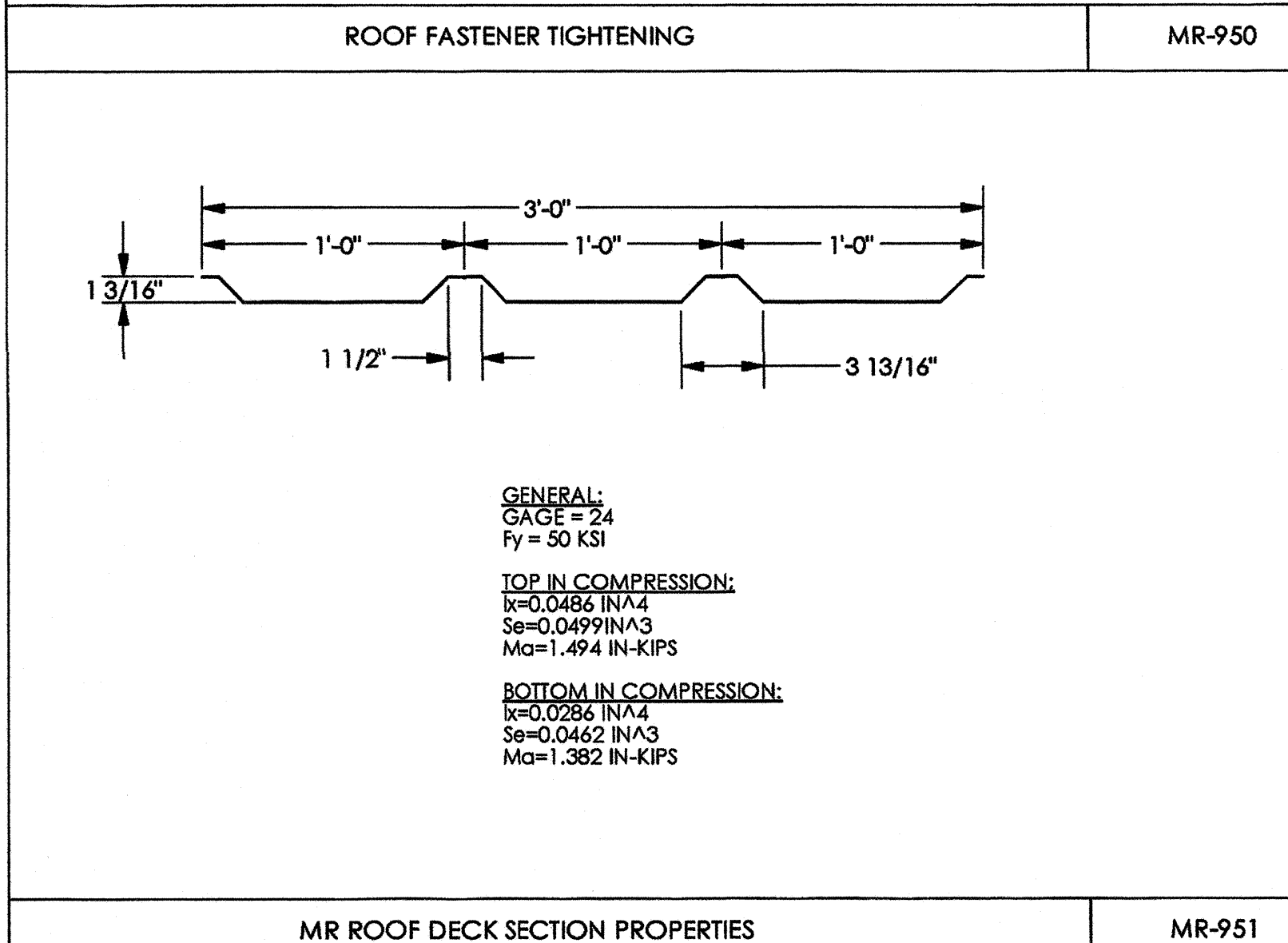
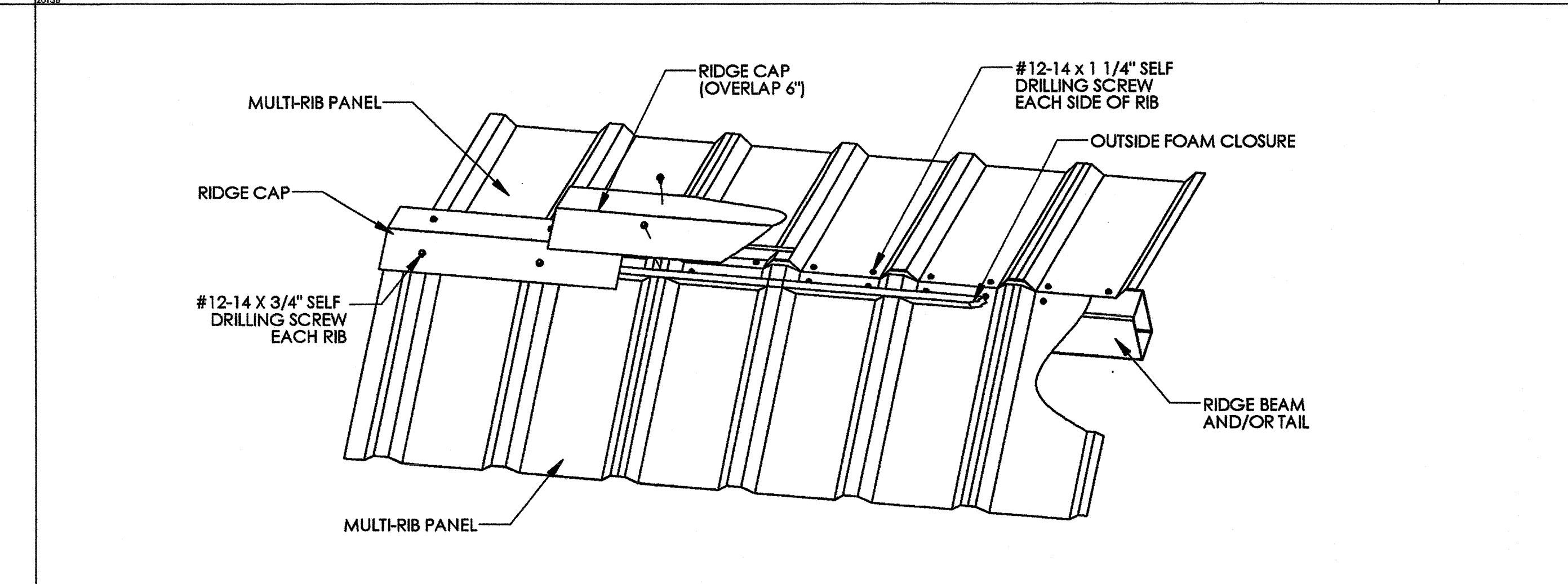
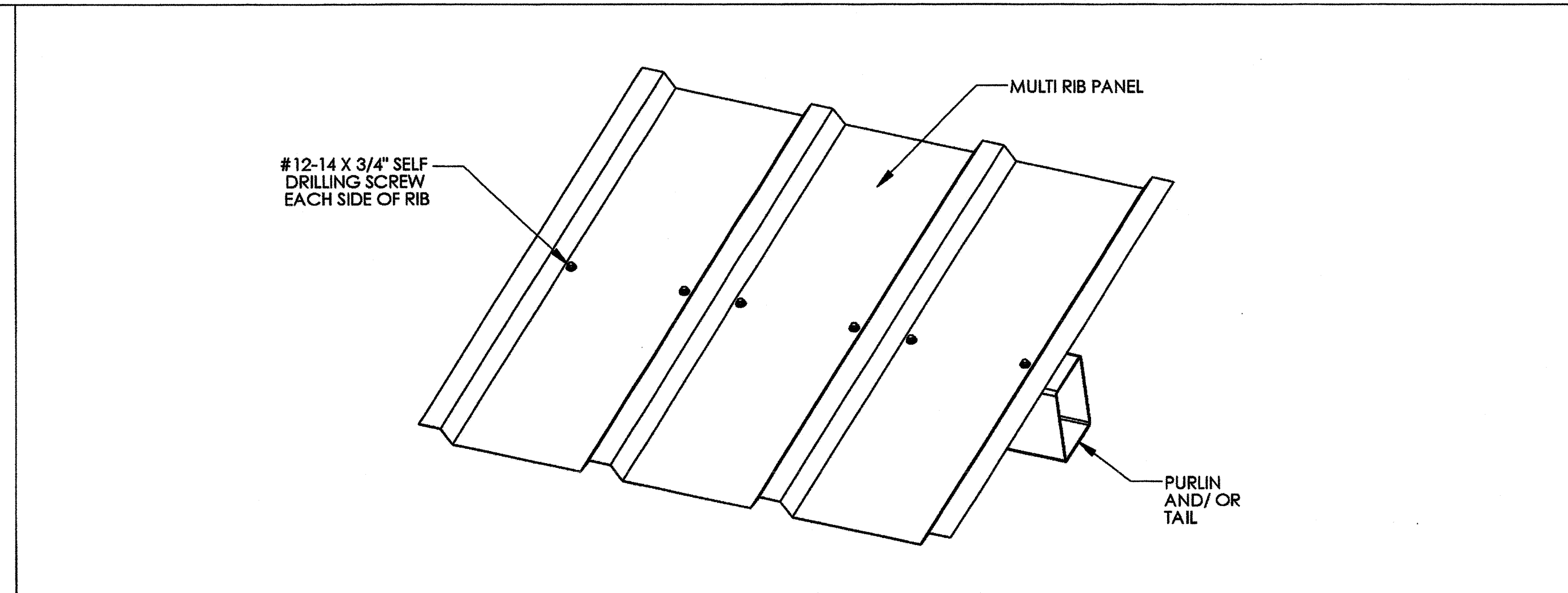
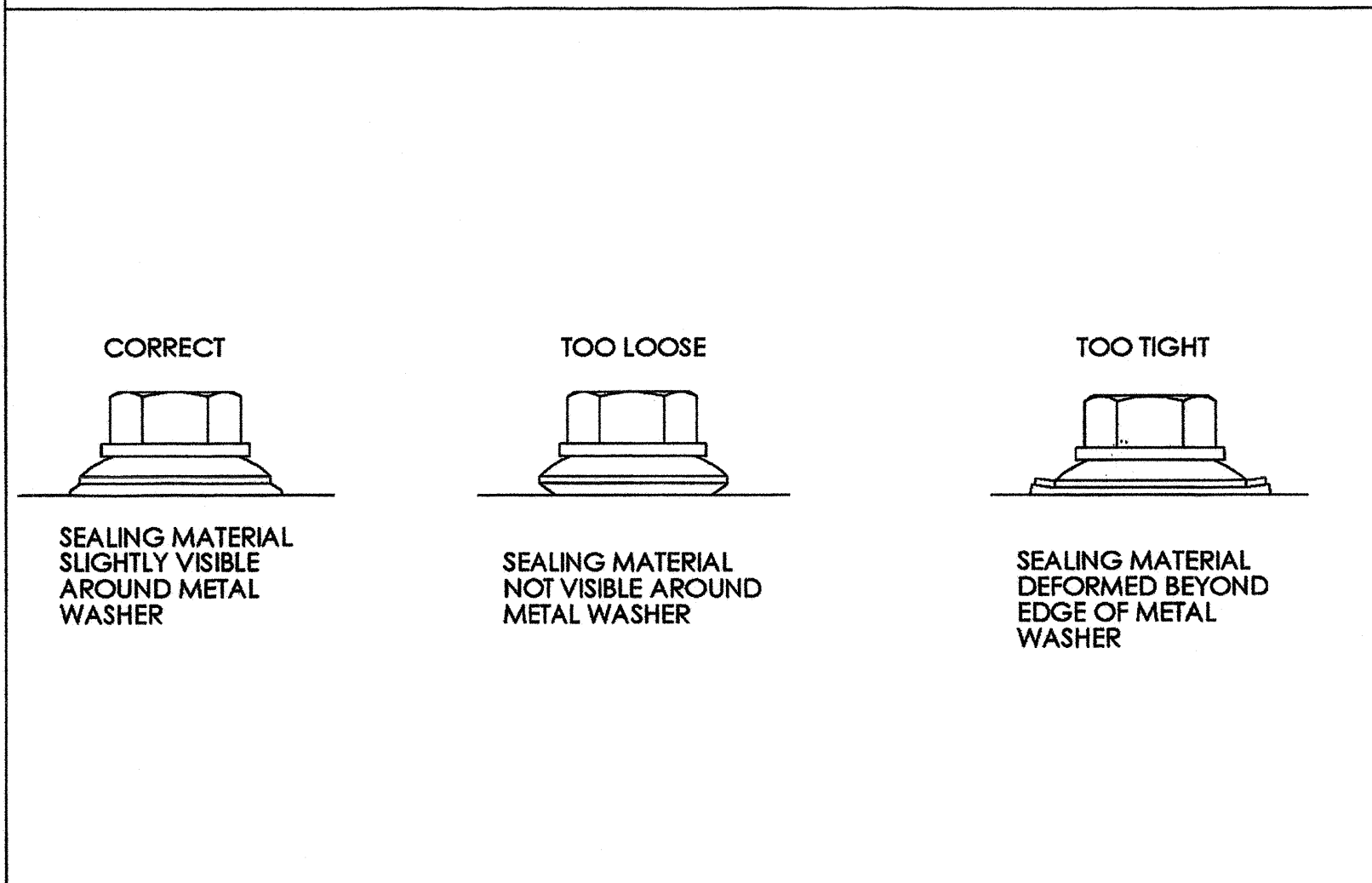
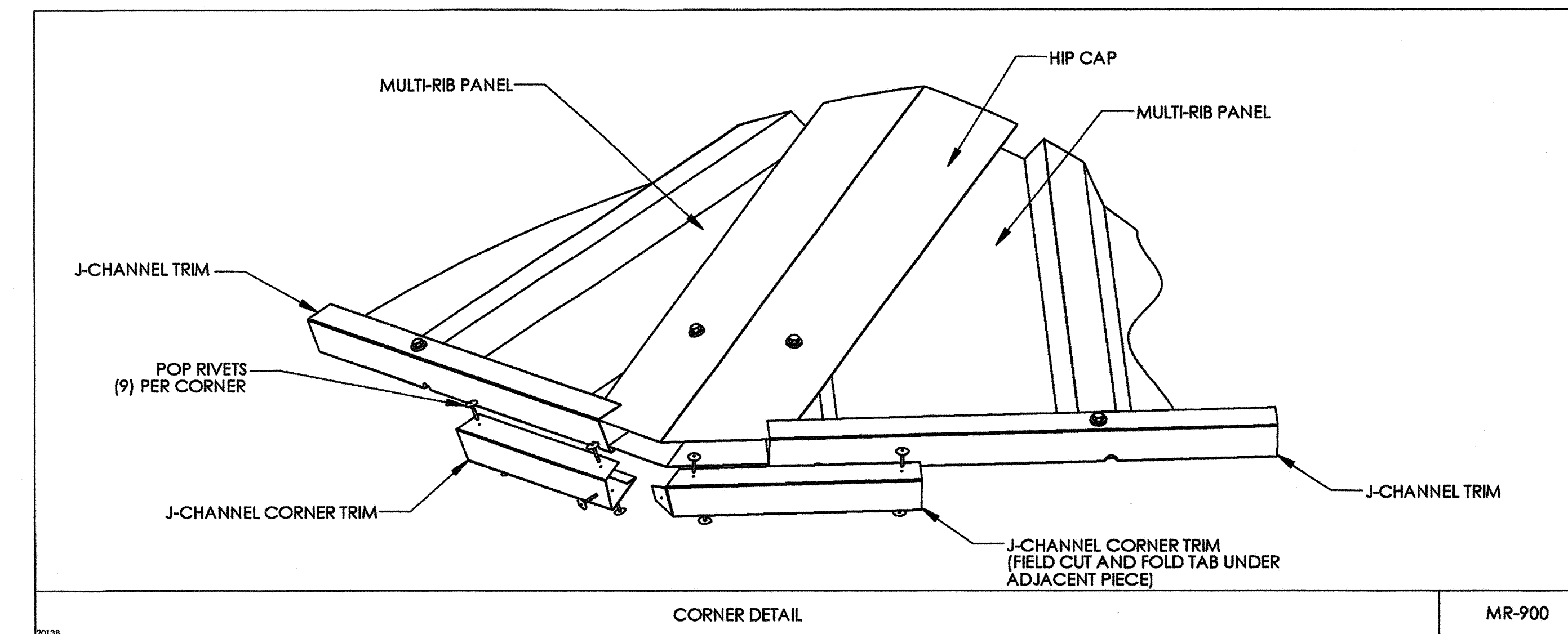
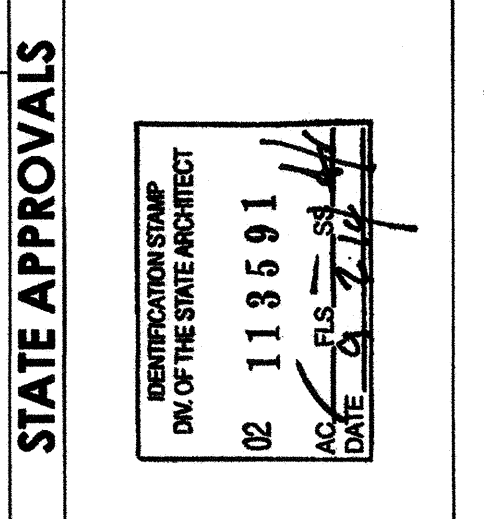
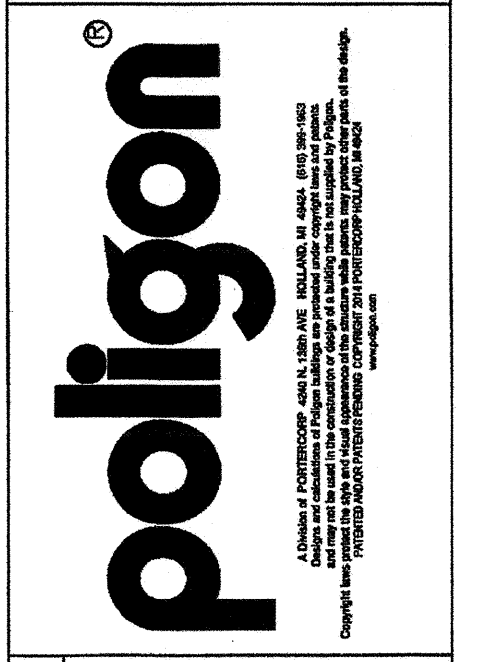
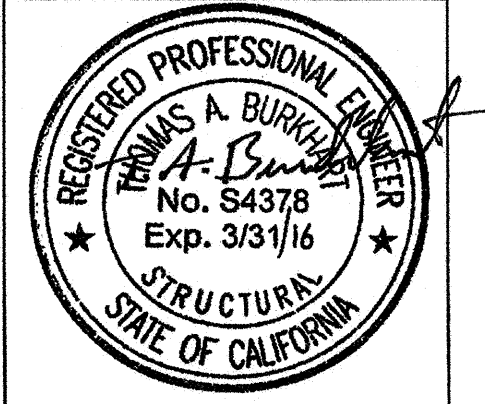
PD7.1

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 AC FLS SS
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ROOF LAYOUT NOTES (MR):

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



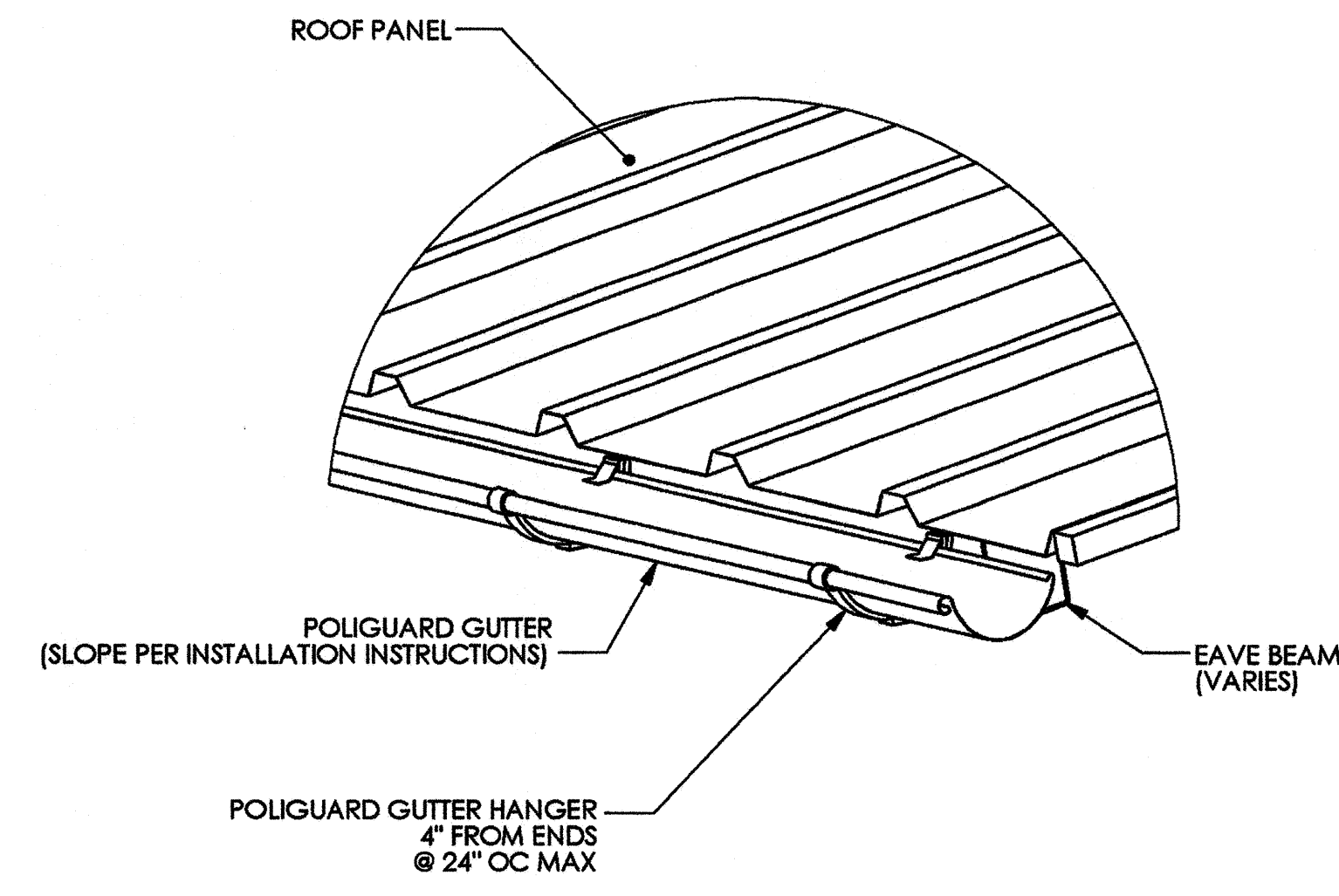
PRE-CHECK (PC) DOCUMENT
CODE: 2013 CBC
A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRED.

ROOF CONNECTION DETAILS
MR ROOF DECK
HIP ROOF (RAM)
PC DRAWINGS

PD8.0

DRAWN BY: JMD
CHECKED BY: CE
POLYGON #: 51458

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Date: APR 18 2011

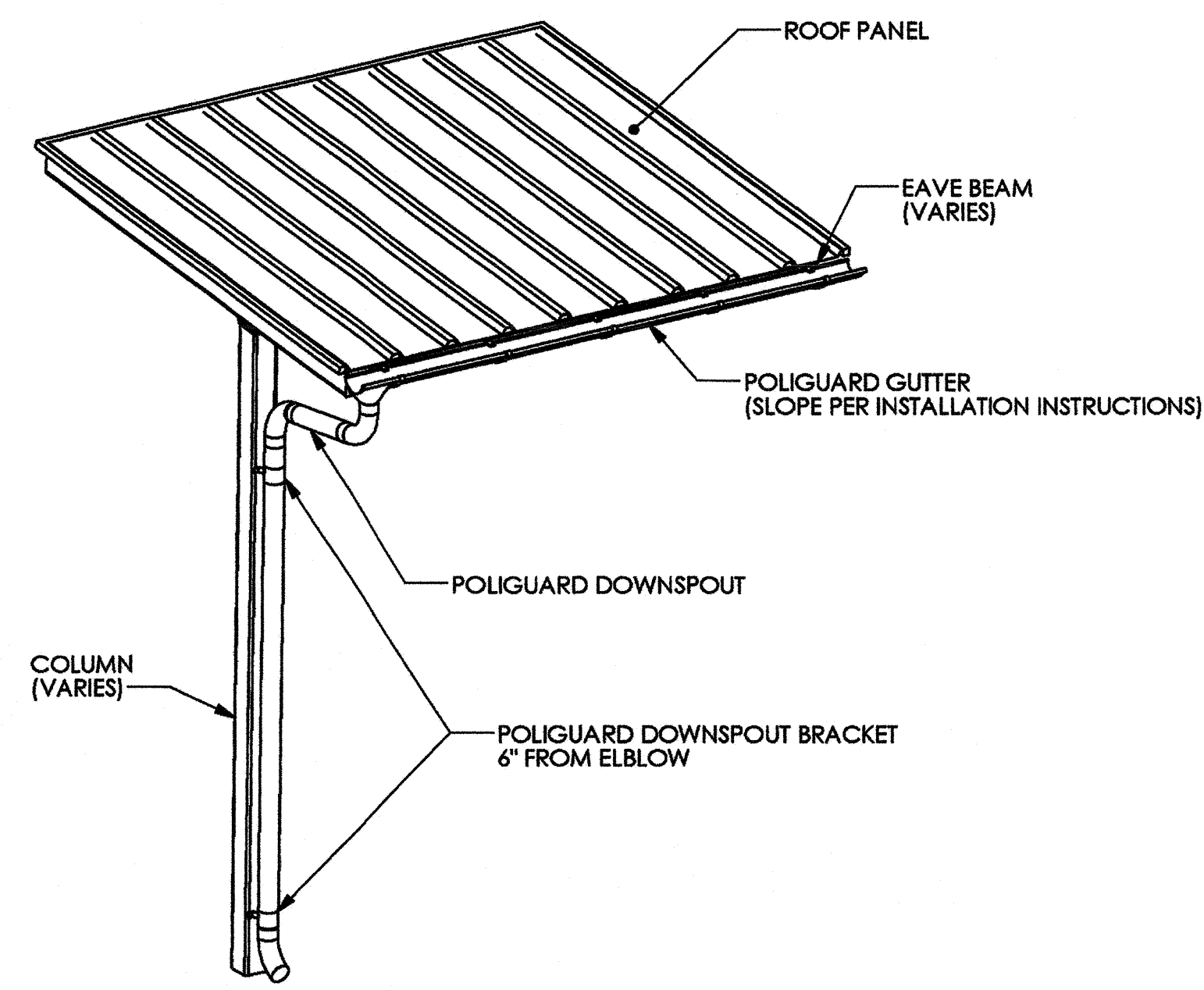


GUTTER DETAIL

GS-100

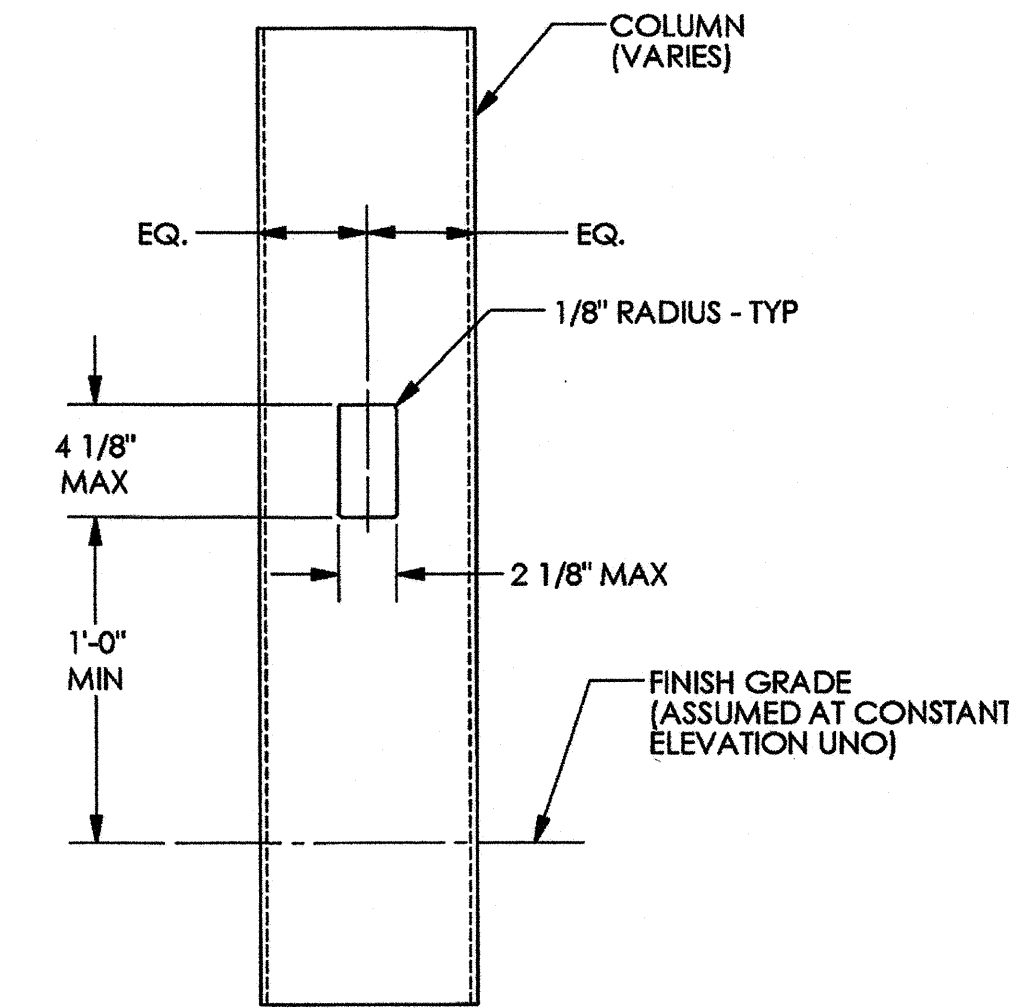
POLIGUARD GUTTER SYSTEM NOTES:

1. PREFABRICATED GUTTER SYSTEM IS ATTACHED TO THE STRUCTURE AFTER ROOF IS INSTALLED.
2. DETAILED INSTALLATION INSTRUCTIONS ARE SHIPPED WITH THE STRUCTURE.
3. DOWNSPOUTS REQUIRED AT EACH COLUMN.



DOWNSPOUT DETAIL

GS-200

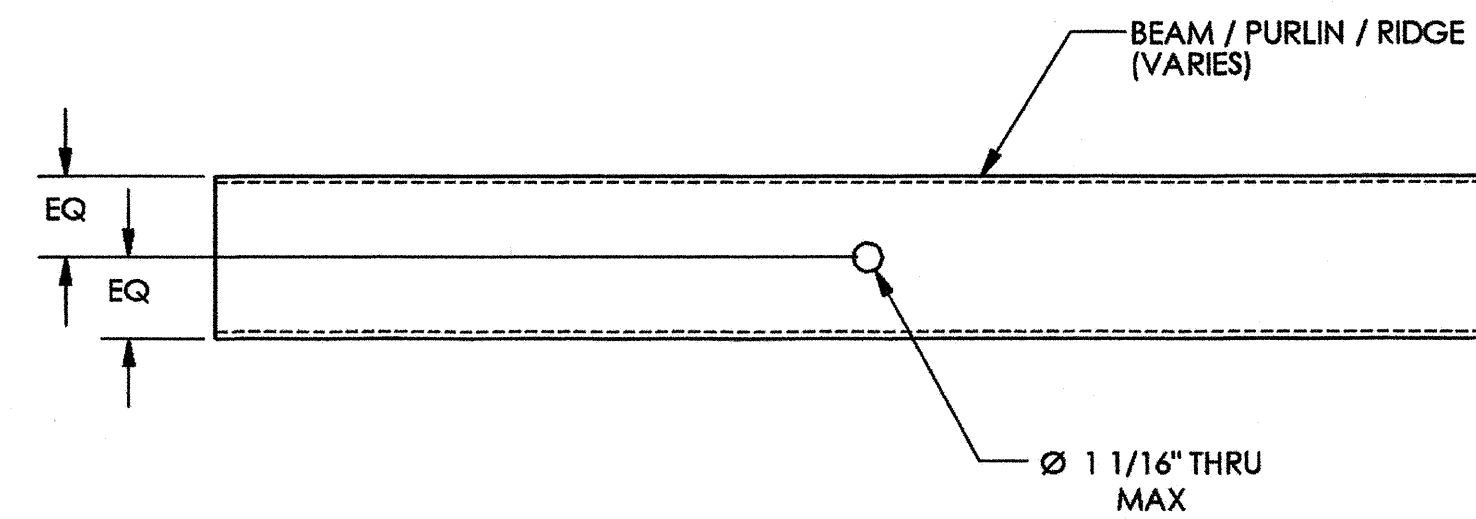


ELECTRICAL CUTOUT IN COLUMNS

EC-100

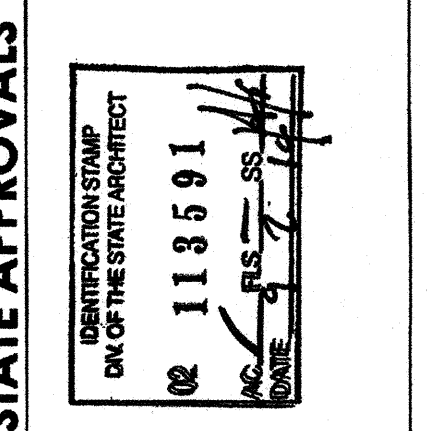
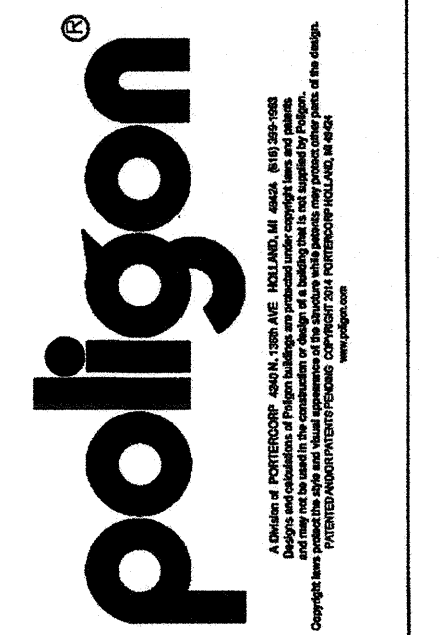
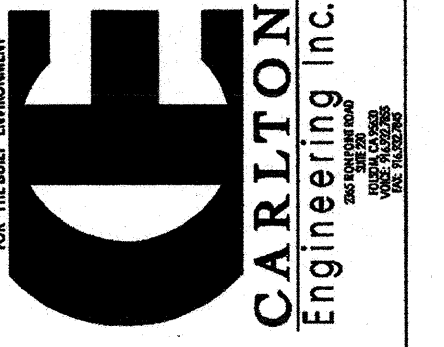
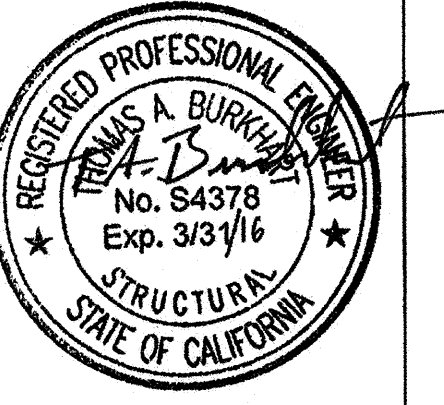
ELECTRICAL CUTOUT NOTES:

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



ELECTRICAL CUTOUT IN BEAMS / PURLINS / RIDGES

EC-200



PRE-CHECK (PC) DOCUMENT
 CODE: 2013 CBC
 A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRED.

MISC DESIGN OPTIONS
 HIP ROOF (RAM)
 PC DRAWINGS

PD9.0

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DRAWN BY: JMD
 CHECKED BY: CE
 POLYGON #: 51498