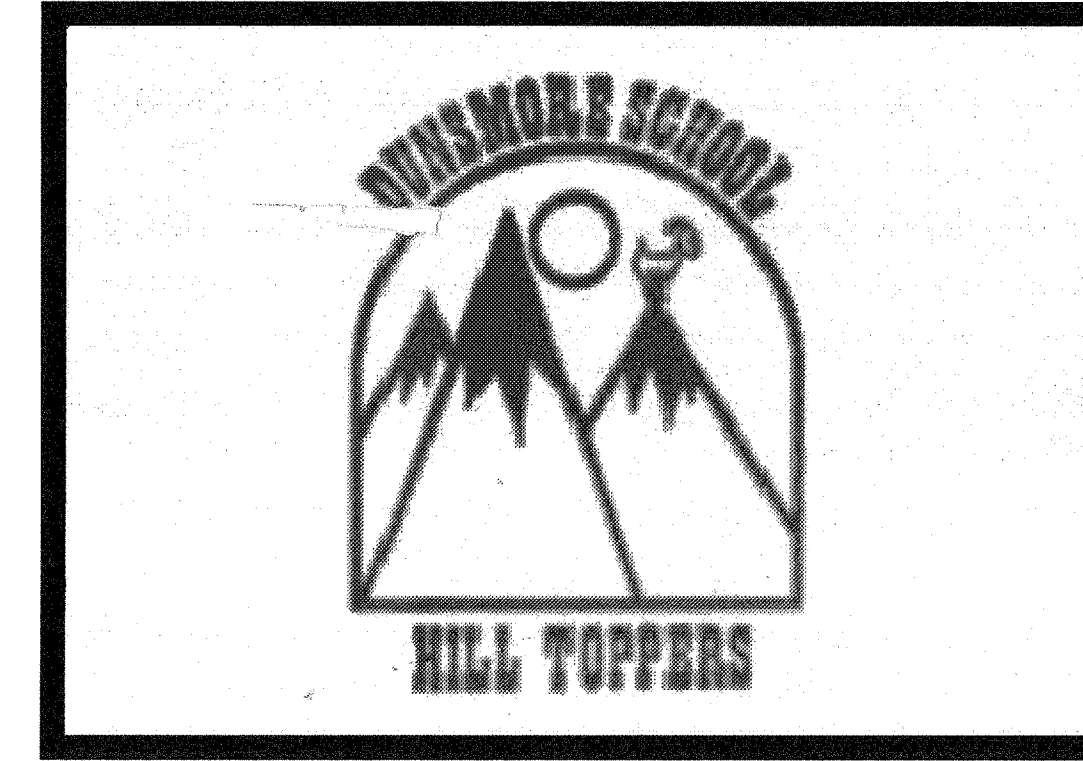
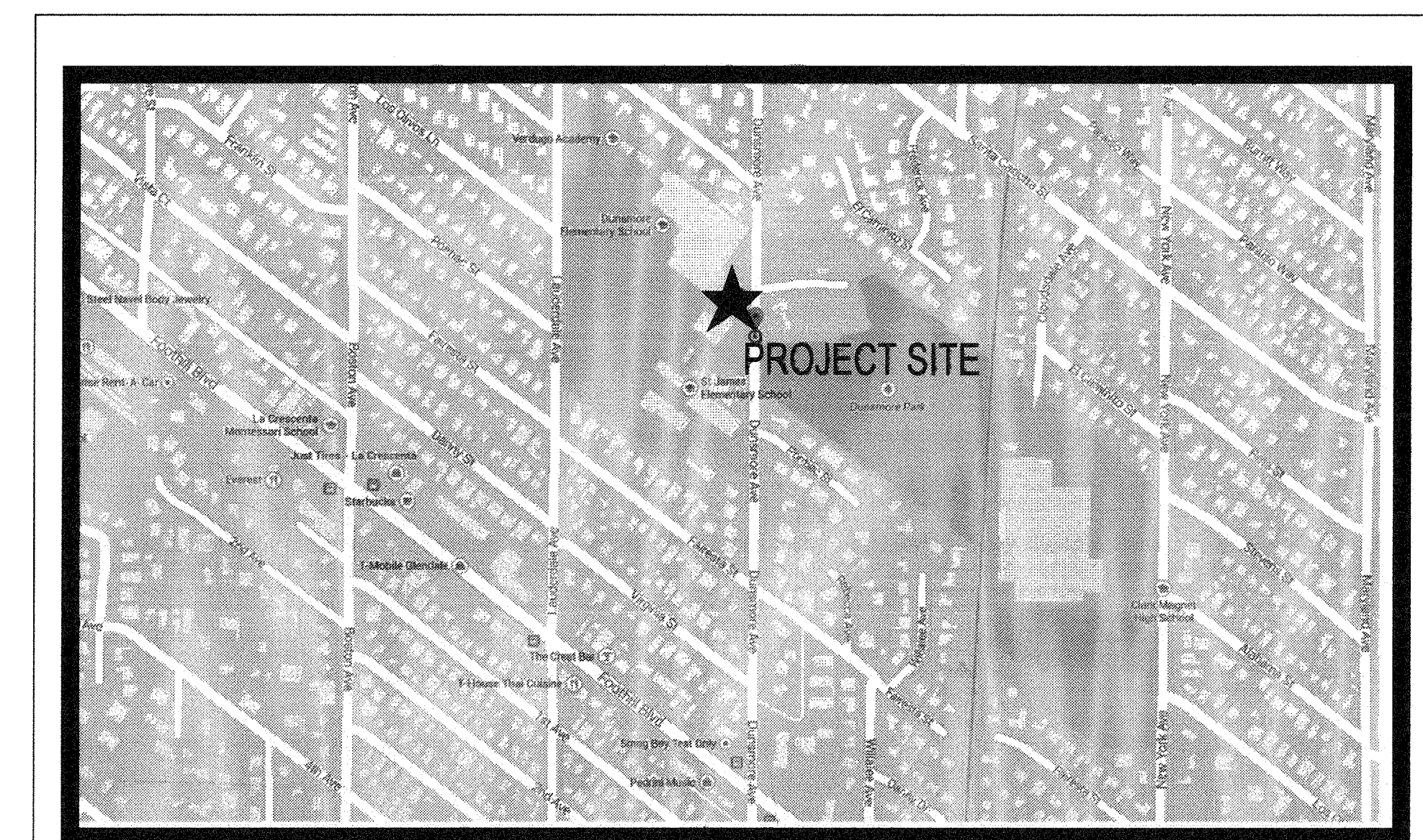
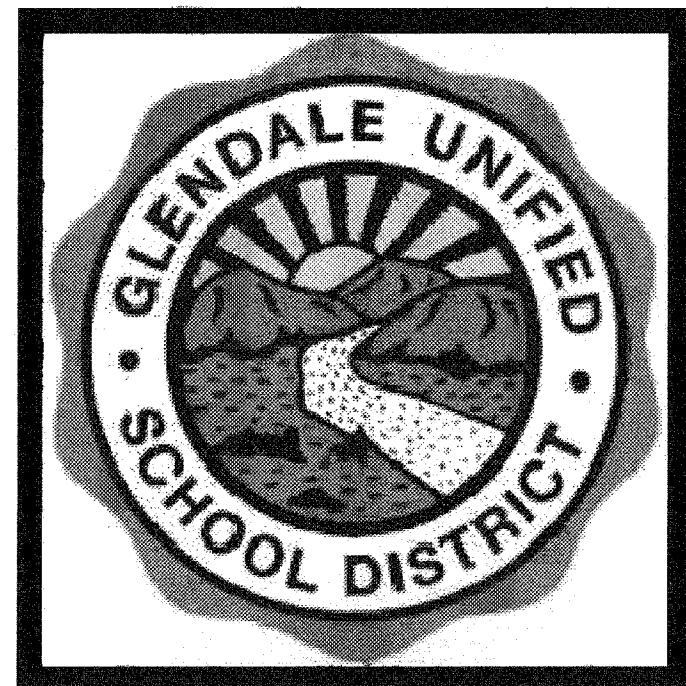


NEW SHADE STRUCTURE DUNSMORE ELEMENTARY SCHOOL

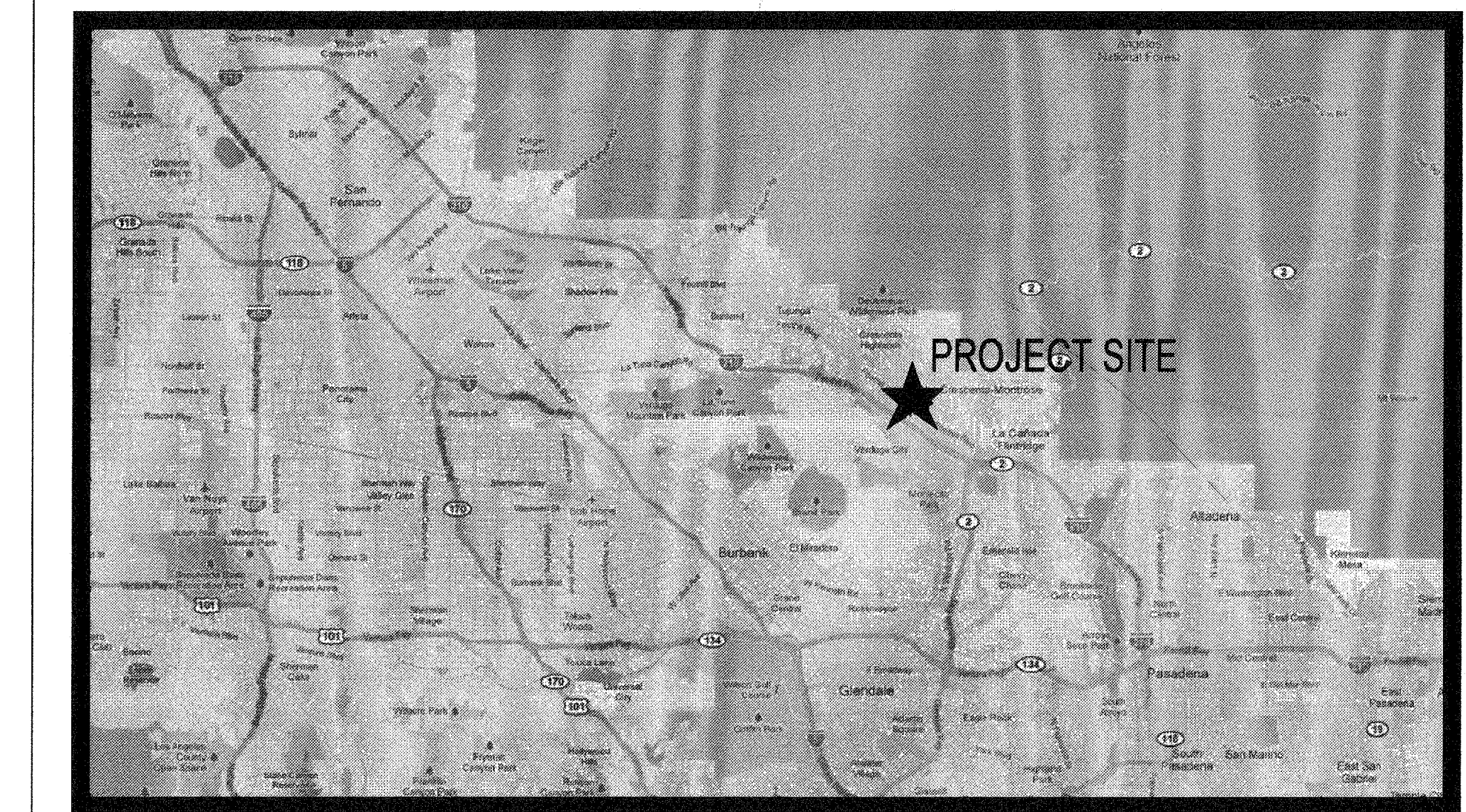
4717 DUNSMORE AVE., LA CRESCENTA, CALIFORNIA



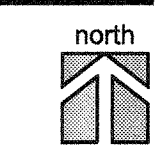
GLENDALE UNIFIED SCHOOL DISTRICT



VICINITY MAP

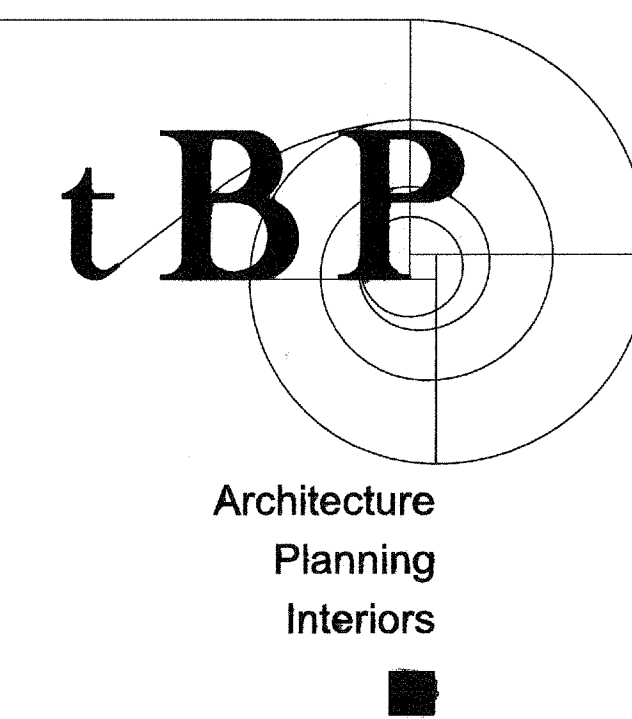


REGIONAL MAP



tBP /Architecture

4611 Teller Avenue - Newport Beach - California - 92660
<http://www.tbparchitecture.com>
 ph: 949.673.0300 - fx: 949.732.3895



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 architecture
 planning
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ARCHITECT OF RECORD
 LICENSE NO. 12518
 STATE OF CALIFORNIA

tBP/Architecture
 4611 Teller Avenue
 Newport Beach, CA 92660
 ph: 949.673.0300 fx: 949.732.3895

architect

consultant

FILE NO. _____
 IDENTIFICATION STAMP
 DIVISION OF THE STATE ARCHITECT
 DEPARTMENT OF GENERAL SERVICES

APPLICATION NO.
 02-117044

DATE
 APR 29 2016

DEPARTMENT OF GENERAL SERVICES
 DSA Los Angeles Regional Office
 700 N. Alameda Street, Suite 5-500
 Los Angeles, California 90012
 ph: (213)897-3895 fx: (213)897-3159/0726

NEW SHADE STRUCTURE
 DUNSMORE ELEMENTARY SCHOOL

4717 DUNSMORE AVE.
 LA CRESCENTA, CALIFORNIA 91214

GLENDALE UNIFIED SCHOOL DISTRICT

owner

tBP project number : 2007.00

file name: _____

drawn by: _____ checked by: _____

date: FEB. 9, 2016

Rev. date: _____ description: _____

THIS DRAWING AND THE DESIGN, SPECIFICATIONS, IDEAS AND OTHER INFORMATION CONTAINED HEREIN CONSTITUTE UNPUBLISHED WORK OF tBP/ARCHITECTURE AND SHALL REMAIN THE PROPERTY OF tBP/ARCHITECTURE IN PERPETUITY. NO PART THEREOF SHALL BE REPRODUCED, COPIED, DISSEMINATED, SOLD, PUBLISHED OR OTHERWISE USED IN ANY WAY WITHOUT THE ADVANCED EXPRESS WRITTEN CONSENT OF tBP/ARCHITECTURE.

drawing title:

COVER SHEET

drawing no.:

T-1

drawing of

ABBREVIATIONS

Table listing abbreviations for materials and components, including AND, ANGLE, AT, CENTERLINE, DIAMETER OR ROUND, NUMBER, ANCHOR BOLT, ASPHALTIC CONCRETE, etc.

DRAWING LIST

Table listing drawing titles and sheet counts, including GENERAL (NO. OF DRAWINGS - 3), ARCHITECTURAL DRAWINGS (NO. OF DRAWINGS - 2), and 20x40 SHADE STRUCTURE (NO. OF DRAWINGS - 10).

Statement of General Conformance

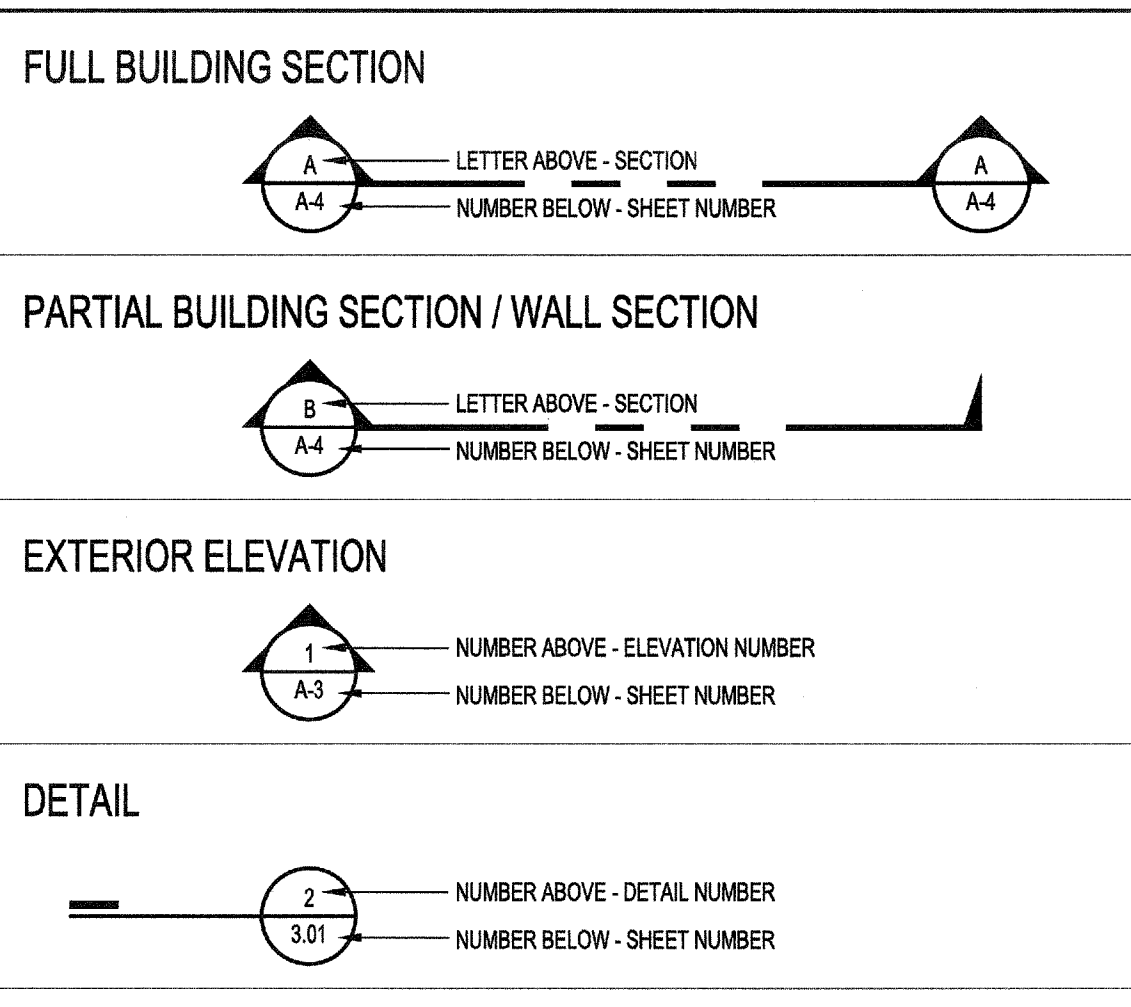
(Application No. A* 03-117044 File No. 19-41)
The drawings or sheets listed on the cover or index sheet [marked with asterisk (*)]
This drawing, page of specifications/calculations
have been prepared by other design professionals or consultants who are licensed and/or authorized to prepare such drawings in this state.

SUMMARY OF WORK

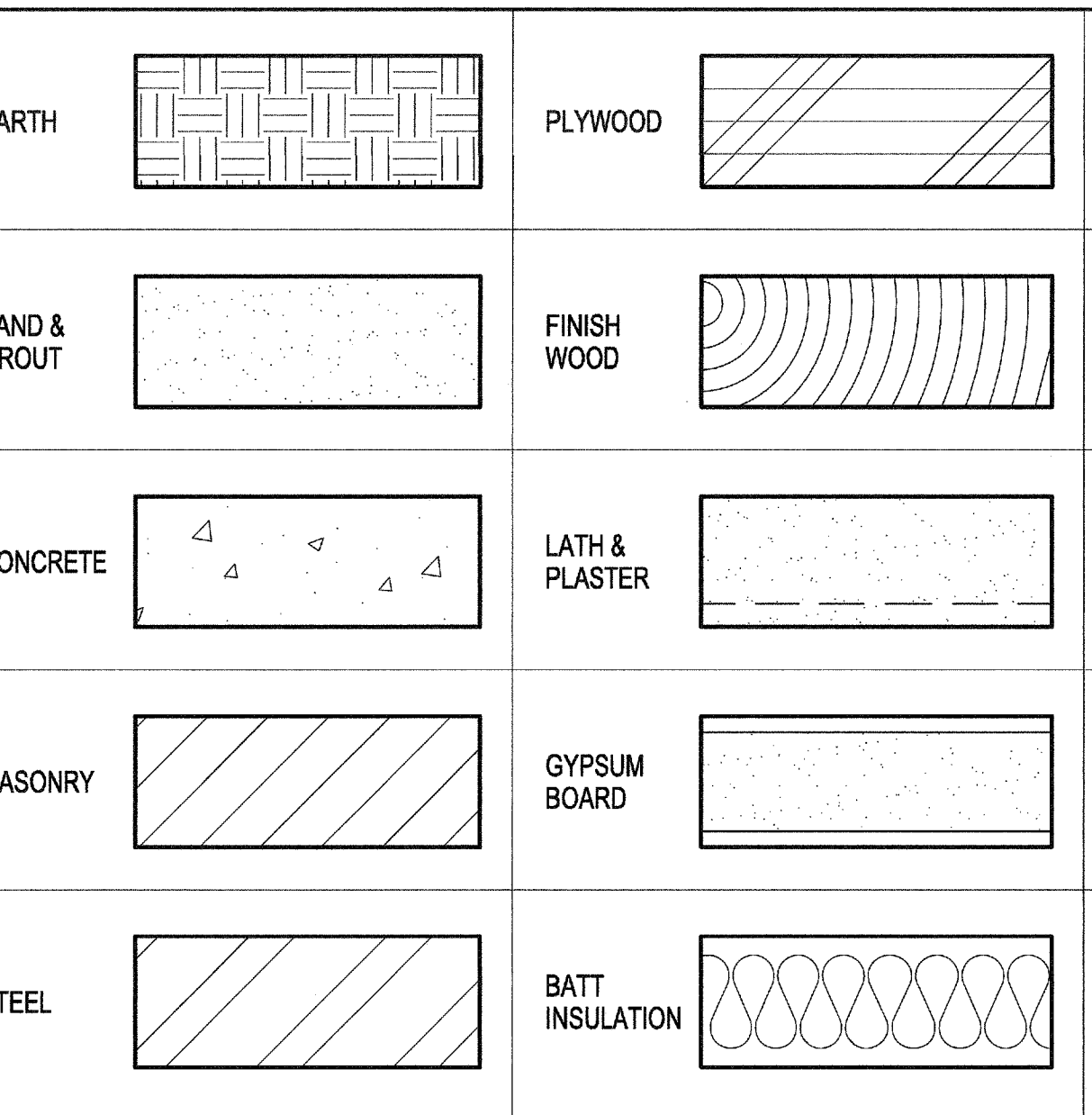
Table detailing project information: OCCUPANCY GROUP: A-3, CONSTRUCTION TYPE: TYPE-V-B, NON-SPRINKLERED. Includes ALLOWABLE BUILDING AREA table and ACTUAL BUILDING AREA table.

Professional seal and contact information for tBBP Architecture, Planning & Interiors, including address and phone number.

REFERENCE SYMBOLS



MATERIAL SYMBOLS



GENERAL NOTES

ALL WORK TO CONFORM TO 2013 EDITION TITLE 24, CALIFORNIA CODE OF REGULATIONS (CCR)
CHANGES TO THE APPROVED DRAWINGS AND SPECIFICATIONS SHALL BE MADE BY ADDENDA OR CHANGE ORDERS APPROVED BY THE DIVISIONS OF THE STATE ARCHITECT, AS REQUIRED BY SECTION 4-338, PART 1, TITLE 24, CCR.

APPLICABLE CODES

APPLICABLE CODES AS OF JANUARY 1, 2014:
2013 CALIFORNIA ADMINISTRATIVE CODE, PART 2, TITLE 24 C.C.R.
2013 CALIFORNIA BUILDING CODE (C.B.C.), PART 2, TITLE 24 C.C.R.
2013 CALIFORNIA ELECTRICAL CODE (C.E.C.), PART 3, TITLE 24 C.C.R.
2013 CALIFORNIA MECHANICAL CODE (C.M.C.), PART 4, TITLE 24 C.C.R.

PROJECT DIRECTORY

OWNER: GLENDALE UNIFIED SCHOOL DISTRICT
340 WEST MAGNOLIA
GLENDALE, CA 91204
PHONE: (818) 507-0201
ARCHITECT: tBBP ARCHITECTURE
4611 TELLER AVENUE
NEWPORT BEACH, CA 92660
PHONE: (949) 673-0300

Professional seal and stamp for the State Architect, Department of General Services, dated APR 29 2016.

Vertical project title block for NEW SHADE STRUCTURE, DUNSMORE ELEMENTARY SCHOOL, 4717 DUNSMORE AVE., LA CRESCENTA, CALIFORNIA 91214.

Project metadata including IBP project number (2987.00), file name, drawing title (SHT, INDEX, GEN. NOTES, & CODE ANALYSIS), and drawing number (T-2).

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 Policy 08-01.

PROJECT INFORMATION
School District/Owner: Glendale Unified School District
Project Name/School: Dunsmore Elementary
Project Address: 4717 Dunsmore Ave., La Crescenta, CA 91214

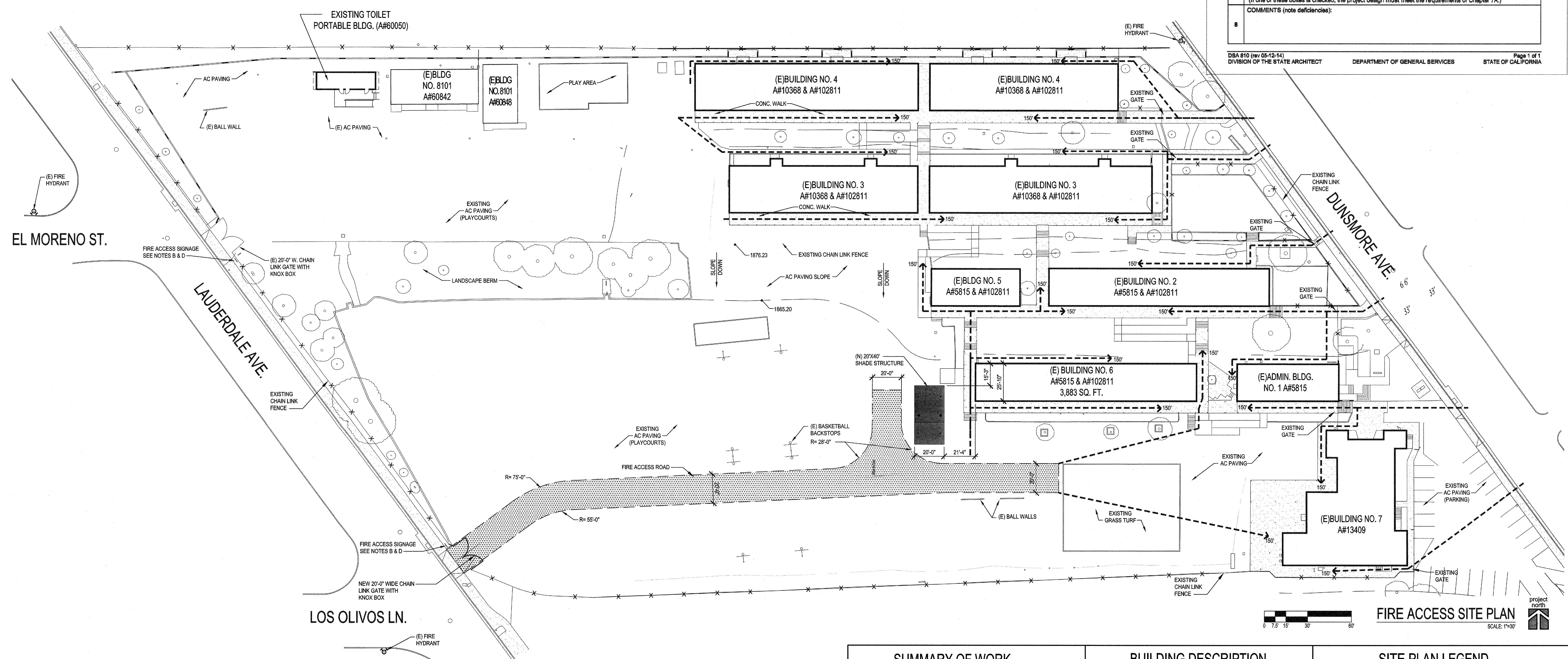
LOCAL FIRE AUTHORITY (LFA)

LFA Agency Name:
LFA Reviewer Name:
LFA Reviewer Title:
LFA Reviewer Signature:
Date: 7/29/15

APPROVED
I have reviewed and responded to the applicable items for this project as listed below.
Note: Only sign this form when it is stamped onto the site plan. A loose form is not acceptable to DSA.

Table with 8 columns: Description, Y, N, NA, NR. Contains fire safety checklist items such as elevator compliance, access roads, fire hydrant location, and deflector check valve assembly.

Signature of School District Official:
Print the School District Official's Name:
The location(s) of the proposed post indicator valve and fire department connection meet the requirements of this jurisdiction.
The location(s) of the deflector check valve assembly meet the requirements of this jurisdiction.



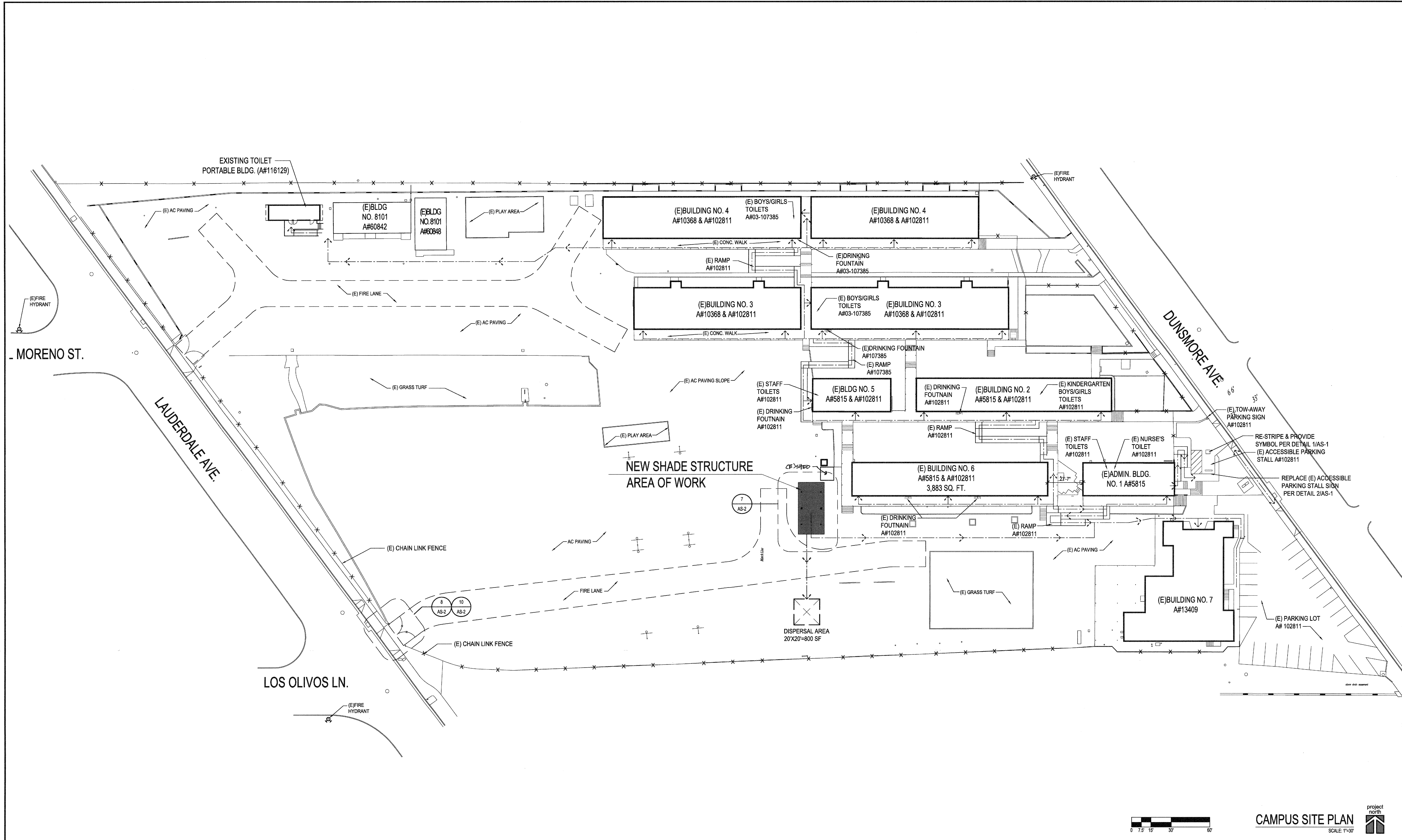
Summary of Work, Building Description, Site Plan Legend, Fire Department Notes, and Fire Flow Analysis table. Includes a table with columns for Fire Area, Fire Flow (GPM), and Fire Duration (Hours).

BBP Architecture logo and contact information: 4611 Teller Avenue, Newport Beach, CA 92660. Phone: 949.673.0300. Fax: 949.732.3895.

Department of General Services stamp: IDENTIFICATION STAMP, DIVISION OF THE STATE ARCHITECT, DEPARTMENT OF GENERAL SERVICES. Application No. 03-117044, Date APR 29 2016.

Owner information: NEW SHADE STRUCTURE, DUNSMORE ELEMENTARY SCHOOL, 4717 DUNSMORE AVE, LA CRESCENTA, CALIFORNIA 91214, GLENDALE UNIFIED SCHOOL DISTRICT.

Project details: tBP project number: 20807.00, file name, drawn by, checked by, date, Rev. date, description, drawing title: FIRE ACCESS SITE PLAN, drawing no.: T-3.



0 7.5 15 30 60
CAMPUS SITE PLAN
 SCALE: 1"=30'
 project north

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 architecture
 planning
 interiors

ARCHITECT OF RECORD
 ARCHITECT & ENGINEERS
 LICENSED
 STATE OF CALIFORNIA

tBP/Architecture
 4611 Teller Avenue
 Newport Beach, CA 92660
 ph: 949.673.0300 fx: 949.732.3995

architect

consultant

FILE NO.:
 IDENTIFICATION STAMP
 DIVISION OF THE STATE ARCHITECT
 DEPARTMENT OF GENERAL SERVICES

APPLICATION NO.
 13-117044

DATE: APR 29 2016

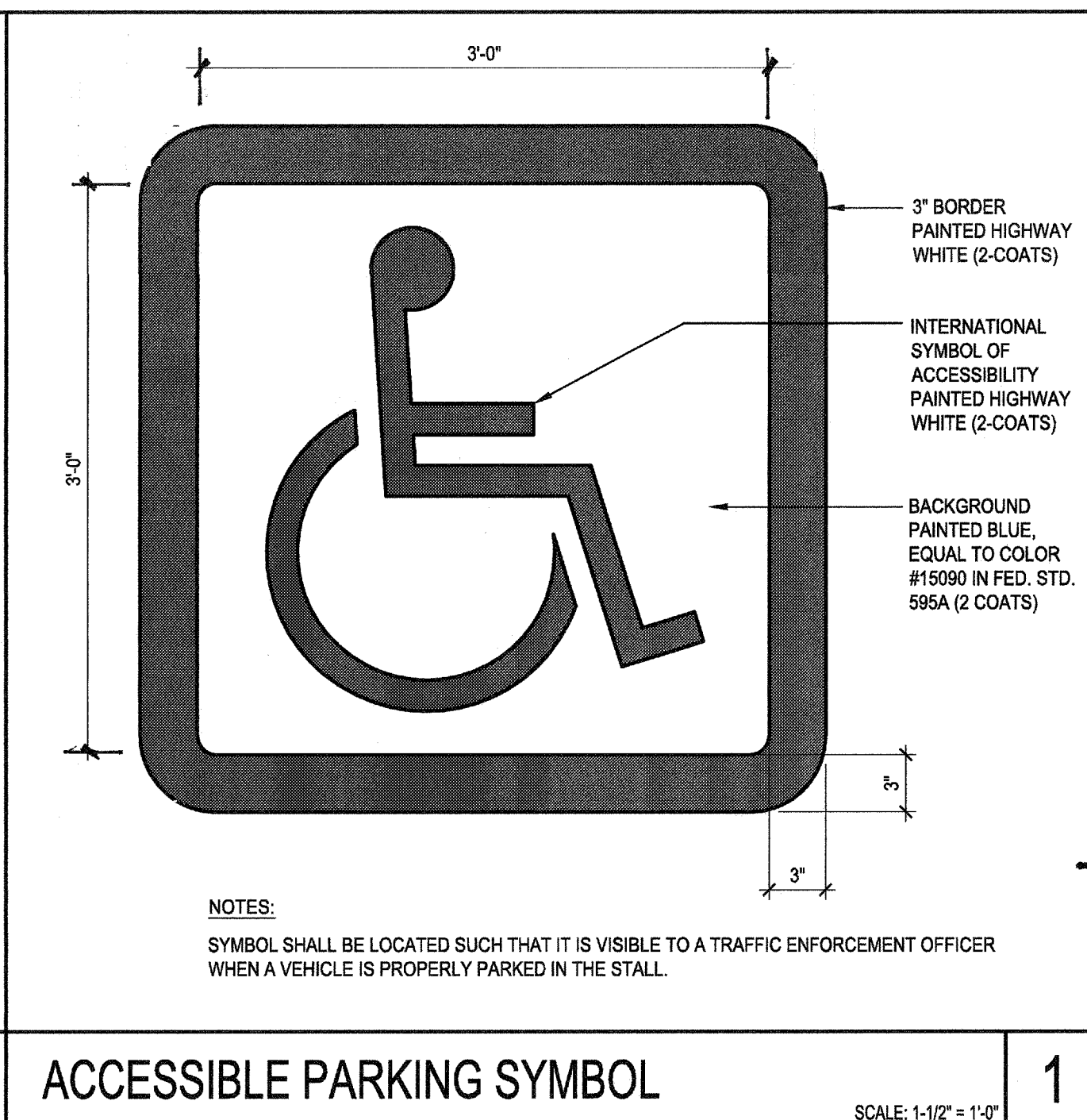
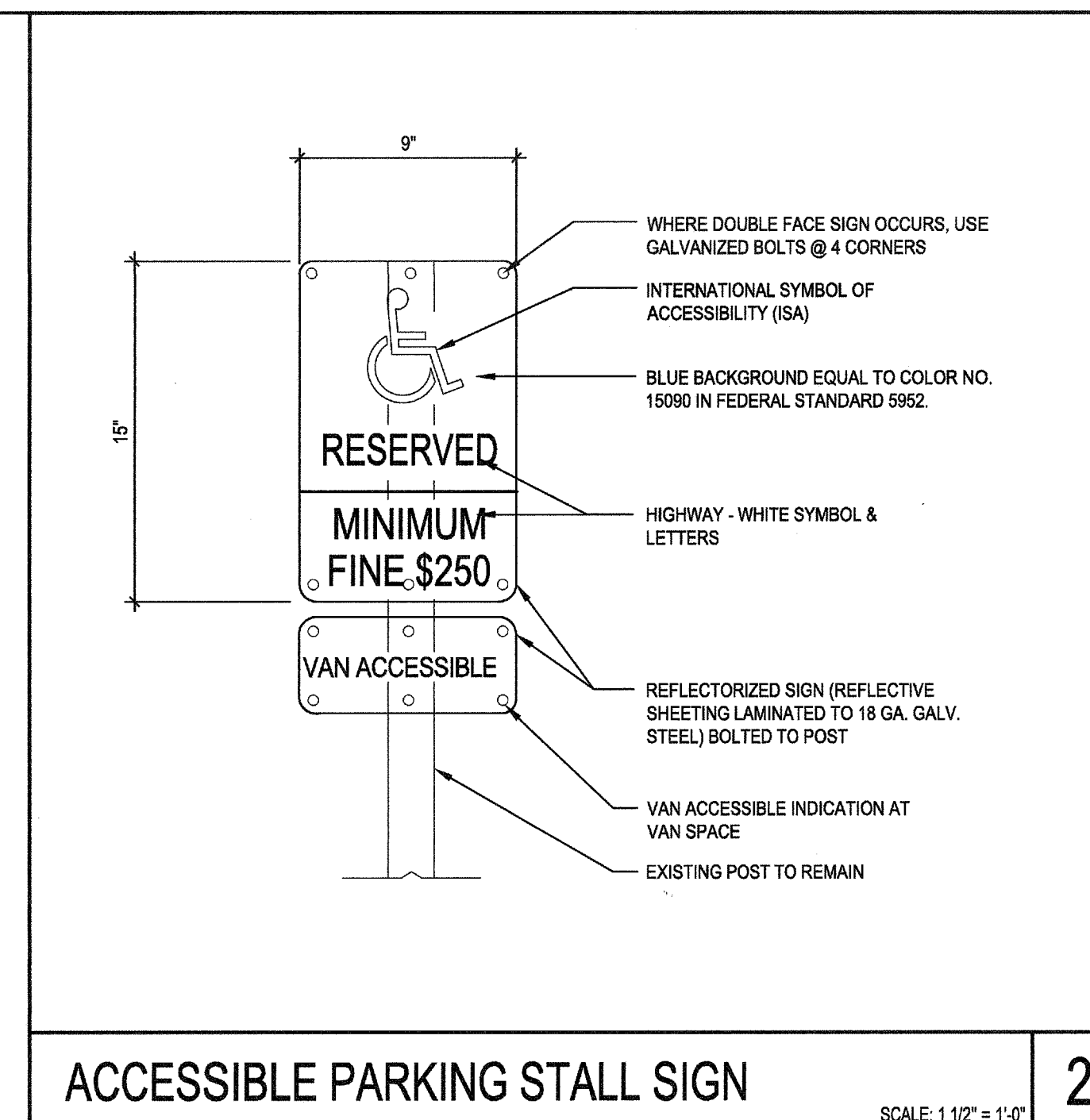
DEPARTMENT OF GENERAL SERVICES
 DSA Los Angeles Regional Office
 700 N. Alameda Street, Suite 5-500
 Los Angeles, California 90012
 ph: (213)897-3995 fx: (213)897-3159/0726

**NEW SHADE STRUCTURE
 DUNSMORE ELEMENTARY SCHOOL**

4717 DUNSMORE AVE.
 LA CRESCENTA, CALIFORNIA 91214

GLENDALE UNIFIED SCHOOL DISTRICT

owner



FLOOD DESIGN INFORMATION

THE FLOOD ZONE DESIGNATION	ZONE X
THE FLOOD INSURANCE RATE MAP (FIRM) PANEL DESIGNATION	06037C1335F
EFFECTIVE DATE OF THE FIRM	09-26-2008
BASE FLOOD ELEVATION (BFE)	N/A
APPLICABLE COMMUNITY ORDINANCE SECTION	N/A

PARKING TABULATION

PARKING LOT:	26 PARKING STALLS 1 ACCESSIBLE PARKING STALL
--------------	---

FIRE EXTINGUISHER NOTE

1. VERIFY EXISTING FIRE EXTINGUISHER WITHIN 75'-0" TRAVEL DISTANCE. OTHERWISE PROVIDE NEW EXTINGUISHER PER CFC 909.

SITE PLAN LEGEND

— — — — — PATH OF TRAVEL

DESIGN PROFESSIONAL IN GENERAL RESPONSIBLE CHARGE STATEMENT: THE POT IDENTIFIED IN THESE CONSTRUCTION DOCUMENTS IS COMPLIANT WITH THE CURRENT APPLICABLE CALIFORNIA BUILDING CODE ACCESSIBILITY PROVISIONS FOR THE PATH OF TRAVEL REQUIREMENTS FOR ALTERATIONS, ADDITIONS AND STRUCTURAL REPAIRS. AS PART OF THE DESIGN OF THIS PROJECT, THE POT WAS EXAMINED AND ANY ELEMENTS, COMPONENTS OR PORTIONS OF THE POT THAT WERE DETERMINED TO BE NONCOMPLIANT 1) HAVE BEEN IDENTIFIED AND 2) THE CORRECTIVE WORK NECESSARY TO BRING THEM INTO COMPLIANCE HAS BEEN INCLUDED WITHIN THE SCOPE OF THIS PROJECT'S WORK THROUGH DETAILS, DRAWINGS AND SPECIFICATIONS INCORPORATED INTO THESE CONSTRUCTION DOCUMENTS. ANY NONCOMPLIANT ELEMENTS, COMPONENTS OR 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. ARCHITECT HAS VERIFIED P.O.T. IS BARRIER FREE.

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

— X — FENCE

tBP project number : 20807.00

file name:

drawn by: cl checked by:

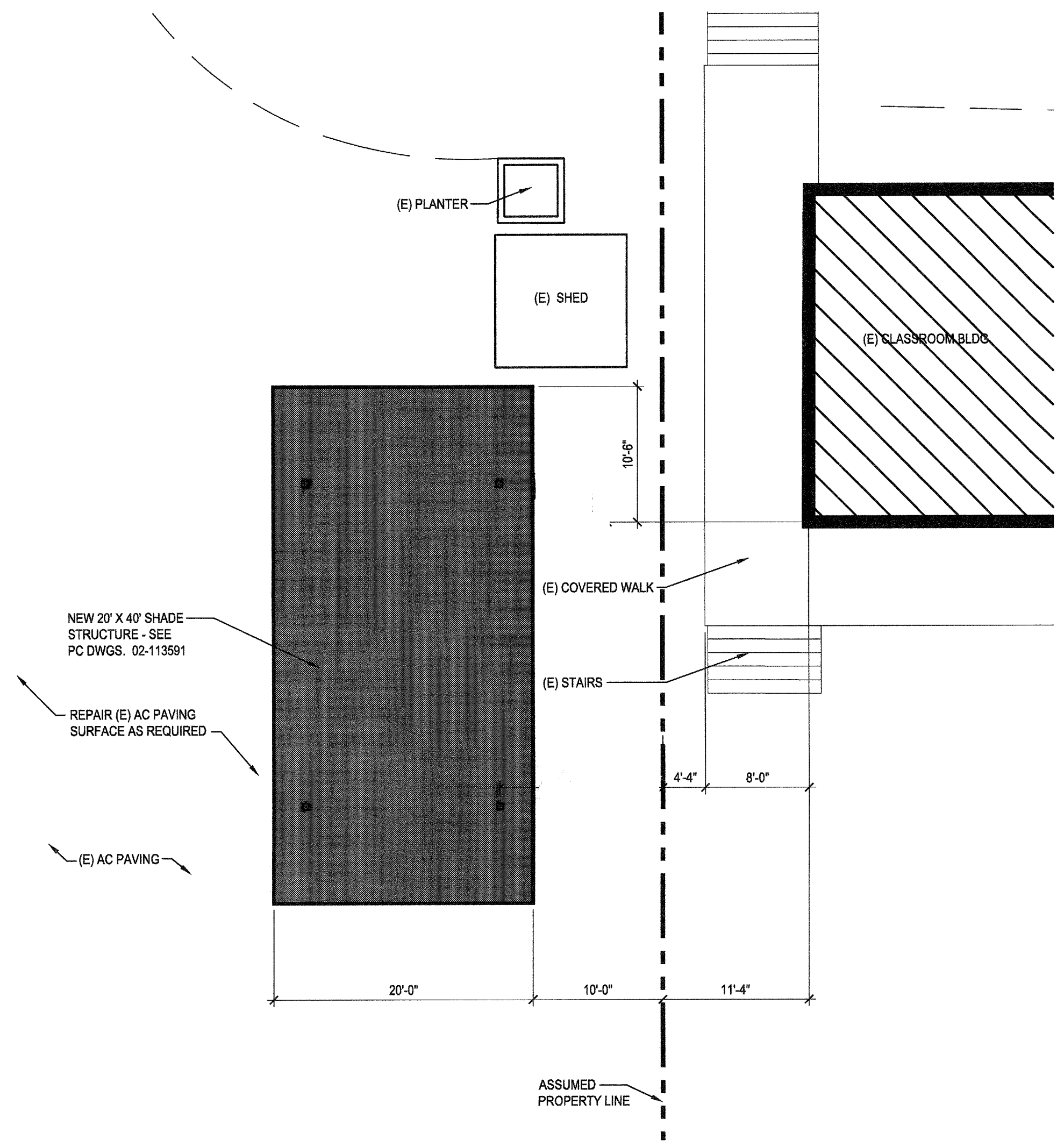
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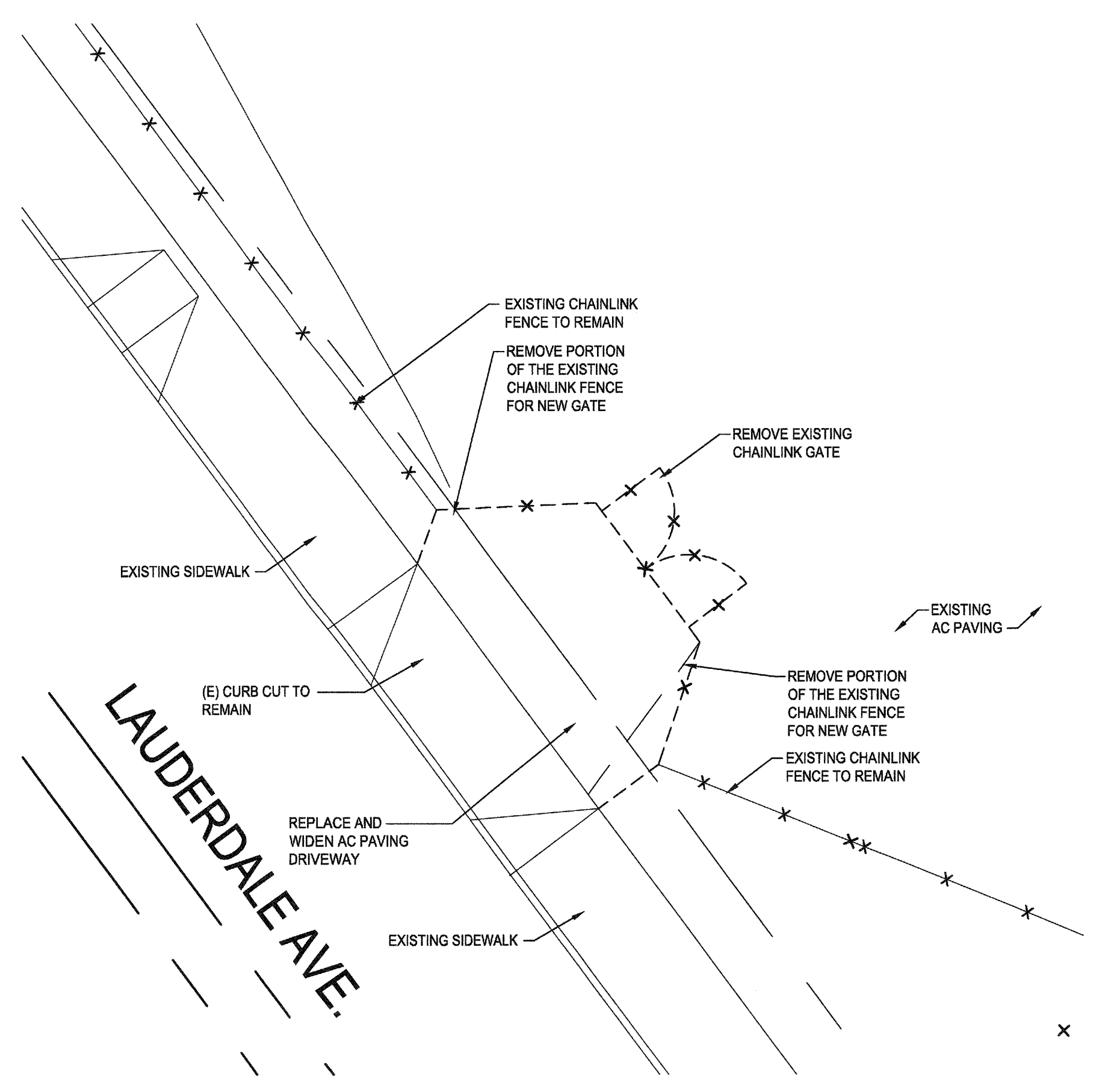
THIS DRAWING AND THE DESIGN, SPECIFICATIONS, LEGEND AND OTHER INFORMATION CONTAINED HEREIN CONSTITUTE UNPUBLISHED WORK OF tBP/ARCHITECTURE. NO PART THEREOF SHALL BE REPRODUCED, DISCLOSED, DISTRIBUTED, SOLD, PUBLISHED OR OTHERWISE USED IN ANY WAY WITHOUT THE ADVANCED EXPRESS WRITTEN CONSENT OF tBP/ARCHITECTURE.

drawing title:
OVERALL SITE PLAN

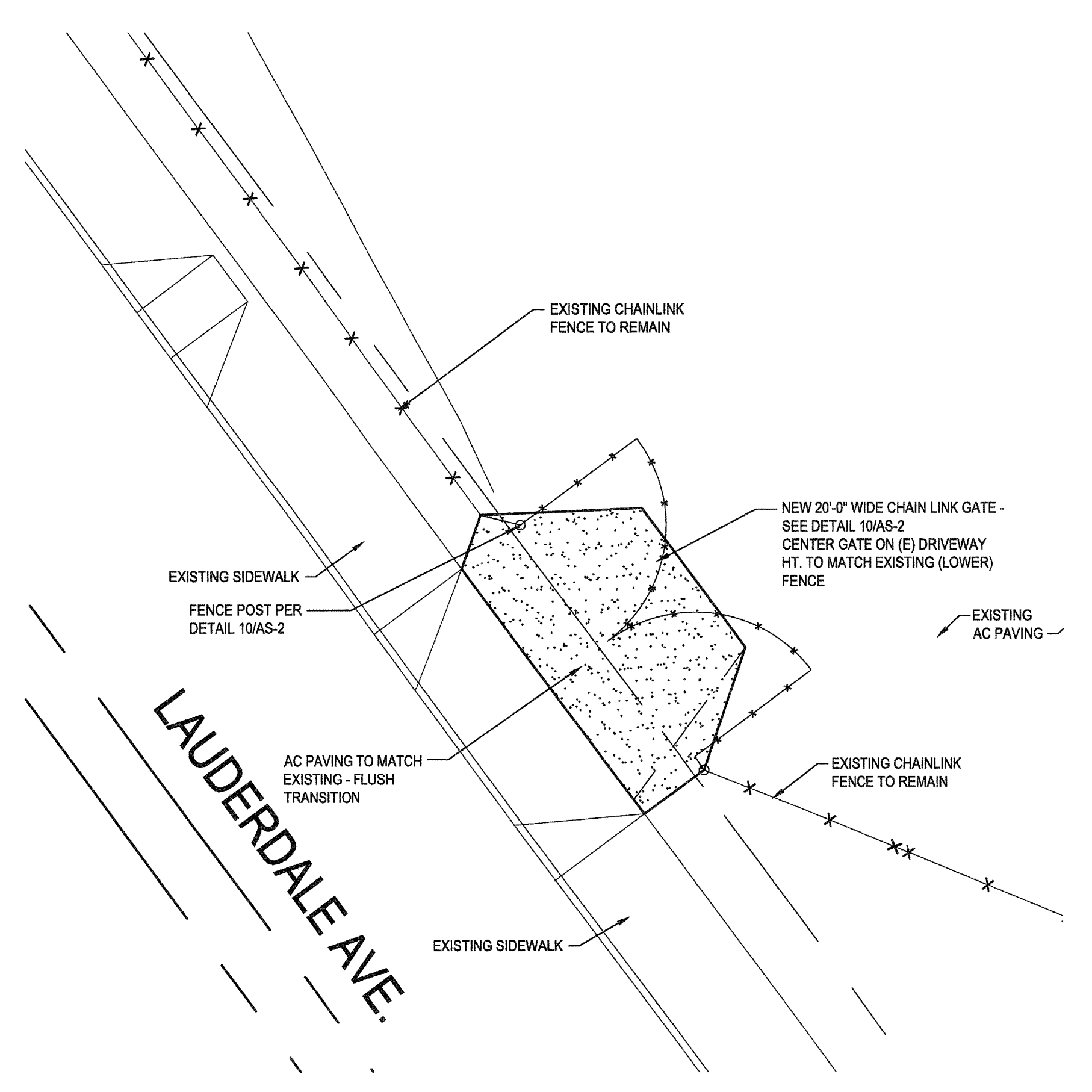
drawing no.:
AS-1
 drawing of



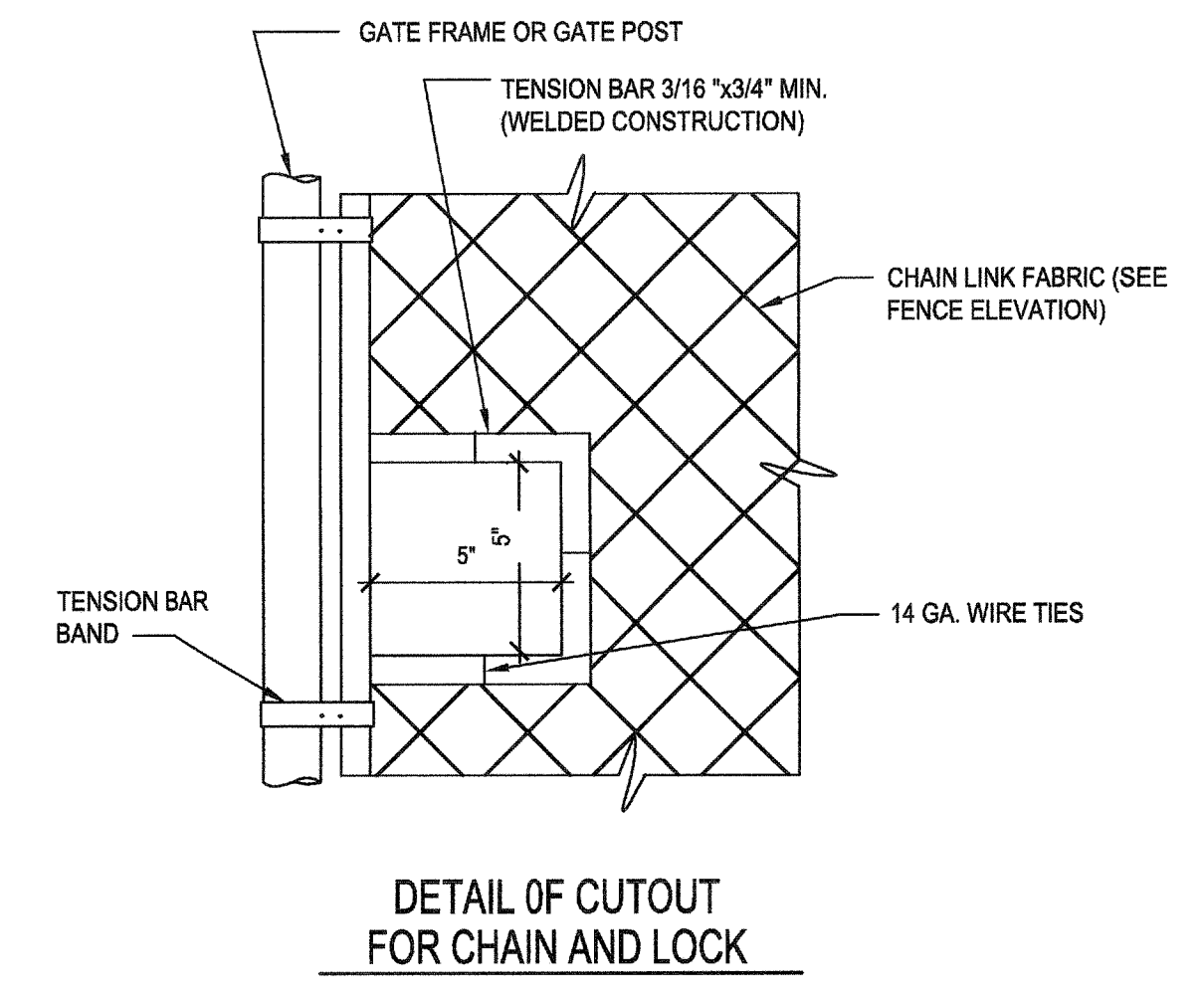
ENLARGED SITE PLAN SCALE: 1/8" = 1'-0" 7



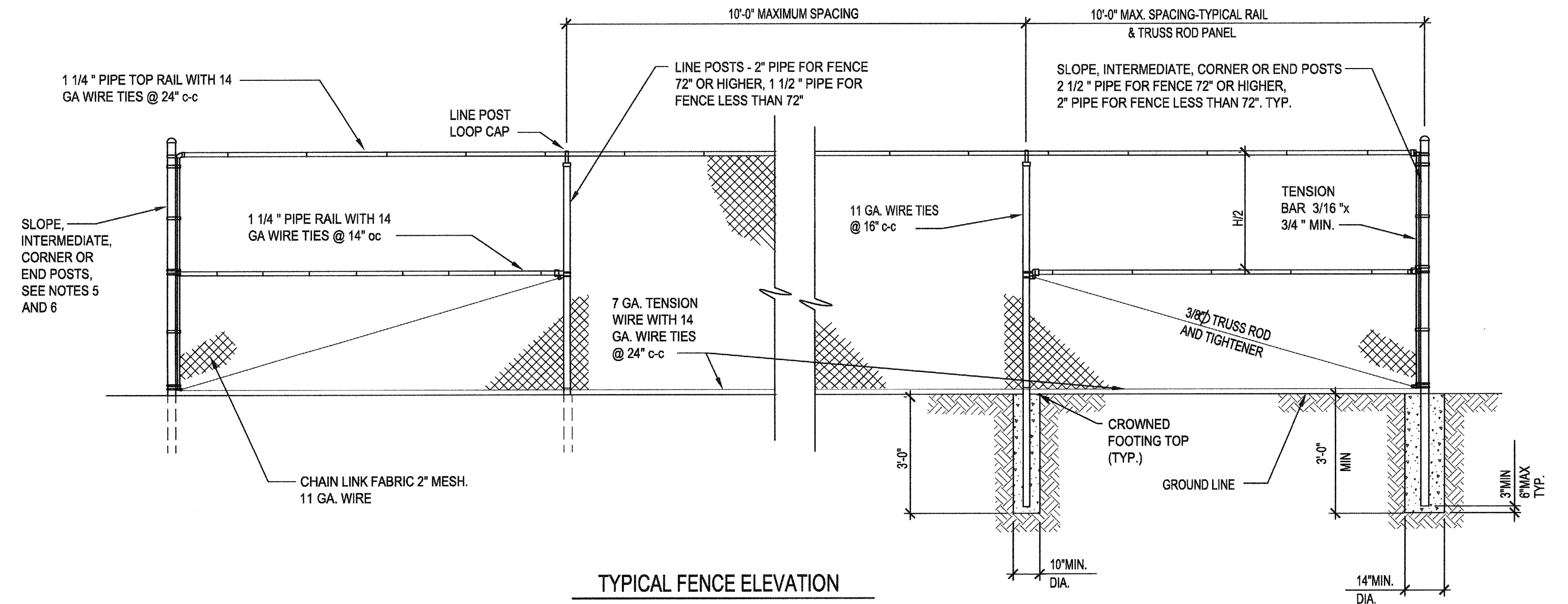
ENLARGED DEMOLITION SITE PLAN SCALE: 1/8" = 1'-0" 8



ENLARGED SITE PLAN SCALE: 1/8" = 1'-0" 10



DETAIL OF CUTOUT FOR CHAIN AND LOCK



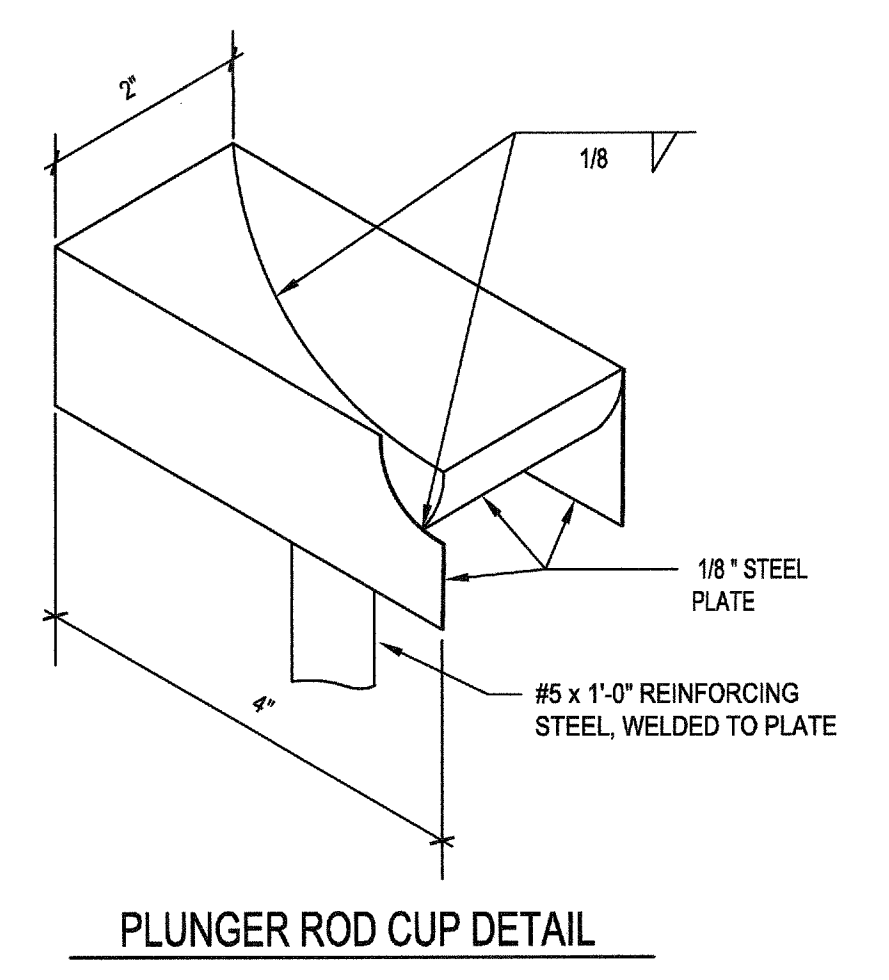
TYPICAL FENCE ELEVATION

GATE POST FOOTING SCHEDULE			
GATE WIDTH		FOOTING MIN. DEPTH D	
SINGLE GATE	DOUBLE GATE	H TO 6'	H 6 TO 8'
TO 8'	TO 24'	4'-0"	4'-0"

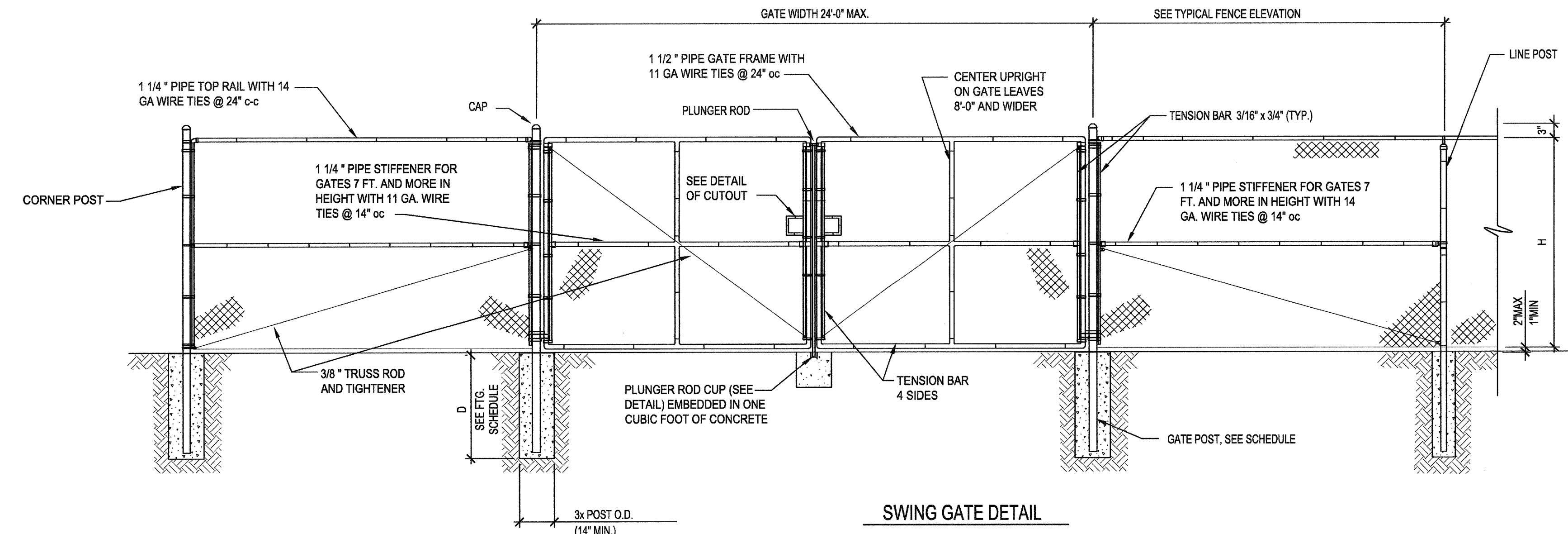
GATE POST SCHEDULE				
FENCE HEIGHT (H)	GATE WIDTH	NOMINAL SIZE OF PIPE INCHES	ACTUAL O.D. INCHES	WEIGHT PER FOOT POUNDS
6 FEET TO 8 FEET INCLUSIVE	SINGLE GATES 6 FEET OR LESS AND DOUBLE GATES 12 FEET OR LESS	2 1/2	2.875	5.79
6 FEET TO 8 FEET INCLUSIVE	SINGLE GATES 6 TO 12 FEET AND DOUBLE GATES 12 TO 24 FEET	3 1/2	4.00	9.11

NOTES

- FABRIC SHALL HAVE KNUCKLED FINISH ON BOTH TOP AND BOTTOM EDGES.
- ALL GATE HINGES SHALL BE HEAVY DUTY MALLEABLE IRON OR STEEL, INDUSTRIAL SERVICE TYPE AND NOT LESS THAN 3-INCHES IN WIDTH.
- ALL TIES SHALL BE GALVANIZED STEEL.
- TOP CAP SHALL BE SECURED TO POST USING 1/4-INCH RIVET.
- CORNER OR SLOPE POSTS SHALL BE INSTALLED WHEN THE CHANGE IN DEFLECTION ANGLE IS 30 DEGREES OR MORE AT CORNER OR SLOPE POINTS. CONSTRUCT SLOPE POSTS AS THOUGH THEY WERE CORNER POSTS.
- INTERMEDIATE POSTS SHALL BE PROVIDED WHEN THE DISTANCE BETWEEN CORNER OF SLOPE POSTS EXCEEDS 300 FEET. THEY SHALL BE CONSTRUCTED AS THOUGH THEY WERE CORNER OR SLOPE POSTS.
- THREADS OF ALL 3/8-INCH ROUND TRUSS RODS SHALL BE PEENED AFTER INSTALLATION.
- WHEN TOP RAIL IS OMITTED BY PLAN, PROVIDE 7-GAGE TENSION WIRE WITH 11-GAGE FABRIC TIES OR HOG RINGS SPACED AT 24-INCH INTERVALS.
- GATES SHALL BE PROVIDED WITH A COMBINATION SPRING LATCH AND PLUNGER ROD, APPROVED BY THE ENGINEER.
- TENSION WIRE SHALL BE SECURELY FASTENED TO THE TERMINAL POSTS AND BE TAUT AND FREE OF SAG.
- THE FABRIC SHALL BE PLACED ON THE OUTWARD FACING SIDE OF THE POSTS, STRETCHED TAUT, AND FASTENED SECURELY.



PLUNGER ROD CUP DETAIL



SWING GATE DETAIL

DESIGN VALUES:

Table with columns: DESCRIPTION, DESIGN VALUES. Rows include: DEAD AND LIVE LOADS, ALLOWABLE SOIL PRESSURE, ROOF SNOW LOAD, FLOOD DESIGN, WIND DESIGN, SEISMIC DESIGN, ARCHITECTURAL REQUIREMENTS.

GENERAL:

- 1. GENERAL NOTES AND TYPICAL DETAILS SHALL APPLY TO ALL PARTS OF THE JOB EXCEPT WHERE THEY MAY CONFLICT WITH DETAILS AND NOTES ON OTHER SHEETS. WHERE CONDITIONS ARE NOT SPECIFICALLY INDICATED BUT ARE OF SIMILAR CHARACTER TO DETAILS SHOWN, SIMILAR DETAILS OF CONSTRUCTION SHALL BE USED SUBJECT TO REVIEW BY THE STRUCTURAL ENGINEER FOR THIS PROJECT.
- 2. WORK SHALL CONFORM TO THE REQUIREMENTS, AS AMENDED TO DATE, OF THE LATEST ADOPTED EDITION OF THE CBC, C.A.C. TITLE 24, AND ALL OTHER LOCAL, STATE AND FEDERAL REGULATIONS.

STRUCTURAL AND MISCELLANEOUS STEEL:

- 1. ALL STRUCTURAL STEEL SHALL BE DETAILED, FABRICATED AND ERECTED 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.

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 RATING OF 20 FT-LB @ (CF F).

BOLTING:

- 1. ALL BOLTS SHOWN ON THESE DRAWINGS ARE ASTM A325 HIGH STRENGTH BOLTS (UNCO), TYPE 3.
- 2. HIGH STRENGTH BOLTS SHALL BE SAMPLED AND TESTED IN COMPLIANCE WITH CBC 2213A.1.
- 3. 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.

FOUNDATIONS:

- 1. ALLOWABLE SOIL PRESSURES ASSUME CLASS 4 SOIL CLASSIFICATION PER CBC TABLE 1806A.
- 2. A GEOTECHNICAL REPORT / LETTER IS REQUIRED AT THE OVER-THE-COUNTER APPOINTMENT FOR EACH PROJECT.
- 3. 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

Table with columns: STRENGTH Fc (28 DAYS), W/C RATIO (NOM AIR ENTRAINED), W/C RATIO (AIR ENTRAINED), SLUMP (± 1"), UNIT WEIGHT (NORMAL WEIGHT). Includes a table for FOUNDATION REQUIREMENTS with columns: Ss REGION, DEAD LOAD (DL), LOAD SCENARIO, SPREAD PAD, DRILLED PIER.

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 40: (#4 BARS AND LARGER)
CR 40: (#3 BARS)
- 2. DETAILING, FABRICATION, AND ERECTION OF REINFORCING BARS SHALL CONFORM TO THE ACI "MANUAL OF STANDARD PRACTICE FOR DETAILING REINFORCING CONCRETE STRUCTURES."

POWDER COATED AND EPOXY PRIMED FINISH:

- 1. ENTIRE POWDER COATING PROCESS COMPLETED IN SAME FACILITY AS STEEL FABRICATION.
- 2. ALL CARBON STEEL MEMBERS (COLUMNS, BEAMS, PLATES, ETC.) PAINTED WITH PRIME COAT PER THE "AISC CODE OF STANDARD PRACTICE" AND THE "AISC SPECIFICATION SECTION M3" (UNLESS NOTED OTHERWISE).
- 3. PARTS PRETREATED IN A 3 STAGE IRON PHOSPHATE WASHER (OR EQUIV).

ABBREVIATIONS:

Table with columns: ACR, AISC, ASM, ASTM, AWS, CBC, CJP, CLR, DEG, DIA, DIM, DSA, EQ, FT, GA, IN, KSI, LH, MAX, MIN, MISC, MPH. Includes a table for MISCELLANEOUS DESIGN OPTIONS with columns: CLEAR HEIGHT, ELECTRICAL CUTOUPS, GUTTERS.

ARCHITECTURAL REQUIREMENTS:

Table with columns: DESCRIPTION, DESIGN VALUES. Rows include: TYPE OF CONSTRUCTION, OCCUPANCY CLASSIFICATION, NUMBER OF STORIES, FIRE HAZARD SEVERITY ZONE, FIRE SPRINKLER SYSTEM.

RELATED BUILDING CODES AND STANDARDS:

- 2013 CALIFORNIA ADMINISTRATIVE CODE (CAC) (Part 1, Title 24, CCR)
- 2013 CALIFORNIA BUILDING CODE (CBC), VOLUMES 1, AND 2 (Part 2, Title 24, CCR)
- 2013 CALIFORNIA ELECTRICAL CODE (CEC) (Part 3, Title 24, CCR)
- 2013 CALIFORNIA MECHANICAL CODE (CMC) (Part 4, Title 24, CCR)
- 2013 CALIFORNIA PLUMBING CODE (CPC) (Part 5, Title 24, CCR)
- 2013 CALIFORNIA FIRE CODE (CFC) (Part 9, Title 24, CCR)
- 2013 CALIFORNIA GREEN BUILDING STANDARDS CODE (Part 11, Title 24, CCR)

SCOPE OF WORK NARRATIVE:

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

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).
- 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

STEP 2: SELECT MISCELLANEOUS OPTIONS FOR YOUR PROJECT

- MAXIMUM CLEAR HEIGHT IS 10'-0". (SEE ARCHITECTURAL VIEWS SHEET FOR REFERENCE)
- MARK UP PCD DRAWINGS WITH SIZE AND LOCATION OF CUTOUPS BEFORE SUBMITTING TO DSA

STEP 3: SELECT APPLICABLE SHEET INDEX FOR YOUR PROJECT

- REFERENCE THE BASE FRAME (STEP 1) AND THE ROOF DECK TYPE (STEP 2)
- IDENTIFY THE APPLICABLE SHEET INDEX

STEP 4: INCLUDE APPLICABLE SHEETS WITH YOUR DSA SUBMITTAL

- EXCLUDE MISC DESIGN OPTIONS SHEET FOR PROJECTS WITHOUT ELECTRICAL CUTOUPS OR GUTTERS

STEP 5: IDENTIFY PROJECT NAME AND SCHOOL DISTRICT

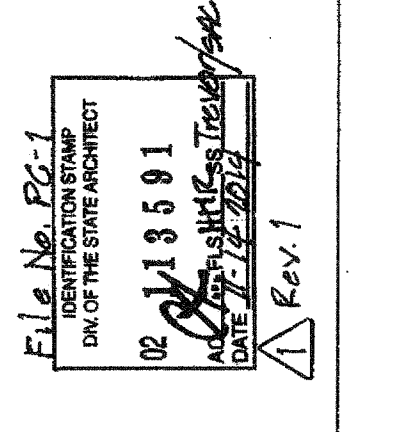
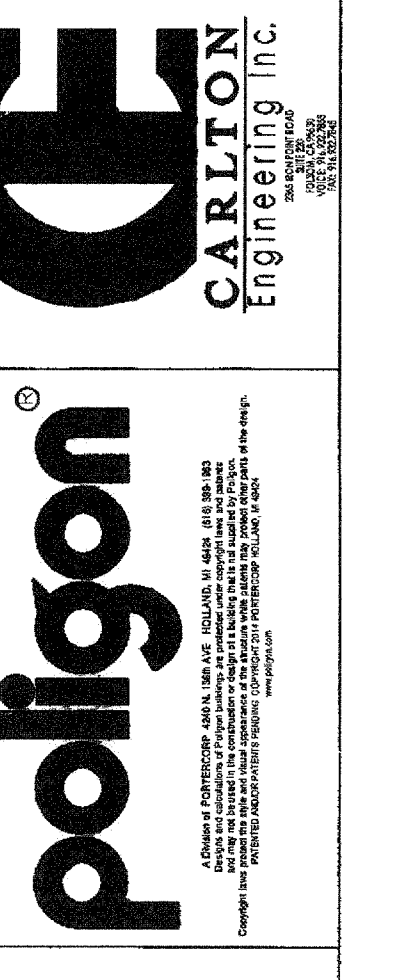
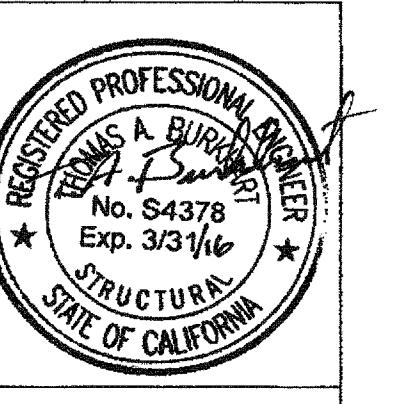
PROJECT NAME: Dunsen Elementary School
SCHOOL DISTRICT: Glendale Unified School District

MISCELLANEOUS DESIGN OPTIONS

Table with columns: CLEAR HEIGHT, ELECTRICAL CUTOUPS, GUTTERS. Includes checkboxes for YES/NO.

SHEET INDEX

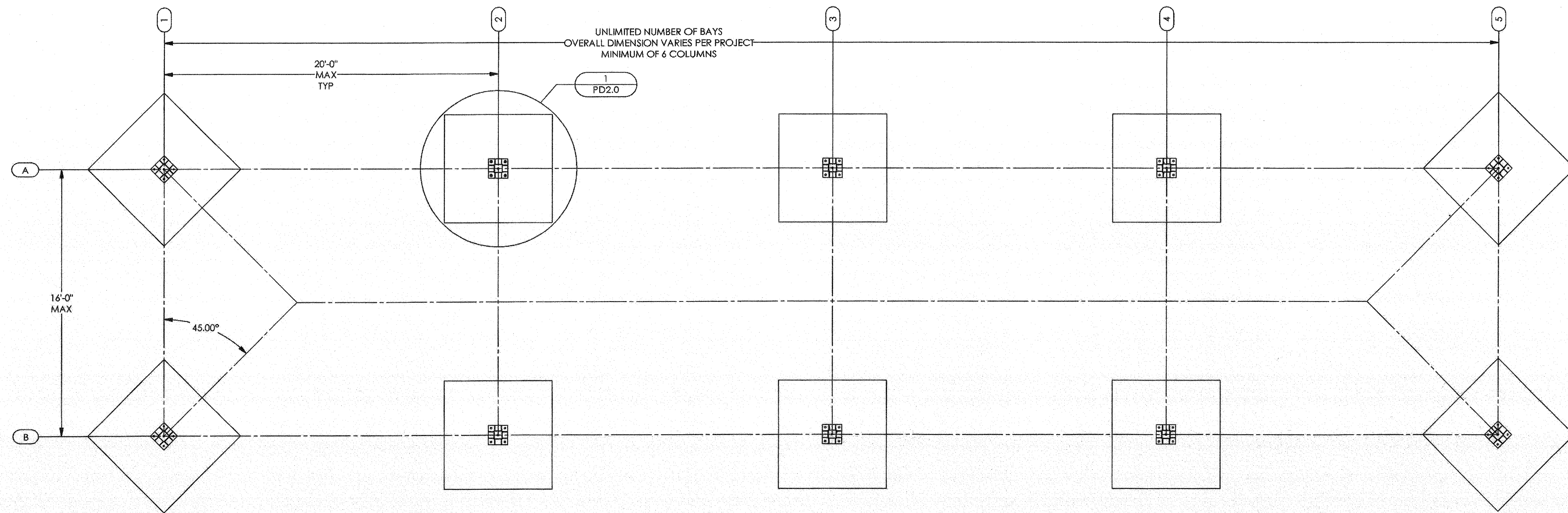
Table with columns: BASE FRAME, ROOF DECK, GENERAL NOTES, SPECIAL INSPECTIONS, FOUNDATION PLAN, FRAMING PLAN, FRAME CONNECTION DETAILS, SECTION DETAILS, FLATZ DETAILS, ARCHITECTURAL VIEWS, ROOF CONNECTION DETAILS, MISC DESIGN OPTIONS.



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

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

2014A



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

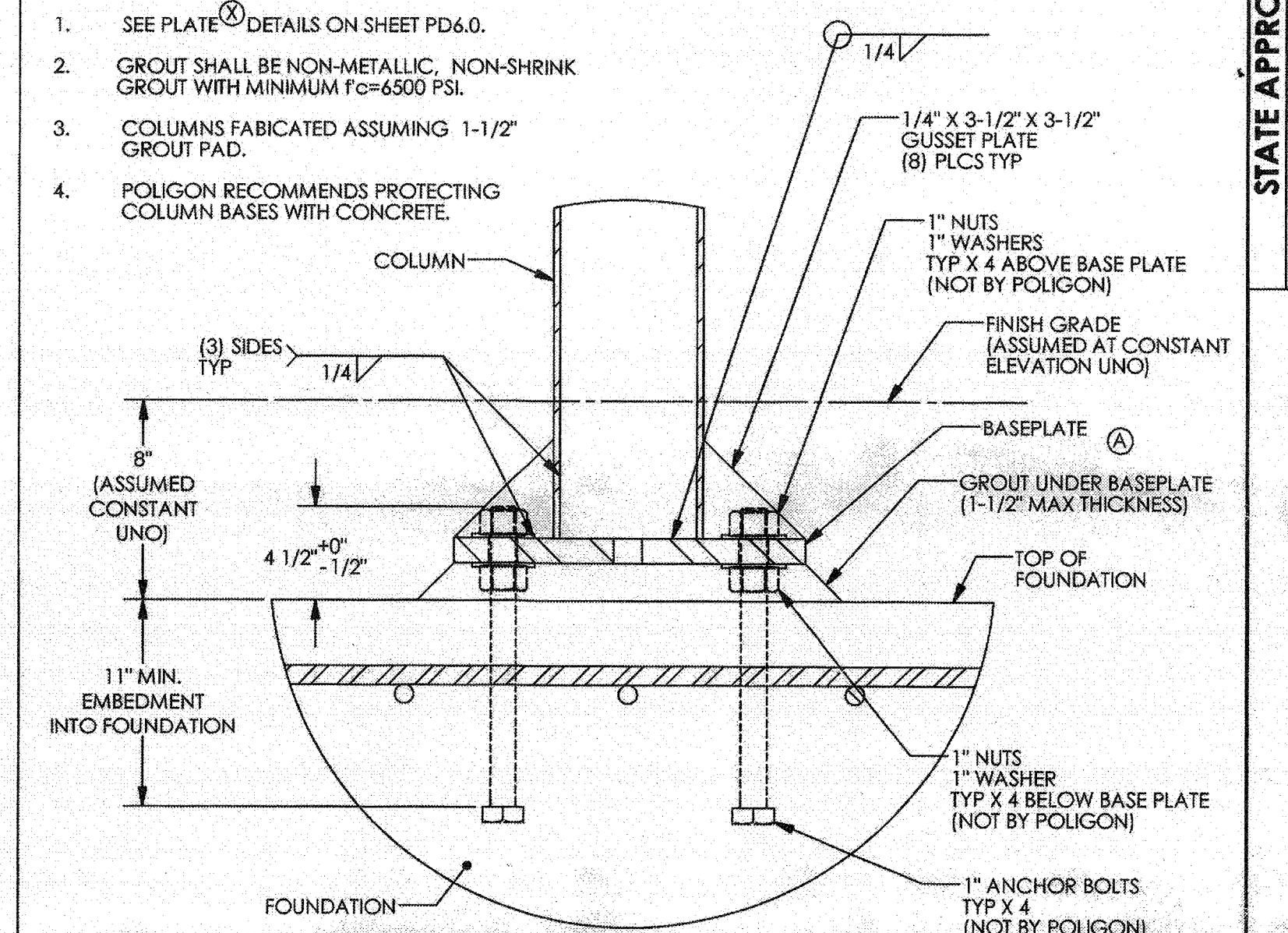
FOUNDATION PLAN NOTES:

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).

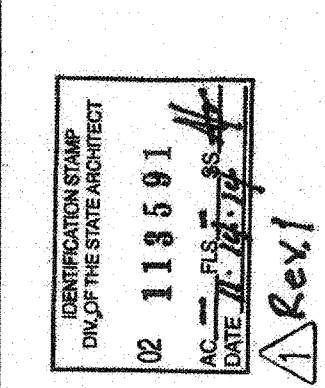
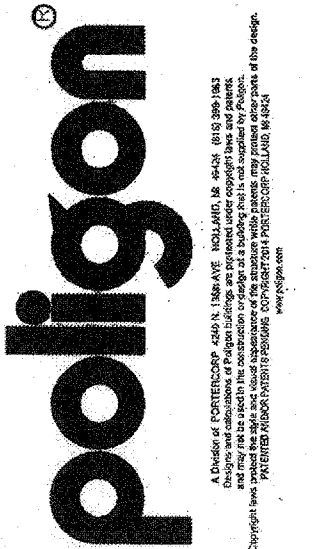
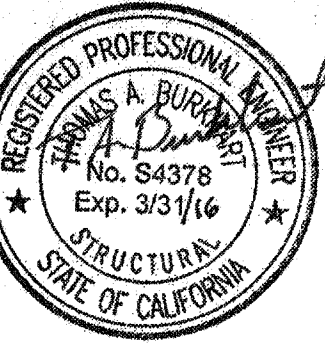
IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
03 117044
ACW FLB ✓ SS PL
Date APR 29 2016

NOTES:

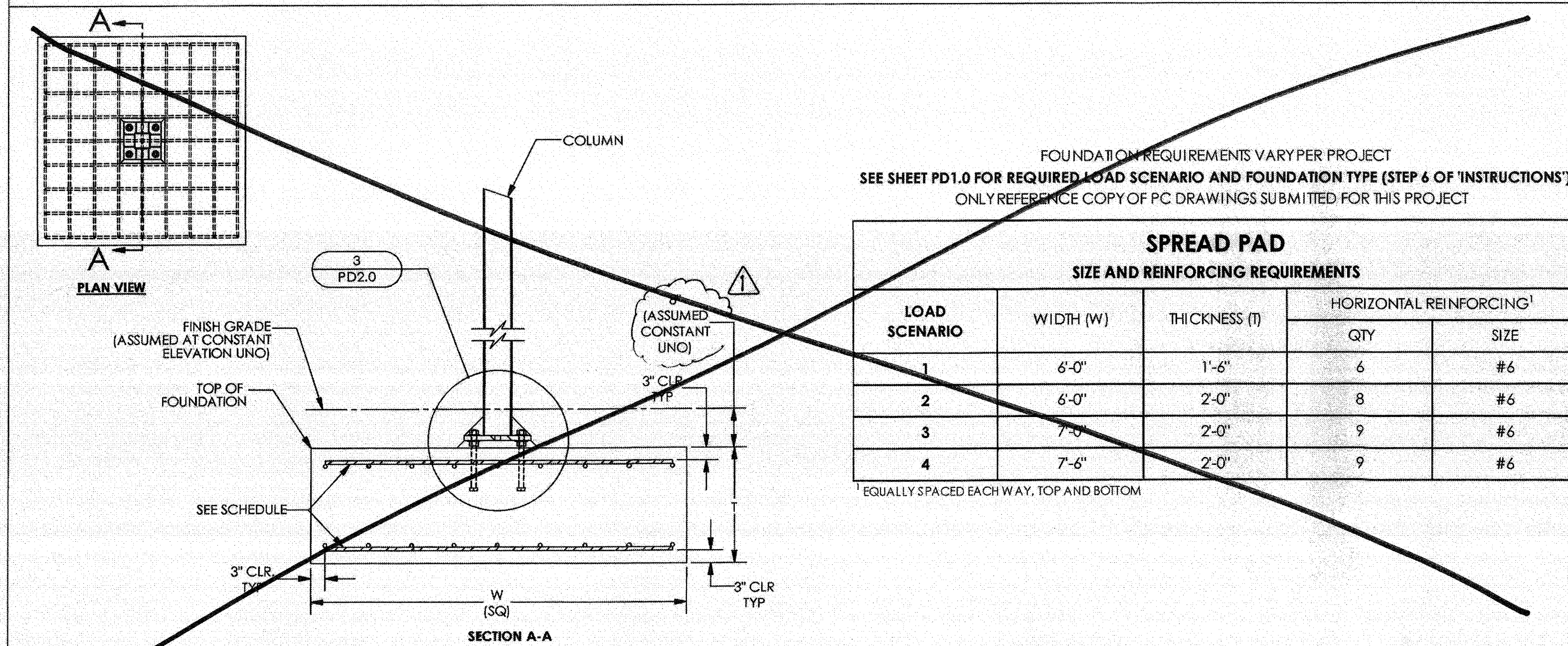
1. SEE PLATE 3 DETAILS ON SHEET PD6.0.
2. GROUT SHALL BE NON-METALLIC, NON-SHRINK GROUT WITH MINIMUM $f_c = 6500$ PSI.
3. COLUMNS FABRICATED ASSUMING 1-1/2" GROUT PAD.
4. POLYGON RECOMMENDS PROTECTING COLUMN BASES WITH CONCRETE.



COLUMN BASE PLATE AND ANCHOR BOLTS



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

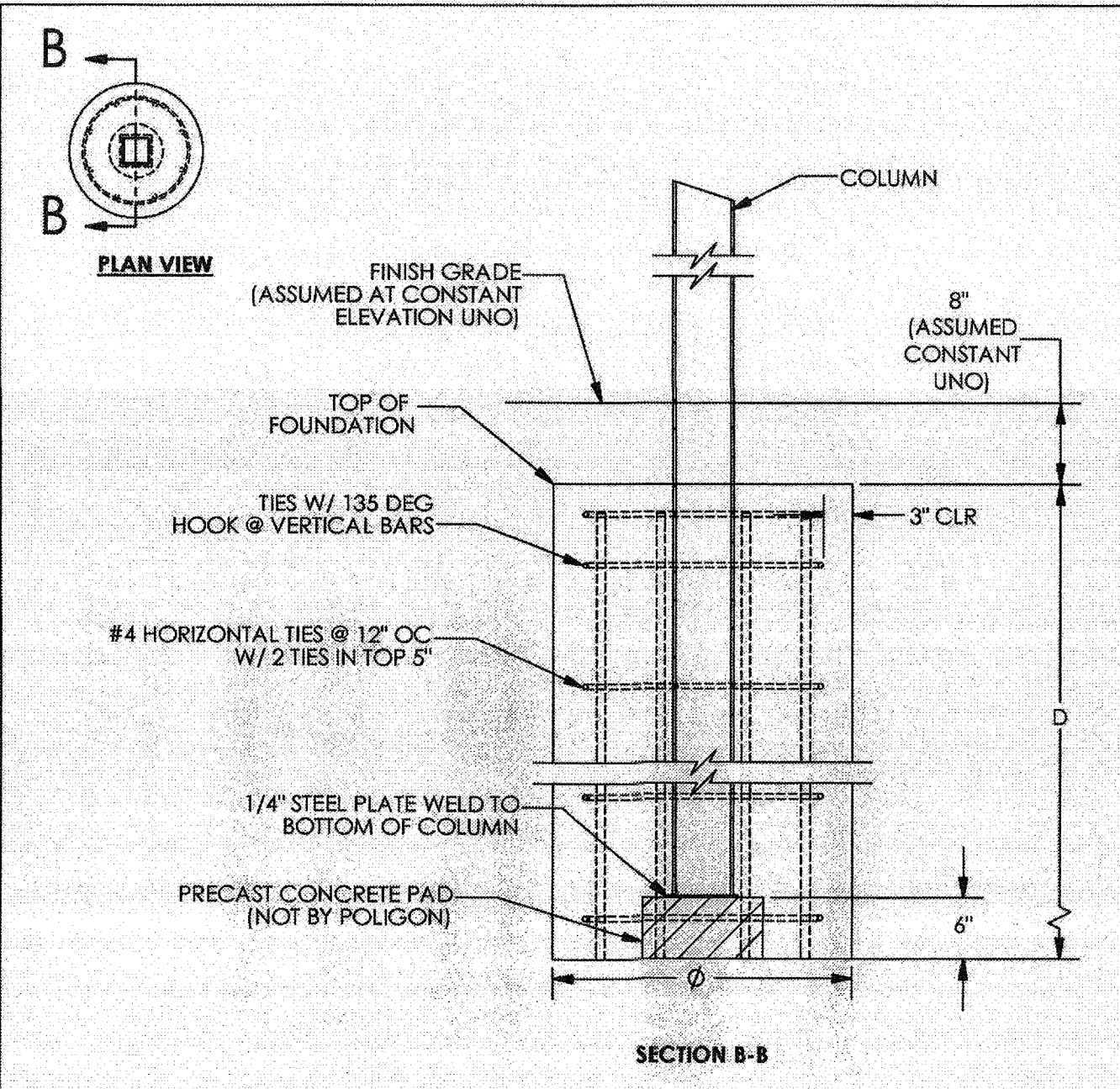


SPREAD PAD FOUNDATION

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	SPREAD PAD SIZE AND REINFORCING REQUIREMENTS		
	WIDTH (W)	THICKNESS (T)	HORIZONTAL REINFORCING ¹
1	6'-0"	1'-6"	6 #6
2	6'-0"	2'-0"	8 #6
3	7'-0"	2'-0"	9 #6
4	7'-6"	2'-0"	9 #6

¹EQUALLY SPACED EACH WAY, TOP AND BOTTOM



DRILLED PIER FOUNDATION (BURIED COLUMN)

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	DRILLED PIER SIZE AND REINFORCING REQUIREMENTS		
	DIAMETER (Ø)	DEPTH (D)	VERTICAL REINFORCING ¹
1	2'-0"	8'-0"	6 #6
2	2'-0"	9'-0"	8 #6
3	2'-0"	10'-0"	9 #6
4	2'-6"	11'-0"	8 #6

¹EQUALLY SPACED AROUND DRILLED PIER

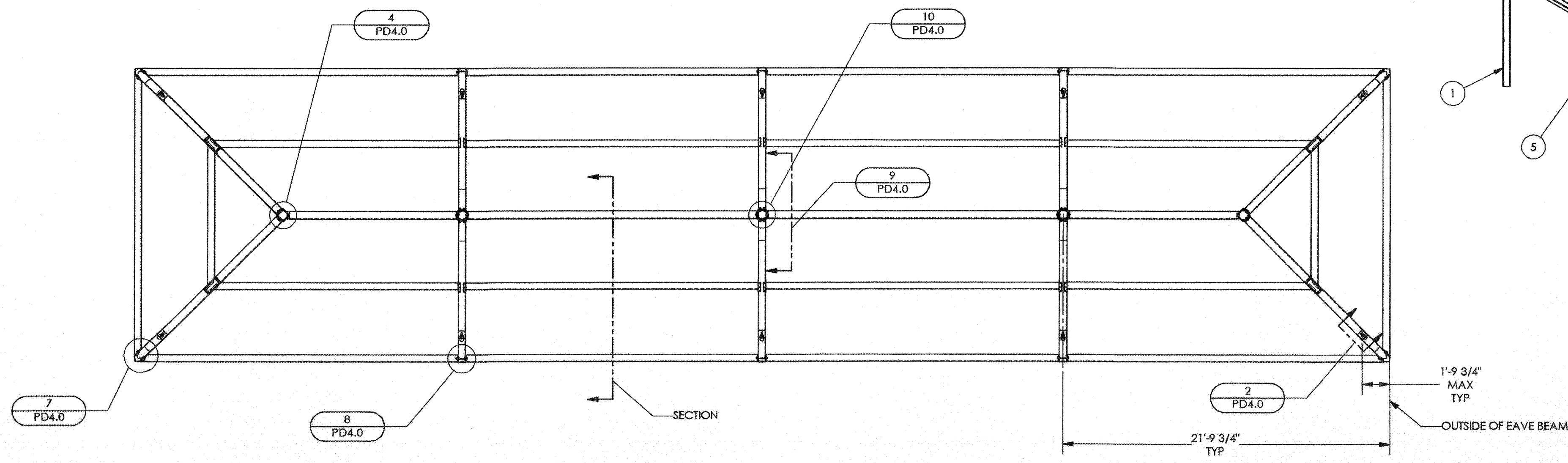
PRIOR TO CONCRETE PLACEMENT, POLYGON STRONGLY RECOMMENDS ERECTING ENOUGH OF THE FRAME (E.G. BEAMS AND PURLINS) TO ENSURE ACCURATE COLUMN SPACING, ROTATION, AND VERTICALITY.

FOUNDATION PLAN
RAM 20
HIP ROOF (RAM)
PC DRAWINGS

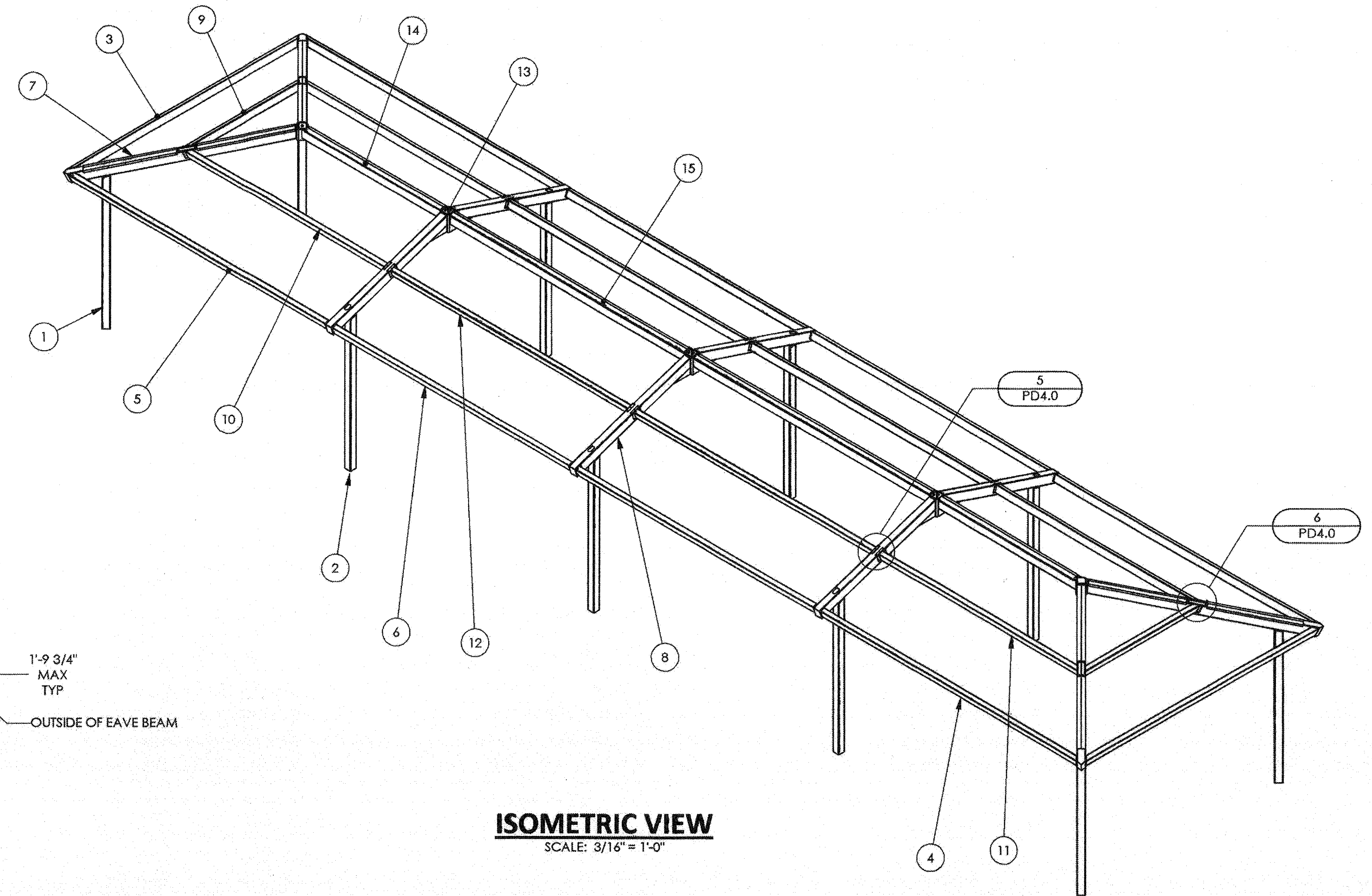
DRAWN BY: JMD
CHECKED BY: CE
POLYGON #: 51458

PD2.0

2014A

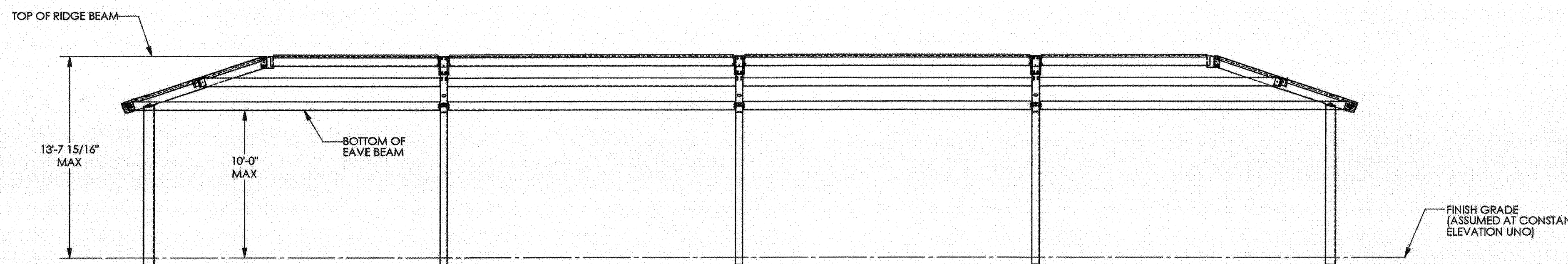


PLAN VIEW
SCALE: 3/16" = 1'-0"

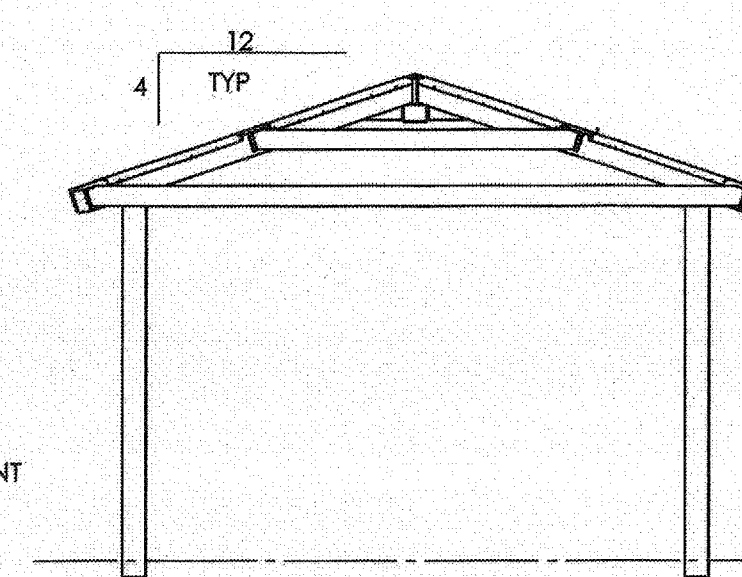


ISOMETRIC VIEW
SCALE: 3/16" = 1'-0"

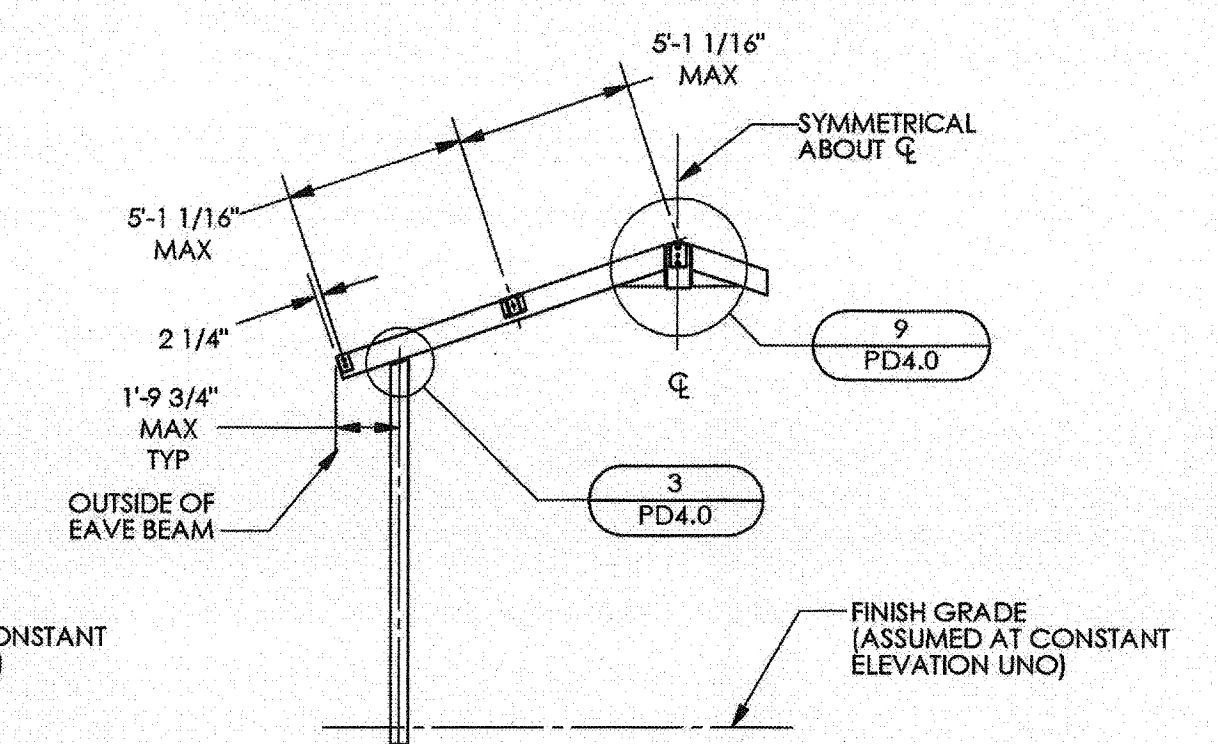
IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
03 117044
AG: VLS, PLS, PLS
Date: APR 29 2016



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

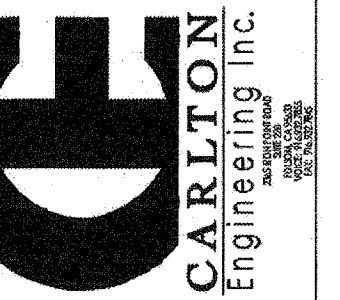
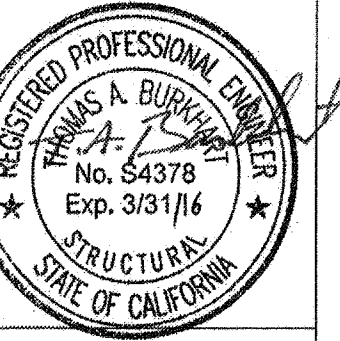


SIDE ELEVATION
SCALE: 3/16" = 1'-0"

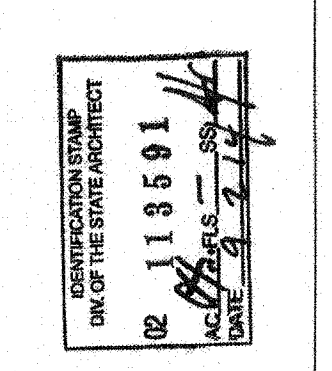


SECTION
SCALE: 3/16" = 1'-0"

ITEM	FRAME /QTY.	PART NO.	DESCRIPTION	MATERIAL
15	2	-	RIDGE BEAM ASM, MID	HSS8X6X3/16
14	2	-	RIDGE BEAM ASM, END	HSS8X6X3/16
13	3	-	COMPRESSION TUBE ASM	HSS8X8X5/8
12	4	-	PURLIN ASM, SIDE	HSS6X4X3/16
11	2	-	PURLIN ASM, RH	HSS6X4X3/16
10	2	-	PURLIN ASM, LH	HSS6X4X3/16
9	2	-	PURLIN ASM, END	HSS6X4X3/16
8	6	-	GABLE BEAM ASM	HSS8X6X3/16
7	4	-	HIP BEAM ASM	HSS8X6X3/16
6	4	-	EAVE BEAM ASM, SIDE	HSS6X4X1/8
5	2	-	EAVE BEAM ASM, RH	HSS6X4X1/8
4	2	-	EAVE BEAM ASM, LH	HSS6X4X1/8
3	2	-	EAVE BEAM ASM, END	HSS6X4X1/8
2	6	-	COLUMN ASM, SIDE	HSS6X6X1/4
1	4	-	COLUMN ASM, CORNER	HSS6X6X1/4



poligon



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

FRAMING PLAN
RAM 20

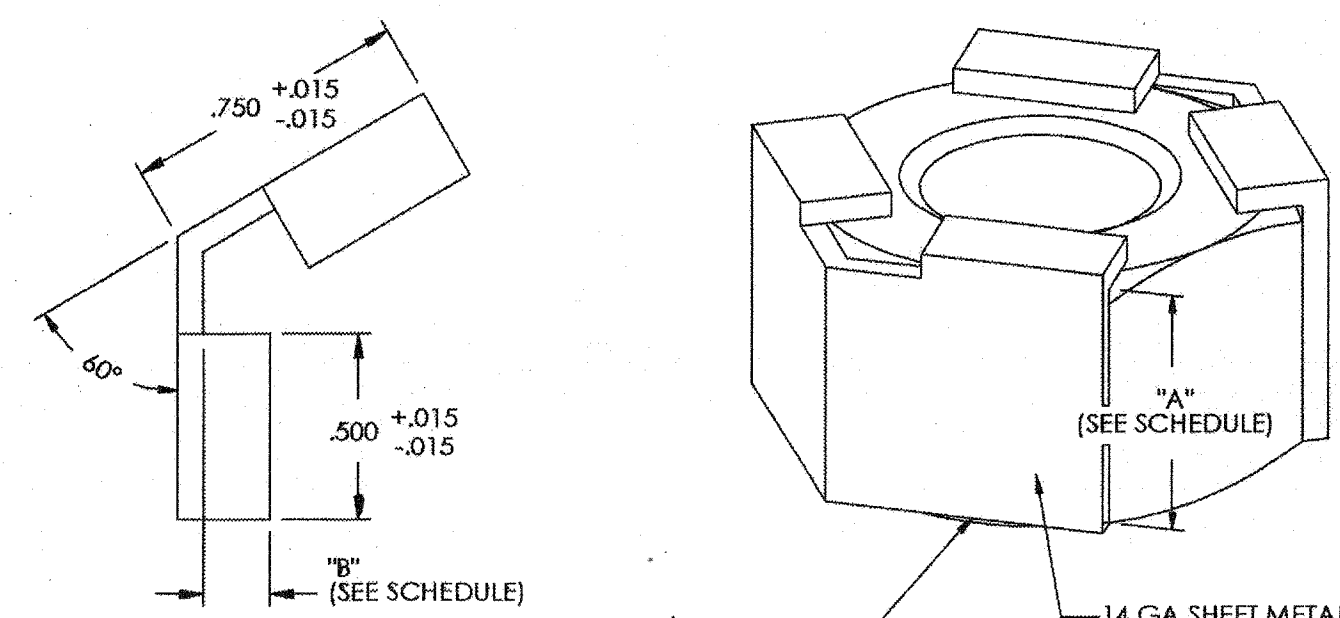
HIP ROOF (RAM)
PC DRAWINGS

DRAWN BY: JMD
CHECKED BY: CE
POLYGON #: 5158

PD3.0

2014A

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

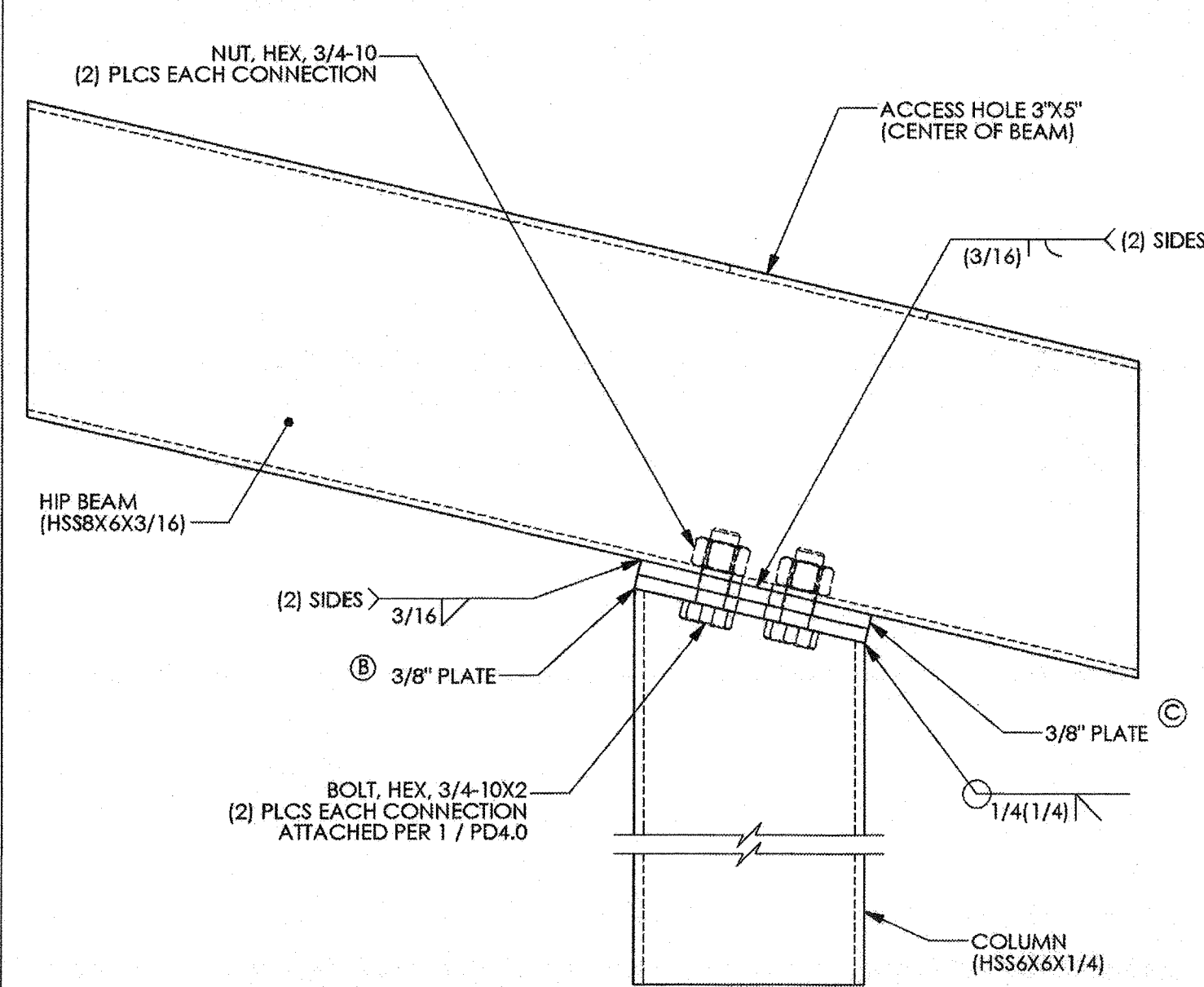


DIMENSION SCHEDULE

FASTENER	DIM A	DIM B
5/8" NUT	.631 +0.000 -0.015	.180 +0.015 -0.015
5/8" BOLT	.403 +0.000 -0.015	.250 +0.015 -0.015
3/4" NUT	.758 +0.000 -0.015	.180 +0.015 -0.015
3/4" BOLT	.483 +0.000 -0.015	.375 +0.015 -0.015
1" NUT	1.012 +0.000 -0.015	.180 +0.015 -0.015
1" BOLT	.643 +0.000 -0.015	.375 +0.015 -0.015

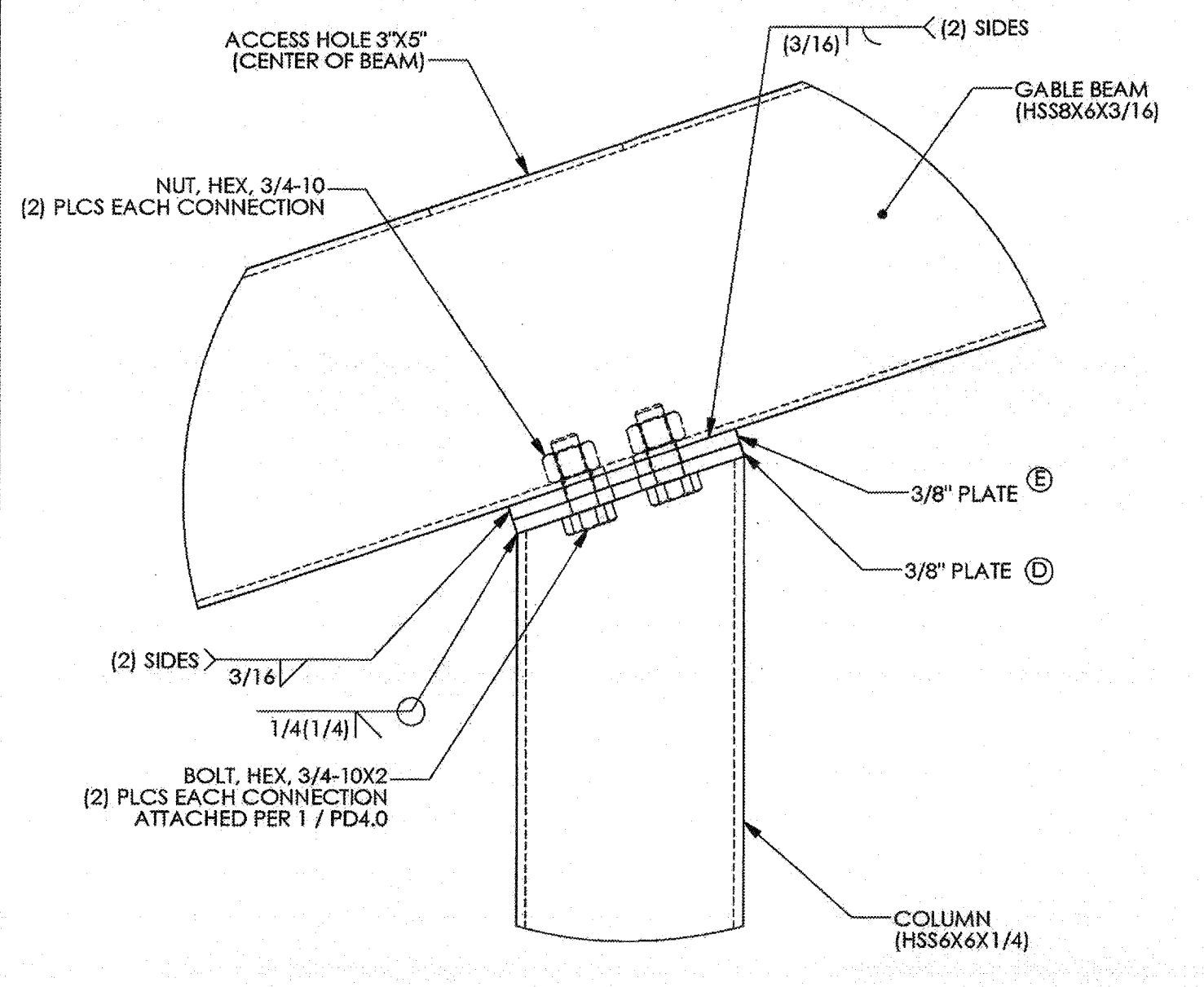
NUT & BOLT RESTRAINING SYSTEM

1



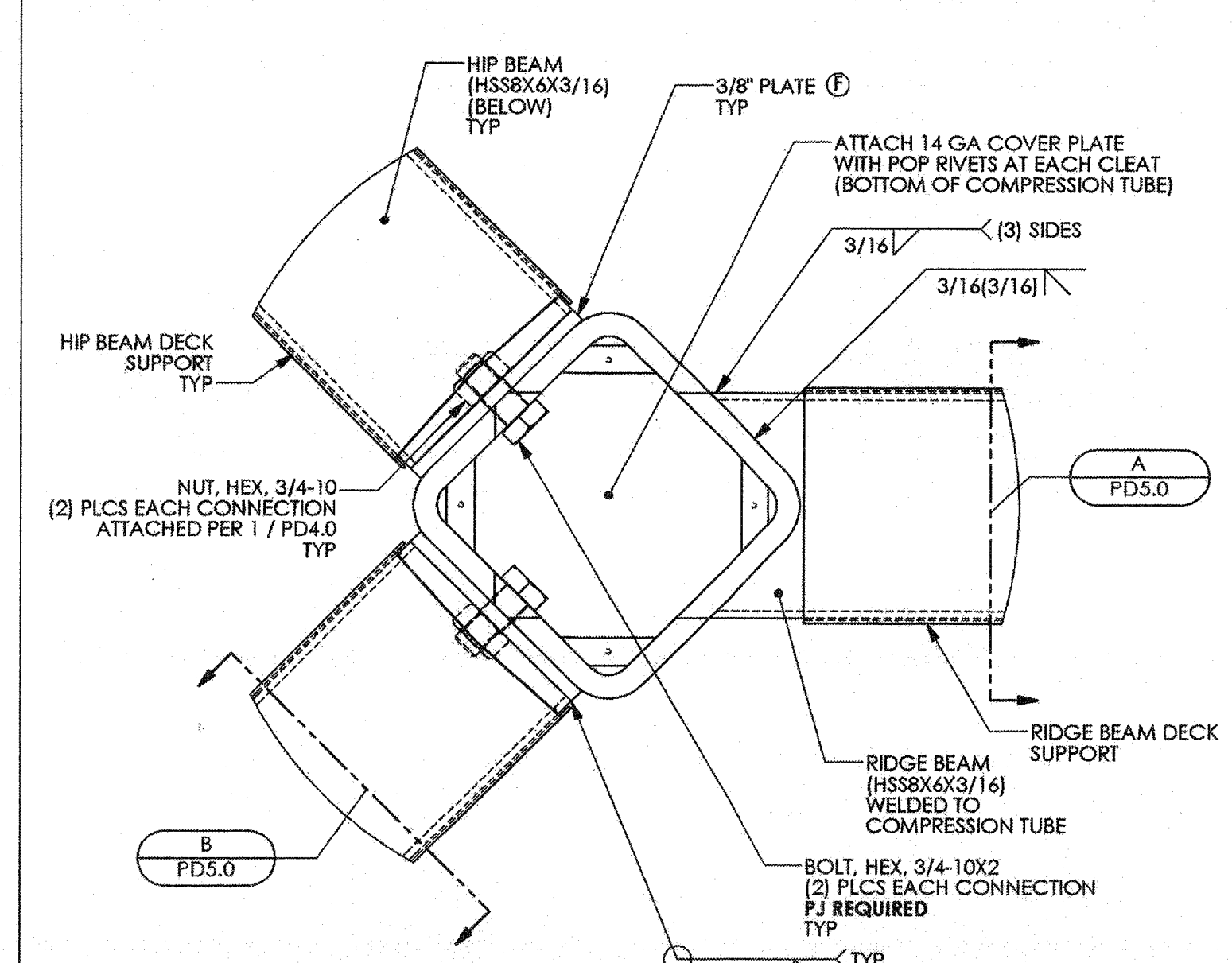
HIP BEAM CONNECTION @ COLUMN

2



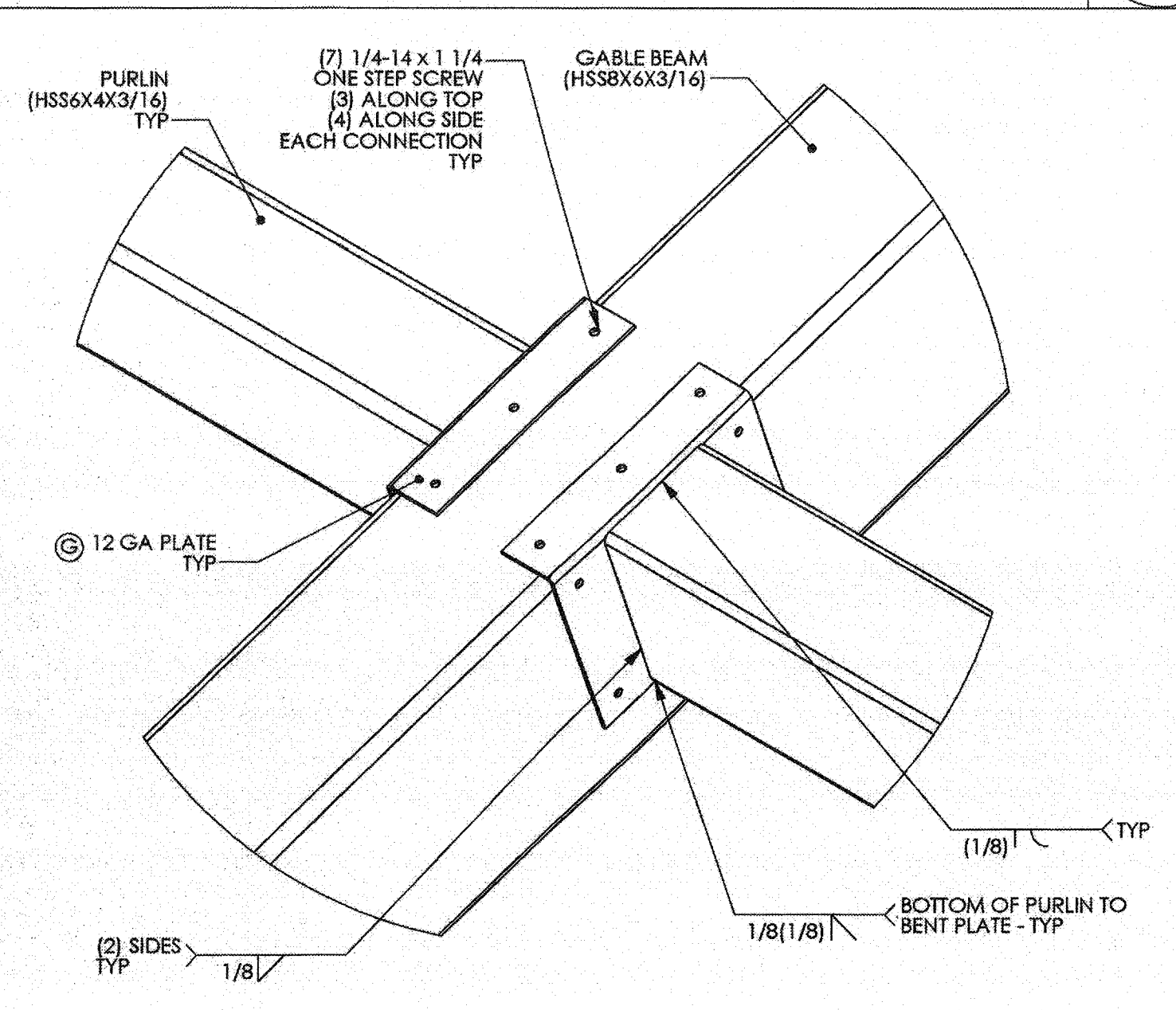
GABLE BEAM CONNECTION @ COLUMN

3



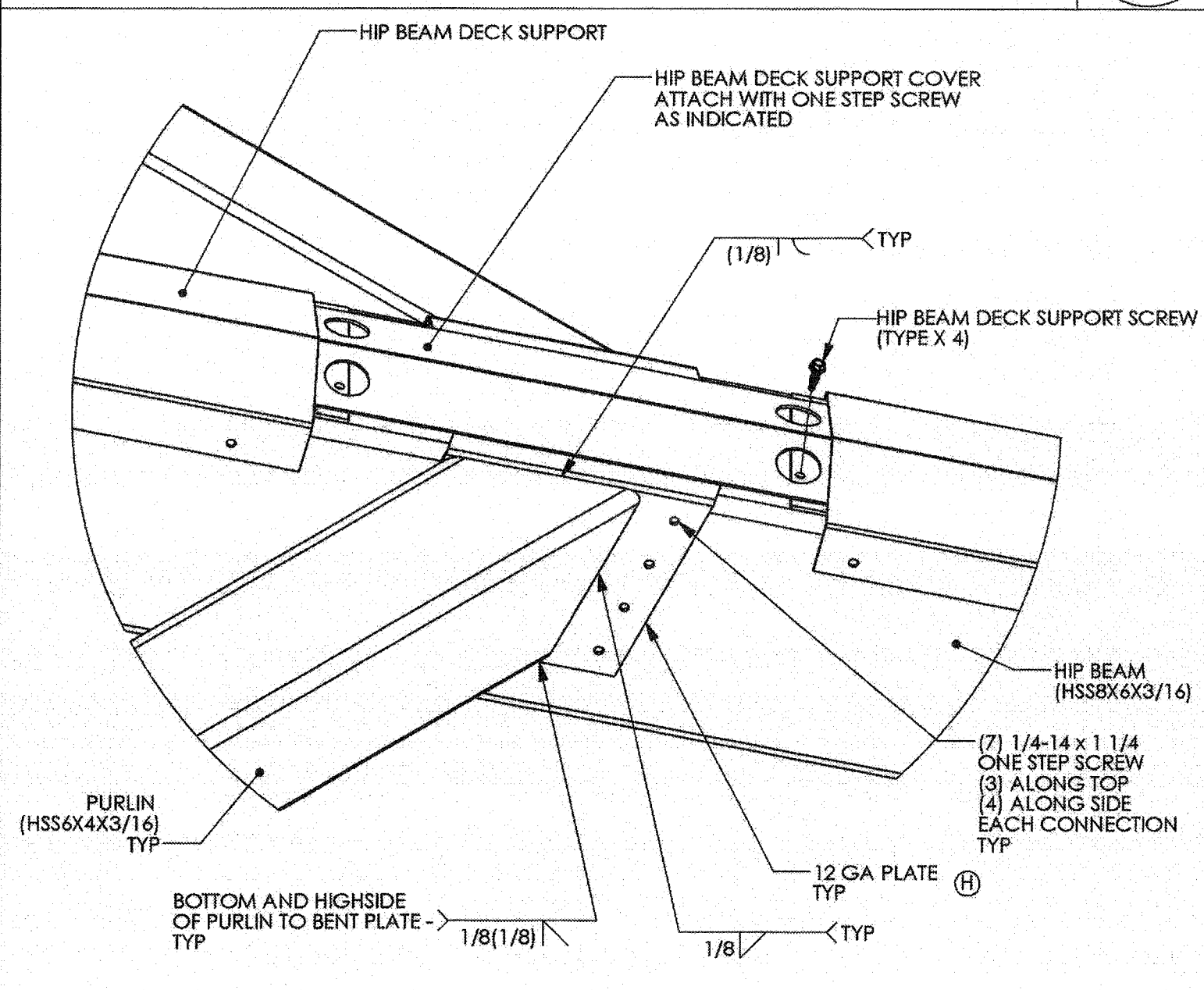
HIP BEAM CONNECTION @ COMPRESSION TUBE

4



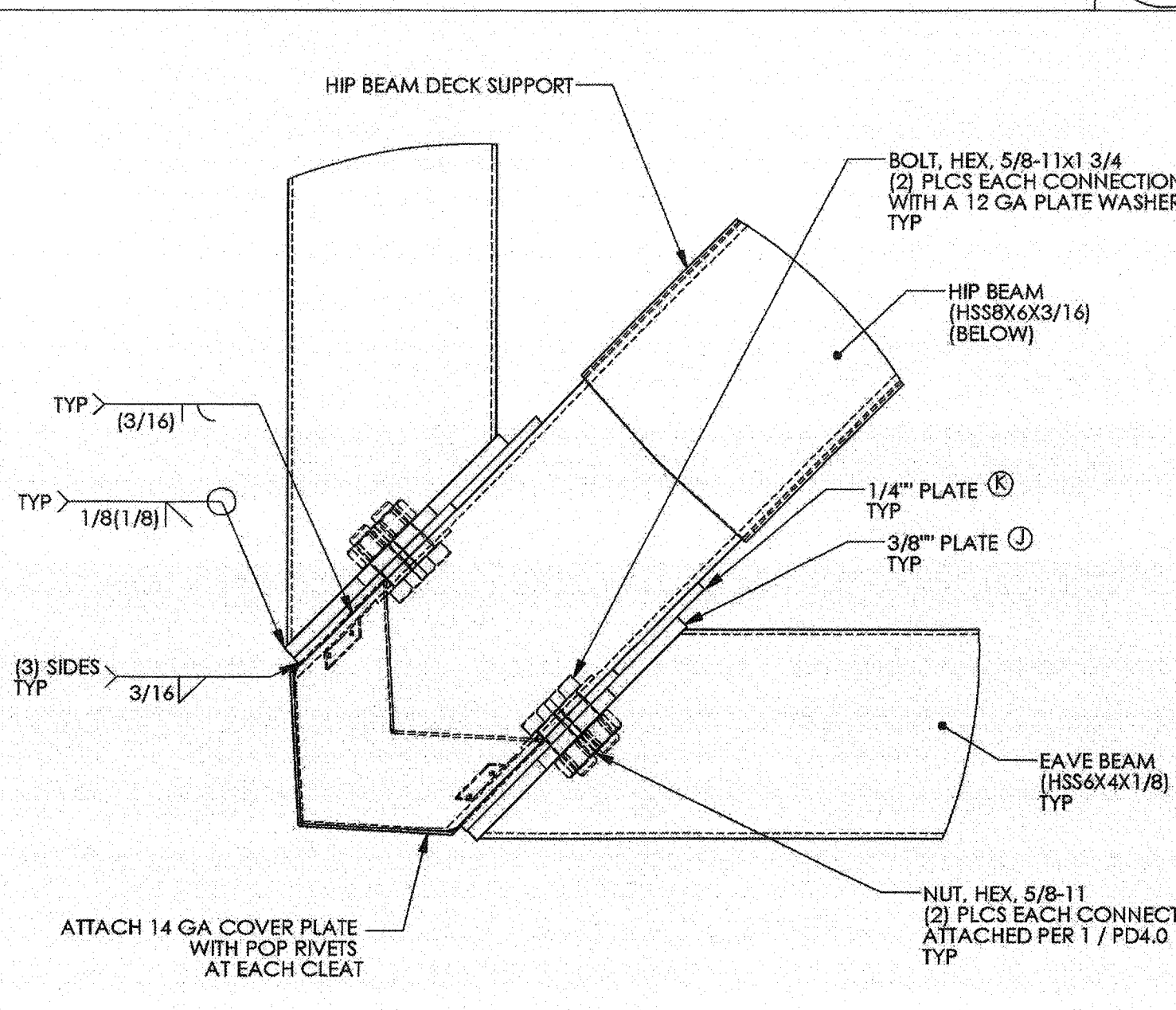
PURLIN CONNECTION @ GABLE BEAM

5



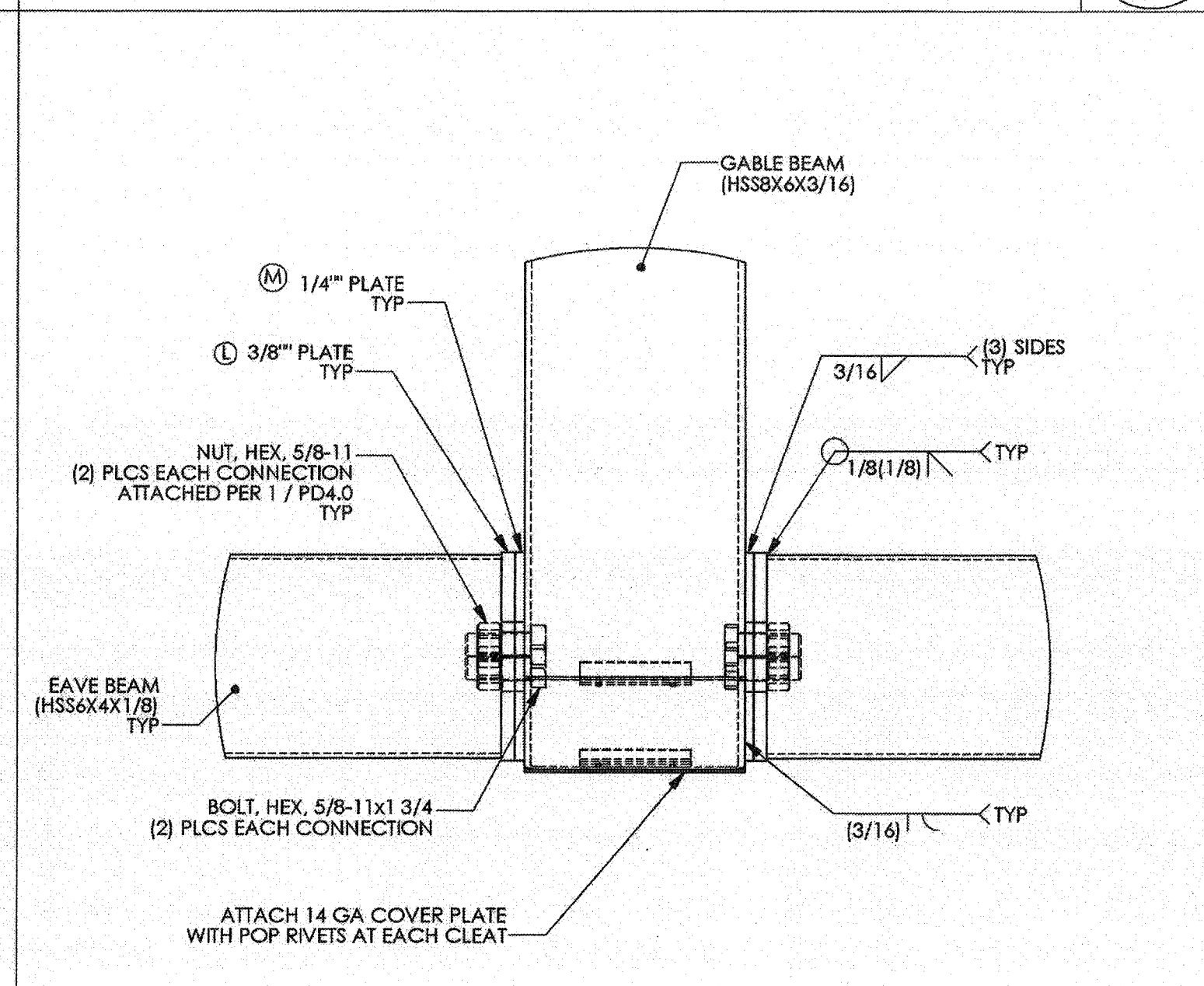
PURLIN CONNECTION @ HIP BEAM

6



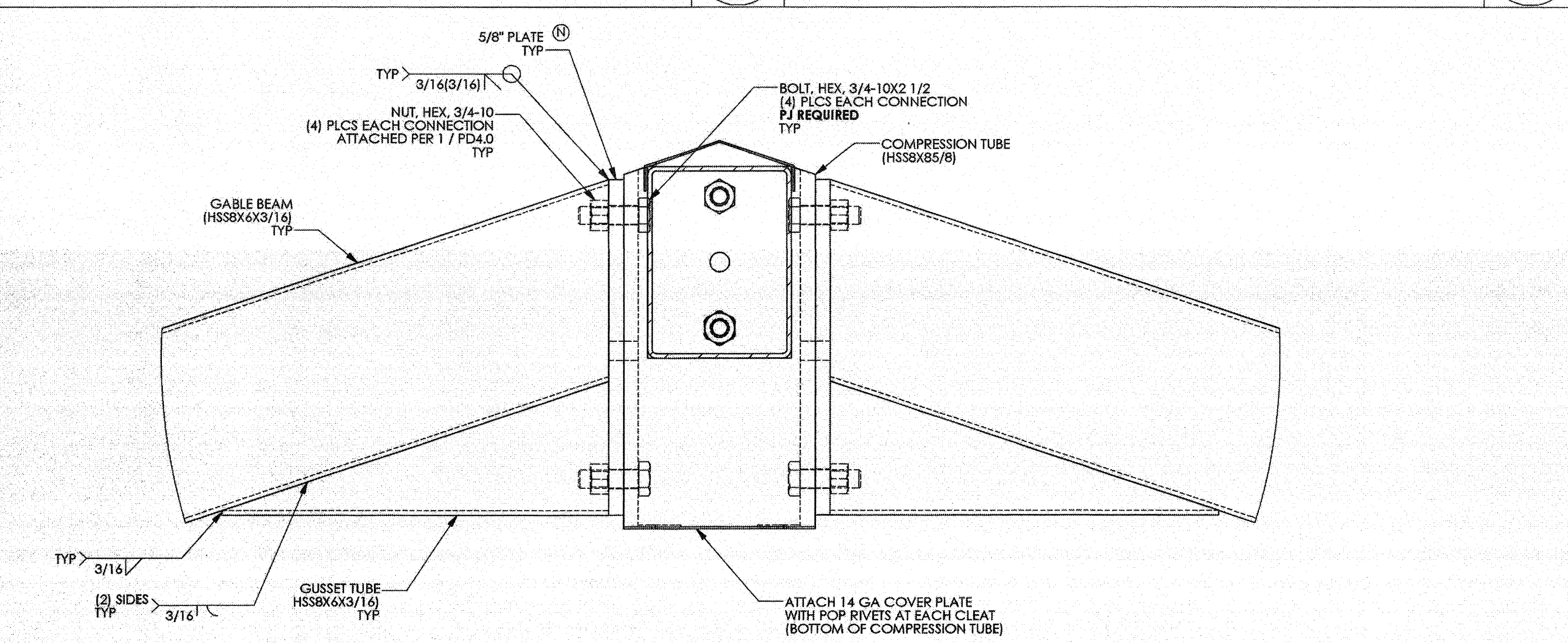
EAVE BEAM CONNECTION @ HIP BEAM

7



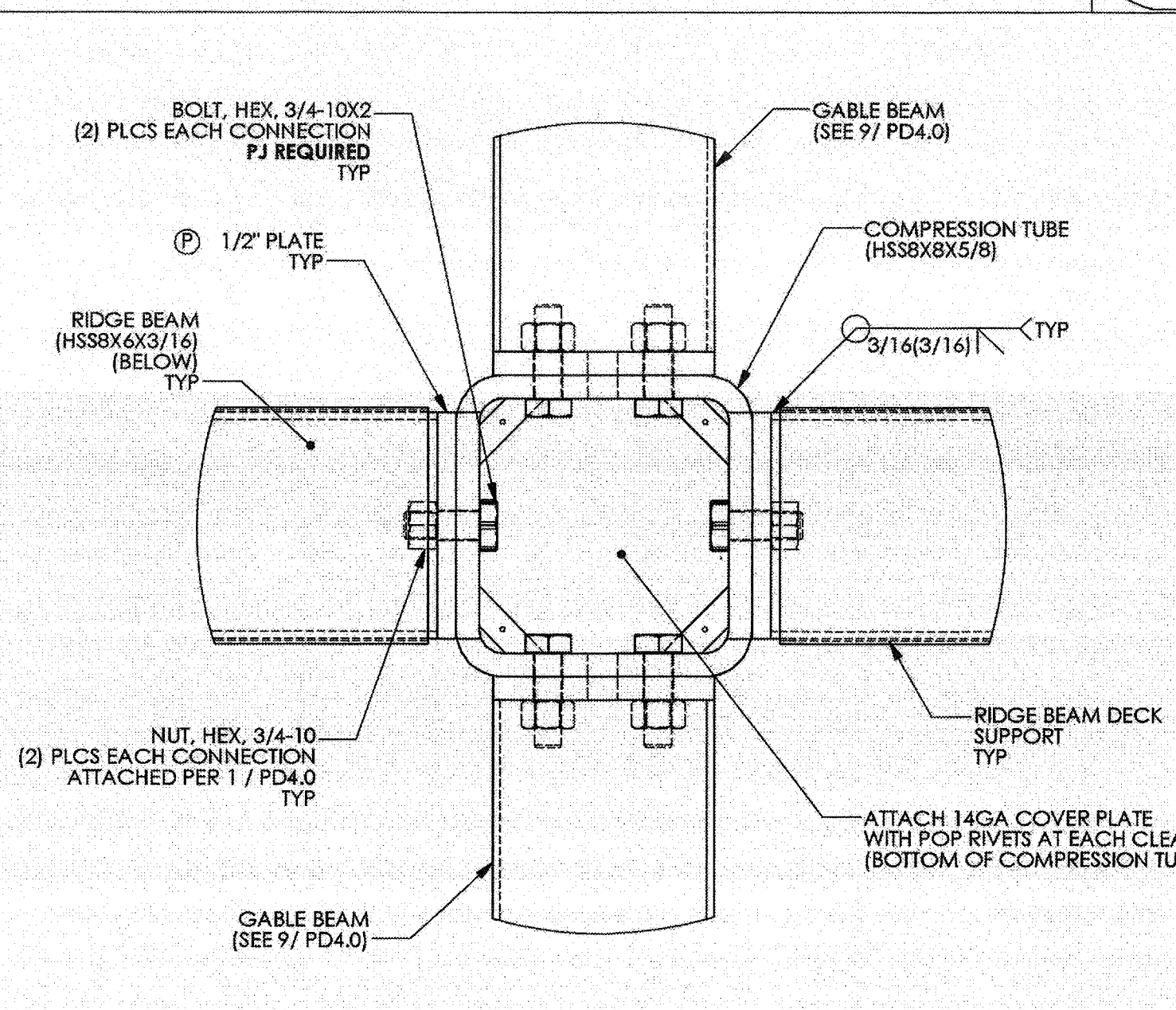
EAVE BEAM CONNECTION @ GABLE BEAM

8



GABLE BEAM CONNECTION @ COMPRESSION TUBE

9



RIDGE BEAM CONNECTION @ COMPRESSION TUBE

10

FRAME CONNECTION DETAIL NOTES:

- SEE SECTIONS ON SHEET PD5.0.
- SEE PLATE DETAILS ON SHEET PD6.0 AND PD6.1
- COVER ACCESS HOLES WITH GRACE ICE AND WATER SHIELD BEFORE ATTACHING ROOF DECK.

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
03 117044
ACV FLS SS
Date APR 29 2016

REGISTERED PROFESSIONAL ENGINEER
No. 54378
Exp. 3/31/16
STATE OF CALIFORNIA

Carlton
Engineering Inc.

poligon

STATE APPROVALS

ONE OF THE APPROVED CONTRACTORS
No. 118891
DATE 04/29/16

PRE-CHECK (PC) DOCUMENT

CODE: 2013 CBC

A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRED.

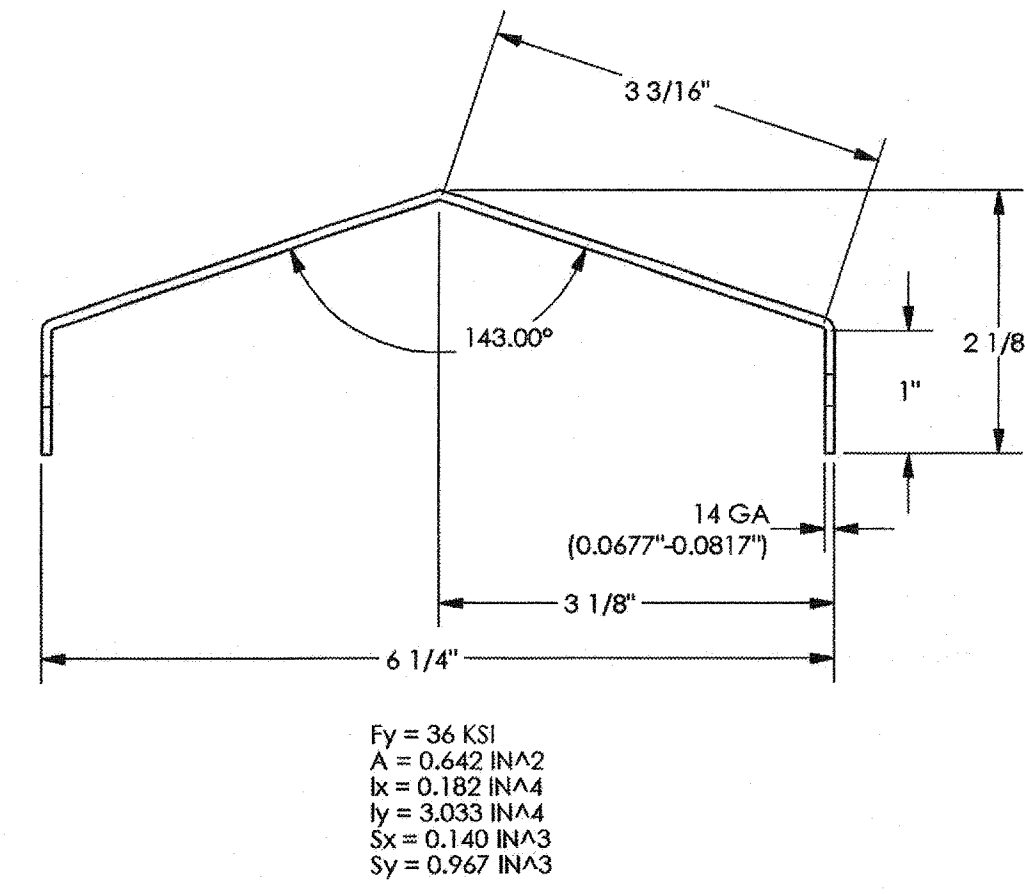
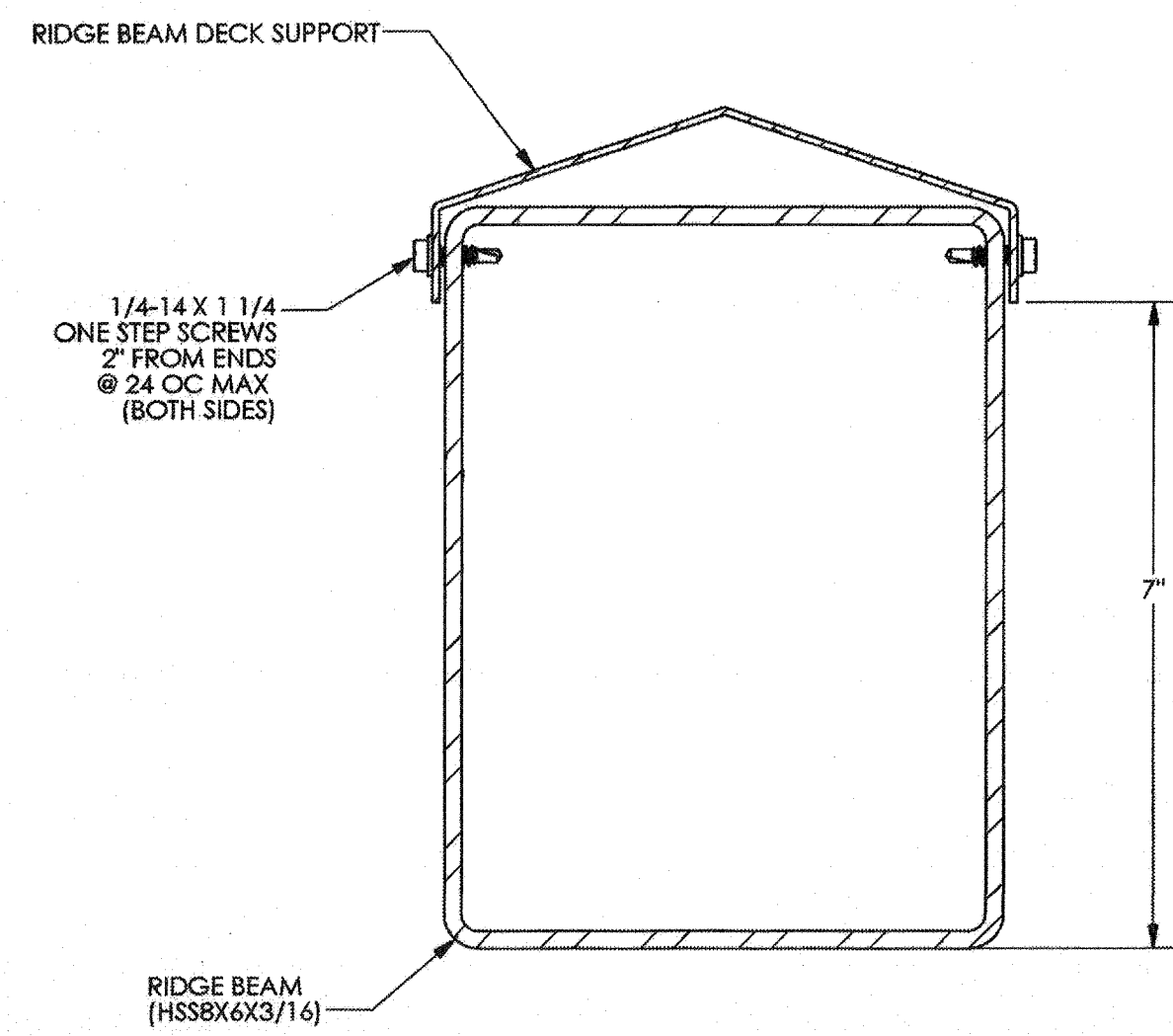
FRAME CONNECTION DETAILS
RAM 20

HIP ROOF (RAM)
PC DRAWINGS

DRAWN BY: JMD
CHECKED BY: CE
POLYGON # 51488

PD4.0

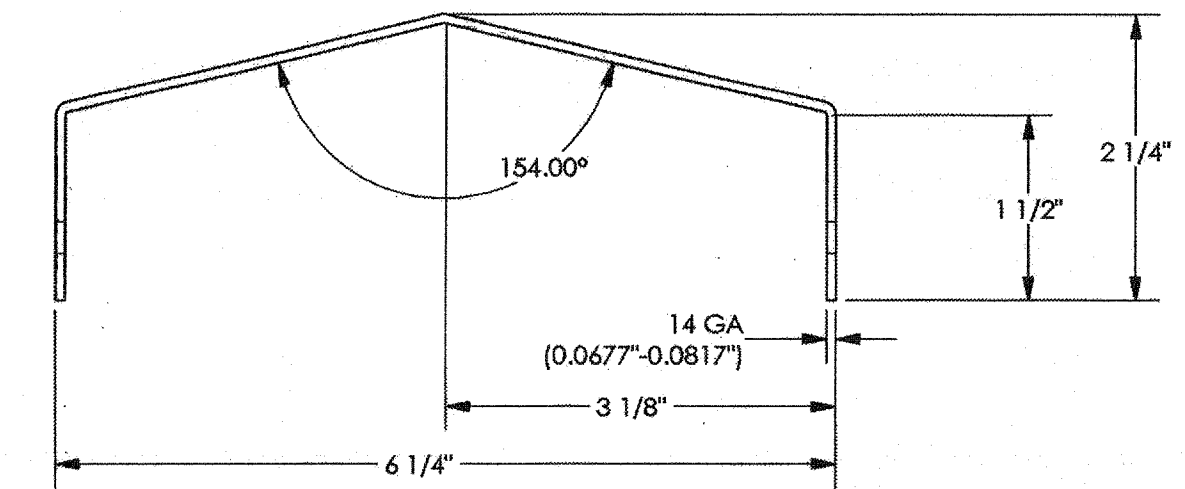
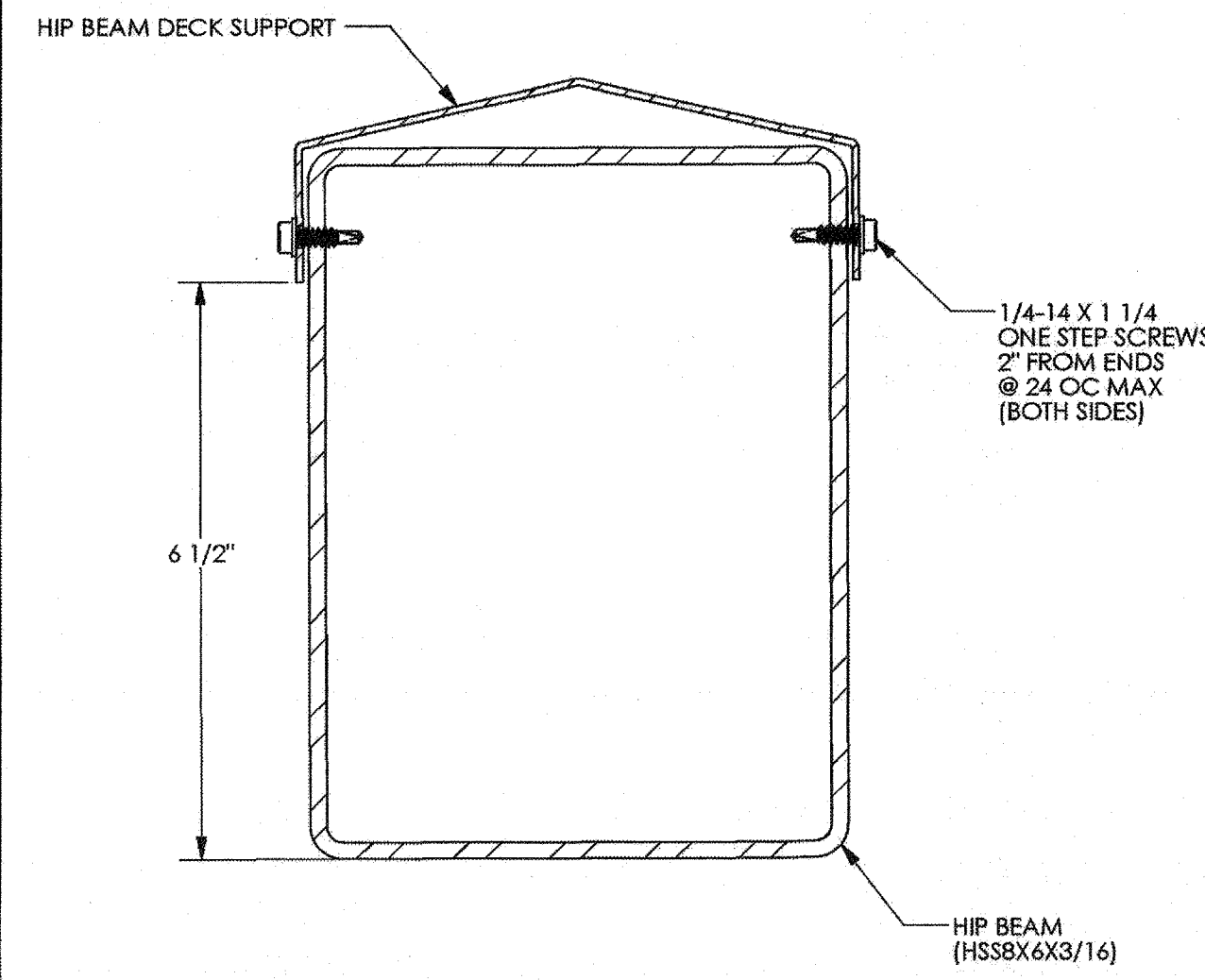
2014A



$F_y = 36 \text{ KSI}$
 $A = 0.642 \text{ IN}^2$
 $k_x = 0.182 \text{ IN}^4$
 $I_y = 3.033 \text{ IN}^4$
 $S_x = 0.140 \text{ IN}^3$
 $S_y = 0.967 \text{ IN}^3$

RIDGE BEAM DECK SUPPORT

A

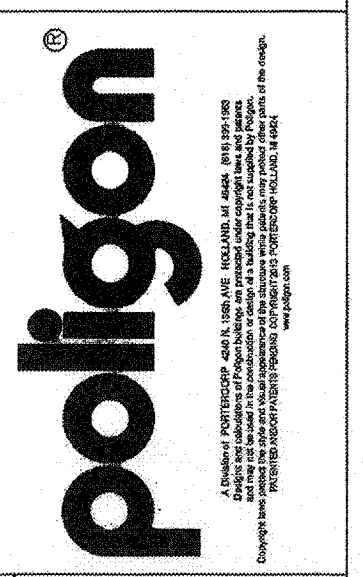
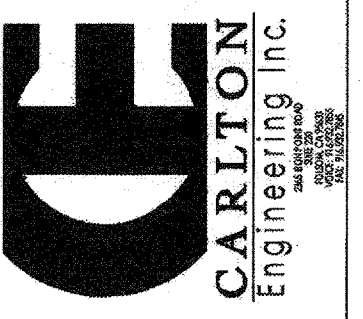
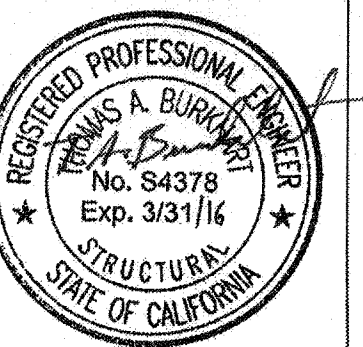


$F_y = 36 \text{ KSI}$
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 $k_x = 0.261 \text{ IN}^4$
 $I_y = 3.711 \text{ IN}^4$
 $S_x = 0.171 \text{ IN}^3$
 $S_y = 1.183 \text{ IN}^3$

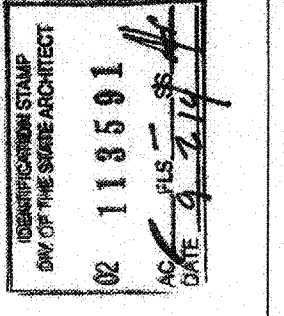
HIP BEAM DECK SUPPORT

B

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 A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRED.

SECTION DETAILS
 .RAM 20
 HIP ROOF (RAM)
 PC DRAWINGS

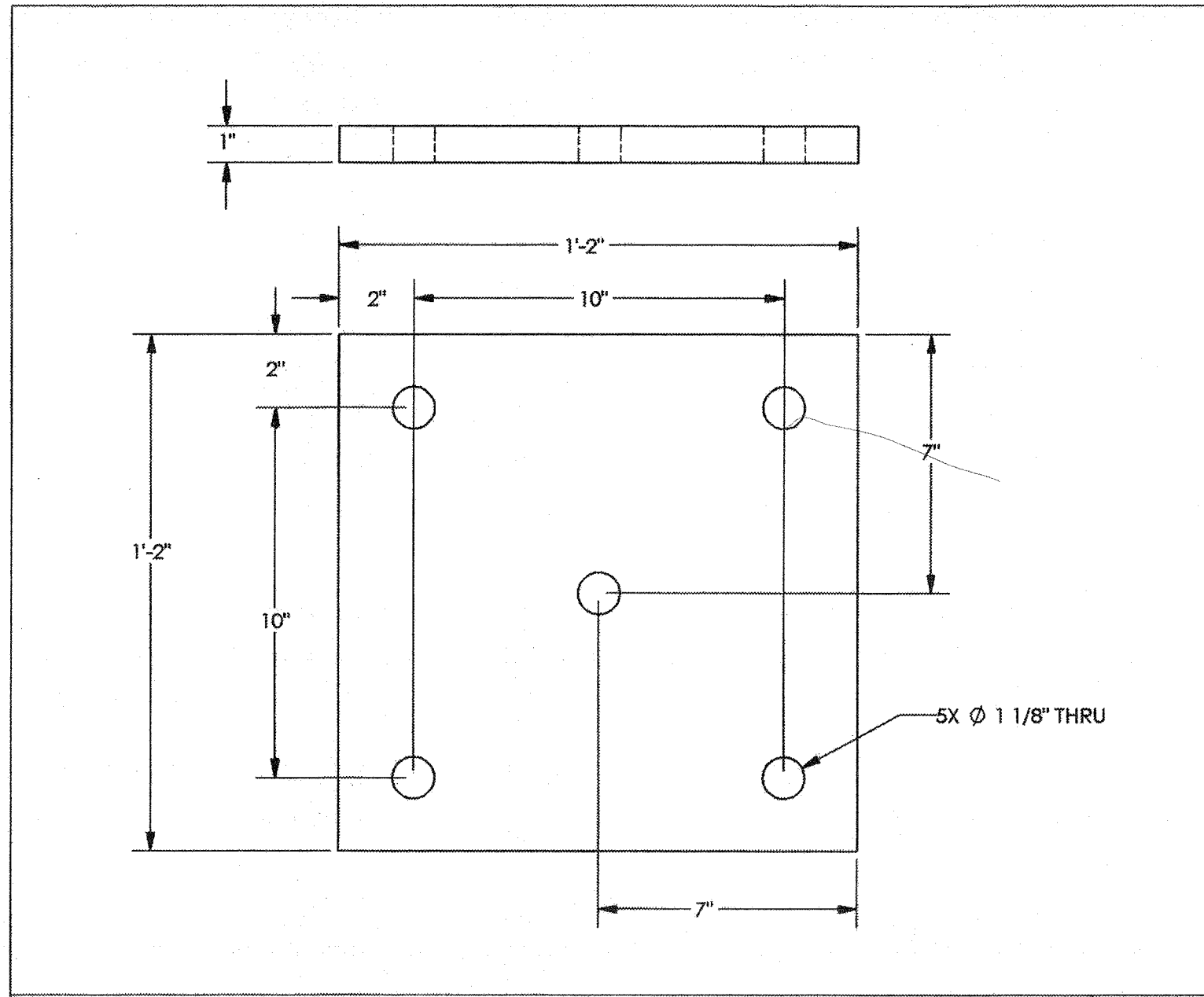
DRAWN BY: JMO
 CHECKED BY: CE
 POLYGON #: 51458

PD5.0

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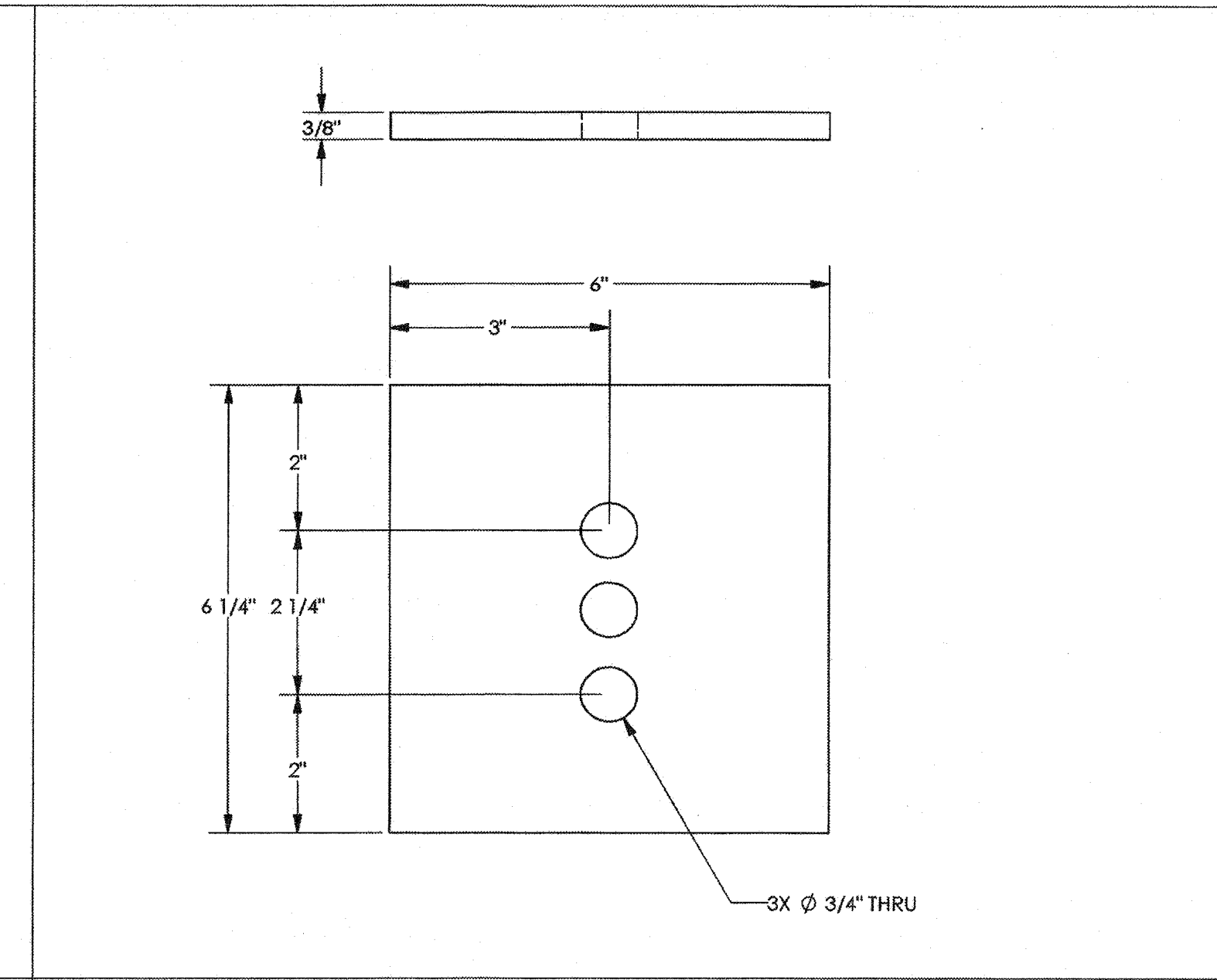
03 117044
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Date APR 29 2016

2014A



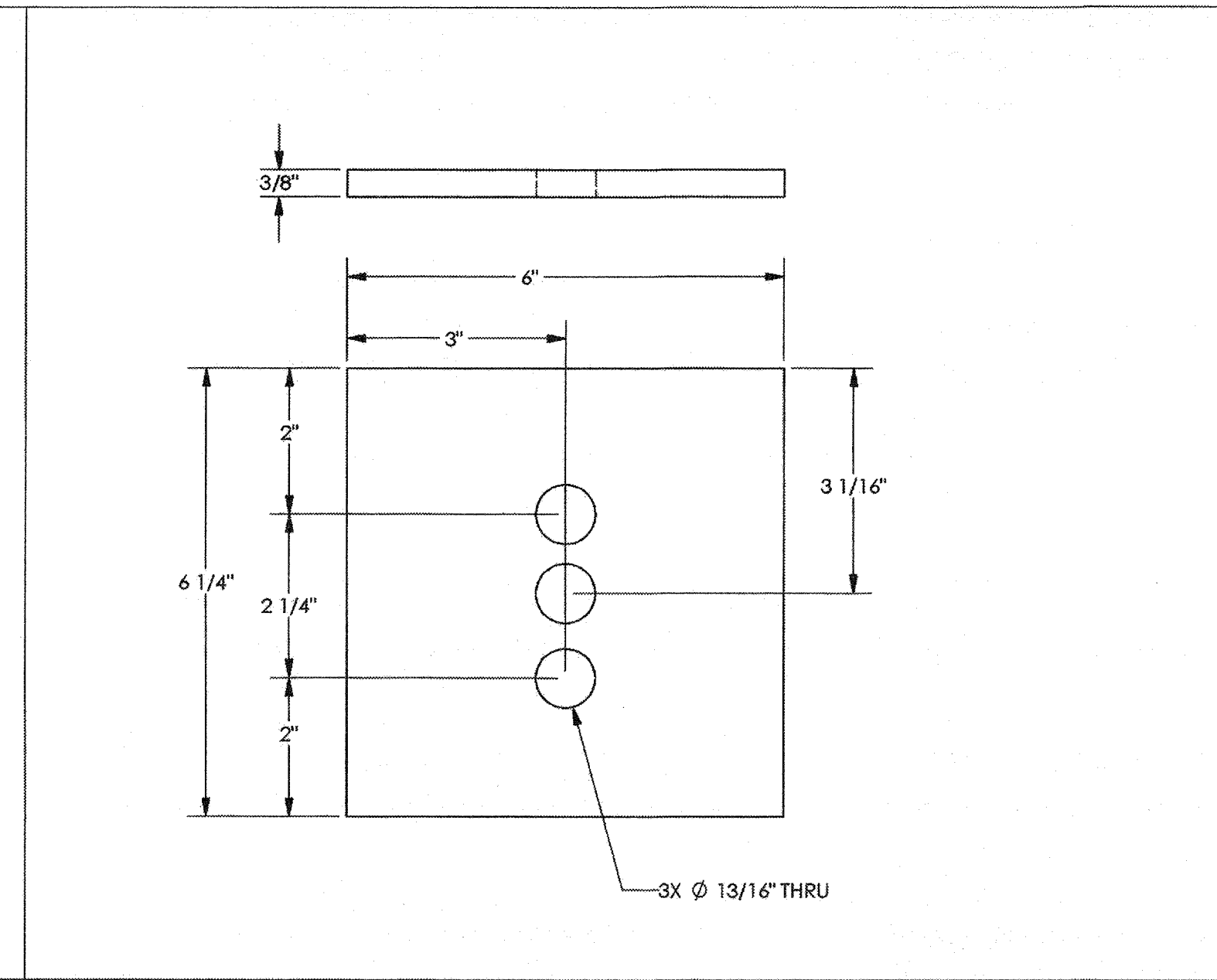
PLATE

A



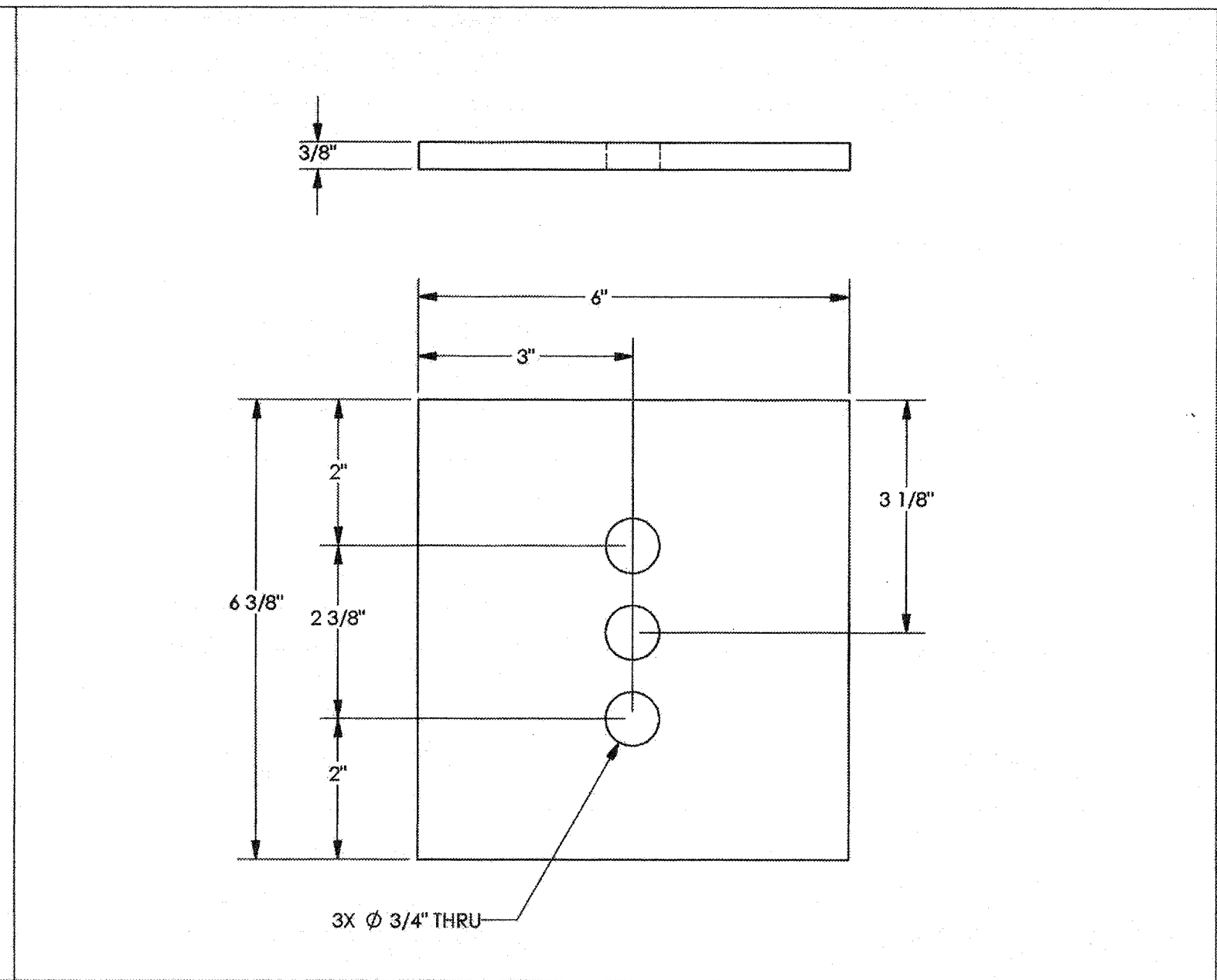
PLATE

B



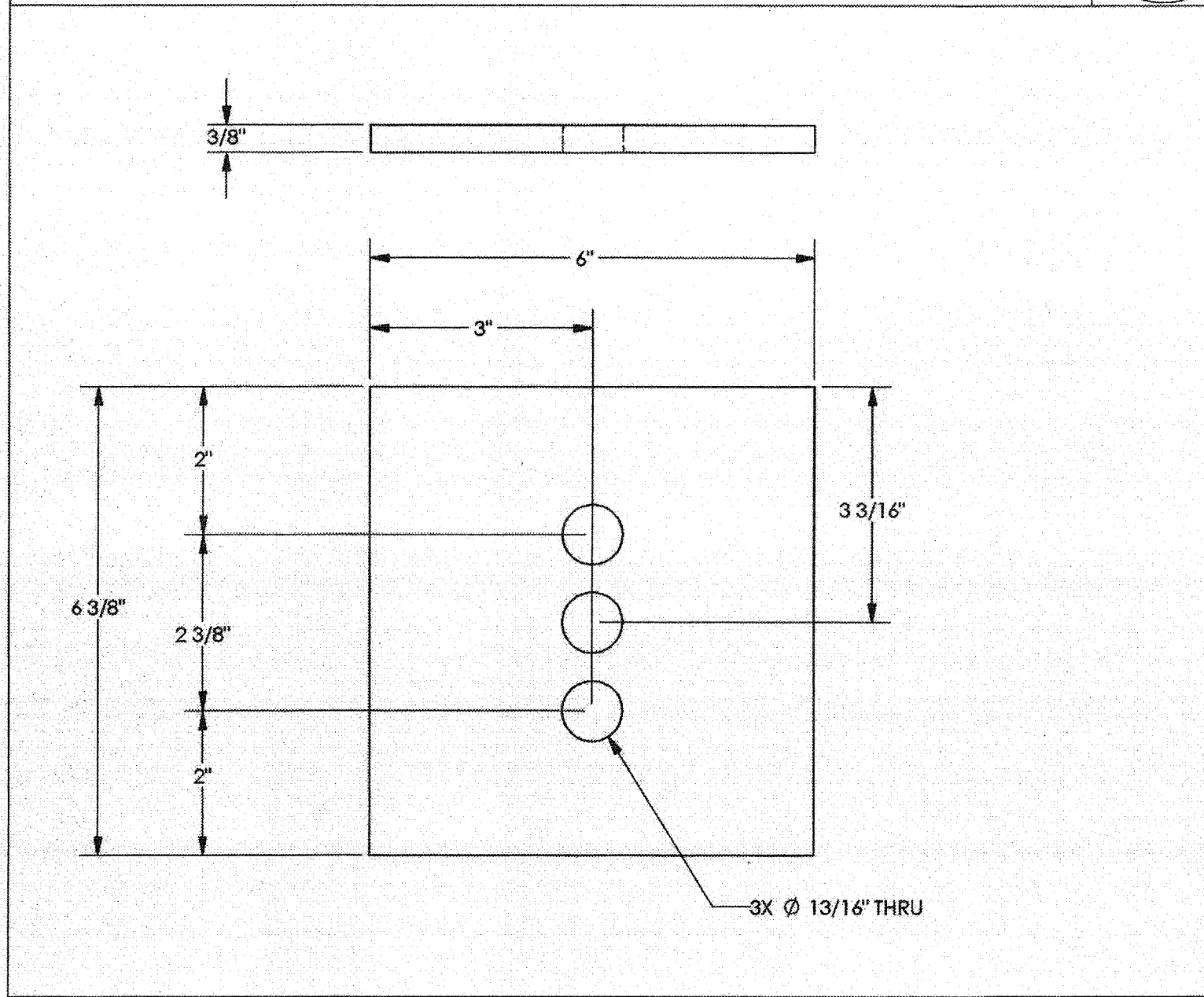
PLATE

C



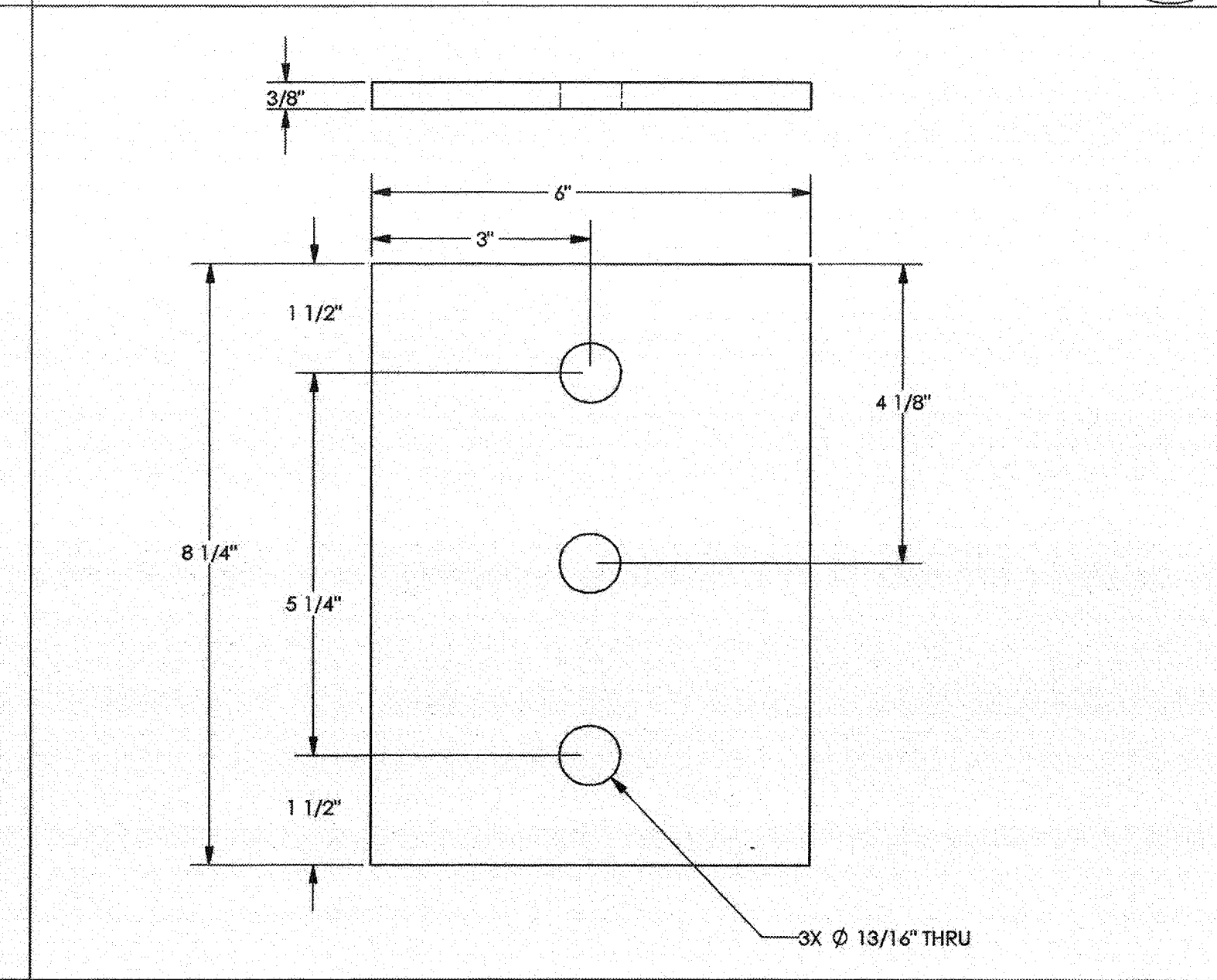
PLATE

D



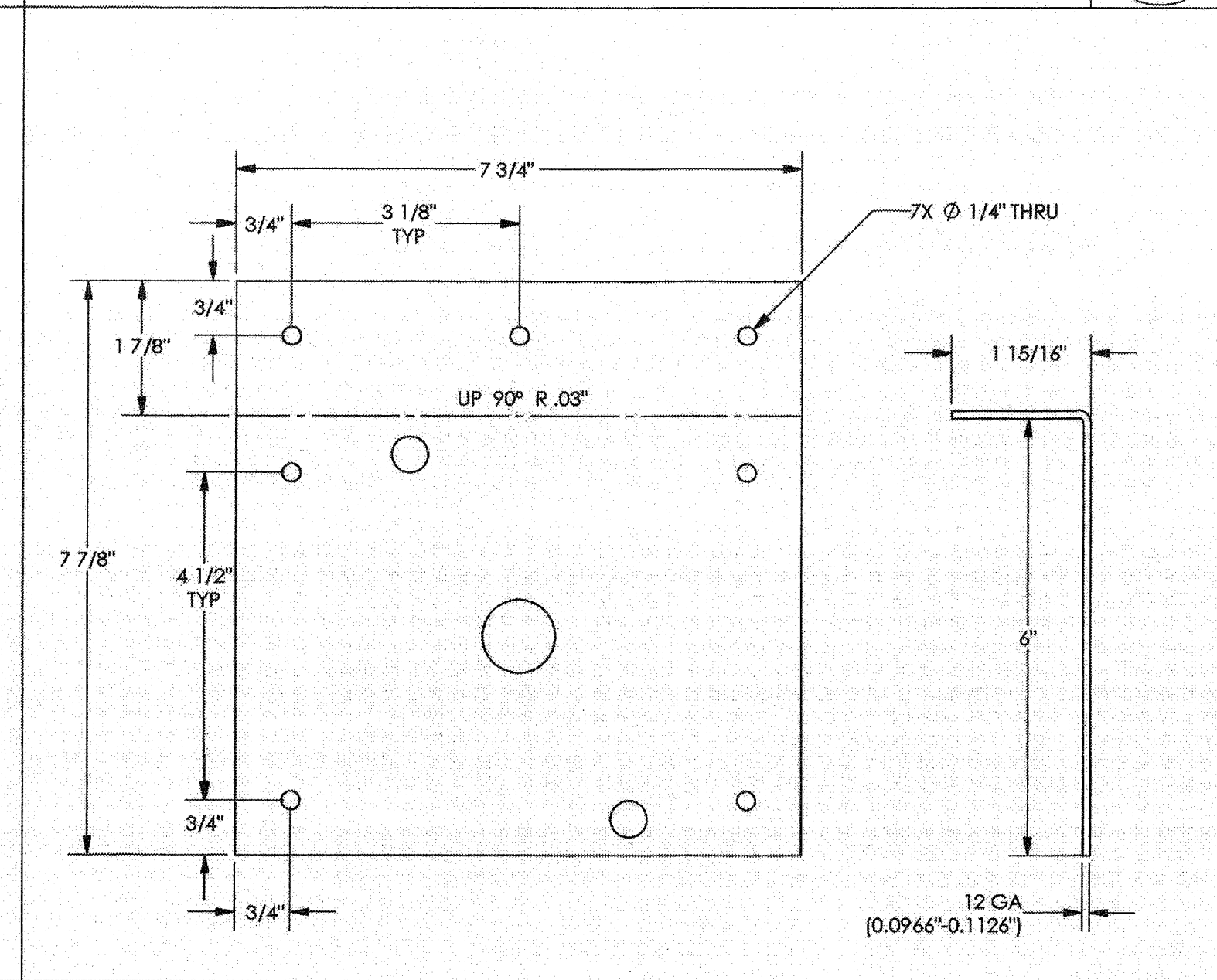
PLATE

E



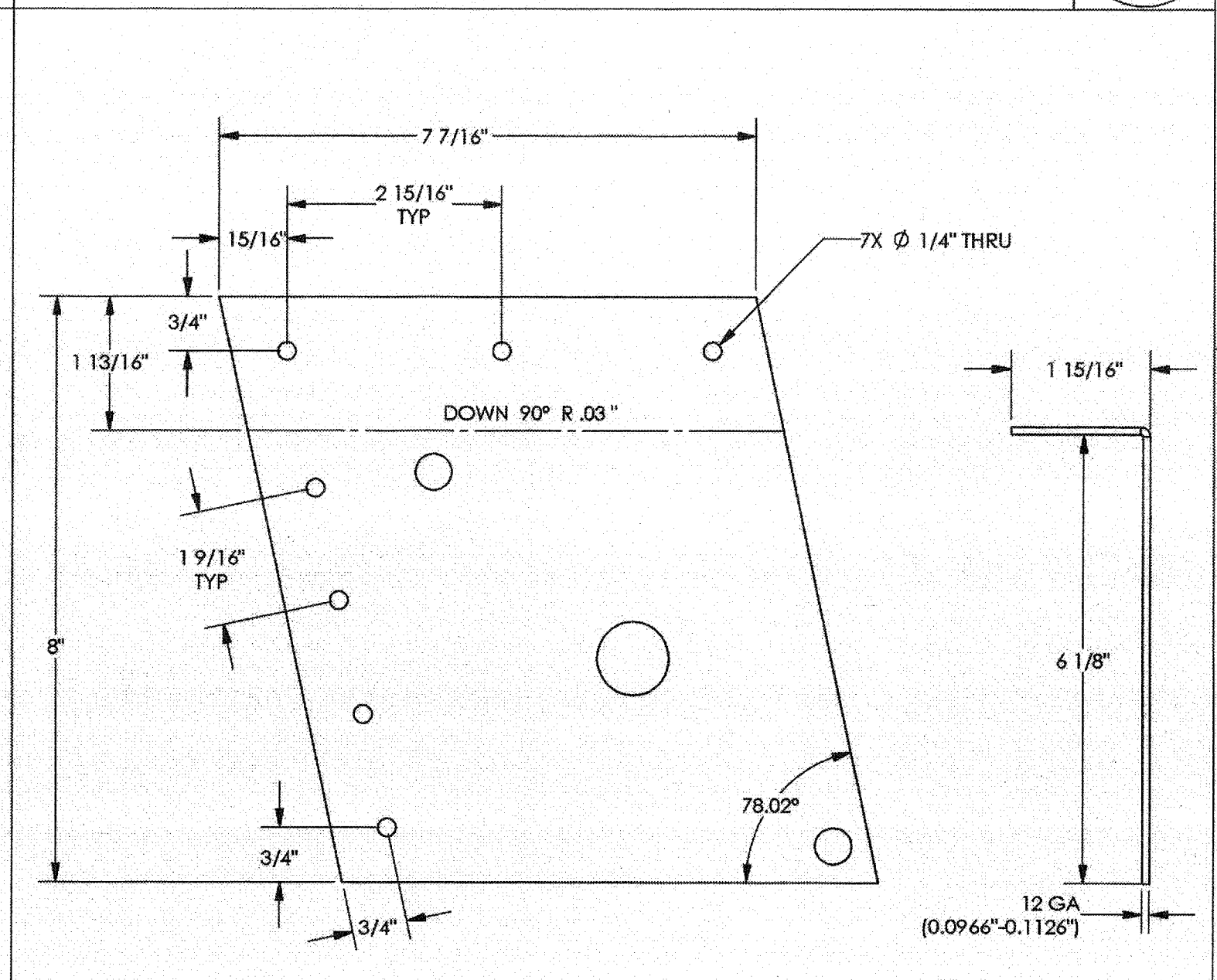
PLATE

F



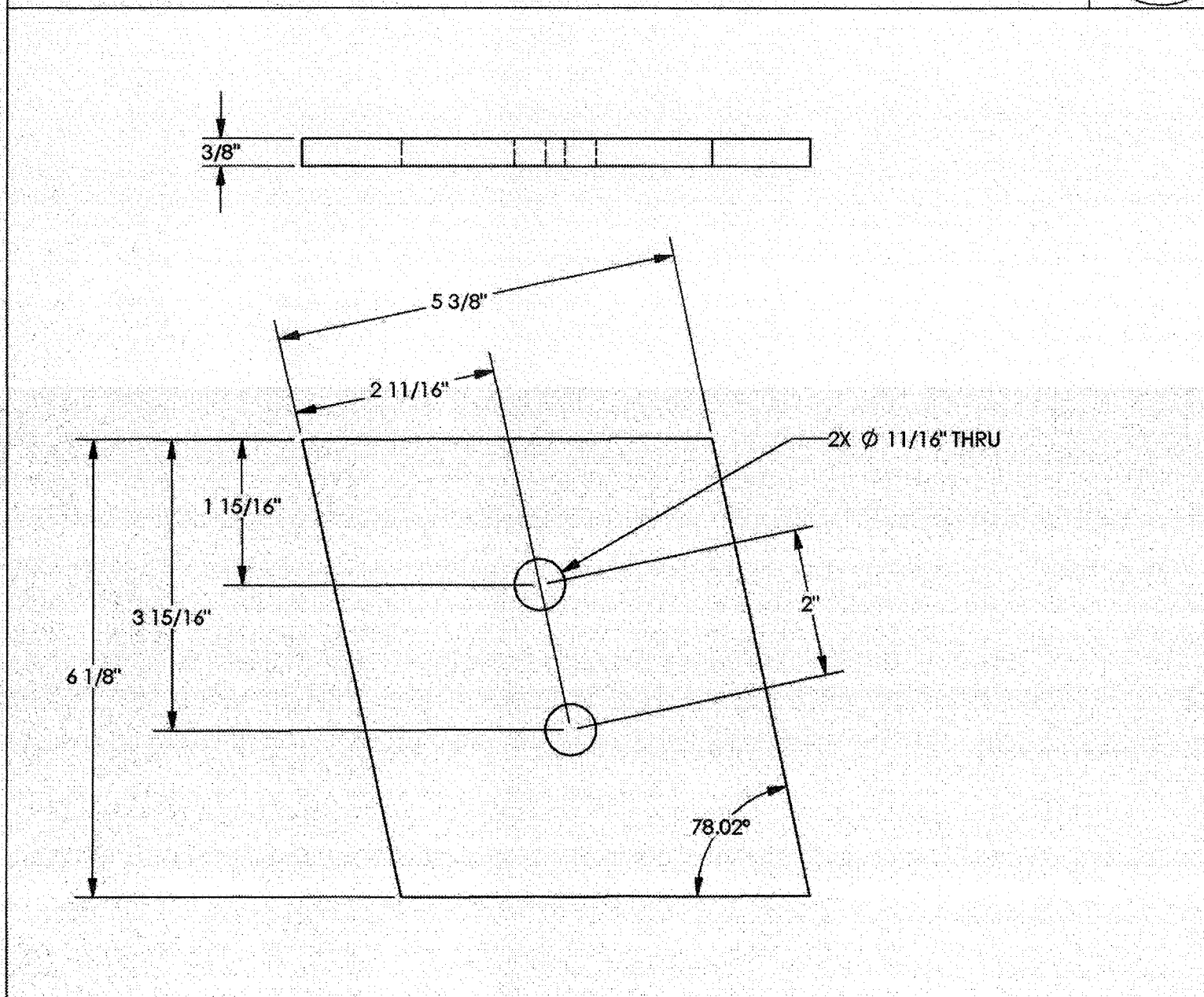
PLATE

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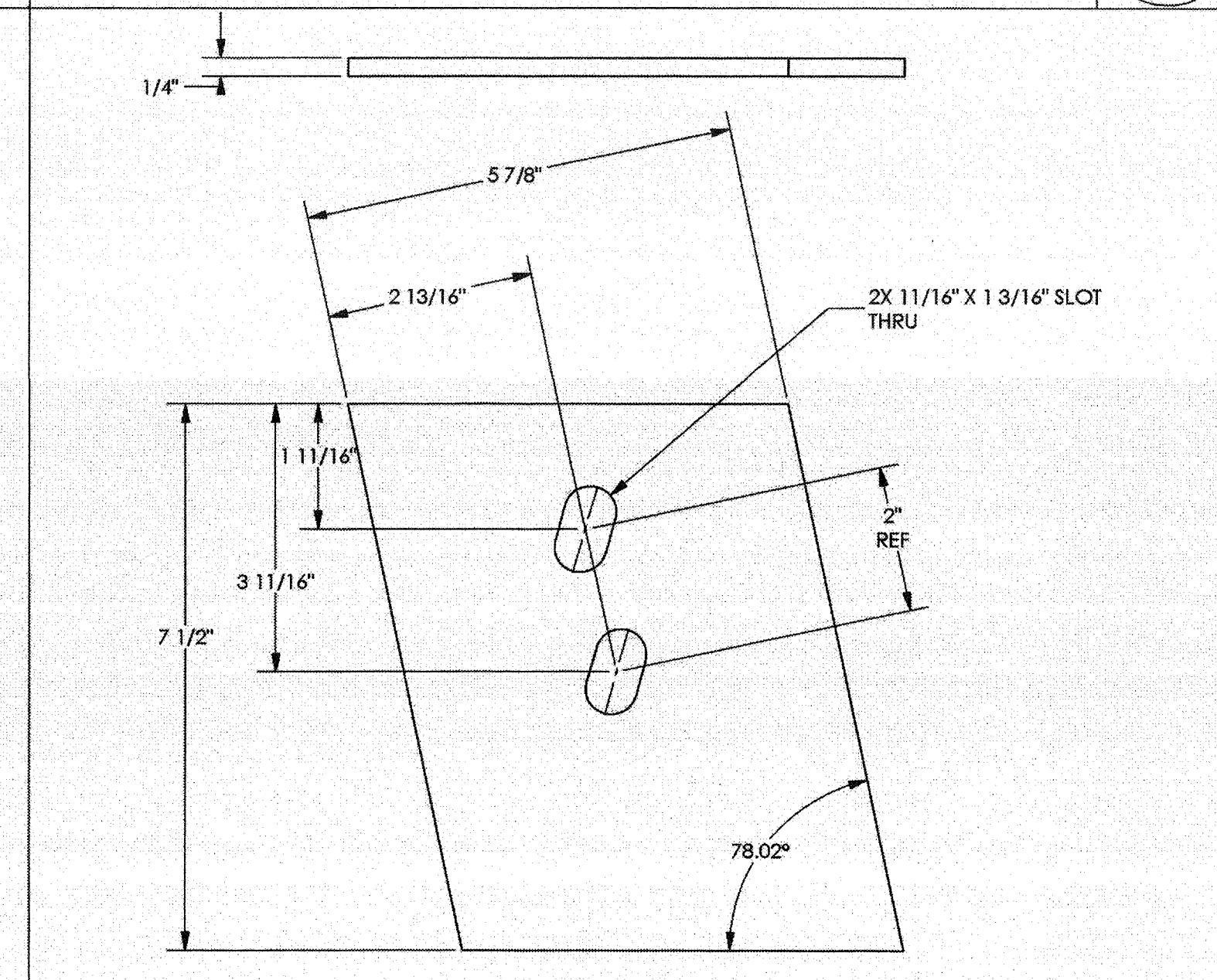
PLATE

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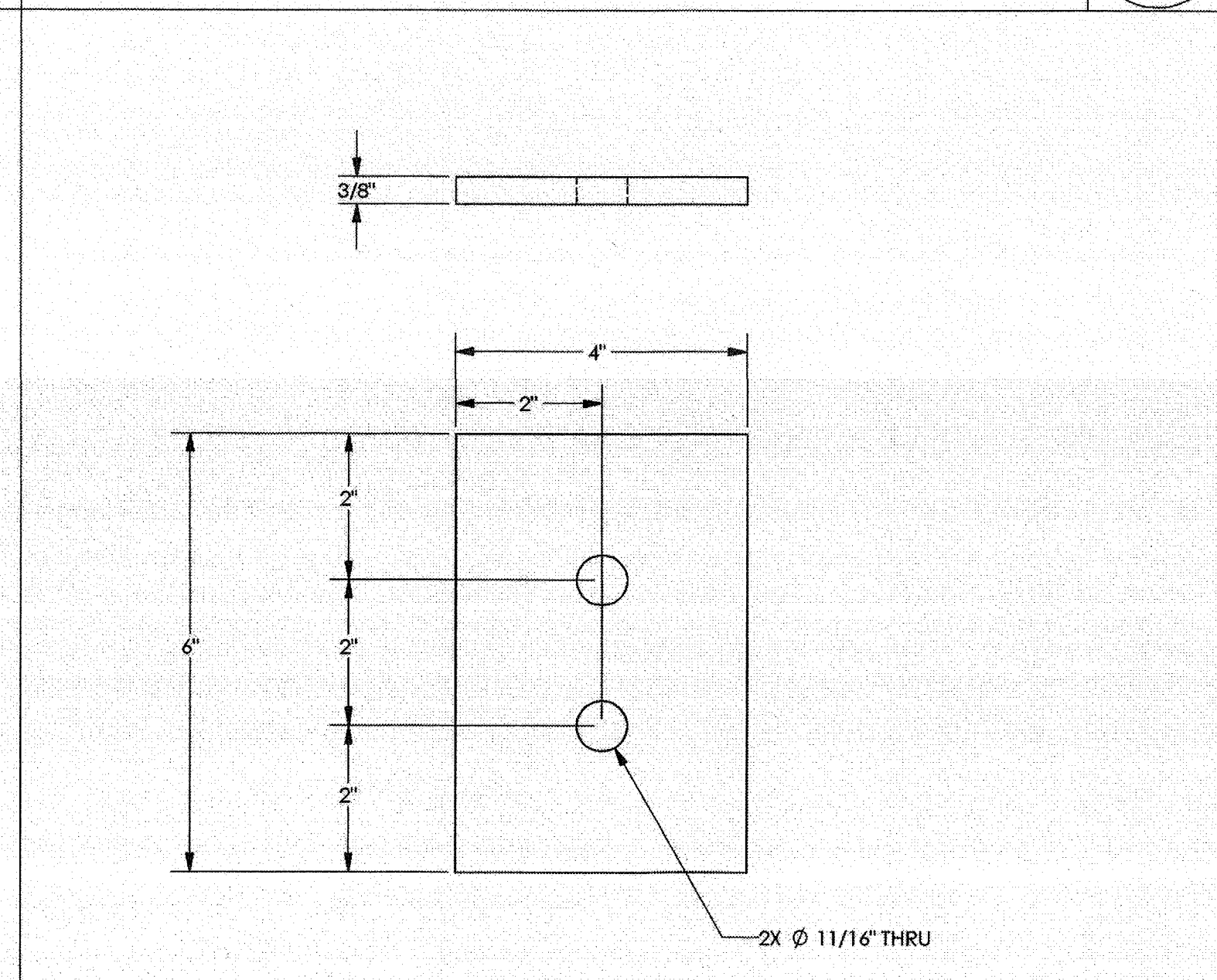
PLATE

J



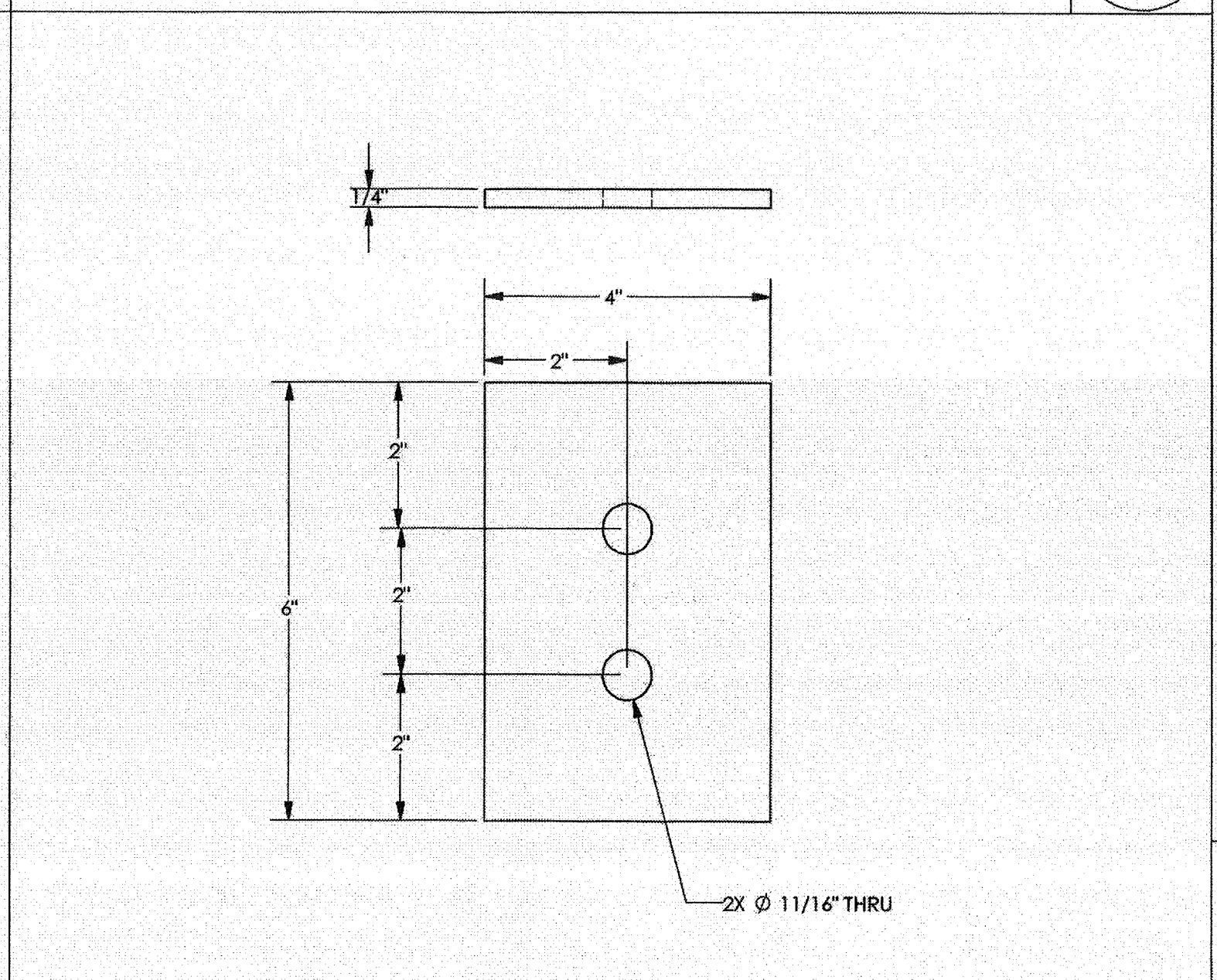
PLATE

K



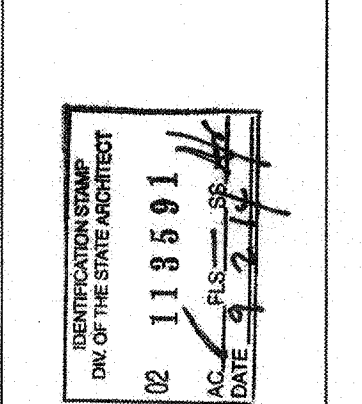
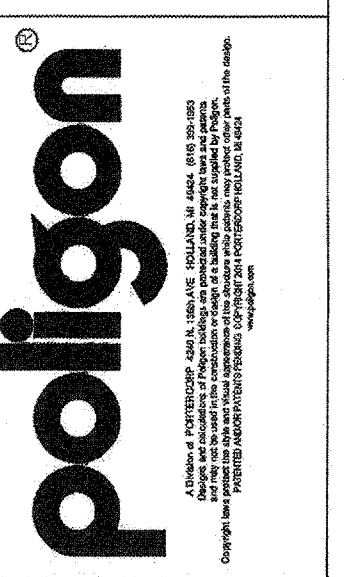
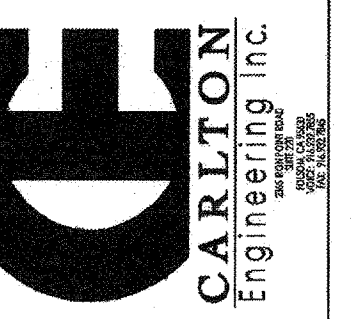
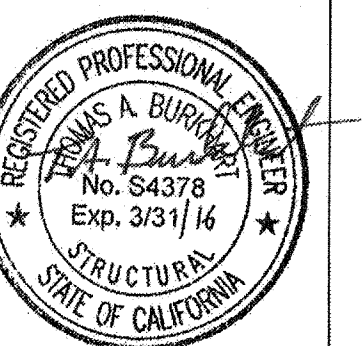
PLATE

L



PLATE

M



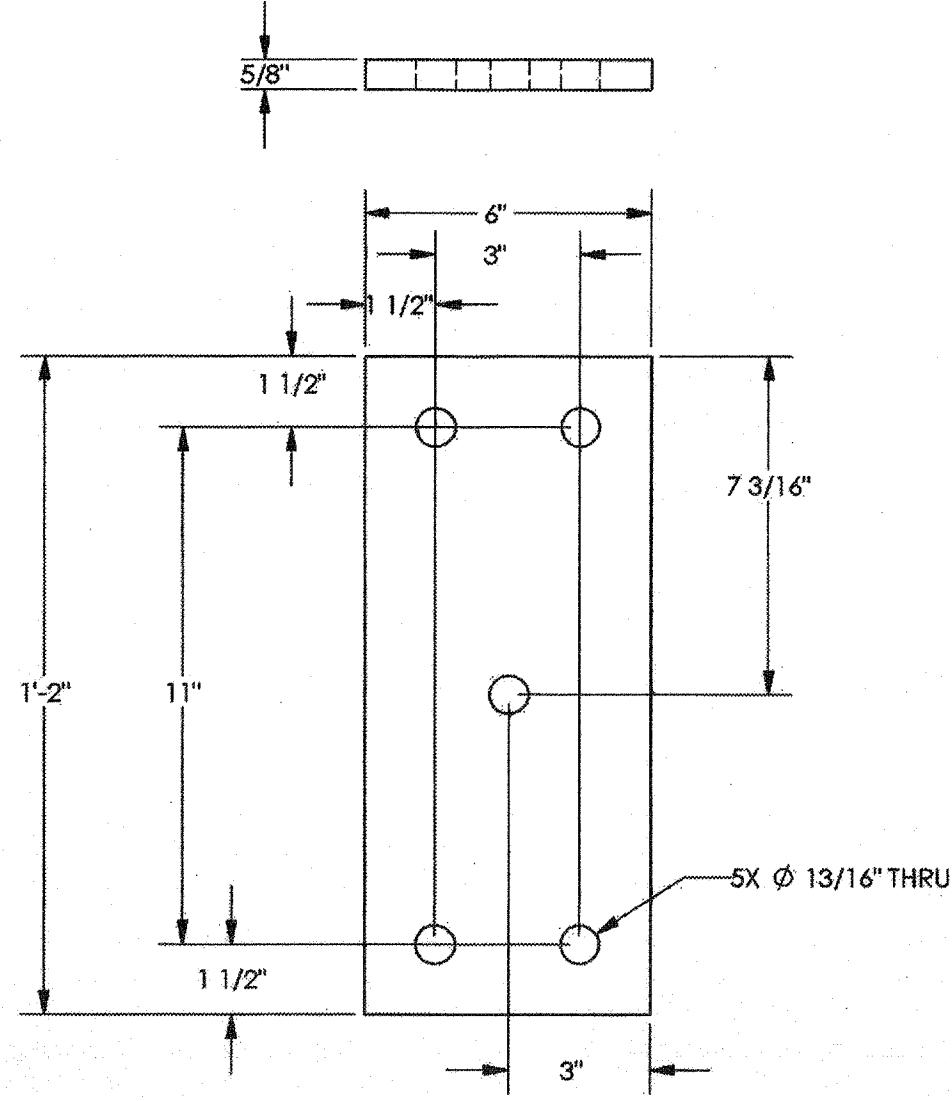
PRE-CHECK (PC) DOCUMENT
CODE: 2013 CBC
A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRED.

PLATE DETAILS
RAM 20
HIP ROOF (RAM)
PC DRAWINGS

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

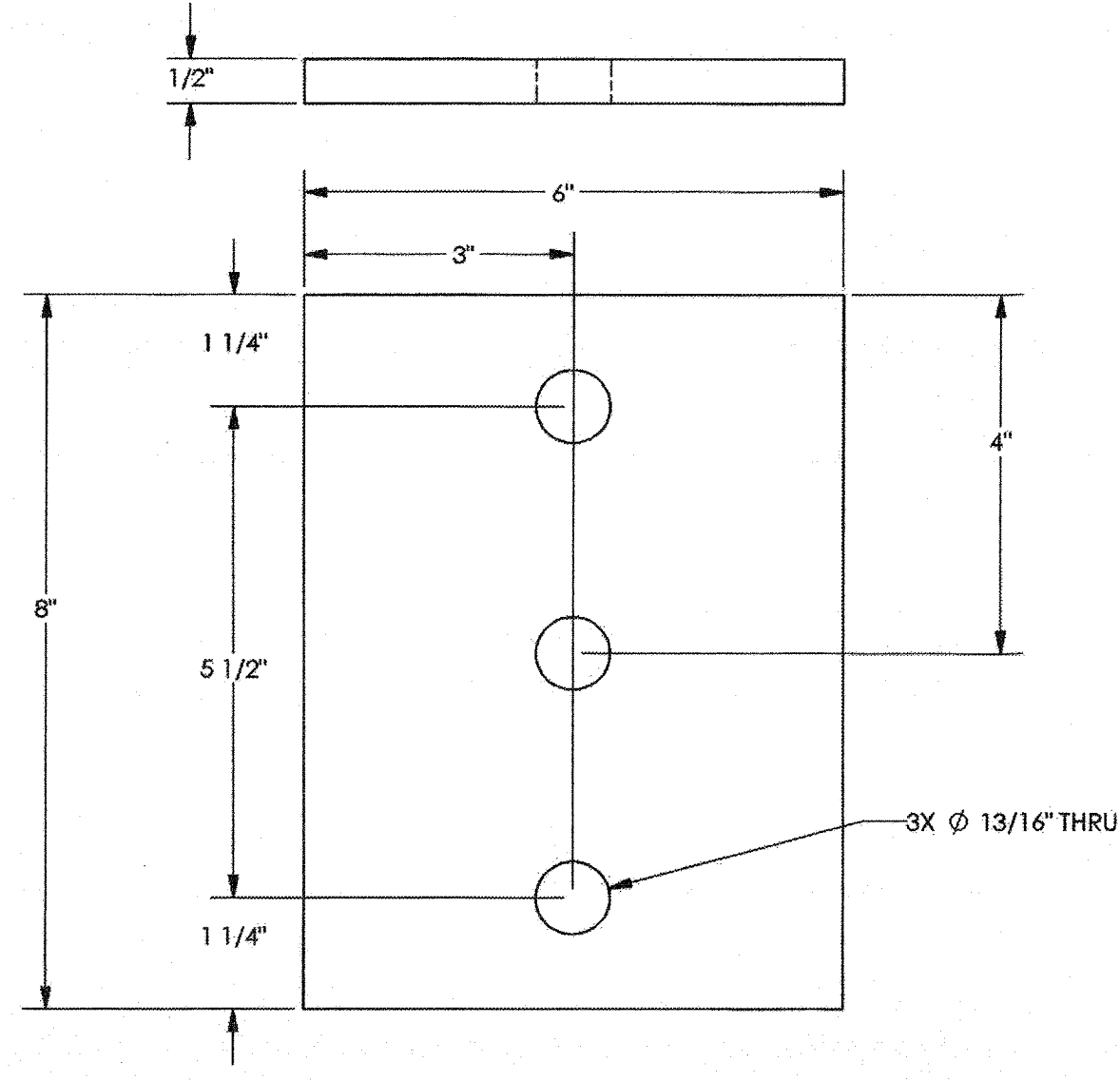
PD6.0

2014A



PLATE

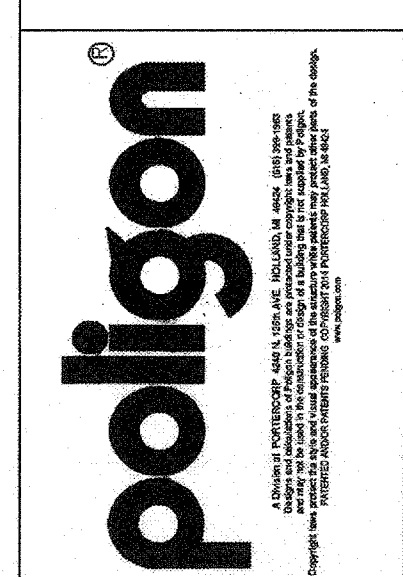
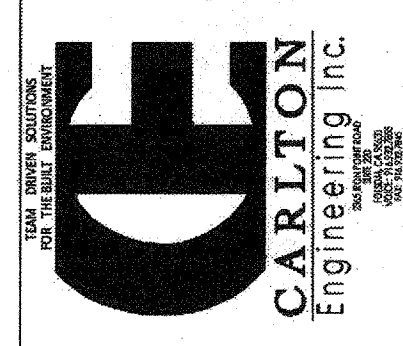
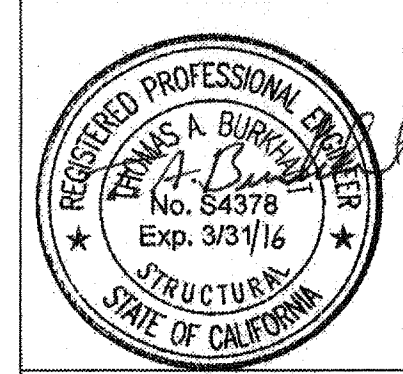
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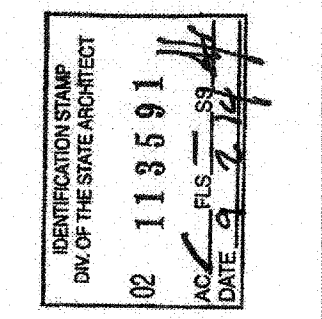
PLATE

P

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 03 117044
 AC: *FLS JCS*
 Date: *APR 29 2016*



STATE APPROVALS



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

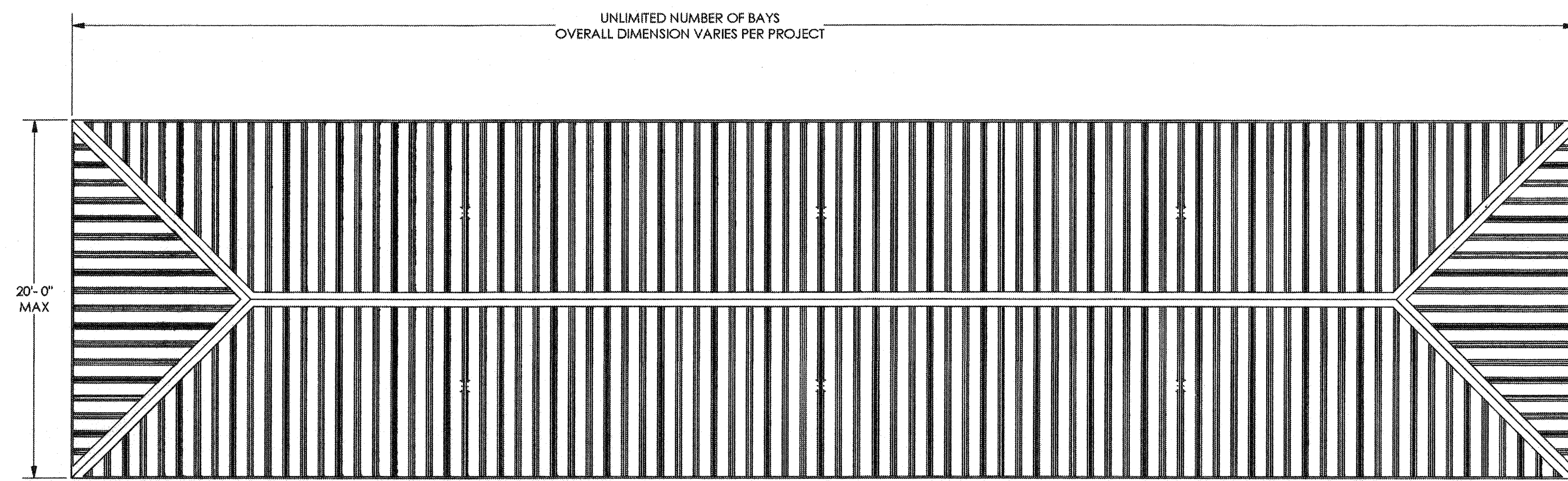
PLATE DETAILS
 RAM-20

HIP ROOF (RAM)
 PC DRAWINGS

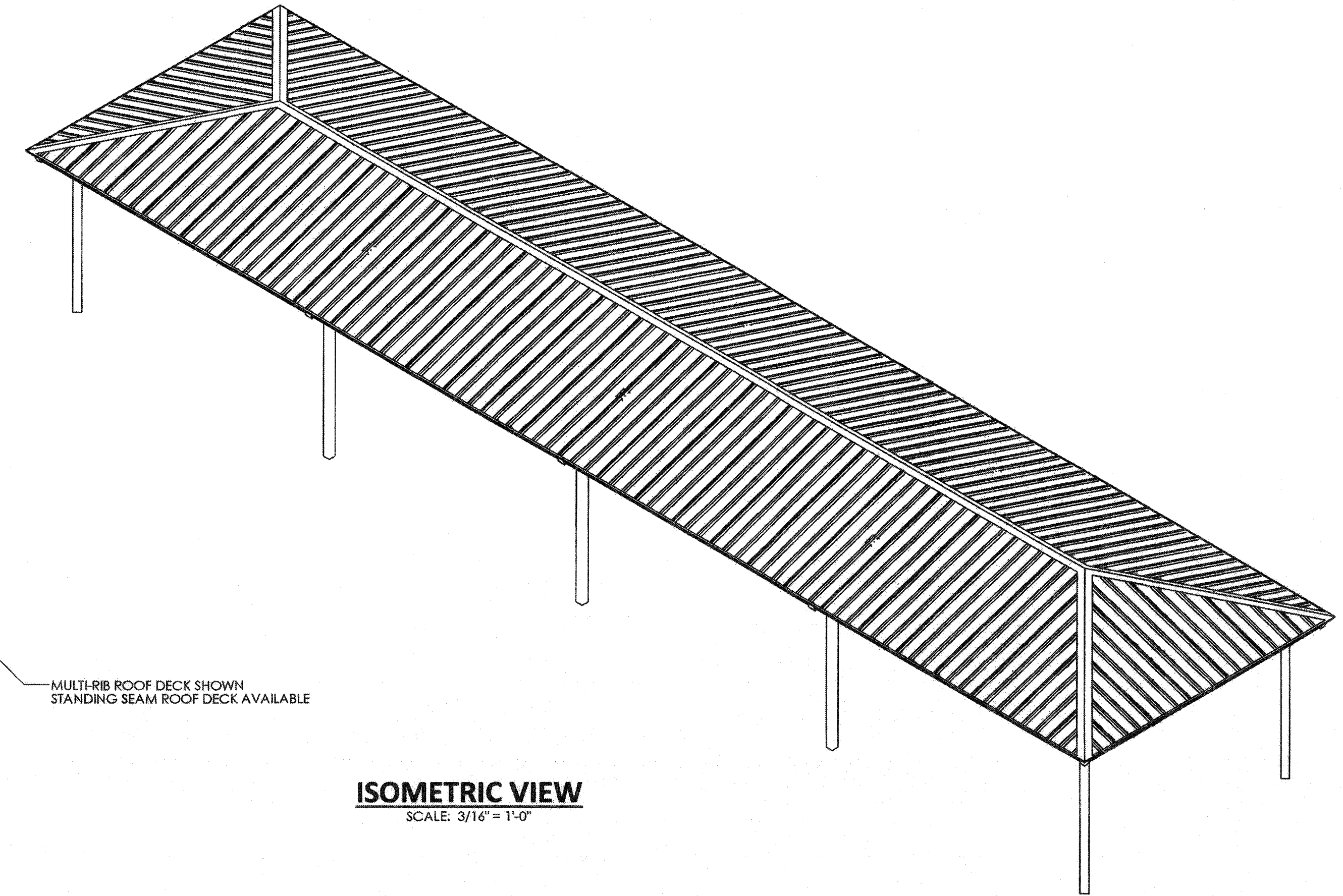
DRAWN BY: JMD
 CHECKED BY: CE
 POLYGON #: 51458

PD6.1

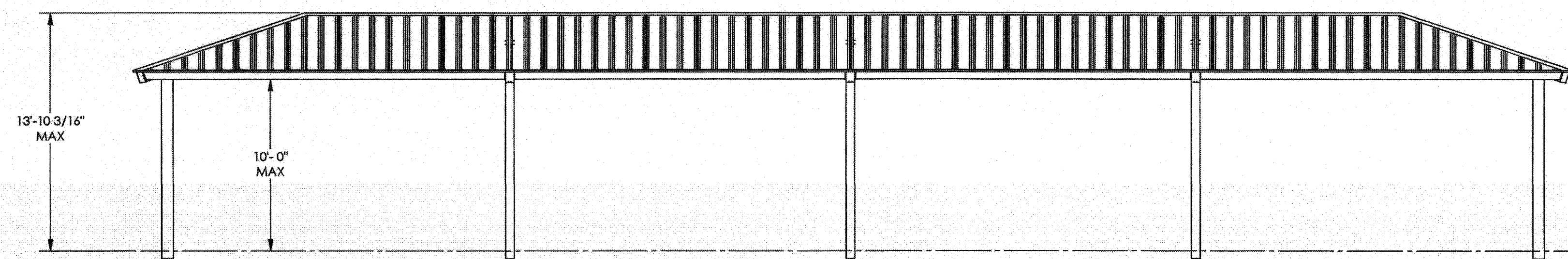
2014A



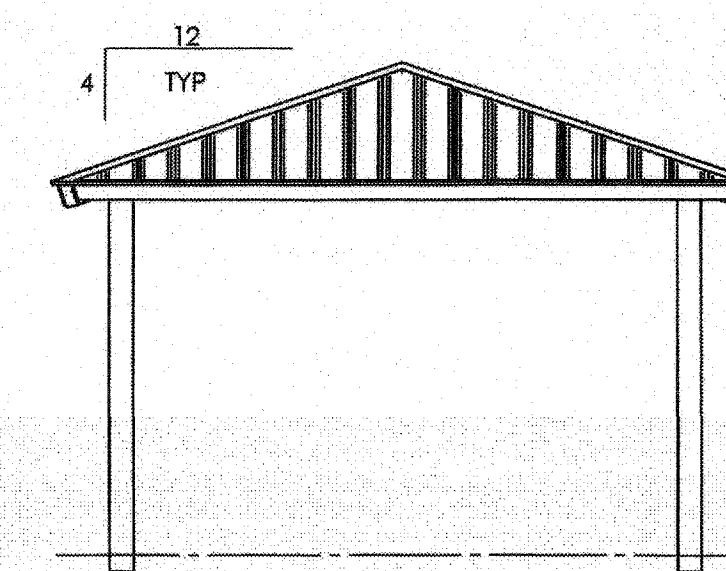
PLAN VIEW
SCALE: 3/16" = 1'-0"



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

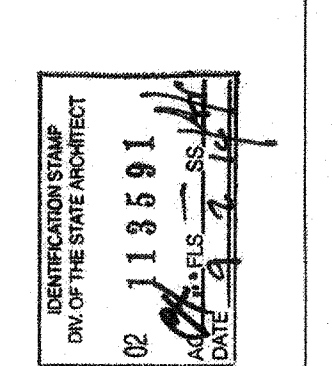
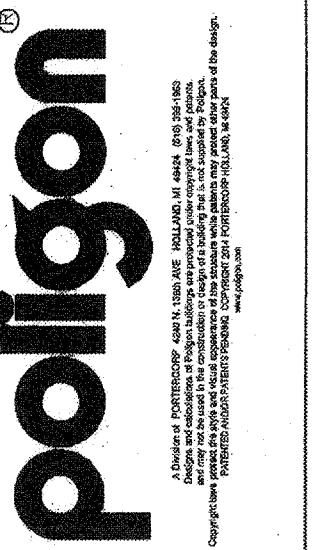
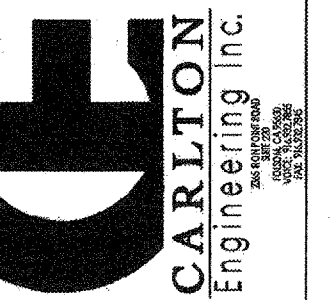
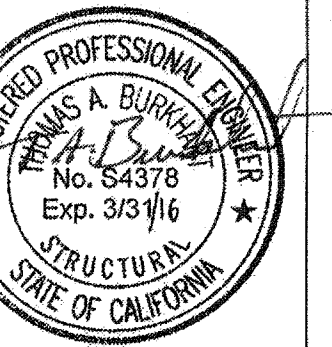


FRONT ELEVATION
SCALE: 3/16" = 1'-0"



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

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Date APR 29 2016



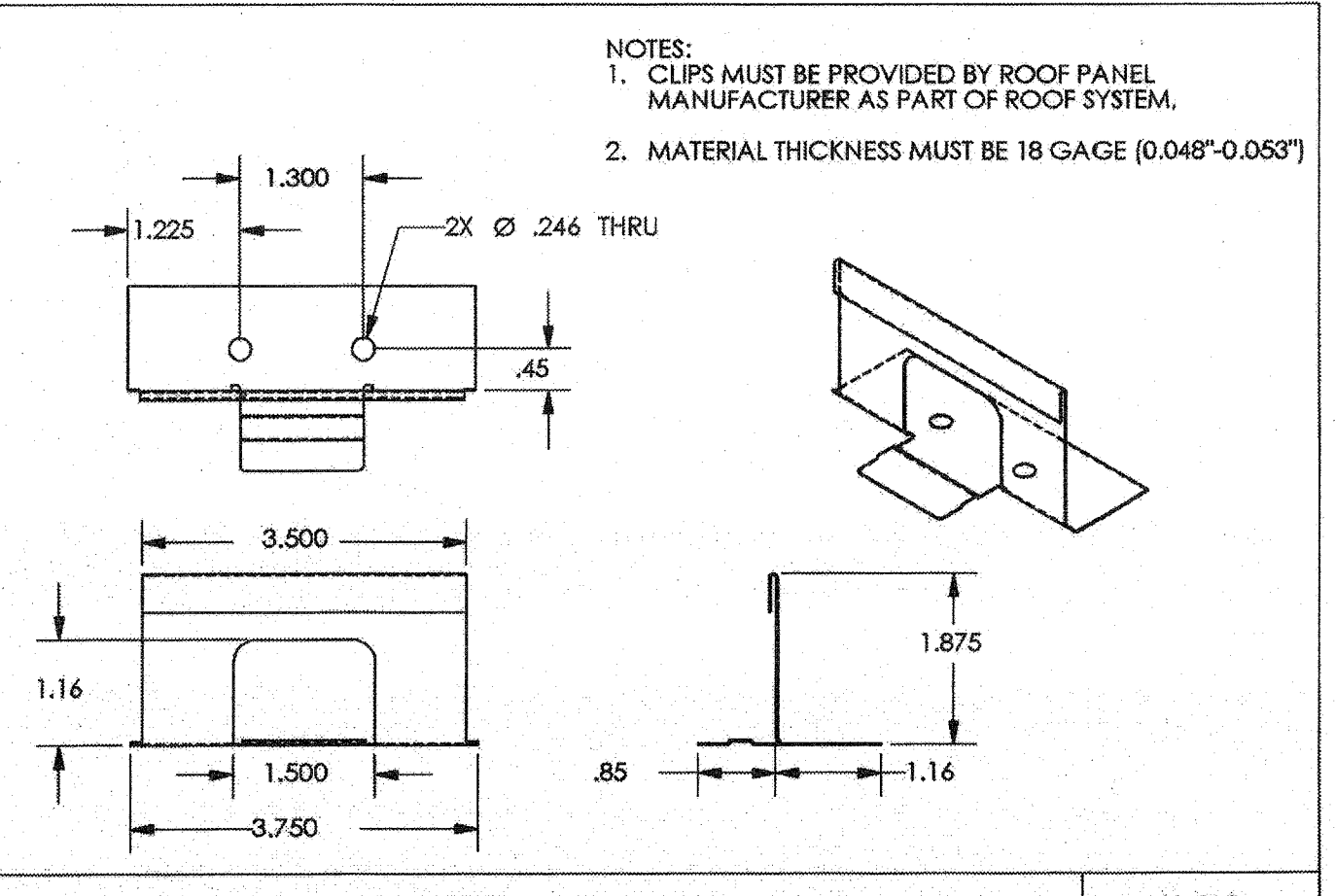
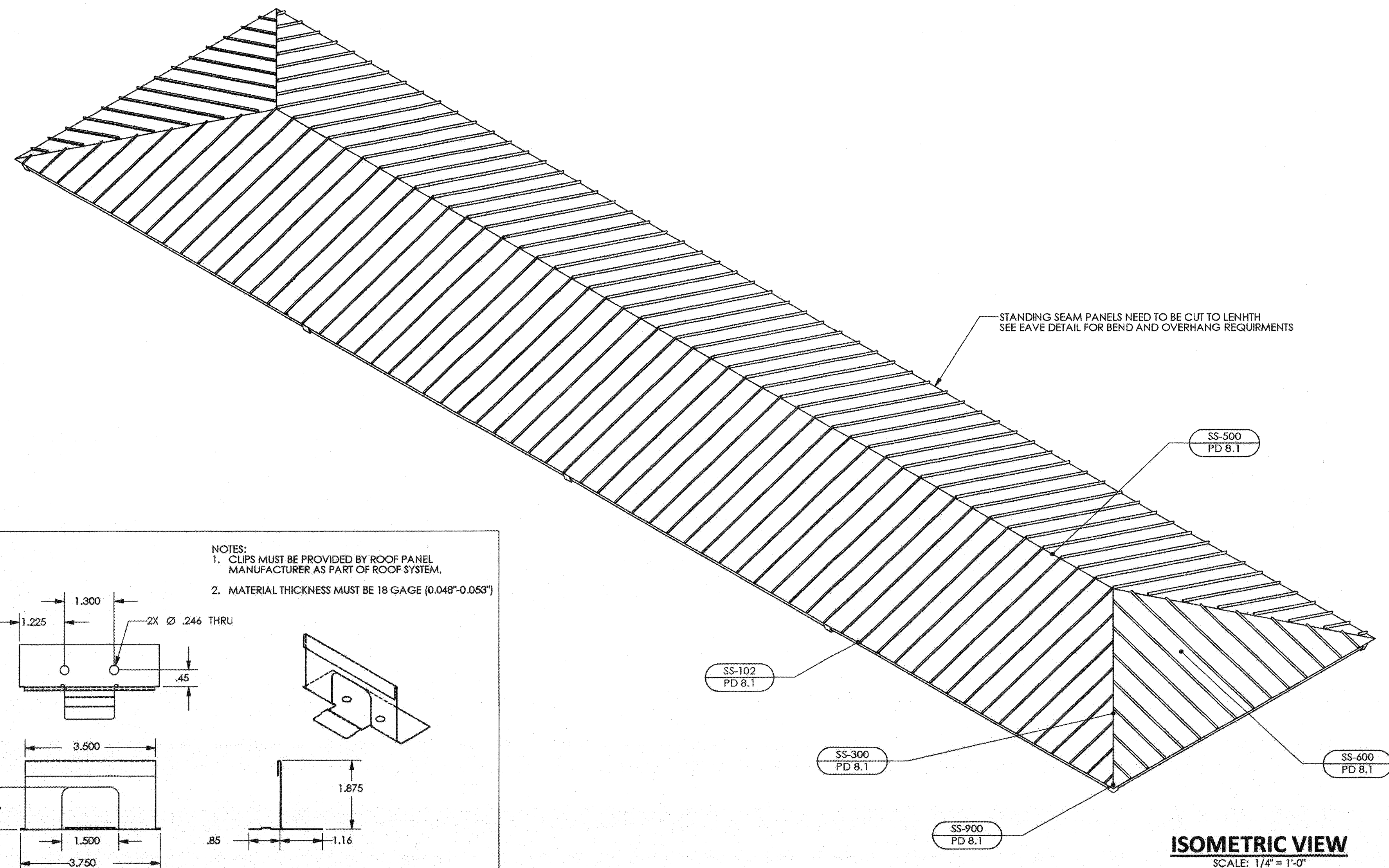
PRE-CHECK (PC) DOCUMENT
CODE: 2013 CBC
A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRED.

ARCHITECTURAL VIEWS
RAM 20
HIP ROOF (RAM)
PC DRAWINGS

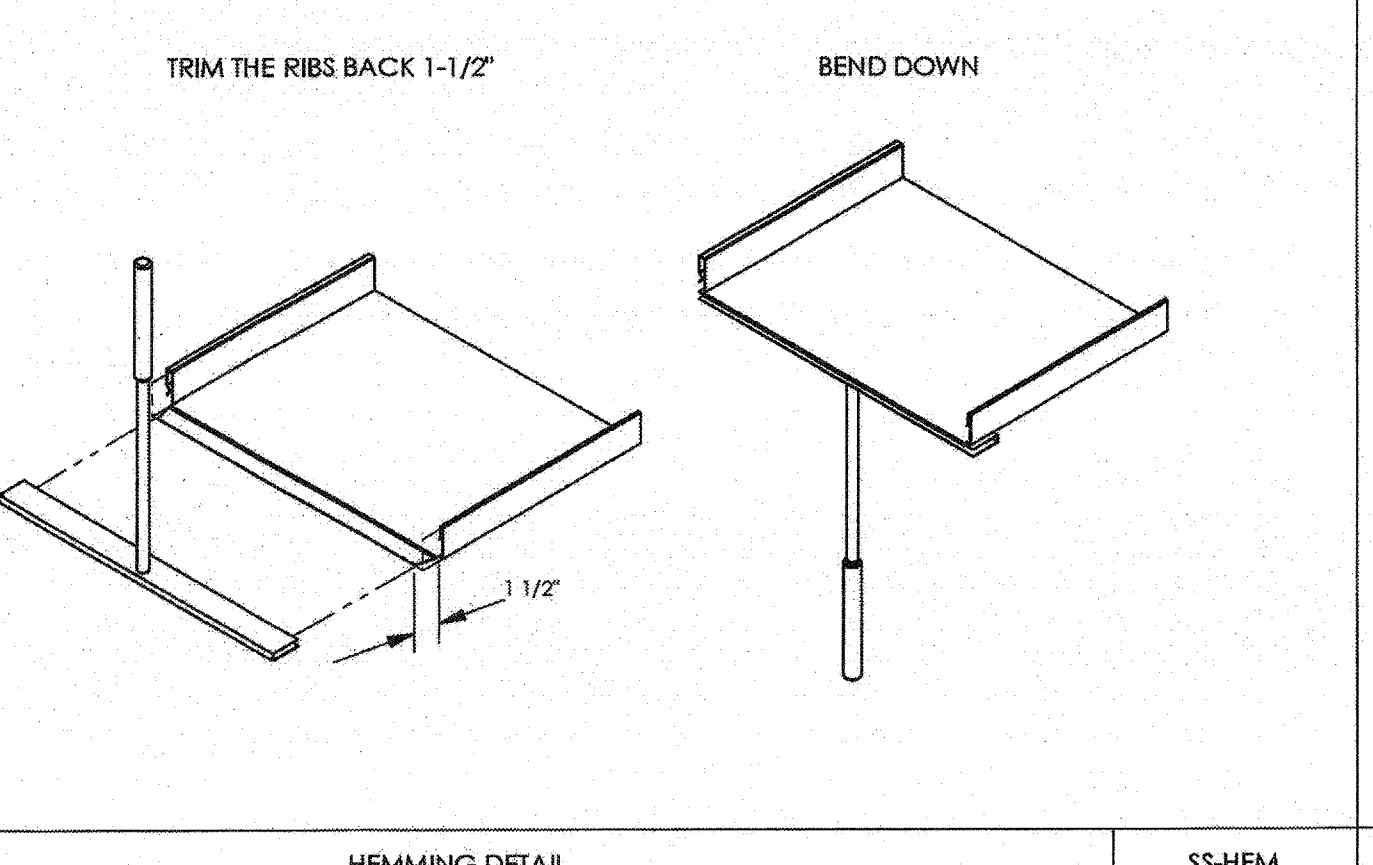
DRAWN BY: JMD
CHECKED BY: CE
POLYGON #: 51568

PD7.0

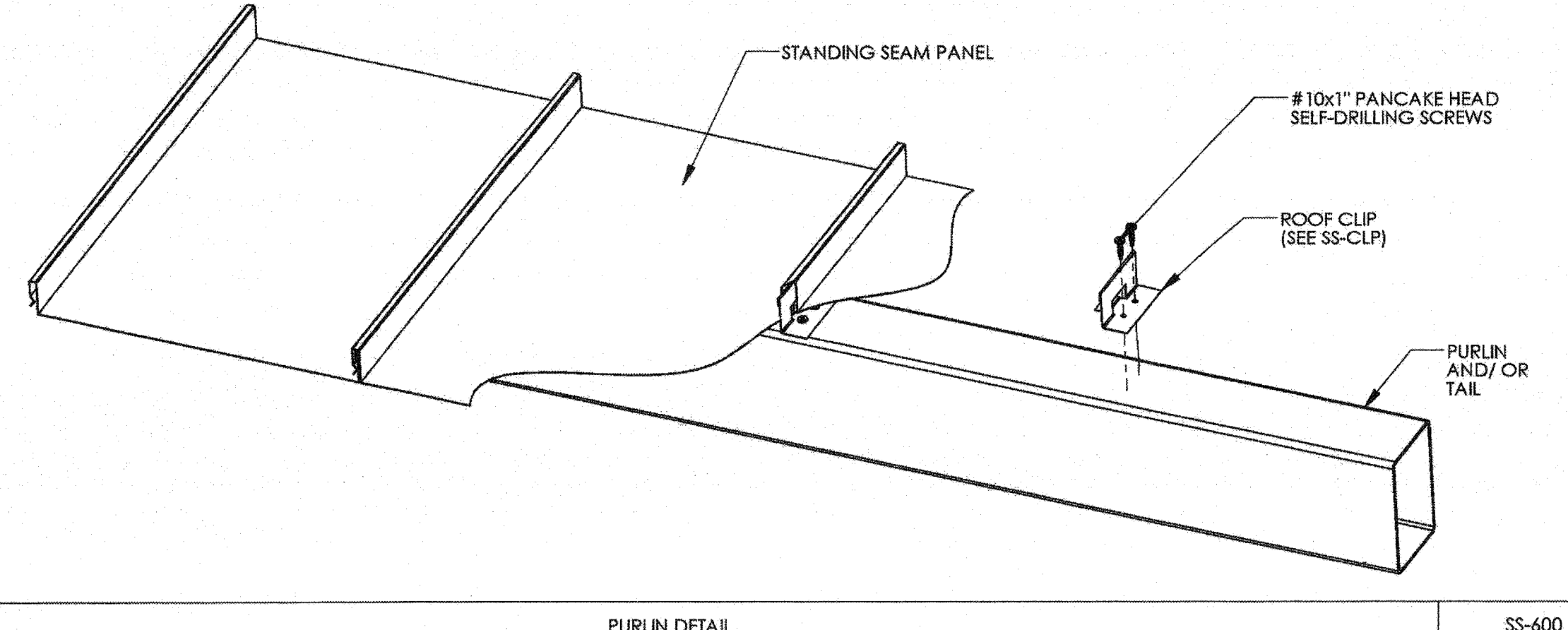
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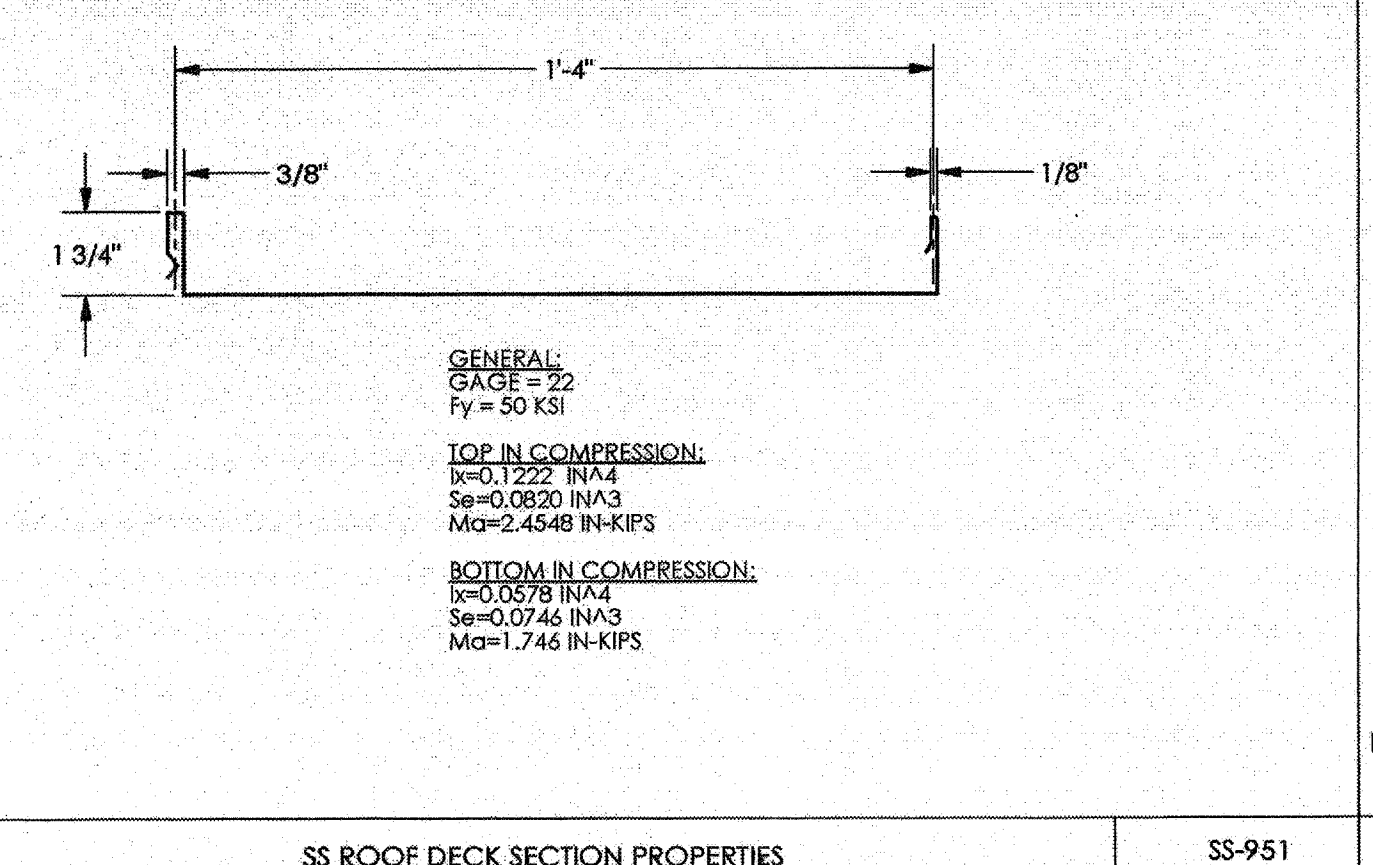
CLIP DETAIL SS-CLP



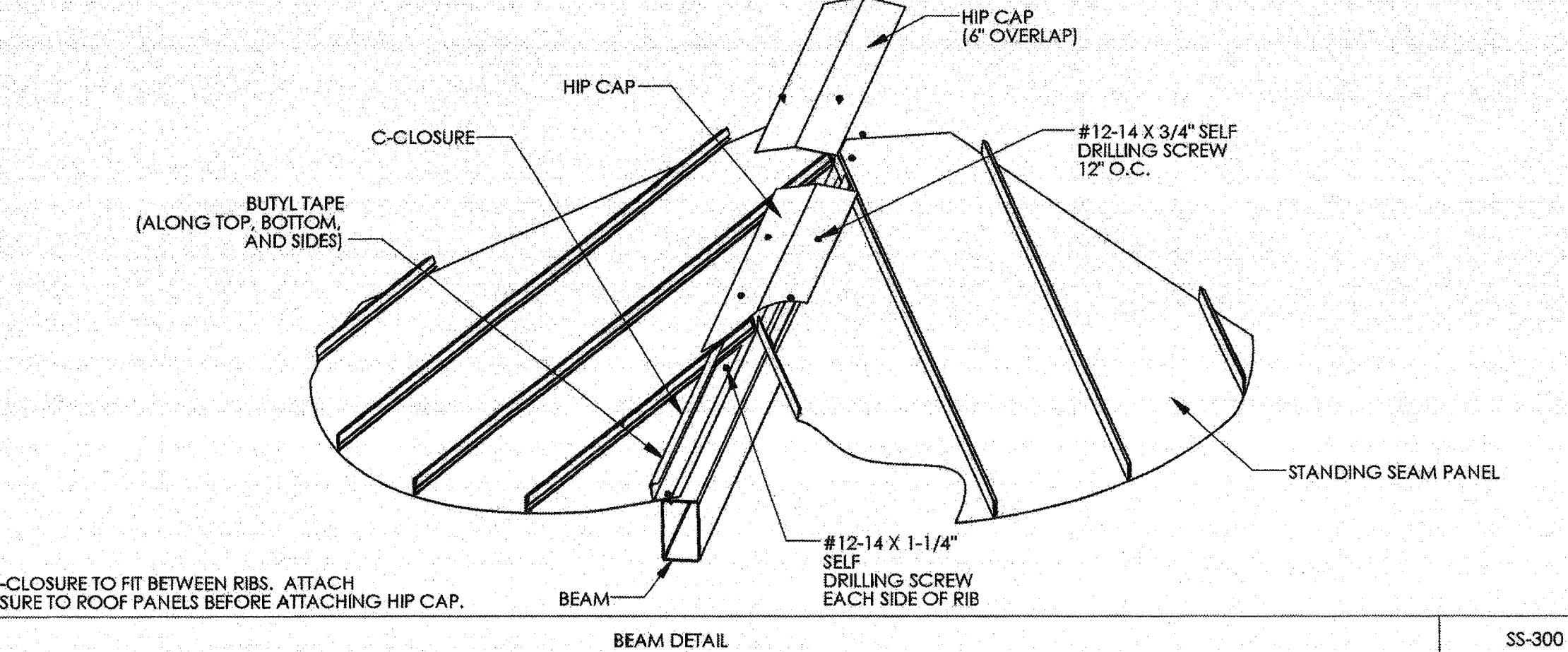
HEMMING DETAIL SS-HEM



PURLIN DETAIL SS-600



SS ROOF DECK SECTION PROPERTIES SS-951

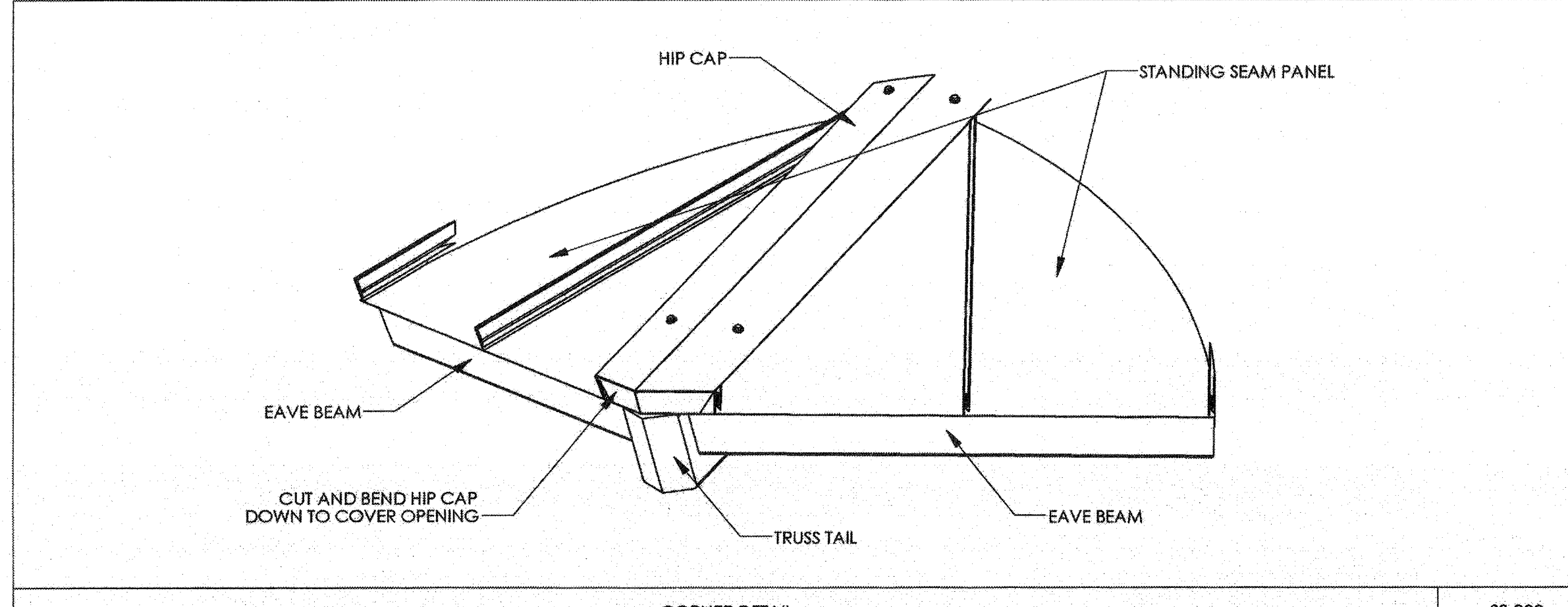


BEAM DETAIL SS-300

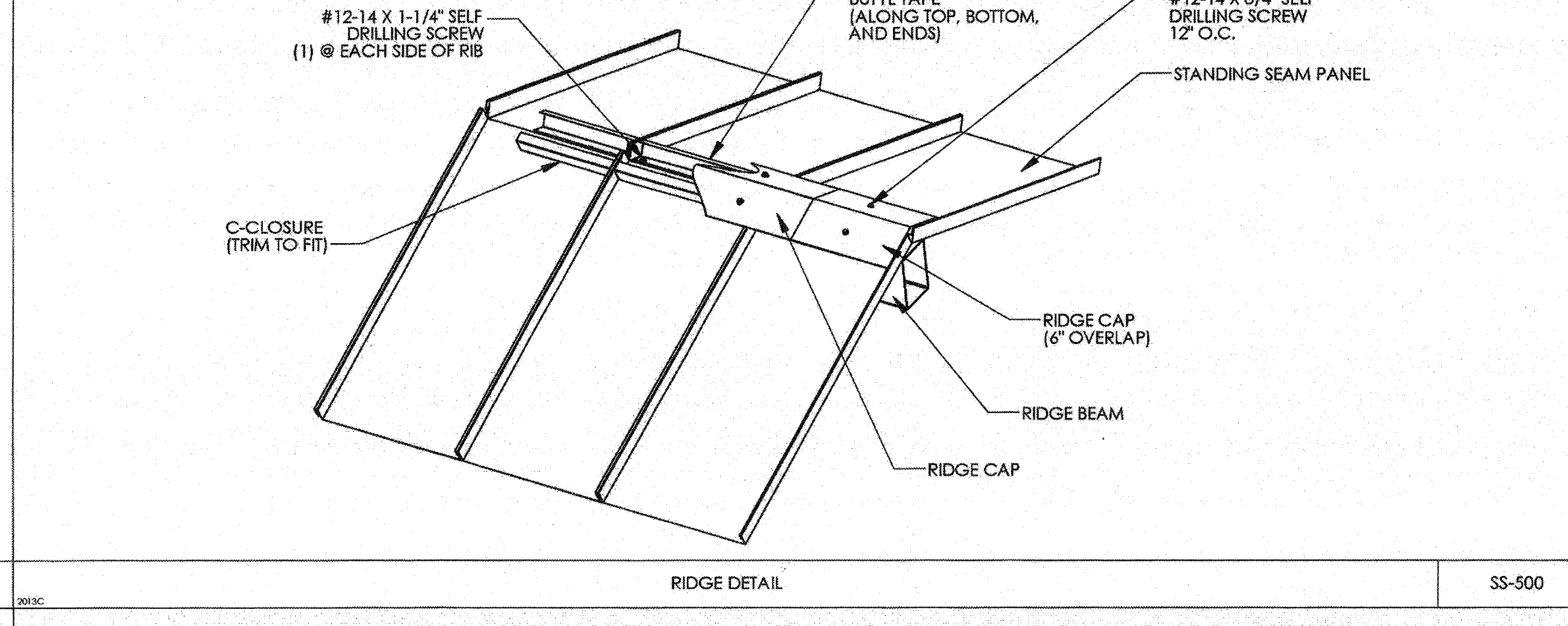
ROOF LAYOUT NOTES (SS):

- 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.

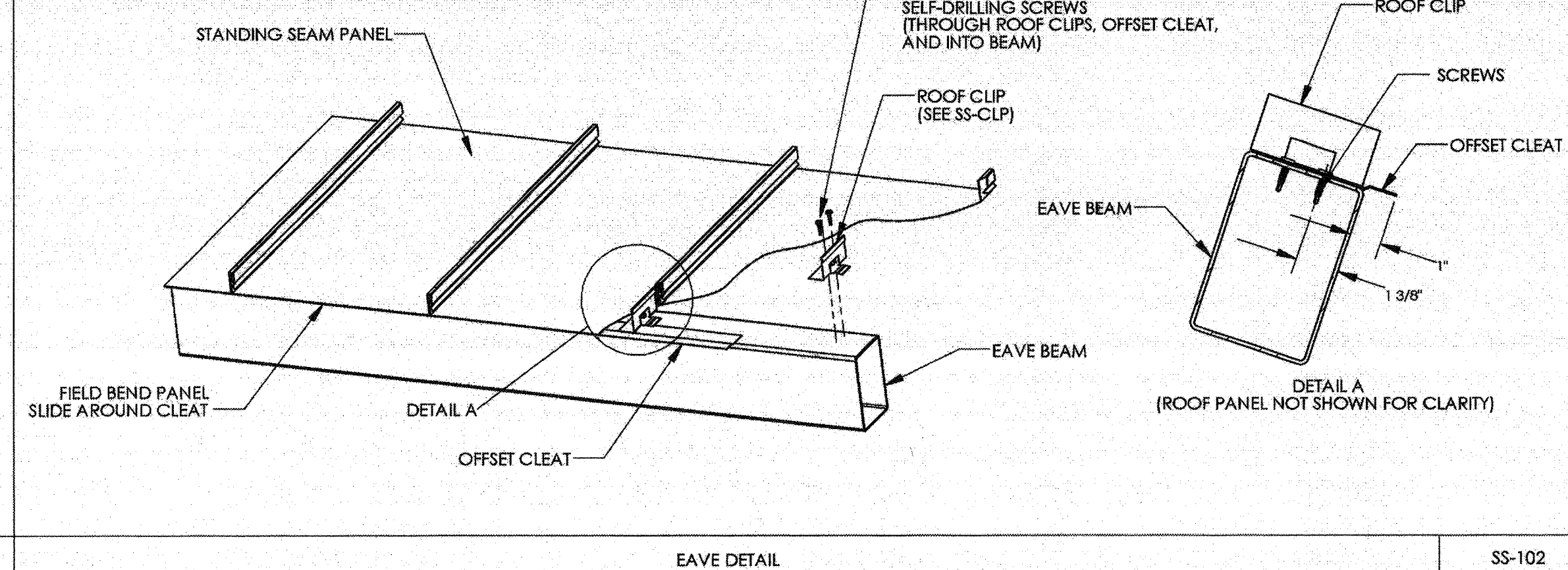
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03 11704
AC FLS [Signature]
Date APR 29 2016



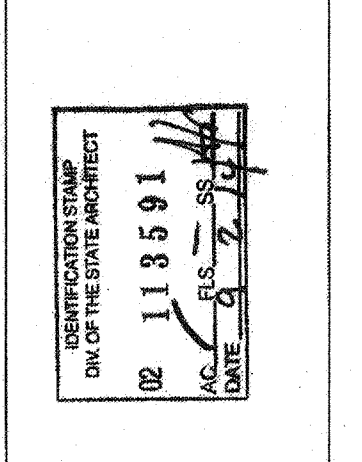
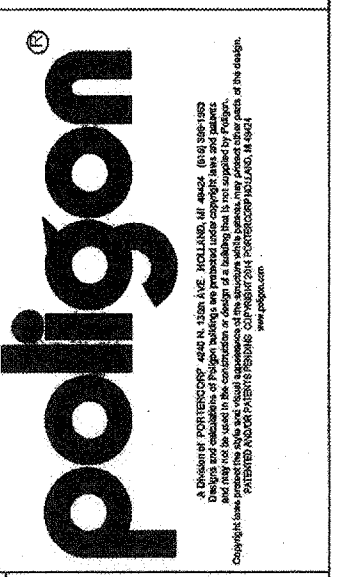
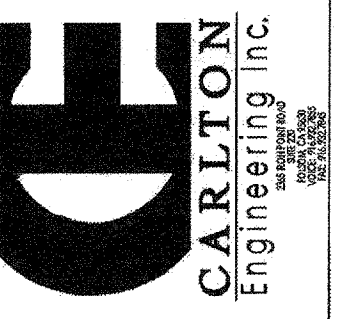
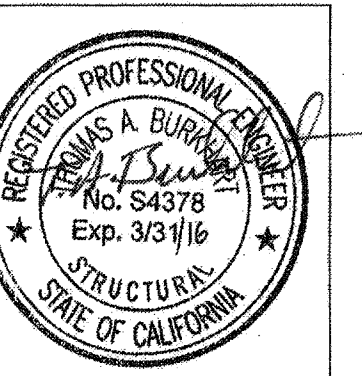
CORNER DETAIL SS-900



RIDGE DETAIL SS-500



EAVE DETAIL SS-102

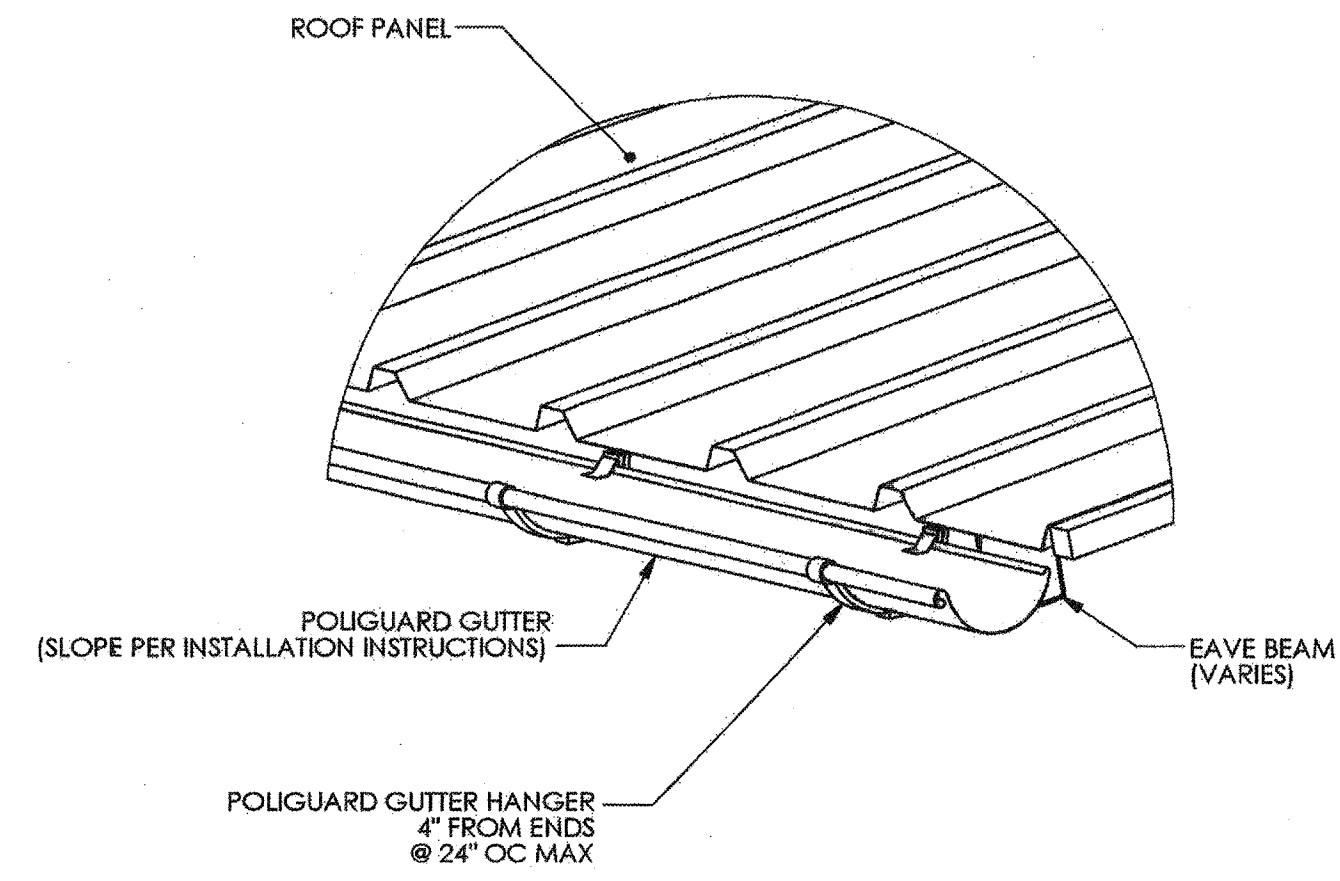


PRE-CHECK (PC) DOCUMENT
CODE: 2013 CBC
A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRED.

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

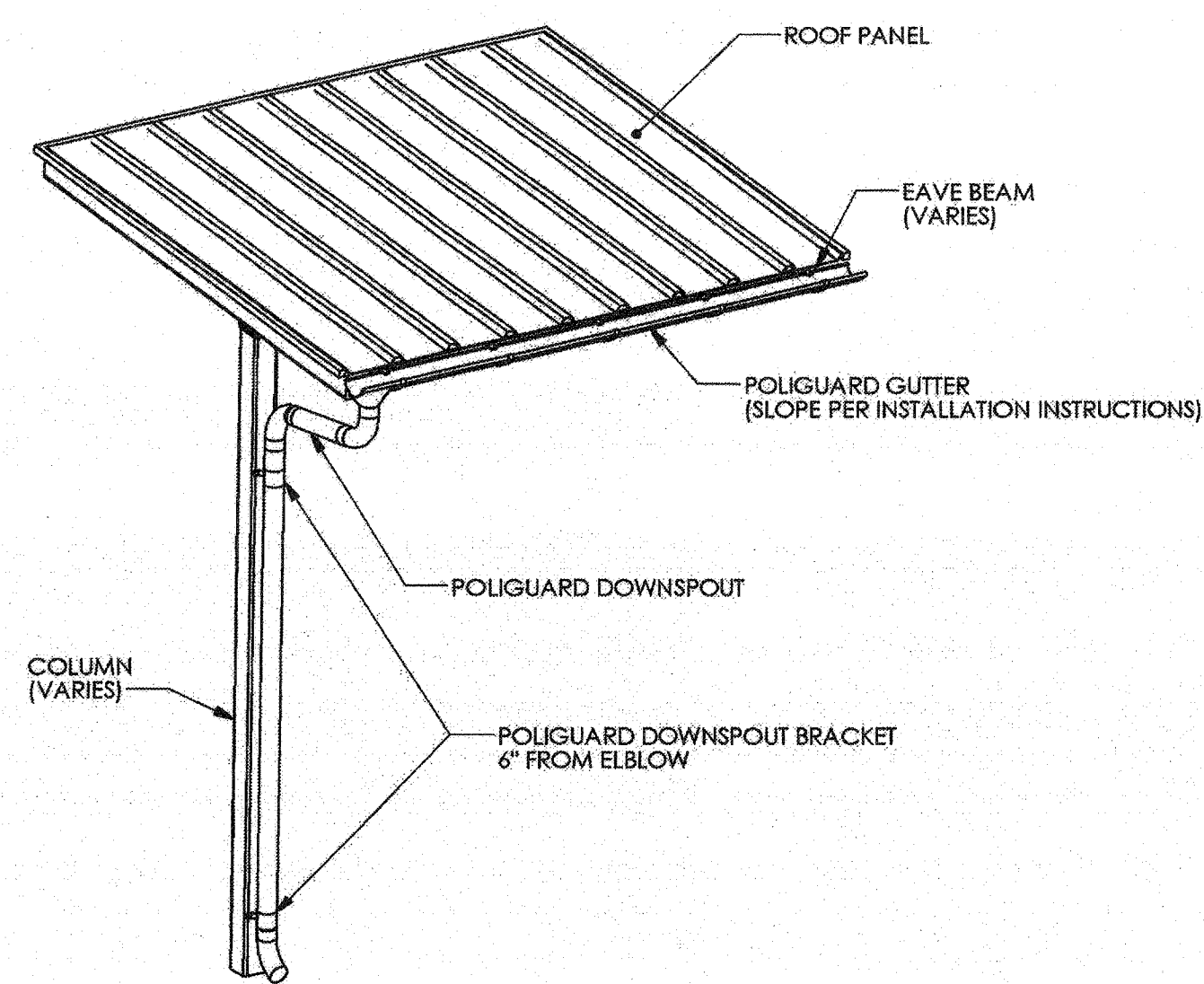
PD8.1
DRAWN BY: JMD
CHECKED BY: CE
POLYGON # 51558

2014A



GUTTER DETAIL

GS-100

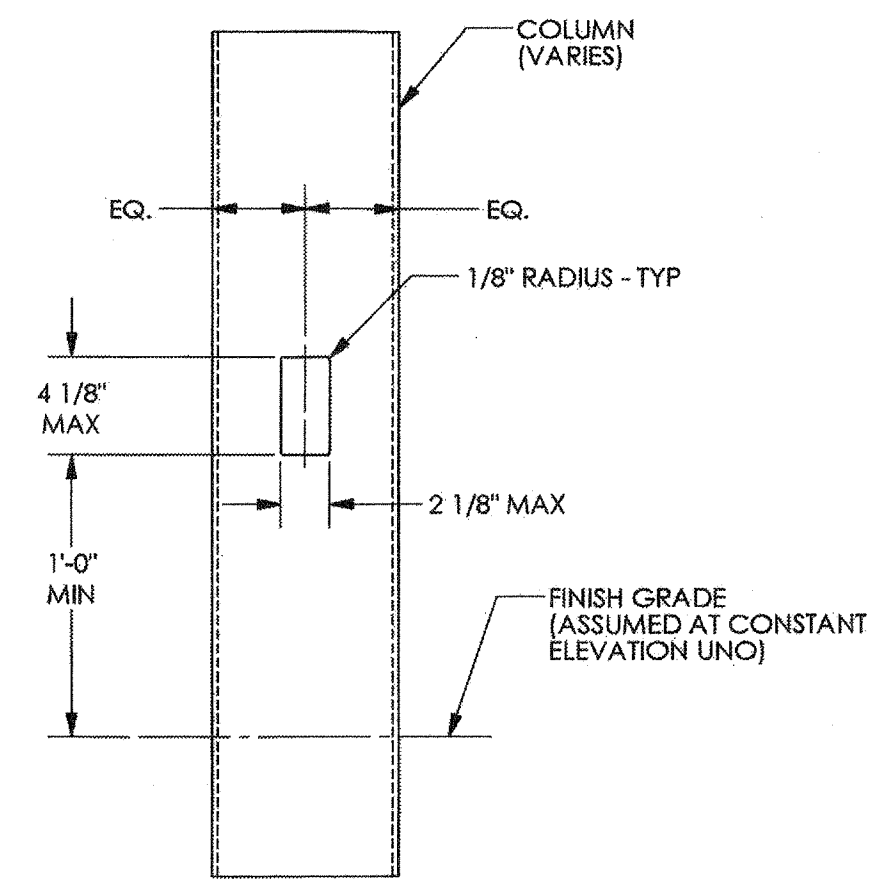


DOWNSPOUT DETAIL

GS-200

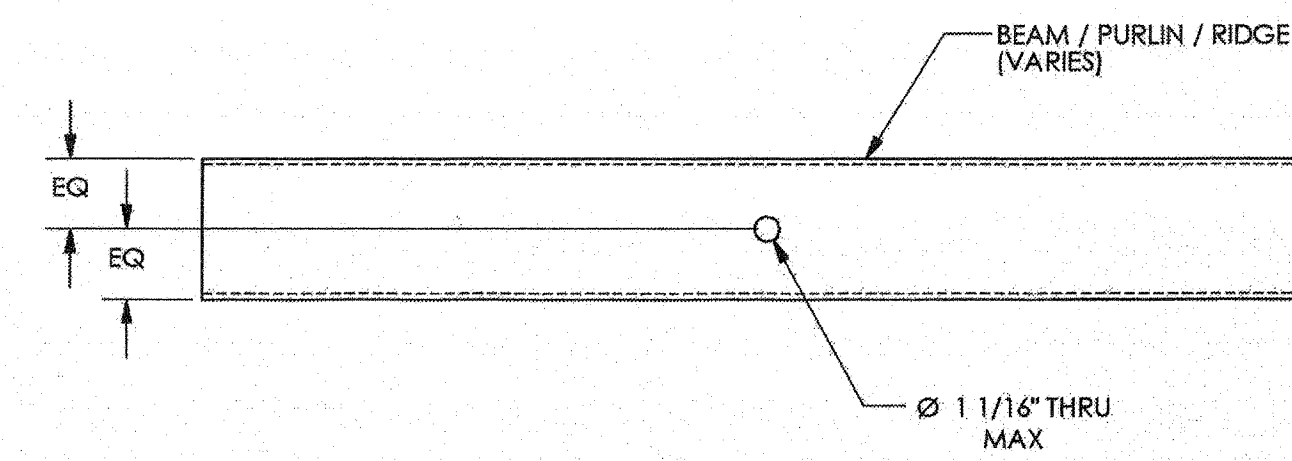
POLIGUARD GUTTER SYSTEM NOTES:

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 IN COLUMNS

EC-100



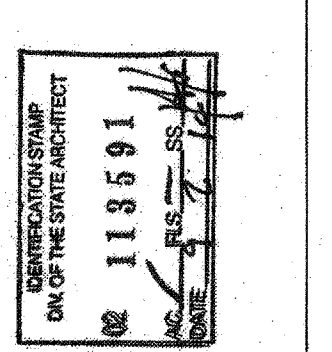
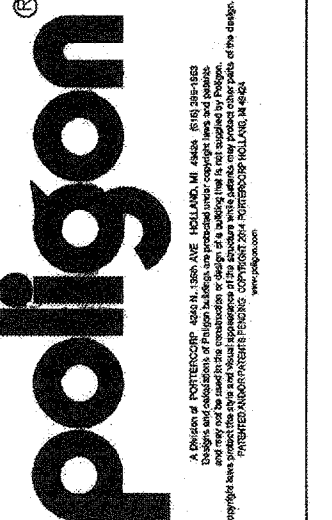
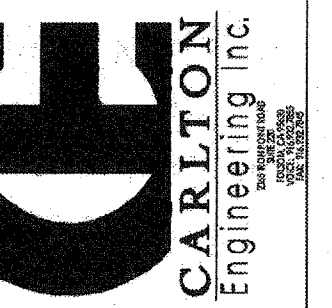
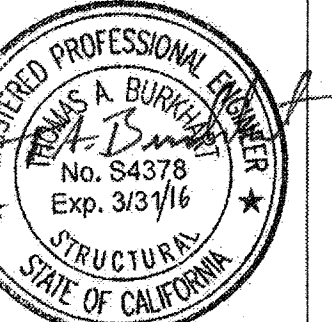
ELECTRICAL CUTOUT IN BEAMS / PURLINS / RIDGES

EC-200

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.

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A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRED.

MISC DESIGN OPTIONS

HIP ROOF (RAM)
PC DRAWINGS

DRAWN BY: JMD
CHECKED BY: CE
POLYGON # 21588

PD9.0