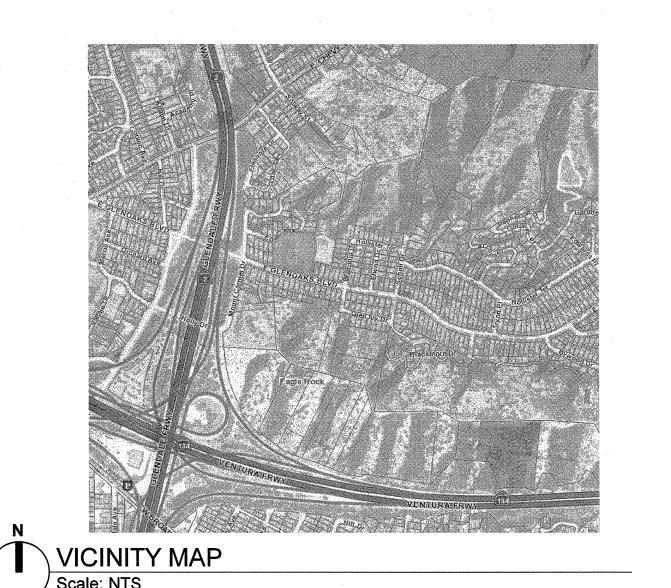
DATE 04-18-17

COVER SHEET



GLENDALE UNIFIED SCHOOL DISTRICT GLENOAKS ES-SHADE STRUCTURE

GLENDALE, CA

OWNER GLENDALE UNIFIED SCHOOL DISTRICT 223 NORTH JACKSON STREET GLENDALE 818-241-3111 **TONY BARRIOS**

NACIARCHITECTURE 837 NORTH SPRING, THIRD FLOOR 323.475.8075 DAWN BRISCO

STRUCTURE



LOCATION MAP

ACCEPTABALE CODES

TITLE 19 CCR, PUBLIC SAFETY, STATE FIRE MARSHALL 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

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

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 IEBC), 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) SEÉ UL STD 1971 FOR "VISUAL DEVICES" 2016 NFPA 80, FIRE DOOR AND OTHER OPENING PROTECTIVES 2006 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

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4/18/2017 10:00:33 AM D:_Revit\GLENOAKS_SHADE-STRUCTURE_CENTRAL-MODEL_brubio.rvt

810

Title: FIRE ENVIRONMINIONAL SPECIALIST

"N" = Not approved (complete Section 8)

"NR" = LFA elects not to review

The state of the s

FLOW FEST IS NOT PERSONED

ADSA

PROJECT INFORMATION

DSA 810 Instructions and DSA Policy 09-01.

LOCAL FIRE AUTHORITY (LFA)

LOCAL FIRE AUTHORITY REVIEW

School District/Owner: Glendale Unified School District

LFA Agency Name: () HY OF GLENDALE LFA Reviewer Name SHA DEMIRSIAN

Review Key: "Y" = Complies with LFA requirements

Print the School District Official's Name:

the requirements of this jurisdiction.

DSA 810 (rev 05-12-14)

DIVISION OF THE STATE ARCHITECT

"NA" = Not applicable to the project

Project Name/School: Glenoaks Elementary School - Shade Structure

I have reviewed and responded to the applicable items for this project as listed below.

Note: Only sign this form when it is imaged onto the site plan. A loose form is not acceptable to DSA.

LFA Reviewer's Signature:

Date:

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

Access roads, fire lane markings, pavers and gate entrances are in accordance with Title

3 Fire hydrant location and distribution complies with the California Fire Code (or see # 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.

The location(s) of the proposed post indicator valve and fire department connection meet

is the project located in a hazard severity zone area? (CBC, Chapter 7A, Section 701A.)

DEPARTMENT OF GENERAL SERVICES

Check type if "Yes": Moderate High Very High WIFA (If one of these boxes is checked, the project design must meet the requirements of Chapter 7A.)

The location(s) of the detector check valve assembly meet the requirements of this jurisdiction.

19, California Code of Regulations and the California Fire Code, Chapter 5.

Project Address: 2015 East Glenoaks Blvd. Glendale, CA 91206

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

Email Spanips AN QGLQUDALECA. GOV Telephone Number: 818-548-3207

1. 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. 2. 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. 3. STAMPED AND SIGNED SITE PLAN ON FILE AT DSA.

4. FIRE FLOW AND HYDRANT LOCATION AND DISTRIBUTION ARE IN COMPLIANCE PER CALIFORNIA FIRE CODE, APPENDIX BB, FIRE FLOW AND APPENDIZ CC, HYDRANT LOCATION, APPENDICES FROM 2016 C.F.C.

5. 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 GIVEN ACCESS TO AND WITHIN THE PROPERTY. THESE NUMBERS SHALL CONTRAST WITH THEIR BACKGROUND. ADDRESS NUMBERS SHALL BE ARABIC NUMERALS OR ALPHABET LETTERS. NUMBERS SHALL BE A MINIMUM OF 6 INCHES (152.4mm) HIGH WITH A MINIMUM STROKE WIDTH OF 0.5 INCH (12.7mm) AND SHALL BE ILLUMINATED IN AN APPROVED MANNER (IF NUMBERS ARE ON THE EXTERIOR). NUMBER HEIGHT AND STROKE WIDTH SHALL BE INCREASED AS NEEDED FOR LEGIBILITY BASED ON VISIBILITY DISTANCE. 6. KNOX BOX: THE MOUNTING HIGH FOR THE KNOX BOX SHALL NOT EXCEED 6' ABOVE THE GROUND LEVEL/FINISHED FLOOR. PROVIDE (3) SETS OF KEYS (WITH PERMANENT ENGRAVED IDENTIFICATION) FOR ALL EXTERIOR DOORS, GATES, FIRE ALARM PANEL, AN OTHER AS DIRECTED BY THE FIRE INSPECTOR. KNOX BOXES SHALL BE PURCHADED PRIOR TO THE BEGINNING OF CONSTRUCTION, AND INSTALLED IN APPROVED LOCATION FOR THE DURATION OF THE CONSTRUCTION.

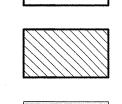
9. SIGNAGE DURING AND AFTER CONSTRUCTION: THE FIRE DEPARTMENT ACCESS SIGNAGE SHALL BE INSTALLED PRIOR TO THE NEW BUILDING CONSTRUCTION COMMENCING TO FACILITATE FIRE DEPARTMENT ACCESS DURING CONSTRUCTION. THIS SIGNAGE SHALL ALSO REMAIN IN PLACE UPON COMPLETION OF CONSTRUCTION AND SHALL BE UPDATED AS NEEDED TO FACILITATE FIRE DEPARTMENTS ACCESS.

7. MANUAL SWINGING GATES SHALL BE OPERABLE BY ONE PERSON. 8. GATE COMPONENTS SHALL BE MAINTAINED IN AN OPERATIVE CONDITION AT ALL THE TIMES AND REPLACED OR REPAIRED WHEN DEFECTIVE.

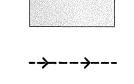
FIRE DEPARTMENT ACCESS LEGEND

(E)BUILDING N.I.C.

NEW SHADE STRUCTURE



FIRE ACCESS ROUTE



ACCESSIBLE PATH OF TRAVEL



NEW KNOX BOX

PROPERTY LINE

GRASS AREA



(E) E.F.H EXISTING FIRE HYDRANT

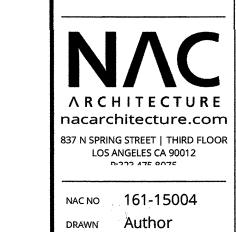
FIRE DEPARTMENT ACCESS TO SITE



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 REQUERIMENT PER TABLE BB 105.1 =1, 500 GPM FIRE FLOW ACTUAL(SEE ATTACHED FIRE FLOW)=

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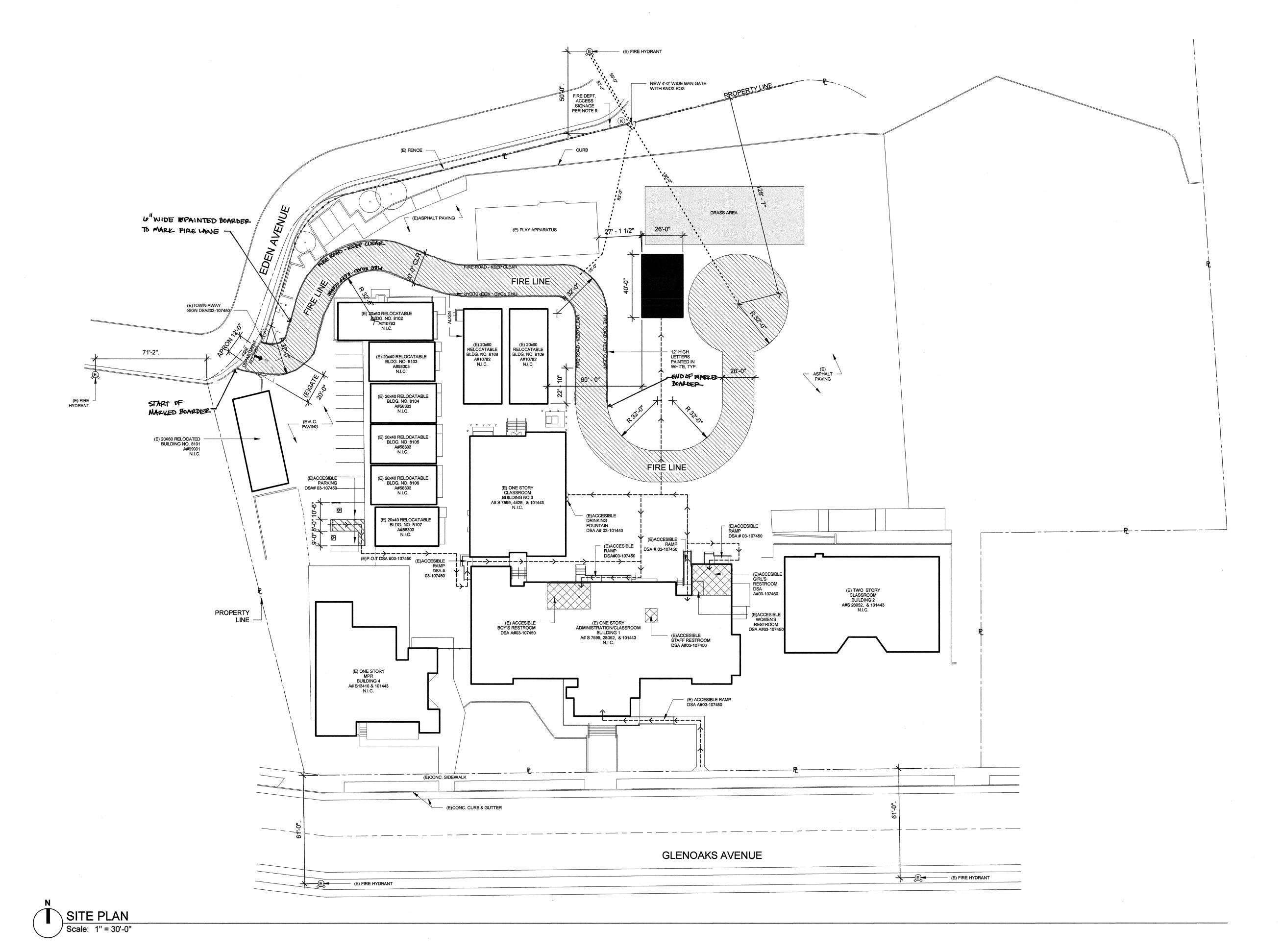
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LENOAKS

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> FIRE ACCESS SITE PLAN



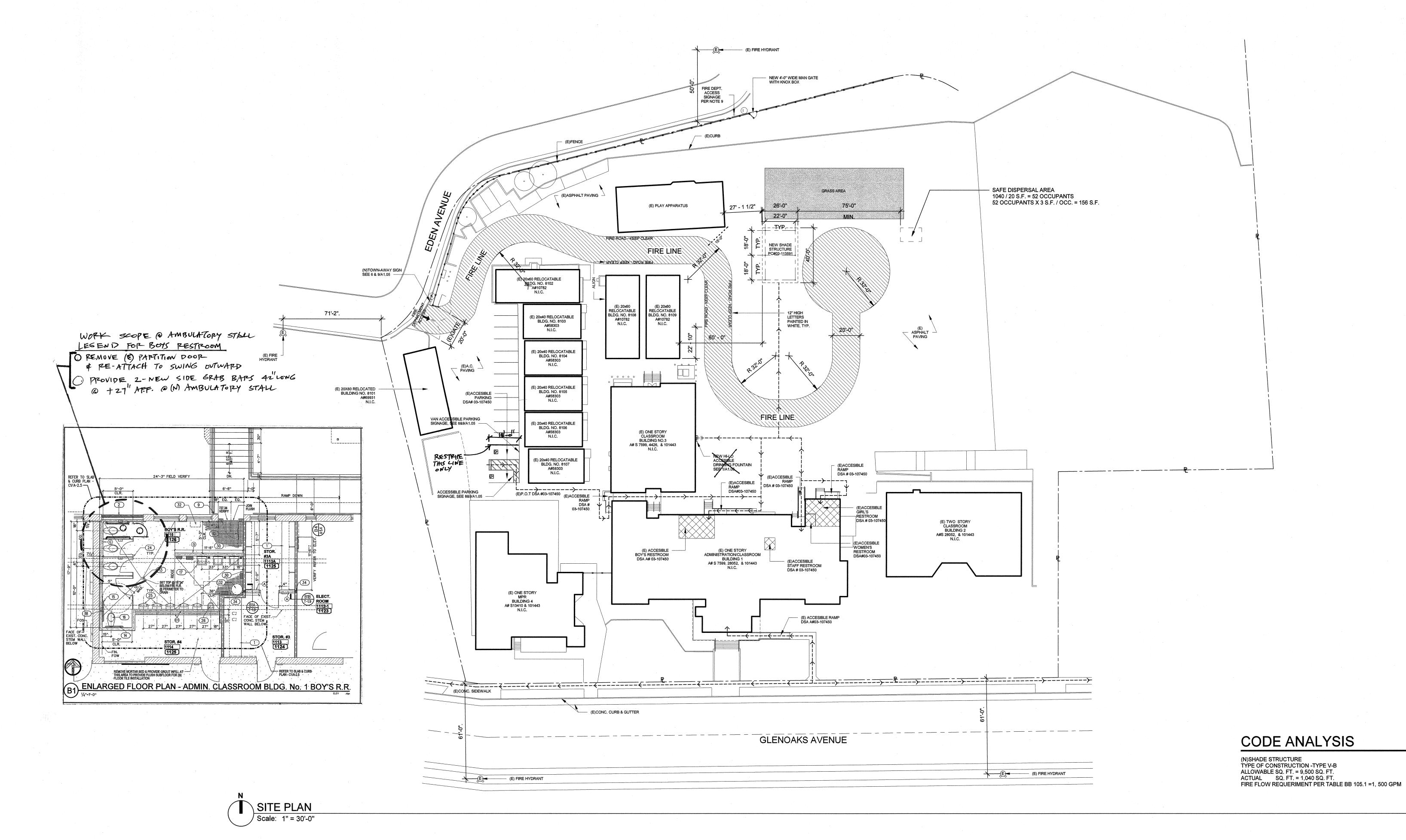
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337 N SPRING STREET | THIRD FLOOR

LOS ANGELES CA 90012 NAC NO 161-15004 DRAWN Author CHECKED Checker

DATE 04-18-17 IDENTIFICATION STAMP

SITE PLAN



9. CRADING PLANS, DRAINAGE IMPROVEMENTS, POAD AND ACCESS PEQUIPENENTS AND ENVIRONMENTAL HEALTH CONSIDERATION SHALL COMPLY WITH AN LOCAL OPEDINANCES

FLOOD ZONE

BASED ON FLOOD INSURANCE RATE MAP DATED SEPT 26, 2008 FLOOD ZONE: X

BASE FLOOD ELEVATION: N/A

- 5. A DSA CEPTIFIED CLASS 2 PROJECT INSPECTOR IS REQUIRED FOR THE PROJECT
- 6. ALL WORK SHALL CONFORM TO 2013 EDITION OF TITLE 24, CALIFORNIA CODE OF REGULATIONS (CCP)
- 7. CHANGE TO THE APPROVED DRAWINGS AND SPECIFICATIONS SHAW BE MADE BY ADDENDA OF CONSTRUCTION CHANGE OPDER (CCD) APPROVED BY DSA, AS PEOULPED BY SECTION 4-338 PART 1, TITLE 24
- 8. A "PSA CEPTIFIED" PROJECT INSPECTOR EMPLOYED BY THE DISTRICT COWNER) AND APPROVED BY DSA SHAN PROVIDE CONTINUOUS INSPECTION OF THE WOPE . THE DUTIES OF THE INSPECTOR ARE DEFINED IN SECTION 4-342, PAPT I TITLE 24 CCR

ACCESSIBILITY NOTES

SITE WALKWAYS SHALL PROVIDE A BARRIER FREE PATH OF TRAVEL IN A WHEELCHAIR. THE PATH OF TRAVEL SHALL BE INCHES IN WIDTH (11B-4035.1 EXCEPTION 3) AND WITH A MAXIMUM IN VERTICAL DIFFERENTIAL LEVELS. CONCRETE FINISH SHALL BE MEDIUM SALTED

2. 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 60" X 60" 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)

3. GATES IN PATH OF TRAVEL SHALL HAVE LEVER HARDWARE

4. 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 FOR ALTERATIONS, ADDITIONS AND STRUCTURAL REPAIRS. AS PART OF THE DESIGN OF THIS PROJECT, THE POT THAT WERE DETERMINED TO BE NONCOMPLIANT 1) HAVE BEN 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

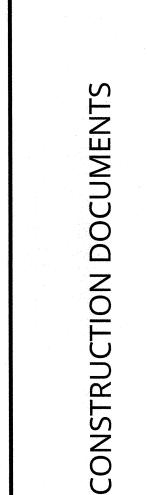
(E)BUILDING N.I.C. NEW SHADE STRUCTURE ----- LIMIT OF WORK -->------ ACCESSIBLE PATH OF TRAVEL PROPERTY LINE

----- LINE OF ROOF/CANOPY ABOVE

(E)ACCESIBLE RESTROOM **NEW KNOX BOX**

DIV. OF THE STATE ARCHITECT 03 118UZU ACMF FLSCH SS ALL Date APR 18 2017

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REVISIONS

IDENTIFICATION STAMP
DIVISION OF STATE ARCHITECT
OFFICE OF REGULATION SERVICE
FILE NO.
APPL NO.
AC___FLS__SS___.
DATE_____.

FILE NO.
APPL NO.

AC___FLS__SS___.

DATE_____

GLENDALE UNIFIED SCHOOL DISTRICT

GLENOAKS ES-SHADE STRUCTURE
2015 EAST GLENOAKS, BLVD. GLENDALE, CA 91206

No. C 21424
Exp. 8/3/1/17

A SULLAND ARCHART

No. C 21424
Exp. 8/3/1/17

A SULLAND ARCHART

OF CALIFORNIA

ARCHITECTURE
nacarchitecture.com
837 N SPRING STREET | THIRD FLOOR
LOS ANGELES CA 90012
P232 475 8075

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

SITE DETAILS

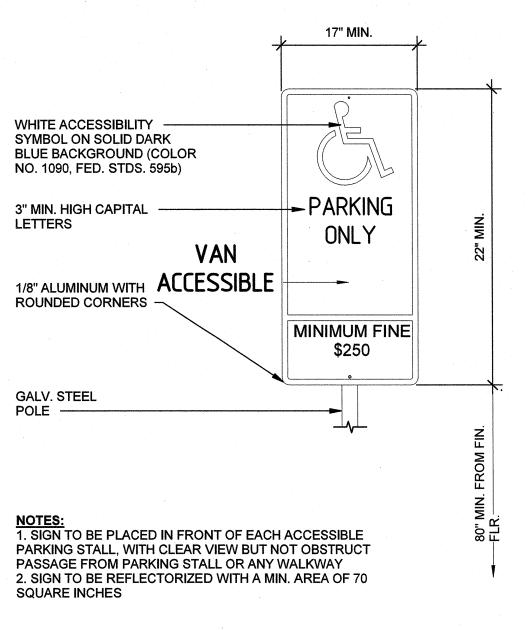
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DIV. OF THE STATE ARCHITECT

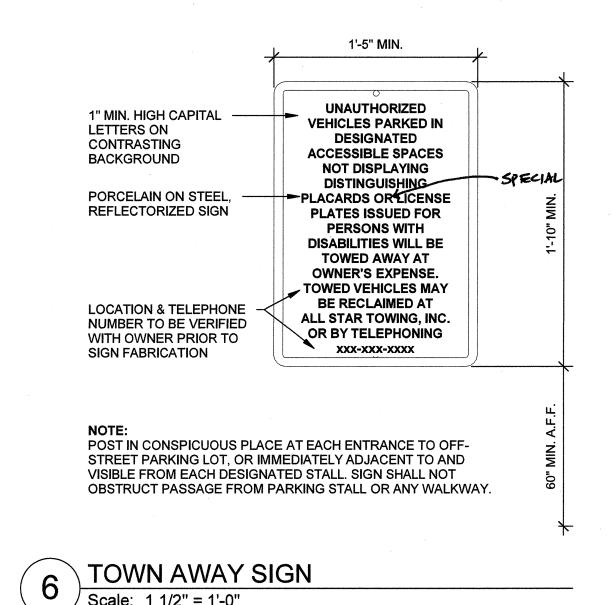
03 118424

ACMF FLS SS ADD Date APR 18 2011

A1.0!



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



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

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

CL CL CL

CL CL

CENTERLINE OF

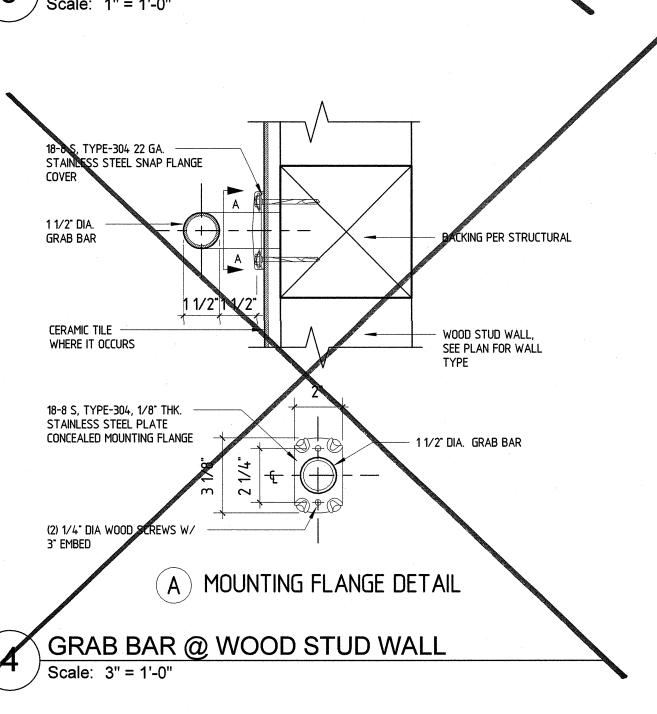
WASTE &
FOUNTAINS MOUNTING
MOUNTING HOLES G PLATE

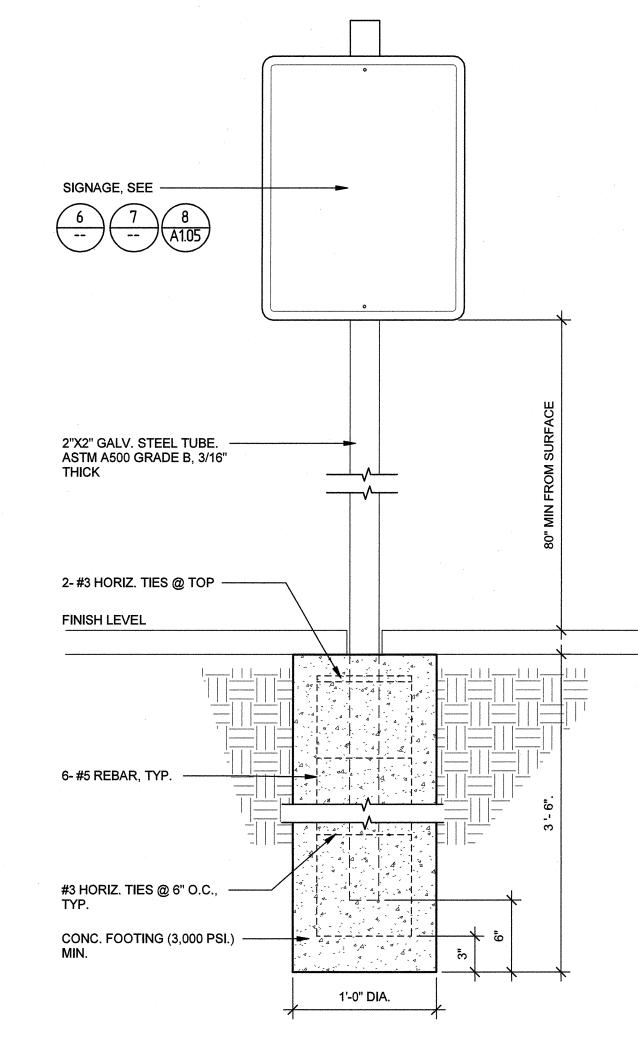
1. INSTALL MOUNTING PLATE BEFORE FINISH WORK
2. MOUNTING PLATE SUPPLIED BY MANUFACTURER.

FINISH FLOOR

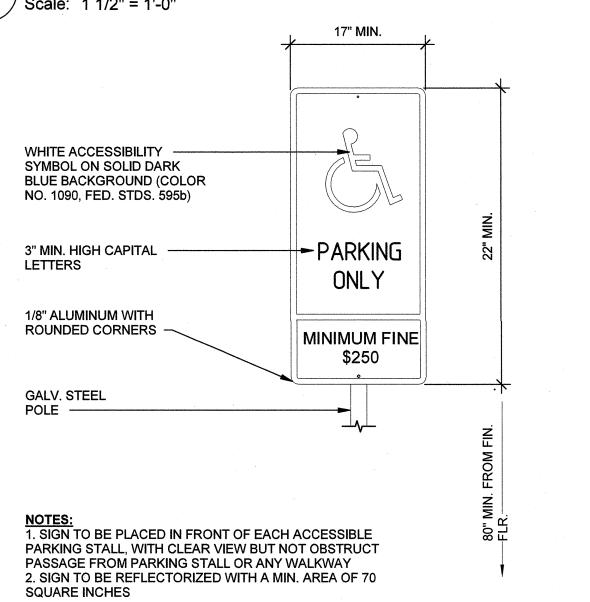
HI-LOW DRINKING FOUNTAIN DETAIL PLATE

Scale: 1" = 1'-0"





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



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

4/18/2017 10:00:32 AM D:_Revit\GLENOAKS_SHADE-STRUCTURE_CENTRAL-MODEL_brubio.rvt



WALL SEE PLAN FOR WALL TYPE

1 1/2" DIA. STAINLESS STEEL PIPE GUARD

2 1/4" DIA "POWERS WEDGE BOLL

SCREW ANCHOR" 1 3/4" EMBEDMENT

PROTECTION RAIL DETAIL

Scale: 1" = 1'-0"

HIGH UNIT -

LOW UNIT

Scale: 1" = 1'-0"

CONC. SLAB -

1'-6"

--- IPS WASTE

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 ANGLÈ OF THE WATER STRÈAM SHALL BE 15 DEGREES MAXIMUM.

SPOUT MUST BE POSITIONED SO THE FLOW OF WATER IS WITHIN 3 INCHES (75MM)

ON AN ACCESSIBLE DRINKING FOUNTAIN WITH A ROUND OR OVAL BOWN THE

OF THE FRONT EDGE OF THE FOUNTAIN

HI-LOW DRINKING FOUNTAIN DETAIL PLAN

Scale: 1" = 1'-0"

HI-LOW DRINKING FOUNTAIN DETAIL SECTION

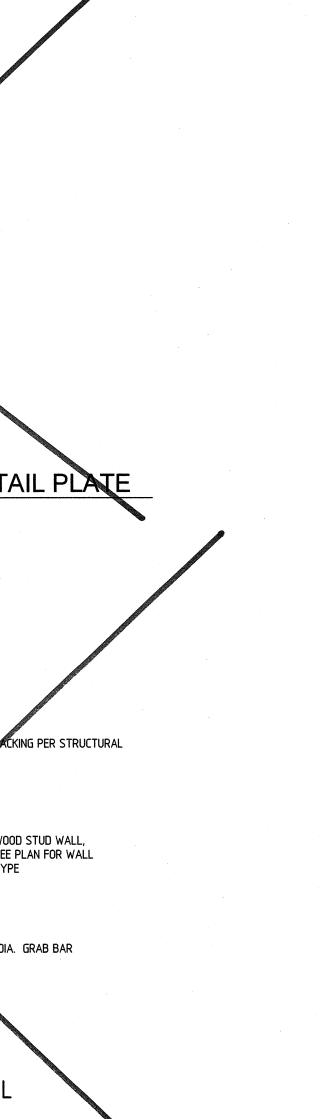
BACKING PER

STRUCTURAL

WOOD STUD WALL SEE PLAN FOR WALL TYPE

BACKING PER STRUCTURAL

--- IPS WASTE



ARCHITECTURAL REQUIREMENTS:

HORIZONTAL OR VERTICAL IRREGULARITIES TYPE(S)

ARCHITECTURAL REQUIREMENTS.							
DESCRIPTION	DESIGN VALUES						
TYPE OF CONSTRUCTION	VB						
OCCUPANCY CLASSIFICATION	A3						
NUMBER OF STORIES	1						
FIRE HAZARD SEVERITY ZONE	VERY HIGH						
FIRE SPRINKLER SYSTEM	NOT BY POLIGON						

1.07

NONE

POLIGON ASSUMES ANY OCCUPANT LOAD CALCULATIONS ARE BASED ON 15 SQ FT/ PERSON. PROJECT ARCHITECT MAY ADJUST OCCUPANT LOAD AS PERMITTLED BY THE BUILDING CDE

RELATED BUILDING CODES AND STANDARDS:

DESIGN SPECTRAL RESPONSE ACCELERATION AT 1 SECOND PERIOD, Sd1

TITLE 24 CODES:

2013 California Administrative Code (CAC)......(Part 1, Title 24, CCR) 2013 California Building Code (CBC), Volumes 1, and 2 (Part 2, Title 24, CCR) (2012 International Building Code with 2013 California amendments .(Part 3, Title 24, CCR) 2013 California Electrical Code (2011 National Electrical Code with 2013 California amendments ..(Part 4, Title 24, CCR) 2013 California Plumbing Code (CPC)(Part 5, Title 24, CCR) (2012 Uniform Plumbing Code with 2013 California amendments) 2013 California Energy Code(Part 6, Title 24, CCR) (Effective July 1, 2014) 2013 California Fire Code (CFC)(Part 9, Title 24, CCR) (2012 International Fire Code with 2010 California Amendments) 2013 California Green Building Standards Code......(Part 11, Title 24, CCR) (Effective January 1, 2014) 2013 California Referenced Standards Code (Part 12, Title 24, CCR) NFPA 13 - 2013

NFPA 72 - 2013

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. THE FLEXIBILITY INCLUDED HEREIN ALLOWS THIS STRUCTURE TO COMPLY WITH A WIDE VARIETY OF PROJECT SITES AND LOADING REQUIREMENTS.

GENERAL:

CONSTRUCTION.

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

STRUCTURAL AND MISCELLANEOUS STEEL:

- ALL STRUCTURAL STEEL SHALL BE DETAILED, FABRICATED AND ERECTED IN ACCORDANCE WITH THE AMERICAN INSTITUTE OF STEEL CONSTRUCTION (AISC) SPECIFIATION MANUAL REFERENCED BY THE LATEST EDITION OF THE CALIFORNIA BUILDING CODE.
- PIPE SECTIONS SHALL CONFORM TO ASTM A53, Fy = 35 ksi, GRADE B OR A501 UNLESS NOTED OTHERWISE.
- STRUCTURAL TUBING (HSS SHAPES) SHALL CONFORM TO ASTM A500, GRADE B (OR HIGHER), Fy = 46 KSI. IF MATERIAL AVAILABILITY IS LIMITED, MEMBER THICKNESSES CAN BE INCREASED BEYOND WHAT IS SHOWN IN THESE DRAWINGS (MAXIMUM INCREASE OF 1/8").
- ALL CHANNELS, ANGLES, AND MISC. STEEL SHALL CONFORM TO ASTM A36, Fy = 36 KSI.
- ALL COLD FORM STEEL SHALL CONFORM TO ASTM A653, CS = TYPE B, Fy = 50 KSI.
- STRUCTURAL STEEL AND DECK SHALL BE IDENTIFIED FOR CONFORMITY PER CBC 2203A.1
- ROOF DECK SHALL HAVE KYNAR 5000 METAL COATING.
- ROOF DECK SHALL CONFORM TO ATSM A792, Fy = 50 KSI.
- 10. MR ROOF SCREWS MEET ASTM A510 WITH A HEAD DIMENSION OF 0.31" (FLAT-TO-FLAT) AND INTEGRAL WASHER DIMENSION OF 0.58" (OUTSIDE DIAMETER).
- SS ROOF SCREWS MEET ASTM A510 WITH A HEAD DIMENSION OF 0.437" (OUTSIDE DIAMÉTER).

WELDING:

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

BOLTING:

- ALL BOLTS SHOWN ON THESE DRAWINGS ARE ASTM A325 HIGH STRENGTH BOLTS (UNO), TYPE 3.
- HIGH STRENGTH BOLTS SHALL BE SAMPLED AND TESTED IN COMPLANCE WITH CBC 2213A.1.
- BEFORE ERECTING THE FRAME, VERIFY ALL BOLTS AND NUTS ARE CLEAN OF DEBRIS AND BURRS INCLUDING THE HARDWARE ALREADY FASTENED INSIDE THE MEMBERS. CHASING SOME OF THE BOLTS AND NUTS MAY BE REQUIRED.
- ANCHOR BOLTS (HEAVY HEX HEAD, ASTM F1554, GRADE 55) SHALL BE HOT DIPPED GALVANIZED PER ASTM F2329. ANCHOR BOLTS MAY BE HEADED OR THREADED WITH A NUT THAT IS PREVENTED FROM ROTATING.
- HIGH STRENGTH NUTS SHALL CONFORM TO ASTM A563.
- HIGH STRENGTH WASHERS SHALL CONFORM TO ASTM F436.
 - THE BOLTING INSTALLATION REQUIREMENTS OUTLINED BELOW ARE CRITICAL TO THE STRUCTURE'S DESIGN AND PERFORMANCE. THE INSTALLER IS REQUIRED TO COORDINATE THIS PHASE OF CONSTRUCTION WITH THE SPECIAL BOLTING INSPECTOR AND THE INSPECTOR OF RECORD PRIOR TO THE ERECTION OF THE FRAME. ALL BOLTS SHALL BE INSTALLED AND INSPECTED PER THE APPLICABLE VERSION OF AISC'S "SPECIFICATION FOR STRUCTURAL JOINTS USING HIGH-STRENGTH BOLTS", CBC 1705A.2.1; AISC 341-10 J7; AISC 360-10 N5.6.
 - PRETENSIONED JOINTS (IDENTIFIED ON THE FRAME CONNECTION DETAILS WITH A "PJ REQUIRED") MUST BE INSTALLED AND INSPECTED TO MEET ONE OF FOLLOWING REQUIREMENTS:
 - 1. TURN-OF-NUT PRETENSIONING
 - 2. CALIBRATED WRENCH PRENTENSIONING
 - 3. DIRECT-TENSION-INDICATOR PRETENSIONING (CONTRACTOR RESPONSIBLE FOR PURCHASE OF REQUIRED WASHERS)
 - B. ALL OTHER JOINTS MUST BE INSTALLED AND INSPECTED TO MEET THE REQUIREMENTS OF SNUG-TIGHTENED
 - JOINTS. NOTE TO INSTALLER AND INSPECTOR(S): THE SNUG-TIGHT CONDITION EXISTS, IN PART, WHEN ALL THE BOLTS IN THE JOINT HAVE BEEN TIGHTENED SUFFICIENTLY TO PREVENT THE REMOVAL OF THE NUTS WITHOUT THE USE OF A WRENCH.

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

FOUNDATIONS:

- ALLOWABLE SOIL PRESSURES ASSUME CLASS 4 SOIL CLASSIFICATION PER CBC TABLE 1806A.
- A GEOTECHNICAL REPORT / LETTER IS REQUIRED AT THE OVER-THE-COUNTER APPOINTMENT FOR EACH PROJECT.
- FILL AND BACKFILL SHALL BE COMPACTED TO 95% OF MAX. DENSITY IN ACCORDANCE WITH ASTM TEST METHOD D1557-70. FLOODING NOT PERMITTED.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL SHORING, ETC. NECCESSARY TO SUPPORT CUT AND/OR FILL BANKS DURING EXCAVATION, AND FORMING AND PLACEMENT OF CONCRETE.

CONCRETE

FRAME WIDTH

TOTAL²

MIX DESIGN REQUIREMENTS: (NORMAL WEIGHT CONCRETE

STRENGTH f'c	W/C RATIO	W/C RATIO	SLUMP	UNIT WEIGHT (NORMAL WEIGHT)
(28 DAYS)	(NON-AIR ENTRAINED)	(AIR ENTRAINED)	(± 1")	
5000 PSI	0.63	0.55	3"	150 PCF

- AGGREGATES SHALL CONFORM TO ASTM C33 WITH PROVEN SHRINKAGE CHARACTERISTICS OF LESS THAN .005. MAX AGGREGATE SIZE = 1".
- CEMENT SHALL CONFORM TO ASTM C150 (TYPE V) UNLESS NOTED OTHERWISE ON THE DRAWINGS.
- CONCRETE SHALL BE MAINTAINED IN A MOIST CONDITION FOR A MINIMUM OF FIVE DAYS AFTER PLACEMENT. ALTERNATE METHODS WILL BE APPROVED IF SATISFACTORY PERFORMANCE CAN BE ASSURED.

OTHER

ADD ROOF DECK AND COLLATERAL LOADS

- CONCRETE SHALL NOT FREE FALL MORE THAN FIVE FEET.
- CONCRETE SHALL BE PROPORTIONED PER ACI 318-11 5.2.
- CONCRETE SHALL BE TESTED PER CBC 1905A.1.2, 1913A.1, 1705A.3, AND ACI 318-11 5.6.

REINFORCING STEEL:

- REINFORCING STEEL SHALL BE DEFORMED STEEL CONFORMING TO THE REQUIREMENTS OF ASTM A615, (DEFORMATIONS SHALL BE IN ACCORDANCE WITH ASTM A305) AS FOLLOWS: GR 60: (#4 BARS AND LARGER) GR 40: (#3 BARS)
- DETAILING, FABRICATION, AND ERECTION OF REINFORCING BARS SHALL CONFORM THE ACI "MANUAL OF STANDARD PRACTICE FOR DETAILING REINFORCING CONCRETE STRUCTURES."
- MIN. COVER FOR CAST-IN-PLACE CONCRETE SHALL BE AS FOLLOWS:
 - CAST AGAINST EARTH. . CAST AGAINST FORM BELOW GRADE... FORMED SLABS (#11 BAR & SMALLER)...
 - SLABS ON GRADE (FROM TOP OF SLAB). COLUMNS AND BEAMS (MAIN BARS)... F. WALLS EXPOSED TO WEATHER (#6-#18 BARS)... (#5 & SMALLER)...... 11/2"

G. NOT EXPOSED TO WEATHER (#11 & SMALLER)...... 3/4"

- BARS SHALL BE CLEAN OF RUST, GREASE OR OTHER MATERIAL LIKELY TO IMPAIR BOND. BENDS SHALL BE MADE COLD.
- REINFORCING SHALL BE LAP SPLICED 45 BAR DIA. MINIMUM IN CONCRETE AND MUST COMPLY WITH ACI 318-11.
- PRIOR TO PLACING OF CONCRETE, REINFORCING STEEL AND EMBEDDED ITEMS SHALL BE WELL SECURED IN POSITION. WELDING OF REINFORCING IS NOT ALLOWED
- REINFORCING STEEL SHALL BE SAMPLED AND TESTED PER CBC 1913A.2.

POWDER COATED AND EPOXY PRIMED FINISH:

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

ABBREVIATIONS:

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

MISCELLANEOUS

SHEET INDEX

X 10'-0"

YES

MR SS

PD1.0 | PD1.0

PD1.1 | PD1.1

PD2.0 | PD2.0 |

PD4.0 PD4.0

PD5.0 PD5.0

PD9.0 PD9.0

PD6.0 - PD6.1

CLEAR HEIGH

GUTTERS

ROOF DECK

SELECT ON

GENERAL NOTES

FOUNDATION PLAN

SECTION DETAILS

PLATE DETAILS

ARCHITECTURAL VIEWS

MISC DESIGN OPTIONS

ROOF CONNECTION DETAILS

FRAME CONNECTION DETAILS

ELECTRICAL CUTOU

DESIGN OPTIONS

M NO

ox NO

MR SS

PD1.1 PD1.1

PD4.1 PD4.1

PD5.1 PD5.1

PD6.2 - PD6.3

PD9.0 PD9.0

PD2.1

PD1.0

PD2.1

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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 POLIGON ENGINEERING DEPARTMENT IS AVAILABLE TO HELP YOU COMPLETE THESE STEPS (616-399-1963).

- STEP 1: SELECT FRAME DIMENSIONS FOR YOUR PROJECT - STRUCTURES UP TO 20' WIDE USE THE "RAM 20" BASE FRAME
- STRUCTURES UP TO 30' WIDE USE THE "RAM 30" BASE FRAME
- THE 20' AND 30' WIDTHS ARE SUGGESTED BECAUSE THEY ARE THE MOST ECONOMICAL
- MAXIMUM WIDTH IS 30'; (SEE 'ARCHITECTURAL VIEWS' SHEET FOR REFERENCE)
- THE 44', 64', AND 84', LENGTHS ARE SUGGESTED BECAUSE THEY ARE THE MOST COMMON (20' BAYS ARE MOST ECONOMICAL) - FRAME WIDTHS AND LENGTHS ASSUME 2' OVERHANGS (UNO BY ARCHITECT - 2' MAX DIMENSION)

STEP 2: SELECT ROOF DECK FOR YOUR PROJECT

- "MR" REPRESENTS MCELROYMETAL "MULTI-RIB" ROOF DECK - "SS" REPRESENTS MCELROYMETAL "MEDALLION-LOK" 16" STANDING SEAM ROOF DECK

STEP 3: IDENTIFY THE SS ACCELERATION (g) FOR YOUR PROJECT - SS VALUE DETERMINES THE REQUIRED SEISMIC DESIGN FORCES

- SS VALUE DEPENDS ON THE PROJECT'S GEOGRAPHICAL LOCATION (VALUE'S RANGE FROM 0.00 TO 3.73) - FIND SS VALUES FOR YOUR PROJECT ON THE USGS WEBSITE (SEARCH INTERNET FOR "USGS SEISMIC DESIGN MAPS")

- THIS PC IS NOT APPROVED FOR SS VALUES GREATER THAN 3.00 (CONTACT POLIGON FOR ADDITIONAL OPTIONS)

- STEP 4: IDENTIFY THE SS REGION FOR YOUR PROJECT - THE REGIONS ARE DEPENDANT ON THE SS VALUE DETERMINED IN STEP 3
- REFERENCE DSA BU 14-01 FOR A MAP OF VARIOUS SS REGIONS - THE SS REGION DICTATES THE MAXIMUM DEAD LOAD PERMITTED ON THE FRAME (SEE TABLE TO THE RIGHT)

STEP 5: IDENTIFY THE ROOF DEAD LOAD FOR YOUR PROJECT

- THE ROOF DECK DEAD LOAD WILL ALWAYS BE INCLUDED
- THE COLLATERAL LOAD REPRESENTS ADDITIONAL LOAD THAT CAN BE SUPPORTED BY THE FRAME - BE SURE THE TOTAL ROOF DEAD LOAD FOR YOUR PROJECT IS LESS THAN OR EQUAL TO THE MAX DEAD LOAD SHOWN IN STEP 4

STEP 6: IDENTIFY THE FOUNDATION REQUIREMENTS FOR YOUR PROJECT

- IDENTIFY A SINGLE LOAD SCENARIO - E.G. A PROJECT IN THE WHITE SS REGION WITH A 4 PSF ROOF DEAD LOAD IS LOAD SCENARIO 2

- REFERENCE THE SS REGION (STEP 4) AND THE TOTAL ROOF DEAD (STEP 5)

- LOAD SCENARIOS HAVE NO IMPACT ON FRAME DESIGN OR COST (BUT DO AFFECT FOUNDATION SIZE) - SELECT EITHER SPREAD PAD OR DRILLED PIER FOUNDATION
- FOUNDATION TYPE IMPACTS STEEL FABRICATION (COLUMN LENGTH) AND CONSTRUCTION (TIMING, SEQUENCE, COST, ETC.) - POLIGON CAN REVIEW THE SITE-SPECIFIC SOILS REPORT TO EVALUATE THE POSSIBILITY OF SMALLER FOUNDATIONS
- 30' □ **20'** □ 26'-0" (30' MAX) FRAME LENGTH □ 44' □ 64' □ 84' □ 40'-0" (NOMAX) **ROOF DECK** ROOF DECK TYPE X MR □ SS Ss ACCELERATION (g) 2.822 g Ss REGIONS Ss REGIONS MAX DEAD LOAD 0.000 < Ss <= 1.875 5 PSF ¥ BLUE 1.875 < Ss <= 2.500 3.5 PSF 2.500 < Ss <= 2.750 2 PSF B YELLOW 2.750 < Ss <= 3.000 2 PSF REFERENCE DSA BU 14-01 FOR A MAP OF VARIOUS SS REGIONS TOTAL ROOF DEAD LOAD **EXAMPLES** DEAD LOAD MR = 1.2 PSF; SS = 1.8 PSF (SEE STEP 2) ROOF DECK COLLATERAL IGHTING, FIRE SUPPRESSION, PV PANELS, ETC. PSF

FRAME DIMENSIONS

SUGGESTEE

		FOUNDATION	REQUIREMENTS		
	Ss REGION	DEAD LOAD (DL)	LOAD SCENARIO	SPREAD PAD	DRILLED PIER
94	WHITE	DL <= 2 PSF	□ LOAD SCENARIO 1		· ·
STEP	. YY (1) I II::	2 PSF < DL <= 5 PSF	□ LOAD SCENARIO 2	,	
	BLUE	DL <= 3.5 PSF	N LOAD SCENARIO 3		×
	GREEN	DL <= 2 PSF	□ LOAD SCENARIO 4	•	
	YELLOW	DL <= 2 PSF	□ LOAD SCENARIO 4		

1.2 PSF

MARK UP PC DRAWINGS WITH SIZE AND LOCATION OF CUTOUTS BEFORE SUBMITTING TO DSA STEP 8: 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 9: INCLUDE APPLICABLE SHEETS WITH YOUR DSA SUBMITTAL - EXCLUDE MISC DESIGN OPTIONS' SHEET FOR PROJECTS WITHOUT ELECTRICAL CUTOUTS OR GUTTERS STEP 10: IDENTIFY PROJECT NAME AND SCHOOL DISTRICT PROJECT NAME:

- MAXIMUM CLEAR HEIGHT IS 10'-0"; (SEE 'ARCHITECTURAL VIEWS' SHEET FOR REFERENCE)

SCHOOL DISTRICT: GLENDALE UNIFIED SCHOOL DISTRICT STATEMENT OF GENERAL CONFORMANCE FOR ARCHITECTS/ENGINEERS WHO UTILIZE PLANS, INCLUDING BUT NOT LIMITED TO SHOP DRAWINGS, PREPARED BY OTHER LICESNSED DESIGN PROFESSIONALS AND/OR CONSULTANTS (APPLICATION NO. THE DRAWINGS OR SHEETS LISTED ON THE COVER OR ASSOCIATED WITH PC #02-113591 THIS DRAWING, PAGE OF SPECIFICATIONS/CALCULATIONS

GLENOAKS ES - SHADE STRUCTURE

STEP 7: SELECT MISCELLANEOUS OPTIONS FOR YOUR PROJECT

THE STATEMENT OF GENERAL CONFORMANCE "SHALL NOT BE CONSTRUED AS RELIEVING ME OF MY RIGHTS, DUTIES, AND RESPONSIBILITIES UNDER SECTIONS 17302 AND 81138 OF THE EDUCATION CODE AND SECTIONS 4-336, 4-341, AND 4-344" OF TITLE 24, PART 1 (TITLE 24, PART 1, SECTION 4-317(b)) ALL DRAWINGS OR SHEETS LISTED ON THE COVER OR INDEX
SHEET
THIS DRAWING OR PAGE ☑ IS/ARE IN GENERAL CONFORMANCE WITH THE PROJECT DESIGN, AND □ IS/ARE IN GENERAL CONFORMANCE WITH THE PROJECT DESIGN, AND HAS/HAVE BEEN COORDINATED WITH THE PROJECT PLANS AND SPECIFICATIONS.

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

> IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT 03 118020

PD7.0 | PD7.0 | PD7.1 | PD7.1

PD8.0 | PD8.1 | PD8.0 | PD8.1

3: G	
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ENCY SHALL BE SELECTED BY THE SCHOOL DISTRICT AND APPROVED BY DSA AND THE ARCHITECT OF RECORD.

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.

ON APPROVED PC DRAWINGS, THE STATEMENT OF STRUCTURAL TESTS AND SPECIAL INSPECTIONS (FORM DSA-103) BELOW<u>IS ONLY AN EXAMPLE.</u>
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.



Special Inspections - 2013 CBC

School Name EXAMPLE - REMOVE ON SITE-SPECIFIC PROJECTS IMPORTANT: This form is only a summary list of structural tests and special inspections INSTRUCTIONS: Click a plus sign (+) before any category or subcategory to reveal additional required for the project. The actual tests and inspections must be performed as detailed tests and special inspections. An "X" before a listed test or inspection indicates it is a 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 required, depending on the scope of the construction and other issues. A shaded box can be listed on this form such as structural wood framing, high-load wood diaphragms, coldformed steel framing, anchorage of non-structural components, etc., per Title 24, Part 2, heading indicates that it can be collapsed. However, any selections you may have made will be NOTE: This form is also available for projects submitted for review under the 2007 and

mandatory requirement. A shaded box indicates a test or special inspection that may be clicked indicating your selection of that test. Note: A minus (-) on a category or subcategory cleared. Click on the "COMPILE" button to show only the tests finally selected. For more information on use of this form, see DSA-103.INSTR.

District EXAMPLE - REMOVE ON SITE-SPECIFIC PROJECTS

					uilding Code (CBC) unless otherwise noted.
/	RECUIF	TEST OR SPECIAL INSPECTION	TIPE	PER BY	CODE REFERENCE AND NOTES
-	SC	DILS .			
		1. GENERAL:	Table 1705A	.6	
		Verify that: • site has been prepared properly prior to placement of controlled fill and/or excavations for foundations, • foundation excavations are extended to proper depth and have reached proper material, and • materials below footings are adequate to achieve the design bearing capacity.	Periodic	GE*	* By geotechnical engineer or his or her qualified representative.
		4. CAST-IN-PLACE DEEP FOUNDATIONS	DIERS).	Table 1	705 / 37
	a.	Inspect drilling operations and maintain complete and accurate		GE'	
<u> </u>		records for each pier.	Continuous		* By geotechnical engineer or his or her qualified representative.
<u> </u>		Verify locations of piers.	Continuous	PI	
ζ	C.	Confirm pier diameters, plumbness, bell diameters (if applicable), lengths, and embedment into bedrock (if applicable). Record concrete or grout volumes.	Continuous	GE*	* By geotechnical engineer or his or her qualified representative.
ζ .	е.	Concrete piers.	Provide tests ar	nd inspectio	ons per CONCRETE section below.
	CC	ONCRETE	Table 1705A.3		
		7. CAST IN PLACE CONCRETE			
<u> </u>	L	Material Verification and Testing:			
ζ	a.		Periodic	SI & PI*	* To be performed by batch-plant special inspector and project inspector.
(b.	Test reinforcing steel.	Test	Lab	1913A.2 (1913.2.6*). ASTM A370. DSA IR 17-10
7	c.	Perform slump, temperature, and (where required)	Test	Lab	ASTM C172, ASTM C31.
ζ		air content tests.			
		Test concrete (compression).	Test	Lab	ACI 318 Section 5.6 and 1905A.1.2 (1913.3.1*). ASTM C39.
(g.	Inspect placement of formwork, reinforcing steel, embedded items and concrete. Inspect curing and form removal.	Continuous	Pľ	* May be performed by a special inspector when specifically approved by DSA.
<u> </u>		ASONRY TEEL	Table 1705A.2	ĺ	SCE 5-11 Table 1.19.3 FOR STRUCTURAL PURPOSES
-	St	TEEL 17. STRUCTURAL STEEL AND COLD-FOR Material Verification: Verify that all materials are appropriately marked and that:	Table 1705A.2	ĺ	FOR STRUCTURAL PURPOSES
•	St	TEEL 17. STRUCTURAL STEEL AND COLD-FOR Material Verification:	Table 1705A.2	ĺ	FOR STRUCTURAL PURPOSES
· ·	S1	TEEL 17. STRUCTURAL STEEL AND COLD-FOR Material Verification: Verify that all materials are appropriately marked and that: • Mill certificates indicate material properties that comply with requirements,	Table 1705A.2 MED STEEL	ĺ	FOR STRUCTURAL PURPOSES * By special inspector when performed off-site; by project inspector for steel shipped directly to the steel shipped directly to th
.	81 a. b.	TEEL 17. STRUCTURAL STEEL AND COLD-FOR Material Verification: Verify that all materials are appropriately marked and that: • Mill certificates indicate material properties that comply with requirements, • Material sizes, types and grades comply with requirements.	Table 1705A.2 MED STEEL Periodic	.1 USED	FOR STRUCTURAL PURPOSES * By special inspector when performed off-site; by project inspector for steel shipped directly project site without welding or fabrication.
.	8. b.	TEEL 17. STRUCTURAL STEEL AND COLD-FOR Material Verification: Verify that all materials are appropriately marked and that: • Mill certificates indicate material properties that comply with requirements, • Material sizes, types and grades comply with requirements. Test unidentified materials Examine seam welds of structural tubes and pipes Inspection:	Table 1705A.2 MED STEEL Periodic Test	.1 _ USED	FOR STRUCTURAL PURPOSES * By special inspector when performed off-site; by project inspector for steel shipped directly project site without welding or fabrication. 2203A.1 (2203.1*). ASTM A370.
\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	8. b. c.	TEEL 17. STRUCTURAL STEEL AND COLD-FOR Material Verification: Verify that all materials are appropriately marked and that: • Mill certificates indicate material properties that comply with requirements, • Material sizes, types and grades comply with requirements. Test unidentified materials Examine seam welds of structural tubes and pipes Inspection: Verify member locations, bracing and all details constructed in the field.	Table 1705A.2 MED STEEL Periodic Test	.1 _ USED	* By special inspector when performed off-site; by project inspector for steel shipped directly project site without welding or fabrication. 2203A.1 (2203.1*). ASTM A370.
\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	8. b. c.	TEEL 17. STRUCTURAL STEEL AND COLD-FORM Material Verification: Verify that all materials are appropriately marked and that: • Mill certificates indicate material properties that comply with requirements, • Material sizes, types and grades comply with requirements. Test unidentified materials Examine seam welds of structural tubes and pipes Inspection: Verify member locations, bracing and all details constructed in	Table 1705A.2 MED STEEL Periodic Test Periodic	.1 USED Lab SI*	* By special inspector when performed off-site; by project inspector for steel shipped directly project site without welding or fabrication. 2203A.1 (2203.1*). ASTM A370.
\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	8. b. c.	TEEL 17. STRUCTURAL STEEL AND COLD-FOR Material Verification: Verify that all materials are appropriately marked and that: • Mill certificates indicate material properties that comply with requirements, • Material sizes, types and grades comply with requirements. Test unidentified materials Examine seam welds of structural tubes and pipes Inspection: Verify member locations, bracing and all details constructed in the field. Verify stiffener locations, connection tab locations and all	Periodic Test Periodic Continuous	.1 USED Lab SI*	* By special inspector when performed off-site; by project inspector for steel shipped directly project site without welding or fabrication. 2203A.1 (2203.1*). ASTM A370.
\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	8. b. c.	TEEL 17. STRUCTURAL STEEL AND COLD-FORM Material Verification: Verify that all materials are appropriately marked and that: Mill certificates indicate material properties that comply with requirements, Material sizes, types and grades comply with requirements. Test unidentified materials Examine seam welds of structural tubes and pipes Inspection: Verify member locations, bracing and all details constructed in the field. Verify stiffener locations, connection tab locations and all construction details fabricated in the shop. 18. HIGH STRENGTH BOLTS: Material Verification of High-Strength Bolts, Nuts, and Verification	Table 1705A.2 MED STEEL Periodic Test Periodic Continuous Periodic	.1 USED Lab SI*	* By special inspector when performed off-site; by project inspector for steel shipped directly project site without welding or fabrication. 2203A.1 (2203.1*). ASTM A370.
- -	8. b. c.	TEEL 17. STRUCTURAL STEEL AND COLD-FORM Material Verification: Verify that all materials are appropriately marked and that: Mill certificates indicate material properties that comply with requirements, Material sizes, types and grades comply with requirements. Test unidentified materials Examine seam welds of structural tubes and pipes Inspection: Verify member locations, bracing and all details constructed in the field. Verify stiffener locations, connection tab locations and all construction details fabricated in the shop. 18. HIGH STRENGTH BOLTS: Material Verification of High-Strength Bolts, Nuts, and Verify identification markings and manufacturer's certificates of compliance conform to ASTM standards specified in the DSA	Table 1705A.2 MED STEEL Periodic Test Periodic Continuous Periodic	.1 USED Lab SI*	* By special inspector when performed off-site; by project inspector for steel shipped directly project site without welding or fabrication. 2203A.1 (2203.1*). ASTM A370.
	b. c.	TEEL 17. STRUCTURAL STEEL AND COLD-FORM Material Verification: Verify that all materials are appropriately marked and that: Mill certificates indicate material properties that comply with requirements, Material sizes, types and grades comply with requirements. Test unidentified materials Examine seam welds of structural tubes and pipes Inspection: Verify member locations, bracing and all details constructed in the field. Verify stiffener locations, connection tab locations and all construction details fabricated in the shop. 18. HIGH STRENGTH BOLTS: Material Verification of High-Strength Bolts, Nuts, and Verify identification markings and manufacturer's certificates of compliance conform to ASTM standards specified in the DSA approved documents. Test high-strength bolts, nuts and washers.	Table 1705A.2. MED STEEL Periodic Test Periodic Continuous Periodic	USED Lab SI*	* By special inspector when performed off-site; by project inspector for steel shipped directly project site without welding or fabrication. 2203A.1 (2203.1*). ASTM A370. * DSA IR 17-3.
- C	b. c. d. e. b.	TEEL 17. STRUCTURAL STEEL AND COLD-FORM Material Verification: Verify that all materials are appropriately marked and that: • Mill certificates indicate material properties that comply with requirements, • Material sizes, types and grades comply with requirements. Test unidentified materials Examine seam welds of structural tubes and pipes Inspection: Verify member locations, bracing and all details constructed in the field. Verify stiffener locations, connection tab locations and all construction details fabricated in the shop. 18. HIGH STRENGTH BOLTS: Material Verification of High-Strength Bolts, Nuts, and Verify identification markings and manufacturer's certificates of compliance conform to ASTM standards specified in the DSA approved documents. Test high-strength bolts, nuts and washers. Inspection of High-Strength Bolt Installation:	Table 1705A.2. MED STEEL Periodic Test Periodic Continuous Periodic Vashers: Periodic	.1 _USEDLab _SI* _PI _SI _SI _Lab	* By special inspector when performed off-site; by project inspector for steel shipped directly project site without welding or fabrication. 2203A.1 (2203.1*). ASTM A370. * DSA IR 17-3. DSA IR 17-9 2213A.1 (2212.6.1*). ASTM F606, A370. DSA IR 17-8
	b. c. d. e. b.	TEEL 17. STRUCTURAL STEEL AND COLD-FORM Material Verification: Verify that all materials are appropriately marked and that: • Mill certificates indicate material properties that comply with requirements, • Material sizes, types and grades comply with requirements. Test unidentified materials Examine seam welds of structural tubes and pipes Inspection: Verify member locations, bracing and all details constructed in the field. Verify stiffener locations, connection tab locations and all construction details fabricated in the shop. 18. HIGH STRENGTH BOLTS: Material Verification of High-Strength Bolts, Nuts, and Verify identification markings and manufacturer's certificates of compliance conform to ASTM standards specified in the DSA approved documents. Test high-strength bolts, nuts and washers. Inspection of High-Strength Bolt Installation: Slip-critical connections.	Table 1705A.2. MED STEEL Periodic Test Periodic Continuous Periodic Vashers: Periodic	.1 _USED Lab SI* PI SI	* By special inspector when performed off-site; by project inspector for steel shipped directly project site without welding or fabrication. 2203A.1 (2203.1*). ASTM A370. * DSA IR 17-3. DSA IR 17-9 2213A.1 (2212.6.1*). ASTM F606, A370. DSA IR 17-8 * "Continuous" or "Periodic" depends on the tightening method used, DSA IR 17-9 and 1705A.
- C	a. b. c. d. a. b.	TEEL 17. STRUCTURAL STEEL AND COLD-FOR Material Verification: Verify that all materials are appropriately marked and that: • Mill certificates indicate material properties that comply with requirements, • Material sizes, types and grades comply with requirements. Test unidentified materials Examine seam welds of structural tubes and pipes Inspection: Verify member locations, bracing and all details constructed in the field. Verify stiffener locations, connection tab locations and all construction details fabricated in the shop. 18. HIGH STRENGTH BOLTS: Material Verification of High-Strength Bolts, Nuts, and Verify identification markings and manufacturer's certificates of compliance conform to ASTM standards specified in the DSA approved documents. Test high-strength bolts, nuts and washers. Inspection of High-Strength Bolt Installation: Slip-critical connections. 19. WELDING: Verification of Materials, Equipment, Welders, etc:	Table 1705A.2. MED STEEL Periodic Test Periodic Continuous Periodic Vashers: Periodic	.1 _USEDLab _SI* _PI _SI _SI _Lab	* By special inspector when performed off-site; by project inspector for steel shipped directly project site without welding or fabrication. 2203A.1 (2203.1*). ASTM A370. * DSA IR 17-3. DSA IR 17-9 2213A.1 (2212.6.1*). ASTM F606, A370. DSA IR 17-8
	b. c. d. e. d.	TEEL 17. STRUCTURAL STEEL AND COLD-FORM Material Verification: Verify that all materials are appropriately marked and that: • Mill certificates indicate material properties that comply with requirements, • Material sizes, types and grades comply with requirements. Test unidentified materials Examine seam welds of structural tubes and pipes Inspection: Verify member locations, bracing and all details constructed in the field. Verify stiffener locations, connection tab locations and all construction details fabricated in the shop. 18. HIGH STRENGTH BOLTS: Material Verification of High-Strength Bolts, Nuts, and Verify identification markings and manufacturer's certificates of compliance conform to ASTM standards specified in the DSA approved documents. Test high-strength bolts, nuts and washers. Inspection of High-Strength Bolt Installation: Slip-critical connections. 19. WELDING: Verify weld filler material identification markings per AWS designation listed on the DSA approved documents and the WPS.	Table 1705A.2. MED STEEL Periodic Test Periodic Continuous Periodic Vashers: Periodic	.1 _USEDLab _SI* _PI _SI _SI _Lab	* By special inspector when performed off-site; by project inspector for steel shipped directly project site without welding or fabrication. 2203A.1 (2203.1*). ASTM A370. * DSA IR 17-3. DSA IR 17-9 2213A.1 (2212.6.1*). ASTM F606, A370. DSA IR 17-8 * "Continuous" or "Periodic" depends on the tightening method used, DSA IR 17-9 and 1705A.
\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	a. b. c. d. a. b.	TEEL 17. STRUCTURAL STEEL AND COLD-FORM Material Verification: Verify that all materials are appropriately marked and that: · Mill certificates indicate material properties that comply with requirements, · Material sizes, types and grades comply with requirements. Test unidentified materials Examine seam welds of structural tubes and pipes Inspection: Verify member locations, bracing and all details constructed in the field. Verify stiffener locations, connection tab locations and all construction details fabricated in the shop. 18. HIGH STRENGTH BOLTS: Material Verification of High-Strength Bolts, Nuts, and Verify identification markings and manufacturer's certificates of compliance conform to ASTM standards specified in the DSA approved documents. Test high-strength bolts, nuts and washers. Inspection of High-Strength Bolt Installation: Slip-critical connections. 19. WELDING: Verify weld filler material identification markings per AWS designation listed on the DSA approved documents and the WPS. Verify weld filler material manufacturer's certificate of compliance.	Periodic Test Periodic Continuous Periodic Periodic Test Periodic Test Periodic	Lab SI SI SI SI SI SI	* By special inspector when performed off-site; by project inspector for steel shipped directly to project site without welding or fabrication. 2203A.1 (2203.1*). ASTM A370. * DSA IR 17-3. DSA IR 17-9 2213A.1 (2212.6.1*). ASTM F606, A370. DSA IR 17-8 * "Continuous" or "Periodic" depends on the tightening method used, DSA IR 17-9 and 1705A. DSA IR 17-3, AWS D1.1 and AWS D1.8 (AWS D1.3 for cold formed steel).
	a. b. c. d. a. b.	TEEL 17. STRUCTURAL STEEL AND COLD-FORM Material Verification: Verify that all materials are appropriately marked and that: · Mill certificates indicate material properties that comply with requirements, · Material sizes, types and grades comply with requirements. Test unidentified materials Examine seam welds of structural tubes and pipes Inspection: Verify member locations, bracing and all details constructed in the field. Verify stiffener locations, connection tab locations and all construction details fabricated in the shop. 18. HIGH STRENGTH BOLTS: Material Verification of High-Strength Bolts, Nuts, and Verify identification markings and manufacturer's certificates of compliance conform to ASTM standards specified in the DSA approved documents. Test high-strength bolts, nuts and washers. Inspection of High-Strength Bolt Installation: Slip-critical connections. 19. WELDING: Verify weld filler material identification markings per AWS designation listed on the DSA approved documents and the WPS. Verify weld filler material manufacturer's certificate of	Periodic Continuous Periodic Vashers: Periodic Periodic Periodic	Lab SI SI SI SI	* By special inspector when performed off-site; by project inspector for steel shipped directly to project site without welding or fabrication. 2203A.1 (2203.1*). ASTM A370. * DSA IR 17-3. DSA IR 17-9 2213A.1 (2212.6.1*). ASTM F606, A370. DSA IR 17-8 * "Continuous" or "Periodic" depends on the tightening method used, DSA IR 17-9 and 1705A.
	a. b. c. d. a. b. c.	TEEL 17. STRUCTURAL STEEL AND COLD-FOR Material Verification: Verify that all materials are appropriately marked and that: • Mill certificates indicate material properties that comply with requirements, • Material sizes, types and grades comply with requirements. Test unidentified materials Examine seam welds of structural tubes and pipes Inspection: Verify member locations, bracing and all details constructed in the field. Verify stiffener locations, connection tab locations and all construction details fabricated in the shop. 18. HIGH STRENGTH BOLTS: Material Verification of High-Strength Bolts, Nuts, and Verify identification markings and manufacturer's certificates of compliance conform to ASTM standards specified in the DSA approved documents. Test high-strength bolts, nuts and washers. Inspection of High-Strength Bolt Installation: Slip-critical connections. 19. WELDING: Verify weld filler material identification markings per AWS designation listed on the DSA approved documents and the WPS. Verify weld filler material manufacturer's certificate of compliance. Verify WPS, welder qualifications and equipment. 19.1 SHOP WELDING:	Periodic Continuous Periodic Vashers: Periodic Periodic Periodic Periodic Periodic	Lab SI* SI SI SI SI SI	* By special inspector when performed off-site; by project inspector for steel shipped directly in project site without welding or fabrication. 2203A.1 (2203.1*). ASTM A370. * DSA IR 17-3. DSA IR 17-9 2213A.1 (2212.6.1*). ASTM F606, A370. DSA IR 17-8 * "Continuous" or "Periodic" depends on the tightening method used, DSA IR 17-9 and 1705A. DSA IR 17-3, AWS D1.1 and AWS D1.8 (AWS D1.3 for cold formed steel). DSA IR 17-3.
	a. b. c. d. a. b. c.	TEEL 17. STRUCTURAL STEEL AND COLD-FORM Material Verification: Verify that all materials are appropriately marked and that: • Mill certificates indicate material properties that comply with requirements, • Material sizes, types and grades comply with requirements. Test unidentified materials Examine seam welds of structural tubes and pipes Inspection: Verify member locations, bracing and all details constructed in the field. Verify stiffener locations, connection tab locations and all construction details fabricated in the shop. 18. HIGH STRENGTH BOLTS: Material Verification of High-Strength Bolts, Nuts, and Verify identification markings and manufacturer's certificates of compliance conform to ASTM standards specified in the DSA approved documents. Test high-strength bolts, nuts and washers. Inspection of High-Strength Bolt Installation: Slip-critical connections. 19. WELDING: Verify weld filler material identification markings per AWS designation listed on the DSA approved documents and the WPS. Verify weld filler material manufacturer's certificate of compliance. Verify WPS, welder qualifications and equipment. 19.1 SHOP WELDING: Inspect groove, multi-pass, and fillet welds > 5/16"	Periodic Continuous Periodic Vashers: Periodic Periodic Periodic Test Periodic Test Periodic Test Periodic Continuous	Lab SI SI SI SI SI SI	* By special inspector when performed off-site; by project inspector for steel shipped directly t project site without welding or fabrication. 2203A.1 (2203.1*). ASTM A370. * DSA IR 17-3. DSA IR 17-9 2213A.1 (2212.6.1*). ASTM F606, A370. DSA IR 17-8 * "Continuous" or "Periodic" depends on the tightening method used, DSA IR 17-9 and 1705A. DSA IR 17-3, AWS D1.1 and AWS D1.8 (AWS D1.3 for cold formed steel). DSA IR 17-3.
X X X X X X X X X X X X X X X X X X X	Bi a. b. c. a. b. c. a. b.	TEEL 17. STRUCTURAL STEEL AND COLD-FOR Material Verification: Verify that all materials are appropriately marked and that: • Mill certificates indicate material properties that comply with requirements, • Material sizes, types and grades comply with requirements. Test unidentified materials Examine seam welds of structural tubes and pipes Inspection: Verify member locations, bracing and all details constructed in the field. Verify stiffener locations, connection tab locations and all construction details fabricated in the shop. 18. HIGH STRENGTH BOLTS: Material Verification of High-Strength Bolts, Nuts, and Verify identification markings and manufacturer's certificates of compliance conform to ASTM standards specified in the DSA approved documents. Test high-strength bolts, nuts and washers. Inspection of High-Strength Bolt Installation: Slip-critical connections. 19. WELDING: Verify weld filler material identification markings per AWS designation listed on the DSA approved documents and the WPS. Verify weld filler material manufacturer's certificate of compliance. Verify WPS, welder qualifications and equipment. 19.1 SHOP WELDING:	Periodic Continuous Periodic Vashers: Periodic Test Periodic Periodic Periodic Periodic Periodic	Lab SI* SI SI SI SI SI	* By special inspector when performed off-site; by project inspector for steel shipped directly t project site without welding or fabrication. 2203A.1 (2203.1*). ASTM A370. * DSA IR 17-3. DSA IR 17-9 2213A.1 (2212.6.1*). ASTM F606, A370. DSA IR 17-8 * "Continuous" or "Periodic" depends on the tightening method used, DSA IR 17-9 and 1705A. DSA IR 17-3, AWS D1.1 and AWS D1.8 (AWS D1.3 for cold formed steel).

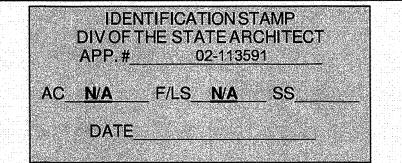
Soils testing and Inspection: Geotechnical Verified Report - Form DSA-293
 All Structural Testing: Laboratory Verified Report - Form DSA-291
 Concrete Batch Plant Inspection: Special Inspection Verified Report - Form DSA-292

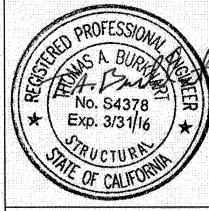
4 Shop Welding Inspection: Special Inspection Verified Report - Form DSA-292
 5 HS Bolt Installation Inspection: Special Inspection Verified Report - Form DSA-292

KEY to Columns	
1 Type -	2 Performed By -
Continuous - Indicates that a continuous special inspection is required	GE – Indicates that the special inspection is to be performed by a registered geotechnical engineer or his or her authorized representative
Periodic - Indicates that a periodic special inspection is required	Lab – Indicates that the test or inspection is to be performed by a testing laboratory accepted in the DSA laboratory Evaluation and Acceptance (LEA) Program. See section 4-335, 2013 CCR Title 24, Part 1.
Test - Indicates that a test is required	PI - Indicates that the special inspection is to be performed by the project inspector
	SI - Indicates that the special inspection is to be performed by a special inspector

Name of Architect or Engineer in general responsible charge THOMAS A. BURKHART

Name of Structural Engineer (When structural design has been delegated)





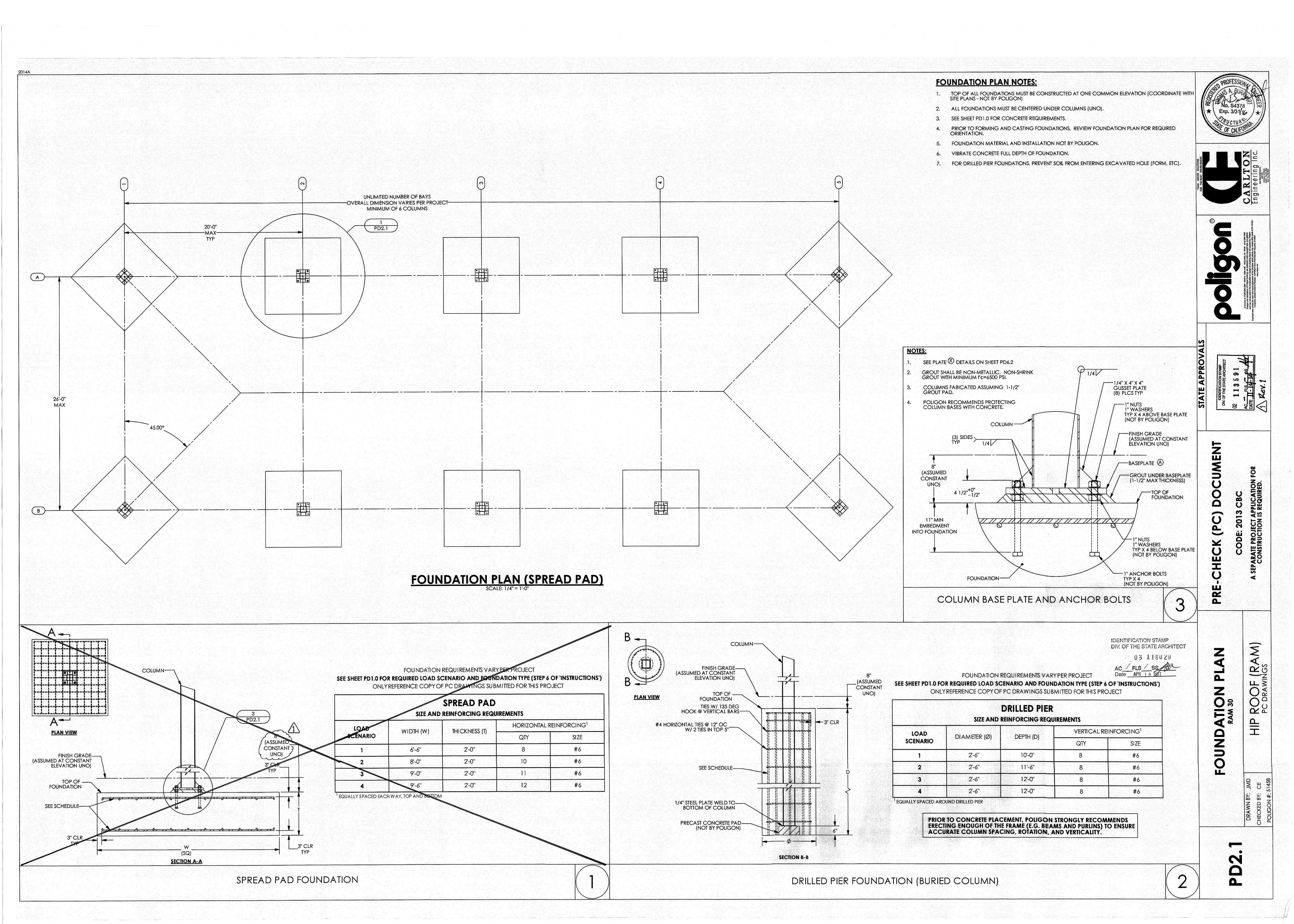


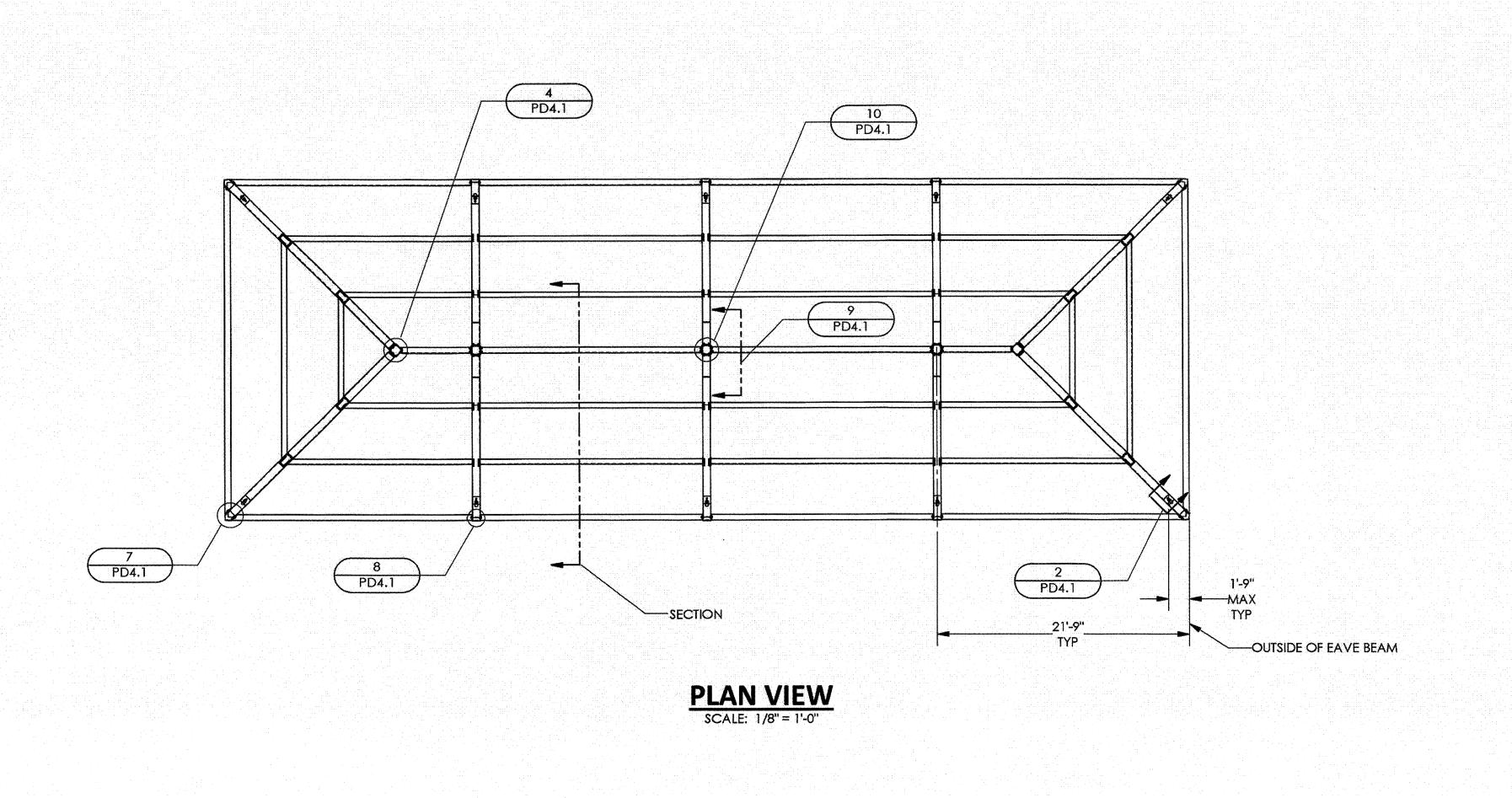
CHECK (PC) DO PARATE PROJECT APPLICA CONSTRUCTION IS REQUI

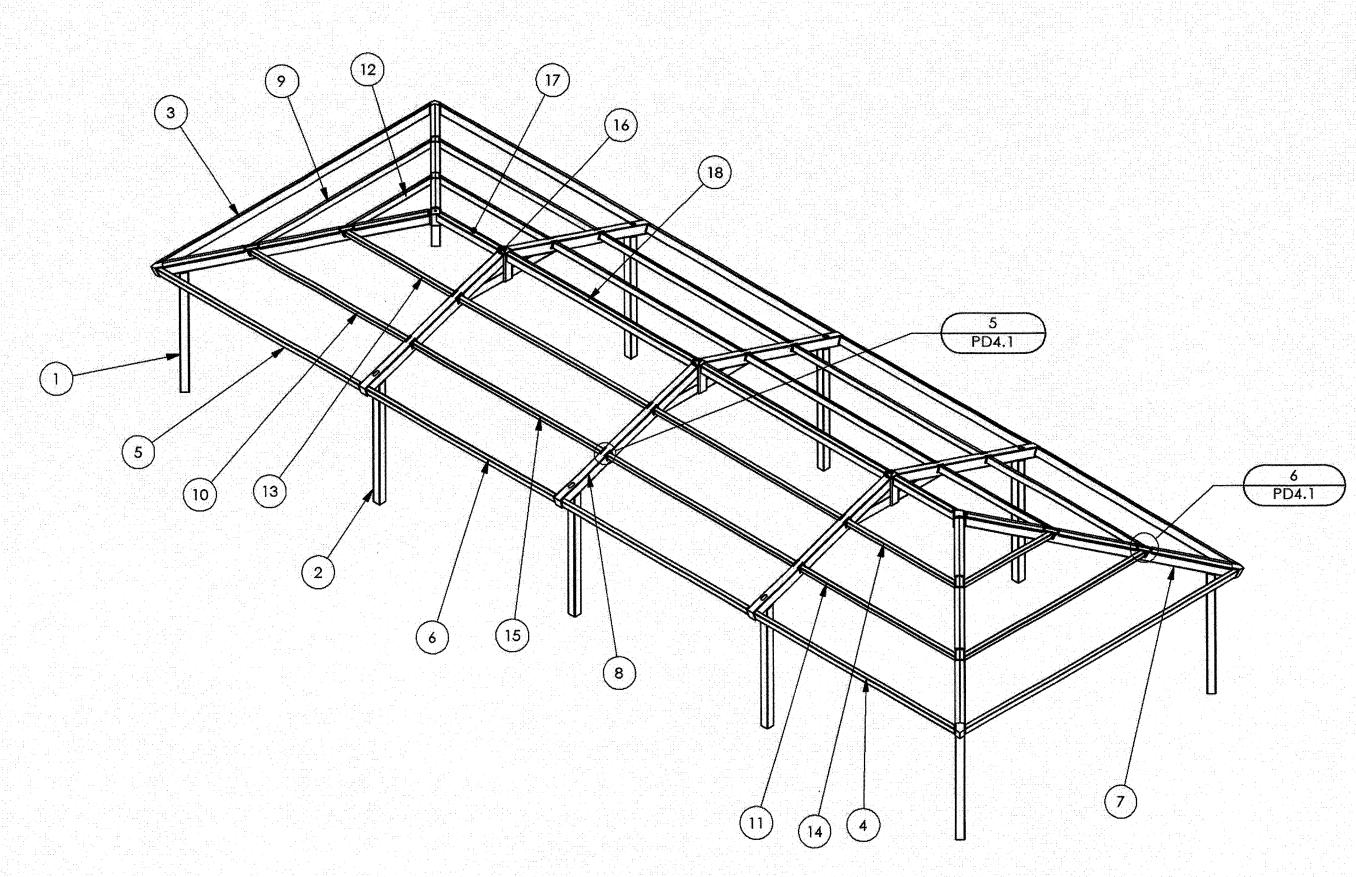
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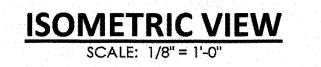
SPECIAL

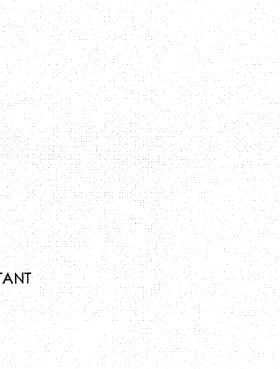
IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT 03 118020

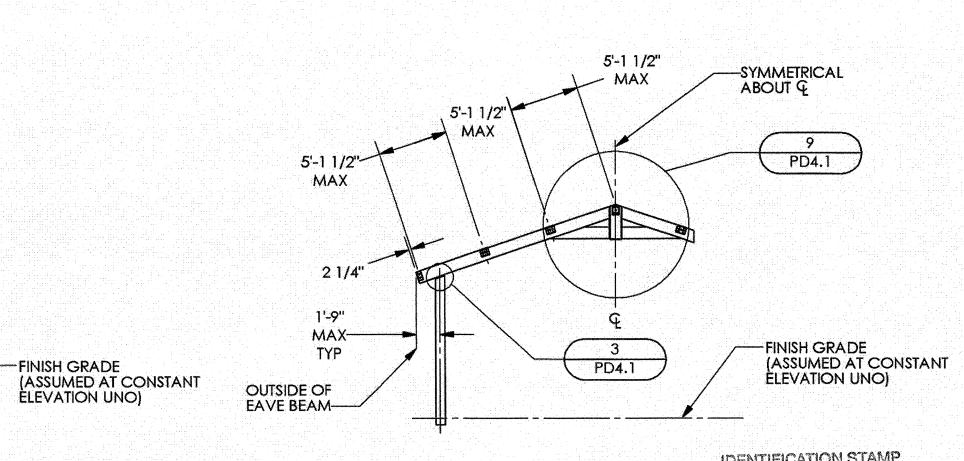












SIDE ELEVATION

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

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AC	FLS	<u>/_s</u>	SA	M	
AC_ Date	FLS APR	$\frac{2}{182}$	OVI_	<u>//</u>	•

HSS8X8X1/4

HSS8X8X1/4

MATERIAL

18	2	 RIDGE BEAM ASM, MID	HSS8X6X3/16
17	2	RIDGE BEAM ASM, END	H\$\$8X6X3/16
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	H\$\$6X4X3/16
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

COLUMN ASM, SIDE

COLUMN ASM, CORNER

DESCRIPTION

ITEM FRAME /QTY. PART NO.

PRE-CHECK (PC) DOCUMENT

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

HIP ROOF (RAM) PC DRAWINGS

TOP OF RIDGE BEAM

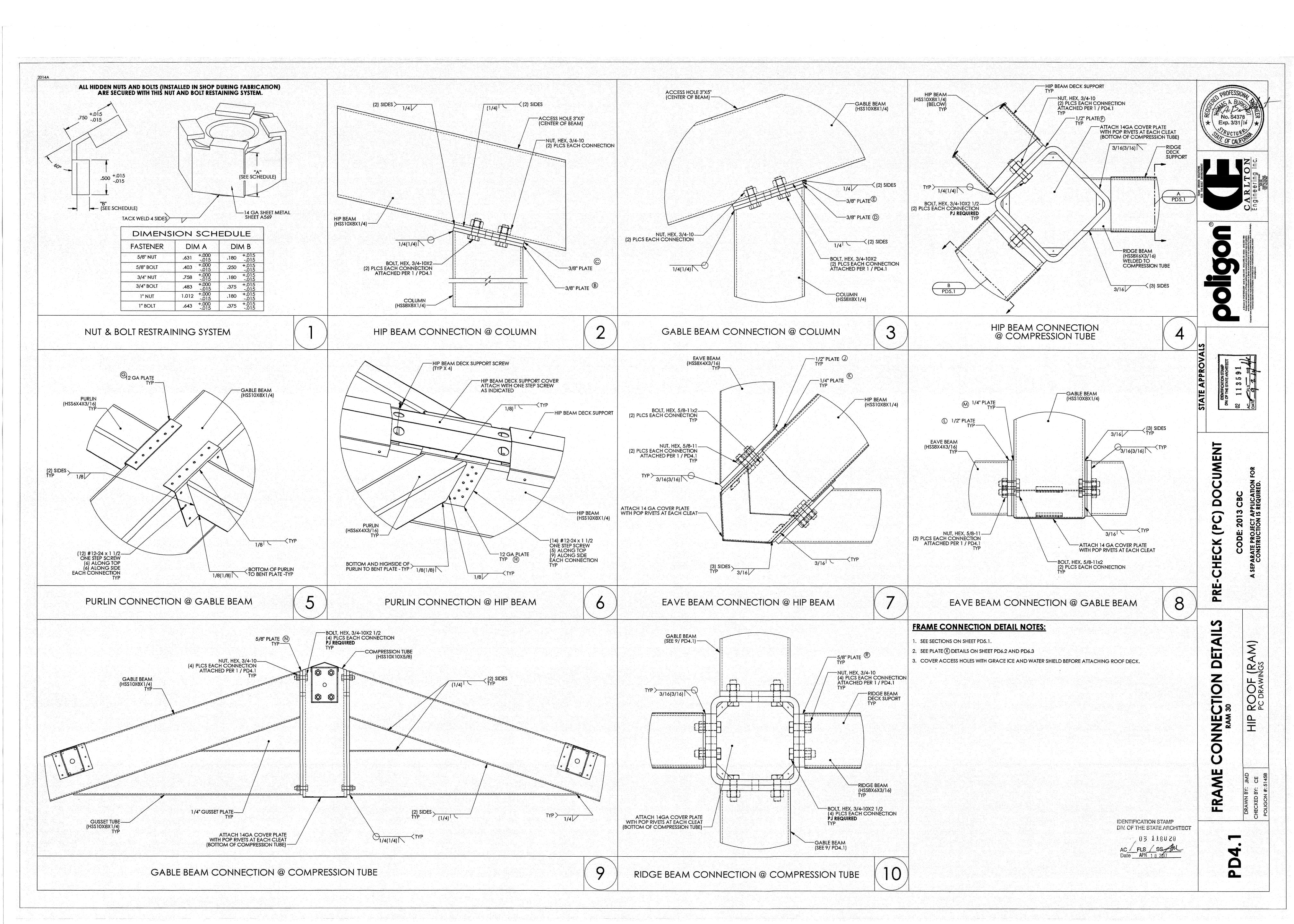
15-5 1/2*

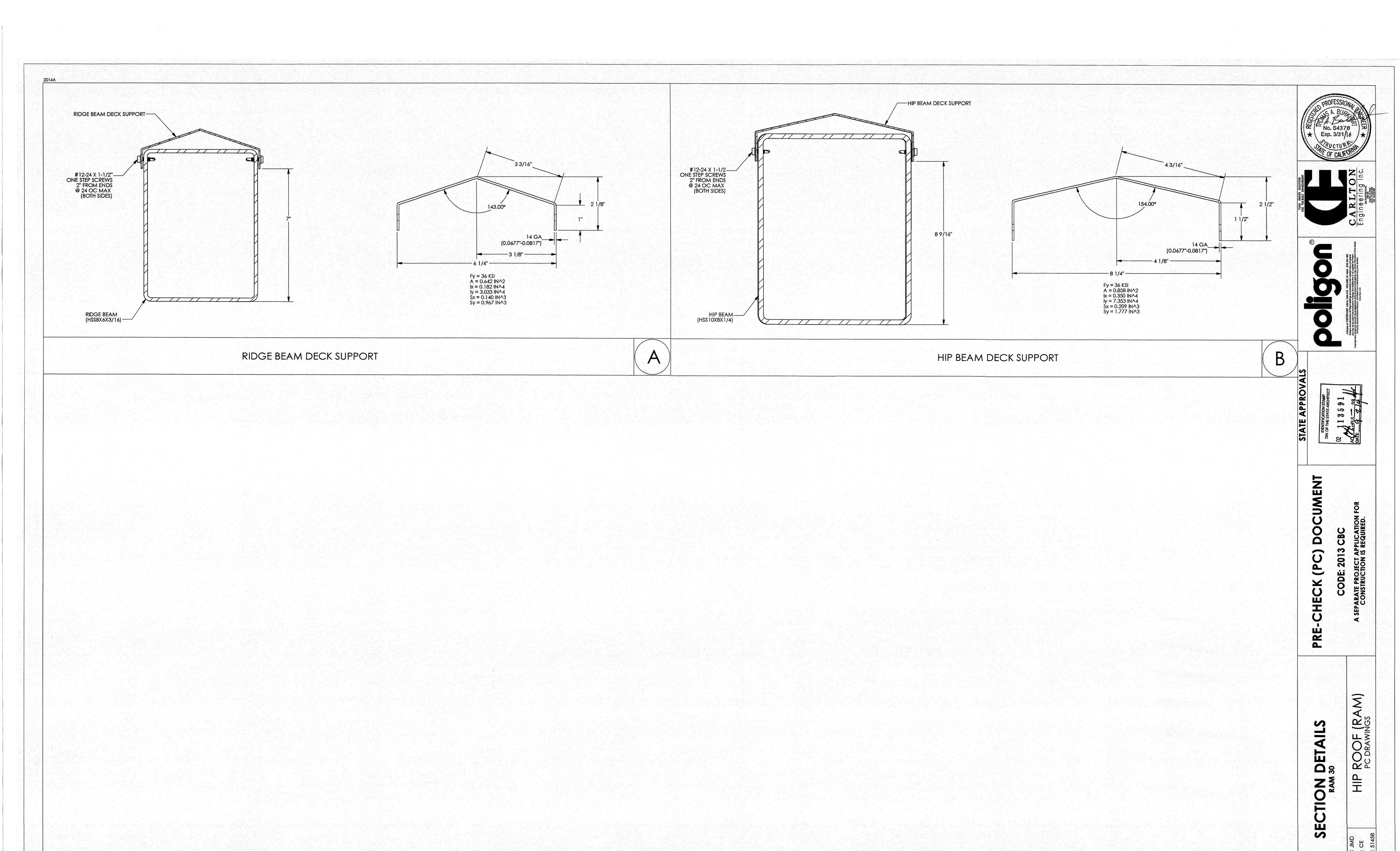
MAX

FINISH GRADE
(ASSUMED AT CONSTANT ELEVATION UNO)

FRONT ELEVATION

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



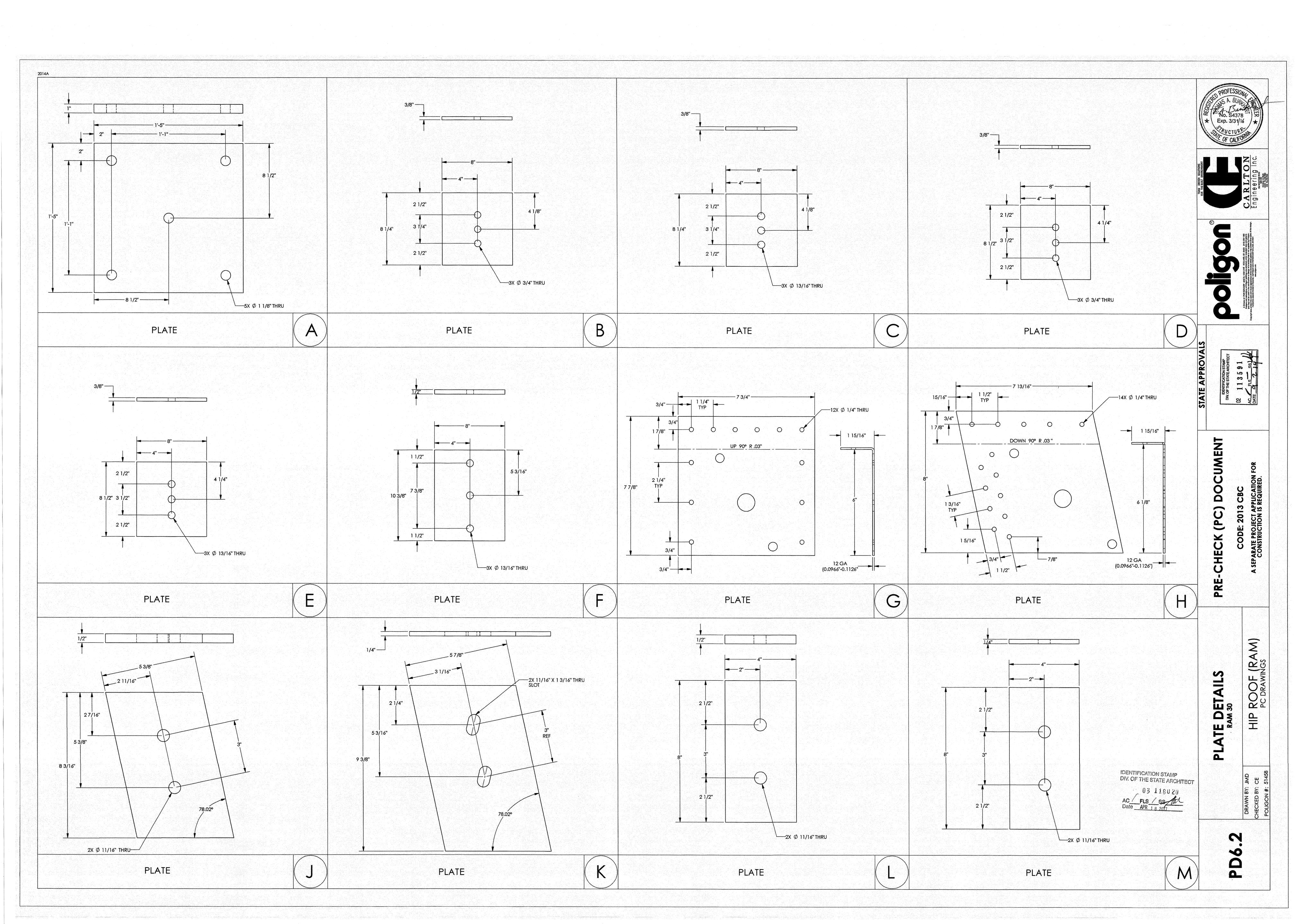


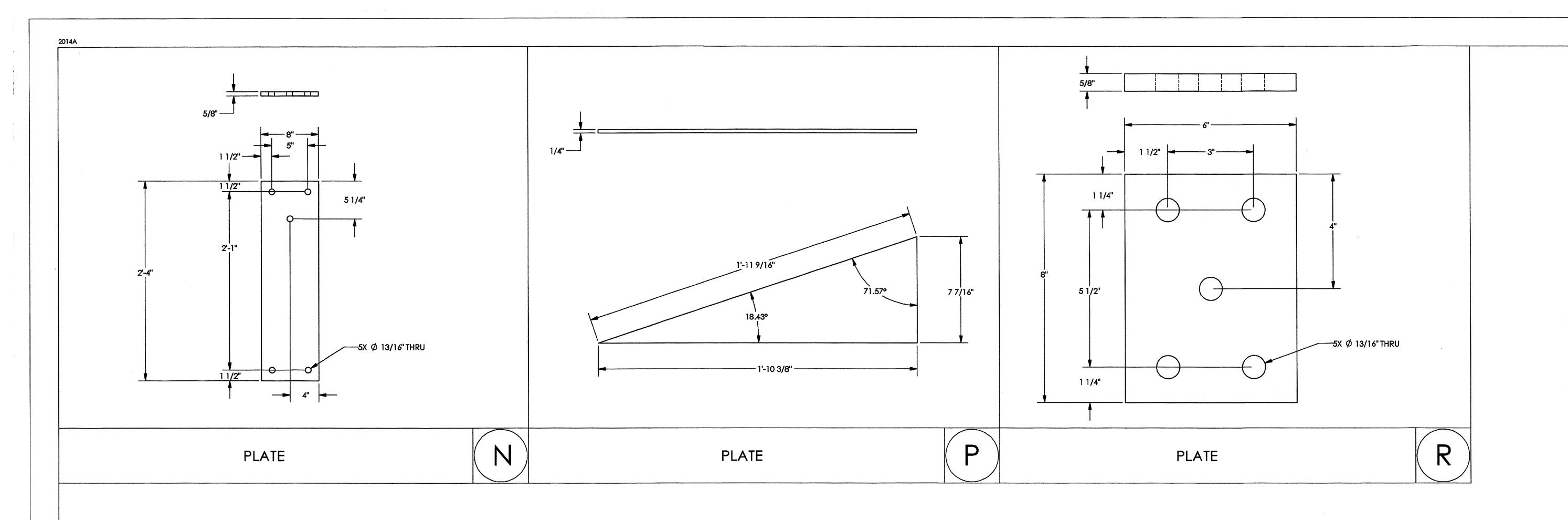
IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT

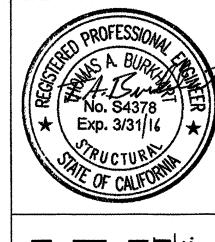
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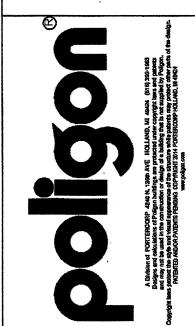
Date APR 18 2017











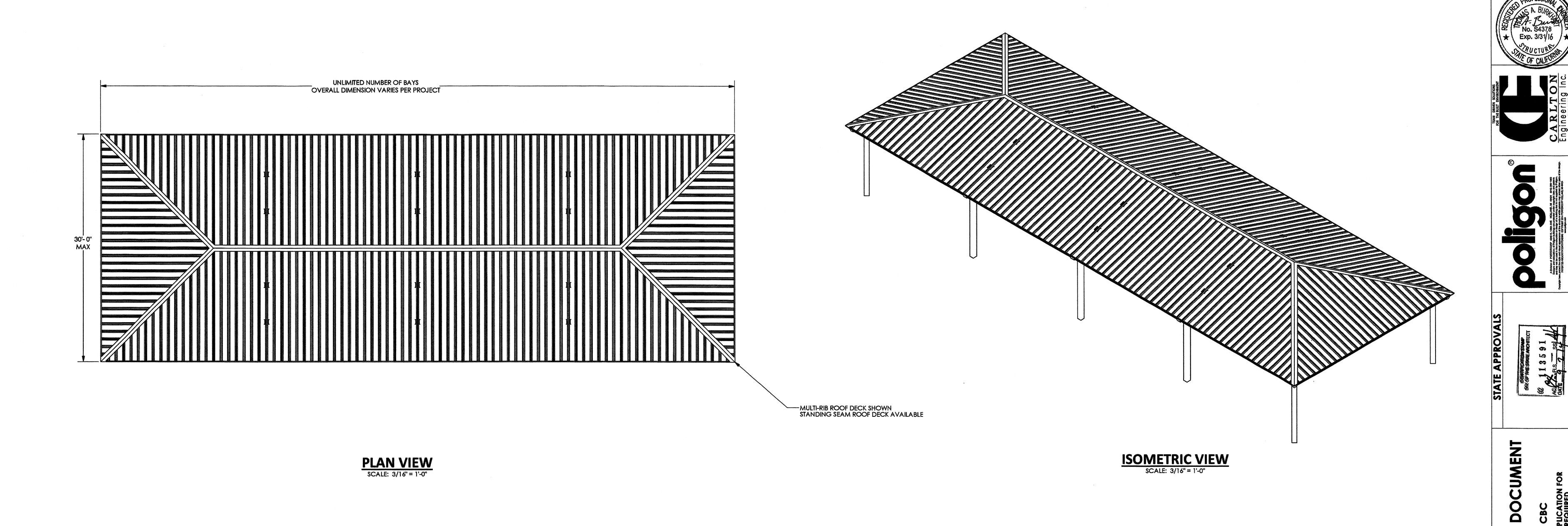
PRE-CHECK (PC) DOCUMENT A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRED.

HIP ROOF (RAM)
PC DRAWINGS PLATE DETAILS
RAM 30

3 PD6

IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT

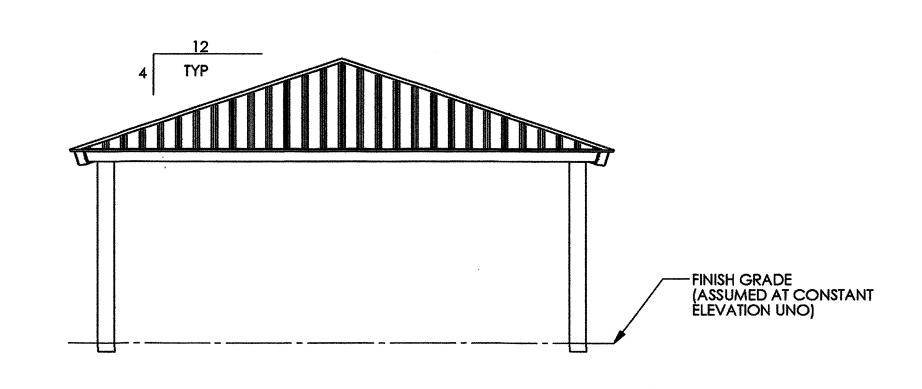
03 118U20 AC__FLS__SS_Att_ Date__APR_1 8 2017



15'-7 13/16" MAX 10'-0" MAX FINISH GRADE
(ASSUMED AT CONSTANT ELEVATION UNO)

FRONT ELEVATION

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



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

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT O 3 1 1 8 U 2 U

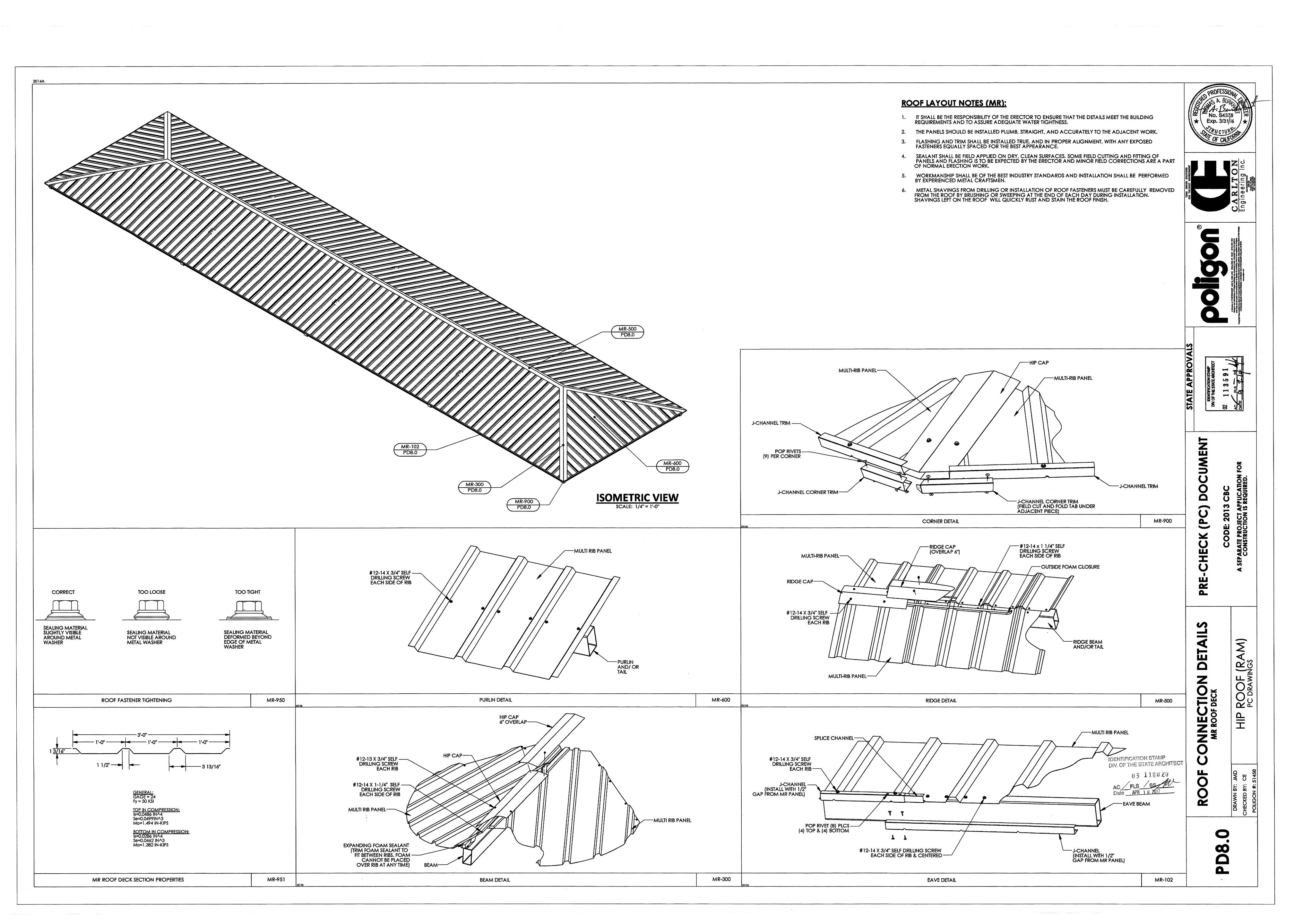
AC FLS SS ALL

Date APR 1 8 2017

ARCHITECTURAL RAM 30

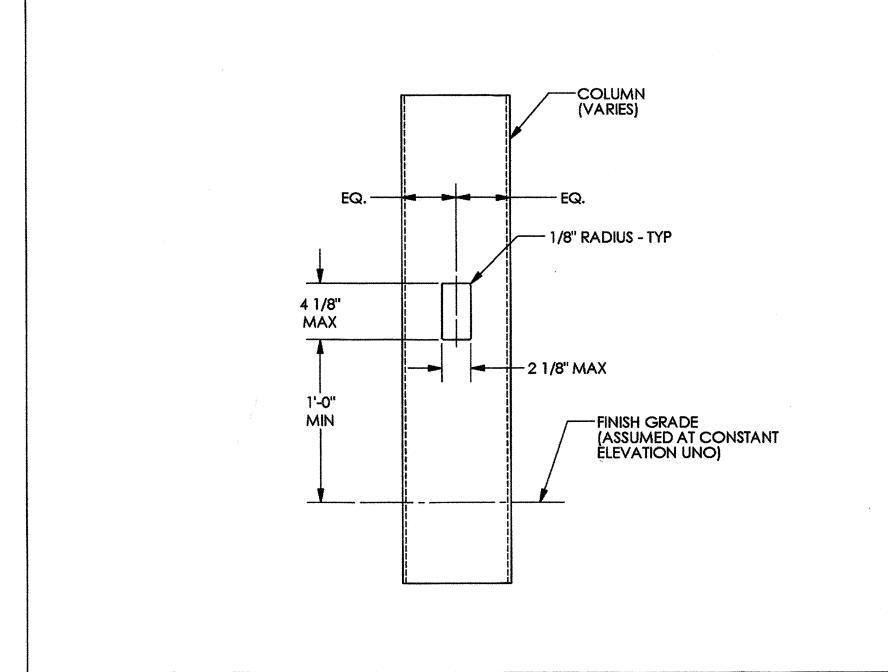
PRE-

PD7



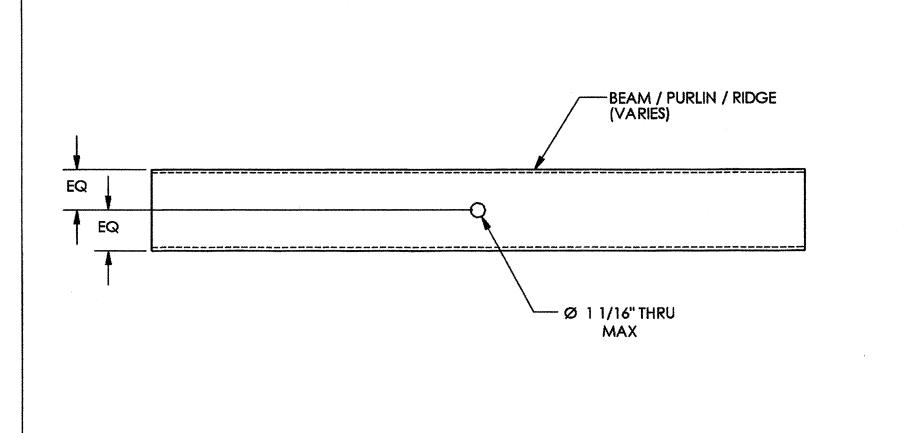
POLIGUARD GUTTER SYSTEM NOTES:

- 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.









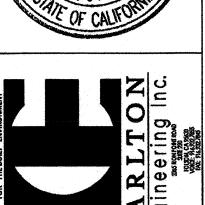
ELECTRICAL CUTOUT IN BEAMS / PURLINS / RIDGES

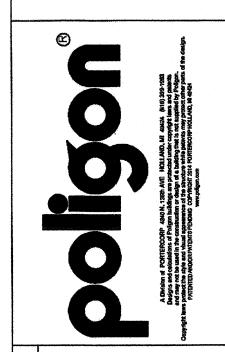
EC-200

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.







DENTIFICATION STAMP

DIV OF THE STATE ARCHITECT

OR 113591

MC FIS SS W

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

ROOF (RAM) PC DRAWINGS

OPTIONS

DESIGN

DRAWN BY: JMD HECKED BY: CE

PD9.0

DENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT

U.3. 1.18 U.2 U

AC FLS SS HATE
Date APR 1.0 2017