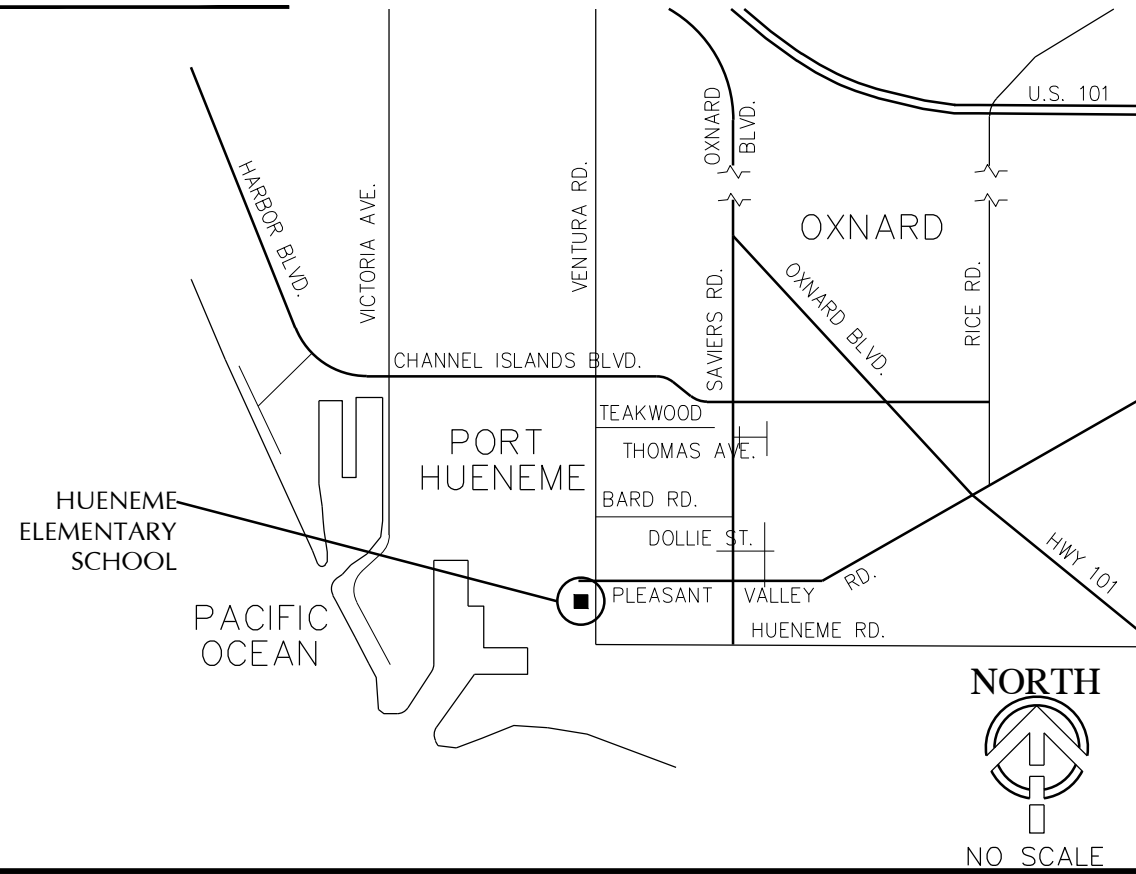


# HUENEME ELEMENTARY SCHOOL DISTRICT

## HUENEME ELEMENTARY SCHOOL

### NEW RELOCATABLE RESTROOM BUILDING

#### VICINITY MAP



#### GENERAL NOTES

- ALL WORK SHALL CONFORM TO 2016 EDITION TITLE 24 CALIFORNIA CODE OF REGULATIONS (CCR).
- CHANGES TO APPROVED DRAWINGS AND SPECIFICATIONS SHALL BE MADE BY AN ADDENDUM OR A CHANGE ORDER APPROVED BY THE DIVISION OF THE STATE ARCHITECT AS REQUIRED BY SECTION 4-338, PART 1, T24 CCR.
- A DSA CERTIFIED INSPECTOR WITH CLASS 1 SHALL BE EMPLOYED BY THE DISTRICT AND SHALL PROVIDE CONTINUOUS INSPECTION OF THE WORK. THE DUTIES OF THE INSPECTION ARE DEFINED IN SECTION 4-342, PART 1, T24, CCR. THE PROJECT INSPECTOR SHALL BE CERTIFIED BY DSA TO INSPECT.
- APPARENT DISCREPANCIES ON DRAWINGS AND/OR SPECIFICATIONS SHALL BE REPORTED TO THE ARCHITECT BEFORE PROCEEDING WITH THE WORK.
- ANY DIFFERENCE BETWEEN THE EXISTING CONSTRUCTION AS OBSERVED IN THE FIELD AND AS SHOWN ON THE DRAWING SHALL BE REPORTED TO THE ARCHITECT BEFORE PROCEEDING WITH THE WORK.
- THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS PRIOR TO STARTING WORK. THE ARCHITECT SHALL BE NOTIFIED OF ANY DISCREPANCIES OR INCONSISTENCIES. THE CONTRACTOR IS RESPONSIBLE FOR CHECKING AND COORDINATING DIMENSIONS.
- IT SHALL BE THE RESPONSIBILITY OF THE GENERAL CONTRACTOR TO ENSURE THAT ALL APPLICABLE SAFETY LAWS ARE STRICTLY ENFORCED AND TO MAINTAIN A SAFE CONSTRUCTION PROJECT.
- IT SHALL BE THE RESPONSIBILITY OF THE GENERAL CONTRACTOR TO PROVIDE SUPERVISION OF THE CONSTRUCTION WORK TO ENSURE THAT IT IS BUILT IN CONFORMANCE WITH THE APPROVED PLANS AND SPECIFICATIONS. THE ARCHITECT WILL PROVIDE ONLY PERIODIC OBSERVATION OF THE WORK. SEE NOTE 3 FOR DSA INSPECTION REQUIREMENTS.
- ANY DAMAGE DONE TO THE EXISTING CONSTRUCTION DURING THE COURSE OF THIS WORK SHALL BE REPLACED BY THE CONTRACTOR AT THE CONTRACTOR'S EXPENSE WITH NO ADDITIONAL COST TO THE OWNER.
- GRADING PLANS, DRAINAGE IMPROVEMENTS, ROAD & ACCESS REQUIREMENTS AND ENVIRONMENTAL HEALTH CONSIDERATIONS SHALL COMPLY WITH ALL LOCAL ORDINANCES.
- CUTTING, BORING, SAWCUTTING OR DRILLING THROUGH THE NEW OR EXISTING STRUCTURAL ELEMENTS TO BE DONE ONLY WHEN SO DETAILED IN THE DRAWINGS OR ACCEPTED BY THE ARCHITECT AND THE STRUCTURAL ENGINEER WITH THE APPROVAL OF DSA REPRESENTATIVE. ALL WELDING SHALL BE SPECIALLY INSPECTED BY AN AWS-CWI QUALIFIED INSPECTOR APPROVED BY DSA. ALL BRACING OF DUCTS AND PIPINGS SHALL BE INSTALLED IN ACCORDANCE WITH SMACNA GUIDELINES AND 2016 CBC REQUIREMENTS AS APPROVED BY DSA AND CONTAINED HEREIN. WHERE BRACING DETAILS ARE NOT SHOWN ON THE DRAWINGS OR IN THE GUIDELINES, THE FIELD INSTALLATION SHALL BE SUBJECT TO THE APPROVAL OF THE ARCHITECT, MECHANICAL ENGINEER AND FIELD ENGINEER. A COPY OF THE GUIDELINES PUBLISHED BY SMACNA AND APPROVED BY DSA SHALL BE PROVIDED BY THE CONTRACTOR AND KEPT ON THE JOB AT ALL TIMES.
- SHOULD ANY EXISTING CONDITIONS SUCH AS DETERIORATION OR NON-COMPLYING CONSTRUCTION BE DISCOVERED WHICH IS NOT COVERED BY THE DSA APPROVED DOCUMENTS WHEREIN THE FINISHED WORK WILL NOT COMPLY WITH TITLE 24, C.C.R., OR SEPARATE SET OF PLANS AND SPECIFICATIONS, DETAILING AND SPECIFYING THE REQUIRED REPAIR WORK SHALL BE SUBMITTED TO AND APPROVED BY DSA BEFORE PROCEEDING WITH THE REPAIR WORK..
- A DSA ACCEPTED TESTING LABORATORY DIRECTLY EMPLOYED BY THE SCHOOL DISTRICT SHALL CONDUCT ALL THE REQUIRED TESTS AND INSPECTIONS FOR THE PROJECT.
- ALL WORK (AS APPLICABLE) MUST MEET THE MANDATORY MEASURES OF THE 2016 CALIFORNIA GREEN BUILDING STANDARDS (CAL GREEN) CODE (TITLE 24, PART II).
- FIRE SAFETY DURING CONSTRUCTION AND DEMOLITION TO COMPLY WITH 2016 CALIFORNIA FIRE CODE CHAPTER 33.
- CONTRACTOR OPERATIONS SHALL NOT BLOCK, HINDER, IMPEDE OR OTHERWISE INHIBIT THE USE OF REQUIRED EXITS AT ANY TIME. CONTRACTOR SHALL MAINTAIN UNOBSTRUCTED ACCESS TO FIRE EXTINGUISHERS, FIRE HYDRANTS, TEMPORARY FIRE PROTECTION FACILITIES, STAIRWAYS, AND OTHER ACCESS ROUTES FOR FIRE-FIGHTING EQUIPMENT AND/OR PERSONNEL.

#### PROJECT SCOPE

- RELOCATION OF (1) 8'-6"x30'-0" RELOCATABLE RESTROOM BUILDING FROM STOCKPILE, APPLICATION #04-114148.
- INSTALL A PC APPROVED RELOCATABLE RESTROOM BUILDING FROM STOCKPILE AT AN EXISTING ELEMENTARY SCHOOL. THE RESTROOM BUILDING IS LIMITED TO STAFF USE ONLY. THE RELOCATABLE BUILDING IS TO BE OWNER-FURNISHED AND OWNER-INSTALLED. THE BUILDING WILL BE PLACED UPON EXISTING ASPHALT CONCRETE PAVING. SITE CONTRACTOR TO CARRY OUT ALL OTHER WORK.
- CONNECT TO EXISTING UTILITIES AS REQUIRED TO SERVE THE BUILDING. EXISTING SEWER, WATER, ELECTRICITY, AND FIRE ALARM ARE IN THE IMMEDIATE PROJECT AREA. EXISTING ASPHALT CONCRETE PAVING WILL BE CUT AND PATCHED AS REQUIRED TO EXTEND UNDERGROUND UTILITIES TO PROJECT AREA.
- CONSTRUCT ACCESSIBILITY UPGRADES AS SHOWN IN THESE PLANS. UPGRADES INCLUDE NEW ACCESSIBLE PARKING AND INSTALLATION OF NEW CANE DETECTION RAILS AROUND AN EXISTING COMPLIANT HI-LO FOUNTAIN.

#### APPLICABLE CODES

PARTIAL LIST OF APPLICABLE CODES AS OF January 1, 2017*	
2016 California Administrative Code (CAC), Part 1, Title 24 CCR*	
2016 California Building Code (CBC), Part 2, Title 24 CCR	
(2015 International Building Code, Vol. 1 & 2, and 2016 California amendments)	
2016 California Electrical Code (CEC), Part 3, Title 24 CCR	
(2014 National Electrical Code and 2016 California Amendments)	
2016 California Mechanical Code (CMC), Part 4, Title 24 CCR	
(2015 IAPMO Uniform Mechanical Code and 2016 California amendments)	
2016 California Plumbing Code (CPC), Part 5, Title 24 CCR	
(2015 IAPMO Uniform Plumbing Code and 2016 California amendments)	
2016 California Energy Code (CEC), Part 6, Title 24 CCR	
2016 California Fire Code (CFC), Part 9, Title 24 CCR	
(2015 International Fire Code and 2016 California Amendments)	
2016 California Existing Building Code (CEBC), Part 10, Title 24 CCR	
(2015 International Existing Building Code and 2016 California Amendments)	
2016 California Green Building Standards Code (CALGreen), Part 11, Title 24 CCR	
2016 California Referenced Standards Code, Part 12, Title 24 CCR	
Title 19 CCR, Public Safety, State Fire Marshal Regulations	
2013 ASME A17.1/CSA B44-13 Safety Code for Elevators and Escalators	
PARTIAL LIST OF APPLICABLE STANDARDS	
NFPA 13 Standard for the Installation of Sprinkler Systems (CA amended)	2016 Edition
NFPA 14 Standard for the Installation of Standpipe and Hose Systems	2013 Edition
NFPA 17 Standard for Dry Chemical Extinguishing Systems	2013 Edition
NFPA 17A Standard for Wet Chemical Extinguishing Systems	2013 Edition
NFPA 20 Standard for the Installation of Stationary Pumps for Fire Protection	2016 Edition
NFPA 22 Standard for Water Tanks for Private Fire Protection	2013 Edition
NFPA 24 Standard for the Installation of Private Fire Service Mains and their Appurtenances	2016 Edition
NFPA 72 National Fire Alarm and Signaling Code (CA amended)	2016 Edition
NFPA 80 Standard for Fire Doors and Other Opening Protectives	2016 Edition
NFPA 2001 Standard on Clean Agent Fire Extinguishing Systems	2015 Edition
UL 300 Standard for Fire Testing of Fire Extinguishing Systems for Protection of Commercial Cooking Equipment	2005 (R2010)
UL 464 Audible Signaling Devices for Fire Alarm and Signaling Systems, Including Accessories	
UL 521 Standard for Heat Detectors for Fire Protective Signaling Systems	2003 Edition
UL 1971 Standard for Signaling Devices for the Hearing Impaired	1999 Edition
ICC 300 Standard for Bleachers, Folding and Telescopic Seating, and Grandstands	2002 Edition
	2012 Edition

For a complete list of applicable NFPA standards refer to 2016 CBC (SFM) Chapter 35 and California Fire Code Chapter 80.

See California Building Code, Chapter 35, for State of California amendments to the NFPA Standards.

\*All parts of the 2016 California Building Code become effective January 1, 2017 except the effective date for the use of the 2016 Building Energy Efficiency Standards (Title 24, Part 1, Chapter 10) is February 25, 2016 and the effective date for the use of the California Administrative Code (Title 24, Part 1, Chapter 4) is January 20, 2016.

#### BID ALTERNATES

NONE.

#### BID INSTRUCTIONS

NONE.

#### DEFERRED APPROVALS

NONE.

#### STATEMENT OF GENERAL CONFORMANCE

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

(APPLICATION NO. 03-119783 FILE NO. 56-12 )

- ☒ The drawings or sheets listed on the cover or index sheet  
☐ 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. It has been examined by me for:

- design intent and appears to meet the appropriate requirements of Title 24, California Code of Regulations and the project specifications prepared by me, and
- coordination with my plans and specifications and is acceptable for incorporation into the construction of this project.

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))

- I find that:
- ☒ 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  
☒ has/have been coordinated with the project plans and specifications.  
☒ have been designed per the PC for the project building climate zone (Zone 6).

Signature	06/12/19
Date	
Architect designated to be in general responsible charge	
ROSA E ALVARADO	
Printed Name	
C-29353	09/30/19
License Number	Expiration Date

Deterioration or Existing Non-Compliant Construction: If any condition is discovered which, if left uncorrected, would make the building non-compliant with the requirements of the edition of the CBC in force at the time of original construction, the condition must be corrected in accordance with current code requirements. A construction change document (CCD Type A), or a separate set of plans and specifications detailing and specifying the required repair work shall be submitted to and approved by DSA before proceeding with the repair work.

#### SHEET INDEX

##### GENERAL

G-001 TITLE SHEET  
G-002 CODE SITE PLAN  
G-002F SITE PLAN, FIRE DEPT. APPROVAL  
A-201 ENLARGED PLANS & DETAILS  
A-111 SITE DETAILS  
A-112 SITE-SPECIFIC SECTION & NOTES

##### CIVIL

C-1.01 GRADING & DRAINAGE PLAN  
C-2.01 UTILITY PLAN

##### ELECTRICAL

E-001 GENERAL NOTES & LEGENDS  
E-002 SINGLE LINE DIAGRAM & PANEL SCHEDULES  
E-011 FIRE ALARM RISER DIAGRAM  
E-012 FIRE ALARM CALCULATIONS  
E-101 SITE PLAN  
E-201 ELECTRICAL FLOOR PLAN  
E-301 DETAILS

MANUFACTURER'S DRAWINGS (SILVER CREEK INDUSTRIES, INC. A#04-114148, SERIAL NUMBER 13817)

##### ARCHITECTURAL

A-0 COVER SHEET, SHEET INDEX, & BUILDING DATA  
A-0.0 BUILDING OPTIONS SCHEDULE  
A-0B T & I FORMS  
A-0.1 SYMBOLS, LEGEND, ABBREVIATIONS & ADA SIGNAGE SCHEDULES  
A-0.2 TITLE 24 CALC'S 8'-6" x 30'-0" BLDG.  
A-0.5C INDOOR LIGHTING CONTROLS & CALGREEN NOTES  
A-0.7 FLOOR PLANS  
A-1.01 REFLECTED CEILING PLAN  
A-2.01 T-GRID CEILING DETAILS  
A-2.02 ROOF PLANS  
A-3.01 ROOFING DETAILS (0.018 STANDING SEAM)  
A-3.50 EXTERIOR ELEVATIONS (DURATEMP FINISH)  
A-4.01 CROSS SECTION  
A-5.01 TYPICAL DETAILS WOOD SIDING (WOOD STUDS)  
A-5.50 ARCHITECTURAL DETAILS (FLOOR)  
A-5.70 INTERIOR ELEVATIONS  
A-6.01

##### FOUNDATION

F-0.01 FOUNDATION PLANS (WOOD)  
F-0.50 FOUNDATION DETAILS (WOOD)

##### STRUCTURAL

S-0.1 SPECIFICATIONS & GENERAL NOTES  
S-1.01 FLOOR FRAMING PLANS  
S-1.50 FLOOR FRAMING DETAILS  
S-2.01 ROOF FRAMING PLANS  
S-2.50 ROOF FRAMING DETAILS - MONO SLOPE  
S-2.60 ROOF FRAMING DETAILS  
S-3.03 BUILDING SECTIONS  
S-5.00 WALL FRAMING ELEVATIONS  
S-5.10 WALL FRAMING DETAILS  
S-5.11 WALL FRAMING DETAILS

##### PLUMBING

P-1.03 PLUMBING FLOOR PLAN AND ISOMETRICS (8'-6"x30'-0")  
P-2.01 PLUMBING DETAILS & SCHEDULE

##### ELECTRICAL

E-1.03 ELECTRICAL PLAN AND SCHEDULES (8'-6"x30'-0")

##### RAMP

R-1.03 RAMP & LANDING PLAN FOR 21'-6" & 30'-0" BLDG  
R-2.01 RAMP DETAILS

##### OWNER CONTACT:

HUENEME ELEMENTARY SCHOOL DISTRICT  
205 NORTH VENTURA ROAD  
PORT HUENEME, CA 93041  
(805) 488-3588, EXT. 9801  
ATTN: DAVID RAGSDALE, CTO



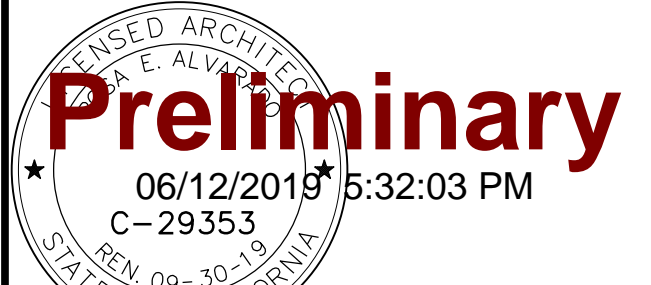
196  
ARCHITECTS

802 EAST COTA STREET, SUITE A  
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#### CONSULTANTS

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245 Higuera Street  
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TEL (805) 540-5115

ARCHITECT STAMP CONSULTANT STAMP



#### AGENCY APPROVAL

IDENTIFICATION STAMP  
DIV. OF THE STATE ARCHITECT  
OFFICE OF REGULATION SERVICES

A# 03-\_\_\_\_\_  
AC \_\_\_\_\_ FLS \_\_\_\_\_ SS \_\_\_\_\_  
DATE \_\_\_\_\_

#### REVISIONS

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#### PROJECT OWNER & TITLE

HUENEME ELEMENTARY  
SCHOOL DISTRICT  
HUENEME ELEMENTARY  
SCHOOL-  
NEW RELOCATABLE  
RESTROOM BUILDING  
354 NORTH 3RD STREET  
PORT HUENEME, CA 93041

#### SHEET TITLE

TITLE SHEET

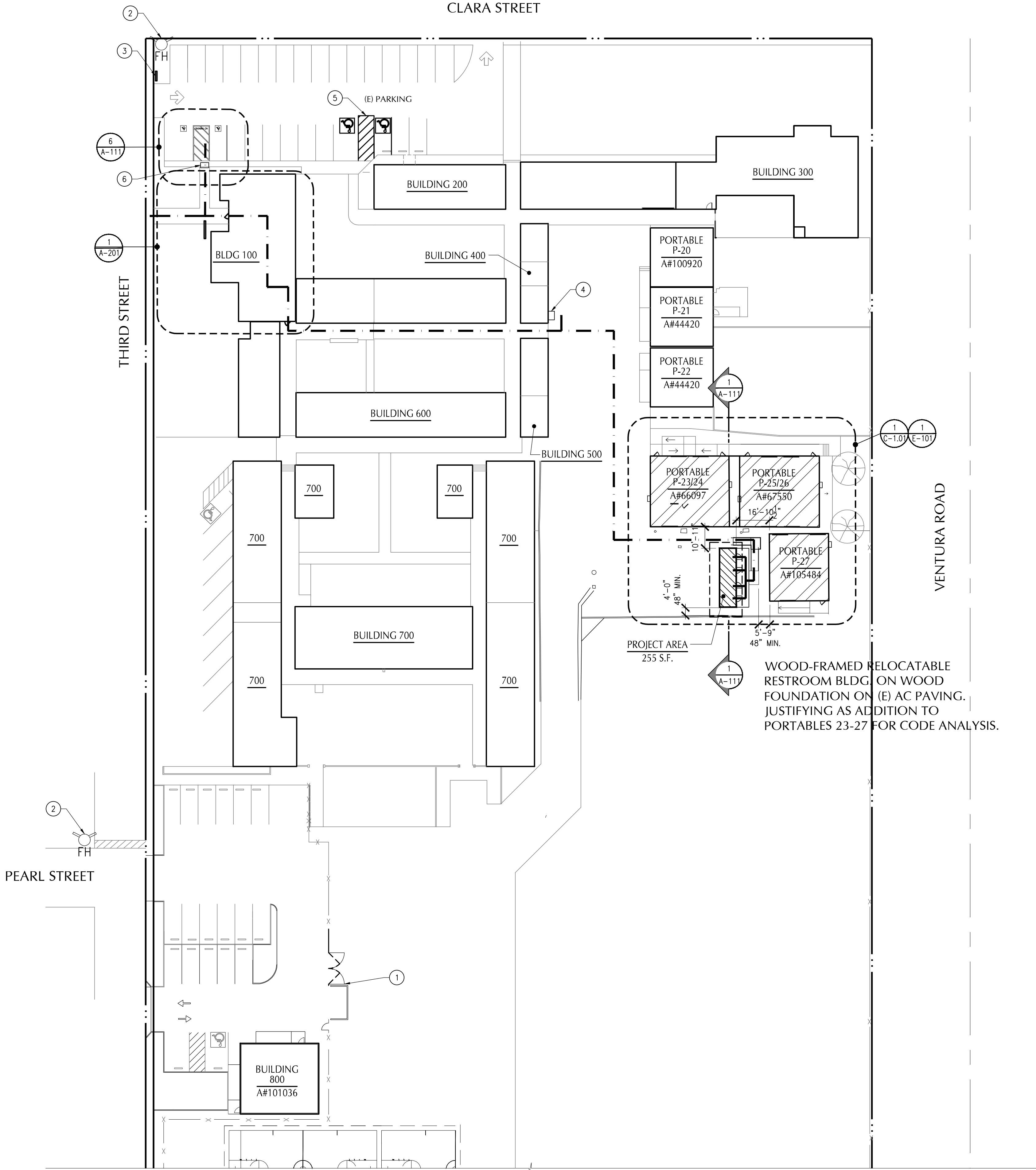
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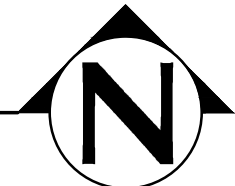
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DATE: JUNE 12, 2019





1 HUENEME ELEMENTARY SCHOOL - SITE PLAN  
1" = 30'-0"



BUILDING DATA								
BLDG	OCC. TYPE	CONST TYPE	SPRNKLR	BLDG HEIGHT	BLDG AREA	ROOF OH	TOTAL AREA	ALLOW. AREA
P23-P-27	E	VB	NO	(E) 12'-6"±	4,215 SF	- SF	4,215 SF	9,500 SF

BUILDING INFO			
BUILDING/ RELOCATABLE NAME	USE	DSA 'A' NO.	ORIGINAL DSA NOS.
100	(E) ADMIN., CLASSRMS.	03-100193	4077, 6647, 8740, 16257
200	(E) CLASSROOMS	03-100193	4077, 6647
300	(E) CLASSROOMS	03-100193	6647, 8740, 35935
400	(E) CLASSROOMS	03-100193	4077, 6647
500	(E) CLASSROOMS	03-100193	6647, 8704
600	(E) CLASSROOMS	03-100193	4077, 6647, 8740
700	(E) CAFET., CLASSRMS.	03-100193, 03-116108	1802, 9688
800	(E) STAFF TRAINING	-	03-101036

NOTES: SEE SITE PLAN FOR ADDITIONAL RELOCATABLE AND APPLICATION NUMBERS. MOST RECENT PROJECT AT THIS CAMPUS (DSA A# 03-116108) WAS CLOSED WITH CERTIFICATION ON 12/01/2016.

LEGEND	
---	ASSUMED LOT LINE
- - - - -	ACCESSIBLE PATH OF TRAVEL PER STATEMENT OF P.O.T. UPGRADES/G-002

- KEYNOTES
1. DEMO (E) METAL GATE AND (E) METAL FENCE PANELS, CONSTRUCT (N) 20'-0" MIN. CLR. WIDTH SWINGING GATE WITH KNOX BOX PER 1/A-111
  2. (E) FIRE HYDRANT
  3. (N) PARKING LOT ENTRY SIGN ON (E) POLE PER 3B/A-111
  4. (E) CODE-COMPLIANT HI-LO DRINKING FOUNTAIN WITH (N) CANE DETECTION RAILINGS PER 2/A-111
  5. (E) ACCESSIBLE PARKING, REMOVE AND RELOCATE AS SHOWN
  6. (N) 5'-0" WIDE X 3'-0" LONG IN THE DIRECTION OF TRAVEL DETECTABLE WARNING PER 11/A-111

STATEMENT OF P.O.T. UPGRADES

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 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.

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

PATH OF TRAVEL (P.O.T.) AS INDICATED, IS A COMMON BARRIER FREE 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 SPACES (11B-403.5.3) AT LEAST 60"x60" ARE LOCATED NOT MORE THAN 200' APART. PARTS OF P.O.T. WITH CONTINUOUS GRADIENTS HAVE 60" LEVEL AREAS (11B-403.7) NOT MORE THAN 400' APART. THE CROSS-SLOPE DOES NOT EXCEED 2% AND SLOPE IN THE DIRECTION OF TRAVEL IS LESS THAN 5% UNLESS OTHERWISE INDICATED. (POT) SHALL BE MAINTAINED FREE OF OVERHANGING 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). ARCHITECT SHALL VERIFY PATH OF TRAVEL CONFORMS WITH THE ABOVE. IF GATES OCCUR ALONG PATH OF TRAVEL, THEY MUST COMPLY WITH ACCESSIBLE REQUIREMENTS PER CBC 2013.



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PROJECT OWNER & TITLE

HUENEME ELEMENTARY  
SCHOOL DISTRICT  
HUENEME ELEMENTARY  
SCHOOL-  
NEW RELOCATABLE  
RESTROOM BUILDING  
354 NORTH 3RD STREET  
PORT HUENEME, CA 93041

SHEET TITLE

CODE SITE PLAN

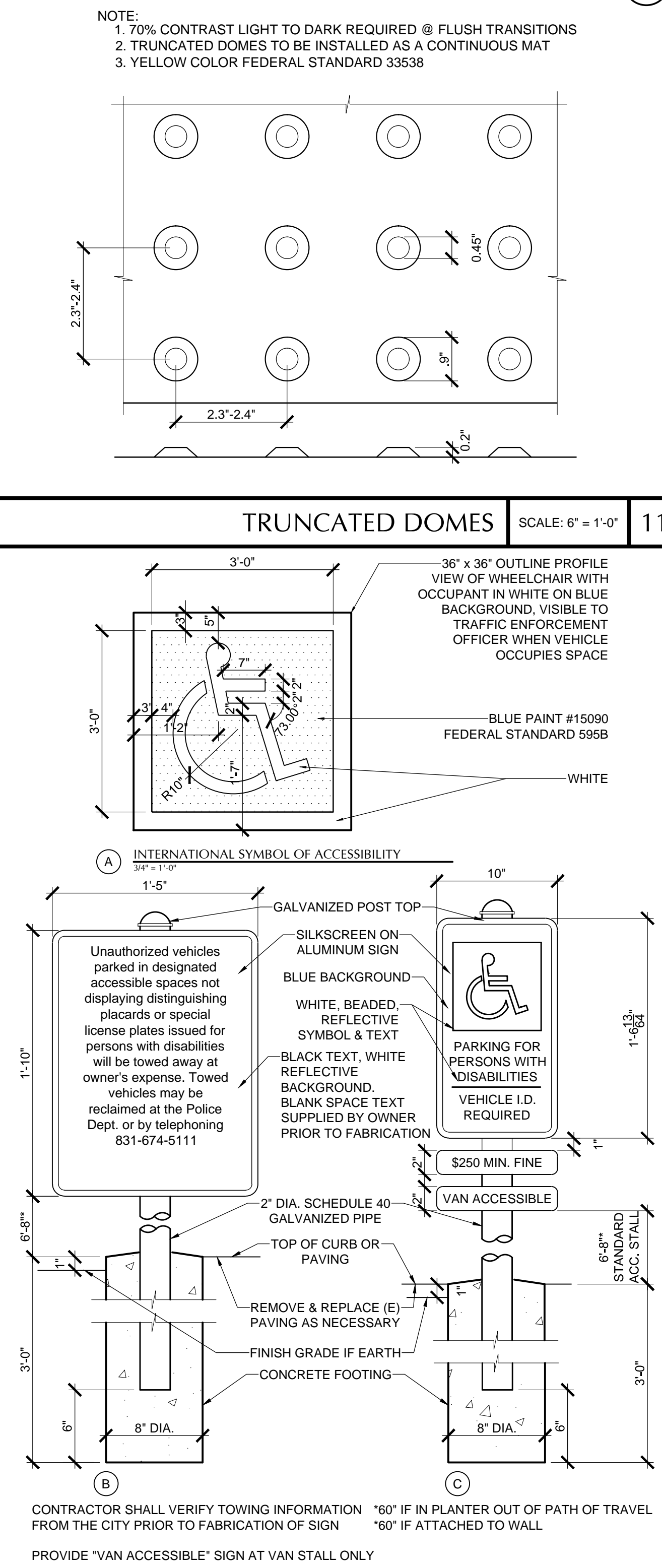
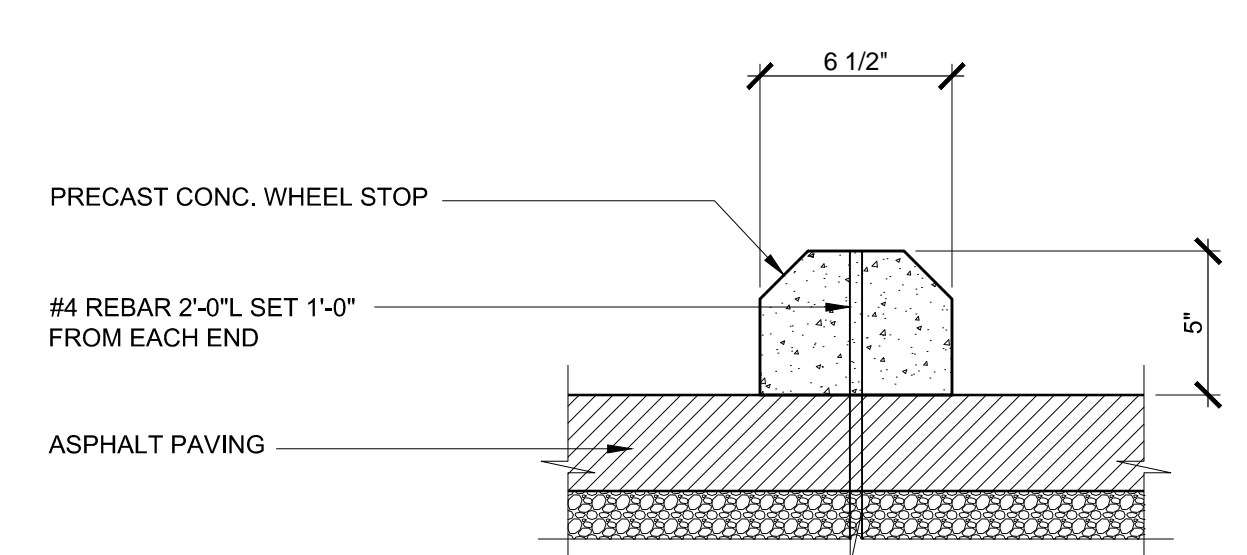
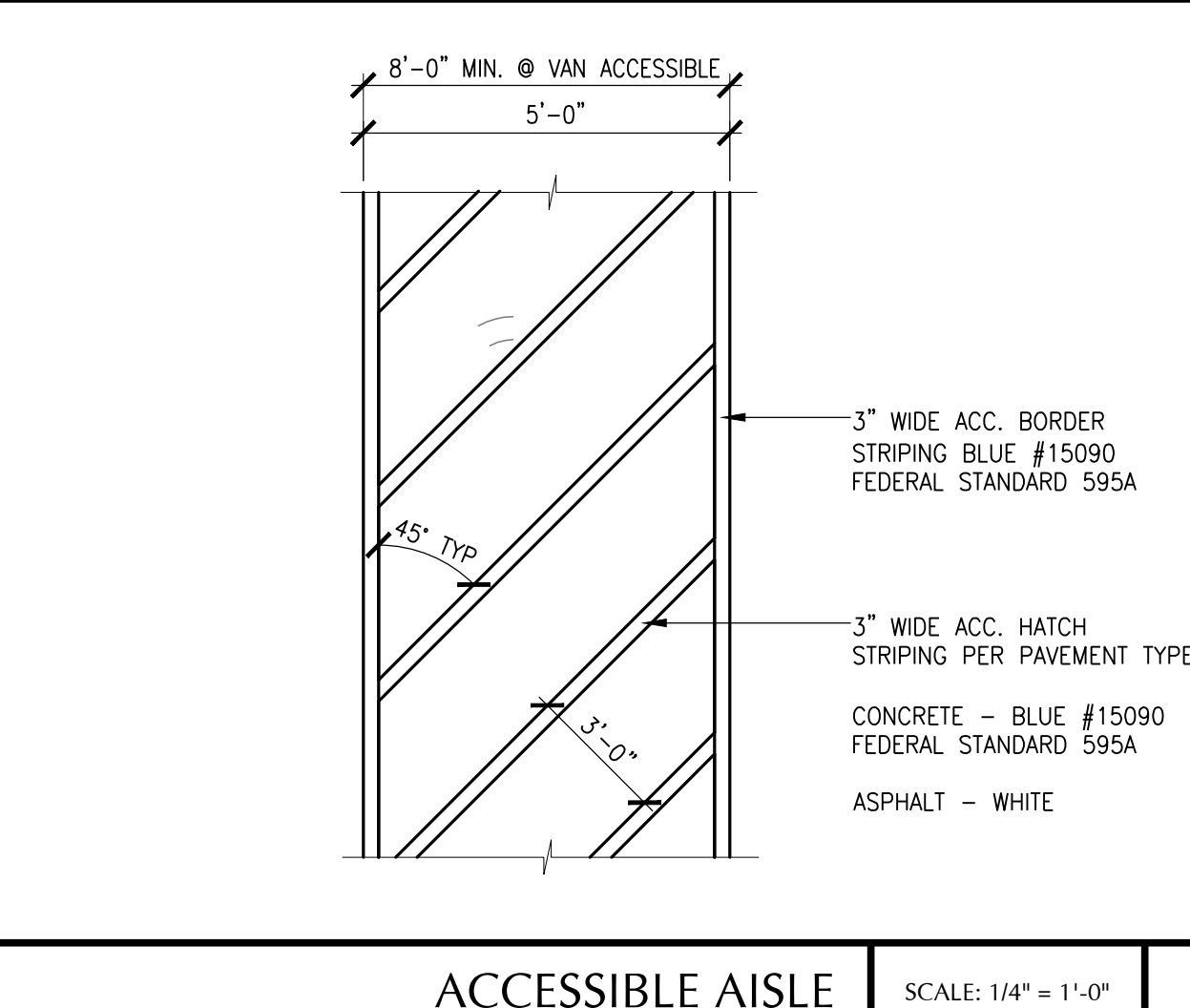
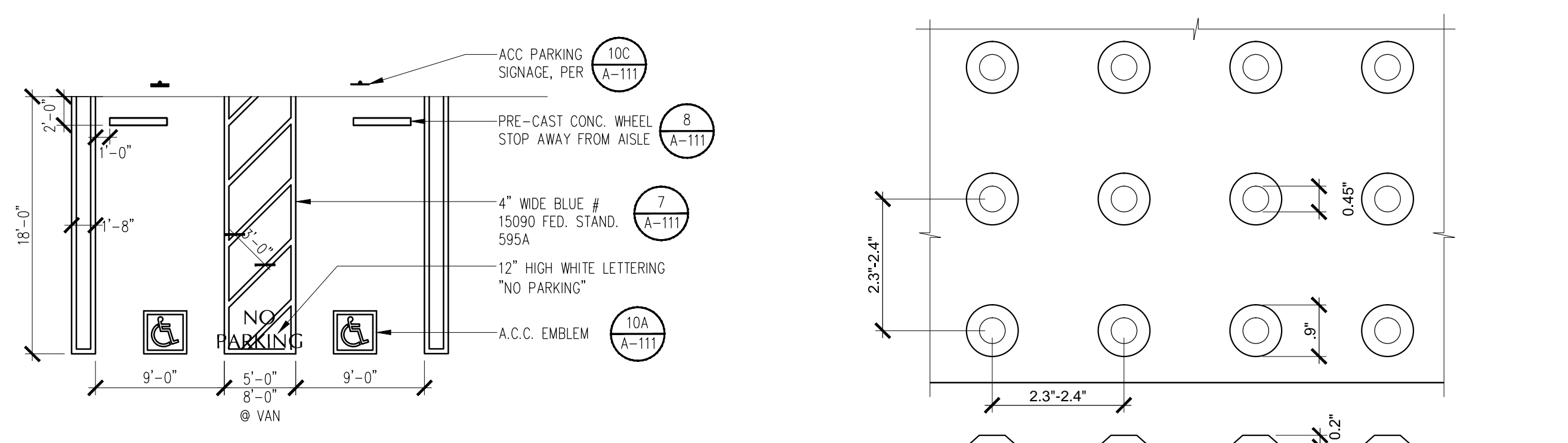
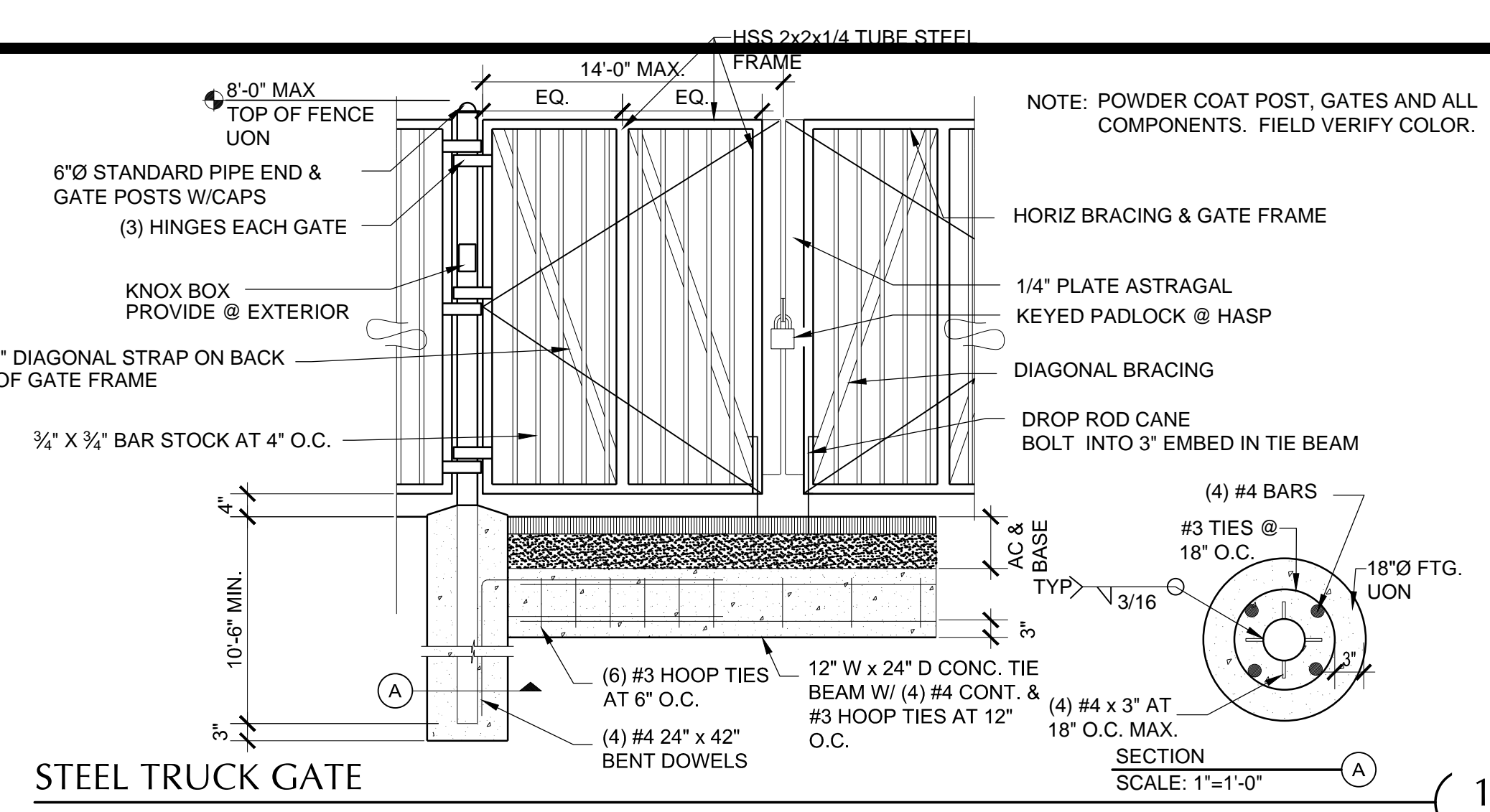
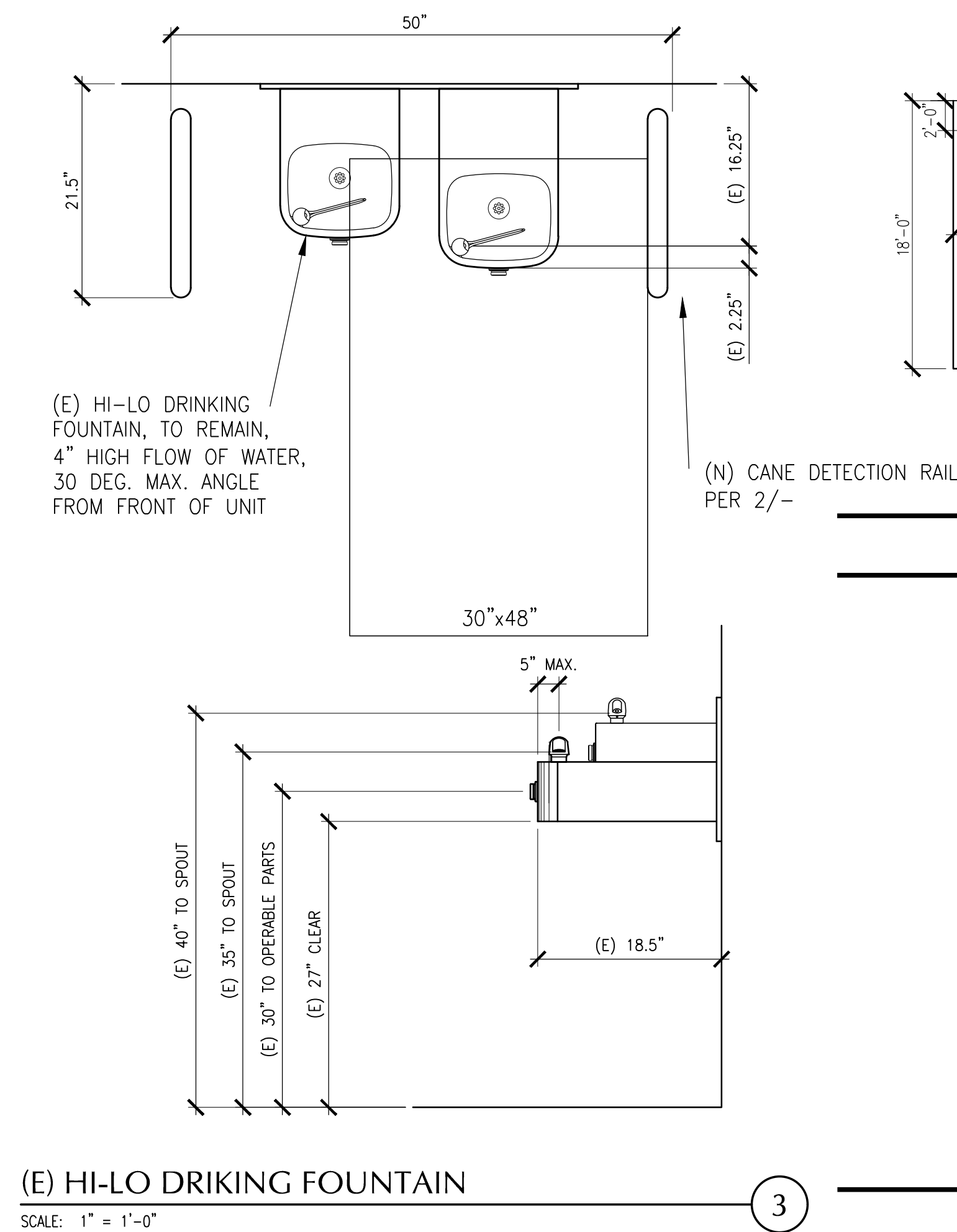
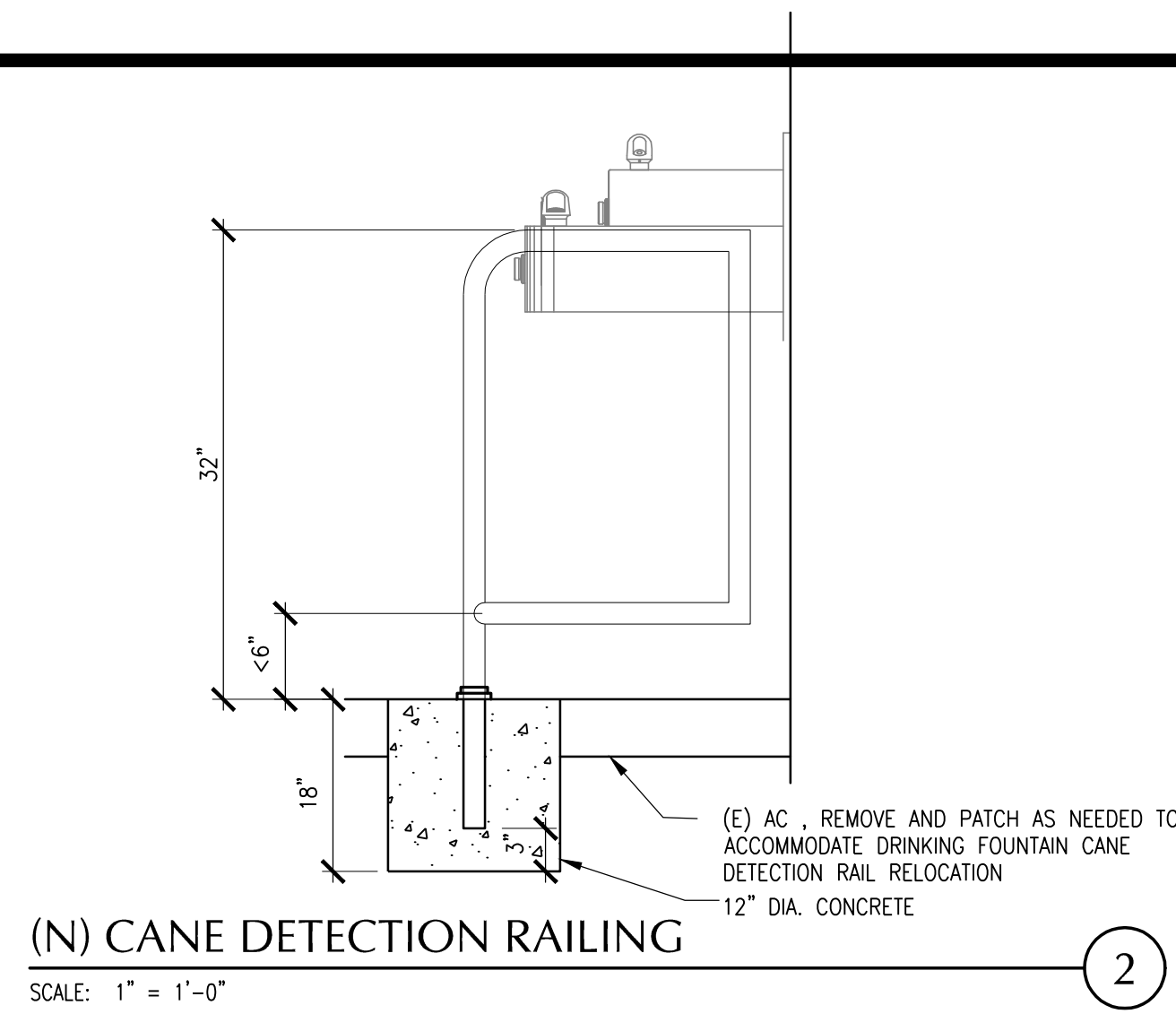
DRAWN BY: MH JOB NUMBER: 18102.01

SHEET NO.

G-002

DATE: JUNE 12, 2019





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## CONSULTANTS

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DATE \_\_\_\_\_

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PROJECT OWNER &amp; TITLE

HUENEME ELEMENTARY  
SCHOOL DISTRICT  
HUENEME ELEMENTARY  
SCHOOL-  
NEW RELOCATABLE  
RESTROOM BUILDING  
354 NORTH 3RD STREET  
PORT HUENEME, CA 93041

SHEET TITL

## SITE DETAILS

DRAWN BY: MH                      JOB NUMBER: 18102.01

SHEET NO.

A-111

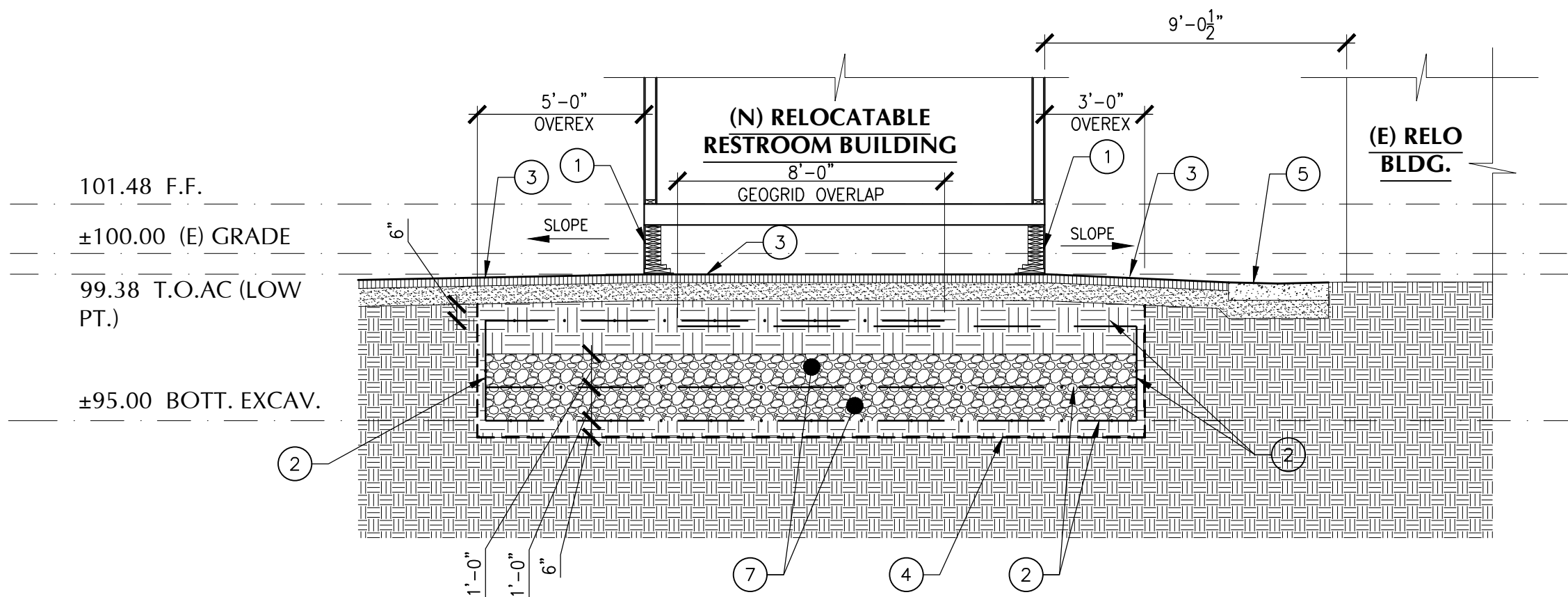
DATE: JUNE 12, 2019



DRAWING NAME: H:\2019\810\201 HESD HUENEME ES RELOCATABLE RR BLDG ADDITION\DRAWINGS\PC OF FILES\A-112.DWG

PLOT DATE: JUN 12, 2019 - 5:32PM

PLOT BY: HARTMAN



SITE-SPECIFIC SECTION  
1/4" = 1'-0"

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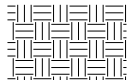
#### ○ NUMBERED NOTES

- 1 WOOD FOUNDATION PER BUILDING MFR. PC A# 04-114135
- 2 GEOGRID PER GEOTECHNICAL REPORT, TENSAR TRI-AXIAL TX160
- 3 AC PAVING OVER BASE PER CIVIL DRAWINGS
- 4 BOTTOM OF 6" SCARIFICATION PER GEOTECHNICAL REPORT
- 5 CONCRETE GUTTER PER CIVIL DRAWINGS
- 6 NOT IN USE
- 7 CLEAN 1" AGGREGATE BASE MATERIAL PER GEOTECHNICAL REPORT (REPORT NO.:19-3-43)
- 8 NOT IN USE

#### GENERAL NOTES

1. SEE CIVIL DRAWINGS AND BUILDING MANUFACTURER DRAWINGS FOR ADDITIONAL INFORMATION.
2. THE BOTTOM OF THE REMEDIAL EXCAVATION SHOULD BE SCARIFIED TO A DEPTH OF 6 INCHES, UNIFORMLY MOISTURE CONDITIONED TO NEAR OPTIMUM MOISTURE CONTENT, AND COMPACTED TO ACHIEVE A RELATIVE COMPACTION OF BETWEEN 90 PERCENT OF THE ASTM D 1557 MAXIMUM DRY DENSITY. SEE RECOMMENDATIONS TO MITIGATE POTENTIAL EFFECTS OF LIQUEFACTION AND RELATED ISSUES ENGINEERING GEOLOGY AND GEOTECHNICAL REPORT BY EARTH SYSTEMS (PROJECT NO.: 302378-001, REPORT NO.: 19-3-43).

#### SYMBOL LEGEND



(E) SOIL, TO REMAIN



OVEREXCAVATION & BACKFILL



802 EAST COTA STREET, SUITE A  
SANTA BARBARA, CA 93103  
TEL (805) 963-1955

#### CONSULTANTS

CIVIL & ELECTRICAL  
ENGINEERS  
ABOVE GRADE ENGINEERING  
245 Higuera Street  
San Luis Obispo, CA 93401  
TEL (805) 540-5115

#### ARCHITECT STAMP

#### CONSULTANT STAMP



**Preliminary**  
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#### AGENCY APPROVAL

IDENTIFICATION STAMP  
DIV. OF THE STATE ARCHITECT  
OFFICE OF REGULATION SERVICES

A# 03-\_\_\_\_\_

AC \_\_\_\_\_ FLS \_\_\_\_\_ SS \_\_\_\_\_

DATE \_\_\_\_\_

#### REVISIONS

THE ARCHITECT DOES NOT REPRESENT THAT THESE PLANS OR THE SPECIFICATIONS ARE SUITABLE FOR ANY SITE OTHER THAN THE ONE FOR WHICH THEY WERE SPECIFICALLY PREPARED. THE ARCHITECT DISCLAIMS RESPONSIBILITY FOR THESE PLANS AND SPECIFICATIONS IF THEY ARE USED IN WHOLE OR IN PART AT ANY OTHER SITE

#### PROJECT OWNER & TITLE

HUENEME ELEMENTARY  
SCHOOL DISTRICT  
HUENEME ELEMENTARY  
SCHOOL-  
NEW RELOCATABLE  
RESTROOM BUILDING  
354 NORTH 3RD STREET  
PORT HUENEME, CA 93041

#### SHEET TITLE

SITE-SPECIFIC  
SECTIONS & NOTES

DRAWN BY: MH

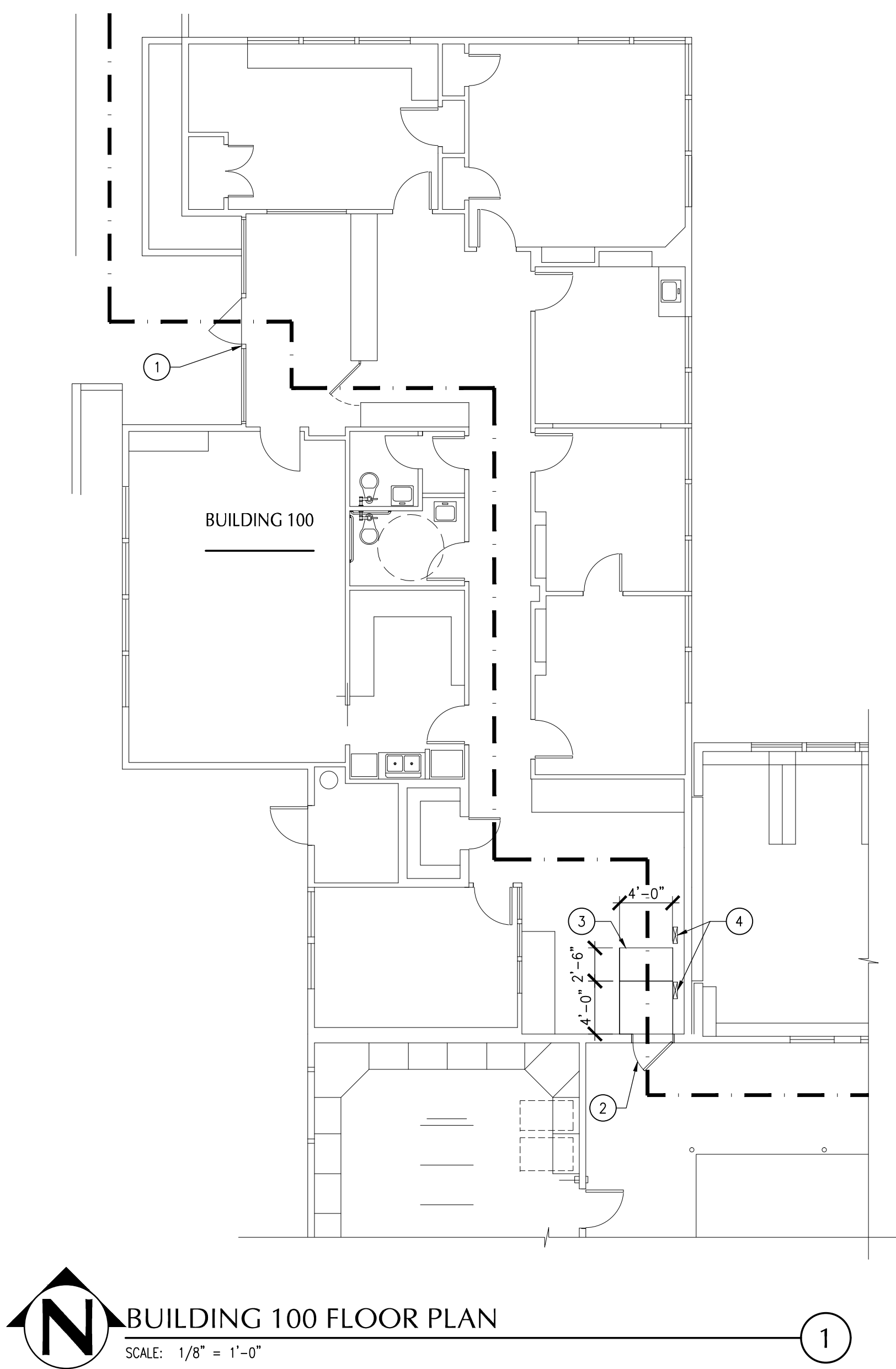
JOB NUMBER: 18102.01

SHEET NO.

**A-112**

DATE: JUNE 12, 2019





KEYNOTES

- 1. (E) ENTRY DOOR, TO REMAIN
- 2. (E) CODE-COMPLIANT METAL DOOR WITH LEVER HARDWARE, TO REMAIN
- 3. (E) NON-COMPLIANT SLOPING METAL THRESHOLD UP TO EXTERIOR LANDING, PROVIDE (N) PREFAB METAL RAMP, FLUSH THRESHOLD, SLOPE 1:12 MAX., DIFFERENCE IN ELEVATION ~2.5" INTO BUILDING 100
- 4. (E) MECHANICAL SUPPLY REGISTERS IN SLAB, PROTECT IN PLACE

LEGEND

--- ACCESSIBLE PATH OF TRAVEL



802 EAST COTA STREET, SUITE A  
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AGENCY APPROVAL

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AC FLS SS  
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PROJECT OWNER & TITLE

HUENEME ELEMENTARY  
SCHOOL DISTRICT  
HUENEME ELEMENTARY  
SCHOOL-  
NEW RELOCATABLE  
RESTROOM BUILDING  
354 NORTH 3RD STREET  
PORT HUENEME, CA 93041

SHEET TITLE

ENLARGED PLANS  
& DETAILS

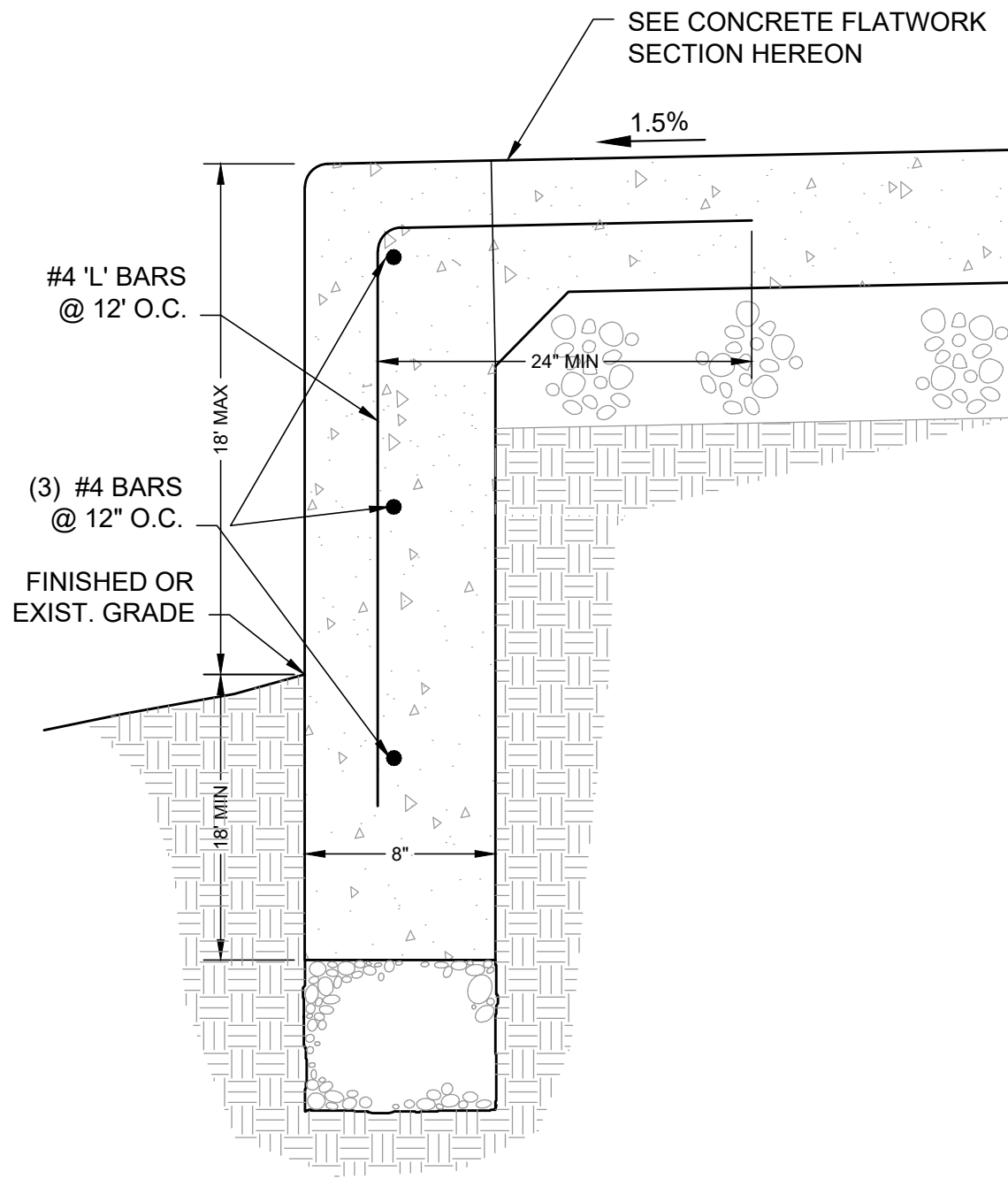
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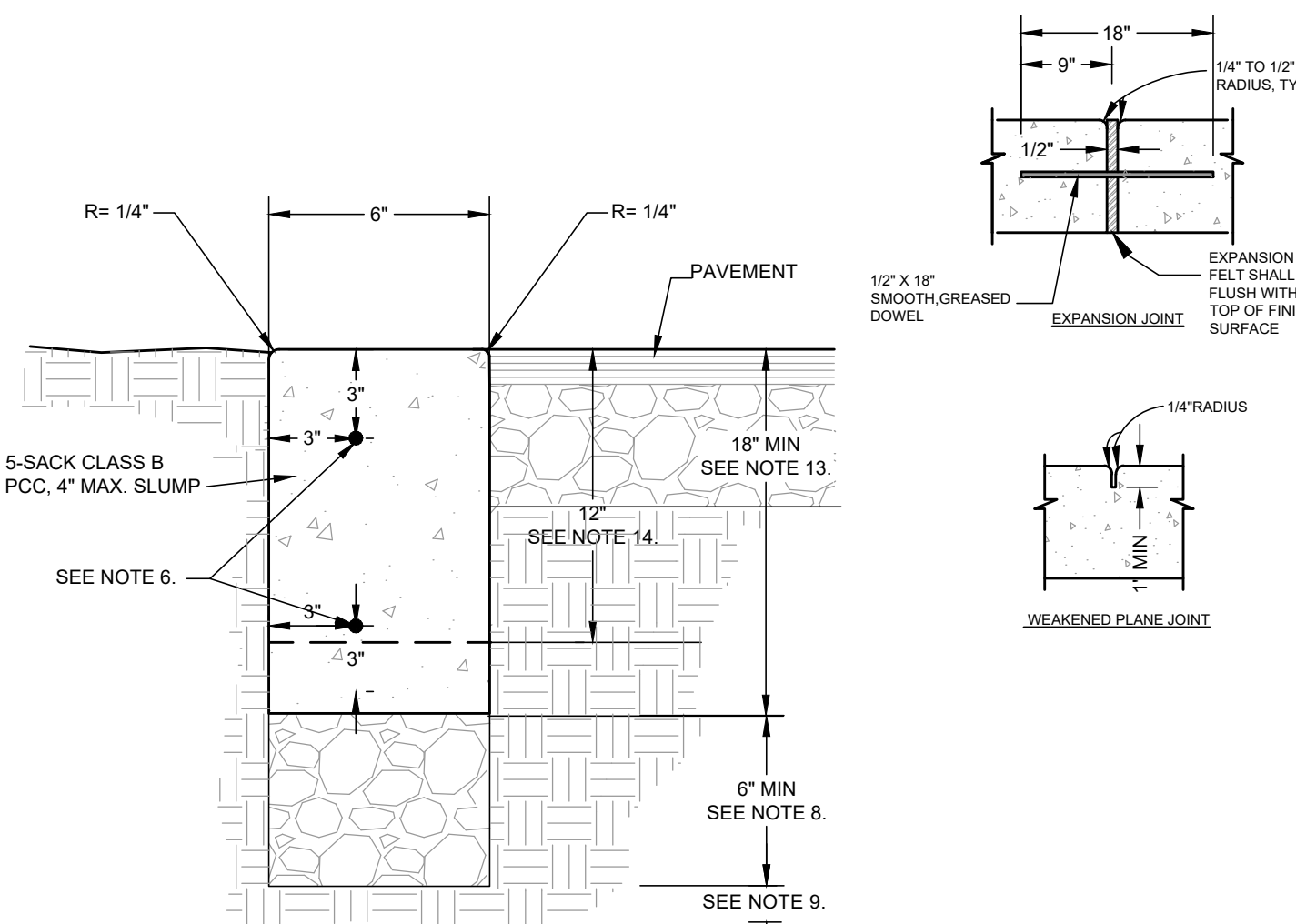
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DATE: JUNE 12, 2019



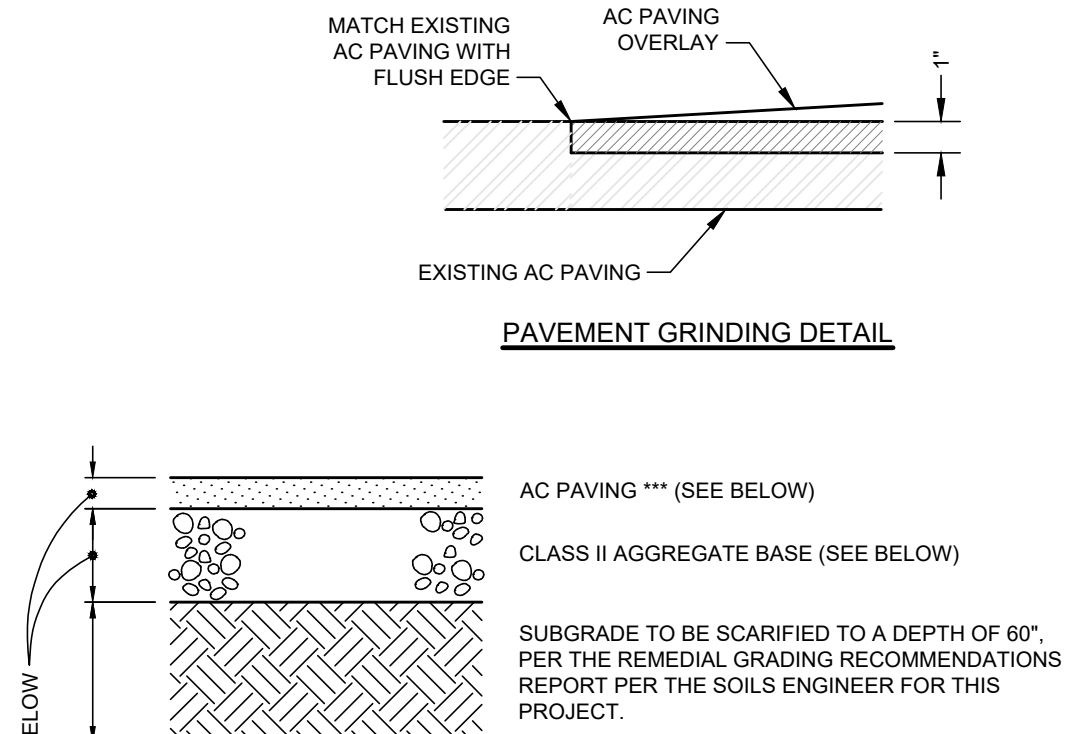


**DEEP FOOTING DETAIL**  
SCALE = NONE



1. CONCRETE: 5 SACK P.C.C. CONCRETE, 2" MIN 4" MAX SLUMP.
2. FINISH: P.C.C. SHALL BE GIVEN A MEDIUM BROOM FINISH.
3. SEALING & CURING: A PIGMENTED SEALING AND CURING COMPOUND SHALL BE USED IN ACCORDANCE WITH THE PROVISIONS OF THE DEPARTMENT OF TRANSPORTATION STANDARDS SPECIFICATIONS.
4. EXPANSION JOINTS (EJ): SHALL BE PLACED AT CURB RETURNS, DRIVEWAYS, STORM DRAIN CATCH BASINS, AROUND UTILITY POLES, AT LONGITUDINAL CURB GUTTER AND SIDEWALK INTERVALS NOT TO EXCEED 30-FEET. THE INTERVALS BETWEEN EXPANSION JOINTS SHALL VARY TO ALLOW MATCHING OF JOINTS IN ADJACENT EXISTING IMPROVEMENTS AS APPLICABLE.
5. WEAKENED PLANE JOINTS (WPJ): SHALL BE A MINIMUM 1-INCH IN DEPTH AND PLACED AT LONGITUDINAL CURB GUTTER AND SIDEWALK INTERVALS NOT EXCEEDING 10-FEET BETWEEN EXPANSION JOINTS. THE INTERVALS BETWEEN WEAKENED PLANE JOINTS SHALL VARY TO ALLOW MATCHING OF JOINTS IN ADJACENT EXISTING IMPROVEMENTS AS APPLICABLE.
6. 1/2" x 18" SMOOTH, GREASED DOWELS SHALL BE PLACED AT ALL EXPANSION JOINTS, TWO IN THE NEW CURB FACE, AND AT 18-INCHES ON CENTER IN NEW SIDEWALK.
7. WHEN PLACED IN SIDEWALKS, BOTH EXPANSION JOINTS AND WEAKENED PLANE JOINTS SHALL EXTEND THROUGH THE ADJACENT CURB.
8. 6" MINIMUM CLASS II AGGREGATE BASE TO 95% RELATIVE COMPACTION OR MATCH BASE THICKNESS REQUIREMENT FOR NEW OR EXISTING ROAD SECTION, WHICHEVER IS GREATEST.
9. SUBGRADE TO BE SCARIFIED TO A DEPTH OF 12" MINIMUM AND RECOMPACT TO 95% RELATIVE COMPACTION.
10. SUBGRADE AND AGGREGATE BASE COMPACTION REQUIREMENTS SHALL EXTEND TO THE BACK OF CURB OR TO THE BACK OF ATTACHED SIDEWALK (WHICHEVER CONDITION IS APPLICABLE).
11. GUTTER CROSS SLOPE SHALL NOT EXCEED 5% ACROSS CURB RAMPS, 2% ACROSS ADA PATH OF TRAVEL AND ADA PARKING, OTHERWISE TYPICAL GUTTER CROSS SLOPE SHALL BE 8% UNLESS OTHERWISE NOTED.
12. UNDER NO CIRCUMSTANCES SHALL UTILITY LIDS AND CONCRETE COLLARS BE LOCATED WITHIN THE CURB & GUTTER.
13. WHEN CURB IS PLACED ADJACENT TO EXISTING OR FUTURE IRRIGATED LANDSCAPE AREA, PCC SHALL EXTEND DOWN AS SHOWN FOR MOISTURE BARRIER.
14. WHEN CURB IS NOT LOCATED AS IN NOTE 13, DEPTH MAY BE REDUCED.

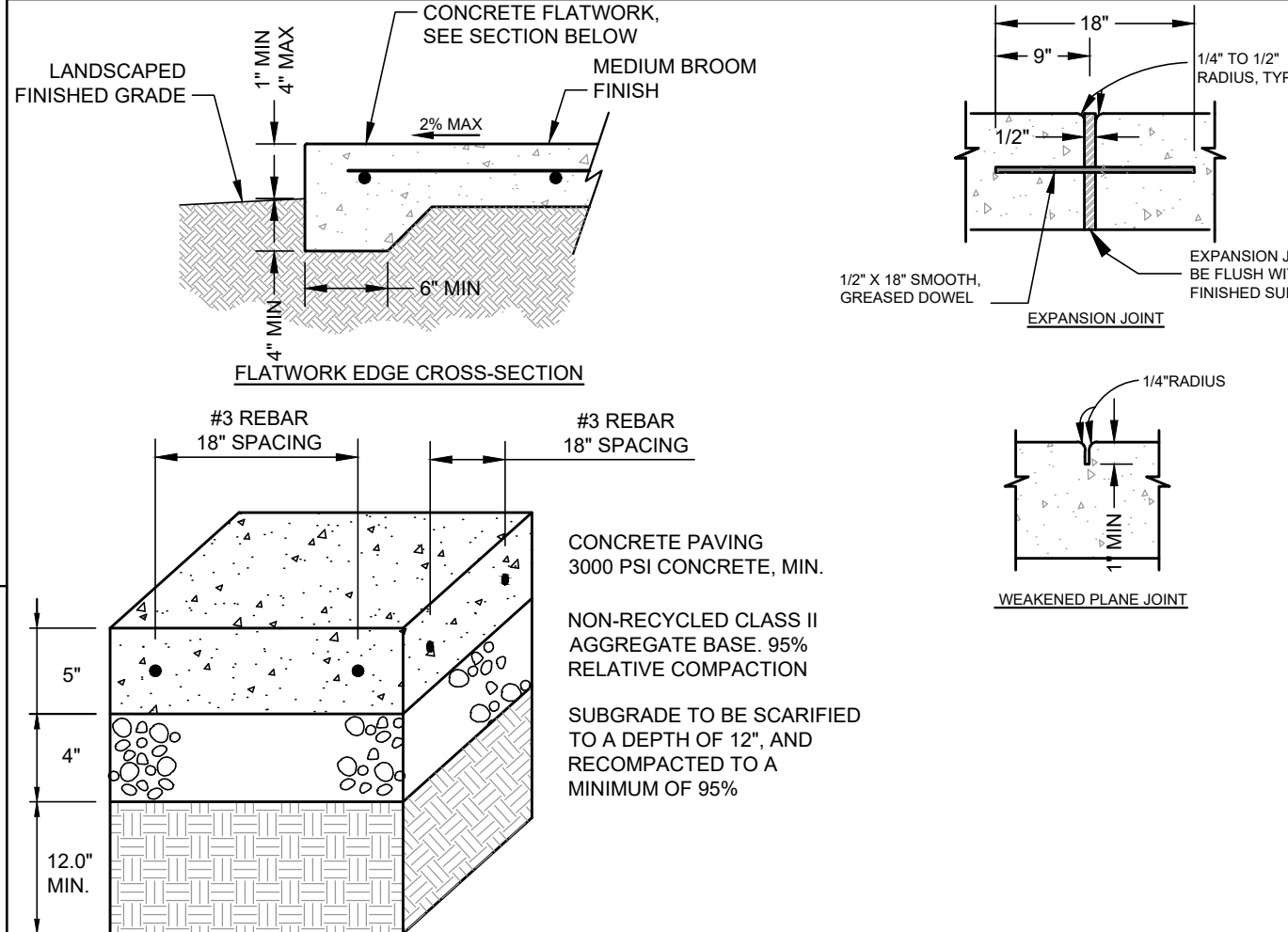
**CONCRETE FLUSH CURB**  
SCALE = NONE



MATERIALS	SECTION THICKNESS	CALTRANS SPECIFICATIONS
ASPHALT CONCRETE SURFACE COURSE	3"	SECTION 39 *
CRUSHED AGGREGATE BASE COURSE	6"	SECTION 26, CLASS 2 *

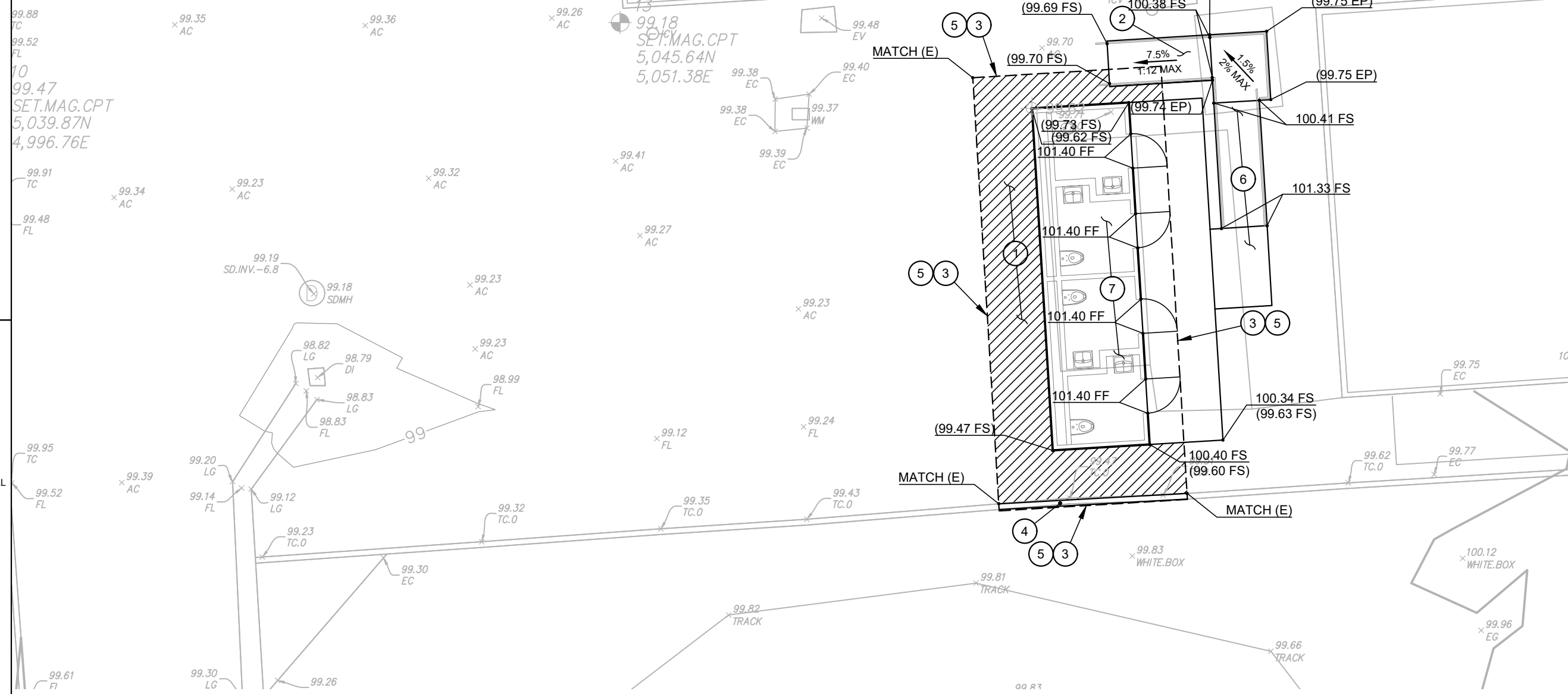
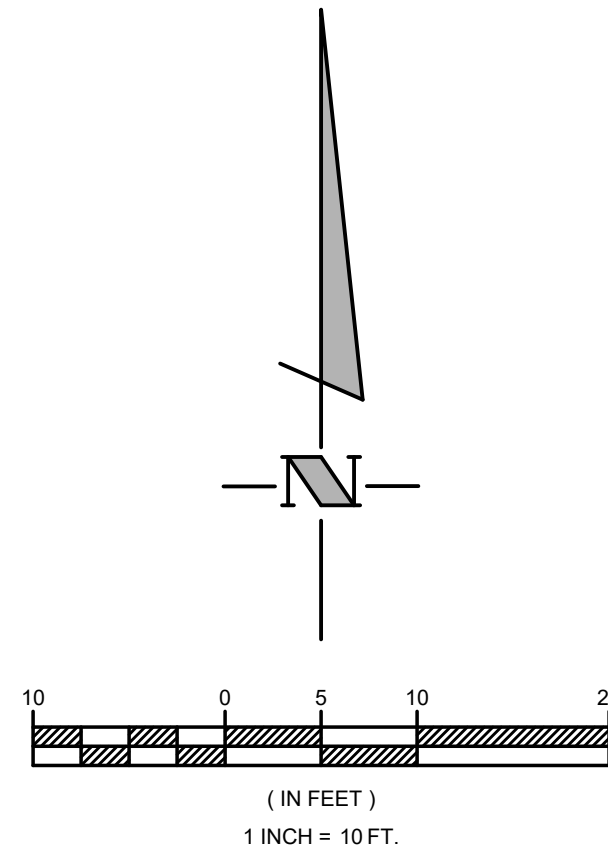
NOTES:  
\* COMPACTION TO A MINIMUM DENSITY OF 95 PERCENT  
\*\* PAVEMENT SECTION IS TO BE BASED ON A T.I. OF 4.0. ACTUAL SECTION SHALL BE DETERMINED BY R-VALUES TAKEN DURING CONSTRUCTION.  
\*\*\* CROSS SLOPES NOT TO EXCEED 2% ON ALL WALKWAYS, AND NOT TO EXCEED 2% IN ANY DIRECTION IN PLAZA AREAS.

**AC PAVING SECTION**  
SCALE = NONE



1. CONCRETE: 5 SACK P.C.C. CONCRETE, 2" MIN 4" MAX SLUMP.
2. FINISH: P.C.C. SHALL BE GIVEN A MEDIUM BROOM FINISH.
3. SEALING & CURING: A PIGMENTED SEALING AND CURING COMPOUND SHALL BE USED IN ACCORDANCE WITH THE PROVISIONS OF THE DEPARTMENT OF TRANSPORTATION STANDARDS SPECIFICATIONS.
4. EXPANSION JOINTS (EJ): SHALL BE PLACED AT CURB RETURNS, DRIVEWAYS, STORM DRAIN CATCH BASINS, AROUND UTILITY POLES, AT LONGITUDINAL CURB GUTTER AND SIDEWALK INTERVALS NOT TO EXCEED 30-FEET. THE INTERVALS BETWEEN EXPANSION JOINTS SHALL VARY TO ALLOW MATCHING OF JOINTS IN ADJACENT EXISTING IMPROVEMENTS AS APPLICABLE.
5. WEAKENED PLANE JOINTS (WPJ): SHALL BE A MINIMUM 1-INCH IN DEPTH AND PLACED AT LONGITUDINAL CURB GUTTER AND SIDEWALK INTERVALS NOT EXCEEDING 10-FEET BETWEEN EXPANSION JOINTS. THE INTERVALS BETWEEN WEAKENED PLANE JOINTS SHALL VARY TO ALLOW MATCHING OF JOINTS IN ADJACENT EXISTING IMPROVEMENTS AS APPLICABLE.
6. 1/2" x 18" SMOOTH, GREASED DOWELS SHALL BE PLACED AT ALL EXPANSION JOINTS, AND AT 18-INCHES ON CENTER IN NEW SIDEWALK.
7. WHEN PLACED IN SIDEWALKS, BOTH EXPANSION JOINTS AND WEAKENED PLANE JOINTS SHALL EXTEND THROUGH THE ADJACENT CURB AND GUTTER.
8. 4" MINIMUM CLASS II AGGREGATE BASE TO 95% RELATIVE COMPACTION OR MATCH BASE THICKNESS REQUIREMENT FOR NEW OR EXISTING SIDEWALK, WHICHEVER IS GREATEST.
9. SUBGRADE TO BE SCARIFIED TO A DEPTH OF 12" MINIMUM AND RECOMPACTED TO 95% RELATIVE COMPACTION.
10. THE CROSS SLOPE OF THE SIDEWALK SHALL NOT EXCEED 2% (1/4-INCH PER 12-INCHES), 1.5% (3/16-INCH PER 12-INCHES) IS RECOMMENDED. LONGITUDINAL SLOPE SHALL NOT EXCEED 3%.
11. THE SIDEWALK SHALL BE WIDENED WHERE REQUIRED TO ALLOW FOR A MINIMUM 4-FOOT CLEAR PASSAGE AROUND ALL ABOVE GRADE OBSTACLES LOCATED WITHIN THE SIDEWALK.
12. TYPICAL SECTION SHALL BE:  
[Diagram showing a cross-section of a sidewalk with a 5-inch min PCC (6-inch or 8-inch when within a driveway), over 4-inch min class II aggregate base to 95% relative compaction, and 12-inch min subgrade to 85% relative compaction. If the R-value of the native material is 55 or greater than the 4-inch of aggregate base under the sidewalk only may be substituted with compacted native material.]

**CONCRETE FLATWORK PEDESTRIAN**  
SCALE = NONE



#### ① SPECIFIC CONSTRUCTION NOTES:

1. CONSTRUCT ASPHALT PAVEMENT (AC) LIGHT TRAFFIC PER DETAIL.
2. CONSTRUCT CONCRETE RAMP WITH RAILINGS PER CONCRETE FLATWORK DETAIL WITH DEEP FOOTING WHERE REQUIRED. REFER TO ARCHITECTURAL PLAN FOR RAILING PLACEMENT AND DETAILS.
3. LIMITS OF OVER-EXCAVATION PER THE SOILS ENGINEER REPORT. CONTRACTOR TO COORDINATE WITH SOILS ENGINEER PRIOR TO CONSTRUCTION.
4. CONSTRUCT CONCRETE FLUSH CURB SECTION PER DETAIL.
5. MATCH EXISTING. CONTRACTOR TO VERIFY MATCH LOCATION AND ELEVATION PRIOR TO CONSTRUCTION TO ENSURE THEY ARE CONSISTENT WITH PLAN. CONTACT ENGINEER OF RECORD IF DISCREPANCIES ARISE.
6. PRE-MANUFACTURED RAMP PER RELO RESTROOM DRAWINGS.
7. PRE-MANUFACTURED RELO RESTROOM BUILDING PER RELO RESTROOM DRAWINGS.

#### OVER-EXCAVATION REQUIREMENTS:

- WITHIN THE LIMITS OF OVER-EXCAVATION AS SHOWN HEREON, CONTRACTOR IS TO FOLLOW THE RECOMMENDATIONS OF THE REMEDIAL GRADING RECOMMENDATIONS REPORT FROM THE SOILS ENGINEER WHICH CALLS FOR A MINIMUM 60" OVER-EXCAVATION.
- THE LIMITS OF OVER-EXCAVATION SHOULD BE EXTENDED Laterally TO A DISTANCE OF AT LEAST 5 FEET BEYOND THE OUTSIDE EDGE OF THE FOUNDATION ELEMENT WHEREVER NO EXISTING STRUCTURES ARE LOCATED WITHIN 10-FEET OF THE OUTSIDE EDGE OF THE OVER-EXCAVATION ZONE.
- WHERE ADJACENT STRUCTURES ARE WITHIN 10-FEET, THE OVER-EXCAVATION WIDTH COULD BE REDUCED TO 3-FEET OUTSIDE THE BUILDING PERIMETER IN THAT DIRECTION ONLY.

#### SOILS ENGINEER INFORMATION:

THE SOILS ENGINEER FOR THIS PROJECT IS:  
EARTH SYSTEMS  
1731 WALTER STREET, SUITE A  
VENTURA, CA 93003  
805.642.6727

THE GEOHAZARDS REPORT FOR THIS PROJECT IS DATED SEPTEMBER 13, 2018, PROJECT NO. 302380-001. THE REMEDIAL GRADING RECOMMENDATIONS FOR THIS PROJECT IS DATED MARCH 11, 2019. THE STRUCTURAL SECTION RECOMMENDATIONS FOR THIS PROJECT IS DATED MARCH 24, 2019.

NOTE: A PAD CERTIFICATION FOR THIS PROJECT WILL BE REQUIRED. A SOILS OR CIVIL ENGINEER IS TO DETERMINE GRADING PERFORMED IS IN SUBSTANTIAL CONFORMANCE WITH THE APPROVED PLANS AND IS SUITABLE TO SUPPORT THE INTENDED STRUCTURE. A SOILS ENGINEER WILL NEED TO BE ON-SITE TO OBSERVE CERTAIN CONSTRUCTION ACTIVITIES.

**PMSM**  
**ARCHITECTS**

**19-6**  
**ARCHITECTS**

802 EAST COTA STREET, SUITE A  
SANTA BARBARA, CA 93103  
TEL (805) 963-1955

#### CONSULTANTS

**CIVIL & ELECTRICAL**  
**ENGINEER**  
ABOVE GRADE ENGINEERING  
245 Higuera Street  
San Luis Obispo, CA 93401  
TEL (805) 540-5115

#### ARCHITECT STAMP CONSULTANT STAMP



#### AGENCY APPROVAL

IDENTIFICATION STAMP  
DIV. OF THE STATE ARCHITECT  
OFFICE OF REGULATION SERVICES

A# 03-\_\_\_\_\_  
AC FL SS \_\_\_\_\_  
DATE \_\_\_\_\_

#### REVISIONS

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#### PROJECT OWNER & TITLE

**HUENEME ELEMENTARY**  
**SCHOOL DISTRICT**

**HUENEME ELEMENTARY**  
**SCHOOL-**  
**RELOCATABLE RESTROOM**  
**BUILDING ADDITION**  
354 NORTH 3RD STREET  
PORT HUENEME, CA 93041

#### SHEET TITLE

**GRADING & DRAINAGE PLAN**

DRAWN BY: JOB NUMBER: 18102.01

#### SHEET NO.

**C-1.01**

DATE: FEBRUARY 26, 2019







GENERAL NOTES:

1. COMPLIANCE: ALL WORK, PRODUCTS, AND INSTALLATION SHALL COMPLY WITH ALL APPLICABLE LAWS, CODES, GOVERNMENT REGULATIONS, UTILITY COMPANY REQUIREMENTS, ETC., OF ALL AUTHORITIES HAVING JURISDICTION IN EFFECT AT THE TIME OF THE BUILDING PERMIT. WORK SHALL COMPLY WITH (BUT IS NOT LIMITED TO) THE FOLLOWING CODES, STANDARDS AND ORGANIZATIONS:

A. CALIFORNIA CODE OF REGULATIONS, TITLE 24 (2016 EDITION) INCLUDING CALIFORNIA ELECTRICAL CODE BASED ON THE 2014 NATIONAL ELECTRIC CODE, CALIFORNIA FIRE CODE BASED ON THE 2015 INTERNATIONAL FIRE CODE, CALIFORNIA ENERGY CODE, CALIFORNIA BUILDING CODE BASED ON THE 2015 INTERNATIONAL BUILDING CODE, AND THE CALIFORNIA RESIDENTIAL CODE (WHERE APPLICABLE) BASED ON THE 2015 INTERNATIONAL RESIDENTIAL CODE.

B. NFPA

C. UNDERWRITERS LABORATORY (UL), IRI, FM

D. IESNA

E. AMERICANS WITH DISABILITIES ACT (ADA).

WHERE CONFLICTS EXIST BETWEEN CODES, STANDARDS OR THIS SPECIFICATION, THE HIGHER REQUIREMENT SHALL APPLY. DEVIATIONS FROM THE CONTRACT DOCUMENTS REQUIRED BY THE ABOVE AUTHORITIES SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PRIOR TO INSTALLATION.

2. SAFETY: THE ELECTRICAL CONTRACTOR IS RESPONSIBLE TO MAINTAIN ALL EQUIPMENT IN A SAFE AND RESPONSIBLE MANNER. KEEP DEED FRONT EQUIPMENT IN PLACE WHILE EQUIPMENT IS ENERGIZED. CONDUCT ALL CONSTRUCTION OPERATIONS IN A SAFE MANNER FOR EMPLOYEES AS WELL AS OTHER WORKERS OR ANYONE VISITING THE JOB SITE. PROVIDE BARRIERS, FLAGS, TAPE, ETC. AS REQUIRED FOR SAFETY. THE CONTRACTOR SHALL HOLD ALL PARTIES HARMLESS OF OR INJURY TO OTHERS ON OR NEAR THE PROJECT SITE DUE TO NEGLIGENT SAFETY PRACTICES. CONFORM TO ALL GENERAL AND SPECIAL CONDITIONS OF CONTRACT AS SPECIFIED BY ARCHITECT AND/OR OWNER.

THE ELECTRICAL CONTRACTOR IS SOLELY RESPONSIBLE FOR THE SAFETY OF HIS WORKERS. ALL CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES AND PROCEDURES FOR COORDINATING THE WORK UNDER THIS CONTRACT MAINTAIN THE CONSTRUCTION PREMISES IN A NEAT AND ORDERLY CONDITION. CONTRACTOR SHALL PROTECT THEIR WORK AND EXISTING OR ADJACENT PROPERTY AGAINST WEATHER TO MAINTAIN THEIR WORK. MATERIALS, APPARATUS AND FIXTURES FREE FROM INJURY OR DAMAGE. ANY WORK DAMAGED BY FAILURE TO PROVIDE PROTECTION REQUIRED SHALL BE REMOVED AND REPLACED WITH NEW WORK AT THE CONTRACTOR'S EXPENSE.

3. MOUNTING HEIGHTS SHALL BE AS FOLLOWS UNLESS OTHERWISE NOTED:

• RECEPTACLES, TELEPHONE, TV & DATA OUTLETS: +15" AFF (MEASURED BOTTOM OF OUTLET BOX)

• OUTLET ABOVE COUNTER: +48" AFF (MEASURED TOP OF OUTLET BOX)

• LIGHT SWITCHES: +48" AFF (MEASURED TOP OF OUTLET BOX)

• FIRE ALARM MANUAL PULL STATIONS & T-STATS: +48" AFF (MEASURED TOP OF OUTLET BOX)

• FIRE ALARM VISUALS: THE LOWER OF +48" AFF TO BOTTOM OF LENS, OR 6" BELOW CEILING.

ACCESSIBILITY REACH RANGES (CIBC 11B-308)

GENERAL REACH RANGES:

• ELECTRICAL SWITCHES, CONTROLS AND SWITCHES INTENDED TO BE USED BY THE OCCUPANT OF THE ROOM OR AREA TO CONTROL LIGHT AND RECEPTACLE OUTLETS, APPLIANCES OR COOLING, HEATING AND VENTILATING EQUIPMENT, SHALL BE LOCATED NO MORE THAN 48 INCHES MEASURED FROM THE TOP OF THE OUTLET BOX NOR LESS THAN 15 INCHES MEASURED FROM THE BOTTOM OF THE OUTLET BOX TO THE LEVEL OF THE FINISH FLOOR OR WORKING PLATFORM. (CIBC 11B-308.1.1)

• ELECTRICAL RECEPTACLE OUTLETS: ELECTRICAL RECEPTACLE OUTLETS ON BRANCH CIRCUITS OF 30 AMPERES OR LESS AND COMMUNICATION SYSTEM RECEPTACLES SHALL BE LOCATED NO MORE THAN 48 INCHES MEASURED FROM THE TOP OF THE RECEPTACLE OUTLET BOX OR RECEPTACLE HOUSING NOR LESS THAN 15 INCHES MEASURED FROM THE BOTTOM OF THE RECEPTACLE OUTLET BOX OR RECEPTACLE HOUSING TO THE LEVEL OF THE FINISH FLOOR OR WORKING PLATFORM (CIBC 11B-308.1.2)

FORWARD REACH RANGES:

• HIGH FORWARD REACH THAT IS UNOBSTRUCTED SHALL BE 48 INCHES MAXIMUM AND THE LOW FORWARD REACH SHALL BE 15 INCHES MINIMUM ABOVE THE FINISH FLOOR OR GROUND. (CIBC 11B-308.2.1)

• HIGH FORWARD REACH THAT IS OVER AN OBSTRUCTION SHALL BE 48 INCHES MAXIMUM WHERE THE REACH DEPTH IS 20 INCHES OR LESS AND 44 INCHES MAXIMUM WHERE THE REACH DEPTH EXCEEDS 20 INCHES. HIGH FORWARD REACH SHALL NOT EXCEED 25 INCHES IN DEPTH. (CIBC 11B-308.2.2)

SIDE REACH RANGES:

• HIGH SIDE REACH WHERE THE SIDE REACH IS UNOBSTRUCTED OR THE DEPTH OF ANY OBSTRUCTION DOES NOT EXCEED 10 INCHES SHALL BE 48 INCHES MAXIMUM AND THE LOW SIDE REACH SHALL BE 15 INCHES MINIMUM ABOVE THE FINISH FLOOR. (CIBC 11B-308.3.1)

• HIGH SIDE REACH WHERE THE HIGH SIDE REACH IS OVER AN OBSTRUCTION MORE THAN 10 INCHES BUT NOT MORE THAN 24 INCHES IN DEPTH SHALL BE 48 INCHES MAXIMUM ABOVE THE FINISH FLOOR OR GROUND. (CIBC 11B-308.3.2)

• OBSTRUCTIONS FOR HIGH SIDE REACH SHALL NOT EXCEED 34 INCHES IN HEIGHT AND 24 INCHES IN DEPTH. (CIBC 11B-308.3.2)

BEFORE ROUGH-IN, VERIFY ALL MOUNTING HEIGHTS AND EXACT LOCATIONS FOR ALL EQUIPMENT ELECTRICAL CONNECTIONS, STUD-UPS, RECEPTACLES, OUTLETS, ETC. WITH ARCHITECT OR OWNER. PLACE DEVICES LOCATED ABOVE COUNTERS, SHELVEING, ETC. AND IN BATHROOMS SO AS NOT TO CONFLICT WITH EDGES OF WAINSCOTTING, COUNTER SPLASH, SHELVEING, ETC. ARCHITECTURAL SHEETS SHALL GOVERN.

4. FIRE RATED ASSEMBLIES SHALL MAINTAIN RATINGS AS SPECIFIED IN THE CALIFORNIA BUILDING CODE CHAPTER 7. CONTRACTOR SHALL PROVIDE AND INSTALL PHYSICAL ENCLOSURE AROUND FIXTURES, PANELS, ETC. AS REQUIRED. ALL ASSEMBLIES TO BE PENETRATED SHALL BE INSTALLED WITH APPLICABLE THROUGH-PENETRATION FIRESTOP SYSTEM AS DETERMINED BY UL CLASSIFICATION. BEFORE CONSTRUCTION, VERIFY AND COMPLY WITH REQUIREMENTS OF LOCAL AUTHORITY HAVING JURISDICTION.

5. LABEL PANELS, CABINETS, BACKBOARDS, MAIN DEVICES, SAFETY SWITCHES, CONTACTORS AND OTHER SPECIALLY DESIGNATED EQUIPMENT SHOWN ON PLANS. USE ENGRAVED LAMINATED PLASTIC NAMEPLATES ATTACHED BY SCREWS OR RIVETS. FOR FEEDERS, NEATLY AND INDIVIDUALLY LABEL CONDUIT DESTINATIONS ON BOTH VISIBLE ENDS OF CONDUIT RUNS WHERE CONDUITS TERMINATE AT DESIGNATED ENCLOSURES, STRUCTURES OR EQUIPMENT (INCLUDING PULL AND SPLICE BOXES).

6. PANELBOARDS SHALL BE PROVIDED WITH A CIRCUIT DIRECTORY IDENTIFYING EACH BRANCH CIRCUIT, AND SWITCHBOARDS SHALL BE PROVIDED WITH CIRCUIT IDENTIFICATION FOR EACH SWITCH OR CIRCUIT BREAKER PER 2016 CEC 408.4(A). FEEDERS SHALL BE MARKED TO INDICATE WHERE THE POWER SUPPLY ORIGINATES PER 2016 CEC 408.4(B).

7. PRIOR TO ROUGH-IN: VERIFY ALL ELECTRICAL EQUIPMENT CONNECTIONS, MOUNTING HEIGHTS, STUD UPS, ETC. WITH ARCHITECT OR OWNER. ARCHITECTURAL SHEETS SHALL GOVERN. PLACE DEVICES TO AVOID CONFLICT WITH COUNTERS, SHELVEING, ETC.

8. PULLROPS: ANY RACEWAY WITHOUT CABLE OR WIRE SHALL BE INSTALLED WITH MINIMUM 200 POUND TEST PULL LINE AND LARGER IF REQUIRED BY SERVING UTILITY COMPANY. ANY NEW OR EXISTING COMMUNICATION OR SIGNAL RACEWAY ROUTED BETWEEN BUILDINGS, SIGNAL CABINETS, AND/OR SIGNAL CLOSETS WITH FUTURE CAPACITY SHALL BE INSTALLED WITH MINIMUM 200 POUND TEST PULL LINE IN ADDITION TO THE SPECIFIED CABLE.

9. RACEWAYS, CABLE ASSEMBLIES, BOXES, CABINETS, AND FITTINGS SHALL BE SECURELY FASTENED IN PLACE. SUPPORT WIRES THAT DO NOT PROVIDE SECURE SUPPORT SHALL NOT BE PERMITTED AS THE SOLE SUPPORT. SUPPORT WIRES AND ASSOCIATED FITTINGS THAT PROVIDE SECURE SUPPORT AND THAT ARE INSTALLED IN ADDITION TO THE CEILING GRID SUPPORT WIRES SHALL BE SECURED AT BOTH ENDS. CABLES AND RACEWAYS SHALL NOT BE SUPPORTED BY CEILING GRIDS. PER 2016 CEC ARTICLE 300.11.

10. POWER, CONTROL, SIGNAL, AND COMMUNICATION CONDUCTOR / CABLE INSULATION TYPE SHALL BE USED FOR THE PROPER ENVIRONMENTAL APPLICATION (I.E., WATERPROOF, WET LOCATION, PLENUM, TEMPERATURE RATED).

11. ALL CONDUCTORS, WIRING, CABLE WHERE INSTALLED BELOW FLOOR, SLAB OR UNDERGROUND SHALL BE CONSIDERED WET LOCATIONS, AND SHALL BE RATED ACCORDINGLY. NON WATERPROOF CABLEING IS NOT ALLOWED IN ANY BELOW GRADE OR WET APPLICATION.

12. WIRING METHODS: ONLY C.E.C. RECOGNIZED METHODS OF WIRING SHALL BE PERMITTED TO BE INSTALLED IN ANY TYPE OF BUILDING OR OCCUPANCY (2016 CEC 110.8).

A. COMMERCIAL OCCUPANCY: MINIMUM EMT, RIGID, FLEX, PVC AS APPLICABLE TO LOCATION

B. RESIDENTIAL OCCUPANCY: TYPE "NM" CABLE (ROMEX) ALLOWED WHERE PERMITTED BY 2016 CEC 334.

13. EQUIPMENT ANCHORAGE AND BRACING NOTES:

I. ALL ELECTRICAL AND MECHANICAL EQUIPMENT SHALL BE ANCHORED OR BRACED TO MEET THE HORIZONTAL AND VERTICAL FORCES PRESCRIBED IN THE 2016 CBC, SECTION 1616A.1.18 THROUGH 1616A.1.26 AND ASCE 7-10 CHAPTERS 13, 26, AND 30.

II. ALL PERMANENT EQUIPMENT AND COMPONENTS.

a. TEMPORARY OR MOVABLE EQUIPMENT THAT IS PERMANENTLY ATTACHED (E.G. HARD WIRED) TO THE BUILDING UTILITY SERVICES SUCH AS ELECTRICITY, GAS, OR WATER.

b. MOVABLE EQUIPMENT WHICH IS STATIONED IN ONE PLACE FOR MORE THAN 8 HOURS AND HEAVIER THAN 400 POUNDS ARE REQUIRED TO BE ANCHORED WITH TEMPORARY ATTACHMENTS.

III. THE ATTACHMENT OF THE FOLLOWING ITEMS SHALL BE DESIGNED TO RESIST THE FORCES PRESCRIBED ABOVE, BUT NEED NOT BE DETAILED ON THE PLANS. THE PROJECT INSPECTOR WILL VERIFY THAT THESE ITEMS HAVE BEEN ANCHORED:

a. EQUIPMENT WEIGHING LESS THAN 400 POUNDS SUPPORTED DIRECTLY ON THE FLOOR OR ROOF.

b. FURNITURE REQUIRED TO BE ATTACHED IN ACCORDANCE WITH THE CBC AND ASCE 7.

c. TEMPORARY OR MOVABLE EQUIPMENT WITH FLEXIBLE CONNECTION TO POWER OR UTILITIES.

d. EQUIPMENT WEIGHING LESS THAN 20 POUNDS SUPPORTED BY VIBRATION ISOLATORS.

e. EQUIPMENT WEIGHING LESS THAN 20 POUNDS SUSPENDED FROM A ROOF OR FLOOR OR HUNG FROM A WALL.

IV. FOR THOSE ELEMENTS THAT DO NOT REQUIRE DETAILS ON THE APPROVED DRAWINGS, THE INSTALLATION SHALL BE SUBJECT TO THE APPROVAL OF THE ELECTRICAL ENGINEER AND THE FIELD REPRESENTATIVE OF THE DIVISION OF THE STATE ARCHITECT.

5. PIPING, DUCTWORK, AND ELECTRICAL DISTRIBUTION SYSTEM BRACING NOTE:

I. PIPING, DUCTWORK, AND ELECTRICAL DISTRIBUTION SYSTEM SHALL BE BRACED TO RESIST THE FORCES PRESCRIBED IN ASCE 7-10 SECTION 13.3.5 DEFINED IN ASCE 7-10 SECTION 13.6.5.6, 13.6.7, 13.6.8, AND 2016 CBC, SECTIONS 1616A.1.23, 1616A.1.24, 1616A.1.25 AND 1616A.1.26.

II. THE BRACING AND ATTACHMENTS TO THE STRUCTURE SHALL COMPLY WITH ONE OF THE OSHDP PRE-APPROVALS WITH AN OPA #, SUCH AS MASON INDUSTRIES (OPA 349), OR ISAT (OPA 485) AS MODIFIED TO SATISFY ANCHORAGE REQUIREMENTS OF ACI 318, APPENDIX D.

III. COPIES OF THE MANUAL SHALL BE ON THE JOBSITE PRIOR TO STARTING HANGING AND BRACING OF THE PIPE, DUCTWORK, AND ELECTRICAL DISTRIBUTION SYSTEMS.

IV. THE STRUCTURAL ENGINEER OF RECORD SHALL VERIFY THE ADEQUACY OF THE STRUCTURE TO SUPPORT THE HANGER AND BRACE LOADS.

13. IN CASES OF DOUBT AS TO THE WORK INTENDED, OR IN THE EVENT OF NEED FOR EXPLANATION THEREOF, THE CONTRACTOR SHALL REQUEST SUPPLEMENTARY INSTRUCTIONS FROM THE ENGINEER. NO CHANGES ARE TO BE MADE TO THE WORK OF THIS CONTRACT WITHOUT PRIOR KNOWLEDGE AND APPROVAL OF THE ENGINEER. THE CONTRACTOR SHALL HOLD THE OWNER AND ITS CONSULTANTS

HARMLESS AGAINST ALL CLAIMS AND JUDGMENTS ARISING OUT OF THE CONTRACTOR'S PERFORMANCE OF THE WORK OF THIS CONTRACT. THE CONTRACTOR SHALL NOT PROCEED WITH ANY WORK WHICH HE EXPECTS ADDITIONAL COMPENSATION BEYOND THE CONTRACT AMOUNT WITHOUT WRITTEN AUTHORIZATION FROM THE APPROPRIATE AUTHORITY. FAILURE TO OBTAIN SUCH AUTHORIZATION SHALL INVALIDATE ANY CLAIM FOR EXTRA COMPENSATION.

14. IT SHALL BE THE RESPONSIBILITY OF THIS CONTRACTOR TO INSTALL ALL ELECTRICAL FIXTURES AND EQUIPMENT AS TO ENSURE QUIET OPERATION. NO VIBRATION OR SOUND SHALL BE TRANSMITTED TO THE BUILDING, STRUCTURE OR OCCUPIED AREAS. THE DECISION OF THE ENGINEER AS TO THE QUIETNESS OF THE SYSTEM AND EQUIPMENT SHALL BE FINAL. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO CORRECT OR REPLACE ANY NOISY FIXTURES OR EQUIPMENT AS REQUIRED.

2016 CEC (T24) SOLAR READY

1. SOLAR READY MANDATORY REQUIREMENTS (RESIDENTIAL AND NON-RESIDENTIAL):

A. PROVIDE A LOCATION FOR INVERTERS AND METERING EQUIPMENT AND A PATHWAY FOR ROUTING CONDUIT FROM THE SOLAR ZONE TO THE POINT OF INTERCONNECTION WITH THE ELECTRICAL SERVICE (MAIN SERVICE PANEL FOR SINGLE FAMILY RESIDENCES) (2016 CEC 110.10(i).1).

B. THE MAIN ELECTRICAL SERVICE PANEL SHALL HAVE MINIMUM BUSBAR RATING OF 200A (CEC 110.10(i).1).

C. THE MAIN ELECTRICAL PANEL SHALL HAVE A RESERVED SPACE TO ALLOW FOR THE INSTALLATION OF A 2-POLAR CIRCUIT BREAKER FOR FUTURE SOLAR ELECTRIC INSTALLATION (CEC 110.10(i).2).

D. NOTE: THE ABOVE ARE MINIMUM CEC REQUIREMENTS. SEE THE SINGLE LINE DIAGRAM AND/OR PANEL SCHEDULES FOR ADDITIONAL INFORMATION AND/OR PROJECT-SPECIFIC BUSBAR, CIRCUIT BREAKER, AND CONDUIT REQUIREMENTS.

2016 CEC (T24) SOLAR READY

2016 CALIFORNIA GREEN BUILDING STANDARDS CODE (CGBCS)

1. ELECTRIC VEHICLE (EV) CHARGING MANDATORY MEASURES:

A. NON-RESIDENTIAL CONSTRUCTION (2016 CGBCS 4.106.5):

- SINGLE EV SPACE REQUIRED - ELECTRICAL INSTALLATION SHALL BE PER CGBCS 4.106.5.3.1.

- MULTIPLE EV SPACES REQUIRED: ELECTRICAL INSTALLATION SHALL BE PER CGBCS 4.106.5.3.2.

B. IDENTIFICATION: THE SERVICE PANEL OR SUBPANEL SHALL IDENTIFY THE RESERVED SPACE FOR FUTURE EV CHARGING PURPOSES AS "EV CAPABLE" PER CGBCS 4.106.5.3.4.

B. RESIDENTIAL NEW CONSTRUCTION (2016 CGBCS 4.106.4)

- SINGLE EV SPACE REQUIRED - ELECTRICAL INSTALLATION SHALL BE PER CGBCS 4.106.4.2.3.

- MULTIPLE EV SPACES REQUIRED: ELECTRICAL INSTALLATION SHALL BE PER CGBCS 4.106.4.10.4.

- IDENTIFICATION: THE SERVICE PANEL OR SUBPANEL SHALL IDENTIFY THE RESERVED SPACE FOR FUTURE EV CHARGING PURPOSES AS "EV CAPABLE" PER CGBCS 4.106.4.2.5.

EXISTING BUILDINGS

1. ASBESTOS: IF DURING THE COURSE OF WORK THE CONTRACTOR OBSERVES THE EXISTENCE OF ASBESTOS OR ASBESTOS-BEARING MATERIALS, THE CONTRACTOR SHALL IMMEDIATELY TERMINATE FURTHER WORK ON THE PROJECT AND NOTIFY THE OWNER OF THE CONDITION. THE OWNER WILL, AFTER CONSULTATION WITH THE OWNER'S REPRESENTATIVE, DETERMINE A FURTHER COURSE OF ACTION.

2. ANY DEMOLITION WORK SHOWN WAS PREPARED FOR THE CONVENIENCE OF THE CONTRACTOR. THE ENGINEER DOES NOT REPRESENT THAT ALL ITEMS WHICH MAY REQUIRE DEMOLITION HAVE BEEN SHOWN. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO CAREFULLY EXAMINE THE SITE AND THE CONTRACT DOCUMENTS AND TO PERFORM ALL DEMOLITION AND RECONSTRUCTION WHICH MAY BE REQUIRED FOR THE PROPER EXECUTION AND COMPLETION OF THE WORK.

3. EXISTING CONDITIONS: INFORMATION SHOWN FOR EXISTING CONDITIONS WAS PRIMARILY GAINED FROM "AS BUILT" DRAWINGS AND/OR LIMITED FIELD INVESTIGATION. BEFORE BID, VISIT THE SITE TO VERIFY EXISTING CONDITIONS AND MAKE ALLOWANCES FOR VARIATIONS FROM THAT SHOWN.

4. EXISTING CONDITIONS: INTERCEPT, EXTEND, REROUTE, REPU, SPLICE AND OTHERWISE MODIFY EXISTING CONDUCTORS OF ALL SYSTEMS AS REQUIRED TO MAINTAIN AND/OR ESTABLISH PROPER FUNCTION AND SATISFY DESIGN INTENT. REMOVE ABANDONED CONDUCTORS.

5. EXISTING COMMUNICATION, DATA, AND ALL OTHER LOW VOLTAGE TYPE SYSTEM OUTLET LOCATIONS SHOWN ON THE PLANS TO BE RELOCATED SHALL BE PERFORMED BY THE ELECTRICAL CONTRACTOR. MODIFY EXISTING SYSTEM AS REQUIRED FOR FULL FUNCTION AS EXISTING IN NEW LOCATION.

6. WHERE EXISTING BUILDINGS CONSTRUCTION, MECHANICAL, UNITS, AND/OR OTHER EQUIPMENT IS SHOWN TO BE REMOVED, DISCONNECT AND REMOVE ALL ASSOCIATED ELECTRICAL INSTALLATION.

7. CLOSELY COORDINATE OUTAGE AND FACILITY DISRUPTION TIME WITH ARCHITECT AND OWNER. A MINIMUM 72-HOUR NOTICE IS REQUIRED BEFORE ANY CIRCUIT SHUTDOWN OR DISRUPTION OF FACILITY OPERATIONS.

GENERAL POWER PLAN NOTES:

1. INSTALL SEPARATE NEUTRALS FOR EACH 120V BRANCH CIRCUIT.

2. DEVICE LOCATIONS SHOWN ARE SCHEMATIC AND APPROXIMATE. EXACT LOCATIONS SHALL BE FIELD VERIFIED DURING ROUGH-IN WITH ARCHITECTURAL ELEVATIONS, CASEWORK SHOP DRAWINGS, FURNITURE, ETC. AND SHALL BE COORDINATED WITH OTHER TRADES TO AVOID CONFLICT WITH OTHER EQUIPMENT.

3. ELECTRICAL AND COMMUNICATION OUTLETS SHOWN IN THE SAME LOCATION SHALL BE MOUNTED ON OPPOSITE SIDES OF THE SAME STUD. COORDINATE BETWEEN ELECTRICAL AND COMMUNICATIONS PLANS.

4. CONTROLLED RECEPTACLES SHALL HAVE A PERMANENT MARKING PROVIDED BY MANUFACTURER TO DIFFERENTIATE THEM FROM UNCONTROLLED RECEPTACLES.

5. FUSING: ALL FUSIBLE SAFETY DISCONNECT SWITCHES SHALL BE PROVIDED WITH DUAL-ELEMENT TIME DELAY TYPE FUSES SIZED AND RATED PER EQUIPMENT MANUFACTURER'S RECOMMENDATIONS. VERIFY WITH EQUIPMENT NAMEPLATE BEFORE INSTALLATION.

6. MOTOR OVERLOAD PROTECTION: WHERE REQUIRED BY CEC ARTICLE 430 PART C AND NOT SHOWN ON PLAN OR PROVIDED INTEGRAL WITH EQUIPMENT, PROVIDE AND INSTALL THERMAL OVERLOAD PROTECTION FOR ALL MOTORS.

7. SPARE CONDUIT FOR RECESSED PANELS: PROVIDE (1)3/4" SPARE CONDUIT STUB UP TO ACCESSIBLE CEILING SPACE AND/OR SPACE BELOW FOR EVERY (3) SPARE BREAKER SPACES AS INDICATED ON PANEL SCHEDULES.

8. INSTALL SEPARATE NEUTRALS FOR EACH BRANCH CIRCUIT SERVING ISOLATED GROUND RECEPTACLES.

GENERAL MECHANICAL NOTES:

1. MECHANICAL UNIT CONDUITS: TO PREVENT DAMAGE DUE TO VIBRATION, BOTH POWER AND CONTROL WIRING CONDUITS FEEDING EXTERIOR MECHANICAL UNITS SHALL BE PROVIDED AND INSTALLED BY ELECTRICAL CONTRACTOR WITH LIQUID TIGHT FLEXIBLE TYPE AT FINAL CONNECTION TO UNIT AND BETWEEN ROOF HACK AND DISCONNECT SWITCH WHERE DISCONNECT IS MOUNTED ON UNIT. ALL CONDUIT FEEDING GROUND-MOUNT EQUIPMENT SHALL BE ROUTED UNDERGROUND, U.O.N.

2. MECHANICAL CONTROLS ROUGH-IN: PROVIDE AND INSTALL J-BOX, RING AND CONDUITSIZE ALL AS REQUIRED) FROM EACH MECHANICAL CONTROLS LOCATION TO CONTROLLED MECHANICAL UNITS.

3. THERMOSTAT JUNCTION BOXES: PROVIDE AND INSTALL 4" SQUARE JUNCTION BOX WITH 1-GANG RING AND 1/2" CONDUIT TO ACCESSIBLE CEILING SPACE ABOVE AT EACH THERMOSTAT LOCATION.

4. EXHAUST FANS SHALL BE PROVIDED AND INSTALLED BY MECHANICAL CONTRACTOR WITH WIRING CONNECTIONS MADE BY ELECTRICAL CONTRACTOR U.O.N.

5. MECHANICAL EQUIPMENT CONTROLS: MECHANICAL CONTRACTOR SHALL BE RESPONSIBLE FOR ALL LOW VOLTAGE (BELOW 120 VOLT), WIRE AND CONNECTIONS TO AND FROM ALL MECHANICAL CONTROL DEVICES. ALL LOW VOLTAGE CONTROL WIRE SHALL BE IN CONDUIT, UNLESS OTHERWISE NOTED.

6. PULLROPS: ANY RACEWAY WITHOUT CABLE OR WIRE SHALL BE INSTALLED WITH MINIMUM 200 POUND TEST PULL LINE AND LARGER IF REQUIRED BY SERVING UTILITY COMPANY. ANY NEW OR EXISTING COMMUNICATION OR SIGNAL RACEWAY ROUTED BETWEEN BUILDINGS, SIGNAL CABINETS, AND/OR SIGNAL CLOSETS WITH FUTURE CAPACITY SHALL BE INSTALLED WITH MINIMUM 200 POUND TEST PULL LINE AS WELL AS THE CALLED FOR CABLE.

GENERAL DEMOLITION PLAN NOTES:

A. REFER TO ARCHITECTURAL DEMOLITION SHEETS FOR ADDITIONAL INFORMATION.

B. EQUIPMENT SHOWN TO BE REMOVED IS SHOWN FOR REFERENCE ONLY. INFORMATION WAS OBTAINED FROM ORIGINAL BUILDINGS DRAWINGS AND LIMITED FIELD INVESTIGATION, AND MAY NOT REPRESENT ALL ELECTRICAL DEMOLITION. FIELD VERIFY CONDITIONS AND DISCONNECT/REMOVE ALL EQUIPMENT AS REQUIRED TO MEET THE INTENT OF THAT SHOWN ON THE ELECTRICAL DRAWINGS.

C. ALL ELECTRICAL EQUIPMENT SHOWN ON DRAWINGS (OR REQUIRED) TO BE DEMOLISHED SHALL BE DISCONNECTED, REMOVED AND DISPOSED OF BY ELECTRICAL CONTRACTOR. NO EQUIPMENT (RACEWAYS, BOXES, CABLEING, ETC.) SHALL BE ABANDONED IN PLACE AND COVERED BY NEW CONSTRUCTION.

D. CLEAN, REPAIR (AS REQUIRED) AND RELAMP ALL EXISTING LIGHT FIXTURES THAT ARE TO REMAIN AND BE RE-USED TO ASSUME ALL FIXTURE ARE OPERATIONAL UPON COMPLETION OF PROJECT.

E. ANY LIGHT SWITCHES THAT ARE NO LONGER IN USE, WHETHER SHOWN ON THE DEMOLITION PLAN OR NOT, ARE TO HAVE THE DEVICE AND WIRING REMOVED, AND A BLANK COVER PLATE INSTALLED.

F. SCHEDULE ANY OUTAGES WITH OWNER PRIOR TO DE-ENERGIZATION OF ANY BRANCH CIRCUITS OR FEEDERS.

G. DISCONNECTION/REMOVAL OF EXISTING COMMUNICATIONS SYSTEMS COMPONENTS SHALL BE SCHEDULED WITH OWNER AND COORDINATED WITH THEIR VENDORS.

H. ALL REMOVED COMPONENTS SHALL BE SALVAGED TO THE OWNER.

I. INFORMATION SHOWN FOR LOAD DESCRIPTIONS ON EXISTING PANELS WAS GAINED FROM ORIGINAL BUILDING ELECTRICAL PLANS AND SHALL BE FIELD VERIFIED. CONFIRM LOAD ON EACH CIRCUIT OF ALL EXISTING PANELS AND PROVIDE UPDATED TYPEWRITTEN CIRCUIT DIRECTORY (IN PLASTIC SLEEVE) FOR EACH EXISTING PANELBOARD.

J. ANY LOADS REMOVED DURING DEMOLITION SHALL HAVE CONDUCTORS REMOVED BACK TO NEXT REMAINING DEVICE OR TO EXISTING PANELS. ABANDONED BREAKERS SHALL BE LABELED "SPARE".

K. PROVIDE BLANK FILLER PLATES IN DEADPOINTS OF EXISTING PANELBOARDS UPON COMPLETION OF PROJECT WHERE BREAKERS HAVE BEEN REMOVED.

L. PROVIDE NEW PLASTIC, LAMINATED ENGRAVED NAMEPLATES FOR EACH EXISTING PANEL TO MATCH NEW PANELS.

GENERAL FIRE ALARM NOTES:

(SEE FIRE ALARM RISER DIAGRAM, SHEET E-011)

ABBREVIATIONS AND SYMBOLS LEGEND

A	AMPERE	PB	PULLBOX
AB	AMP BREAKER	PC	PULL CHAIN
ABAND	ABANDONED	PC	PLUMBING
ABV	ABOVE	PC	PLUMBING CONTRACTOR
AC	ALTERNATING CURRENT, ABOVE COUNTER	PH	PHASE
AC - #	AIR CONDITIONER	PHL	PHASE
ADJ	ADJACENT	POC	POINT OF CONNECTION
AF	AMP FUSE, AMP FRAME	PR	PHOTOVOLTAIC
AFB	ABOVE FINISH FLOOR	RECEPT	RECEPTACLE
AFS	ABOVE FINISH GRADE	REF	REFRIGERATOR
AIC	AMP RATING OF FUSED SWITCH	RQMTS	REQUIREMENTS
AI	ALUMINUM	REQD	REQUIRED
AMP	AMPERE	RLA	RATED LOAD AMPS
AMP	AMP SWITCH RATING	RM	ROOM
ATS	AUTOMATIC TRANSFER SWITCH	RMC	RIGID METAL CONDUIT
AV	AUDIBLE / AUDIO VISUAL	RMV	REMOVE
AWG	AMERICAN WIRE GAGE	RPLC	REPLACE
BFG	BELOW FINISH GRADE	RS	RAPID START
BLDG	BUILDING	SC	SIGNAL CABINET
C	CONDUIT	SCC	SHORT CKT CURRENT
CABT	CABINET	SFM	STATE FIRE MARSHAL
CATV	CABLE TELEVISION	SHT	SHEET
CB	CIRCUIT BREAKER	SL	SWITCH LEG
CB	CODE BLUE	SMAPPL	SMALL APPLIANCE
CBC	CA. BUILDING CODE	SPEC	SPECIFICATION
CEC	CA. ELECTRICAL CODE	SPDT	SINGLE POLE DOUBLE THROW
CENC	CA. ENERGY CODE, CA. ENERGY COMMISSION	SPST	SINGLE POLE SINGLE THROW
CF	CEILING FAN	SQ	SQUARE
CFI	COMPACT FLUORESCENT	STOR	STORAGE
CFC	CALIFORNIA FIRE CODE	SURF	SURFACE
CLG	CEILING	SVC	SERVICE
CL	CENTER LINE	SW	SWITCH
CNT	CONTRACTOR	TKT	TERMINAL, TERMINAL
CNT	CONDUIT ONLY (W / PULLROPE)	(TBR)	TO BE REMOVED
C.O.	CONDUIT	TC	TIME CLOCK
COND	CRITICAL BRANCH	TCO	TIME CLOCK OVERRIDE
CR	CRITICAL BRANCH	TEL	TELEPHONE
CSFM	CALIFORNIA SFM	TELO	TELEPHONE COMPANY
CT	CURRENT TRANSFORMER	TB	TELEPHONE TERMINAL BOARD
CU	COPPER	TEL	TELEPHONE TERMINAL CABINET
CU - #	CONDENSING UNIT	TX	TRANSFORMER
D	DEPTH, DEEP	TYP	TYPICAL
DEMO	DIRECT CURRENT	SYM	TYPICAL SIMILAR
DIR	DRINKING FOUNTAIN	UG	UNDERGROUND, UNDERCOUNTER
DIA	DIAMETER	UGS	UNDERGROUND PULL SECTION
DISC	DISCONNECT	UN	UNDERCOUNTER LABORATORIES
DIST	DISTRIBUTION	UN	UNLESS OTHERWISE NOTED
DPDT	DOUBLE POLE DOUBLE THROW	UGV	UG SVC ALERT 800-642-2444
DPST	DOUBLE POLE SINGLE THROW	UHS	UNSHIELDED TWISTED PAIR
DW	EXISTING	VLT	VOLT
EA	EACH	VPA	VOLT AMPERES
EA	ELECTRICAL CONTRACTOR	VAC	VOLT ALTERNATING CURRENT
EC	EVAPORATIVE COOLER	VDF	VOLTAIR DEFROST
EF - #	EXHAUST FAN	VF	VERIFY IN FIELD
ELEC	ELECTRICAL	VLT	VOLTAGE
EMERG	EMERGENCY, EMERG BATTERY BACKUP	VND	VANDAL-RESISTANT
EOL	END OF LINE	W	WATER HEATER
EQ	EQUIPMENT	WATT	WATT, WATT, WIRE
(EXN)	(E) IN (N) LOCATION	WSHR	WASHER
(EXR)	(E) TO (R) LOCATION	WH - #	WATER HEATER
EXT	EXTERIOR	WPI	WEATHERPROOF IN-USE, METALLIC
F	FURNACE	WFM	WEATHERPROOF IN-USE, METALLIC
FA	FIRE ALARM	+48	INDICATES MOUNTING HEIGHT AFF
FACP	FIRE ALARM CONTROL PANEL		
FATC	FIRE ALARM TERMINAL CABINET		
FAU	FORCED AIR UNIT		
FBO	FURNISHED BY OTHERS		
FC	FAN COIL CONTROLLER		
FC - #	FUSED FOR		
FF	FULL LOAD AMPS		
FLA	FLOOR		
FL	FLUORESCENT		
FLR	FLOOR		
FS	FUSIBLE SWITCH		
FVNR	FULL VOLTAGE NON-REVERSING		
GC	GROUNDING CONDUCTOR		
GC	GENERAL CONTRACTOR		
GD	GARBAGE DISPOSAL		
GFCI	GROUND FAULT CIRCUIT INTERRUPTER		
GFCI, GFI	GROUND FAULT PROTECTION		
GFP	GROUND		
GND	GALVANIZED RIGID STEEL		
GRS	GANG WITH SWITCH		
GWS	HEIGHT, HIGH		
H	HIGH INTENSITY DISCHARGE		
HID	HIGH INTENSITY DISCHARGE		
HO	HAND-OUT-AUTO		
HOA	HORSEPOWER		
HP	HIGH PRESSURE SODIUM		
HPS	HEATING, VENTILATION, & AIR		
HVAC	CONDITIONING		
IC	INTERCOM		
ID	IDENTIFICATION		
IG	ISOLATED GROUND		
J	JUNCTION BOX		
JBOX	QUANTITY 1,000		
K	AVAILABLE SHORT CIRCUIT CURRENT (KA)		
KVA	KILOVOLT AMPS		
KW	KILOWATT		
LC	LIGHTING CONTRACTOR		
LPS	LOW PRESSURE SODIUM		
LRA	LOOKED ROTOR AMPS		
LS	LIFE SAFETY BRANCH		
LT	LIGHT		
LTG	LIGHTING		
LV	LOW VOLTAGE		
MC	MECHANICAL CONTRACTOR		
MCA	MINIMUM CKT AMPS		
MCB	MAIN CIRCUIT BREAKER		
MCC	MECH CONTROL CONTRACTOR		
MCC	MOTOR CONTROL CENTER		
MCTB	MAIN CATV TERMINAL BOARD		
MCTO	MAIN CATV TERMINAL CABINET		
MECH	MECHANICAL		
MFR	MANUFACTURER		
MFS	MAIN FUSIBLE SWITCH		
MH	METAL HALIDE		
MLO	MAIN LUGS ONLY		
MOCPE	MAXIMUM OCP		
MPOE	MAIN POINT OF ENTRY (COMMUNICATIONS UTILITY)		
MSB	MAIN SWITCHBOARD		
MT	MOUNTING HEIGHT		
MTS	MANUAL TRANSFER SWITCH		
MTTB	MAIN TELEPHONE TERMINAL BOARD		
MTTC	MAIN TELEPHONE TERMINAL CABINET		
MW	MICROWAVE		
N	NEUTRAL (GROUNDED CONDUCTOR)		
NSR	NEW		
NC	NORMALLY CLOSED		
NEC	NATIONAL ELECTRICAL CODE		
NEMA	NAT'L ELEC MANUFACTURER'S ASSOC		
NEC	NON-FUSED		
NIC	NOT IN CONTRACT		
NL	NIGHT LIGHT		
NO	NORMALLY OPEN		
NPF	NORMAL POWER FACTOR		
NTS	NOT TO SCALE		
OC	ON CENTER		
OCP	OVERCURRENT PROTECTION		
OD	OUTSIDE DIAMETER		
OH	OVERHEAD		
OS	OCCUPANCY SENSOR		
OSA	OFFICE OF THE STATE ARCHITECT		
OSHPD	OFFICE OF STATEWIDE HEALTH PLANNING AND DEVELOPMENT		
OVL	OVERLOAD		
PA	POLE		
PA	PUBLIC ADDRESS		

(NOTE: INTERPRET IN CONTEXT)

LIGHTING FIXTURES

	RECESSED DOWNLIGHT
	RECESSED WALL WASHER
	RECESSED DOWNLIGHT - ADJUSTABLE
	SURFACE CEILING
	PENDANT MOUNTED
	PENDANT - LINEAR
	RECESSED TROFFER
	SURFACE CEILING - LINEAR
	SURFACE STRIP
	UNDERCABINET
	SURFACE WALL - LINEAR



AA												
ROOM OUTSIDE OF (E) PORTABLE P-23/24			VOLTS 240/120V 2P 3W			AIC 10,000						
MOUNTING SURFACE			BUS AMPS 400			MAIN BKR MLO						
FED FROM MSA			NEUTRAL 100%			LUGS STANDARD						
NOTE (E) DISTRIBUTION PANEL												
CKT #	CKT BKR	WIRE SIZE	CIRCUIT DESCRIPTION	LOAD KVA		CKT #	CKT BKR	WIRE SIZE	CIRCUIT DESCRIPTION	LOAD KVA		
				A	B					A	B	
1	90/2	#2	(E) PORTABLE, P-27	8.76		2	20/2	#12	EXISTING PUMP LOAD	1.44		
3					8.76	4						
5	100/2	#2	PANEL RR	7.02		6	20/2	#12	EXISTING LOAD	1.92	1.44	
7					7.77	8						
9	20/1		SPARE	0		10	20/1		SPARE	0	1.92	
11	20/1		SPARE		0	12	20/1		SPARE		0	
13	20/1		SPARE	0		14	20/1		SPARE	0		
15	20/1		SPARE		0	16	20/1		SPARE		0	
17	20/1		SPARE	0		18	20/1		SPARE	0		
19	20/1		SPARE		0	20	20/1		SPARE		0	
21	20/1		SPARE	0		22	20/1		SPARE	0		
23	20/1		SPARE		0	24	20/1		SPARE		0	
25	20/1		SPARE	0		26	20/1		SPARE	0		
27	20/1		SPARE		0	28	20/1		SPARE		0	
29	20/1		SPARE	0		30	20/1		SPARE	0		
31	20/1		SPARE		0	32	20/1		SPARE		0	
33	20/1		SPARE	0		34	20/1		SPARE	0		
35	20/1		SPARE		0	36	20/1		SPARE		0	
37	20/1		SPARE	0		38	20/1		SPARE	0		
39	20/1		SPARE		0	40	20/1		SPARE		0	
41	20/1		SPARE	0		42	20/1		SPARE	0		
						TOTAL CONNECTED KVA BY PHASE				19.1	19.9	
				CONN KVA		CALC KVA						
LIGHTING				2.62	3.28	(125%)		RECEPTACLES		2.52	2.52	(50%*10)
LARGEST MOTOR				9.16	2.29	(25%)		NONCONTINUOUS		16.8	16.8	(100%)
MOTORS				2.88	2.88	(100%)		HEATING		14.2	14.2	(100%)
								COOLING		9.16	0	(0%)
								TOTAL LOAD		42		
								BALANCED AMPS		175		



STAND-ALONE FIRE  
ALARM CONTROL SYSTEM,  
PER CBC 2016 907.2.3.1  
EXCEPTION #1 THRU #3.

CELLULAR CONNECTION:  
#1 \_\_\_\_\_  
#2 \_\_\_\_\_

VOIP CONNECTION:  
#1 \_\_\_\_\_  
#2 \_\_\_\_\_

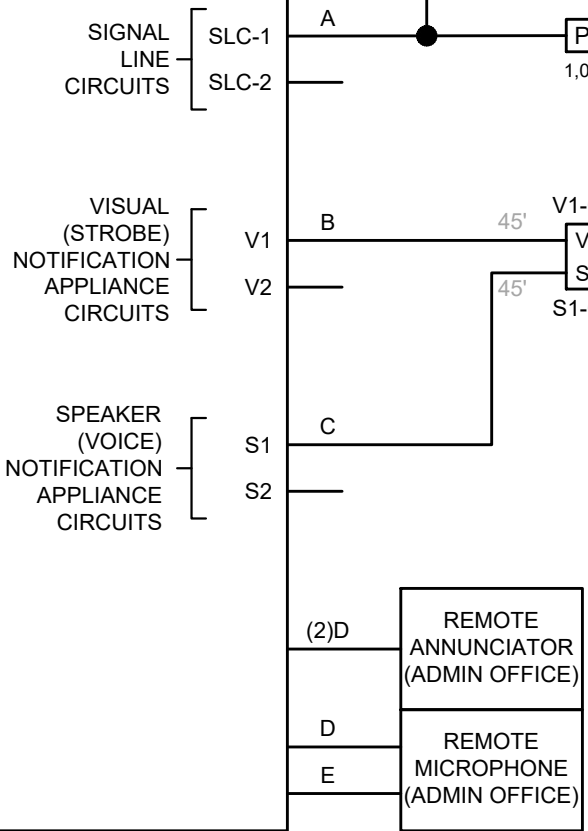
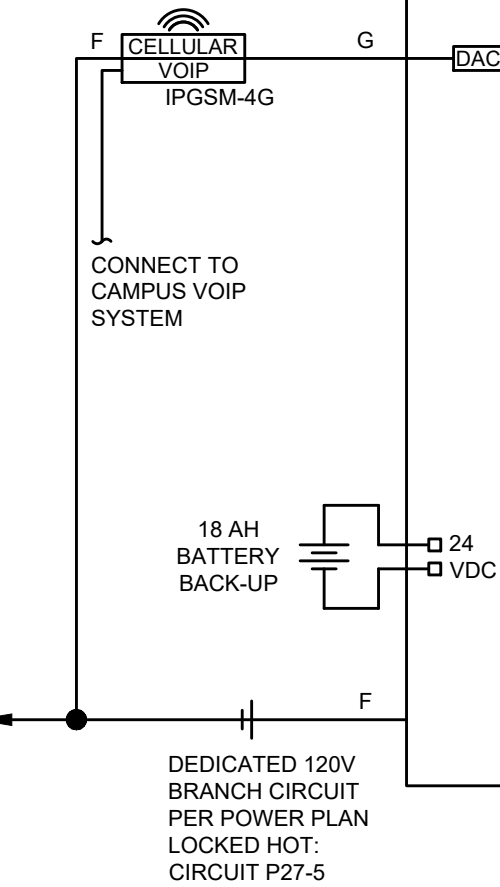
(PHONE NUMBERS ASSIGNED  
DURING CONSTRUCTION SHALL  
BE INCLUDED ON ASBUILT  
DRAWINGS)

MONITORING SERVICE CONTACT:  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

CERTIFICATE OF COMPLIANCE:  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

## "FACP-RR"

(N) FIRE ALARM &  
EMERGENCY  
VOICE ALARM  
COMMUNICATIONS  
SYSTEM CONTROL  
PANEL



### GENERAL NOTES - FIRE ALARM and EMERGENCY VOICE/ALARM SYSTEMS

- PROVIDE ALL WORK AND MATERIAL REQUIRED FOR COMPLETE AND OPERATING FIRE ALARM SYSTEM. WORK SHALL INCLUDE BUT NOT LIMITED TO:
  - PRODUCT DATA SUBMITTAL, INCLUDING CUTSHEETS AND CSFM LISTINGS FOR EVERY SYSTEM COMPONENT WHICH IS TO BE INTERCONNECTED AS PART OF THIS PROJECT.
  - COMPLETE INSTALLATION AND TESTING.
  - SYSTEM TRAINING FOR OWNER'S REPRESENTATIVE.
  - WARRANTY.
- ALL FIRE ALARM COMPONENTS SHALL HAVE CURRENT CALIFORNIA STATE FIRE MARSHAL LISTING.
- ALL CABLES SHALL BE INSTALLED IN CONDUIT, 1" MINIMUM.
- BATTERIES SHALL HAVE A MANUFACTURER DATE ADEQUATE TO COMPLY WITH THE 5-YEAR SPAN REQUIREMENT.
- FIRE ALARM CONTROL PANEL SHALL BE PROVIDED WITH DIALER (DACT) AND CONNECTED TO COMMUNICATIONS SYSTEM AS REQUIRED TO SEND SEPARATE AND DISTINCT SIGNALS.
- FIRE ALARM SYSTEM SHALL BE SUPERVISED BY AN APPROVED UL LISTED CENTRAL STATION (UJFX) OR REMOTE STATION (UJUS) MONITORING COMPANY PER CFC 907.2.3.5 AND 907.6.5.
- AFTER CONSTRUCTION, PROVIDE ACCURATE FIELD RECORD DRAWINGS TO OWNER PER CFC 901.6.2.1.
- DOCUMENTATION CABINET:
  - A DOCUMENTATION CABINET SHALL BE PROVIDED FOR EVERY NEW SYSTEM AND INSTALLED AT THE FIRE ALARM CONTROL PANEL PER NFPA 72.7.7.2.1.
  - ALL RECORD DOCUMENTATION SHALL BE STORED IN THE DOCUMENTATION CABINET PER NFPA 72.7.7.2.2.
  - THE DOCUMENTATION CABINET SHALL BE PROMINENTLY LABELED "SYSTEM RECORD DOCUMENTS" PER NFPA 72.7.7.2.4.
  - INSPECTION, TESTING, AND MAINTENANCE RECORDS SHALL BE RETAINED FOR THE APPLICABLE DURATION PER NFPA 72.14.6.2.
- DEDICATED BRANCH CIRCUIT(S) SHALL BE PROVIDED FOR FACP EQUIPMENT PER NFPA 72 10.6.5.1 AND 10.6.5.2. THE ASSOCIATED CIRCUIT BREAKER SHALL HAVE RED MARKING PER NFPA 72 10.6.5.2.3. SHALL HAVE A LISTED LOCKING DEVICE INSTALLED PER NFPA 72 10.6.5.4, AND SHALL BE PERMANENTLY IDENTIFIED AS "FIRE ALARM" PER NFPA 72 10.6.5.2.2.
- DEDICATED BRANCH CIRCUIT SHALL BE PROVIDED FOR THE FIRE SPRINKLER BELL. THE ASSOCIATED CIRCUIT BREAKER SHALL HAVE A LISTED LOCKING DEVICE INSTALLED PER NFPA 72 10.6.5.4. AND SHALL BE PERMANENTLY IDENTIFIED AS "FIRE SPRINKLER BELL" PER NFPA 72 10.6.5.2.2.
- INSTALLING CONTRACTOR SHALL BE FIRE/LIFE SAFETY CERTIFIED BY THE DEPARTMENT OF INDUSTRIAL RELATIONS (DIR).

### DSA REQUIREMENTS

- APPLICABLE STANDARD 2016 NFPA 72.
- INSTALLATION OF THE SYSTEMS SHALL NOT BE STARTED UNTIL DETAILED DESIGN DOCUMENTS AND SPECIFICATIONS, INCLUDING STATE FIRE MARSHAL LISTING NUMBERS FOR EACH COMPONENT OF THE SYSTEM, HAS BEEN APPROVED BY DSA.
- UPON COMPLETION OF THE INSTALLATION OF THE SYSTEMS, A SATISFACTORY TEST OF THE ENTIRE SYSTEM SHALL BE MADE IN ACCORDANCE WITH CFC 901.6.2. PROVIDE STATEMENT OF COMPLIANCE.
- A STAMPED SET OF APPROVED FIRE ALARM DESIGN DOCUMENTS SHALL BE ON THE JOB SITE AND USED FOR INSTALLATION.
- ANY DISCREPANCIES BETWEEN THE DRAWINGS AND THE CODE OR RECOGNIZED STANDARDS SHALL BE BROUGHT TO THE ATTENTION OF DSA AND THE ARCHITECT/ENGINEER OF THE PROJECT.
- DSA, ARCHITECT/ENGINEER, AND OWNER SHALL BE NOTIFIED A MINIMUM OF 48 HOURS PRIOR TO THE FINAL INSPECTION AND/OR TESTING.
- ALL PENETRATIONS THROUGH RATED ASSEMBLIES REQUIRING OPENING PROTECTION SHALL BE PROVIDED WITH A PENETRATION FIRE STOP SYSTEM AS IDENTIFIED IN CBC CHAPTER 7, ULIN ACCORDANCE WITH CBC 1705A.17.1. REFER TO TYPICAL PENETRATION FIRESTOP DETAILS FOR APPROVED TYPE OF MATERIALS.
- WALL MOUNTED VISUAL NOTIFICATION DEVICES SHALL HAVE THEIR ENTIRE LENS MOUNTED AT 80" MINIMUM AND 96" MAXIMUM FROM FINISHED FLOOR AND NO CLOSER THAN 6" TO A HORIZONTAL STRUCTURE.
- WALL MOUNTED AUDIBLE NOTIFICATION DEVICES SHALL HAVE THEIR TOPS MOUNTED AT 90" MINIMUM AND 100" MAXIMUM FROM FINISHED FLOOR AND NO CLOSER THAN 6" TO A HORIZONTAL STRUCTURE.
- AUDIBLE DEVICES SHALL BE AT LEAST 15 DBA ABOVE THE AVERAGE AMBIENT SOUND LEVEL BUT NOT LESS THAN 75 DBA AT 10 FEET OR MORE THAN 110 DBA AT THE MINIMUM HEARING DISTANCE. SOUND LEVEL OF 75 DB SHALL BE MAINTAINED FOR A DURATION OF AT LEAST 60 SECONDS.
- AUDIBLE DEVICES SHALL BE SYNCHRONIZED TEMPORAL CODE 3 PATTERN.
- THE CONTRACTOR SHALL ADJUST/INSTALL ALL DEVICES TO MAXIMIZE PERFORMANCE AND TO MINIMIZE FALSE ALARMS.
- VISUAL DEVICES SHOULD NOT EXCEED 2 FLASHES PER SECOND AND SHOULD NOT BE SLOWER THAN 1 FLASH PER SECOND. THE DEVICE SHALL HAVE A PULSING LIGHT SOURCE NOT LESS THAN 15 CANDELLA. VISUAL DEVICES WITHIN 55' OF EACH OTHER SHALL BE SYNCHRONIZED.
- UNDERGROUND AND EXTERIOR CONDUITS SHALL HAVE WATERTIGHT FITTINGS AND WIRE APPROVED FOR WET LOCATIONS.
- ALL FIRE ALARM WIRING SHALL BE FPL OR FPLP (FIRE POWER LIMITED OR FIRE POWER LIMITED PLENUM) AS REQUIRED FOR APPLICATION. WIRING IN CONDUIT ABOVE GROUND MAY BE THIN OR THWN.
- PER CEC STANDARDS, ALL WIRING SHALL BE PULLED THROUGH EACH JUNCTION BOX AND CONNECTED DIRECTLY TO EACH FIRE DEVICE. DO NOT SPLICE THE WIRE. THERE MUST BE AT LEAST 6" OF LEAD WIRE FROM THE BOX TO THE DEVICE. ALL BOXES SHALL BE SIZED PER CEC.
- SMOKE DETECTORS SHALL NOT BE ANY CLOSER THAN 1' FROM FIRE SPRINKLERS OR 3' FROM ANY SUPPLY DIFFUSER. IN AREA OF CONSTRUCTION OR POSSIBLE DAMAGE/CONTAMINATION, NEWLY INSTALLED FIRE ALARM SHALL BE COVERED UNTIL THAT AREA IS READY TO BE TURNED OVER TO THE OWNER.
- ALL FIRE ALARM CIRCUITS SHALL BE IN CONDUIT, SURFACE RACEWAY, OR OPEN RUN ABOVE CEILINGS, UNDER FLOORS AND IN WALLS IN A NEAT AND PROTECTED MANNER AS INDICATED ON DESIGN DOCUMENTS. EXPOSED CIRCUITS ARE ONLY PERMITTED WHEN NOTED AS EXPOSED ON DESIGN DOCUMENTS.
- FIRE ALARM PANEL, REMOTES, AND COMPONENTS SHALL BE SECURED TO MOUNTING SURFACES PER MANUFACTURERS SPECIFICATIONS. NO SINGLE DEVICE SHALL EXCEED THE WEIGHT OF 20 LBS. WITHOUT SPECIAL MOUNTING DETAILS.
- A DEDICATED BRANCH CIRCUIT SHALL BE PROVIDED FOR FIRE ALARM EQUIPMENT. THIS CIRCUIT SHALL BE ENERGIZED FROM THE COMMON USE AREA PANEL AND SHALL HAVE NO OTHER OUTLETS. THE BREAKER SHALL HAVE A RED LOCKING DEVICE TO BLOCK THE HANDLE IN THE "ON" POSITION. THE CIRCUIT BREAKER SHALL BE LABELED "FIRE ALARM CIRCUIT CONTROL". CIRCUIT ID TO BE LABELED AT FIRE PANEL/EXTENDERS.
- THE INSTALLING CONTRACTOR SHALL PROVIDE A RECORD OF COMPLETION PER NFPA 72.7.5.6 AND 14.2.5.
- CONTROL PANELS AND REMOTE ANNUNCIATORS SHALL BE INSTALLED WITH THEIR BOTTOMS MOUNTED AT 48".
- THE INSTALLING CONTRACTOR SHALL PROVIDE SYSTEM PROGRAMMING FOR SUPERVISORY MONITORING PER CBC SECTION 901.6.2.
- SUPERVISORY MONITORING SHALL BE TESTED AND VERIFIED AS SENDING CORRECT SIGNALS IN CONJUNCTION WITH FINAL ACCEPTANCE TEST.
- OWNER SHALL BE RESPONSIBLE FOR ESTABLISHING A FIRE SYSTEM MONITORING CONTRACT OR PROVISIONS.
- WIRING AND MATERIALS SHALL BE PER CEC 760.

### FIRE ALARM EQUIPMENT LEGEND

	MANUFACTURER	MODEL	COMPONENT	MOUNTING HEIGHT/DETAILS	CALIFORNIA STATE FIRE MARSHAL LISTING #
	GAMEWELL-FCI	E3	FIRE ALARM CONTROL PANEL WITH EMERGENCY VOICE EVACUATION COMMUNICATION	ON WALL	7165-1703.0125
		ILI-MB-E3	MOTHERBOARD WITH (2) SLC AND (2) NAC		
		LCD-SLP	LCD TOUCHSCREEN ANNUNCIATOR DISPLAY		
		RPT-E3	NETWORK REPEATER MODULE		
		DACT-E3	DIGITAL ALARM COMMUNICATOR TRANSMITTER MODULE		
		ASM-16	ADDRESSABLE SWITCH MODULE (FOR PAGING MICROPHONE)		
		PM-9	POWER SUPPLY MODULE		
		AM-50	50 WATT VOICE POWER AMPLIFIER - (2) SPEAKER CIRCUITS - 25V (SEE VOLTAGE DROP CALCULATIONS)		
		INI-VGX	VOICE GATEWAY MODULE		
		INCC-MIC	EVAC PAGING MICROPHONE MODULE		
	HONEYWELL	IPGSM-4G	CELLULAR OR IP DIALER	ON WALL	7300-1645.0199
		[ANN]	LCD-SLP		
		[MIC]	INCC-MIC		
			E3-SERIES		
		[P]	MS-7ASF		
		[SD]	ASD-PL2F		
		[H]	B210LP		
		[H] A	ATD-HL2F		
			B210LP		
		[V]_cd	SYSTEM SENSOR		
	SENSITRONICS	[SV]_w_cd	SYSTEM SENSOR	ON WALL	7320-1653.0505
		[S]_w_wp	SYSTEM SENSOR		
			SPRL		
			SPRK		
			SRL		
			SPSR		
			SPSR		
			SPSR		
			SPSR		
			SPSR		

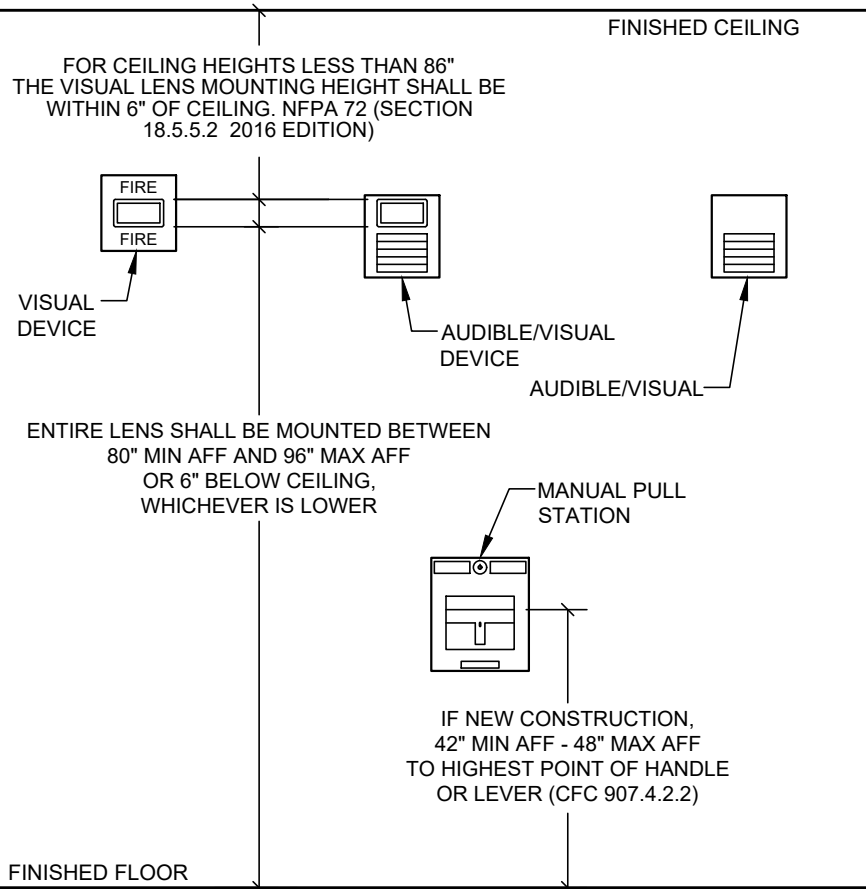
### FIRE ALARM WIRE LEGEND

I.D.	CIRCUIT TYPE	DESCRIPTION	GAUGE	CABLE TYPE	CABLE RATING	PART NUMBER / MANUFACTURER
A	SLC ADDRESSABLE (INITIATING)	UNSHIELDED TWISTED PAIR (UTP)	16 AWG	GENERAL PURPOSE	FPL	D990 / WEST PENN
			16 AWG	WET LOCATION	FPLR	AQ225 / WEST PENN
			16 AWG	RISER	FPLR	990 / WEST PENN
			16 AWG	PLENUM	FPLP	60991B / WEST PENN
B	VISUAL NAC (NOTIFICATION)	UNSHIELDED TWISTED PAIR (UTP)	12 AWG	GENERAL PURPOSE	FPL	998 / WEST PENN
			12 AWG	WET LOCATION	FPLR	AQ227 / WEST PENN
			12 AWG	RISER	FPLR	998 / WEST PENN
			12 AWG	PLENUM	FPLP	60995B / WEST PENN
C	SPEAKER NAC (NOTIFICATION)	SHIELDED TWISTED PAIR (STP)	12 AWG	GENERAL PURPOSE	FPL	999 / WEST PENN
			12 AWG	WET LOCATION	FPLR	AQ296 / WEST PENN
			12 AWG	RISER	FPLR	999 / WEST PENN
			12 AWG	PLENUM	FPLP	60994B / WEST PENN
D	REMOTE ANNUNCIATOR CIRCUIT	UNSHIELDED TWISTED PAIR (UTP)	16 AWG	GENERAL PURPOSE	FPL	D990 / WEST PENN
			16 AWG	WET LOCATION	FPLR	AQ225 / WEST PENN
			16 AWG	RISER	FPLR	990 / WEST PENN
			16 AWG	PLENUM	FPLP	60991B / WEST PENN
E	REMOTE MICROPHONE CIRCUIT	SHIELDED TWISTED PAIR (STP)	16 AWG	GENERAL PURPOSE	FPL	991 / WEST PENN
			16 AWG	WET LOCATION	FPLR	AQ294 / WEST PENN
			16 AWG	RISER	FPLR	991 / WEST PENN
			16 AWG	PLENUM	FPLP	60990B / WEST PENN
F	120VAC POWER	SOLID OR STRANDED	(2) 12 AWG	-	THHN/ THWN	VARIOUS
G	PHONE LINES	4-PAIR CABLE	24 AWG	-	CAT 5/5E/6	VARIOUS
NOTES:						
- VERIFY CABLE REQUIREMENTS WITH MANUFACTURER'S RECOMMENDATIONS.						
- RISER-TYPE CABLES CAN BE SUBSTITUTED FOR GENERAL PURPOSE TYPE CABLES PER C.E.C. 760.154(A).						

AUDIBLE DEVICES:  
IF CEILING HEIGHTS ALLOW, WALL MOUNTED APPLIANCES SHALL HAVE THEIR TOPS ABOVE THE FINISHED FLOORS AT HEIGHTS OF NON LESS THAN 80" AND BELOW THE FINISHED CEILINGS AT HEIGHTS OF NOT LESS THAN 6" THIS REQUIREMENT SHALL NOT PRECLUDE CEILING-MOUNTED OR RECESSED APPLIANCES NFPA 72 (SECTION 18.4.8.1, 2016 EDITION). IF COMBINATION AUDIBLE/VISUAL APPLIANCES ARE INSTALLED, THE LOCATION OF THE INSTALLED APPLIANCE SHALL BE DETERMINED BY THE REQUIREMENTS OF NFPA 72 (SECTION 18.5.5.1, 2016 EDITION).

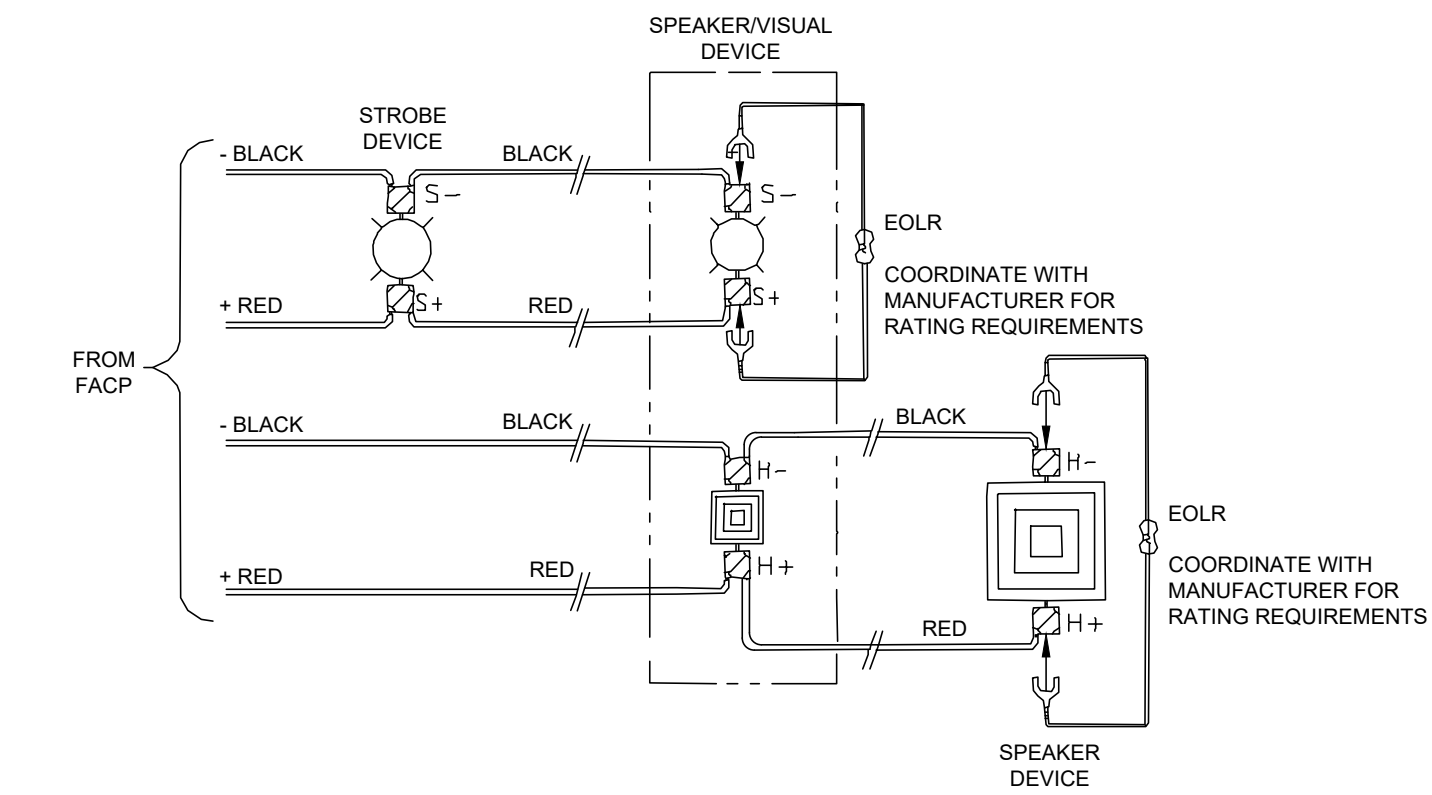
VISUAL DEVICES:  
FLASH RATE: SHALL NOT EXCEED 2 FLASHES PER SECOND NOR BE LESS THAN 1 FLASH PER SECOND. WALL-MOUNTED APPLIANCES SHALL BE MOUNTED SUCH THAT THE ENTIRE LENS IS NOT LESS THAN 80" AND NOT GREATER THAN 96" ABOVE THE FINISHED FLOOR. NFPA 72 (SECTION 18.5.5.1, 2016 EDITION).

MANUAL PULL STATION:  
EACH MANUAL FIRE ALARM BOX SHALL BE SECURELY MOUNTED. THE OPERABLE PART OF EACH MANUAL FIRE ALARM BOX SHALL BE NOT LESS THAN 3-1/2FT AND NOT MORE THAN 4' ABOVE FLOOR LEVEL. CFC 907.4.2.2.



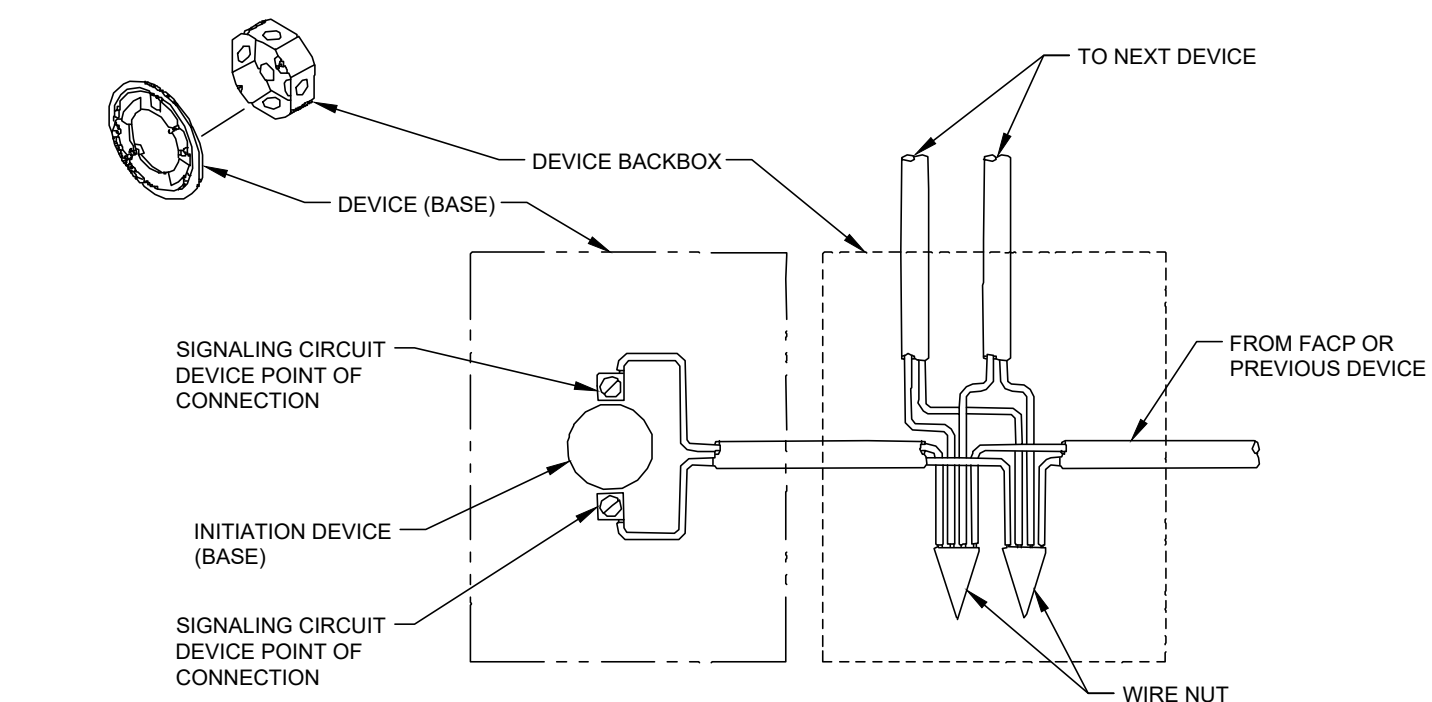
### 1 DEVICE ELEVATION DETAIL

SCALE: NTS



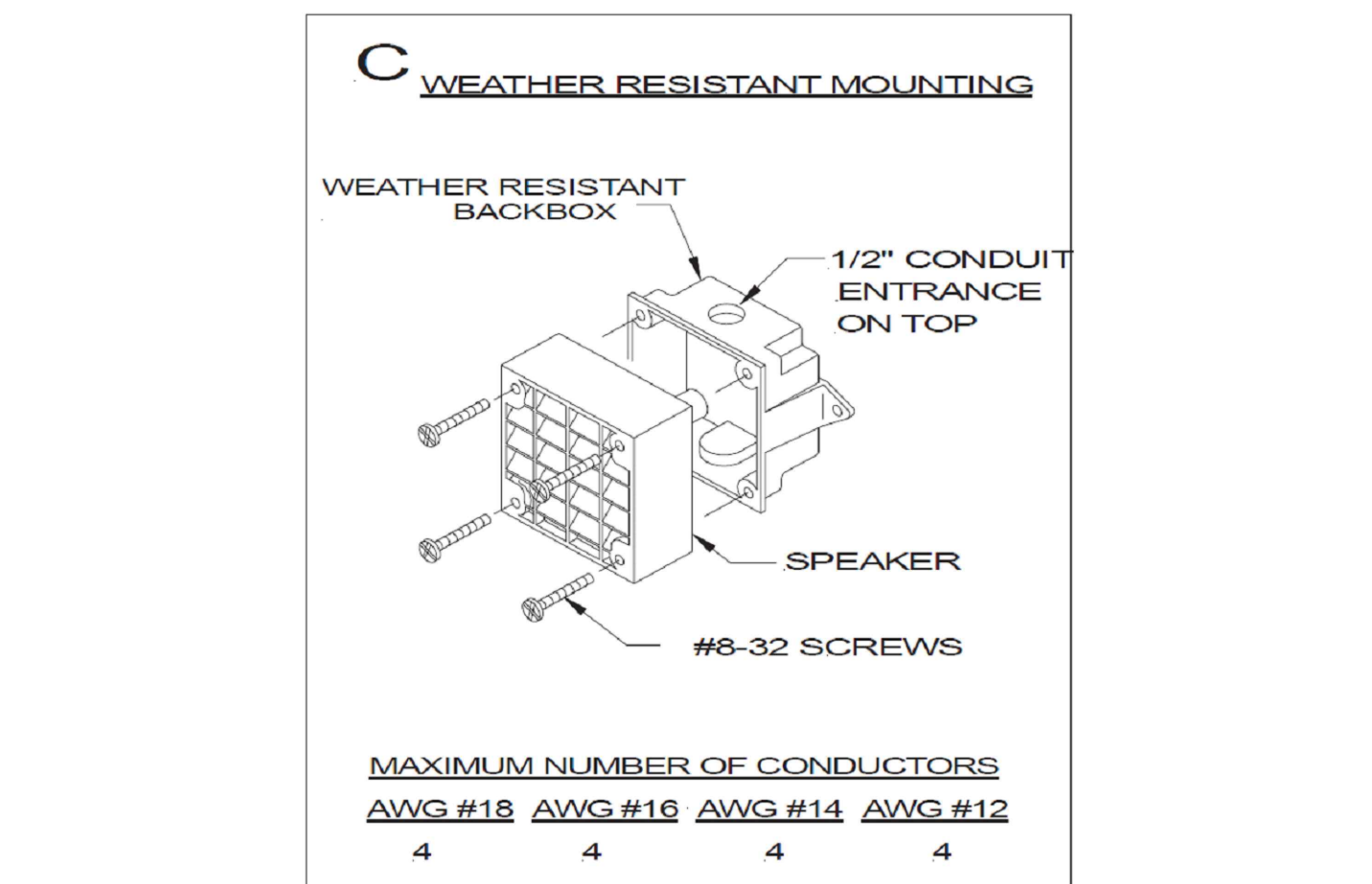
### 2 TYPICAL NOTIFICATION CIRCUIT WIRING DIAGRAM

SCALE: NTS



### 3 TYPICAL ADDRESSABLE INITIATION CIRCUIT WIRING DIAGRAM

SCALE: NTS



### 4 WEATHER PROOF NOTIFICATION DEVICE BACKBOX DETAIL

SCALE: NTS

PMSM  
ARCHITECTS

19.6  
ARCHITECTS

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AGENCY APPROVAL

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DIV. OF THE STATE ARCHITECT  
OFFICE OF REGULATION SERVICES

A# 03-\_\_\_\_\_  
AC \_\_\_\_\_ FLS \_\_\_\_\_ SS \_\_\_\_\_  
DATE \_\_\_\_\_

REVISIONS

THE ARCHITECT DOES NOT REPRESENT THAT THESE PLANS OR THE SPECIFICATIONS ARE SUITABLE FOR ANY SITE OTHER THAN THE ONE FOR WHICH THEY WERE SPECIFICALLY PREPARED. THE ARCHITECT DISCLAIMS RESPONSIBILITY FOR THESE PLANS AND SPECIFICATIONS IF THEY ARE USED IN WHOLE OR IN PART AT ANY OTHER SITE

PROJECT OWNER & TITLE  
HUENEME ELEMENTARY  
SCHOOL DISTRICT  
HUENEME ELEMENTARY  
SCHOOL-  
RELOCATABLE RESTROOM  
BUILDING ADDITION  
354 NORTH 3RD STREET  
PORT HUENEME, CA 93041

SHEET TITLE

FIRE ALARM  
RISER DIAGRAM

DRAWN BY:

JOB NUMBER: 18102.01

SHEET NO.

E-011

DATE: JUNE 7, 2019



Drawing name: N:\2018\18103-Hueneme-ES-Restroom\Engineering\Condos\Sheettiles-Elec\18103-E-01-E-012\_FA-Riser.dwg

PLOT BY: Above Grade PLOT DATE: Jun 07, 2019 - 4:40pm

BATTERY CALCULATIONS - Fire Alarm Control Panel "FACP-RR"									
HESD - HUENEME ES PORTABLE RESTROOM ADDITION									
		STANDBY CURRENT				ALARM CURRENT			
EQUIPMENT AND MODULES	MANUFACTURER / MODEL	QTY	DRAW	TOTAL		DRAW	TOTAL		
Main FACP Panel Modules:	Gamewell / E3								
Motherboard / 2 SLC / 2 NAC	ILI-MB-E3	1	0.081000	0.08100 Amps		0.1500	0.1500 Amps		
LCD Display Module	LCD-SLP	1	0.030000	0.03000 Amps		0.0650	0.0650 Amps		
Power Supply	PM-9	1	0.050000	0.05000 Amps		0.0500	0.0500 Amps		
Switch / Control Module	ASM-16	1	0.011000	0.01100 Amps		0.0300	0.0300 Amps		
Network Repeater Module	RPT-E3	1	0.016000	0.01600 Amps		0.0170	0.0170 Amps		
DACT Module	DACT-E3	1	0.018000	0.01800 Amps		0.0180	0.0180 Amps		
Voice Module	INI-VGX	1	0.150000	0.15000 Amps		0.1500	0.1500 Amps		
50 Watt Amplifier (2 Circuits - Max Draw @ 50w)	AM-50	1	0.086000	0.08600 Amps		2.2060	2.2060 Amps		
Fiber Transceiver	FMLE-E3	1	0.053000	0.05300 Amps		0.0530	0.0530 Amps		
Microphone (Current Draw included in INI-VGX)	INCC-MIC	1	0.000000	0.00000 Amps		0.0000	0.0000 Amps		
Remote Annunciator	Gamewell / LCD-SLP	1	0.030000	0.03000 Amps		0.065000	0.0650 Amps		
ADDRESSABLE DEVICES									
Smoke Detector	Gamewell / ASD-PL2F	11	0.000300	0.00330 Amps		0.00650	0.0715 Amps		
Heat Detector 135 Degree	Gamewell / ATD-L2F	0	0.000300	0.00000 Amps		0.00650	0.0000 Amps		
Heat Detector 190 Degree	Gamewell / ATD-HL2F	13	0.000300	0.00390 Amps		0.00650	0.0845 Amps		
Multi-Criteria Fire/CO Detector	Gamewell / MCS-COF	0	0.000300	0.00000 Amps		0.00720	0.0000 Amps		
Manual Pull Station	Gamewell / MS-TASF	1	0.000300	0.00030 Amps		0.00300	0.0030 Amps		
Monitor Module	Gamewell / AMM-2F	0	0.000400	0.00000 Amps		0.00060	0.0000 Amps		
Dual Monitor Module	Gamewell / AMM-2IF	0	0.007500	0.00000 Amps		0.00570	0.0000 Amps		
Control Relay Module	Gamewell / AOM-2RF	0	0.000400	0.00000 Amps		0.00650	0.0000 Amps		
Control Module, Supervised	Gamewell / AOM-2SF	0	0.000300	0.00000 Amps		0.00030	0.0000 Amps		
NOTIFICATION DEVICES									
15cd Visual (Strobe)	System Sensor / SRL	5	0.00000	0.00000 Amps		0.04300	0.2150 Amps		
30cd Visual (Strobe)	System Sensor / SRL	0	0.00000	0.00000 Amps		0.06300	0.0000 Amps		
75cd Visual (Strobe)	System Sensor / SRL	0	0.00000	0.00000 Amps		0.10700	0.0000 Amps		
110cd Visual (Strobe)	System Sensor / SRL	0	0.00000	0.00000 Amps		0.14800	0.0000 Amps		
15cd Visual (Combination Speaker/Visual)	System Sensor / SPSRL	0	0.00000	0.00000 Amps		0.04300	0.0000 Amps		
30cd Visual (Combination Speaker/Visual)	System Sensor / SPSRL	0	0.00000	0.00000 Amps		0.06300	0.0000 Amps		
75cd Visual (Combination Speaker/Visual)	System Sensor / SPSRL	5	0.00000	0.00000 Amps		0.10700	0.5350 Amps		
110cd Visual (Combination Speaker/Visual)	System Sensor / SPSRL	0	0.00000	0.00000 Amps		0.14800	0.0000 Amps		
1/8 watt Speaker (Combination Speaker/Visual)	System Sensor / SPSRL	0	0.00000	0.00000 Amps		0.00500	0.0000 Amps		
1/4 watt Speaker (Combination Speaker/Visual)	System Sensor / SPSRL	4	0.00000	0.00000 Amps		0.01000	0.0400 Amps		
1/2 watt Speaker (Combination Speaker/Visual)	System Sensor / SPSRL	1	0.00000	0.00000 Amps		0.02000	0.0200 Amps		
1/8 watt Speaker (Exterior Weatherproof)	System Sensor / SPRK	0	0.00000	0.00000 Amps		0.00500	0.0000 Amps		
1/4 watt Speaker (Exterior Weatherproof)	System Sensor / SPRK	0	0.00000	0.00000 Amps		0.01000	0.0000 Amps		
1/2 watt Speaker (Exterior Weatherproof)	System Sensor / SPRK	0	0.00000	0.00000 Amps		0.02000	0.0000 Amps		
1 watt Speaker (Exterior Weatherproof)	System Sensor / SPRK	0	0.00000	0.00000 Amps		0.04000	0.0000 Amps		
2 watt Speaker (Exterior Weatherproof)	System Sensor / SPRK	4	0.00000	0.00000 Amps		0.08000	0.3200 Amps		
TOTAL STANDBY			0.5325 Amps			TOTAL ALARM			4.0930 Amps
0.5325 AMPS x 24 HOURS			12.7800			Amp Hr			STANDBY LOAD
4.0930 AMPS x 15 MIN (0.25hr) =			1.0233			Amp Hr			ALARM LOAD
			13.8033			AMP HR			TOTAL LOAD
			1.20			DERATE FACTOR			
			16.5639			AMP HOURS			REQUIRED
			1.4361			AMP HOURS SPARE CAPACITY			
			USE			18 AMP HOUR BATTERIES			

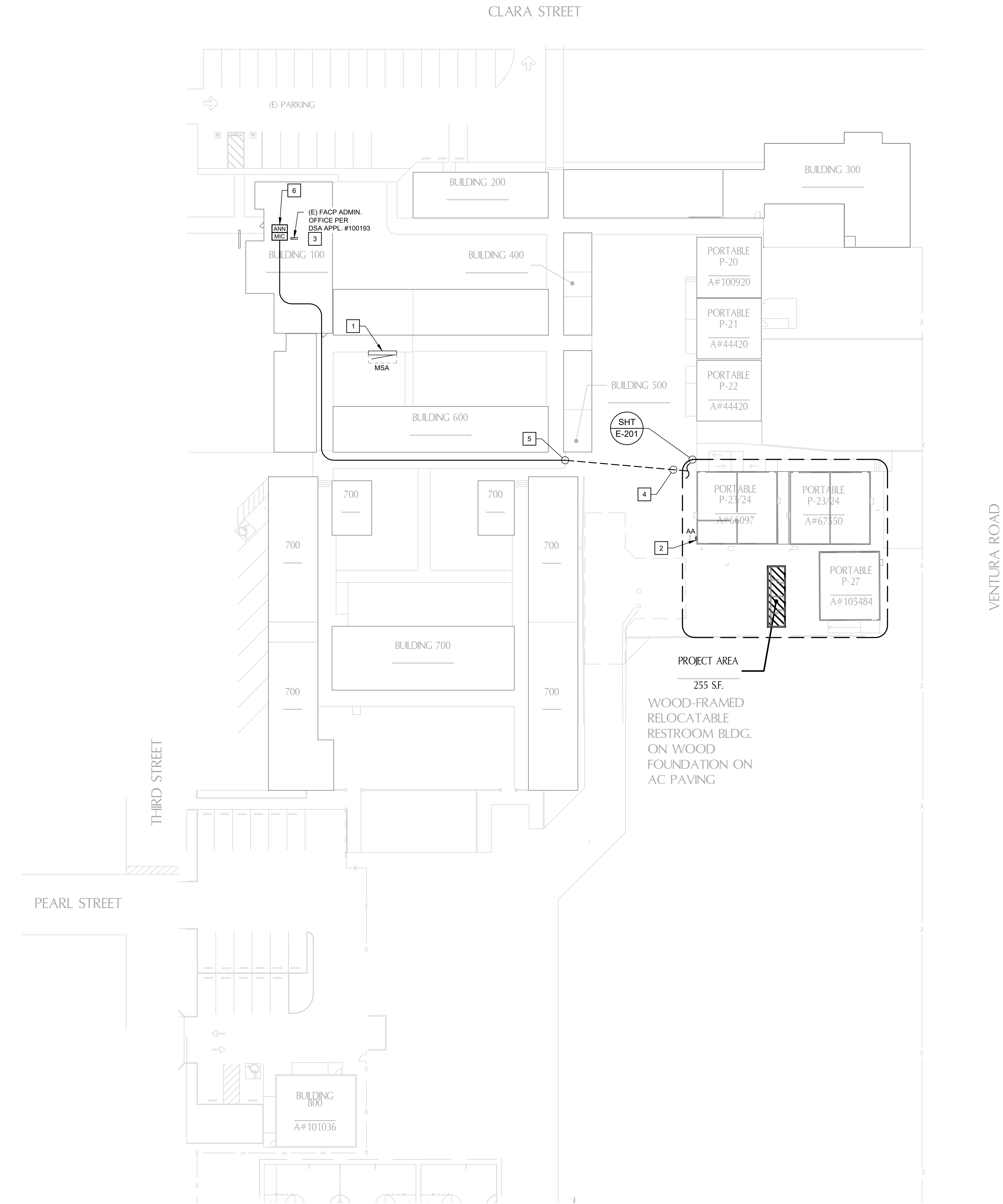
Voltage Drop Calculations - Visual NAC's - Fire Alarm Control Panel "FACP-RR"											
HESD - HUENEME ES PORTABLE RES TROOM ADDITION											
VISUAL CIRCUIT #1											
ID	Device	Manufacturer / Model	Settings	Device Current	Current at Device	Distance	AWG	Panel Voltage	Voltage Drop	Ohm/Foot	
V1-01	Visual (Combination Speaker/Visual)	System Sensor / SPSRL	75 cd	0.107 Amps	0.750 Amps	45 Feet	14 AWG	24	0.215 Volts	0.003190	
V1-02	Visual (Combination Speaker/Visual)	System Sensor / SPSRL	75 cd	0.107 Amps	0.643 Amps	95 Feet	14 AWG	24	0.390 Volts	0.003190	
V1-03	Visual (Combination Speaker/Visual)	System Sensor / SPSRL	75 cd	0.107 Amps	0.536 Amps	2 Feet	14 AWG	24	0.007 Volts	0.003190	
V1-04	Visual (wall)	System Sensor / SRL	15 cd	0.043 Amps	0.429 Amps	90 Feet	14 AWG	24	0.246 Volts	0.003190	
V1-05	Visual (wall)	System Sensor / SRL	15 cd	0.043 Amps	0.386 Amps	10 Feet	14 AWG	24	0.025 Volts	0.003190	
V1-06	Visual (wall)	System Sensor / SRL	15 cd	0.043 Amps	0.343 Amps	15 Feet	14 AWG	24	0.033 Volts	0.003190	
V1-07	Visual (wall)	System Sensor / SRL	15 cd	0.043 Amps	0.300 Amps	10 Feet	14 AWG	24	0.019 Volts	0.003190	
V1-08	Visual (Combination Speaker/Visual)	System Sensor / SPSRL	75 cd	0.107 Amps	0.257 Amps	85 Feet	14 AWG	24	0.139 Volts	0.003190	
V1-09	Visual (Combination Speaker/Visual)	System Sensor / SPSRL	75 cd	0.107 Amps	0.150 Amps	2 Feet	14 AWG	24	0.002 Volts	0.003190	
V1-10	Visual (wall)	System Sensor / SRL	15 cd	0.043 Amps	0.043 Amps	15 Feet	14 AWG	24	0.004 Volts	0.003190	
V1-11			cd	Amps	0.000 Amps	Feet	12 AWG	24	0.000 Volts	0.002010	
V1-12			cd	Amps	0.000 Amps	Feet	12 AWG	24	0.000 Volts	0.002010	
V1-13			cd	Amps	0.000 Amps	Feet	12 AWG	24	0.000 Volts	0.002010	
V1-14			cd	Amps	0.000 Amps	Feet	12 AWG	24	0.000 Volts	0.002010	
V1-15			cd	Amps	0.000 Amps	Feet	12 AWG	24	0.000 Volts	0.002010	
V1-16			cd	Amps	0.000 Amps	Feet	12 AWG	24	0.000 Volts	0.002010	
V1-17			cd	Amps	0.000 Amps	Feet	12 AWG	24	0.000 Volts	0.002010	
V1-18			cd	Amps	0.000 Amps	Feet	12 AWG	24	0.000 Volts	0.002010	
V1-19			cd	Amps	0.000 Amps	Feet	12 AWG	24	0.000 Volts	0.002010	
V1-20			cd	Amps	0.000 Amps	Feet	12 AWG	24	0.000 Volts	0.002010	
Total Current:				0.750 Amps	Total Distance:	369 Feet					
								Voltage Drop	1.080 Volts		
85% OF 24V CIRCUIT VOLTAGE (PER NFPA 72, 10.3.5(1)):								20.4 Volts			
								Voltage at Final Device	22.9 Volts		
								% Voltage Drop	4.501 %		
MAXIMUM ALLOWED % VOLTAGE DROP:								10 %			

Voltage & dB Drop Calculations - Speaker NAC's - Fire Alarm Control Panel "FACP-RR"											
HESD - HUENEME ES PORTABLE RESTROOM ADDITION											
SPEAKER CIRCUIT #1											
ID	Device		Settings	Device Current	Current at Device	Distance	AWG	Panel Voltage	Voltage Drop		
S1-01	Speaker (Combination Speaker/Visual)	System Sensor / SPSRL	0.5 Watts	0.020 Amps	0.380 Amps	45 Feet	14 AWG	25	0.1091 Volts		0.003190
S1-02	Speaker, Weatherproof	System Sensor / SPRK	2 Watts	0.080 Amps	0.360 Amps	13 Feet	14 AWG	25	0.0299 Volts		0.003190
S1-03	Speaker (Combination Speaker/Visual)	System Sensor / SPSRL	0.25 Watts	0.010 Amps	0.280 Amps	108 Feet	14 AWG	25	0.1929 Volts		0.003190
S1-04	Speaker (Combination Speaker/Visual)	System Sensor / SPSRL	0.25 Watts	0.010 Amps	0.270 Amps	2 Feet	14 AWG	25	0.0034 Volts		0.003190
S1-05	Speaker, Weatherproof	System Sensor / SPRK	2 Watts	0.080 Amps	0.260 Amps	35 Feet	14 AWG	25	0.0581 Volts		0.003190
S1-06	Speaker, Weatherproof	System Sensor / SPRK	2 Watts	0.080 Amps	0.180 Amps	140 Feet	14 AWG	25	0.1608 Volts		0.003190
S1-07	Speaker (Combination Speaker/Visual)	System Sensor / SPSRL	0.25 Watts	0.010 Amps	0.100 Amps	100 Feet	14 AWG	25	0.0638 Volts		0.003190
S1-08	Speaker (Combination Speaker/Visual)	System Sensor / SPSRL	0.25 Watts	0.010 Amps	0.090 Amps	2 Feet	14 AWG	25	0.0011 Volts		0.003190
S1-09	Speaker, Weatherproof	System Sensor / SPRK	2 Watts	0.080 Amps	0.080 Amps	35 Feet	14 AWG	25	0.0179 Volts		0.003190
S1-10			Watts	0.000 Amps	0.000 Amps	Feet	12 AWG	25	0.0000 Volts		0.002010
S1-11			Watts	0.000 Amps	0.000 Amps	Feet	12 AWG	25	0.0000 Volts		0.002010
S1-12			Watts	0.000 Amps	0.000 Amps	Feet	12 AWG	25	0.0000 Volts		0.002010
S1-13			Watts	0.000 Amps	0.000 Amps	Feet	12 AWG	25	0.0000 Volts		0.002010
S1-14			Watts	0.000 Amps	0.000 Amps	Feet	12 AWG	25	0.0000 Volts		0.002010
S1-15			Watts	0.000 Amps	0.000 Amps	Feet	12 AWG	25	0.0000 Volts		0.002010
S1-16			Watts	0.000 Amps	0.000 Amps	Feet	12 AWG	25	0.0000 Volts		0.002010
S1-17			Watts	0.000 Amps	0.000 Amps	Feet	12 AWG	25	0.0000 Volts		0.002010
S1-18			Watts	0.000 Amps	0.000 Amps	Feet	12 AWG	25	0.0000 Volts		0.002010
S1-19			Watts	0.000 Amps	0.000 Amps	Feet	12 AWG	25	0.0000 Volts		0.002010
S1-20			Watts	0.000 Amps	0.000 Amps	Feet	12 AWG	25	0.0000 Volts		0.002010
					0.000						
			Total Current:	0.380 Amps	Total Distance:	480 Feet					



Drawing name: N:\2018\18103-Hueneme-ES-Restroom\Engineering\Condos\Sheed\Elec\18103-E-101\_Site.dwg

PLOT BY: Above Grade PLOT DATE: Jun 07, 2019 - 4:41pm



SITE PLAN REFERENCE NOTES	
GENERAL NOTES:	
- TRENCHING AND BACKFILLING FOR ALL CONDUIT SYSTEMS SHALL BE THE RESPONSIBILITY OF THE ELECTRICAL CONTRACTOR. ALL CONDUITS SHALL HAVE MINIMUM COVER REQUIREMENTS AS SPECIFIED IN CEC 300-5. MORE STRINGENT DEPTH REQUIREMENTS MAY BE SPECIFIED AND MUST BE ADHERED TO. JOINT TRENCHING MAY BE UTILIZED WHERE PRACTICAL AND WHERE PERMITTED BY THIS SPECIFICATION.	
- LOCATIONS OF EXISTING UG UTILITY SYSTEMS SHALL BE DETERMINED BY CALLING UNDERGROUND SERVICE ALERT (USA). WHEN PLANNING UG WORK, AND BEFORE YOU DIG, CONTACT UNDERGROUND SERVICE ALERT (USA) AT LEAST 48 HOURS PRIOR TO EXCAVATION (WEEKEND EXCLUDED) FOR THE LOCATION OF UNDERGROUND GAS AND ELECTRIC LINES OR EQUIPMENT	
- MAINTAIN REQUIRED CLEARANCES FROM ALL SANITARY SEWER, WATER, AND STORM DRAIN PIPING. REFER TO CIVIL PLANS FOR EXACT LOCATIONS AND DEPTHS OF PIPING.	
- ELECTRICAL WORK ON SITE IS SHOWN FOR REFERENCE ONLY AND EXACT ROUTING, LOCATIONS, ETC. SHALL BE COORDINATED WITH OTHER TRADES. VERIFY EXACT EQUIPMENT LOCATIONS AND POINTS OF CONNECTION PRIOR TO TRENCHING AND ROUGH-IN.	
- REFER TO CIVIL AND/OR ARCHITECTURAL SITE PLANS FOR DESCRIPTION OF ALL SURFACES, EXISTING AND NEW. PROVIDE SAWCUTTING/PATCHING AS REQUIRED AND RESTORATION OF SURFACES TO MATCH EXISTING.	
1	(E) MAIN SWITCHBOARD "MSA". SEE SINGLE LINE DIAGRAM.
2	(E) DISTRIBUTION PANEL "AA". PROVIDE (N) 100A, 2P BREAKER IN EXISTING PANEL FOR RELOCATABLE RESTROOM BUILDING PANEL "RR".
3	(E) MAIN CAMPUS "FACP" TO REMAIN. (N) SYSTEM FIRE ALARM COMPONENTS WILL INTERCONNECT INTO (E) SYSTEM; SEE FIRE ALARM RISER DIAGRAM, SHEET E-011, FOR FURTHER INFORMATION.
4	SEE FLOOR PLAN SHEET E-201 FOR CONTINUATION. SEE FLOOR PLAN FOR FIRE ALARM CONDUIT REQUIREMENTS. SEE FIRE ALARM RISER DIAGRAM FOR CABLE REQUIREMENTS.
5	FIRE ALARM CONDUIT ROUTED FROM UNDERGROUND, UP SHADE CANOPY EXTERIOR, AND ATOP SHADE CANOPY; ROUTE ATOP SHADE CANOPY, BUILDING ROOFS, AND THROUGH ADMINISTRATION BUILDING (BLDG. #100) ATTIC SPACE AS NECESSARY. SEE FLOOR PLAN FOR FIRE ALARM CONDUIT REQUIREMENTS. SEE FIRE ALARM RISER DIAGRAM FOR CABLE REQUIREMENTS.
6	FIRE ALARM REMOTE ANNUNCIATOR AND EVAC MICROPHONE FOR NEW RESTROOM BUILDING STANDALONE FIRE ALARM SYSTEM. COORDINATE EXACT LOCATION WITH ARCHITECT.

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196  
ARCHITECTS

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06/07/2019 #18103

06/12/2019  
A#03-  
STATE OF CALIFORNIA

06/07/2019 #18103

PRELIMINARY

A.G.E.

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DIV. OF THE STATE ARCHITECT  
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DATE

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PROJECT OWNER & TITLE

HUENEME ELEMENTARY  
SCHOOL DISTRICT  
HUENEME ELEMENTARY  
SCHOOL-  
RELOCATABLE RESTROOM  
BUILDING ADDITION  
354 NORTH 3RD STREET  
PORT HUENEME, CA 93041

SHEET TITLE

SITE PLAN

DRAWN BY: JOB NUMBER: 18102.01

SHEET NO.

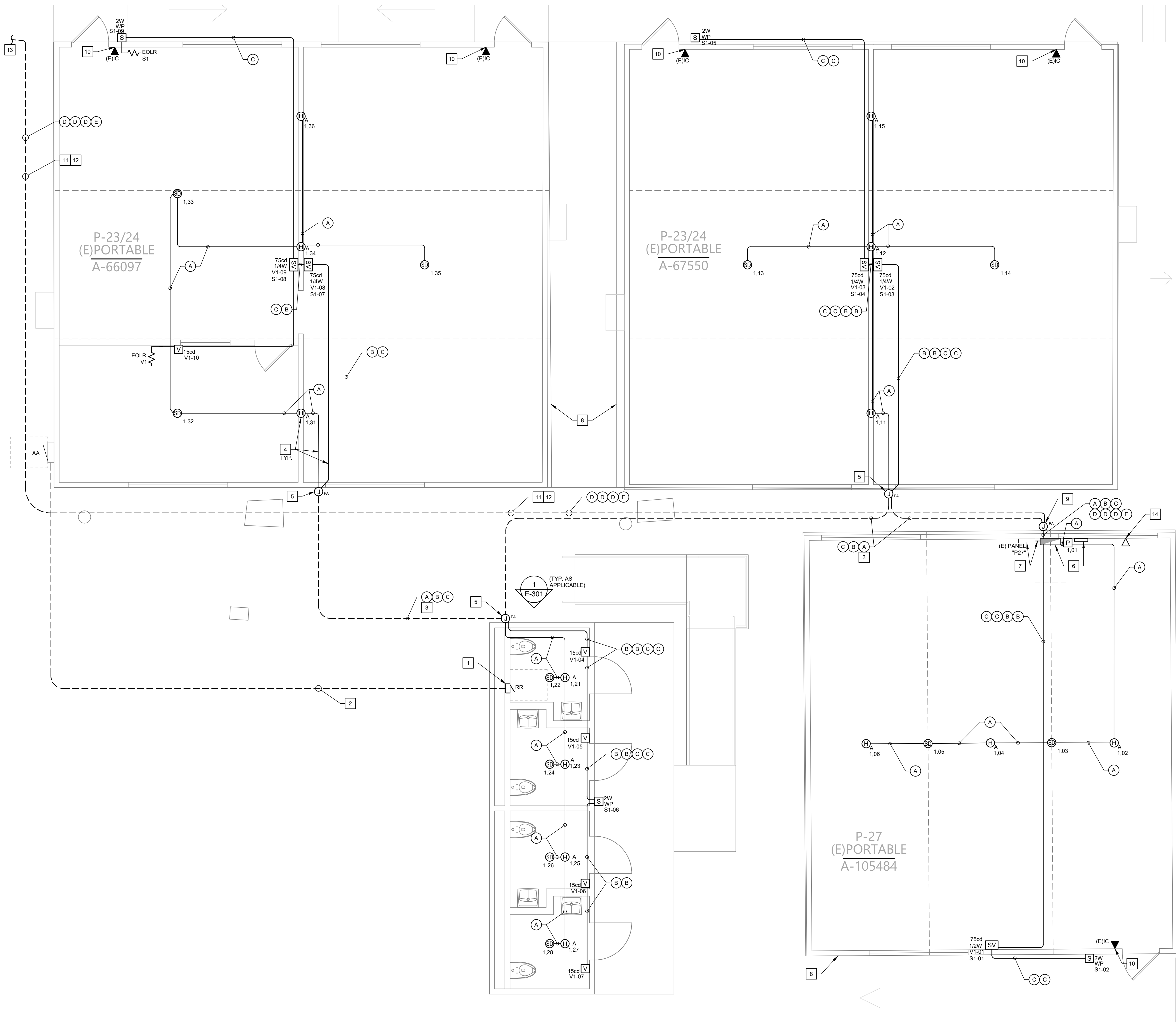
E-101

DATE: JUNE 7, 2019



Drawing name: N:\2018\18103-Hueneme-ES-Restroom\Engineering\Condos\Sheets\Elec\18103-E-201\_ElecFtr.dwg

PLOT BY: Above Grade PLOT DATE: Jun 07, 2019 - 4:41pm



REFERENCE NOTES - POWER & SIGNAL	
NOTES:	
- PENETRATIONS IN FIRE-RESISTANCE-RATED WALLS AND CEILINGS SHALL BE PER CBC 714. STEEL ELECTRICAL BOXES SHALL NOT EXCEED 16 SQUARE INCHES. AGGREGATE AREA SHALL NOT EXCEED 100 SQUARE INCHES IN ANY 100 SQUARE FEET OF WALL OR CEILING AREA. ELECTRICAL BOXES SHALL BE LISTED AND TESTED FOR USE IN FIRE-RESISTANCE-RATED ASSEMBLIES.	
1	(N) RELOCATABLE SUB-PANEL "RR" INSTALLED BY BUILDING MANUFACTURER FOR (N) RELOCATABLE RESTROOM BUILDING. VERIFY EXACT LOCATION AND POINT OF CONNECTION. PROVIDE GROUNDING IN ACCORDANCE TO DETAIL 2 ON SHEET E-301.
2	POWER FEEDER FROM (E) DISTRIBUTION PANEL "AA" TO (N) RELOCATABLE RESTROOM SUB-PANEL "RR". SEE SINGLE LINE DIAGRAM FOR REQUIREMENTS.
3	(N)(1) 1" C FOR FIRE ALARM SIGNAL LINE AND NOTIFICATION APPLIANCE CIRCUITS ROUTED UNDERGROUND BETWEEN BUILDINGS.
4	SEE FIRE ALARM RISER DIAGRAM FOR CABLE AND DEVICE DESIGNATION.
5	(N) FIRE ALARM J-BOX: 8"W x 8"H x 4"D, NEMA 3R, HINGED WITH LOCKING T-HANDLE. LABEL "FIRE ALARM". FIELD DETERMINE EXACT LOCATION.
6	(N) STAND-ALONE FIRE ALARM & EVAC SYSTEM CONTROL PANEL "FACP-RR" AND CELLULAR DIALER. SEE FIRE ALARM RISER DIAGRAM FOR REQUIREMENTS.
7	(E) PORTABLE CLASSROOM "P27" PANEL TO REMAIN. INSTALL (N)(1) 20A/1P DEDICATED BRANCH CIRCUIT(S) FOR FIRE ALARM CONTROL PANEL "FACP-RR" PER NFPA 72 10.6.5.1. PROVIDE (N) CIRCUIT BREAKER. BREAKER SHALL HAVE RED MARKING PER NFPA 72 10.6.5.2.3. HAVE A LISTED LOCKING DEVICE INSTALLED PER NFPA 72 10.6.5.4, AND MATCH EXISTING MANUFACTURER, TYPE, AND A.I.C. RATING. BREAKER SHALL BE PERMANENTLY IDENTIFIED AS "FIRE ALARM" PER NFPA 72 10.6.5.2.2.
8	EXISTING BUILDING. PROVIDE NEW FIRE ALARM AND EVAC SYSTEM DEVICES AND CABLES AS INDICATED AND PER THE FIRE ALARM RISER DIAGRAM. PROVIDE CONNECTION TO NEW STAND ALONE FIRE ALARM / EVAC SYSTEM. ALL OTHER SYSTEM DEVICES/EQUIPMENT TO REMAIN U.O.N.
9	(N) FIRE ALARM J-BOX: 18"W x 18"H x 8"D, NEMA 3R, HINGED WITH LOCKING T-HANDLE. LABEL "FIRE ALARM". FIELD DETERMINE EXACT LOCATION.
10	(E) INTERCOM SYSTEM CALL STATION FOR TWO-WAY COMMUNICATION WITH THE ADMINISTRATION OFFICE AS REQUIRED FOR A STAND-ALONE FIRE ALARM SYSTEM BY 2016 CBC 907.2.3.1 EXCEPTION NOTE 2.
11	(1) 2" MINIMUM CONDUIT FOR FIRE ALARM REMOTE ANNUNCIATOR CABLES, EVAC REMOTE MICROPHONE CABLES, AND FUTURE FIBER (FOR INTERCONNECTION WITH FORTHCOMING CAMPUS SYSTEM UPGRADE). COORDINATE ROUTING WITH ARCHITECT FROM STAND ALONE SYSTEM IN PORTABLE CLASSROOM "P-27" BUILDING TO ADMINISTRATION BUILDING.
12	PROVIDE PULLBOXES FLUSH IN GRADE AS REQUIRED (NOT SHOWN). MINIMUM 11"x17" TRAFFIC RATED LABELED "FIRE ALARM" AS APPLICABLE. SAWCUT AND PATCH EXISTING HARDSCAPE TO MATCH EXISTING.
13	SEE SITE PLAN FOR CONTINUATION.
14	PROVIDE CONNECTION FROM FIRE ALARM COMMUNICATOR TO CAMPUS VOIP SYSTEM OR CAMPUS IDF LOCATION (FIELD LOCATE NEAREST EXISTING TELECOMMUNICATIONS/SIGNAL SYSTEMS CABINET). VERIFY CABLE AND CONNECTOR TYPE WITH DISTRICT.

② FIRE ALARM CABLE TYPE AS DESCRIBED IN THE FIRE ALARM WIRE LEGEND, SHEET E-011.

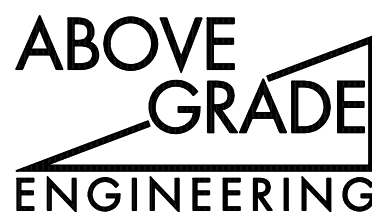
ELECTRICAL FLOOR PLAN  
SCALE: 1/4" = 1'-0"



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DATE \_\_\_\_\_

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PROJECT OWNER & TITLE

HUENEME ELEMENTARY  
SCHOOL DISTRICT  
HUENEME ELEMENTARY  
SCHOOL-  
RELOCATABLE RESTROOM  
BUILDING ADDITION  
354 NORTH 3RD STREET  
PORT HUENEME, CA 93041

SHEET TITLE

ELECTRICAL  
FLOOR PLAN

DRAWN BY:

JOB NUMBER: 18102.01

SHEET NO.

E-201

DATE: JUN 7, 2019



Drawing name: N:\2018\18103-Hueneme-ES-Restroom\Engineering\Condos\Sheedlines-Elec\18103-E-301\_ElecDtls.dwg

PLOT BY: Above Grade PLOT DATE: Jun 07, 2019 - 4:41pm

10

NOT USED

SCALE: NTS

11

NOT USED

SCALE: NTS

12

NOT USED

SCALE: NTS

13

NOT USED

SCALE: NTS

GENERAL NOTES:  
1. CONCRETE FILL TO BE THE SAME WIDTH AS FOOTING AND FULL WIDTH OF PIPE TRENCH. (BACKFILL PER SPECIFICATIONS).  
2. CENTER PIPE IN PVC OR GALVANIZED METAL SLEEVE THAT HAS A MIN. I.D. 2" GREATER THAN THE PIPE O.D.  
3. WATERPROOF OPENING AROUND PIPE PER GENERAL SPECIFICATIONS.  
4. COORDINATE INSTALLATION WITH STRUCTURAL ENGINEER.

NO PIPE SHALL PASS THROUGH THE FOOTING PAD.

POUR JOINT

PLACE CONCRETE FILL AROUND SLEEVES BEFORE POURING FOOTING PADS. FILL SHALL BE SAME WIDTH AS FOOTING AND FULL WIDTH OF PIPE.

LOCATE PIPE TRENCH SO THAT FOOTINGS WILL NOT BE UNDERMINED. BACKFILL AS PER SPECIFICATIONS.

1'-6" MIN.

2

1

NO EXCAVATION BELOW THIS LINE.

PROVIDE METAL SLEEVES WITH I.D. 2" GREATER THAN O.D. OF THE PIPE.

6

TYPICAL CONDUIT NEAR/THRU FOOTING DETAIL

SCALE: NTS

CONCRETE SLAB

NATIVE MATERIAL

GRS CONDUIT TO DEVICE(S) / EQUIPMENT

MINIMUM 6" SLAB EXTENSION BEYOND THE UNDERGROUND INSTALLATION

GRS CONDUIT

GRS ELBOW / PVC COATED OR TAPE-WRAPPED. SEE SPECIFICATIONS.

FOOTING WHERE OCCURRING

PVC CONDUIT(S) 3/4" MINIMUM

COUPLING

\*MINIMUM COVERAGE REQUIREMENTS CAN VARY, PER CEC T300.5, DEPENDING ON WIRING METHOD/CIRCUIT AND LOCATION.

7

CONDUIT INSTALLATION ON CONCRETE SLAB ON GRADE

SCALE: NTS

CONDUIT PENETRATION THROUGH EXISTING BUILDING WALL. SEAL PENETRATION WATER TIGHT.

CONDUIT BODY.

BUILDING EXTERIOR WALL.

SUPPORT CONDUIT FROM STRUCTURE ABOVE.

CONDUIT STRAPS AND UNISTRUT P1000 SECURED TO STRUCTURE WITH 1/4"x2-1/2" LAG SCREW @ EACH STUD.

GRS OFFSET OVER FOOTING.

FINISHED GRADE

BUILDING FINISHED FLOOR

BUILDING FOOTING

REFER TO PLANS FOR CONDUIT ROUTING, SIZE, AND QUANTITY.

NOTE: PAINT CONDUIT AND CONDUIT BODY TO MATCH EXTERIOR WALL FINISH.

8

TYPICAL CONDUIT PENETRATION DETAIL

SCALE: NTS

PROVIDE 4"x4" WOOD STUD BLOCKING ATTACHED WITH ASS CLIPS AT EACH END (TOP & BOTTOM)

ATTACH WITH 3/8" x 2-1/2" LAG SCREWS WITH 1/2" DIAMETER WASHER. (1) EACH CORNER AND AT HORIZONTAL MID POINTS. MIN. PENETRATION 1-1/2", TYP.

PANELBOARD, CABINET OR ENCLOSURE (MAXIMUM WEIGHT 200 LBS)

FINISHED FLOOR

NOTE: PREDRILL ALL BLOCKING TO PREVENT SPLITTING

9

TYPICAL SURFACE MOUNT PANEL/CABINET ON WOOD FRAME

SCALE: NTS

FINISHED GRADE PER ARCHITECTURAL AND CIVIL PLANS. CUT AND PATCH AC PAVING AND OR CONCRETE WHERE OCCURRING.

6" WIDE ELECTRICAL MARKING TAPE

NATIVE SOIL COMPACTION 95% COMPACTION

ROCK FREE FILL

DATA & SIGNAL CONDUITS (VERIFY SIZE AND QUANTITY)

ROCK FREE FILL

POWER CONDUITS (VERIFY SIZE AND QUANTITY)

12" MIN.

DIMENSION CAN VARY

\* MINIMUM COVERAGE REQUIREMENTS CAN VARY, PER CEC T300.5, DEPENDING ON WIRING METHOD/CIRCUIT AND LOCATION. 24" MINIMUM COVER IS THE WORSE CASE SCENARIO FOR 0 TO 1000V CIRCUITS.

NOTE: CONDUITS SHOWN ARE TYPICAL. VERIFY EXACT NUMBER OF CONDUITS FROM SITE PLAN AND SINGLE LINE DIAGRAM.

3

TYPICAL PULL BOX DETAIL

SCALE: NTS

FINISHED GRADE PER ARCHITECTURAL AND CIVIL PLANS. CUT AND PATCH AC PAVING AND OR CONCRETE WHERE OCCURRING.

WARNING TAPE

NATIVE SOIL BACKFILL

ROCK FREE FILL

BRANCH CIRCUIT, FEEDER CONDUITS

2"

24" MIN.

2"

\* MINIMUM COVERAGE REQUIREMENTS CAN VARY, PER CEC T300.5, DEPENDING ON WIRING METHOD/CIRCUIT AND LOCATION. 24" MINIMUM COVER IS THE WORSE CASE SCENARIO FOR 0 TO 1000V CIRCUITS.

NOTE: CONDUITS SHOWN ARE TYPICAL. VERIFY EXACT NUMBER OF CONDUITS FROM SITE PLAN AND SINGLE LINE DIAGRAM.

5

TYPICAL FEEDER/BRANCH CIRCUIT TRENCH DETAIL

SCALE: NTS

ELECTRICAL PANEL

PANEL BONDED TO GROUND CONDUCTOR

RIGID CONDUIT W/ CONDUIT ATTACHED TO WALL WITH 2-HOLE STRAPS

#6 GROUNDING ELECTRODE CONDUCTOR

GRS CONDUIT

CONDUIT BODY TEE FOR SEPARATE CONDUCTOR GROUND BONDED TO METAL BUILDING FRAME

BOND ENDS OF METALIC CONDUIT (CEC, SECTION 250.64 (E))

BOND ENDS OF METALIC CONDUIT (CEC, SECTION 250.64(E))

BRASS "GAR" TYPE GROUNDING CLAMP

CONCRETE GROUND BOX MOUNTED FLUSH IN GROUND. LABEL "GROUND"

5/8" DIA X 8'-0" LONG GROUND ROD PER CEC 250.52(A)(5)(b)

IF ADDITIONAL GROUND ROD IS NECESSARY ROUTE CONDUIT U.G. TO ADDITIONAL CONCRETE GROUND BOX

1

TYPICAL RELOCATABLE BUILDING REAR ELEVATION

SCALE: NTS

REINFORCED CONCRETE COVER (RATING TO SUIT APPLICATION) WITH HOLD DOWN BOLTS. PRE-STAMP COVER WITH CONTAINED SYSTEM.

FINISHED GRADE

PRECAST REINFORCED CONCRETE BOX. SIZE PER PLANS

SEAL AROUND CONDUIT, BOX AND EXTENSION JUNCTION

BELL END

GROUT

1" DIA DRAIN HOLE

PRECAST REINFORCED EXTENSION

CRUSHED ROCK SUMP

#15 ROOFING PAPER BETWEEN GROUT AND CRUSHED ROCK

6" ON EACH SIDE

2

TYPICAL RELOCATABLE BUILDING GROUND/BOND DETAIL

SCALE: NTS

REFERENCE NOTES	
THESE REPRESENTATIONS ARE APPROXIMATE ONLY. BEFORE CONSTRUCTION, FIELD VERIFY EXISTING CONDITIONS AND EXACT LOCATIONS OF EQUIPMENT.	
1	(N) UNDERGROUND POWER FEEDER. REFER TO PLANS AND SINGLE LINE DIAGRAM.
2	POWER PANEL PROVIDED AND INSTALLED BY BUILDING MANUFACTURER. VERIFY EXACT LOCATION AND POINT OF CONNECTION.
3	(N) POWER FEEDER AND GROUNDING SYSTEM SURFACE MOUNTED GRS CONDUIT AND CONDUIT BODY ENTRIES INTO BUILDING POWER PANEL. SEE SINGLE LINE DIAGRAM AND GROUND/BOND DETAIL.
4	(N) SIGNAL SYSTEMS UNDERGROUND CONDUIT. REFER TO PLANS.
5	(N) SIGNAL SYSTEMS SURFACE MOUNTED GRS CONDUIT. REFER TO PLANS FOR ADDITIONAL INFORMATION.
6	(N) SIGNAL SYSTEM TERMINAL CABINET. REFER TO PLANS FOR ADDITIONAL INFORMATION.
7	INSTALL PVC TAPEWRAP ON GRS CONDUIT FROM 6" ABOVE GRADE TO 24" BELOW GRADE. TYP.
8	GROUND/BOX FLUSH IN GRADE PER GROUND/BOND DETAIL.
9	SEE PLANS FOR CONTINUATION AND REQUIREMENTS.
10	(N) FIRE ALARM JUNCTION BOX. SEE PLANS FOR LOCATIONS AND ADDITIONAL REQUIREMENTS.
11	(N) FIRE ALARM SYSTEM UNDERGROUND CONDUIT. SEE FIRE ALARM FLOOR PLANS AND RISER DIAGRAM.
12	NOT USED.
13	(N) FIRE ALARM AND SIGNAL SYSTEM SURFACE MOUNTED GRS CONDUIT AND CONDUIT BODY ENTRIES INTO BUILDING INTERIOR ABOVE-CEILING SPACE AS FOLLOWS: - (1)1"C FOR FIRE ALARM WITH CONDUCTORS PER FIRE ALARM RISER DIAGRAM

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19.6  
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CONSULTANT STAMP

LICENSED ARCHITECT  
E. ALVARADO  
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STATE OF CALIFORNIA  
06/12/2019  
06/07/2019 #18103

Preliminary

06/12/2019  
06/07/2019  
06/07/2019

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PROJECT OWNER & TITLE

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SCHOOL DISTRICT  
HUENEME ELEMENTARY  
SCHOOL-  
RELOCATABLE RESTROOM  
BUILDING ADDITION  
354 NORTH 3RD STREET  
PORT HUENEME, CA 93041

SHEET TITLE

DETAILS

DRAWN BY:

JOB NUMBER: 18102.01

SHEET NO.

E-301

DATE: JUNE 7, 2019



MANUFACTURED RELOCATABLE  
MODULAR BUILDINGS

SINGLE OCCUPANCY TOILET BUILDINGS

~~8'-6" x 15'-6"~~,

~~8'-6" x 21'-6"~~,

8'-6" x 30'-0"

PC # 04 - 114148 - HIGH SEISMIC

PREPARED FOR:

HUNEME ELEMENTARY SCHOOL  
ELITE MODULAR  
STOCK PILE #21

FOR :

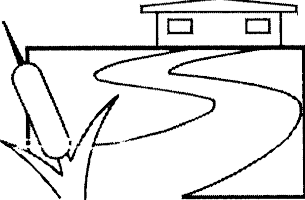
~~(1) 8'-6" x 15'-6" TOILET BUILDING~~  
~~(2) 8'-6" x 21'-6" TOILET BUILDING~~  
(1) ~~X~~ 8'-6" x 30'-0" TOILET BUILDING

BUILDING DATA		GENERAL NOTES																																																											
NUMBER OF STORIES:	1 - STORY	<ol style="list-style-type: none"><li>FIRE ALARM IS NOT PART OF THIS APPROVAL</li><li>ALLOWABLE AREA IS BASED ON 10' SET BACK FROM IMAGINARY ASSUMED LINE PER 2013 CBC 705.3</li><li>THIS PC IS DESIGNED STRUCTURALLY TO SUPPORT THE WEIGHT OF A FIRE SPRINKLER SYSTEM.</li><li>PC IS DESIGNED AS A SINGLE STORY MODULAR BUILDING</li><li>FOR SOILS TYPES / DESIGN BEARING STRENGTH, SEE STRUCTURAL SPECIFICATIONS</li><li>ALL WORK SHALL CONFORM TO TITLE 24, CALIFORNIA CODE OF REGULATIONS (CCR)</li><li>THIS PC IS NOT APPROVED FOR "A" OCCUPANCY USES</li><li>EXTERIOR WALL OPENINGS TO COMPLY W/ 705.8, 2013 CBC.</li><li>EXTERIOR PROJECTIONS ARE TO BE FIRE PROTECTED WHERE REQUIRED BY SECTIONS 705.2 &amp; 1406.</li><li>SEE SHEETS A-0.5A,B,C A-0.7 FOR REQUIRED BUILDING ENVELOPE ASSEMBLIES AND HVAC SYSTEM.</li><li>PURSUANT TO D.S.A. APPROVAL ALL PRODUCTS CAN BE SUBSTITUTED BY AN "EQUAL"</li><li>BUILDING(S) TO BE LOCATED IN ANY FIRE HAZARD SEVERITY ZONE OR ANY WILDLAND - URBAN INTERFACE FIRE AREA SHALL COMPLY WITH CBC CHAPTER 7A.</li><li>WHEN THE PRE-CHECKED BUILDING IS SITE ADAPTED, THE BUILDING AND SITE FEATURES NEED TO COMPLY WITH CALGREEN CODE, SECTION 5.507.4 FOR THE SITE SPECIFIC LOCATION</li></ol>																																																											
OCCUPANCY:	E: 8'-6" x <del>15'-6"</del> 30'-0" BLDG																																																												
TYPE OF CONSTRUCTION:	VB																																																												
FLOOR LIVE LOAD:	50 PSF																																																												
ROOF LIVE LOAD:	20 PSF																																																												
FLOOR DEAD LOAD:	WOOD FLOOR - 11 PSF																																																												
ROOF DEAD LOAD:	17 PSF (INCLUDING SPRINKLER LOAD)																																																												
RAMP LIVE LOAD:	100 PSF																																																												
BUILDING AREA:	<del>8'-6" x 15'-6" = 131.75 sq ft (156 sq ft w/ OVERHANG)</del> <del>8'-6" x 21'-6" = 182.75 sq ft (208 sq ft w/ OVERHANG)</del>																																																												
ALLOWABLE AREA: 9000SF	8'-6" x 30'-0" = 255.00 sq ft (360 sq ft w/ OVERHANG)																																																												
FOUNDATION:	<input checked="" type="checkbox"/> WOOD <input type="checkbox"/> CONCRETE																																																												
CEC CLIMATE ZONES:	1- 16																																																												
FLOOD AREA:	NO																																																												
SOIL BEARING PRESSURE	WOOD FOUNDATION 1,000 PSF	CONCRETE FOUNDATION 1,500 PSF																																																											
APPLICABLE STANDARDS																																																													
NFPA 13 AUTOMATIC SPRINKLER SYSTEMS 2013 EDITION NFPA 72 NAT. FIRE ALARM CODE (CALIF. AMENDED) 2013 EDITION (NOTE: SEE UL STANDARD 1971 FOR "VISUAL DEVICES")																																																													
BUILDING CODES AND STANDARDS																																																													
LIST OF 2013 CALIFORNIA CODE OF REGULATIONS  2013 CALIFORNIA ADMINISTRATIVE CODE (CAC), PART 1, TITLE 24 C.C.R. 2013 CALIFORNIA BUILDING CODE (CBC), PART 2, TITLE 24 C.C.R. (2012 INTERNATIONAL BUILDING CODE VOLUMES 1-2 AND 2013 CALIFORNIA AMENDMENTS)  2013 CALIFORNIA ELECTRICAL CODE (CEC), PART 3, TITLE 24 C.C.R. (2011 NATIONAL ELECTRICAL CODE AND 2013 CALIFORNIA AMENDMENTS)  2013 CALIFORNIA MECHANICAL CODE (CMC), PART 4, TITLE 24 C.C.R. (2012 UNIFORM MECHANICAL CODE AND 2013 CALIFORNIA AMENDMENTS)  2013 CALIFORNIA PLUMBING CODE (CPC), PART 5, TITLE 24 C.C.R. (2012 UNIFORM PLUMBING CODE AND 2013 CALIFORNIA AMENDMENTS)  2013 CALIFORNIA ENERGY CODE (CEC), PART 6, TITLE 24 C.C.R.  2013 CALIFORNIA FIRE CODE, PART 9, TITLE 24 C.C.R. (2012 INTERNATIONAL FIRE CODE AND 2013 CALIFORNIA AMENDMENTS)  2013 CALIFORNIA GREEN BUILDING STANDARDS CODE, PART 11, TITLE 24 C.C.R. 2013 CALIFORNIA REFERENCED STANDARDS, PART 12, TITLE 24 C.C.R. TITLE 19 C.C.R., PUBLIC SAFETY, STATE FIRE MARSHAL REGULATIONS. 2007 ASME A17.1 (w/ A17.1a/CSA B44a-08 ADDENDA) SAFETY CODE FOR ELEVATORS AND ESCALATORS																																																													
WIND DESIGN DATA SECTION 1603.A.1.4																																																													
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EARTHQUAKE DESIGN DATA SECTION 1603.A.1.5																																																													
<table><tr><td colspan="2">1. SEISMIC IMPORTANCE FACTOR:</td><td>1.0</td></tr><tr><td colspan="3">2. MAPPED SPECTRAL RESPONSE:</td></tr><tr><td>DESIGN S<sub>s</sub> = 2.24 (=0.80 x 2.80)</td><td colspan="2">S<sub>1</sub> = 1.0</td></tr><tr><td colspan="3">DESIGN S<sub>h</sub> = 2.80 (FOR ARCHITECTURAL COMPONENTS)</td></tr><tr><td colspan="2">3. SITE CLASS</td><td>D</td></tr><tr><td colspan="3">4. SPECTRAL RESPONSE COEFFICIENTS:</td></tr><tr><td>S<sub>DS</sub> = 1.49</td><td colspan="2">S<sub>DI</sub> = 1.00</td></tr><tr><td colspan="2">5. SEISMIC DESIGN CATEGORY:</td><td>E</td></tr><tr><td colspan="2">6. BASIC SEISMIC FORCE-RESISTING SYSTEM:</td><td>STEEL OMF</td></tr><tr><td colspan="3">7. DESIGN BASE SHEAR (kips): PER MODULAR (12x40)</td></tr><tr><td></td><td>PLY FLOOR</td><td></td></tr><tr><td></td><td>8'-6" x 15'-6"</td><td>6.972</td></tr><tr><td></td><td>8'-6" x 21'-6"</td><td>9.087</td></tr><tr><td></td><td>8'-6" x 30'-0"</td><td>12.083</td></tr><tr><td colspan="2">8. SEISMIC RESPONSE COEFFICIENT, C<sub>s</sub>:</td><td>0.427</td></tr><tr><td colspan="2">9. RESPONSE MODIFICATION FACTOR, R:</td><td>3.5</td></tr><tr><td colspan="2">10. ANALYSIS PROCEDURE USED:</td><td>EQUIVALENT LATERAL FORCE</td></tr><tr><td colspan="2">11. MINIMUM SEISMIC SEPARATION FROM OTHER EXISTING OR FUTURE BUILDINGS</td><td>6" SEP.</td></tr><tr><td colspan="3">SNOW DESIGN DATA FLAT-ROOF SNOW LOAD, P<sub>f</sub>: 20 psf SNOW EXPOSURE FACTOR, C<sub>e</sub>: 1 SNOW LOAD IMPORTANCE FACTOR, I: 1 THERMAL FACTOR, C<sub>t</sub>: 1</td></tr><tr><td colspan="3">THIS PC DOES NOT COVER ANY SITE SPECIFIC FLOOD DESIGN. ANY SITE SPECIFIC CONDITION OF FLOODING SHOULD BE BE ADDRESSED WITH ADDITIONAL CALCULATIONS.</td></tr></table>		1. SEISMIC IMPORTANCE FACTOR:		1.0	2. MAPPED SPECTRAL RESPONSE:			DESIGN S <sub>s</sub> = 2.24 (=0.80 x 2.80)	S <sub>1</sub> = 1.0		DESIGN S <sub>h</sub> = 2.80 (FOR ARCHITECTURAL COMPONENTS)			3. SITE CLASS		D	4. SPECTRAL RESPONSE COEFFICIENTS:			S <sub>DS</sub> = 1.49	S <sub>DI</sub> = 1.00		5. SEISMIC DESIGN CATEGORY:		E	6. BASIC SEISMIC FORCE-RESISTING SYSTEM:		STEEL OMF	7. DESIGN BASE SHEAR (kips): PER MODULAR (12x40)				PLY FLOOR			8'-6" x 15'-6"	6.972		8'-6" x 21'-6"	9.087		8'-6" x 30'-0"	12.083	8. SEISMIC RESPONSE COEFFICIENT, C <sub>s</sub> :		0.427	9. RESPONSE MODIFICATION FACTOR, R:		3.5	10. ANALYSIS PROCEDURE USED:		EQUIVALENT LATERAL FORCE	11. MINIMUM SEISMIC SEPARATION FROM OTHER EXISTING OR FUTURE BUILDINGS		6" SEP.	SNOW DESIGN DATA FLAT-ROOF SNOW LOAD, P <sub>f</sub> : 20 psf SNOW EXPOSURE FACTOR, C <sub>e</sub> : 1 SNOW LOAD IMPORTANCE FACTOR, I: 1 THERMAL FACTOR, C <sub>t</sub> : 1			THIS PC DOES NOT COVER ANY SITE SPECIFIC FLOOD DESIGN. ANY SITE SPECIFIC CONDITION OF FLOODING SHOULD BE BE ADDRESSED WITH ADDITIONAL CALCULATIONS.		
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SHT NO.	ARCHITECTURAL
A-0	COVER SHEET, SHEET INDEX, & BUILDING DATA
A-0.0	BUILDING OPTIONS SCHEDULE
<del>A-0.1</del>	<del>T &amp; I FORMS</del>
A-0B	T & I FORMS
A-0.1	SYMBOLS, LEGEND, ABBREVIATIONS & ADA SIGNAGE
A-0.2	SCHEDULES
<del>A-0.5A</del>	<del>TITLE 24 CALCS 8'-6" x 15'-6" BLDG</del>
<del>A-0.5B</del>	<del>TITLE 24 CALCS 8'-6" x 21'-6" BLDG</del>
A-0.5C	TITLE 24 CALCS 8'-6" x 30'-0" BLDG
A-0.7	INDOOR LIGHTING CONTROLS & CALGREEN NOTES
A-1.01	FLOOR PLANS
A-2.01	REFLECTED CEILING PLAN
A-2.20	T-GRID CEILING DETAILS
<del>A-2.21</del>	<del>HARD LID CEILING DETAILS</del>
A-3.01	ROOF PLANS
A-3.50	ROOFING DETAILS (0.018 STANDING SEAM)
<del>A-3.60</del>	<del>ROOFING DETAILS (0.030 STANDING SEAM)</del>
<del>A-3.65</del>	<del>ROOFING DETAILS (TPO ROOF)</del>
A-4.01	EXTERIOR ELEVATIONS (DURATEMP FINISH)
<del>A-4.02</del>	<del>EXTERIOR ELEVATIONS (STUCCO FINISH)</del>
A-5.01	CROSS SECTION
A-5.50	TYPICAL DETAILS WOOD SIDING (WOOD STUDS)
<del>A-5.51</del>	<del>TYPICAL DETAILS STUCCO EXTERIOR (WOOD STUDS)</del>
A-5.70	ARCHITECTURAL DETAILS (FLOOR)
A-6.01	INTERIOR ELEVATIONS
SHT NO.	FOUNDATION
F-0.01	FOUNDATION PLANS (WOOD)
F-0.50	FOUNDATION DETAILS (WOOD)
<del>F-1.01</del>	<del>FOUNDATION PLANS (CONCRETE) (ABOVE GRADE)</del>
<del>F-1.50</del>	<del>FOUNDATION DETAILS (CONCRETE) (ABOVE GRADE)</del>
<del>F-2.01</del>	<del>FOUNDATION PLANS (CONCRETE) (BELOW GRADE)</del>
<del>F-2.50</del>	<del>FOUNDATIN DETAILS (CONCRETE) (BELOW GRADE)</del>
<del>F-2.51</del>	<del>FOUNDATIN DETAILS (CONCRETE)</del>
SHT NO.	STRUCTURAL
S-0.1	SPECIFICATIONS & GENERAL NOTES
S-1.01	FLOOR FRAMING PLANS
S-1.50	FLOOR FRAMING DETAILS
S-2.01	ROOF FRAMING PLANS
S-2.50	ROOF FRAMING DETAILS - MONO SLOPE
S-2.60	ROOF FRAMING DETAILS
S-3.03	BUILDING SECTIONS
S-5.00	WALL FRAMING ELEVATIONS
S-5.10	WALL FRAMING DETAILS
S-5.11	WALL FRAMING DETAILS
SHT NO.	PLUMBING
<del>P-1.01</del>	<del>PLUMBING FLOOR PLAN AND ISOMETRICS (8'-6" x 15'-6")</del>
<del>P-1.02</del>	<del>PLUMBING FLOOR PLAN AND ISOMETRICS (8'-6" x 21'-6")</del>
P-1.03	PLUMBING FLOOR PLAN AND ISOMETRICS (8'-6" x 30'-0")
P-2.01	PLUMBING DETAILS & SCHEDULE
SHT NO.	ELECTRICAL
<del>E-1.01</del>	<del>ELECTRICAL PLAN AND SCHEDULES (8'-6" x 15'-6")</del>
<del>E-1.02</del>	<del>ELECTRICAL PLAN AND SCHEDULES (8'-6" x 21'-6")</del>
E-1.03	ELECTRICAL PLAN AND SCHEDULES (8'-6" x 30'-0")
SHT NO.	RAMP
<del>R-1.02</del>	<del>OFFSET RAMP PLAN FOR 15'-6" x 21'-6" 30'-0" BUILDINGS</del>
R-1.03	RAMP & LANDING PLAN FOR 21'-6" & 30'-0" BLDG
R-2.01	RAMP DETAILS
SHT NO.	FIRE SPRINKLERS
<del>FS-1</del>	<del>FIRE SPRINKLER COVER SHEET &amp; PROJECT DATA</del>
<del>FS-2</del>	<del>FIRE SPRINKLER PLANS</del>
<del>FS-3</del>	<del>FIRE SPRINKLER DETAILS</del>

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 "BUILDING FOR THE NEXT GENERATION"

SILVER CREEK

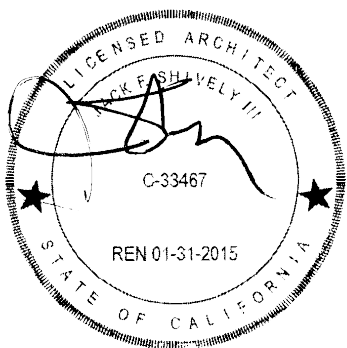
2830 BARRETT AVE. PERRIS, CALIFORNIA 92571  
PHONE: 951-943-5393 FAX: 951-943-2211

PROJECT NAME:

HUNEME ELEMENTARY  
8'-6" x 30'-0"  
TOILET BUILDING

SHEET TITLE

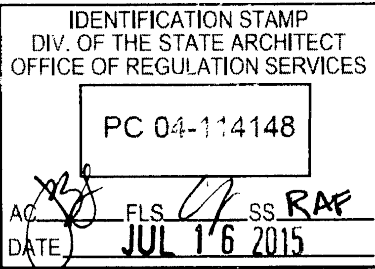
COVER SHEET,  
SHEET INDEX &  
BUILDING DATA



ARCHITECT OF RECORD

PROJECT SPECIFIC STATE AGENCY APPROVAL

ORIGINAL PC STATE AGENCY APPROVAL



PC 04-114148  
DATE JUL 16 2015  
SSS: R. FRENCH

REVISIONS

8'-6" RESTROOM PC (HIGH SEISMIC)

PROJECT NO:

DRAWN BY: FIL CARRILLO

SCALE: AS NOTED

DATE: 02/04/2015

P.C. SHEET NUMBER

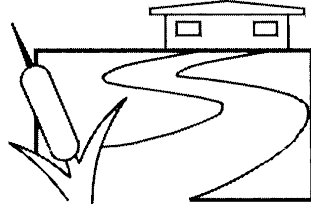
A-0



BUILDING OPTIONS SCHEDULE					
ROOF FRAMING PLANS		SHEET NUMBER	GENERAL ARCHITECTURAL SHEETS		SHEET NUMBER
ROOF FRAMING	<input type="checkbox"/> ROOF FRAMING PLAN (8'-6"x15'-6")	<input type="checkbox"/> PLYWOOD	S-2.01	COVER SHEET, SHEET INDEX, & BUILDING DATA	A-0
		<input type="checkbox"/> X-BRACING	S-2.01	T & I FORMS	A-0A, A-0B
	<input type="checkbox"/> ROOF FRAMING PLAN (8'-6"x15'-6")	<input type="checkbox"/> PLYWOOD	S-2.01	BUILDING OPTIONS SCHEDULE	A-0.0
		<input type="checkbox"/> X-BRACING	S-2.01	SYMBOLS, LEGEND, ABBREVIATIONS & ADA SIGNAGE	A-0.1
	<input checked="" type="checkbox"/> ROOF FRAMING PLAN (8'-6"x21'-6")	<input checked="" type="checkbox"/> PLYWOOD	S-2.01	SCHEDULES	A-0.2
		<input type="checkbox"/> X-BRACING	S-2.01	TITLE 24 CALCULATIONS	A-0.5A, A-0.5B, A-0.5C, A-0.7
ROOF FRAMING DETAILS		S-2.50	FLOOR PLANS		SHEET NUMBER
ROOF FRAMING DETAILS		S-2.60	FLOOR PLANS:	<input type="checkbox"/> FLOOR PLAN (8'-6" X 15'-6")	A-1.01
				<input type="checkbox"/> FLOOR PLAN (8'-6" X 21'-6")	A-1.01
				<input checked="" type="checkbox"/> FLOOR PLAN (8'-6" X 30'-0")	A-1.01
BUILDING SECTION		SHEET NUMBER	CEILING		SHEET NUMBER
STRUCTURAL SECTION:	<input type="checkbox"/> STRUCTURAL SECTION (8'-6"x15'-6")	S-3.03	REFLECTED CEILING PLANS:	<input type="checkbox"/> SUSPENDED CEILING PLANS (STANDARD APPLICATION)	A-2.01
	<input type="checkbox"/> STRUCTURAL SECTION (8'-6"x21'-6")	S-3.03		<input checked="" type="checkbox"/> GYPSUM BOARD CEILING PLANS (OPTIONAL APPLICATION)	A-2.01
	<input checked="" type="checkbox"/> STRUCTURAL SECTION (8'-6"x30'-0")	S-3.03	CEILING DETAILS:	<input type="checkbox"/> T-GRID	A-2.20
				<input checked="" type="checkbox"/> HARD LID	A-2.21
WALL FRAMING		SHEET NUMBER	ROOF PLAN		SHEET NUMBER
WALL FRAMING ELEVATIONS		S-5.00	ROOF PLANS:	<input type="checkbox"/> ROOF PLAN (8'-6" X 15'-6")	A-3.01
WALL FRAMING DETAILS		S-5.10		<input type="checkbox"/> ROOF PLAN (8'-6" X 21'-6")	A-3.01
WALL FRAMING DETAILS		S-5.11		<input checked="" type="checkbox"/> ROOF PLAN (8'-6" X 30'-0")	A-3.01
PLUMBING		SHEET NUMBER	ROOF DETAILS:	<input checked="" type="checkbox"/> STANDARD ARCHITECTURAL DETAILS	A-3.50
<input type="checkbox"/> PLUMBING FLOOR PLAN AND ISOMETRICS (8'-6"x15'-6")	P-1.01			<input type="checkbox"/> 0.03 STANDING SEAM DETAILS	A-3.60
<input type="checkbox"/> PLUMBING FLOOR PLAN AND ISOMETRICS (8'-6"x21'-6")	P-1.02			<input type="checkbox"/> TPO ROOF	A-3.90
<input checked="" type="checkbox"/> PLUMBING FLOOR PLAN AND ISOMETRICS (8'-6"x30'-0")	P-1.03		EXTERIOR ELEVATIONS		SHEET NUMBER
<input checked="" type="checkbox"/> PLUMBING DETAILS AND SCHEDULES	P-2.01		EXTERIOR ELEVATIONS:	<input type="checkbox"/> EXTERIOR ELEVATION DURATEMP FINISH (8'-6" X 15'-6")	A-4.01
ELECTRICAL		SHEET NUMBER		<input type="checkbox"/> EXTERIOR ELEVATION DURATEMP FINISH (8'-6" X 21'-6")	A-4.01
<input type="checkbox"/> ELECTRICAL PLAN AND SCHEDULES (8'-6"x15'-6")	E-1.01			<input checked="" type="checkbox"/> EXTERIOR ELEVATION DURATEMP FINISH (8'-6" X 30'-0")	A-4.01
<input type="checkbox"/> ELECTRICAL PLAN AND SCHEDULES (8'-6"x21'-6")	E-1.02			<input type="checkbox"/> EXTERIOR ELEVATION STUCCO FINISH (8'-6" X 15'-6")	A-4.02
<input checked="" type="checkbox"/> ELECTRICAL PLAN AND SCHEDULES (8'-6"x30'-0")	E-1.03			<input type="checkbox"/> EXTERIOR ELEVATION STUCCO FINISH (8'-6" X 21'-6")	A-4.02
RAMP		SHEET NUMBER		<input type="checkbox"/> EXTERIOR ELEVATION STUCCO FINISH (8'-6" X 30'-0")	A-4.02
RAMP PLANS:	<input type="checkbox"/> OFFSET RAMP PLAN FOR 15'-6" - 21'-6" - 30'-0" BUILDINGS	R-1.02	CROSS SECTIONS		SHEET NUMBER
	<input checked="" type="checkbox"/> RAMP & LANDING PLAN FOR 21'-6" & 30'-0" BLDG	R-1.03	CROSS SECTIONS		A-5.01
	<input checked="" type="checkbox"/> RAMP DETAILS	R-2.01	ARCHITECTURAL DETAILS		SHEET NUMBER
FIRE SPRINKLERS		SHEET NUMBER	WALL DETAILS:	<input checked="" type="checkbox"/> TYPICAL DETAILS WOOD SIDING (WOOD STUDS)	A-5.50
FIRE SPRINKLER PLANS:	<input type="checkbox"/> FIRE SPRINKLER COVER SHEET & PROJECT DATA	FS-1		<input type="checkbox"/> TYPICAL DETAILS STUCCO EXTERIOR (WOOD STUDS)	A-5.51
	<input type="checkbox"/> FIRE SPRINKLER PLANS	FS-2		<input checked="" type="checkbox"/> ARCHITECTURAL DETAILS	A-5.70
	<input type="checkbox"/> FIRE SPRINKLER DETAILS	FS-3		INTERIOR ELEVATIONS	
			INTERIOR ELEVATIONS:	<input type="checkbox"/> INTERIOR ELEVATION (8'-6" X 15'-6")	A-6.01
				<input type="checkbox"/> INTERIOR ELEVATION (8'-6" X 21'-6")	A-6.01
				<input checked="" type="checkbox"/> INTERIOR ELEVATION (8'-6" X 30'-0")	A-6.01
			FOUNDATIONS		SHEET NUMBER
			<input checked="" type="checkbox"/> WOOD FOUNDATION PLAN	<input type="checkbox"/> FOUNDATION PLANS (8'-6" X 15'-6")	F-0.01
				<input type="checkbox"/> FOUNDATION PLANS (8'-6" X 21'-6")	F-0.01
				<input checked="" type="checkbox"/> FOUNDATION PLANS (8'-6" X 30'-0")	F-0.01
				<input checked="" type="checkbox"/> WOOD FOUNDATION DETAILS:	F-0.50
			<input type="checkbox"/> CONCRETE FOUNDATION PLAN - ABOVE GRADE	<input type="checkbox"/> FOUNDATION PLANS (8'-6" X 15'-6")	F-1.01
				<input type="checkbox"/> FOUNDATION PLANS (8'-6" X 21'-6")	F-1.01
				<input type="checkbox"/> FOUNDATION PLANS (8'-6" X 30'-0")	F-1.01
				<input type="checkbox"/> CONCRETE FOUNDATION DETAILS - ABOVE GRADE:	F-1.50
			<input type="checkbox"/> CONCRETE FOUNDATION PLAN - FLUSH W/ GRADE	<input type="checkbox"/> FOUNDATION PLANS (8'-6" X 15'-6")	F-2.01
				<input type="checkbox"/> FOUNDATION PLANS (8'-6" X 21'-6")	F-2.01
				<input type="checkbox"/> FOUNDATION PLANS (8'-6" X 30'-0")	F-2.01
				<input type="checkbox"/> FOUNDATION PLANS & DETAILS (FLUSH W/ GRADE)	F-2.50
				FOUNDATION DETAILS (CONCRETE)	F-2.51
			GENERAL STRUCTURAL SHEETS		SHEET NUMBER
			SPECIFICATIONS & GENERAL NOTES		S-0.1
			FLOOR FRAMING PLANS		SHEET NUMBER
FLOOR FRAMING:	<input type="checkbox"/> FLOOR FRAMING PLAN (8'-6"x15'-6")	S-1.01	FLOOR FRAMING:	<input type="checkbox"/> FLOOR FRAMING PLAN (8'-6"x15'-6")	S-1.01
	<input type="checkbox"/> FLOOR FRAMING PLAN (8'-6"x21'-6")	S-1.01		<input type="checkbox"/> FLOOR FRAMING PLAN (8'-6"x21'-6")	S-1.01
	<input checked="" type="checkbox"/> FLOOR FRAMING PLAN (8'-6"x30'-0")	S-1.01		<input checked="" type="checkbox"/> FLOOR FRAMING PLAN (8'-6"x30'-0")	S-1.01
FLOOR FRAMING DETAILS	<input checked="" type="checkbox"/> FLOOR FRAMING DETAILS	S-1.50			

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SILVER CREEK INDUSTRIES, INC.



"BUILDING FOR THE NEXT GENERATION"

**SILVER CREEK**

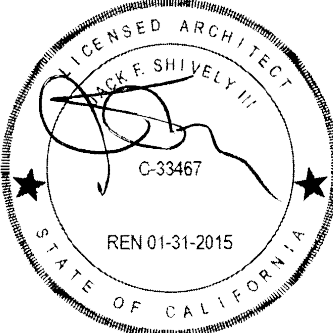
2830 BARRETT AVE. PERRIS, CALIFORNIA 92571  
PHONE: 951-943-5393 FAX: 951-943-2211

PROJECT NAME:

**HUNEME ELEMENTARY**  
**8'-6" x 30'-0"**  
**TOILET BUILDING**

SHEET TITLE:

**BUILDING OPTIONS**  
**SCHEDULE**



ARCHITECT OF RECORD

PROJECT SPECIFIC STATE AGENCY APPROVAL

ORIGINAL PC STATE AGENCY APPROVAL

PRE-CHECK (PC) DOCUMENT  
CODE: 2013.06  
A SIGNATURE AND SEAL OF THE ARCHITECT ARE REQUIRED FOR CONSTRUCTION

IDENTIFICATION STAMP  
DIV. OF THE STATE ARCHITECT  
OFFICE OF REGULATION SERVICES

PC 04-114148

AD: XLS FLS: LL SS: RAF  
DATE: JUL 16 2015

REVISIONS

1	
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8'-6" RESTROOM PC (HIGH SEISMIC)

PROJECT NO:

DRAWN BY: FIL CARRILLO

SCALE: AS NOTED

DATE: 02/04/2015

P.C. SHEET NUMBER	
<b>A-0.0</b>	



The example form DSA 103s shown on this sheet are for illustration purposes only. A form DSA 103 is to be completed for each application that this PC is being incorporated into and all example form DSA-103s are to be crossed out on this drawing.

DSA-103 rev 10/2010  
Statement of Structural Tests & Special Inspections - 2013 CBC

INCREMENT #	DSA File No.:
Application No.:	Revised:
Date Submitted:	Revised:

School Name	District
IMPORTANT: This form is only a summary list of structural tests and special inspections required for the project. The actual tests and inspections must be performed as detailed on the DSA approved documents. The project inspector is responsible for providing inspection of all facets of construction, including but not limited to, special inspections not listed on this form such as structural wood framing, high-load wood diaphragms, cold-formed steel framing, anchorage of non-structural components, etc., per Title 24, Part 2, Chapter 17A. NOTE: This form is also available for projects submitted for review under the 2007 and 2010 CBC.	
INSTRUCTIONS: Click a plus sign (+) before any category or subcategory to reveal additional tests and special inspections. An "X" before a listed test or inspection indicates it is a mandatory requirement. A shaded box indicates a test or special inspection that may be required, depending on the scope of the construction and other issues. A shaded box can be clicked indicating your selection of that test. Note: A minus (-) on a category or subcategory heading indicates that it can be collapsed. However, any selections you may have made will be 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.	

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

100% REQ	TEST OR SPECIAL INSPECTION	TYPE 1	RECOMMENDED # 2	CODE REFERENCE AND NOTES
+	SOILS			
+	CONCRETE			Table 1705A.3
+	MASONRY			TMS 402-11/ACI 530-11/ASCE 5-11, Table 1.19.3
-	STEEL			Table 1705A.2.1
-	17. STRUCTURAL STEEL AND COLD-FORMED STEEL USED FOR STRUCTURAL PURPOSES			
	Material Verification:			
X	a. Verify that all materials are appropriately marked and that:	Periodic		* By special inspector when performed off-site; by project inspector for steel shipped directly to project site without welding or fabrication.
	• Mill certificates indicate material properties that comply with requirements.			
	• Material sizes, types and grades comply with requirements.			
X	b. Test unidentified materials	Test	Lab	2203A.1 (2203.1+), ASTM A370.
X	c. Examine seam welds of structural tubes and pipes	Periodic	SI*	DSA IR 17-3.
	Inspection:			
X	d. Verify member locations, bracing and all details constructed in the field	Continuous	PI	
X	e. Verify stiffener locations, connection tab locations and all construction details fabricated in the shop	Periodic	SI	
-	19. WELDING			DSA IR 17-3, AWS D1.1 and AWS D1.8 (AWS D1.3 for cold formed steel).
	Verification of Materials, Equipment, Welders, etc:			
X	a. Verify weld filler material identification markings per AWS designation listed on the DSA approved documents and the WPS.	Periodic	SI	
X	b. Verify weld filler material manufacturer's certificate of compliance	Periodic	SI	
X	c. Verify WPS, welder qualifications and equipment.	Periodic	SI	DSA IR 17-3.
-	19.1 SHOP WELDING:			
X	a. Inspect groove, multi-pass, and fillet welds > 5/16"	Continuous	SI	Per AISC 360 (and AISC 341 as applicable), DSA IR 17-3.
X	b. Inspect single-pass fillet welds ≤ 5/16"	Periodic	SI	Per AISC 360 (and AISC 341 as applicable), DSA IR 17-3.
X	c. Inspect welding of stairs and railing systems.	Periodic	SI	1705A.2.2.1 Per AISC 360 (and AISC 341 as applicable), DSA IR 17-3.
-	20. NONDESTRUCTIVE TESTING <sup>3</sup>			
X	a. Ultrasonic	Test	Lab	AISC 341, App. Q 5.2, AWS D1.1, D1.8, ANSI/ASNT CP-189, SNT-TC-1A, - ASTM E543
X	b. Magnetic Particle	Test	Lab	E1444, E164 - DSA IR 17-2.
-	23. OTHER STEEL			
X	a. SHOP WELDING OF COLD FORMED STEEL	Periodic	SI	Periodic
+	WOOD			
+	OTHER			
SUMMARY				
1. All Structural Testing: Laboratory Verified Report - Form DSA-291				
2. Shop Welding Inspection: Special Inspection Verified Report - Form DSA-292				

NOTE:

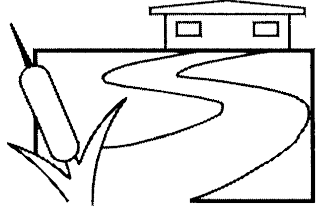
THE DIFFERENCE BETWEEN "TESTS" AND "SPECIAL INSPECTIONS" IS ADDRESSED IN IR 17-4

FOOT NOTES / OPTIONS

1. NOT USED.
2. NOT USED.
3. THIS TEST / INSPECTION IS TBD BY AOR / DSA PER PROJECT SPECIFIC REQUIREMENTS. UT TESTING SHALL BE PERFORMED ON 100% OF CJP GROOVE WELDS WHEN THE COLUMNS PER SCHEDULE ON SHEETS S-3.03 ~~WHICH HAVE~~ HAVE A THICKNESS OF 5/16" OR GREATER. MAGNETIC PARTICLE TESTING SHALL BE PERFORMED ON 25% OF ALL BEAM TO COLUMN CJP GROOVE WELDS

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"BUILDING FOR THE NEXT GENERATION"

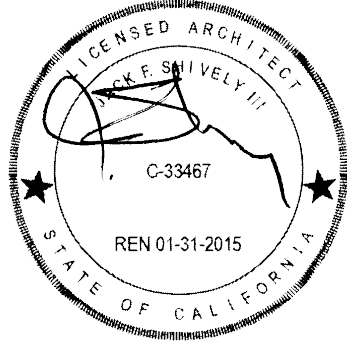
2830 BARRETT AVE. PERRIS, CALIFORNIA 92571  
PHONE: 951-943-5393 FAX: 951-943-2211

PROJECT NAME:

HUNEME ELEMENTARY  
8'-6" x 30'-0"  
TOILET BUILDING

SHEET TITLE:

T & I FORMS



ARCHITECT OF RECORD

PROJECT SPECIFIC STATE AGENCY APPROVAL

ORIGINAL PC STATE AGENCY APPROVAL

PRE-CHECK (PO) DOCUMENT A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRED	IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT OFFICE OF REGULATION SERVICES
	PC 04-114148
	AC: <u>FLS</u> DATE: <u>11/16/2015</u>

REVISIONS

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8'-6" RESTROOM PC (HIGH SEISMIC)

PROJECT NO.

DRAWN BY: FIL CARRILLO

SCALE: AS NOTED

DATE: 02/04/2015

P.C. SHEET NUMBER

A-0B

PLYWOOD FLOOR - STOCKPILE

1











STATE OF CALIFORNIA  
INDOOR LIGHTING  
CERTIFICATE OF COMPLIANCE  
NRC-ELC-01-E  
(Page 1 of 5)

Project Name: 8'-6" x 15'-6"

Client/Owner: SLV Creek Industries, Inc.

General Information

Building Type: ☒ Nonresidential ☐ High-Rise Residential ☐ Hotel/Motel

Building Use: ☐ Inhabitable Public Schools ☐ Conventional Spaces ☐ Unconventional Spaces

Phase of Construction: ☒ Addition ☐ Alteration

Method of Compliance: ☒ Complete Compliance ☐ Area Category ☐ Tailored

Lighting Compliance Documents (submit one for each document included)

For detailed instructions on the required documents, refer to the Administrative Manual published by the California Energy Commission.

YES NO

NRC-ELC-01-E: Compliance of Commission. All Pages required on plan for all submitted.

NRC-ELC-02-E: Lighting Controls, Commission of Compliance, and Field Inspection. All Pages required on plan for all submitted.

NRC-ELC-03-E: Lower Lighting Power Allowance

NRC-ELC-04-E: Tailored Method Worksheet

NRC-ELC-05-E: Low Voltage Track Lighting Worksheet

Summary of Allowed Lighting Power

Conditioned and Unconditioned space lighting must not be combined for compliance

Indoor Lighting Power for Conditioned Spaces

Indoor Lighting Power for Unconditioned Spaces

CA Building Energy Efficiency Standards - 2013 Nonresidential Compliance June 2014

STATE OF CALIFORNIA  
INDOOR LIGHTING  
CERTIFICATE OF COMPLIANCE  
NRC-ELC-01-E  
(Page 2 of 5)

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CA Building Energy Efficiency Standards - 2013 Nonresidential Compliance June 2014

STATE OF CALIFORNIA  
INDOOR LIGHTING  
CERTIFICATE OF COMPLIANCE  
NRC-ELC-01-E  
(Page 3 of 5)

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Indoor Lighting Power for Unconditioned Spaces

CA Building Energy Efficiency Standards - 2013 Nonresidential Compliance June 2014

STATE OF CALIFORNIA  
INDOOR LIGHTING  
CERTIFICATE OF COMPLIANCE  
NRC-ELC-01-E  
(Page 4 of 5)

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Client/Owner: SLV Creek Industries, Inc.

General Information

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Indoor Lighting Power for Unconditioned Spaces

CA Building Energy Efficiency Standards - 2013 Nonresidential Compliance June 2014

STATE OF CALIFORNIA  
INDOOR LIGHTING  
CERTIFICATE OF COMPLIANCE  
NRC-ELC-01-E  
(Page 5 of 5)

Project Name: 8'-6" x 15'-6"

Client/Owner: SLV Creek Industries, Inc.

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Indoor Lighting Power for Unconditioned Spaces

CA Building Energy Efficiency Standards - 2013 Nonresidential Compliance June 2014

STATE OF CALIFORNIA  
ELECTRICAL POWER DISTRIBUTION  
CERTIFICATE OF COMPLIANCE  
NRC-ELC-01-E  
(Page 1 of 9)

Project Name: 8'-6" x 15'-6"

Client/Owner: SLV Creek Industries, Inc.

General Information

Building Type: ☒ Nonresidential ☐ High-Rise Residential ☐ Hotel/Motel

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Indoor Lighting Power for Unconditioned Spaces

CA Building Energy Efficiency Standards - 2013 Nonresidential Compliance June 2014

STATE OF CALIFORNIA  
ELECTRICAL POWER DISTRIBUTION  
CERTIFICATE OF COMPLIANCE  
NRC-ELC-01-E  
(Page 2 of 9)

Project Name: 8'-6" x 15'-6"

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Indoor Lighting Power for Unconditioned Spaces

CA Building Energy Efficiency Standards - 2013 Nonresidential Compliance June 2014

STATE OF CALIFORNIA  
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CERTIFICATE OF COMPLIANCE  
NRC-ELC-01-E  
(Page 3 of 9)

Project Name: 8'-6" x 15'-6"

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Indoor Lighting Power for Conditioned Spaces

Indoor Lighting Power for Unconditioned Spaces

CA Building Energy Efficiency Standards - 2013 Nonresidential Compliance June 2014

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SILVER CREEK INDUSTRIES, INC.

"BUILDING FOR THE NEXT GENERATION"

SILVER CREEK

2830 BARRETT AVE. PERRIS, CALIFORNIA 92571  
PHONE: 951-943-5393 FAX: 951-943-2211

PROJECT NAME:

HUNEME ELEMENTARY  
8'-6" x 30'-0"  
TOILET BUILDING

SHEET TITLE:

ENERGY  
COMPLIANCE FORMS  
8'-6" x 15'-6" BLDG.

ARCHITECT OF RECORD

PROJECT SPECIFIC STATE AGENCY APPROVAL

REVISED

ORIGINAL PC STATE AGENCY APPROVAL

IDENTIFICATION STAMP  
DIV. OF THE STATE ARCHITECT  
OFFICE OF REGULATION SERVICES  
PC 04-114148  
AC DATE OCT 11 2016

REVIEWS

8'-6" RESTROOM PC (HIGH SEISMIC)

PROJECT NO:

DRAWN BY: FIL CARRILLO

SCALE: AS NOTED

DATE: 02/04/2015

P.C. SHEET NUMBER

A-0.5A

Lydia Barron

Digitally signed by Lydia Barron  
DN: st=California, o=California  
Department of General Services, ou=Division of the State  
Architect, email=lydia.barron@ds.ca.gov  
Date: 2015.07.16 09:50:03 -0700



STATE OF CALIFORNIA  
INDEPENDENT COMMISSION  
CERTIFICATE OF COMPLIANCE  
INDOOR LIGHTING  
Project Name: Single SCI Restroom PC Date Prepared: 02/20/15

Climate Zone: Conditioned Floor Area 185 S.F.

General Information  
Building Type: ☒ School ☐ Nonresidential ☐ High-rise Residential ☐ Mixed/Other  
Phase of Construction: ☒ New Construction ☐ Addition ☐ Alteration  
Method of Compliance: ☒ Complete Building ☐ Area Category ☐ Feature

Lighting Compliance Document (date and for each document included)  
For general information on the use of this and other lighting compliance documents, refer to the Manual/Manuals published by the California Energy Commission.

Summary of Allowed Lighting Power  
Conditioned and unconditioned space lighting must not be combined for compliance.

CA Building Energy Efficiency Standards - 2013 Nonresidential Compliance June 2014

STATE OF CALIFORNIA  
INDEPENDENT COMMISSION  
CERTIFICATE OF COMPLIANCE  
INDOOR LIGHTING  
Project Name: Single SCI Restroom PC Date Prepared: 02/20/15

Climate Zone: Conditioned Floor Area 185 S.F.

General Information  
Building Type: ☒ School ☐ Nonresidential ☐ High-rise Residential ☐ Mixed/Other  
Phase of Construction: ☒ New Construction ☐ Addition ☐ Alteration  
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Summary of Allowed Lighting Power  
Conditioned and unconditioned space lighting must not be combined for compliance.

CA Building Energy Efficiency Standards - 2013 Nonresidential Compliance June 2014

STATE OF CALIFORNIA  
INDEPENDENT COMMISSION  
CERTIFICATE OF COMPLIANCE  
INDOOR LIGHTING  
Project Name: Single SCI Restroom PC Date Prepared: 02/20/15

Climate Zone: Conditioned Floor Area 185 S.F.

General Information  
Building Type: ☒ School ☐ Nonresidential ☐ High-rise Residential ☐ Mixed/Other  
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Lighting Compliance Document (date and for each document included)  
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Summary of Allowed Lighting Power  
Conditioned and unconditioned space lighting must not be combined for compliance.

CA Building Energy Efficiency Standards - 2013 Nonresidential Compliance June 2014

STATE OF CALIFORNIA  
INDEPENDENT COMMISSION  
CERTIFICATE OF COMPLIANCE  
INDOOR LIGHTING  
Project Name: Single SCI Restroom PC Date Prepared: 02/20/15

Climate Zone: Conditioned Floor Area 185 S.F.

General Information  
Building Type: ☒ School ☐ Nonresidential ☐ High-rise Residential ☐ Mixed/Other  
Phase of Construction: ☒ New Construction ☐ Addition ☐ Alteration  
Method of Compliance: ☒ Complete Building ☐ Area Category ☐ Feature

Lighting Compliance Document (date and for each document included)  
For general information on the use of this and other lighting compliance documents, refer to the Manual/Manuals published by the California Energy Commission.

Summary of Allowed Lighting Power  
Conditioned and unconditioned space lighting must not be combined for compliance.

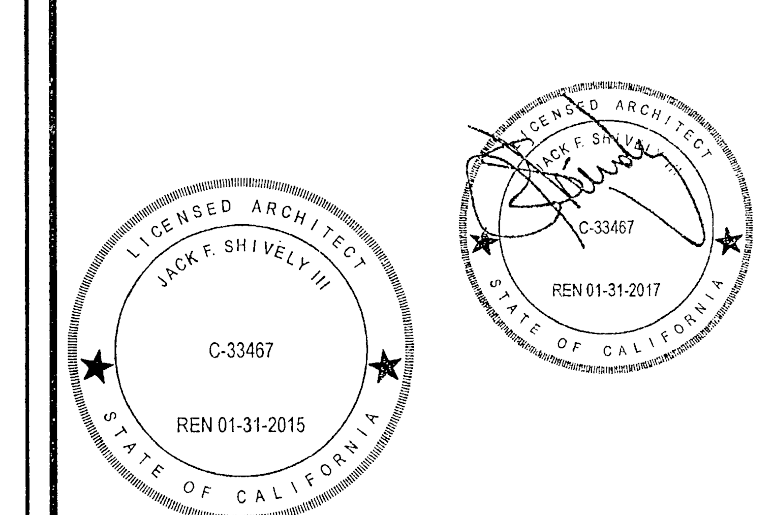
CA Building Energy Efficiency Standards - 2013 Nonresidential Compliance June 2014

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PROJECT NAME:  
**HUNEME ELEMENTARY**  
**8'-6" x 30'-0"**  
**TOILET BUILDING**

SHEET TITLE:  
**ENERGY**  
**COMPLIANCE FORMS**  
**8'-6" x 21'-6" BLDG.**



ARCHITECT OF RECORD

PROJECT SPECIFIC STATE AGENCY APPROVAL

ORIGINAL PC S **REVISED** FINAL

IDENTIFICATION STAMP  
DIV. OF THE STATE ARCHITECT  
OFFICE OF REGULATION SERVICES  
PC 04-114148  
AC: FLS SS: SS  
DATE: OCT 11 2015

REVISIONS

1					
2					
3					
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8					
9					
10					

8'-6" RESTROOM PC (HIGH SEISMIC)  
PROJECT NO:  
DRAWN BY: FIL CARRILLO  
SCALE: AS NOTED  
DATE: 02/04/2015  
P.C. SHEET NUMBER

**A-0.5B**

STATE OF CALIFORNIA  
INDEPENDENT COMMISSION  
CERTIFICATE OF COMPLIANCE  
INDOOR LIGHTING  
Project Name: Single SCI Restroom PC Date Prepared: 02/20/15

Climate Zone: Conditioned Floor Area 185 S.F.

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CA Building Energy Efficiency Standards - 2013 Nonresidential Compliance June 2014

STATE OF CALIFORNIA  
INDEPENDENT COMMISSION  
CERTIFICATE OF COMPLIANCE  
ELECTRICAL POWER DISTRIBUTION  
Project Name: Single SCI Restroom PC Date Prepared: 02/20/15

Climate Zone: Conditioned Floor Area 185 S.F.

General Information  
Building Type: ☒ School ☐ Nonresidential ☐ High-rise Residential ☐ Mixed/Other  
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Electrical Compliance Document (date and for each document included)  
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Summary of Allowed Electrical Power  
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CA Building Energy Efficiency Standards - 2013 Nonresidential Compliance June 2014

STATE OF CALIFORNIA  
INDEPENDENT COMMISSION  
CERTIFICATE OF COMPLIANCE  
ELECTRICAL POWER DISTRIBUTION  
Project Name: Single SCI Restroom PC Date Prepared: 02/20/15

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CA Building Energy Efficiency Standards - 2013 Nonresidential Compliance June 2014

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CA Building Energy Efficiency Standards - 2013 Nonresidential Compliance June 2014


Lydia Barron

Digitally signed by Lydia Barron  
DN: cn=Lydia Barron, o=California Department of  
General Services, ou=Division of the State Architect,  
email=lydia.barron@dgs.ca.gov, c=US  
Date: 2015.07.16 09:51:21 -0700



STATE OF CALIFORNIA <b>INDOOR LIGHTING</b> COMPLIANCE CERTIFICATE <b>CERTIFICATE OF COMPLIANCE</b> Indoor Lighting Project Name: _____ Date Printed: _____	CALIFORNIA AIRPORT COMMISSION NINE 4140 G PHASE 4 OF 5
<b>DOCUMENTATION AUTHOR'S DECLARATION STATEMENT</b> I, <u>Yan Reksoto</u> , certify that Compliance documents is accurate and complete. Documentation Number: <u>002357</u> Name: <u>Yan Reksoto</u> Title: <u>MANAGE COMPLIANCE DOCUMENTS</u> Date: _____	
<b>RESPONSIBLE DESIGNER'S DECLARATION STATEMENT</b> I certify the following under penalty of perjury, under the laws of the State of California that the information provided on this Certificate of Compliance is true and correct. I am eligible under Division 3 of the Electrical and Plumbing Code to accept responsibility for the building design or system design described on this Certificate of Compliance. The energy efficiency and performance specifications, materials, components, and manufactured devices for the building design or system design identified on this Certificate of Compliance conform to the requirements of Title 24, Part 1 and Part 6 of the California Code of Regulations. The building design features or system design features identified on this Certificate of Compliance are consistent with the information provided on other applicable compliance documents. I am a duly licensed professional engineer, architect, or landscape architect, and I am duly qualified to provide the services required by the building design or system design. I am not aware of any violations of applicable laws, rules, and regulations that would result in the building design or system design being in violation of the requirements of the California Building Code or the California Electrical Code. I understand that a completed good copy of this Certificate of Compliance must be made available with the building permit for the building, and made available to the enforcement authority for all applicable jurisdictions. I understand that a completed good copy of this Certificate of Compliance is required to be included with the documentation the building owner provides to the building permit jurisdiction.	
Printed: _____ Signature: _____ Title: _____	Date: <u>06/25/17</u> Name: <u>002357</u>

[illegible]



**CALIFORNIA ENERGY COMMISSION**  
**NRC-ELC-4**  
 (Page 2 of 3)

STATE OF CALIFORNIA  
**Electrical Power Distribution**  
 (NRC-ELC-4) (Power 2010)  
**CERTIFICATE OF COMPLIANCE**  
**Electrical Power Distribution**

**Table Name:** \_\_\_\_\_

**6. Disaggregation of Electrical Loads**

- ☐ Each newly installed subfeedboard, panel, and meter must be disaggregated according to the requirements of Table 1.
- ☐ Individual line volt-units, loads or disconnections that require:
- ☐ As an alternative, current transformers can be added for measurement purposes only be installed. In this case, the measurement device must be installed.
- ☐ Fit out a separate line for each subfeedboard, meter cabinet, subfeedboard, meter control center, panelboard or switchgear.

**MINIMUM REQUIREMENTS FOR METERING OF ELECTRICAL LOAD**

More than 250 kVA and less than 100 MW	More than 250 kVA and less than 100 MW	Service meter More than 1000 kVA
<input type="checkbox"/> not required <input type="checkbox"/> required	<input type="checkbox"/> not required <input type="checkbox"/> required	<input type="checkbox"/> not required <input type="checkbox"/> required

[illegible]

A-0.5C

STATE OF CALIFORNIA <b>Electrical Power Distribution</b> <small>ORGANIZED/CLUSTERED POWER SERVICE</small>		CALIFORNIA ENERGY COMMISSION  NWC-ELC-01-1	
CERTIFICATE OF COMPLIANCE Electrical Power Distribution		(Page 6 of 9)	
Project Name _____		Job Number _____	
<div style="border: 1px solid black; padding: 5px;"> <b>C. Voltage Drop</b>  <input type="checkbox"/> Attach voltage drop worksheet to this form.  <input type="checkbox"/> Field inspector has discussion to approve the worksheet; the tables set out below in this section are advisory only.  <input type="checkbox"/> Feeder conductors and branch circuits that are dedicated to emergency services are exempt from these requirements.  <input type="checkbox"/> An advisory table of typical power factors is shown below.         </div>			
Feeders. Feeder distributors shall be sized for a maximum voltage drop of ____ percent at design load.		Field Inspector	Date Day    Mo    Year
Branch Circuits. Branch circuit conductors shall be sized for a maximum voltage drop of 3 percent at design load.			

[illegible]



STATE OF CALIFORNIA  
INDOOR LIGHTING - LIGHTING CONTROLS  
NRCCL-11-02-E (Rev. 08/14)  
CALIFORNIA ENERGY COMMISSION  
CERTIFICATE OF COMPLIANCE  
Indoor Lighting - Lighting Controls  
Project Name: 8101 Restroom R  
Date: 02/23/15  
(Page 1 of 3)

The NRCCL-11-02-E shall be used to document all mandatory and prescriptive lighting controls that are applicable to the project.

Mandatory Lighting Control Declaration Statements (Indicate if the measure applies by checking yes or no below.)	
YES	NO
<input checked="" type="checkbox"/>	<input type="checkbox"/>
Lighting shall be controlled by self-contained lighting control devices which are certified to the Energy Commission according to the Title 20 Appliance Efficiency Regulations in accordance with Section 110.9.	
<input checked="" type="checkbox"/>	<input type="checkbox"/>
Lighting shall be controlled by a lighting control system or energy management control system in accordance with §110.9. An Installation Certificate shall be submitted in accordance with Section 130.4(b).	
<input checked="" type="checkbox"/>	<input type="checkbox"/>
One or more Track Lighting Integral Current Limiters shall be installed which have been certified to the Energy Commission in accordance with §110.9 and §130.4. Additionally, an Installation Certificate shall be submitted in accordance with Section 130.4(b).	
<input checked="" type="checkbox"/>	<input type="checkbox"/>
A Track Lighting Supplementary Overcurrent Protection Panel shall be installed in accordance with Section 110.9 and Section 130.4. Additionally, an Installation Certificate shall be installed in accordance with Section 130.4(b).	
<input checked="" type="checkbox"/>	<input type="checkbox"/>
All lighting controls and equipment shall comply with the applicable requirements in §110.9 and shall be installed in accordance with the manufacturer's instructions in accordance with Section 130.1.	
<input checked="" type="checkbox"/>	<input type="checkbox"/>
All luminaires shall be functionally controlled with manually switched ON and OFF lighting controls in accordance with Section 130.1(a).	
<input checked="" type="checkbox"/>	<input type="checkbox"/>
General lighting shall be separately controlled from all other lighting systems in an area. Floor and wall display, window display, case display, ornamental, and special effects lighting shall each be separately controlled on circuits that are 20 amps or less. When track lighting is used, general, display, ornamental, and special effects lighting shall each be separately controlled; in accordance with Section 130.1(a)(5).	
<input checked="" type="checkbox"/>	<input type="checkbox"/>
The general lighting of any enclosed area 100 square feet or larger, with a connected lighting load that exceeds 0.5 watts per square foot shall meet the multi-level lighting control requirements in accordance with Section 130.1(b).	
<input checked="" type="checkbox"/>	<input type="checkbox"/>
All installed indoor lighting shall be equipped with controls that meet the applicable Shut-Off control requirements in Section 130.1(c).	
<input checked="" type="checkbox"/>	<input type="checkbox"/>
Lighting in all Daylit Zones shall be controlled in accordance with the requirements in Section 130.1(d) and daylit zones are shown on the plans.	
<input checked="" type="checkbox"/>	<input type="checkbox"/>
Lighting power in buildings larger than 10,000 square feet shall be capable of being automatically reduced in response to a Demand Responsive Signal in accordance with Section 130.1(e).	
<input checked="" type="checkbox"/>	<input type="checkbox"/>
Before an occupancy permit is granted for a newly constructed building or area, or a new lighting system serving a building, area, or site is operated for normal use, indoor lighting controls serving the building, area, or site shall be certified as meeting the Acceptance Requirements for Code Compliance in accordance with Section 130.4 (a). The controls required to meet the Acceptance Requirements include automatic daylight controls, automatic shut-off controls, and demand responsive controls.	

CA Building Energy Efficiency Standards - 2013 Nonresidential Compliance

June 2014

STATE OF CALIFORNIA  
INDOOR LIGHTING - LIGHTING CONTROLS  
NRCCL-11-02-E (Rev. 08/14)  
CALIFORNIA ENERGY COMMISSION  
CERTIFICATE OF COMPLIANCE  
Indoor Lighting - Lighting Controls  
Project Name: 8101 Restroom R  
Date: 02/23/15  
(Page 2 of 3)

A separate document must be filled out for Conditioned and Unconditioned Spaces. This page is used only for the following:  
☐ CONDITIONED SPACES ☒ UNCONDITIONED SPACES

MANDATORY AND PRESCRIPTIVE INDOOR LIGHTING CONTROL SCHEDULE, PAF CALCULATION, and FIELD INSPECTION CHECKLIST															
Lighting Control Schedule			Standards Complying With 1												
			✓ if Acceptance Test Required												
			✓ all that apply, or enter "E" if (Exempted)												
A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	
Location in Building	Type/Description of Lighting Control (i.e.: occupancy sensor, automatic time switch, dimmer, automatic daylight, etc.)	# of Units	§130.1(a)	§130.1(c)	§130.1(b)	§130.1(a)	§130.1(a)	§130.1(a)	§140.6(d)	Control Credit	Field Inspection	Final Inspection			
8101 Restroom	OCCUPANCY SENSOR	2											Pass	Fail	
													<div><input type="checkbox"/></div> <div><input type="checkbox"/></div> <div><input type="checkbox"/></div> <div><input type="checkbox"/></div> <div><input type="checkbox"/></div> <div><input type="checkbox"/></div> <div><input type="checkbox"/></div> <div><input type="checkbox"/></div>	<div><input type="checkbox"/></div> <div><input type="checkbox"/></div> <div><input type="checkbox"/></div> <div><input type="checkbox"/></div> <div><input type="checkbox"/></div> <div><input type="checkbox"/></div> <div><input type="checkbox"/></div> <div><input type="checkbox"/></div>	
Control Credit PAGE TOTAL (Sum of Column M):											0				
IF MULTIPLE PAGES ARE USED, ENTER SUM TOTAL OF Control Credit for all pages HERE (Sum of M Column M):													Enter Control Credit Total into NRCCL-11-01-E, Page 1		
1. §130.1(a) = Manual area controls; §130.1(b) = Multi Level; §130.1(c) = Auto Shut-Off; §130.1(d) = Mandatory Daylighting; §130.1(e) = Demand Responsive; §140.6(d) = Additional lighting controls installed to earn a PAF; §140.6(d) = Prescriptive Secondary Daylight Control.															
2. Check Table 140.6-A for correct Factor. PAFs shall not be traded between conditioned and unconditioned spaces. As a condition to earn a PAF, an Installation Certificate is also required to be filled out, signed, and submitted.															

CA Building Energy Efficiency Standards - 2013 Nonresidential Compliance

June 2014

STATE OF CALIFORNIA  
INDOOR LIGHTING - LIGHTING CONTROLS  
NRCCL-11-02-E (Rev. 08/14)  
CALIFORNIA ENERGY COMMISSION  
CERTIFICATE OF COMPLIANCE  
Indoor Lighting - Lighting Controls  
Project Name: 8101 Restroom R  
Date: 02/23/15  
(Page 3 of 3)

DECLARATION AUTHORITY'S DECLARATION STATEMENT  
1. I certify that this Certificate of Compliance documentation is accurate and complete.  
Declaration Authority: Lydia Barron  
Company: 8101 Restroom R  
Address: 8101 Restroom R  
City/State/Zip: 92501  
Date: 02/23/15  
Phone: 951-943-5393  
FAX: 951-943-2211  
RESPONSIBLE PERSON'S DECLARATION STATEMENT  
I certify the following under penalty of perjury, under the laws of the State of California:  
1. The information provided in this Certificate of Compliance is true and correct.  
2. I am eligible under Division 3 of the Business and Professions Code to accept responsibility for the building design or system design identified on this Certificate of Compliance (designer).  
3. The energy features and performance specifications, materials, components, and manufactured devices for the building design or system design identified on this Certificate of Compliance conform to the requirements of Title 24, Part 1 and Part 6 of the California Code of Regulations.  
4. The building design features or system design features identified on this Certificate of Compliance are consistent with the information provided on other applicable compliance documents, worksheets, calculations, plans and specifications submitted to the enforcement agency for approval with this building permit application.  
5. I will ensure that a completed signed copy of this Certificate of Compliance shall be made available with the building permit(s) issued for the building, and made available to the enforcement agency for all applicable inspections. I understand that a completed signed copy of this Certificate of Compliance is required to be included with the documentation the building provides to the building owner at occupancy.  
Responsible Designer Name: Lydia Barron  
Company: 8101 Restroom R  
Address: 8101 Restroom R  
City/State/Zip: 92501  
Date: 02/23/15  
Phone: 951-943-5393  
FAX: 951-943-2211

CA Building Energy Efficiency Standards - 2013 Nonresidential Compliance

June 2014

Lydia Barron

Digitally signed by Lydia Barron  
DN: cn=Lydia Barron, ou=California, ou=California Department of General Services, ou=Division of the State Architect, ou=www.enresign.com/industry/CES, email=lydia.barron@ces.gov, Date: 2015.02.23 16:09:46 -0700

## DESIGN ENERGY VALUES BY ZONE 1

## CONSTRUCTION WASTE MANAGEMENT PLAN

- A. DEFINITIONS
- CONSTRUCTION AND DEMOLITION (C&D) WASTE: INCLUDES ALL NON-HAZARDOUS SOLID WASTES RESULTING FROM CONSTRUCTION, REMODELING, ALTERATIONS, REPAIR, AND DEMOLITION, INCLUDES MATERIAL THAT IS RECYCLED, REUSED, SALVAGED OR DISPOSED AS GARBAGE.
  - RECYCLING: THE PROCESS OF SORTING, CLEANING, TREATING, AND RECONSTITUTING MATERIALS FOR THE PURPOSE OF USING THE MATERIAL IN THE MANUFACTURE OF A NEW PRODUCT.
  - CO-MINGLED C&D RECYCLING: THE PROCESS OF COLLECTING MIXED RECYCLABLE MATERIALS IN ONE CONTAINER ON-SITE. THE CONTAINER IS TAKEN TO A MATERIAL RECOVERY FACILITY WHERE MATERIALS ARE SEPARATED FOR RECYCLING.
- B. PERFORMANCE REQUIREMENTS
- GENERAL: WASTE MATERIAL GENERATED DURING PROJECTS SHALL BE RECYCLED OR REUSED WHENEVER PRACTICABLE. DIVERT A MINIMUM OF 90% C&D WASTE, BY WEIGHT, FROM THE LANDFILL BY A CO-MINGLED C&D RECYCLING FACILITY.  
I. C&D WASTE MATERIALS THAT SHALL BE SALVAGED, REUSED OR RECYCLED INCLUDE, BUT ARE NOT LIMITED TO, THE FOLLOWING:  
CONCRETE, METALS, WINDOW GLASS, WOOD, GYPSUM BOARD, CARPETING AND PAD, CEILING TILES
  - QUALITY ASSURANCE  
I. PRECONSTRUCTION CONFERENCE: REVIEW METHODS AND PROCEDURES RELATED TO WASTE MANAGEMENT INCLUDING, BUT NOT LIMITED TO, THE FOLLOWING:  
I. REVIEW AND DISCUSS WASTE MANAGEMENT PLAN INCLUDING RESPONSIBILITIES OF WASTE MANAGEMENT COORDINATOR.  
II. REVIEW REQUIREMENTS FOR DOCUMENTING QUANTITIES OF EACH TYPE OF MATERIALS THAT WILL BE SALVAGED, RECYCLED OR DISPOSED AS WASTE.  
III. REVIEW PROCEDURES FOR PERIODIC WASTE COLLECTION AND TRANSPORTATION TO RECYCLING AND DISPOSAL FACILITIES.  
IV. REVIEW WASTE MANAGEMENT REQUIREMENTS FOR EACH TRADE.
- C. WASTE MANAGEMENT PLAN
- IDENTIFY AND CONTRACT WITH A WASTE MANAGEMENT SERVICES PROVIDER OR ASSIGN RESPONSIBILITY TO INHOUSE WASTE MANAGEMENT PROJECT ADMINISTRATOR.
  - RESPONSIBLE PARTY SHALL DEVELOP AND PROVIDE A PLAN WHICH INCLUDES THE FOLLOWING INFORMATION:  
I. TYPES OF C&D WASTE EXPECTED TO BE GENERATED DURING DEMOLITION AND CONSTRUCTION.  
II. PROPOSED METHODS FOR C&D WASTE SALVAGE, REUSE, RECYCLING AND DISPOSAL DURING CONSTRUCTION INCLUDING, BUT NOT LIMITED TO, ONE OR MORE OF THE FOLLOWING:  
A. REQUIRING SUBCONTRACTORS TO TAKE THEIR C&D WASTE TO A RECYCLING FACILITY.  
B. CONTRACTING WITH A RECYCLING HAULER TO HAUL RECYCLABLE C&D WASTE TO AN APPROVED RECYCLING OR MATERIAL RECOVERY FACILITY.  
C. PROCESSING AND REUSING MATERIALS ON-SITE.
- D. WASTE MANAGEMENT REPORT
- WASTE MANAGEMENT SERVICES PROVIDER OR ADMINISTRATOR SHALL SUBMIT A CUMULATIVE WASTE MANAGEMENT REPORT ON A REGULAR BASIS WHICH INCLUDES:  
I. A RECORD OF THE TYPE AND QUANTITY, BY WEIGHT, OF EACH MATERIAL SALVAGED, REUSED, RECYCLED OR DISPOSED.  
II. TOTAL QUANTITY OF WASTE RECYCLED AS A PERCENTAGE OF TOTAL WASTE.  
III. DISPOSAL RECEIPTS, COPY OF RECEIPTS ISSUED BY A DISPOSAL FACILITY FOR C&D WASTE THAT IS DISPOSED IN A LANDFILL.  
IV. RECYCLING RECEIPTS: COPY OF RECEIPTS ISSUED BY APPROVED RECYCLING FACILITIES FOR COMINGLED MATERIALS. INCLUDE WEIGHT TICKETS FROM THE RECYCLING HAULER OR MATERIAL RECOVERY FACILITY AND VERIFICATION OF THE RECYCLING RATE FOR COMINGLED LOADS AT THE FACILITY.  
V. SALVAGED MATERIALS DOCUMENTATION: TYPES AND QUANTITIES, BY WEIGHT, FOR MATERIALS SALVAGED FOR REUSE ON SITE, SOLD OR DONATED TO A THIRD PARTY.
- F. CONSTRUCTION WASTE MANAGEMENT: GENERAL REQUIREMENTS
- USE DETAILED MATERIAL ESTIMATES TO REDUCE RISK OF UNPLANNED AND POTENTIALLY WASTEFUL CUTS.
  - TO THE GREATEST EXTENT POSSIBLE, INCLUDE IN MATERIAL PURCHASING AGREEMENTS A WASTE REDUCTION PROVISION REQUESTING THAT MATERIALS AND EQUIPMENT BE DELIVERED IN PACKAGING MADE OF RECYCLABLE MATERIAL, THAT THEY REDUCE THE AMOUNT OF PACKAGING, THAT PACKAGING BE TAKEN BACK FOR REUSE OR RECYCLING, AND TO TAKE BACK ALL UNUSED PRODUCT. INSURE THAT SUBCONTRACTORS REQUIRE THE SAME PROVISIONS IN THEIR PURCHASE AGREEMENTS.
  - CONDUCT REGULAR VISUAL INSPECTIONS OF DUMPSTERS AND RECYCLING BINS TO REMOVE CONTAMINANTS.
- G. REMOVAL OF CONSTRUCTION WASTE MATERIALS: GENERAL REQUIREMENTS
- REMOVE C&D WASTE MATERIALS FROM PROJECT SITE ON A REGULAR BASIS. DO NOT ALLOW C&D WASTE TO ACCUMULATE ON-SITE.
  - TRANSPORT C&D WASTE MATERIALS OFF PROPERTY AND LEGALLY DISPOSE OF THEM.
  - BURNING OF C&D WASTE IS NOT PERMITTED.

## IEQ PLAN

- A. CONSTRUCTION PHASE:
- FILTERS  
I. ALL MECHANICAL EQUIPMENT WHICH REQUIRES A FILTER SHALL NOT BE OPERATED WITHOUT A FILTER IN PLACE.  
II. ALL FILTERS SHALL HAVE A MERV RATING OF 9 OR GREATER.  
III. A PRESSURE GAUGE SHALL BE INSTALLED AT ALL MECHANICAL EQUIPMENT REQUIRING FILTERS WHICH MEASURES THE PRESSURE DROP ACROSS THE FILTER AND WHICH IS MARKED TO INDICATE WHEN THE FILTER REQUIRES CLEANING OR REPLACEMENT
  - PROTECTION OF MATERIALS  
I. ALL BUILDING MATERIALS SHALL BE PROTECTED FROM WEATHER AND OTHER MOISTURE SOURCES WHEN RECOMMEND BY THE MANUFACTURER.  
II. ANY POROUS MATERIAL WITH VISIBLE MICROBIAL GROWTH SHALL NOT BE INSTALLED.  
III. ANY OTHER MATERIAL WITH VISIBLE MICROBIAL GROWTH SHALL BE THOROUGHLY CLEAN AND DECONTAMINATED PRIOR TO INSTALLATION.
  - PROTECTION OF INTERIOR ENVIRONMENT  
I. WHENEVER POSSIBLE ALL SANDING, CUTTING GRINDING OR OTHER ACTIVITIES WHICH WILL GENERATE AIRBORNE PARTICLES SHALL BE PERFORMED AWAY FROM THE BUILDING.  
II. WHERE AIRBORNE PARTICLES CANNOT BE PERFORMED AWAY FROM THE BUILDING PROTECTIVE MEASURES SHALL BE TAKE TO SEAL INTERIOR AREAS TO REDUCE OR ELIMINATE PARTICLE TRANSFER.  
III. ANY TEMPORARILY UNFILLED EXTERIOR OPENINGS SHALL BE PROTECTED WITH PLASTIC SHEETING, OR OTHER BARRIER, TO PREVENT THE MOISTURE AND OTHER CONTAMINANTS FROM ENTERING THE BUILDING.  
IV. ALL WELDING SHALL BE PERFORMED PRIOR TO THE INSTALLATION OF EXTERIOR WALLS WHEREVER POSSIBLE.
  - DUCT SYSTEM CONSTRUCTION  
I. THE DUCT SYSTEMS SHALL BE CONSTRUCTED AND INSTALLED PER THE SMACNA HV AC DUCT CONSTRUCTION STANDARDS FOR METAL AND FLEXIBLE DUCTWORK.  
II. THE DUCT SYSTEMS SHALL BE CONSTRUCTED AND INSTALLED PER THE SMACNA FIBROUS GLASS DUCT CONSTRUCTION STANDARDS.  
III. THE DUCT SYSTEMS SHALL BE CONSTRUCTED AND INSTALLED NFPA 90A & NFPA 90B.  
IV. ALL OPEN DUCTS AND REGISTERS SHALL BE PROTECTED WITH PLASTIC SHEETING, OR OTHER BARRIER, UNTIL THE BUILDING HAS BEEN COMPLETELY INSTALLED AND ENCLOSED AND THE MECHANICAL SYSTEM IS READY TO BE STARTED.  
V. ALL OIL FILM SHALL BE REMOVED FROM DUCTS PRIOR TO INSTALLATION.  
VI. ALL DUST AND DIRT SHALL BE REMOVED FROM BOTH THE INTERIOR AND EXTERIOR OF ALL DUCTS PRIOR TO INSTALLATION.
  - MATERIALS INSTALLATION  
I. NATURAL OR TEMPORARY MECHANICAL VENTILATION SHALL BE PROVIDED WHEN MATERIALS WHICH EMIT VOLATILE ORGANIC COMPOUNDS (VOC) ARE INSTALLED.  
II. NATURAL OR TEMPORARY MECHANICAL VENTILATION SHALL BE CONTINUED UNTIL SUCH A TIME THAT THE VOC EMISSIONS HAVE DISAPPEARED.  
III. ANY TEMPORARY VENTILATION SHALL BE EXHAUSTED TO THE EXTERIOR OF THE BUILDING.  
IV. WHEN TEMPORARY MECHANICAL VENTILATION IS USED A CONSTRUCTION FILTER SHALL BE INSTALLED WITH MERV RATING OF NOT LESS THAN 8. THE CONSTRUCTION FILTER SHALL BE REPLACED PRIOR TO OCCUPANCY.  
V. MATERIALS INSTALLATION SHALL BE SEQUENCED WHENEVER POSSIBLE TO ALLOW FOR THE INSTALLATION OF VOC EMITTING MATERIALS PRIOR TO THE INSTALLATION OF POROUS AND FIBROUS MATERIALS.  
VI. MATERIALS WHICH EMIT A SIGNIFICANT AMOUNT OF VOCS OR ODORS SHALL BE STORED IN A MANNER WHICH ALLOWS FOR OFF-GASSING, IN A DRY AND WELL VENTILATED AREA, PRIOR TO INSTALLATION.  
VII. CARPETED SURFACES SHALL BE VACUUMED PER THE CARJGREEN LABEL VACUUM CLEANER PROGRAM REQUIREMENTS AT COMPLETION OF CONSTRUCTION AND PRIOR TO OCCUPANCY.

## ACOUSTICAL CONTROL

WHEN THE PRE-CHECKED BUILDING IS SITE ADAPTED, THE BUILDINGS CONSTRUCTED PER THIS PC SHALL MEET THE REQUIREMENTS OF THE 2013 CALIFORNIA GREEN BUILDING STANDARDS CODE, CALIFORNIA CODE OF REGULATIONS, TITLE 24, PART 11, SECTION 5.507.4. WHEN THE PC BUILDING IS PLACED DIRECTLY ADJACENT TO ANOTHER PC BUILDING, THE ADJOINING WALL SECTION FOR THE INTERIOR SOUND TRANSMISSION MUST MEET THE MINIMUM REQUIREMENTS OF STC RATING OF 40 PER SECTION 507.4.3. THE ARCHITECT OF RECORD FOR THE PROJECT SITE THE PC BUILDING IS TO BE INSTALLED UPON SHALL IDENTIFY ANY ADDITIONAL NOISE TRANSMISSION MEASURES ARE REQUIRED BASED UPON THE NOISE LEVEL PRESENT AT THE PROJECT SITE. IF NECESSARY EXTERIOR WALL, ROOF AND WINDOW ASSEMBLIES MEETING THE STC AND OR OITC RATINGS SPECIFIED IN SECTIONS 5.507.4.1 + 5.507.4.1.1 SHALL BE UTILIZED.

## LOW EMITTING MATERIALS + MOISTURE MANAGEMENT

- SEALANTS AND CAULKS  
ALL ADHESIVES, SEALANTS AND CAULKS APPLIED IN THE PROJECT'S INTERIOR SHALL MEET THE REQUIREMENTS OF THE 2013 CALIFORNIA GREEN BUILDING STANDARDS CODE, CALIFORNIA CODE OF REGULATIONS, TITLE 24, PART 11, SECTION 5.504.4.1. PRODUCTS IN THIS CATEGORY INCLUDE BUT ARE NOT LIMITED TO CARPET, RESILIENT AND WOOD FLOORING ADHESIVES; BASE COVE ADHESIVES; CERAMIC TILE ADHESIVES; DRYWALL AND PANEL ADHESIVES; AEROSOL ADHESIVES; ADHESIVE PRIMERS; ACOUSTICAL SEALANTS; FIRE STOP SEALANTS; HVAC DUCT SEALANTS, SEALANT PRIMERS; AND CAULKS.
- PAINTS & COATINGS  
ALL PAINTS AND ARCHITECTURAL COATINGS APPLIED IN THE PROJECT'S INTERIOR SHALL MEET THE REQUIREMENTS OF THE 2013 CALIFORNIA GREEN BUILDING STANDARDS CODE, CALIFORNIA CODE OF REGULATIONS, TITLE 24, PART 11, SECTION 5.504.4.3. PRODUCTS IN THIS CATEGORY INCLUDE BUT ARE NOT LIMITED TO SEALERS, STAINS, CLEAR WOOD FINISHES, FLOOR SEALERS AND COATINGS, WATERPROOFING SEALERS, PRIMERS, FLAT PAINTS AND COATINGS, NON-FLAT PAINTS AND COATINGS, AND RUST PREVENTATIVE COATINGS.
- RESILIENT FLOORING SYSTEMS  
ALL FLOORING SYSTEMS SHALL MEET THE REQUIREMENTS OF THE 2013 CALIFORNIA GREEN BUILDING STANDARDS CODE, CALIFORNIA CODE OF REGULATIONS, TITLE 24, PART 11, SECTION 5.504.4.6.
- COMPOSITE WOOD  
ALL OF THE COMPOSITE WOOD PRODUCTS INSTALLED IN THE PROJECT SHALL MEET THE REQUIREMENTS OF THE 2013 CALIFORNIA GREEN BUILDING STANDARDS CODE, CALIFORNIA CODE OF REGULATIONS, TITLE 24, PART 11, SECTION 5.504.4.5. COMPOSITE WOOD PRODUCTS IN THIS CATEGORY ARE DEFINED IN THE CALIFORNIA AIR RESOURCES BOARD (CARB) AIRBORNE TOXIC CONTROL MEASURE (ATCM) TO REDUCE FORMALDEHYDE EMISSIONS FROM COMPOSITE WOOD PRODUCTS (SECTIONS 93120-93120.12, TITLE 17, CALIFORNIA CODE OF REGULATIONS. THE AFFECTED PRODUCTS INCLUDE: HARDWOOD PLYWOOD, PLYWOOD WITH DECORATIVE SOFTWOOD VENEER, LAMINATED PRODUCTS WITH A COMPOSITE WOOD CORE OR PLATFORM, PARTICLEBOARD, MEDIUM DENSITY FIBERBOARD (MDF), AND FINISHED GOODS FABRICATED FROM.
- CEILING & WALL SYSTEMS  
ALL CEILING AND WALL SYSTEMS INSTALLED IN THE PROJECT'S INTERIOR TOTALING 90% OR MORE OF THE TOTAL AREAS OF SUCH PRODUCTS SHALL MEET THESE REQUIREMENTS: CEILING AND WALL SYSTEMS INCLUDE BUT ARE NOT LIMITED TO CEILING INSULATION INSTALLED WITHIN THE STRUCTURAL ENVELOPE, WALL INSULATION, ACOUSTICAL CEILING PANELS, GYPSUM BOARD WALL PANELS, TACKABLE WALL PANELS, AND WALL COVERINGS. CERAMIC TILE AND OTHER ORGANIC-FREE METAL- OR MINERAL-BASED WALL COVERINGS ARE AVAILABLE FOR CREDIT WITHOUT ANY TESTING REQUIREMENTS. SITE APPLIED ADHESIVES AND SEALANTS AND SITE APPLIED PAINTS AND COATINGS ASSOCIATED WITH CEILING AND WALL SYSTEMS ARE TREATED UNDER OPTIONS 1 AND 2, RESPECTIVELY. CEILING AND WALL SYSTEMS SHALL BE TESTED AND EVALUATED FOR EMISSIONS OF VOCS OF CONCERN WITH RESPECT TO CHRONIC INHALATION EXPOSURES FOLLOWING THE SPECIFICATIONS OF THE CDPH STANDARD METHOD V1.1. THE SEPARATE COMPONENTS OR DISTINCT LAYERS OF THESE SYSTEMS SHALL BE MODELED TO THE STANDARD PRACTICE SCHOOL CLASSROOM USING THE CLASSROOM CEILING AREA AND/OR WALL AREA AS APPROPRIATE. FOR SYSTEMS CONSISTING OF MORE THAN ONE DISTINCT LAYER (E.G., WALLS COMPRISED OF INSULATION, WALL PANEL AND WALL COVERING), ALL LAYERS SHALL INDIVIDUALLY MEET THE REQUIREMENTS OF THE STANDARD PRACTICE.
- CARPET SYSTEMS  
ALL CARPET SYSTEMS SHALL MEET THE REQUIREMENTS OF THE 2013 CALIFORNIA GREEN BUILDING STANDARDS CODE, CALIFORNIA CODE OF REGULATIONS, TITLE 24, PART 11, SECTION 5.504.4.4. ALL CARPET SHALL BE PER THE CARPET AND RUG INSTITUTES GREEN LABEL PLUS PROGRAM OR SHALL BE LISTED IN THE CDPH HIGH PERFORMANCE PRODUCT DATABASE. ALL CARPET PAD SHALL BE PER THE CARPET AND RUG INSTITUTE GREEN LABEL PROGRAM.
- PRIMARY EXTERIOR DOORS  
ALL WALL AND FLOOR SURFACES WITHIN 4" OF A PRIMARY EXTERIOR DOOR SHALL BE NON-ABSORBANT. ALL PRIMARY EXTERIOR DOORS SHALL BE PROTECTED BY AN OVERHANG, AVENUE OR SIMILAR ELEMENT NOT LESS THAN 48" IN DEPTH.

## OUTDOOR AIR QUALITY

HVAC, REFRIGERATION AND FIRE SUPPRESSION SYSTEMS SHALL NOT CONTAIN CFCs OR HALONS.

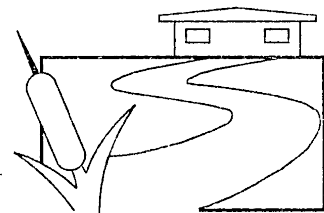
## BUILDING COMMISSIONING, BUILDINGS OVER 10,000 SF

BUILDINGS GREATER THAN 10,000 SQUARE FEET SHALL HAVE BUILDING COMMISSIONING COMPLIANCE PER TITLE 24, PART 6, SECTION 120.8 (a).

- SUMMARY OF COMMISSIONING REQUIREMENTS
- OWNERS OR OWNERS REPRESENTATIVE PROJECT REQUIREMENTS
  - BASIS OF DESIGN
  - DESIGN PHASE DESIGN REVIEW
  - COMMISSIONING MEASURES SHOWN IN THE CONSTRUCTION DOCUMENTS
  - COMMISSIONING PLAN
  - FUNCTIONAL PERFORMANCE TESTING
  - DOCUMENTATION AND TRAINING; AND
  - COMMISSIONING REPORT

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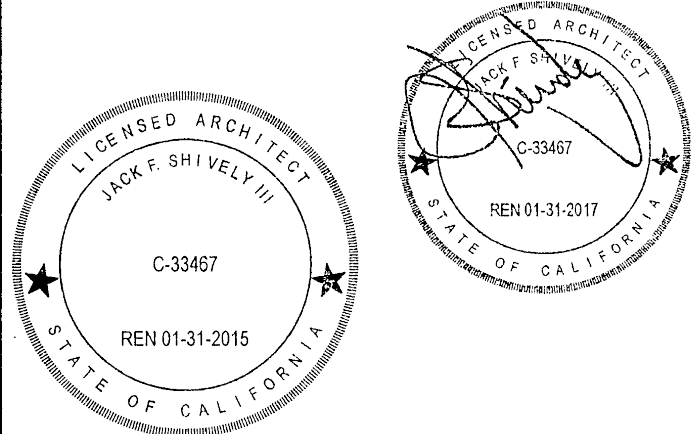
2830 BARRETT AVE. PERRIS, CALIFORNIA 92571  
PHONE: 951-943-5393 FAX: 951-943-2211

PROJECT NAME:

HUNEME ELEMENTARY  
8'-6" x 30'-0"  
TOILET BUILDING

SHEET TITLE:

INDOOR LIGHTING  
CONTROLS &  
CALGREEN SPEC'S

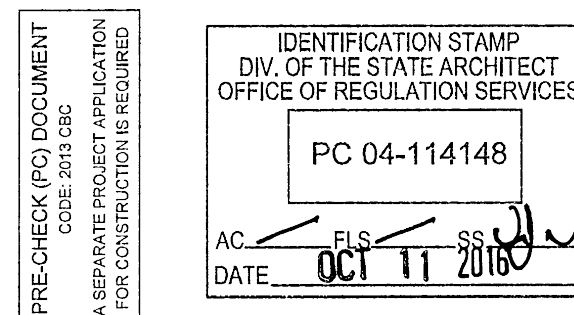


ARCHITECT OF RECORD

PROJECT SPECIFIC STATE AGENCY APPROVAL



ORIGINAL PC STATE AGENCY APPROVAL



REVISIONS	
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8'-6" RESTROOM PC (HIGH SEISMIC)

PROJECT NO:

DRAWN BY: FIL CARRILLO

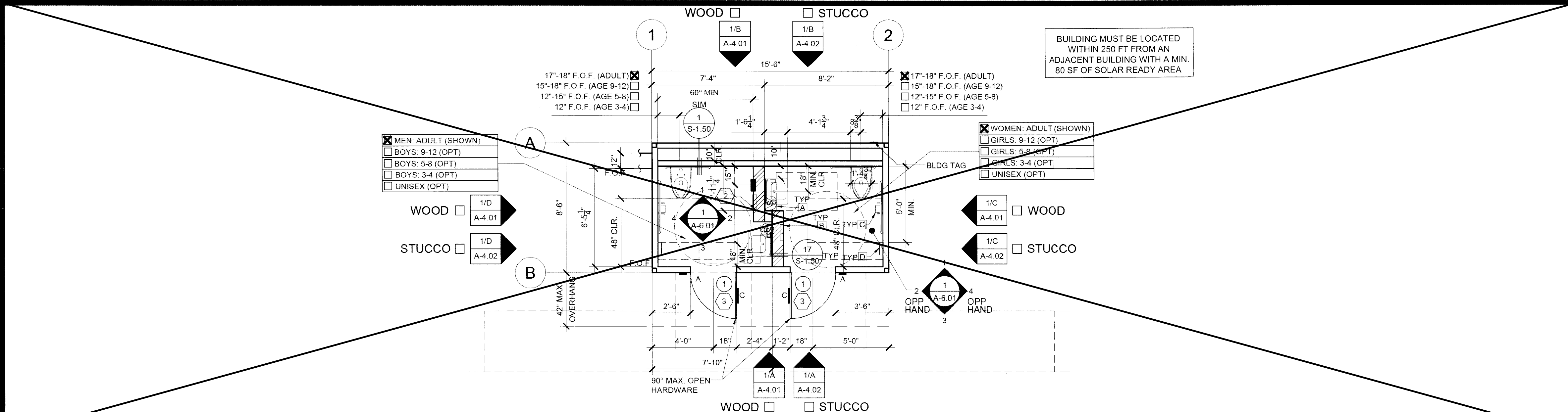
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DATE: 02/04/2015

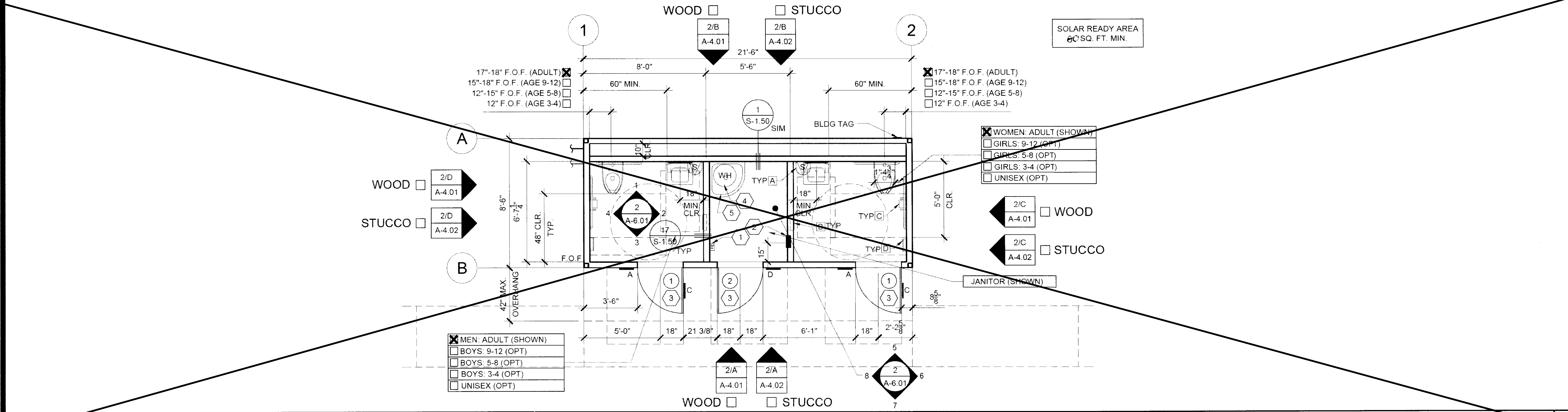
P.C. SHEET NUMBER

A-0.7

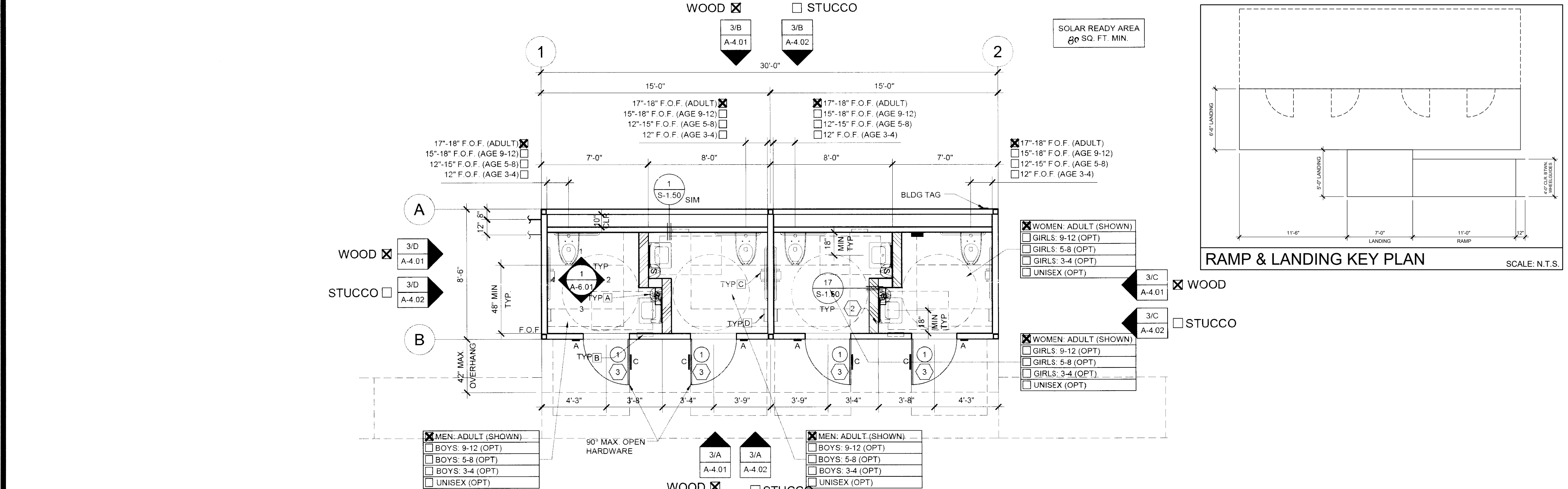




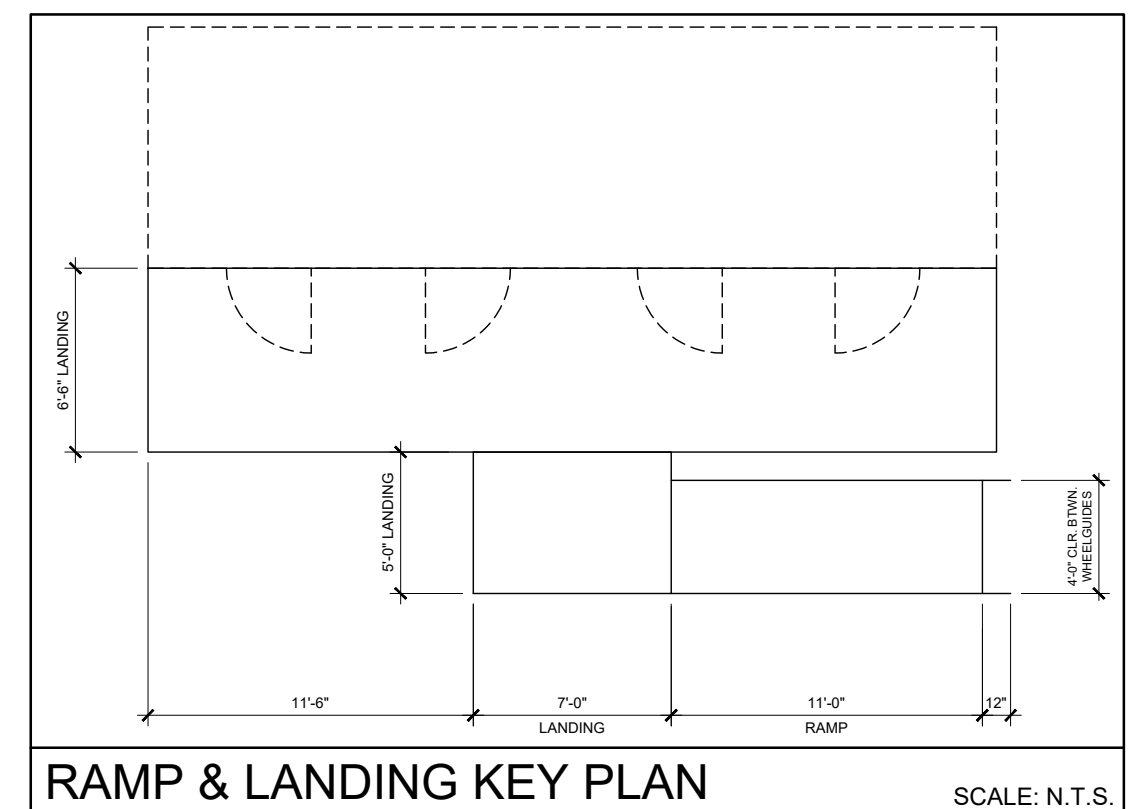
FLOOR PLAN (8'-6" X 15'-6") "A" SCALE: 1/4" = 1'-0"



FLOOR PLAN (8'-6" X 21'-6") "B" SCALE: 1/4" = 1'-0"



FLOOR PLAN (8'-6" X 30'-0") "C" SCALE: 1/4" = 1'-0"



## KEYNOTES

- SEMI-RECESSED FIRE EXTINGUISHER CABINET WITH 5 LB. DRY CHEMICAL WITH 2A-10B-C UL RATING. MOUNT FIRE EXTINGUISHER HANDLE @ 48" A.F.F. (TYP.) 4" MAX. PROJ.
- ELECTRICAL PANEL - SEE ELECTRICAL SHEETS FOR EXACT LOCATION AND CIRCUITS.
- EXTERIOR DOOR - SEE SHEET A-0.2 FOR SIZE AND HARDWARE.
- 6 GALLON ELECTRIC WATER, SEE 14/P-2.01
- MCP SINK

## WALL LEGEND

- 2 x 4 NON-BEARING WALL
- 2 x 8 INTERIOR PLUMBING WALL
- 2 x 6 INTERIOR PLUMBING WALL

## SIGNAGE LEGEND

- A: RESTROOM WALL SIGN - SEE SHEET A-0.1
- B: TACTILE EXIT SIGN - SEE SHEET A-0.1
- C: RESTROOM DOOR SIGN - SEE SHEET A-0.1
- D: ROOM ID SIGN - SEE SHEET A-0.1

## NOTES

- PLACE (2) PERMANENT METAL IDENTIFICATION LABELS ON EACH MODULE, REFER TO IR 16-1 SECTION 2.1.  
(1) LABEL AT REAR EXTERIOR AND (1) LABEL ABOVE CEILING LINE AT INTERIOR FRAME. LABELS WILL BE MECHANICALLY FASTENED AND SHOW THE DSA APPLICATION NUMBER, MANUFACTURERS NAME, SERIAL NUMBER, DESIGN LIVE LOAD FOR ROOF AND FLOOR FRAMING, WIND SPEED, EXPOSURE CATEGORY, K<sub>z1</sub> = 1.0 CBC 2013.
- FLOOR MOUNTED TOILET FIXTURES MUST BE USED FOR KINDERGARTEN RESTROOM BUILDINGS.
- ALL FIXTURE HEIGHTS TO BE VERIFIED PRIOR TO CONSTRUCTION
- REQUIRED LOCATION OF LAVATORY TO BE 18" MIN. FROM FACE OF FINISH OF WALL WHEN ACCESSORIES (PAPER TOWEL DISPENSERS, ELECTRIC HAND DRYERS, ETC.) HAVING A 4" PROJECTION ARE TO BE INSTALLED, SO AS NOT TO ENCR OACH INTO THE 30" x 48" CLEAR SPACE.
- SIGNAGE REQUIRED PER APPLICABLE CODES LISTED ON SHEET COVER SHEET PROVIDED AND INSTALLED BY OTHERS ONSITE. SEE SHEET A-0.1 PROVIDED AND INSTALLED BY OTHERS ONSITE.
- SEE SHEET P-2.01 FOR TOILET ACCESSORIES. FIXTURE SCHEDULE & PLUMBING P.O.C.
- SEE SHEET P-2.01 FOR PLUMBING DETAILS
- FLOOR PLAN SHOWN AS FLUSH WITH GRADE FOR ABOVE GRADE SYSTEMS. REFER TO LANDING AND RAMP SHEETS FOR CLARITY

## TOILET ACCESSORIES

- A SOAP DISPENSER: LIQUID SOAP DISPENSER 4" MAX PROJECTION
- B PAPER TOWEL DISPENSER/TRASH BIN COMBO: SURFACE MOUNTED 4" MAX. PROJECTION-CANNOT ENCR OACH INTO 30"x48" CLEAR SPACE OF FIXTURE
- C TOILET PAPER HOLDER: SINGLE ROLL SEMI-RECESSED OR 3" MAX PROJECTION (MUST HAVE CONTINUOUS PAPER FLOW)
- D TOILET SEAT DISPENSER: SURFACE MOUNTED

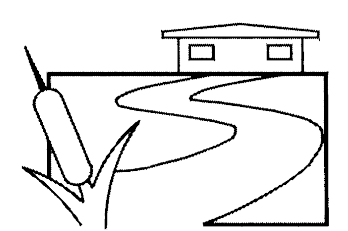
NOTE:  
INCLUDE (4) BOBRICK B-6677 RECESSED TOILET PAPER DISPENSER & (4) BOBRICK B-221 SURFACE MOUNTED SEAT COVER DISPENSERS. REST OF THE ACCESSORIES (NIC) SEE SHEET P-2.01 FOR ACCESSIBLE ELEVATION & DIMENSIONS.

## SYMBOLS LEGEND

- 60" CIRCLE CLEAR SPACE
- 30"x48" CLEAR SPACE

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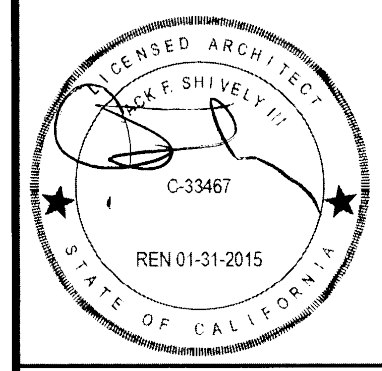
2830 BARRETT AVE. PERRIS, CALIFORNIA 92571  
PHONE: 951-943-5393 FAX: 951-943-2211

PROJECT NAME:

HUNEME ELEMENTARY  
8'-6" x 30'-0"  
TOILET BUILDING

SHEET TITLE:

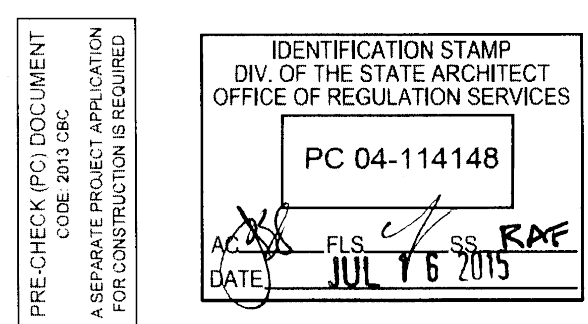
FLOOR PLANS



ARCHITECT OF RECORD

PROJECT SPECIFIC STATE AGENCY APPROVAL

ORIGINAL PC STATE AGENCY APPROVAL



REVISIONS

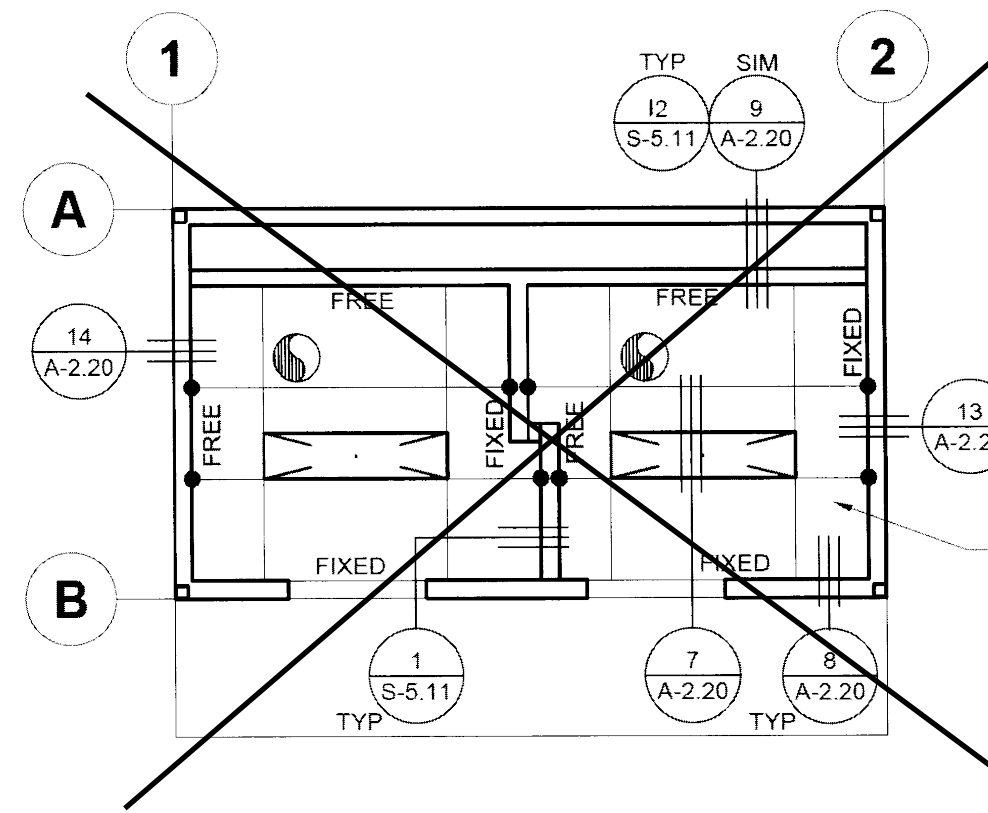
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8'-6" RESTROOM PC (HIGH SEISMIC)

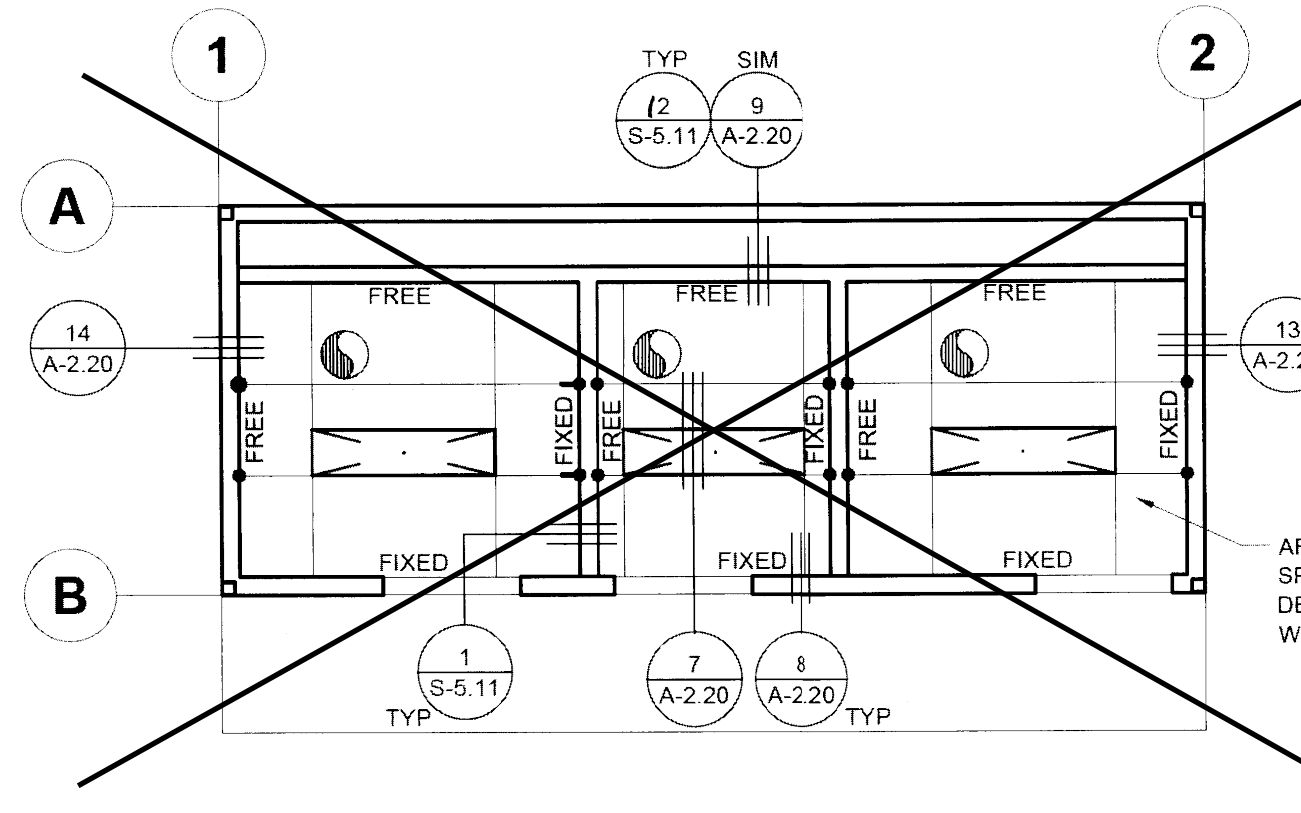
PROJECT NO:  
DRAWN BY: FIL CARRILLO  
SCALE: AS NOTED  
DATE: 02/04/2015  
P.C. SHEET NUMBER

A-1.01

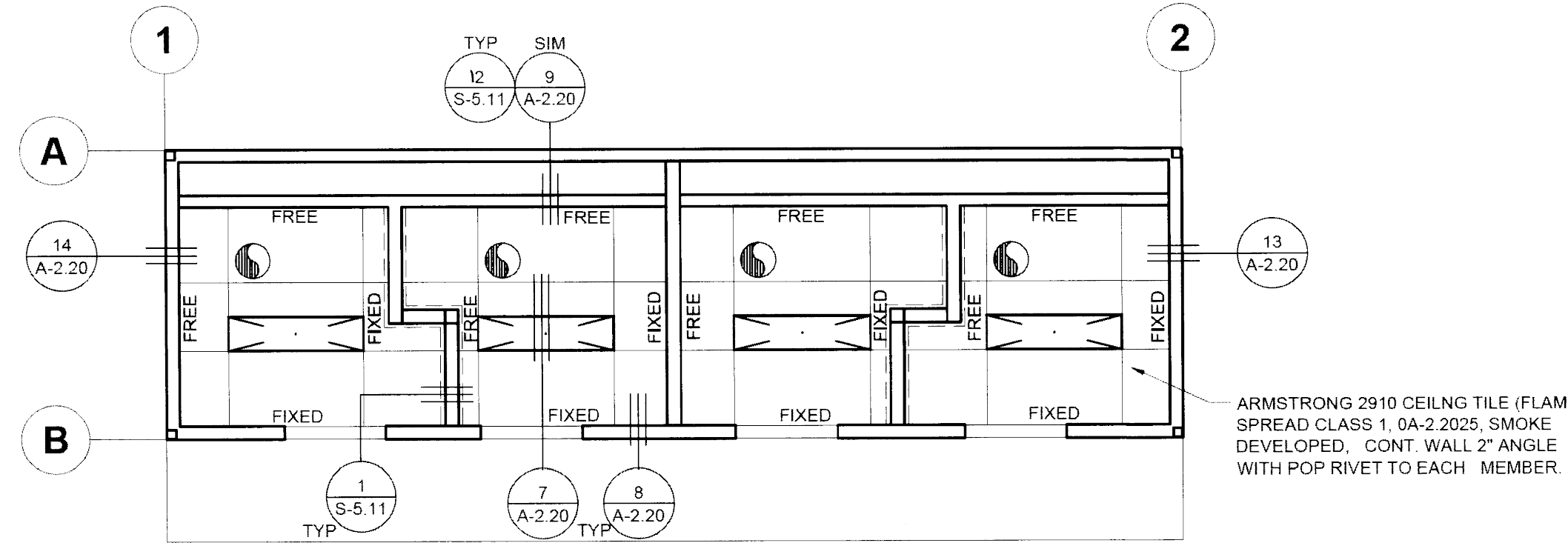




PLAN - A



PLAN - B



PLAN - C

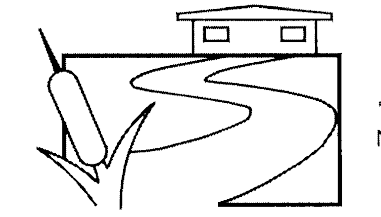
CEILING HEIGHT: 8'-0"

# LEGEND

- CROSS RUNNERS
- SUSPENDED CEILING SYSTEM
- MAIN RUNNERS
- 12" X 48" RECESSED FIXTURE. SEE SHEET ELECTRICAL SHEETS FOR REFERENCE.
- EXHAUST FAN SEE ELECTRICAL SHEETS FOR REFERENCE.
- DRYWALL CEILING FINISH. VERIFY WITH OWNER FOR TEXTURE FINISH.
- MAIN RUNNER LOCATIONS

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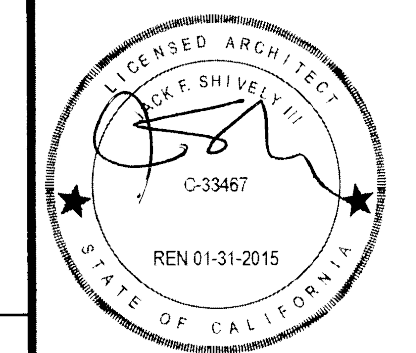
2830 BARRETT AVE. PERRIS, CALIFORNIA 92571  
PHONE: 951-943-5393 FAX: 951-943-2211

PROJECT NAME

**HUNEME ELEMENTARY**  
**8'-6" x 30'-0"**  
**TOILET BUILDING**

SHEET TITLE

**REFLECTED CEILING PLAN**



ARCHITECT OF RECORD

PROJECT SPECIFIC STATE AGENCY APPROVAL

ORIGINAL PC STATE AGENCY APPROVAL

PRE-CHECK (PC) DOCUMENT  
CODE 903 (SIC)  
A SEPARATE PROJECT APPLICATION  
FOR CONSTRUCTION PERMITS

IDENTIFICATION STAMP  
DIV. OF THE STATE ARCHITECT  
OFFICE OF REGULATION SERVICES  
PC 04-114148  
AC: [Signature] FLS: [Signature] SS: RRP  
DATE: JUL 16 2015

REVISIONS


8'-6" RESTROOM PC (HIGH SEISMIC)

PROJECT NO:  
DRAWN BY: FIL CARRILLO  
SCALE: AS NOTED  
DATE: 02/04/2015

P.C. SHEET NUMBER

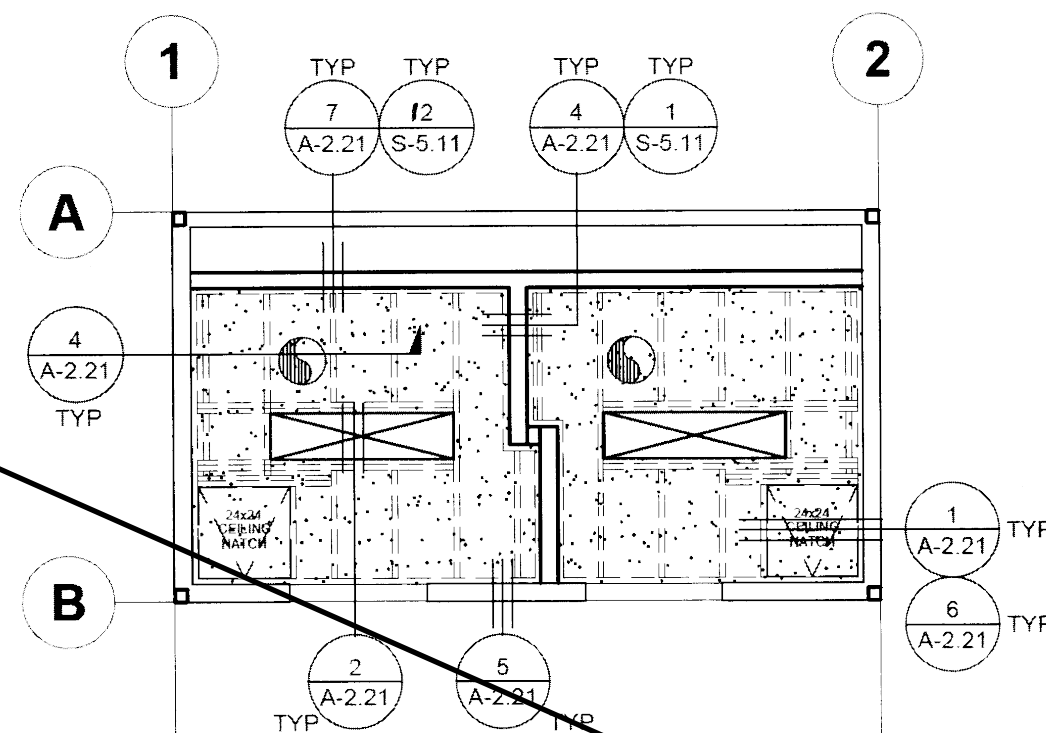
**A-2.01**

SUSPENDED CEILING PLANS (STANDARD APPLICATION)

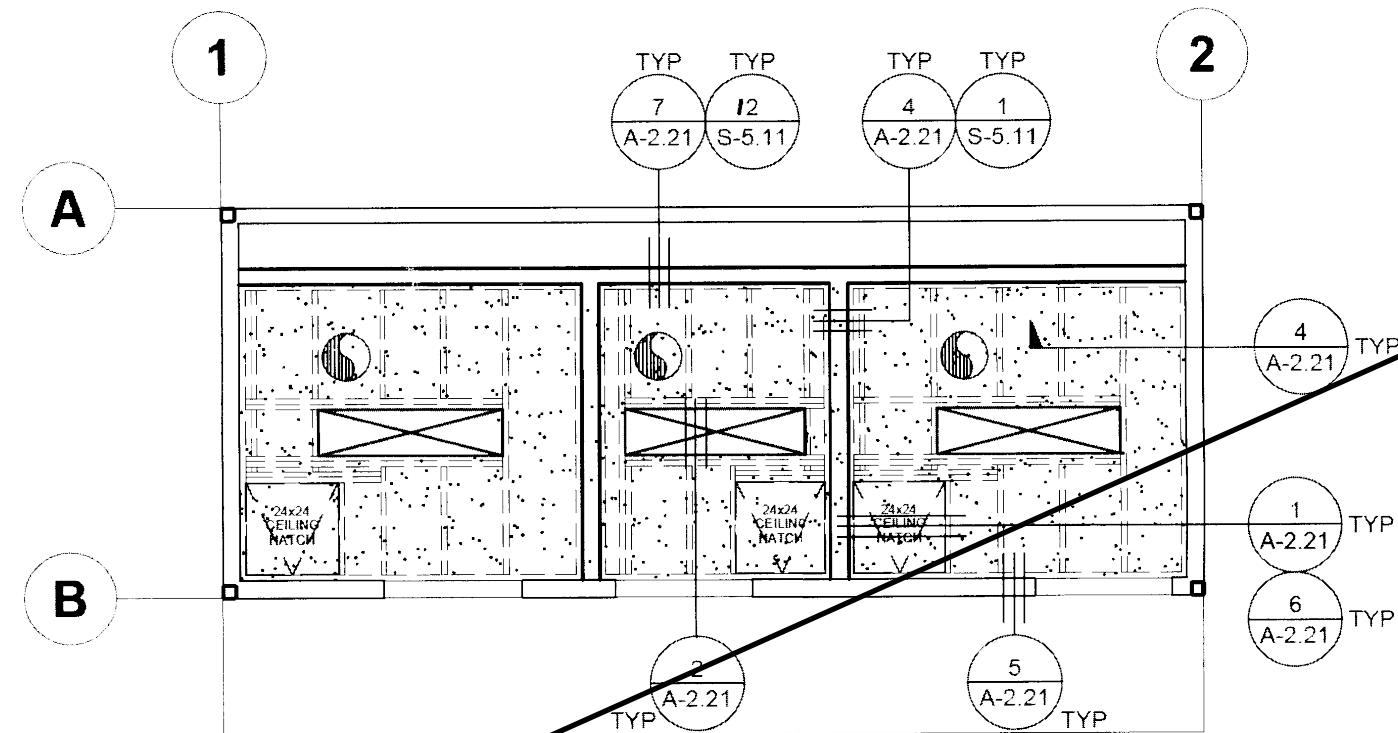
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1 NOTES:

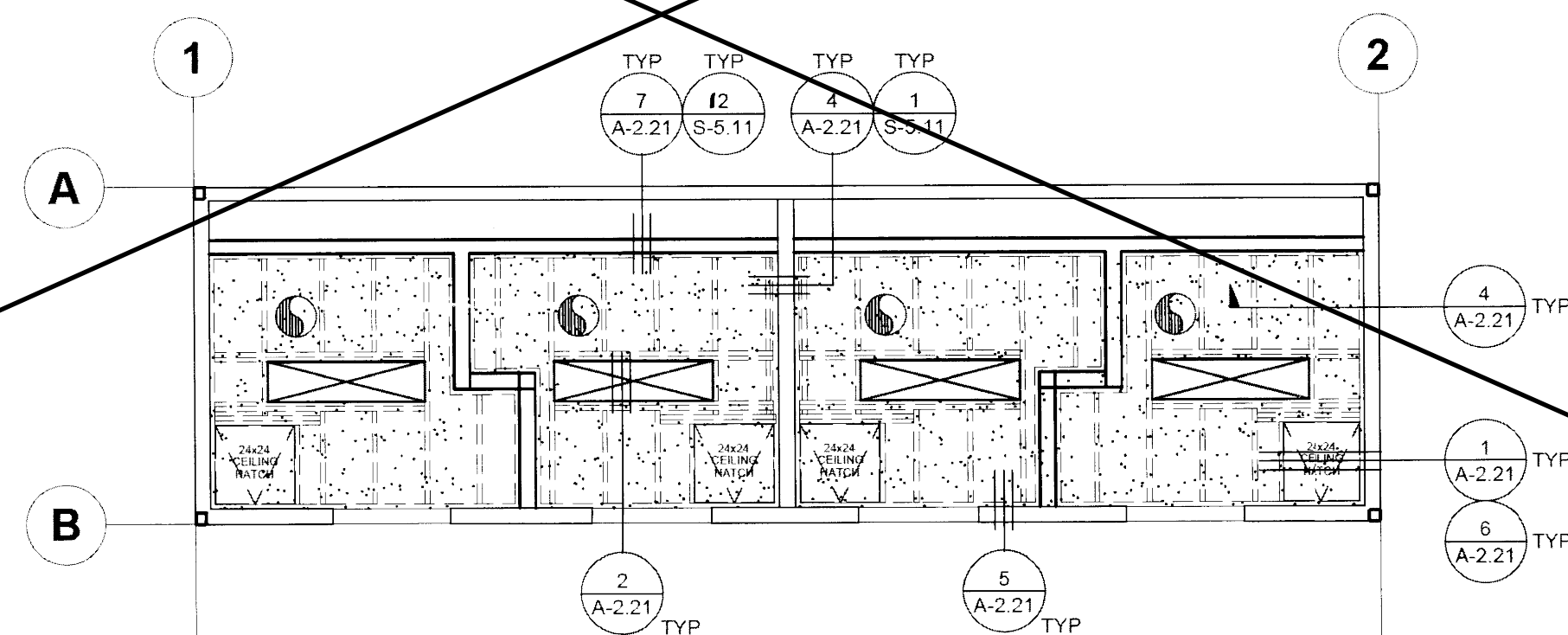
NOTE:  
FOR ALL REFLECTED CEILING NOTES  
SEE SHEET A-0.1



PLAN - A



PLAN - B



PLAN - C

CEILING HEIGHT: 8'-0"

GYPSUM BOARD CEILING PLANS (OPTIONAL APPLICATION)

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

1



<p>NOTE: LOCATION MAY VARY (SEE NOTE 'C' ON SHEET A-8.1)</p>	<p>TYPICAL ALTERNATE</p>		<p>NOT USED</p>
<p>TRAPEZE DETAIL</p>	<p>HVAC REGISTER MOUNTING</p>	<p>SPRAY BRACING WIRE</p>	<p>NOT USED</p>
<p>NOTE: PROVIDE 2" ANGLE WHEN BERC 2 CLIP IS NOT USED ON FREE SIDE.</p>			
<p>FIXED SIDE WITH 7/8" ANGLE</p> <p>NOTE: NO STABILIZER BARS REQ'D WITH CLIP * PROVIDE 2" WALL ANGLE WHEN BERC 2 CLIP IS NOT USED.</p>	<p>FIXED SIDE (ENDWALL)</p>	<p>FIXED SIDE (SIDEWALL)</p>	<p>SEISMIC SPLAY - 4 WAY</p> <p>NOTE: CONDUIT MAY BE CRIMPED ON EITHER SIDE OF T-BAR</p>
<p>FREE SIDE WITH 7/8" ANGLE</p>	<p>FREE SIDE (ENDWALL)</p>	<p>FREE SIDE (SIDEWALL)</p>	<p>COMPRESSION STRUT</p> <p>NOTE: CONDUIT MAY BE CRIMPED ON EITHER SIDE OF T-BAR, DEPENDING UPON CONDITION &amp; LOCATION</p>
<p>NOT USED</p>	<p>NOT USED</p>	<p>HVAC DUCTWORK MOUNTING</p>	<p>COMPRESSION STRUT</p>

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**SILVER CREEK**

2830 BARRETT AVE. PERRIS, CALIFORNIA 92571  
PHONE: 951-943-5393 FAX: 951-943-2211

PROJECT NAME:

**HUNEME ELEMENTARY**  
**8'-6" x 30'-0"**  
**TOILET BUILDING**

SHEET TITLE:

**CEILING DETAILS**  
**(T-GRID)**

ARCHITECT OF RECORD

PROJECT SPECIFIC STATE AGENCY APPROVAL

ORIGINAL PC STATE AGENCY APPROVAL

PRE-CHECKED DOCUMENT  
DATE: 01/16/2015  
A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRED

IDENTIFICATION STAMP  
DIV. OF THE STATE ARCHITECT  
OFFICE OF REGULATION SERVICES

PC 04-114148

AC: FLS: SS: RAC  
DATE: JUL 16 2015

REVISIONS

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8'-6" RESTROOM PC (HIGH SEISMIC)

PROJECT NO:

DRAWN BY: FIL CARRILLO

SCALE: AS NOTED

DATE: 02/04/2015

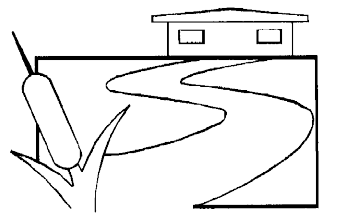
P.C. SHEET NUMBER

**A-2.20**



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**SILVER CREEK**

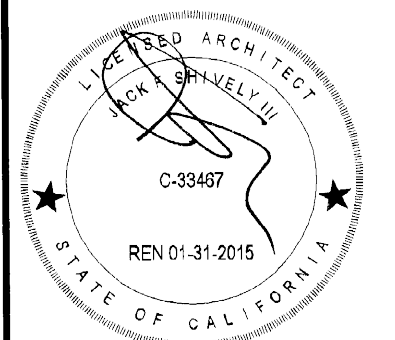
2830 BARRETT AVE. PERRIS, CALIFORNIA 92571  
PHONE: 951-943-5393 FAX: 951-943-2211

PROJECT NAME

**HUNEME ELEMENTARY**  
**8'-6" x 30'-0"**  
**TOILET BUILDING**

SHEET TITLE:

**ROOF PLANS**



ARCHITECT OF RECORD

PROJECT SPECIFIC STATE AGENCY APPROVAL

ORIGINAL PC STATE AGENCY APPROVAL

PRE CHECK FOR DOCUMENT CHECK FOR: - A SEPARATE PROJECT APPLICATION - FOR CONSTRUCTION IS REQUIRED	IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT OFFICE OF REGULATION SERVICES
	PC 04-114148
	AC: <u>FLS</u> SS: <u>RAF</u> DATE: <u>JUL 16 2015</u>

REVISIONS

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8'-6" RESTROOM PC (HIGH SEISMIC)

PROJECT NO:  
DRAWN BY: FIL CARRILLO  
SCALE: AS NOTED  
DATE: 02/04/2015

P.C. SHEET NUMBER

**A-3.01**

ROOF PLAN (8'-6" X 15'-6") "A"

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

ROOF PLAN (8'-6" X 21'-6") "B"

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

ROOF PLAN (8'-6" X 30'-0") "C"

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

STANDING SEAM ROOF

TPO ROOF

STANDING SEAM ROOF

TPO ROOF

STANDING SEAM ROOF

TPO ROOF

BUILDING MUST BE LOCATED  
WITHIN 250 FT FROM AN  
ADJACENT BUILDING WITH A MIN.  
80 SF OF SOLAR READY AREA

BUILDING MUST BE LOCATED  
WITHIN 250 FT FROM AN  
ADJACENT BUILDING WITH A MIN.  
80 SF OF SOLAR READY AREA

SOLAR READY AREA  
80 SF MIN.

SOLAR READY AREA  
80 SF MIN.

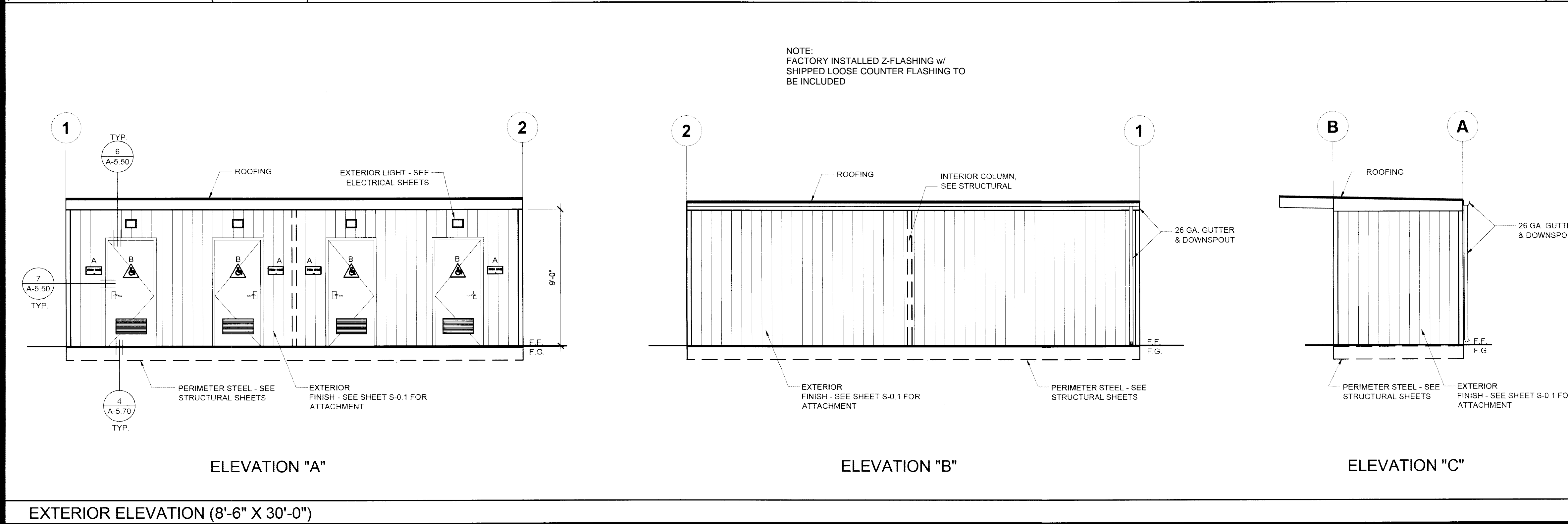
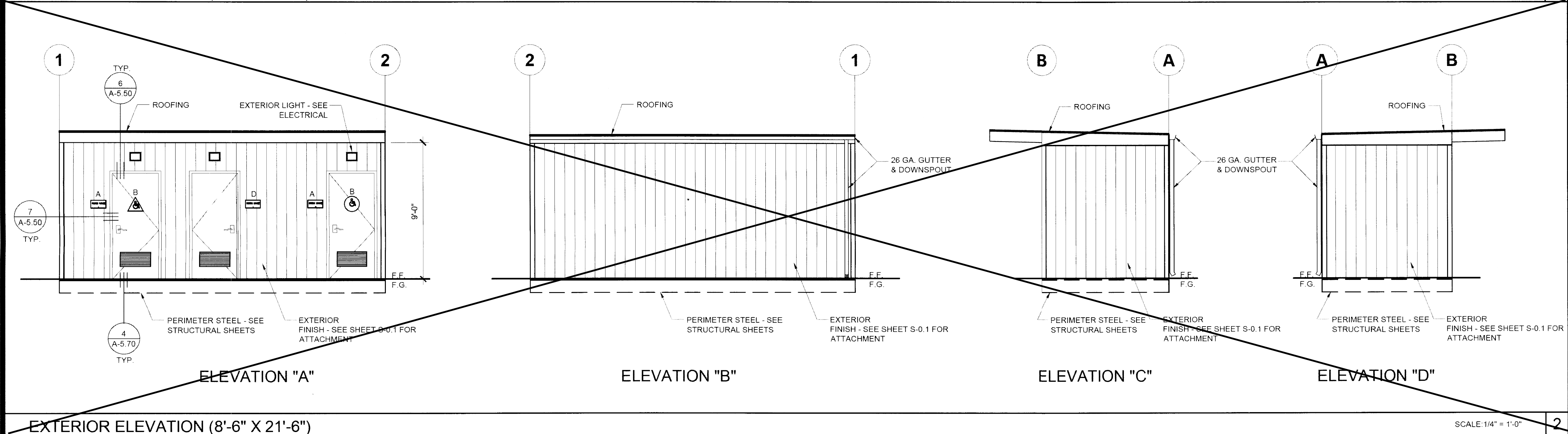
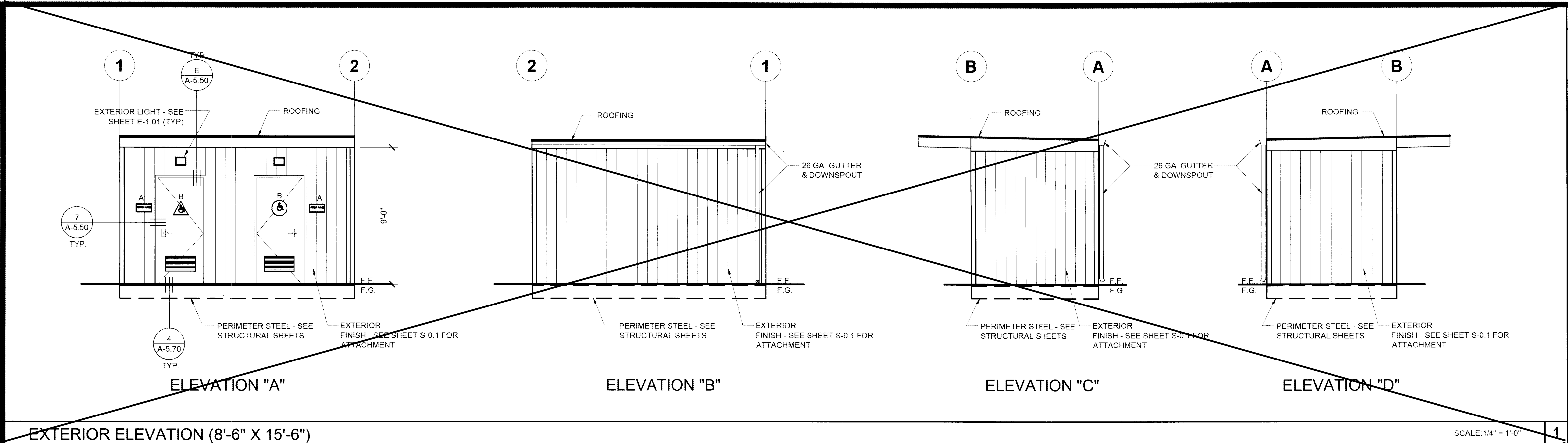
SOLAR READY AREA  
80 SF MIN.

SOLAR READY AREA  
80 SF MIN.







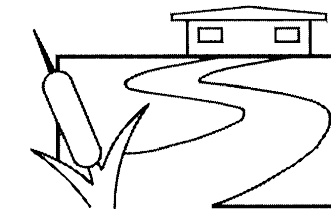


<b>SIGNAGE LEGEND</b>		<p>THESE DRAWINGS AND ALL MATERIAL CONTAINED HEREIN ARE THE PROPERTY OF SILVERCREEK INDUSTRIES, INC. (SCI Inc) AND SHALL NOT BE REPRODUCED, COPIED OR OTHERWISE DISPOSED OF DIRECTLY OR INDIRECTLY AND SHALL NOT BE USED IN WHOLE OR IN PART TO ASSIST IN THE MAKING OF OR FOR THE PURPOSE OF FURNISHING ANY INFORMATION FOR THE MAKING OF DRAWINGS, PRINTS, APPARATUS OR PARTS THEREOF WITHOUT THE FULL KNOWLEDGE AND WRITTEN CONSENT OF SCI Inc.</p> <p>ALL PATENTABLE MATERIAL CONTAINED HEREIN AND ORIGINATING WITH SCI Inc SHALL BE THE PROPERTY OF SCI Inc.</p> <p><b>SILVER CREEK</b></p> <p>2830 BARRETT AVE. PERRIS, CALIFORNIA 92571 PHONE: 951-943-5393 FAX: 951-943-2211</p> <p>PROJECT NAME:</p> <p><b>HUNEME ELEMENTARY</b> <b>8'-6" x 30'-0"</b> <b>TOILET BUILDING</b></p> <p>SHEET TITLE:</p> <p><b>EXTERIOR ELEVATIONS</b> <b>(DURATEMP FINISH)</b></p> <p></p> <p>ARCHITECT OF RECORD</p> <p>PROJECT SPECIFIC STATE AGENCY APPROVAL</p> <p>ORIGINAL PC STATE AGENCY APPROVAL</p> <p></p> <p>REVISIONS</p> <table><tr><td>△</td><td></td></tr><tr><td>△</td><td></td></tr><tr><td>△</td><td></td></tr><tr><td>△</td><td></td></tr><tr><td>△</td><td></td></tr><tr><td>△</td><td></td></tr><tr><td>△</td><td></td></tr></table> <p>8'-6" RESTROOM PC (HIGH SEISMIC)</p> <p>PROJECT NO:</p> <p>DRAWN BY: FIL CARRILLO</p> <p>SCALE: AS NOTED</p> <p>DATE: 02/04/2015</p> <p>P.C. SHEET NUMBER</p> <p><b>A-4.01</b></p>	△		△		△		△		△		△		△	
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<b>NOTES</b>																
<p>1. PLACE (2) PERMANENT METAL IDENTIFICATION LABELS ON EACH MODULE, REFER TO IR 16-1 SECTION 2.1.</p> <p>(1) LABEL AT REAR EXTERIOR AND (1) LABEL ABOVE CEILING LINE AT INTERIOR FRAME. LABELS WILL BE MECHANICALLY FASTENED AND SHOW THE DSA APPLICATION NUMBER, MANUFACTURERS NAME, SERIAL NUMBER, DESIGN LIVE LOAD FOR ROOF AND FLOOR FRAMING, CLIMATE ZONE, WIND SPEED, EXPOSURE CATEGORY. Kzt=L0,2013 CBC</p> <p>2. SIGNAGE REQUIRED PER APPLICABLE CODES LISTED ON SHEET A-0.2 PROVIDED AND INSTALLED BY OTHERS ONSITE. SEE #3/A-0.1 PROVIDED AND INSTALLED BY OTHERS ONSITE.</p> <p>3. BUILDING SHOWN AS FLUSH WITH GRADE. FOR ABOVE GRADE SYSTEMS, REFER TO LANDING AND RAMP SHEETS FOR CLARITY.</p>																



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**SILVER CREEK**

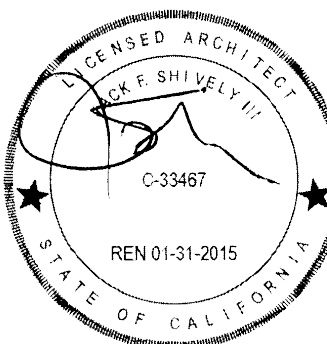
2830 BARRETT AVE, PERRIS, CALIFORNIA 92571  
PHONE: 951-943-5393 FAX: 951-943-2211

PROJECT NAME:

**HUNEME ELEMENTARY**  
**8'-6" x 30'-0"**  
**TOILET BUILDING**

SHEET TITLE:

**CROSS SECTION**



ARCHITECT OF RECORD

PROJECT SPECIFIC STATE AGENCY APPROVAL

ORIGINAL PC STATE AGENCY APPROVAL

PRE-CHECKED DOCUMENT DIV. OF THE STATE ARCHITECT OFFICE OF REGULATION SERVICES A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRED	IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT OFFICE OF REGULATION SERVICES
	PC 04-114148
	AC: <u>      </u> FLS: <u>      </u> RAC DATE: <u>JUL 16 2015</u>

REVISIONS

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8'-6" RESTROOM PC (HIGH SEISMIC)

PROJECT NO:

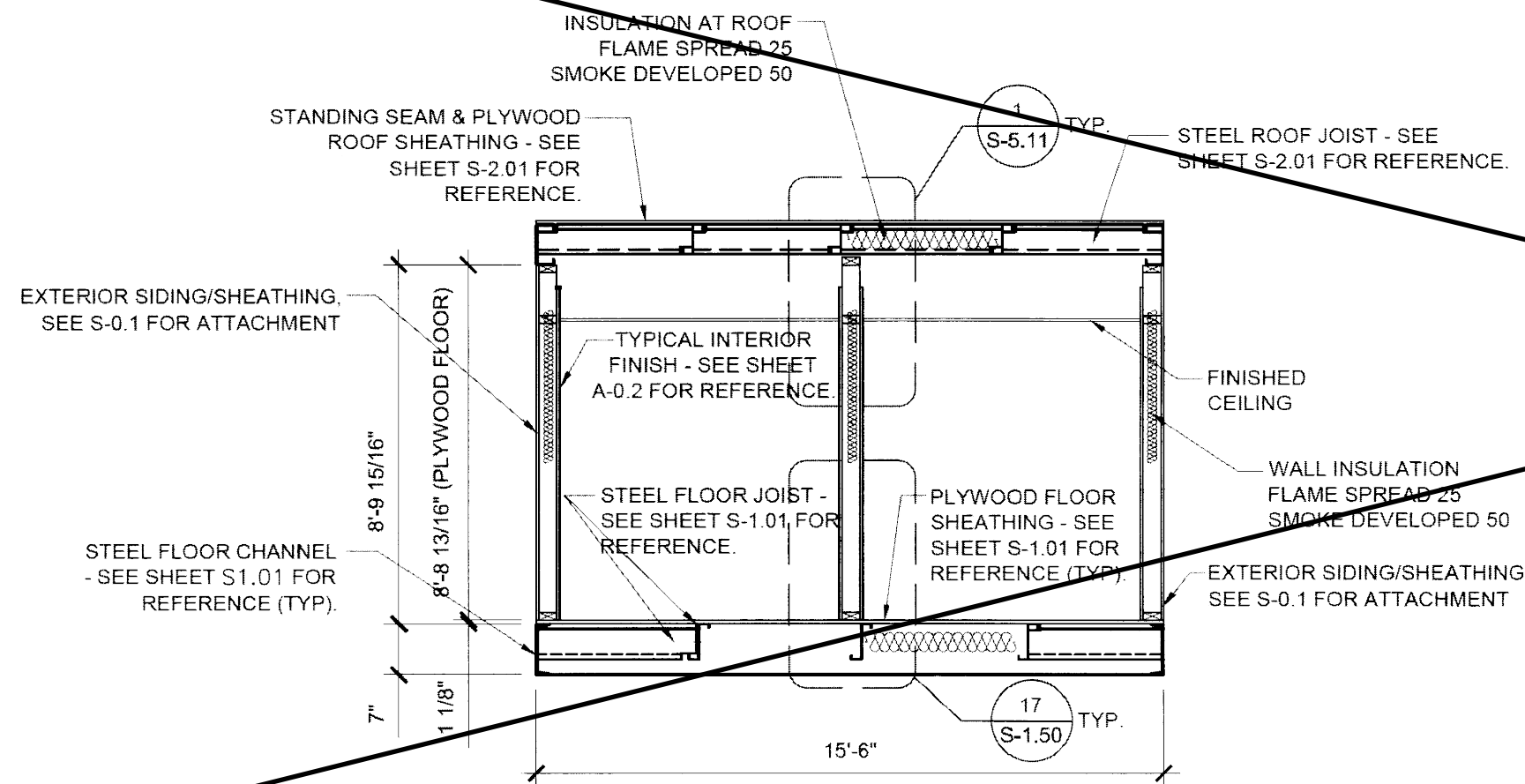
DRAWN BY: FIL CARRILLO

SCALE: AS NOTED

DATE: 02/04/2015

P.C. SHEET NUMBER

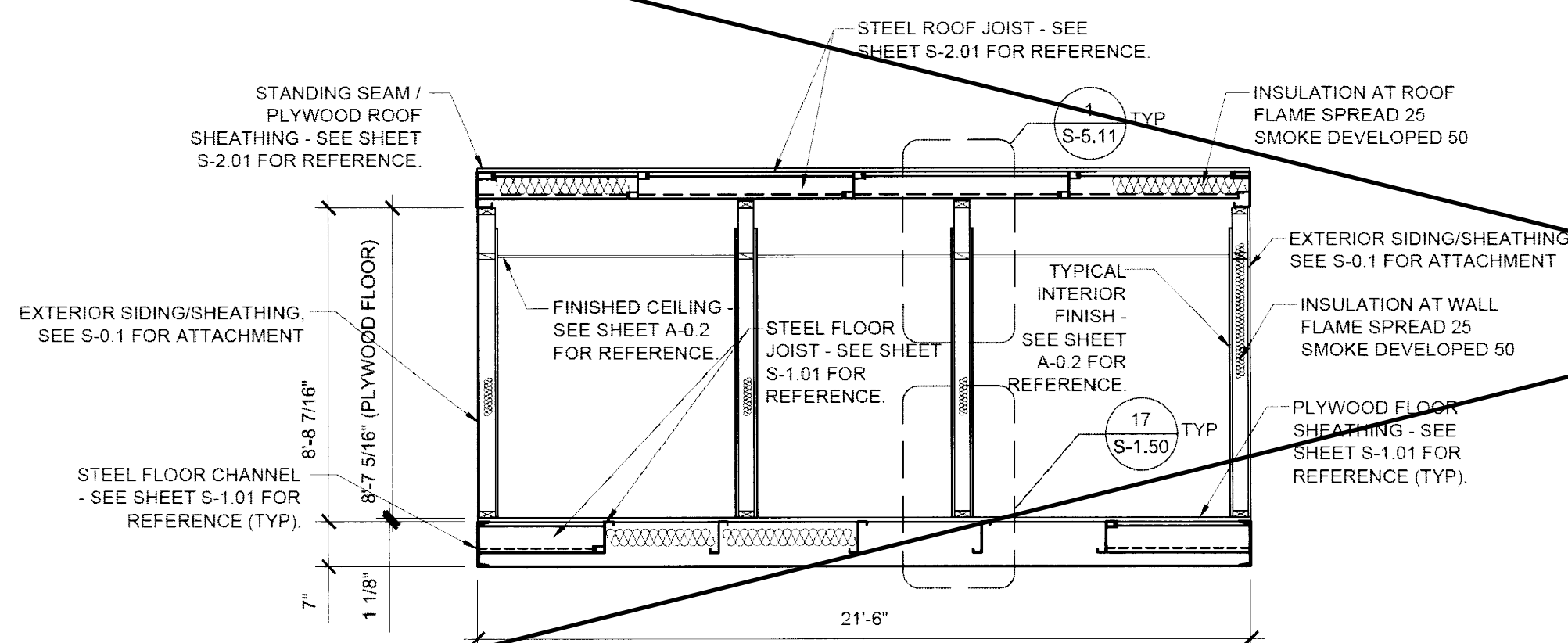
**A-.5.01**



SIDEWALL BUILDING SECTIONS (8'-6"x15'-6")

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

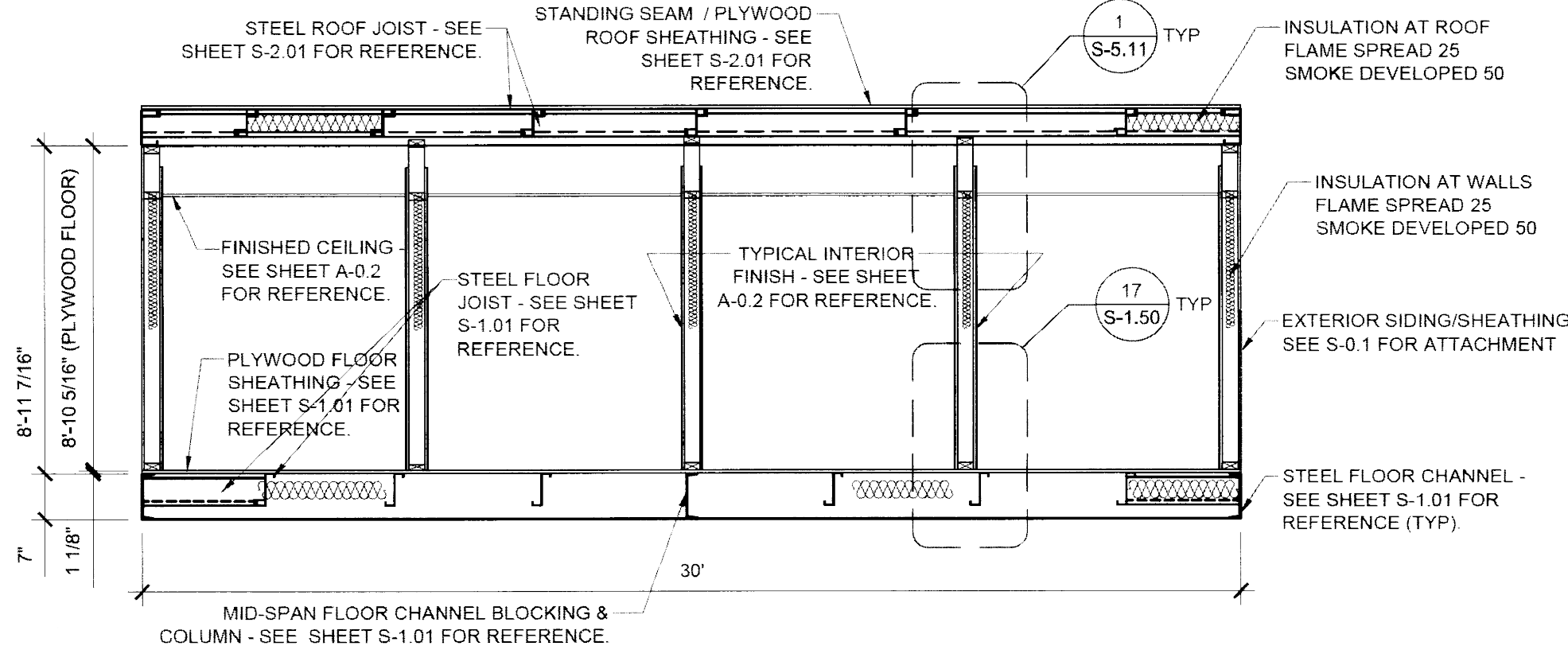
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SIDEWALL BUILDING SECTIONS (8'-6"x21'-6")

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

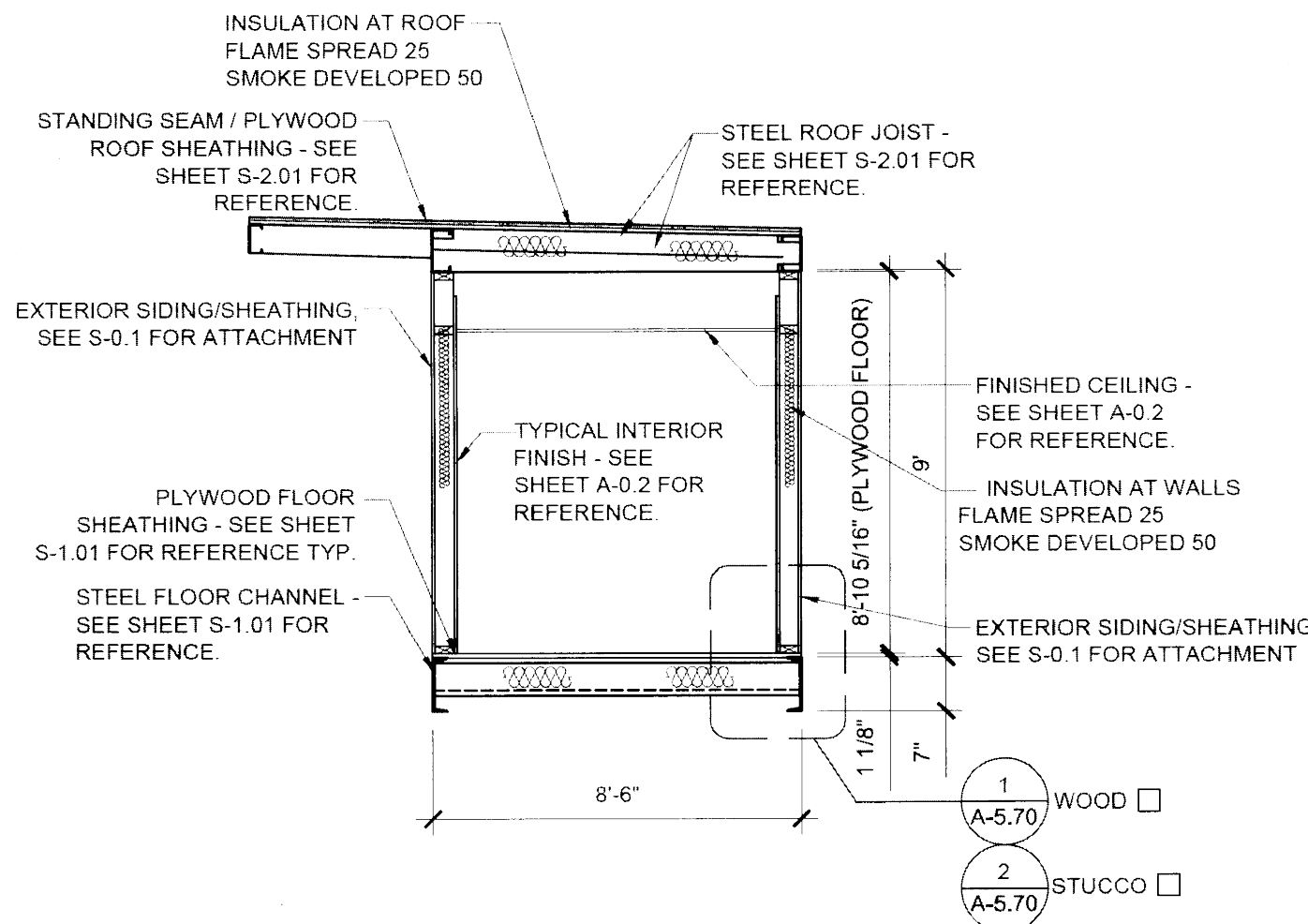
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SIDEWALL BUILDING SECTIONS (8'-6"x30'-0")

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

3

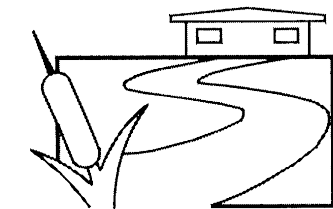




NOT USED	16	NOT USED	11	EXTERIOR DOOR HEADER	SCALE : 3\"/>	6
NOT USED	17	NOT USED	12	EXTERIOR DOOR JAMB	SCALE : 3\"/>	7
NOT USED	18	NOT USED	13	EXTERIOR DOOR JAMB	SCALE : 3\"/>	8
NOT USED	19	NOT USED	14	INTERIOR DOOR JAMB	SCALE : 3\"/>	9
NOT USED	20	NOT USED	15	INTERIOR DOOR JAMBS	SCALE : 3\"/>	10
				TOP PLATE AT ROOF HEADER	SCALE : 3\"/>	5

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SILVER CREEK INDUSTRIES, INC.



"BUILDING FOR THE NEXT GENERATION"

SILVER CREEK

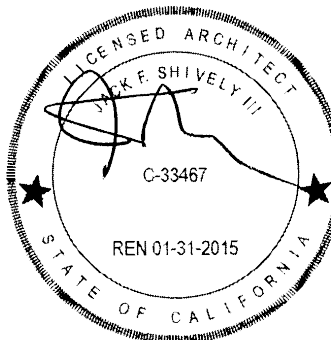
2830 BARRETT AVE. PERRIS, CALIFORNIA 92571  
PHONE: 951-943-5393 FAX: 951-943-2211

PROJECT NAME:

HUNEME ELEMENTARY  
8'-6" x 30'-0"  
TOILET BUILDING

SHEET TITLE:

ARCHITECTURAL  
DETAILS  
WOOD STUD - SHTG



ARCHITECT OF RECORD

PROJECT SPECIFIC STATE AGENCY APPROVAL

FIRE-CHECK (PJ) DOCUMENT CODE 2013 SBC A SEPARATE DOCUMENTATION FOR CONSTRUCTION IS REQUIRED	IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT OFFICE OF REGULATION SERVICES PC 04-114148 AC: _____ FLS: _____ SS: <b>RAE</b> DATE: <b>JUL 16 2015</b>

REVISIONS

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8'-6" RESTROOM PC (HIGH SEISMIC)

PROJECT NO:

DRAWN BY: FIL CARRILLO

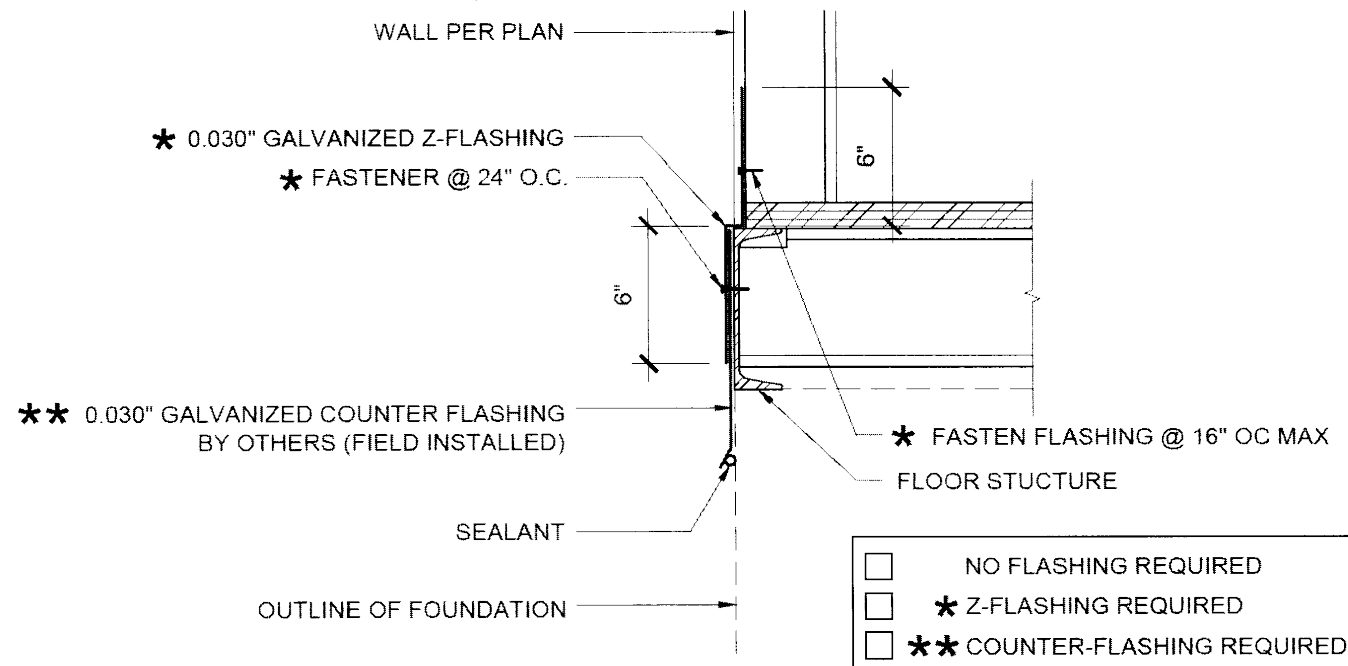
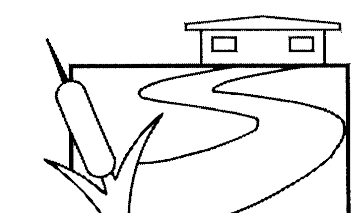
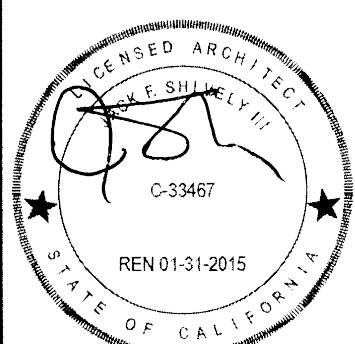
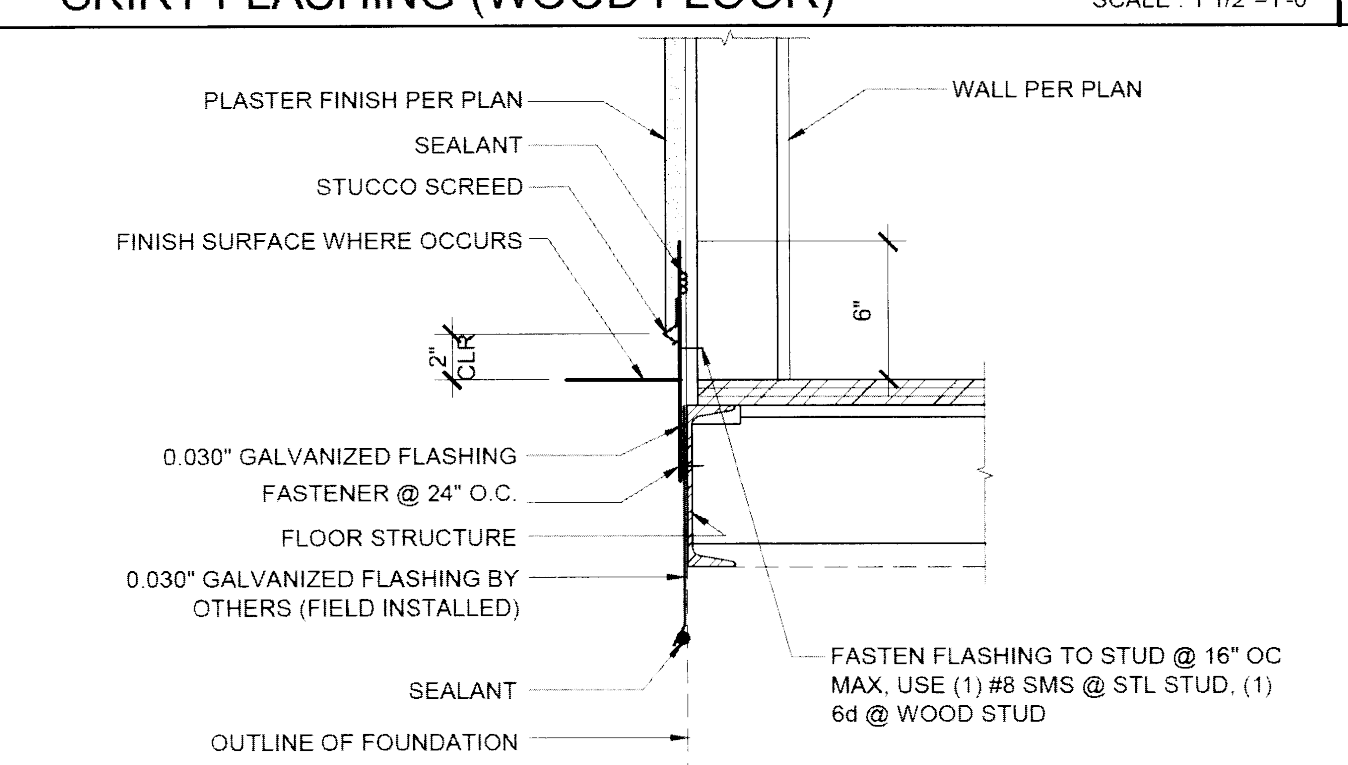
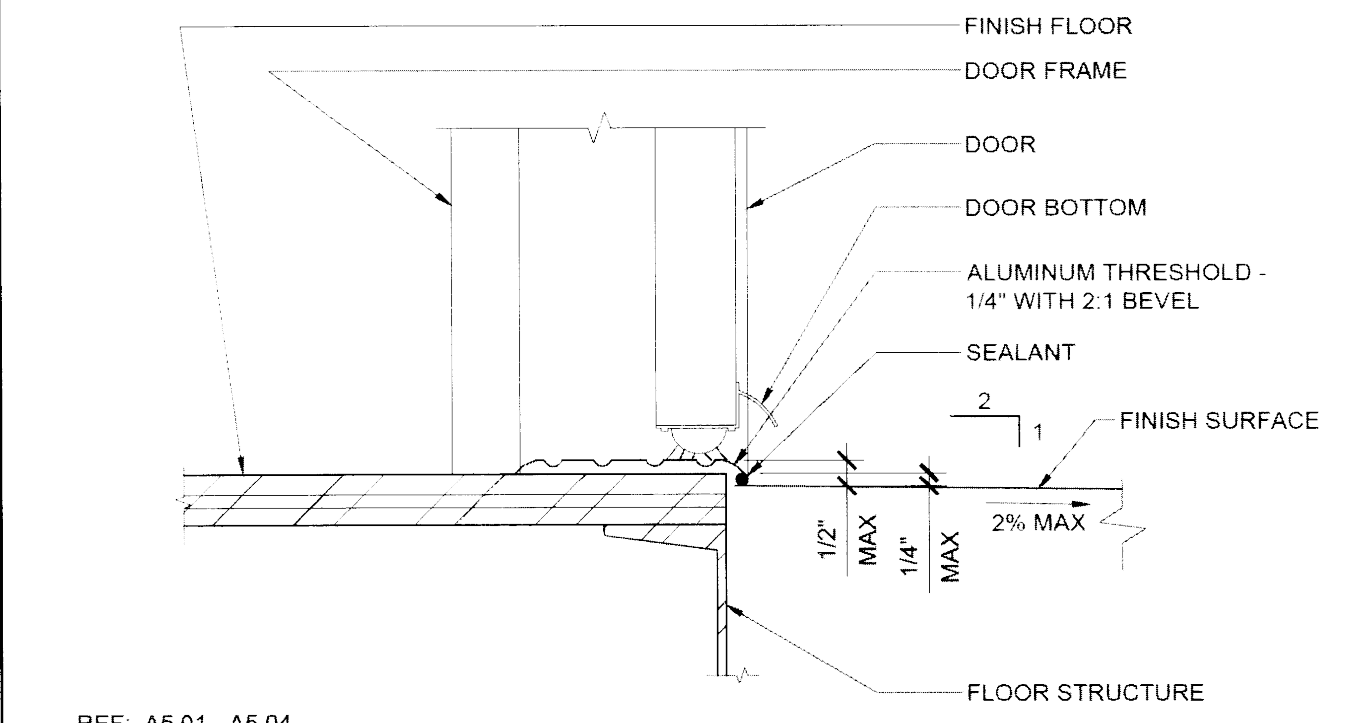
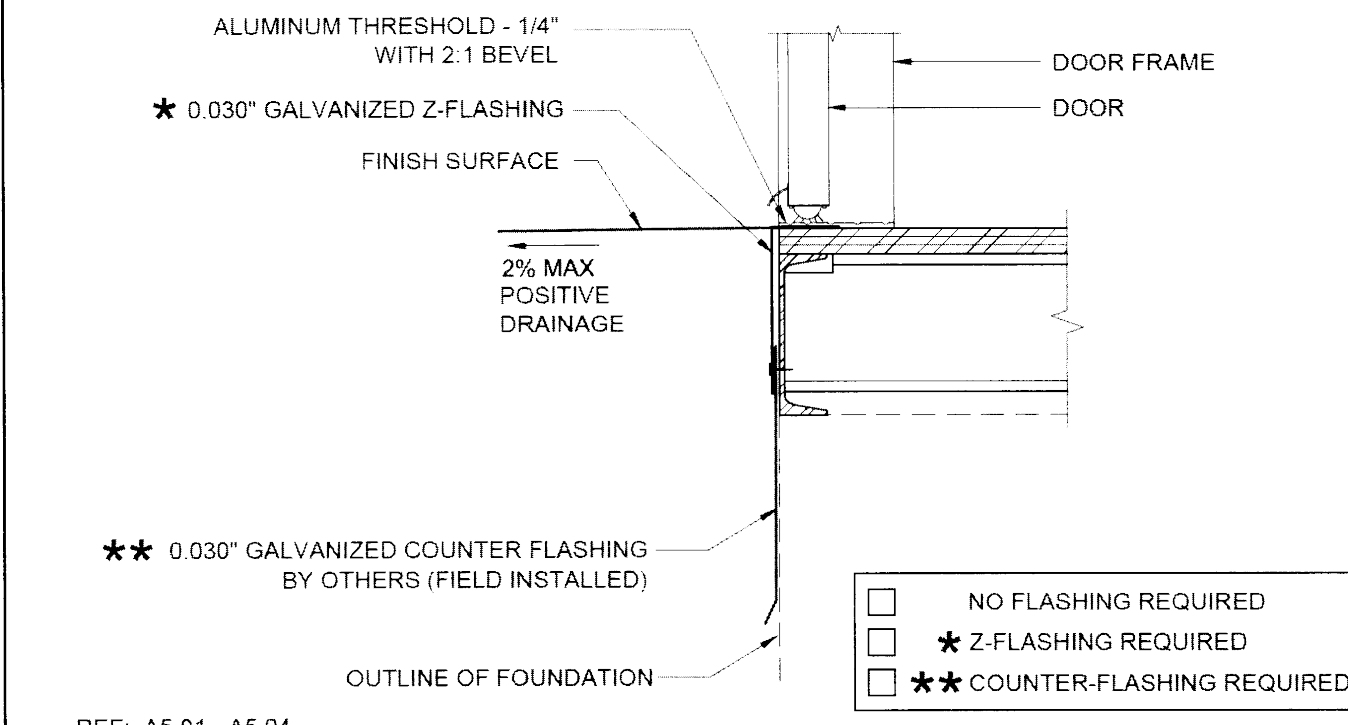
SCALE: AS NOTED

DATE: 02/04/2015

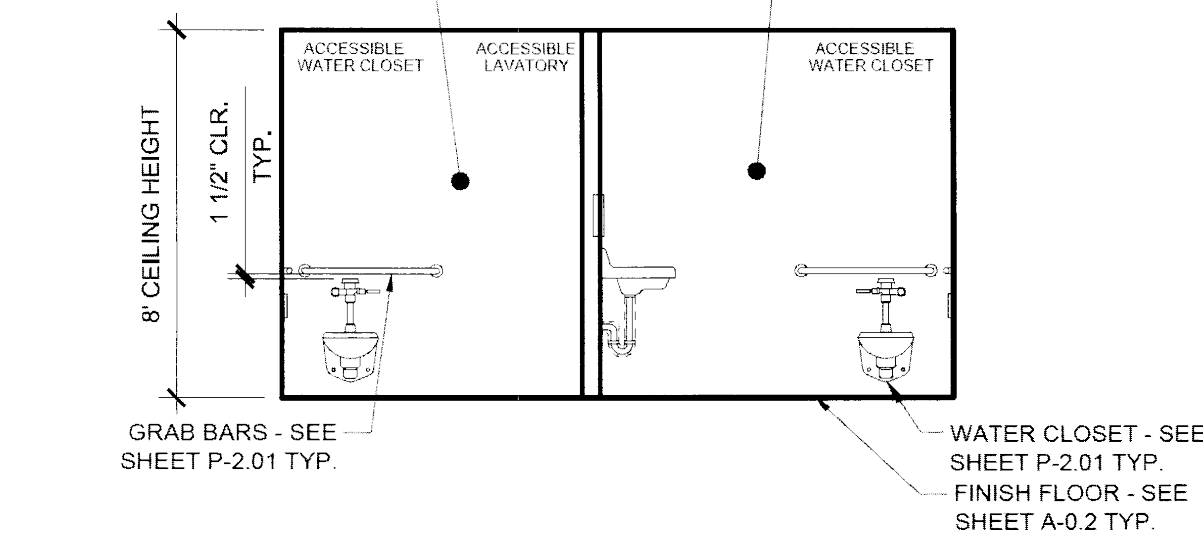
P.C. SHEET NUMBER

A-5.50

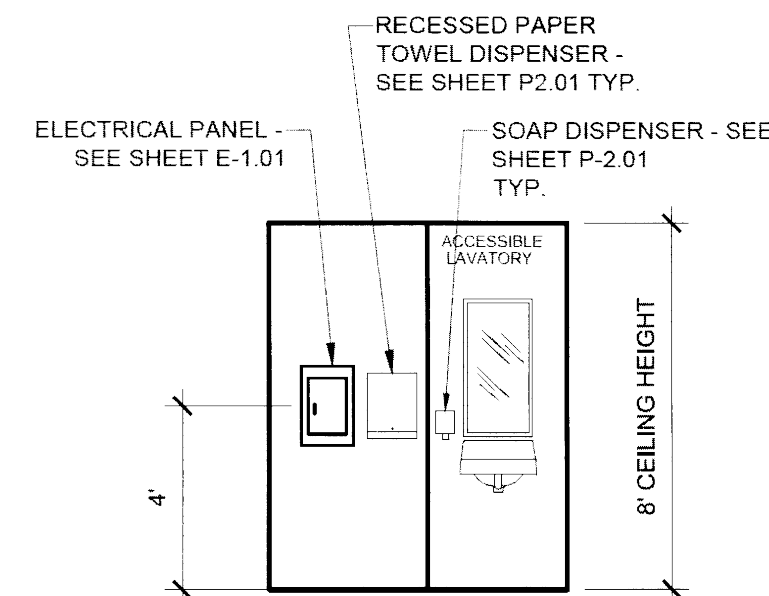


						 <p>REF: A5.01 - A5.05</p>	SKIRT FLASHING (WOOD FLOOR)	SCALE : 1 1/2"=1'-0"	1	<p>THESE DRAWINGS AND ALL MATERIAL CONTAINED HEREIN ARE THE PROPERTY OF SILVERCREEK INDUSTRIES, INC (SCI Inc) AND SHALL NOT BE REPRODUCED, COPIED OR OTHERWISE DISPOSED OF DIRECTLY OR INDIRECTLY AND SHALL NOT BE USED IN WHOLE OR IN PART TO ASSIST IN THE MAKING OF OR FOR THE PURPOSE OF FURNISHING ANY INFORMATION FOR THE MAKING OF DRAWINGS, PRINTS, APPARATUS OR PARTS THEREOF WITHOUT THE FULL KNOWLEDGE AND WRITTEN CONSENT OF SCI Inc.</p> <p>ALL PATENTABLE MATERIAL CONTAINED HEREIN AND ORIGINATING WITH SCI Inc SHALL BE THE PROPERTY OF SCI Inc</p> <p>SILVER CREEK INDUSTRIES, INC.</p>  <p>"BUILDING FOR THE NEXT GENERATION"</p> <p><b>SILVER CREEK</b></p> <p>2830 BARRETT AVE, PERRIS, CALIFORNIA 92571 PHONE: 951-943-5393 FAX: 951-943-2211</p> <p>PROJECT NAME:</p> <p><b>HUNEME ELEMENTARY</b> <b>8'-6" x 30'-0"</b> <b>TOILET BUILDING</b></p> <p>SHEET TITLE:</p> <p><b>ARCHITECTURAL</b> <b>DETAILS</b> <b>FLOOR</b></p>  <p>ARCHITECT OF RECORD</p> <p>PROJECT SPECIFIC STATE AGENCY APPROVAL</p> <div data-bbox="2652 1361 2905 1502"><p>PRE CHECK FOR DOCUMENT FOR CONSTRUCTION IS REQUIRED</p><p>IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT OFFICE OF REGULATION SERVICES</p><p>PC 04-114148</p><p>DATE: JUL 16 2015</p></div> <p>REVISIONS</p> <table border="1"><tr><td>1</td><td></td></tr><tr><td>2</td><td></td></tr><tr><td>3</td><td></td></tr><tr><td>4</td><td></td></tr><tr><td>5</td><td></td></tr><tr><td>6</td><td></td></tr><tr><td>7</td><td></td></tr><tr><td>8</td><td></td></tr></table> <p>8'-6" RESTROOM PC (HIGH SEISMIC)</p> <p>PROJECT NO:</p> <p>DRAWN BY: FIL CARRILLO</p> <p>SCALE: AS NOTED</p> <p>DATE: 02/04/2015</p> <p>P.C. SHEET NUMBER</p> <p><b>A-5.70</b></p>	1		2		3		4		5		6		7		8	
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8																										
NOT USED	16	NOT USED	11	NOT USED	6																					
						 <p>REF: A5.01 - A5.05</p>	SKIRT FLASHING (WOOD FLOOR)	SCALE : 1 1/2"=1'-0"	2																	
NOT USED	17	NOT USED	12	NOT USED	7																					
NOT USED	18	NOT USED	13	NOT USED	8	NOT USED			3																	
						 <p>REF: A5.01 - A5.04</p>	THRESHOLD	SCALE : 3"=1'-0"	4																	
NOT USED	19	NOT USED	14	NOT USED	9																					
						 <p>REF: A5.01 - A5.04</p>	TYPICAL SILL AT FLOOR (WOOD FLOOR)	SCALE : 1 1/2"=1'-0"	5																	
NOT USED	20	NOT USED	15	NOT USED	10																					

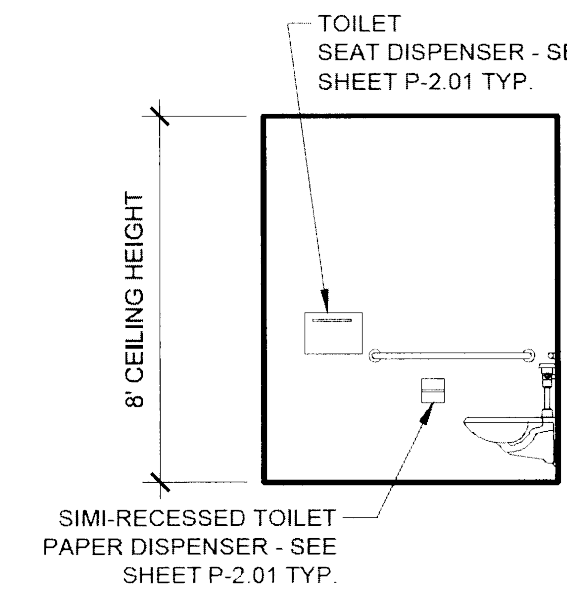
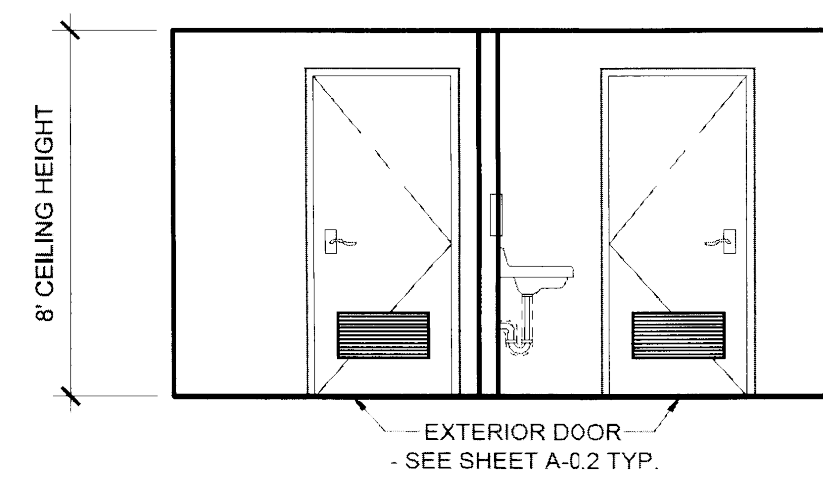




ELEVATION "2"  
MEN/WOMEN



ELEVATION "4"  
MEN/WOMEN



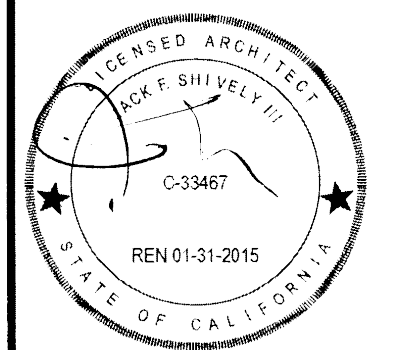
NOTE:  
1/2" x 2" PLYWOOD FILLER @  
BOTTOM EDGE OF FRP TYP.

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HUNEME ELEMENTARY  
8'-6" x 30'-0"  
TOILET BUILDING

## INTERIOR ELEVATIONS



PROJECT SPECIFIC STATE AGENCY APPROVAL

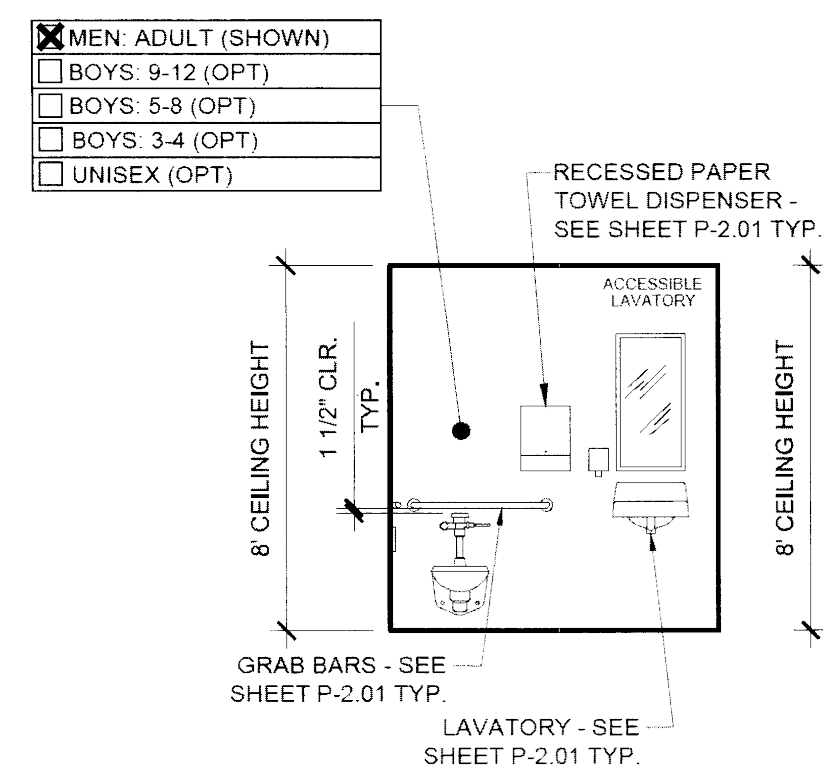
PRE-CHECK (PC) DOCUMENT  
CODE: 2013 CBC  
A SEPARATE PROJECT APPLICATION  
FOR CONSTRUCTION IS REQUIRED

A vertical ladder with eight rungs. Each rung consists of a horizontal bar with a triangle in the center. The triangles contain the numbers 1 through 8, respectively, from top to bottom.

DATE: 02/04/2015

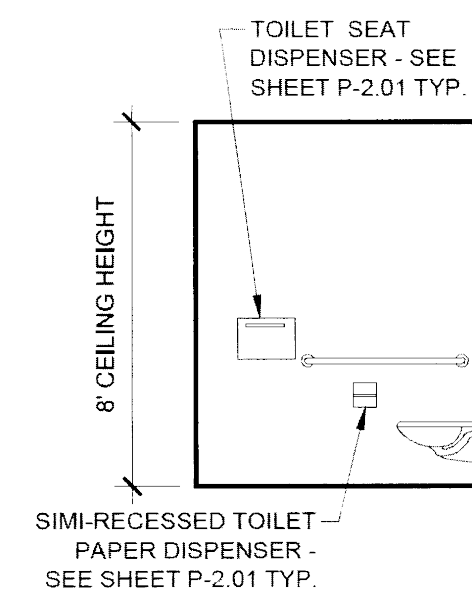
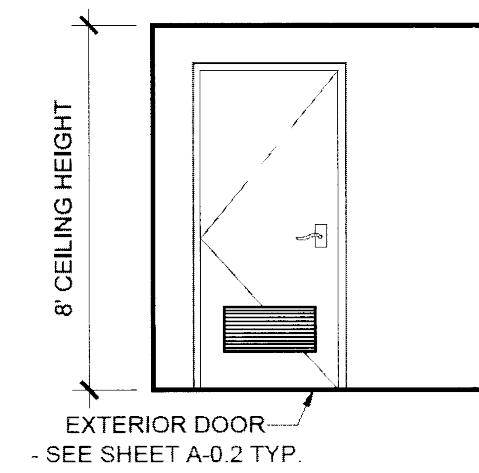
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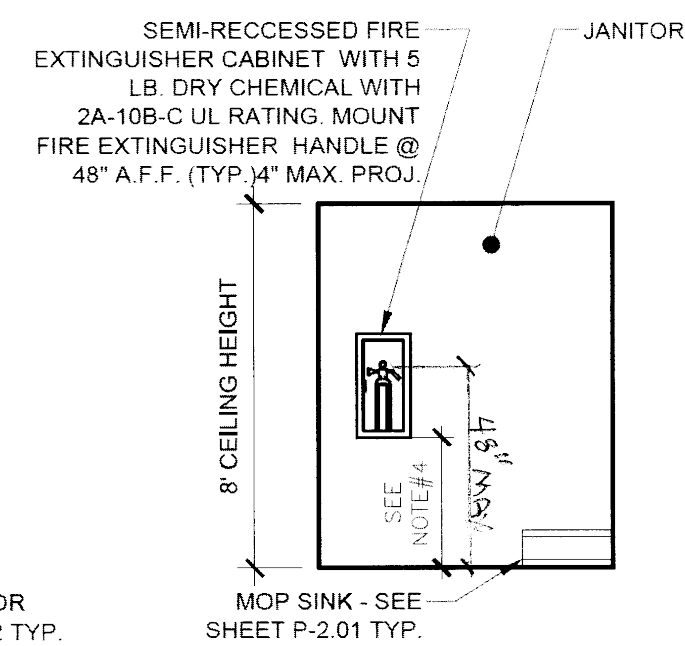
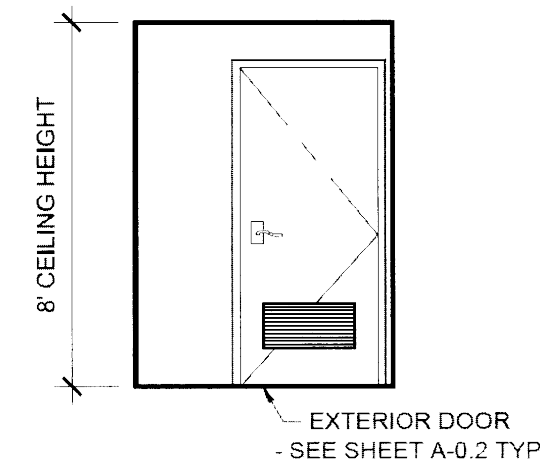
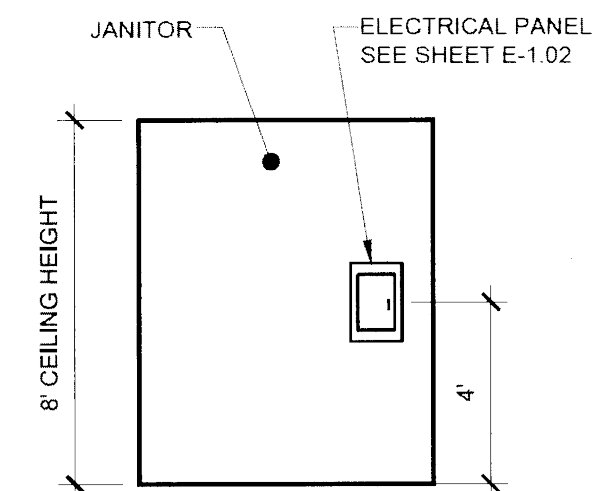
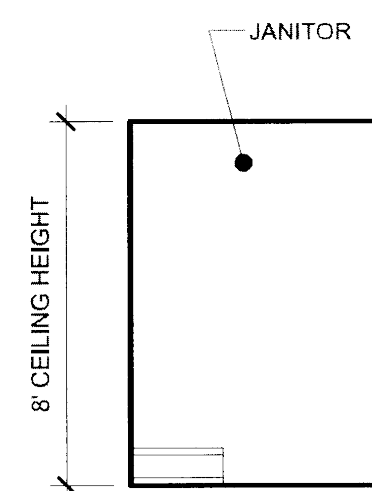


ELEV. "4"

OPPOSITE HAND ON WOMEN RESTROOM



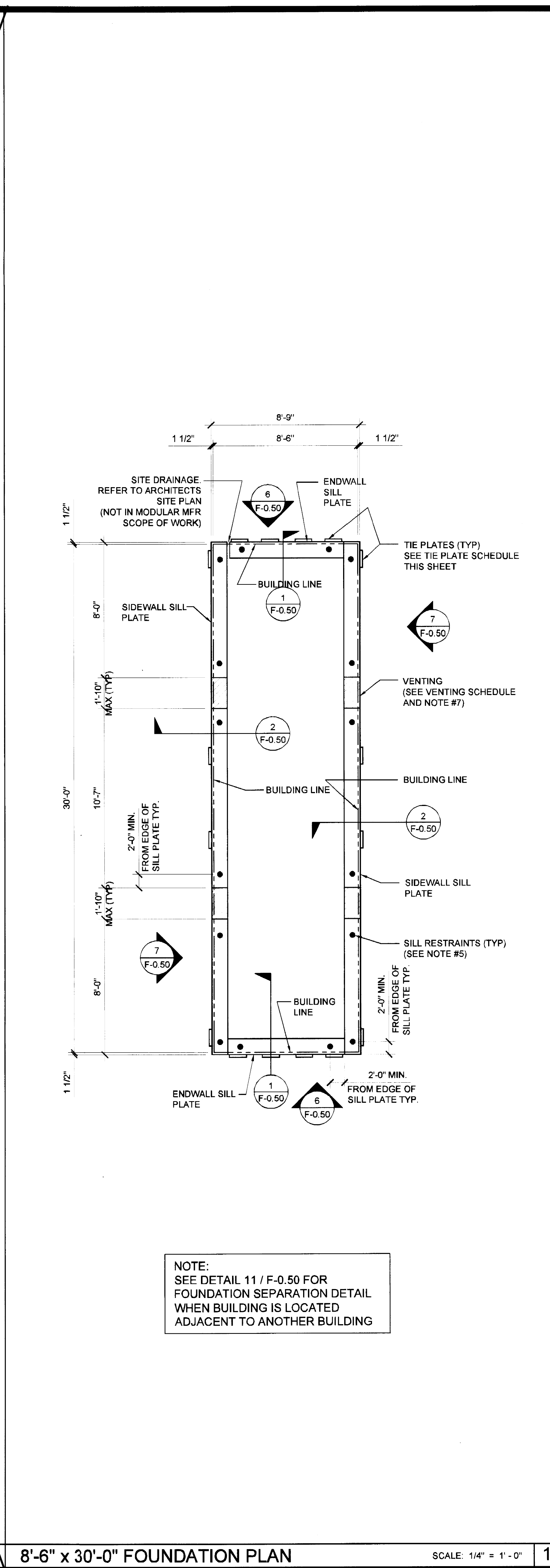
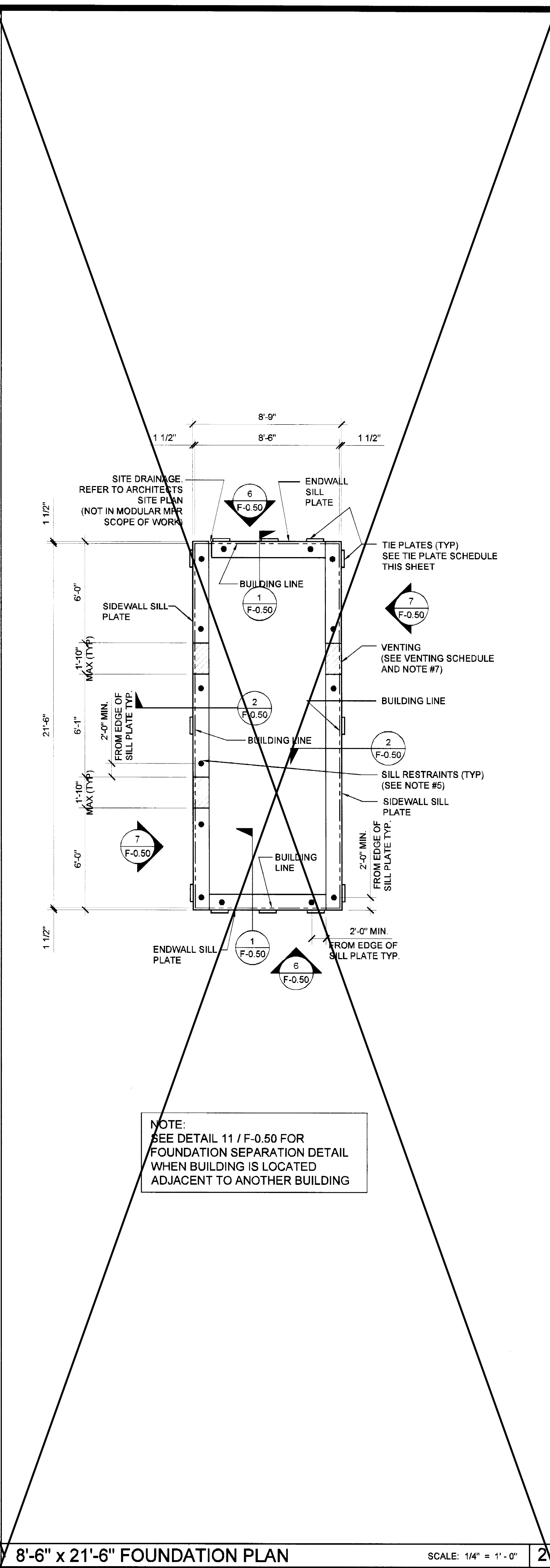
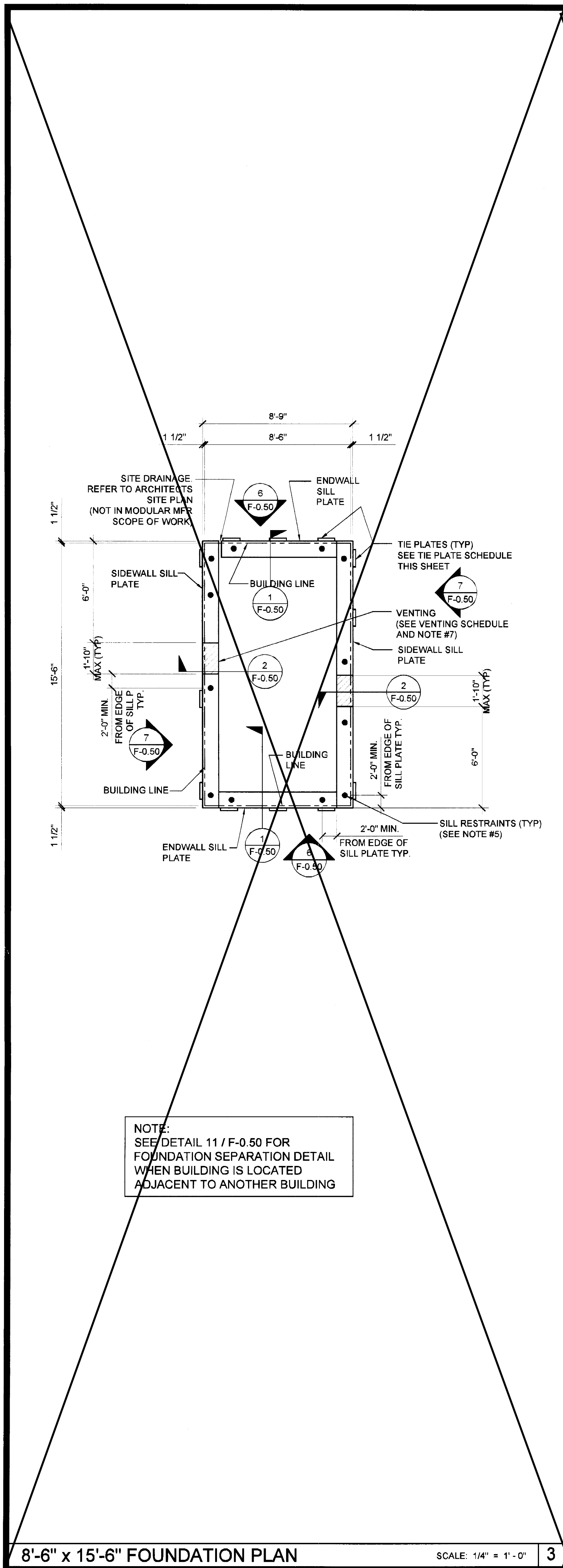
ELEV. "8"



2

3





WOOD FOUNDATION PLATE SCHEDULE			
50 PSF			
PLATES	END WALL	SIDE WALL	
ADDITIONAL (AS NEEDED)	2x4	2x4	
TOP	2x6	2x6	
BLOCK	2x8	2x8	
SILL	2x10	2x10	
SEE NOTE #10			
FOUNDATION PLATE DESCRIPTION			
NOTES			
1. BUILDINGS OVER 2160 SF, MUST BE INSTALLED ON A PERMANENT CONCRETE FOUNDATION PER IR 16-1 ITEM 5.			
2. FOUNDATION PLAN HAS A 1/4" ADDED AT EACH MODULE LINE AND DOES NOT MATCH THE FLOOR PLAN. ADDITIONAL LENGTH ADDED FOR GROWTH THAT IS EXPERIENCED WHEN SETTING MULTIPLE MODULAR FLOORS.			
3. FOUNDATION VENTS THAT OCCUR UNDER RAMP LANDINGS, PROVIDE AN EQUAL AREA OF SCREENED VENT IN LANDING SKIRT.			
4. WOOD SILL (FOOTING) PLATES SHALL BE PRESSURE TREATED HEM-FIR AND MAY BEAR DIRECTLY ON SOIL OR PAVED SURFACE. GRASS OR TURF SHALL BE CLEARED TO BARE SOIL UNDER THE ENTIRE AREA OF THE BUILDING BY OTHERS. THE WOOD SILL FOOTING PLATE MAY SUPPORT CONTINUOUS BLOCKING AND SHEATHING SKIRT WHICH NEED NOT BE TREATED.			
5. SILL RESTRAINT: THE FOUNDATION SHALL BE DESIGNED TO PREVENT SLIDING ON THE SUPPORTING SURFACE BY ATTACHING THE WOOD FOUNDATION PLATES FOR THE BUILDING, RAMPS AND STAIRS TO THE GROUND WITH RESTRAINING DEVICES. AN ACCEPTABLE DESIGN WOULD INCORPORATE ONE-INCH DIAMETER STANDARD WEIGHT (1.315" ACTUAL O.D.) HOT DIPPED GALVANIZED PIPES OR ONE-INCH DIAMETER SOLID STEEL RODS SPACED AT NOT MORE THAN 10'-0" O.C. ONE PIPE / ROD SHALL BE LOCATED A MAXIMUM OF TWO FEET FROM EACH CORNER IN BOTH DIRECTIONS AND A MINIMUM OF TWO PIPES / RODS PER DISCONTINUOUS FOUNDATIONS STRIP. PIPES SHOULD PENETRATE INTO SOIL, CONCRETE, AND/OR PAVING A MINIMUM OF 12" MEASURED VERTICALLY. ALTERNATE OR EQUIVALENT DESIGNS, WHEN PROVIDED WITH STRUCTURAL CALCULATIONS AND DETAILS, WILL BE SUBMITTED TO DSA FOR REVIEW AND APPROVAL.			
6. STACKED WOOD MEMBERS FOR FOUNDATIONS AND PRESSURE TREATED LUMBER SHALL BE NAILED WITH HOT DIPPED GALVANIZED PER ASTM A-153.			
7. VENTILATION OPENINGS SHALL BE COVERED FOR EITHER HEIGHT AND WIDTH WITH CORROSION - RESISTANT WIRE MESH, WITH A CLEAR "THROUGH" DIMENSION NOT EXCEEDING 1/8" ACTING AS A VERMIN BARRIER.			
8. VENTING CALCULATION REQUIREMENTS FOR MULTIPLE BUILDING SETS MUST BE CALCULATED WITH OVERALL SQUARE FOOTAGE INCLUDING SEPARATION.			
9. FOR FOUNDATION ANCHORAGE ON CONCRETE PAD, SEE DETAIL 15/F-0.50.			
10. IF OPTIONAL ENDWALL VENTS ARE APPLIED, SILL PLATE AND BLOCK PLATE MUST BE CONTINUOUS. VENT OPENINGS SHALL BE BROKEN ABOVE THE BLOCK PLATE.			
11. FOR FOUNDATION SPLICE - SEE 5/F-0.50.			
12. CRAWLSPACE VAPOR RETARDERS (OPTIONAL): THE OPTIONAL TOTAL AREA OF VENTILATION OPENINGS IS PERMITTED TO BE REDUCED TO 1/1500 FACTOR WITH AN APPROVED VAPOR RETARDER MATERIAL PER CBC SECTION 1203.3.2(2). MATERIALS: GROUND SURFACE COVERED WITH AN APPROVED VAPOR RETARDER MATERIAL; MUST HAVE A PERM RATING OF ONE OR LESS, SHOULD BE CONTINUOUS; POLYETHYLENE FILM (≥ 6 MIL); POOL LINER (PUNCTURE RESISTANT); AND POLYETHYLENE FILM WITH RAT SLAB INSTALLATION RECOMMENDATIONS: OVERLAP JOINTS BY 6 INCHES; TAPE OR SEAL ALL JOINTS; ATTACH VAPOR RETARDER OVER SILL PLATE PER 10/F-0.50; SEAL TO ALL PIERS AND OTHER PENETRATIONS.			
13. ENDWALL VENTS (IF REQ'D) SHALL BE LOCATED A MIN OF 24" FROM BUILDING CORNERS. MAXIMUM ONE ENDWALL VENT PER 12'-0" MODULE.			
14. CONCRETE FLOOR LOAD IS INCLUDED IN THE CONCRETE FOUNDATION OPTION FOR FOUNDATION & ANCHORAGE DESIGN, I.E. THERE IS NO CONCRETE FLOOR FOR WOOD FOUNDATION OPTION. THERE IS CONCRETE FLOOR FOR CONCRETE FOUNDATION OPTION.			
15. VENTS AT MODLINE FOUNDATIONS. THE MINIMUM CRITERIA REQUIREMENT AS FOLLOWS: A. VENTS HAVE A MINIMUM OF 2 SILL / BLOCKING PLATES BENEATH. B. VENTS ARE A MAXIMUM OF 6" LONG x 3" MIN. HIGH. C. VENTS ARE SPACED A MINIMUM OF 8" APART (EDGE TO EDGE) AND 24" MIN. FROM CORNERS.			
16. SILL PLATES SHALL NOT BE SPLICED UNDER VENT, OR WITHIN 24" OF EDGE OF VENT OPENINGS, OR WITHIN 24" OF SPLICE OF ADJACENT MEMBERS. SEE 5, 6 & 7 / F-0.50.			
NAILING SCHEDULE			
(2) 16d BOX NAILS			
BUILDING SIZE	PLATE TO PLATE ATTACHMENT BELOW UPPER MOST PLATE		
8'-6" x 15'-6"	8" OC AT ENDWALL - 1 / F-0.50	12" OC AT SIDEWALL - 2 / F-0.50	
8'-6" x 21'-6"	8" OC AT ENDWALL - 1 / F-0.50	12" OC AT SIDEWALL - 2 / F-0.50	
8'-6" x 30'-0"	4" OC AT ENDWALL - 1 / F-0.50	12" OC AT SIDEWALL - 2 / F-0.50	
VENTING SCHEDULE			
BUILDING SIZE	BUILDING AREA	REQUIRED VENTING	SIDE VENTING
8'-6" x 15'-6"	131.75 SF	0.88 SF (1/150)	22" x 3" = (2) 0.45 SF/E.A.
8'-6" x 21'-6"	182.75 SF	1.22 SF (1/150)	22" x 3" = (3) 0.45 SF/E.A.
8'-6" x 30'-0"	255 SF	1.70 SF (1/150)	22" x 3" = (4) 0.45 SF/E.A.
TIE PLATE SCHEDULE (14 / F-0.50)			
BUILDING SIZE	SIDE WALL TIE PLATES	END WALL TIE PLATES	TOTAL NUMBER OF TIE PLATES
8'-6" x 15'-6"	0	0	0
8'-6" x 21'-6"	0	0	0
8'-6" x 30'-0"	4	4	16

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SILVER CREEK INDUSTRIES, INC.

"BUILDING FOR THE NEXT GENERATION"

SILVER CREEK

2830 BARRETT AVE. PERRIS, CALIFORNIA 92571  
PHONE: 951-943-5393 FAX: 951-943-2211

PROJECT NAME:

HUNEME ELEMENTARY  
8'-6" x 30'-0"  
TOILET BUILDING

SHEET TITLE:

WOOD FOUNDATION PLAN

TAVARES ASSOCIATES

ARCHITECT OF RECORD

PROJECT SPECIFIC STATE AGENCY APPROVAL

ORIGINAL PC STATE AGENCY APPROVAL

IDENTIFICATION STAMP  
DIV. OF THE STATE ARCHITECT  
OFFICE OF REGULATION SERVICES  
PC 04-114148  
DATE: JUL 16 2015

REVISIONS

8'-6" RESTROOM PC (HIGH SEISMIC)

PROJECT NO.

DRAWN BY: FIL CARRILLO

SCALE: AS NOTED

DATE: 02/04/2015

P.C. SHEET NUMBER

F-0.01

-- HIGH SEISMIC --



			<p>REF: F0.01</p>	<p>REF: F0.01</p>
NOT USED	16	NOT USED	11	6
		<p>SCALE: NTS</p>	<p>REF: F0.01</p>	<p>REF: F0.01</p>
NOT USED	17	FOUNDATION CORNER	12	7
		<p>REF: F0.01</p>	NOT USED	8
NOT USED	18			3
		<p>REF: F0.01</p>	NOT USED	9
NOT USED	19	TIE PLATE	14	4
		<p>REF: F0.01</p>	<p>REF: F0.01</p>	<p>REF: F0.01</p>
NOT USED	20	FOUNDATION ANCHORAGE AT CONCRETE PAD	15	10
				5

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8'-6" x 30'-0"  
TOILET BUILDING

SHEET TITLE:

**FOUNDATION DETAILS**  
WOOD

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REVISIONS

8'-6" RESTROOM PC (HIGH SEISMIC)

PROJECT NO:

DRAWN BY: FIL CARRILLO

SCALE: AS NOTED

DATE: 02/04/2015

P.C. SHEET NUMBER

**F-0.50**

-- HIGH SEISMIC --



STRUCTURAL SPECIFICATIONS

<p><b>FOUNDATIONS:</b></p> <p>GEOTECHNICAL INVESTIGATIONS SHALL BE CONDUCTED IN ACCORDANCE WITH SECTIONS 1803A.3 THROUGH 1803A.8. EXCEPTIONS: 1) GEOTECHNICAL REPORTS ARE NOT REQUIRED FOR ONE-STORY, WOOD-FRAME AND LIGHT-STEEL-FRAME BUILDINGS OF TYPE II OR TYPE V CONSTRUCTION AND 4,000 SQUARE FEET OR LESS IN FLOOR AREA, NOT LOCATED WITHIN EARTHQUAKE FAULT ZONES OR SEISMIC HAZARD ZONES AS SHOWN IN THE MOST RECENTLY PUBLISHED MAPS FROM THE CALIFORNIA GEOLOGICAL SURVEY (CGS) OR IN SEISMIC HAZARD ZONES AS DEFINED IN THE SAFETY ELEMENT OF THE LOCAL GENERAL PLAN; 2) A PREVIOUS REPORT FOR A SPECIFIC SITE MAY BE RESUBMITTED, PROVIDED THAT A REEVALUATION IS MADE AND THE REPORT IS FOUND TO BE CURRENTLY APPROPRIATE; ALLOWABLE FOUNDATION AND LATERAL SOIL PRESSURE VALUES MAY BE DETERMINED FROM TABLE 1806A.2 PER CBC SECTION 1803A.2</p> <p><b>CONCRETE</b></p> <p>PROVIDE NECESSARY SHIMS ON FOOTINGS NOT LEVEL WITHIN THE 1/2" ALLOWABLE TOLERANCE. THE DISTRICT SHALL PROVIDE CLEAR AND UNOBSTRUCTED ACCESS TO THE SITE. THE DISTRICT IS RESPONSIBLE FOR ALL SURVEYING, STAKING THE BUILDING CORNERS, SETTING THE FINISH FLOOR ELEVATION, RIGGING, CRANING, EXCAVATION, SPOIL REMOVAL, AND BACKFILL.</p> <p>THE FOUNDATION AND THE METHOD OF FASTENING THE UNITS SHALL BE AS SHOWN ON DRAWINGS WHERE APPLICABLE. HIGH-STRENGTH GROUT SHALL BE EMBECO 885 NON-SHRINK METALLIC AGGREGATE GROUT OR A DSA APPROVED EQUAL.</p> <p>THE DESIGN OF CONCRETE FOUNDATIONS WILL BE AS FOLLOWS:</p> <ol style="list-style-type: none"><li>FURNISH AND INSTALL ALL CONCRETE WORK AS SHOWN ON THE DRAWINGS AND AS SPECIFIED.</li><li>EXCEPT AS MODIFIED BY THE REQUIREMENTS SPECIFIED HEREIN AND / OR THE DETAILS ON THE DRAWINGS, ALL WORK INCLUDED IN THIS SECTION SHALL CONFORM TO THE APPLICABLE PROVISIONS OF CODES AND STANDARDS.<ol style="list-style-type: none"><li>ALL WORK AND MATERIALS SHALL CONFORM TO TITLE 24, CALIFORNIA CODE OF REGULATIONS, AND CHAPTER 19A.</li><li>AMERICAN CONCRETE INSTITUTE (ACI): BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE, ACI 318-11.</li><li>SOCIETY FOR TESTING AND MATERIALS (ASTM): THE SPECIFICATIONS AND STANDARDS HEREINAFTER REFERENCED TO SHALL BE OF THE LATEST EDITION.</li></ol></li><li>CONCRETE FOUNDATION TESTS AND INSPECTIONS SHALL BE THE RESPONSIBILITY OF THE ARCHITECT AND INSPECTOR.</li><li>DESIGN MIXES SHALL BE AS SPECIFIED IN TITLE 24. CONCRETE STRENGTH AT 28 DAYS SHALL BE AS FOLLOWS, (UNLESS REQUIRED OTHERWISE PER ACI 318-11 TABLE 4.3.1). CONCRETE COMPRESSIVE STRENGTH F'c= 3500 PSI WATER-CEMENT RATIO SHALL NOT EXCEED 0.60 BY WEIGHT PORTLAND CEMENT TYPE I NORMAL WEIGHT</li><li>FORMS SHALL BE SUBSTANTIAL, PLUMB, LEVEL, SQUARE, TRUE TO LINE, WATER TIGHT AND ACCURATE TO THE DIMENSIONS REQUIRED.</li><li>THE ARCHITECT SHALL APPROVE LOCATION OF:<ol style="list-style-type: none"><li>OPENINGS FOR MECHANICAL AND ELECTRICAL: PROVIDE FOR OPENINGS IN THE CONCRETE WITH THE TRADE(S) INVOLVED AND INSTALL SLEEVES AS MAY BE REQUIRED.</li><li>OPENINGS FOR VENT WELLS FOR UNDER FLOOR VENTILATION: PROVIDE FOR ALL OPENINGS IN THE CONCRETE WITH THE TRADE(S) INVOLVED. INSTALL ALL SLEEVES AS MAY BE REQUIRED.</li></ol></li><li>VARIANCE IN CONCRETE SLAB SURFACE SHALL BE NO MORE THAN 1/16" IN 10 FEET</li><li>ALL CEMENT SHALL BE TYPE I OR II PER ASTM C-150, (UNLESS REQUIRED OTHERWISE PER ACI 318-11 TABLE 4.3.1)</li><li>WATER CONTENT SHALL NOT EXCEED 7.14 GALLONS PER SACK OF CEMENT (UNLESS REQUIRED OTHERWISE PER ACI 318-11 TABLE 4.3.1)</li><li>AGGREGATE SHALL BE 3/4" TO 1 1/2" MAXIMUM SIZE BUT NOT MORE THAN 3/4" OF MINIMUM CLEAR BAR SPACING</li><li>ANCHOR BOLTS, DOWELS, REINFORCING STEEL, AND EMBEDDED ITEMS ARE TO BE SECURELY TIED IN PLACE BEFORE CONCRETE IS POURED. "WET SETTING" IS NOT ALLOWED</li><li>REFER TO ARCHITECTURAL, ELECTRICAL, AND MECHANICAL PLANS FOR SLEEVES, INSERTS, CURBS, DEPRESSED AREAS, AND ETC.</li><li>CONCRETE MIX REQUIRED: CONTRACTOR SHALL SUBMIT CONCRETE MIX DESIGN FOR FOOTINGS TO PROFESSIONAL OF RECORD FOR APPROVAL PRIOR TO POURING CONCRETE.</li></ol> <p><b>1705A.3.3. WAIVER OF BATCH PLAN INSPECTION.</b></p> <p>A. WHEN BATCH PLANT INSPECTION IS WAIVED, THE FOLLOWING REQUIREMENTS SHALL APPLY:</p> <ol style="list-style-type: none"><li>QUALIFIED TECHNICIAN OF THE TESTING LABORATORY SHALL CHECK THE FIRST BATCHING AT THE START OF DAY.</li><li>LICENSED WEIGHMASTER TO POSITIVELY IDENTIFY MATERIALS AS TO QUANTITY AND CERTIFY TO EACH LOAD BY A TICKET.</li><li>BATCH TICKETS, INCLUDING ACTUAL MATERIAL QUANTITIES AND WEIGHTS SHALL ACCOMPANY THE LOAD AND SHALL BE TRANSMITTED TO THE INSPECTOR OF RECORD BY A TRUCK DRIVER WITH LOAD IDENTIFIED THEREON. THE LOAD SHALL NOT BE PLACED WITHOUT A BATCH TICKET IDENTIFYING THE MIX. THE INSPECTOR WILL KEEP A DAILY RECORD OF PLACEMENTS, IDENTIFYING EACH TRUCK, ITS LOAD, TIME OF RECEIPT AND APPROXIMATE LOCATION OF DEPOSIT IN THE STRUCTURE AND WILL TRANSMIT A COPY OF THE DAILY RECORD TO THE ENFORCEMENT AGENCY.</li></ol> <p><b>REINFORCING STEEL:</b></p> <ol style="list-style-type: none"><li>MATERIAL: ALL REINFORCING STEEL SHALL BE BILLET STEEL PER ASTM A-615 MIN. GRADE 40. EXCEPT #3 ANCHOR REINFORCEMENT SHALL BE GRADE 60.</li><li>SPLICES: ALL SPLICES SHALL BE LAPPED A MINIMUM 48" #5 BARS AND 30" #4 BARS UNLESS OTHERWISE DETAILED.</li><li>REINFORCING FABRICATION AND PLACEMENT: FABRICATION AND PLACING OF REINFORCING SHALL CONFORM TO THE "CODE OF STANDARD PRACTICE AND SPECIFICATIONS FOR PLACING REINFORCEMENT OF THE CONCRETE REINFORCING STEEL INSTITUTE".</li><li>MINIMUM COVERAGE: ALL REINFORCING SHALL HAVE THE FOLLOWING MINIMUM COVERAGE WITH CONCRETE:</li></ol> <table><thead><tr><th>LOCATION</th><th>AMOUNT</th></tr></thead><tbody><tr><td>FORMED EARTH</td><td>2"</td></tr><tr><td>CONCRETE CAST AGAINST AND PERMANENTLY EXPOSED TO EARTH</td><td>3"</td></tr><tr><td>WALL-EXPOSED FACE</td><td></td></tr><tr><td>#6 OR SMALLER</td><td>2"</td></tr><tr><td>#6 OR LARGER</td><td>2"</td></tr><tr><td>WALL-UNEXPOSED FACE</td><td>3/4"</td></tr></tbody></table> <p><b>STRUCTURAL STEEL:</b></p> <ol style="list-style-type: none"><li>ALL STRUCTURAL STEEL OTHER THAN TUBE AND PIPE COLUMNS SHALL CONFORM TO ASTM A-36.</li><li>TUBE COLUMNS SHALL CONFORM TO ASTM A500 GRADE B, OR A1085</li><li>PIPE COLUMNS SHALL CONFORM TO ASTM A501 OR ASTM A53, TYPE E OR S, GRADE B, OR A1085</li><li>TUBE STEEL USED FOR RAMPS &amp; STAIRS SHALL CONFORM TO ASTM A513 GRADE MT1020 OR BETTER</li></ol> <p>STEEL FRAME BUILDING/STEEL FRAME CONSTRUCTION SHALL MEET THE MINIMUM DESIGN REQUIREMENTS OF STUD SPACING, ETC. PER LATEST EDITION OF 2013 CALIFORNIA BUILDING CODE. ALL WORK AND MATERIALS SHALL CONFORM TO THE "SPECIFICATION FOR THE DESIGN, FABRICATION, AND ERECTION OF STRUCTURAL STEEL FOR BUILDINGS" AND "CODE OF STANDARD PRACTICE FOR STEEL BUILDINGS AND BRIDGES." AMERICAN INSTITUTE OF STEEL CONSTRUCTION, TITLE 24, CCR, AND UNIFORM BUILDING CODE. STRUCTURAL STEEL SHALL BE MADE EITHER THE OPEN-HEARTH OR ELECTRIC FURNACE PROCESS ONLY AND SHALL CONFORM TO THE "SPECIFICATION FOR STRUCTURAL STEEL" ASTM DESIGNATION A36, CURRENT EDITION.</p> <p>ROOF FRAMING, FLOOR FRAMING, AND WALL FRAMING SHALL BE PER MANUFACTURER'S PC PLANS AND PER APPLICABLE CODES.</p> <p>ALL STRUCTURAL MEMBERS BELOW THE SUB-FLOOR, IE, GIRDERS, JOISTS, HEADERS, BLOCKING, SHALL BE STEEL. MINIMUM JOIST SPACING SHALL BE PER PLAN.</p> <p>ALL WORK SHALL CONFORM TO THE REQUIREMENTS OF THE AISC STANDARD SPECIFICATIONS, THE APPLICABLE REGULATORY AGENCY AND THE AMERICAN IRON AND STEEL INSTITUTE SPECIFICATIONS FOR DESIGN OR LIGHT GAUGE STEEL STRUCTURAL MEMBERS. WELDING SHALL COMPLY WITH THE PERTINENT PROVISIONS OF THE APPLICABLE REGULATORY AGENCY. ALL WELDING SHALL BE DONE BY OPERATORS WHO ARE QUALIFIED AS PRESCRIBED IN THE "QUALIFICATION PROCEDURE" OF THE AMERICAN WELDING SOCIETY TO PERFORM THE TYPE OF WORK REQUIRED.</p> <p>STEEL SHALL BE COATED WITH ONE SHOP COAT OF MANUFACTURER'S STANDARD CHASSIS PAINT OR EQUAL.</p>		LOCATION	AMOUNT	FORMED EARTH	2"	CONCRETE CAST AGAINST AND PERMANENTLY EXPOSED TO EARTH	3"	WALL-EXPOSED FACE		#6 OR SMALLER	2"	#6 OR LARGER	2"	WALL-UNEXPOSED FACE	3/4"
LOCATION	AMOUNT														
FORMED EARTH	2"														
CONCRETE CAST AGAINST AND PERMANENTLY EXPOSED TO EARTH	3"														
WALL-EXPOSED FACE															
#6 OR SMALLER	2"														
#6 OR LARGER	2"														
WALL-UNEXPOSED FACE	3/4"														

<p><b>BOLTS:</b></p> <p>ALL COMMON BOLTS AND ANCHOR BOLTS SHALL CONFORM TO ASTM A-307.</p> <p><b>STRUCTURAL WELDING: SPECIAL INSPECTOR REQUIRED</b></p> <p>GENERAL: DURING THE WELDING OF ANY MEMBER OR CONNECTION THAT IS DESIGNED TO RESIST LOADS AND FORCES REQUIRED BY THIS CODE.</p> <p>ALL WELDS USED IN PRIMARY MEMBERS AND CONNECTIONS IN THE LATERAL FORCE-RESISTING SYSTEMS SHALL BE MADE WITH A FILLER METAL THAT HAS A MINIMUM CHARPY V-NOTCH TOUGHNESS OF 20 FT/LBS AT MINUS 20 DEGREES F AS DETERMINED BY AWS CLASSIFICATION OR MANUFACTURER CERTIFICATION.</p> <p>ALL STRUCTURAL WELDING SHALL BE BY "ELECTRIC ARC PROCESS" PER AWS STANDARD CODE FOR ARC AND GAS WELDING IN BUILDING CONSTRUCTION. ALL LIGHT GAUGE STEEL (SHEET STEEL) SHALL BE WELDED PER AWS D1.3. ALL REINFORCING STEEL SHALL BE WELDED WITH LOW-HYDROGEN RODS PER AWS D1.4, OR REINFORCING STEEL SHALL CONFORM TO ASTM A-706. ALL SHOP WELDED MUST BE PERFORMED BY "APPROVED" WELDERS IN A SHOP OF A LICENSED FABRICATOR. ALL FIELD WELDING SHALL BE PERFORMED BY "APPROVED" WELDERS. ELECTRODES SHALL BE E70XX FOR STRUCTURAL STEEL AND REBAR AND SHALL BE E60XX FOR LIGHT GAUGE STEEL. ★ (SEE OPTIONAL PROCESS)</p> <p>THE SPECIAL INSPECTOR NEED NOT BE CONTINUOUSLY PRESENT DURING WELDING OF THE FOLLOWING ITEMS, PROVIDED THE MATERIALS, WELDING PROCEDURES AND QUALIFICATION OF WELDERS ARE VERIFIED PRIOR TO THE START OF WORK: PERIODIC INSPECTIONS ARE MADE OF WORK IN PROGRESS, AND A VISUAL INSPECTION OF ALL WELDS IS MADE PRIOR TO SHIPMENT OF SHOP WELDING.</p> <ol style="list-style-type: none"><li>FLOOR AND ROOF DECK WELDING.</li><li>WELDED STUDS WHEN USED FOR STRUCTURAL DIAPHRAGM OR COMPOSITE SYSTEMS.</li><li>WELDED SHEET STEEL FOR COLD-FRAMED STEEL FRAMING MEMBERS SUCH AS STUDS AND JOISTS WHICH ARE NOT PART OF AN ORDINARY MOMENT FRAME.</li><li>SINGLE PASS FILLET WELDS NOT EXCEEDING 5/16".</li></ol> <p>MATERIAL SHALL BE IDENTIFIED BY MARKING OR STAMPING THE I.D. NUMBER ON STRUCTURAL STEEL COMPONENTS BY LICENSED FABRICATION SHOP.</p> <p>ALL BUTT, BEVEL, GROOVE, VEE, U AND J WELDS SHALL BE PREQUALIFIED COMPLETE PENETRATION WELDS.</p> <p>FILLER MATERIAL FOR WELDING: SHIELDED METAL-ARC: AWS A5.1 OR 15.5 E70XX ELECTRODES.</p> <p>HOLES IN STRUCTURAL STEEL SHALL NOT BE PERMITTED UNLESS SPECIFICALLY DETAILED ON THE STRUCTURAL DRAWINGS.</p> <p>STRUCTURAL STEEL SHALL BE THOROUGHLY CLEANED BY SCRAPING OR WIRE BRUSHING AND SHOP PRIMED.</p> <p>ALL STEEL WORK, INCLUDING WELD AND CONNECTIONS EXCEPT WHERE ENTIRELY ENCASED IN CONCRETE SHALL BE GIVEN ONE COAT OF ACCEPTABLE METAL PROTECTION WELL WORKED INTO JOINTS AND OPEN SPACES</p> <p>* OPTIONAL USE OF: FCAW PROCESS: E71T-8 FOR STRUCTURAL/REBAR (MEETS ALL CHARPY REQUIREMENTS) E71T-11 FOR METAL DECKING</p> <p><b>COLD-FORMED STEEL FRAMING:</b></p> <p>STRUCTURAL LIGHT GAUGE STEEL FRAMING AND ACCESSORIES SHALL BE FABRICATED IN ACCORDANCE WITH ASTM A-1011/A GRADE AS LISTED BELOW. SEE PLAN FOR MINIMUM YIELD.</p> <p>MATERIAL THICKNESS 0.120" OR LESS: ASTM A-1011/A GRADE 33 (UNO)</p> <p>MATERIAL THICKNESS 0.135": ASTM A-1011/A GRADE 40</p>	
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SHEET STEEL DESIGNATION THICKNESS (INCHES)	MINIMUM DELIVERED THICKNESS (INCHES)
0.018	0.017
0.030	0.029
0.036	0.034
0.048	0.046
0.060	0.057
0.075	0.071
0.105	0.100
0.120	0.114
0.135	0.128

LIGHT GAUGE STEEL STUDS AND TRACKS SHALL COMPLY WITH ASTM A-1003 STRUCTURAL GRADE 33 TYPE H

ALL WELDING SHALL BE IN CONFORMANCE WITH AWS D1.3, "STRUCTURAL WELDING CODE - SHEET STEEL" QUALIFICATION OF WELDERS SHALL BE IN ACCORDANCE WITH AWS D1.1, CHAPTER 5, PART C, "WELDER QUALIFICATIONS".

BOLTS, SCREWS, ETC. EXPOSED TO THE EXTERIOR SHALL BE GALVANIZED

MACHINE BOLTS USED SHALL CONFORM TO SPECIFICATIONS OF ASTM STANDARD A-307.

**NDT:**

(b) CJP GROOVE WELD NDT

(c) RASONIC TESTING SHALL BE PERFORMED ON 100 PERCENT OF CJP GROOVE WELDS IN MATERIALS 5/16 IN. (8mm) THICK OR GREATER. ULTRASONIC TESTING IN MATERIALS LESS THAN 5/16 IN. (8mm) THICK IS NOT REQUIRED. MAGNETIC PARTICLE TESTING SHALL BE PERFORMED ON 25 PERCENT OF ALL BEAM-TO-COLUMN CJP GROOVE WELDS.

**WOOD:**

**FRAMING:** ALL FRAMING LUMBER SHALL BE GRADE MARKED BY AN APPROVED GRADING AGENCY AND SHALL BE OF THE FOLLOWING MINIMUM GRADES OR BETTER, PER WCLB RULES #16

PLATES AND BLOCKING - STANDARD GRADE OR BETTER

STUDS AND HEADER = DF #2 OR BETTER

**SHEATHING:**

AMERICAN PLYWOOD ASSOCIATION PS 1-07. EACH SHEET SHALL BE GRADE MARKED BY THE AMERICAN PLYWOOD ASSOCIATION, AND SHALL CONFORM TO THE REQUIREMENTS OF STANDARD GRADE GROUP 1 OR BETTER GRADE STAMPED AND IDENTIFIED UNDER THE PROCEDURES AND QUALIFICATIONS SET FORTH BY PS 1-07.

- PLYWOOD SUB FLOOR: 1 1/8" T&G UNBLOCKED PLYWOOD. PROVIDE SEAMLESS WOVEN POLYFLEX BOTTOM BOARD FOR MOISTURE PROTECTION
- OPTIONAL PLYWOOD ROOF DECK: APA RATED 3/4" T&G OSB OR EQUIVALENT RATED SHEATHING WITH APPROVAL FROM DSA
- EXTERIOR WALL SIDING:
  - STANDARD: 5/8" D&T OR 5/8" SMART PANEL
  - OPTIONAL: 5/8" MDO
  - OPTIONAL: 1/2" OSB OR CDX PLYWOOD FOR PLASTER/STUCCO FINISH
- EXTERIOR WALL SIDING ATTACHMENT: FASTENERS USED FOR THE ATTACHMENT OF EXTERIOR WALL COVERINGS SHALL BE HOT-DIPPED GALVANIZED, MECHANICALLY DEPENDENT ZINC-COATED, STAINLESS STEEL, SILICON BRONZE OR COPPER PER CBC SECTION 2304.9.1.1

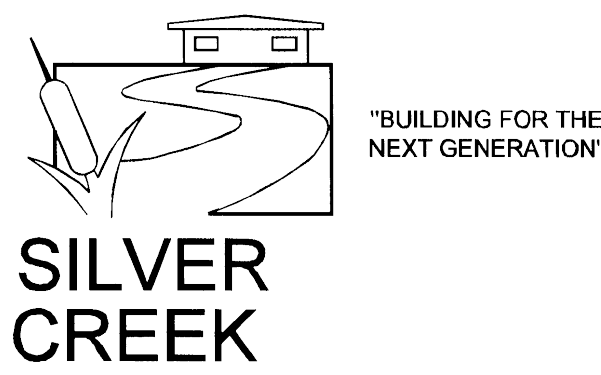

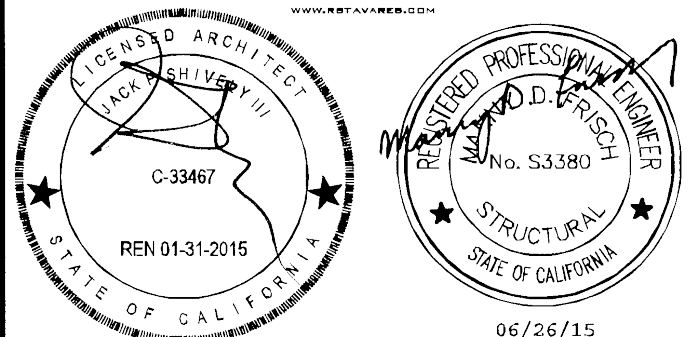
**TREATED WOOD:**

ALL WOOD INCLUDING WOOD SHEATHING IN CONTACT WITH CONCRETE OR MASONRY AND LOCATED WITHIN 8" OF EXPOSED EARTH SHALL BE "PRESERVATIVE TREATED" OR SHALL BE "NATURALLY DURABLE" MATERIAL (CBC SECTION 2304.11.2.2)

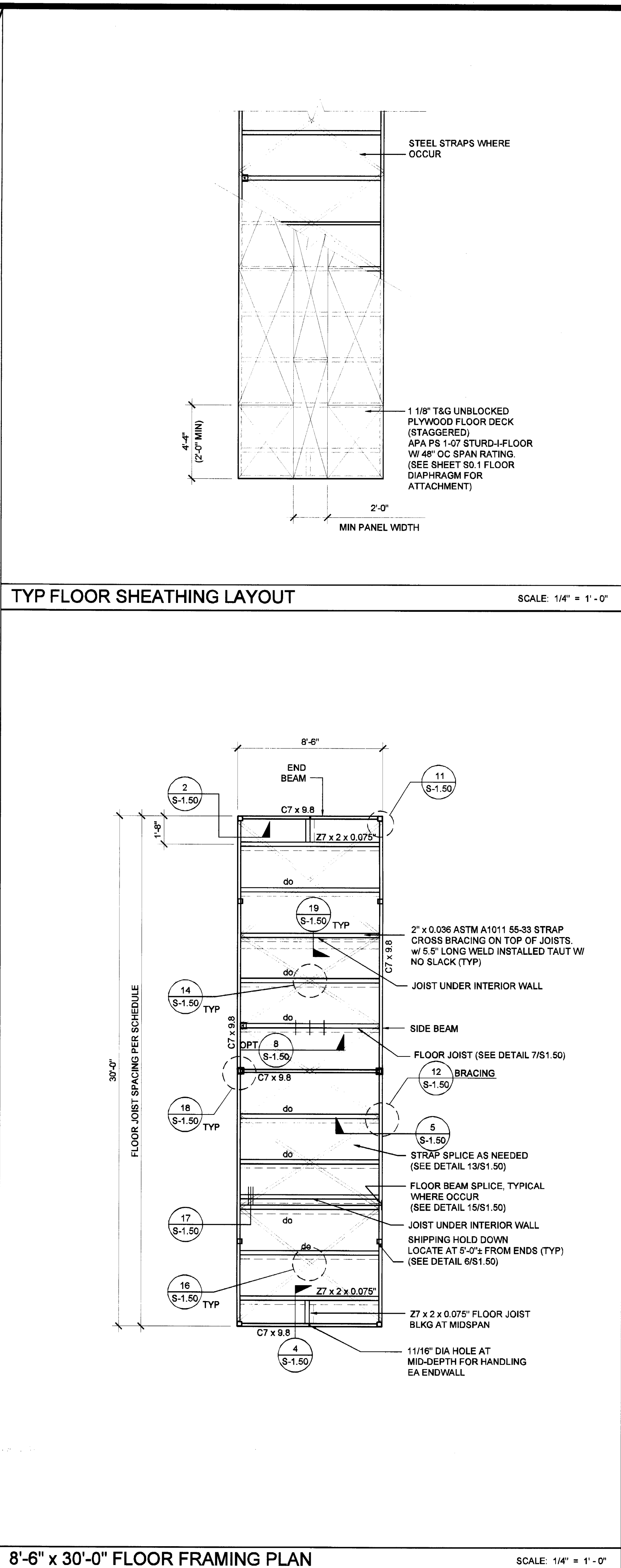
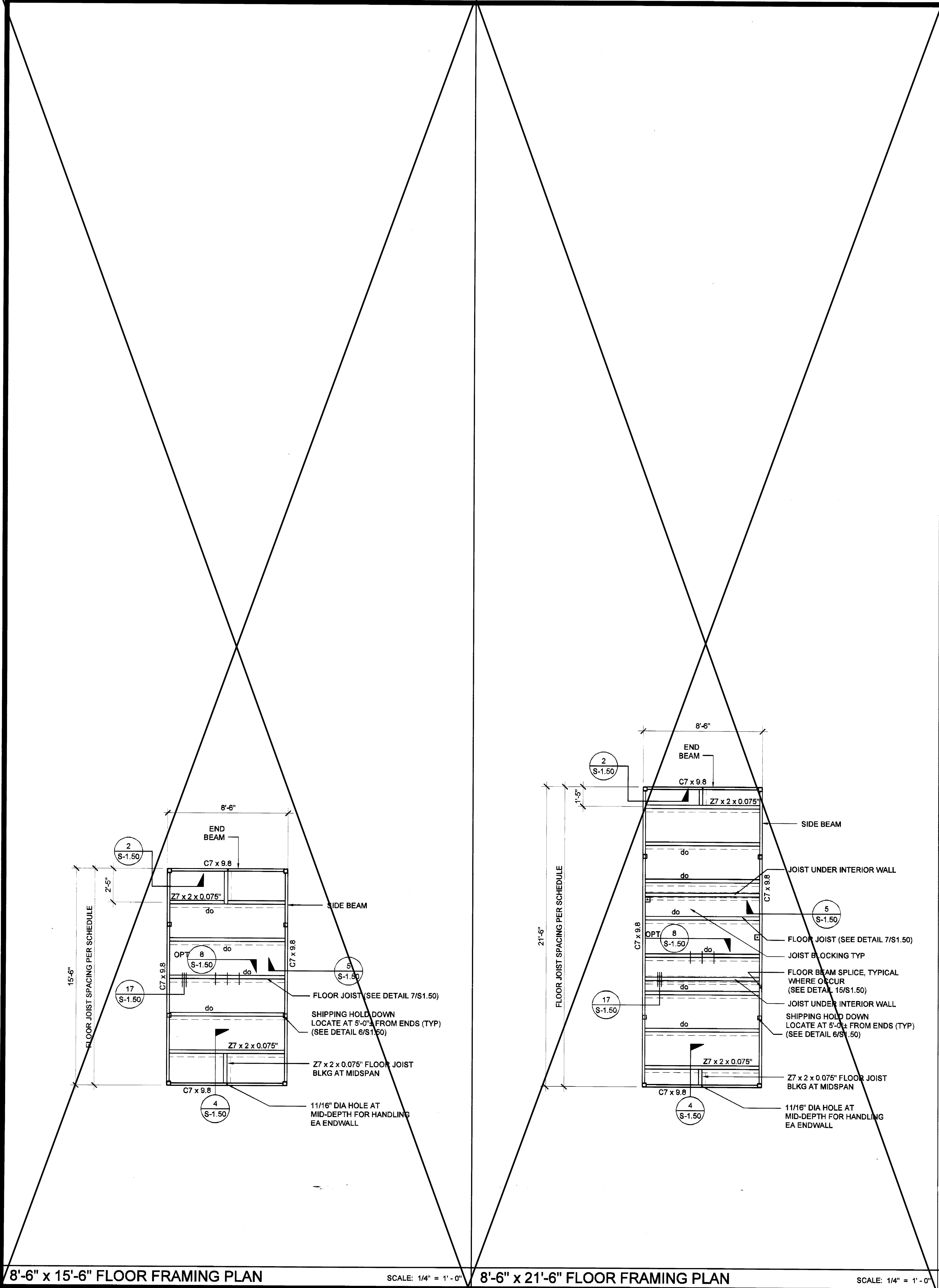
- ALL ROUGH LUMBER SHALL BE DF #2 OR BETTER.
- FASTEN WOOD BESIDES USING SCREWS
- ALL POWER DRIVEN FASTENERS SHALL BE HILTI FASTENERS ICC® ESR-1863, OR RAMSEY POWER DRIVEN FASTENERS (ICC® ESR-1799), OR SIMPSON POWER DRIVEN FASTENERS ICC® ESR-2138, OR OTHER EQUIVALENT PRODUCTS WITH ICC REPORTS AND APPROVED BY DSA.
- FASTENERS, INCLUDING NUTS AND WASHERS, IN CONTACT WITH PRESERVATIVE-TREATED WOOD SHALL BE OF HOT-DIPPED ZINC-COATED GALVANIZED STEEL, STAINLESS STEEL, SILICON BRONZE OR COPPER PER CBC 2304.9.5.1

  |

<p><b>CONTINUOUS INSPECTION:</b></p> <p>PROJECT INSPECTOR TO PROVIDE CONTINUOUS FIELD INSPECTION.</p> <p>IN-PLANT INSPECTOR SHALL PROVIDE CONTINUOUS INSPECTION IN-PLANT</p> <p><b>METALS, STRUCTURAL, AND MISC. STEEL:</b></p> <p>CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIAL, AND SERVICES REQUIRED FOR STRUCTURES AND MISCELLANEOUS STEEL AS SPECIFIED AND INDICATED IN THE DRAWINGS.</p> <p>STEEL SHEETS: STEEL SHEETS FOR LIGHT GAUGE STEEL SECTIONS SHALL CONFORM TO THE REQUIREMENTS OF ASTM A-1011/A, GRADE 40 U.O. SHEET METAL GRAVEL STOPS AND FLASHINGS SHALL BE MINIMUM 0.030 THICKNESS AND SHALL BE GALVANIZED.</p> <p>ERECTION: ALL STRUCTURAL STEEL SHALL BE ERECTED TRUE, STRAIGHT, PLUMB AND TO ITS DESIGNED LOCATION. TEMPORARY BRACING OR SHORING SHALL BE INSTALLED WHEREVER NECESSARY TO TAKE CARE OF LOADS TO WHICH THE STRUCTURE MAY BE SUBJECTED, INCLUDING ERECTION EQUIPMENT AND THE OPERATION OF SAME. CONNECTIONS SHALL BE ADEQUATE TO WITHSTAND STRESSES TO WHICH THEY ARE NORMALLY SUBJECTED. CONNECTIONS SHALL BE STEEL, EXCEPT AS OTHERWISE NOTED. FIELD CONNECTIONS SHALL BE BOLTED OR WELDED AS SHOWN ON THE DRAWINGS.</p> <p><b>SHOP PAINT:</b></p> <p>* EXPOSED STEEL COATED WITH ONE SHOP COAT OF PRIMER.</p> <p>* NON-EXPOSED STEEL COATED WITH ON SHOP COAT OF PRIMER.</p> <p>* ALL SURFACES THOROUGHLY CLEANED BY EFFECTIVE MEANS PRIOR TO APPLICATION OF SHOP COATS.</p> <p><b>POWER DRIVEN FASTENERS FOR SILL PLATE, WOOD NAILERS TO STEEL COLUMNS, AND SHEET METAL TO STRUCTURAL STEEL:</b></p> <p>ALL POWER DRIVEN FASTENERS SHALL BE HILTI FASTENERS ICC® ESR-1863, OR RAMSEY POWER DRIVEN FASTENERS (ICC® ESR-1799), OR SIMPSON POWER DRIVEN FASTENERS ICC® ESR-2138, OR OTHER EQUIVALENT PRODUCTS WITH ICC REPORTS AND APPROVED BY DSA.</p> <p><b>WOOD ROUGH CARPENTRY:</b></p> <p>THE CONTRACTOR SHALL TAKE ALL PRECAUTIONS AND STEPS NECESSARY TO PROTECT ALL COMPLETED, SEMI-COMPLETED, AND TEMPORARY WORK FROM COMMENCEMENT OF PROJECT TO COMPLETE, SEMI-COMPLETION OF SAME ANY PORTION OF THE WORK DAMAGED OR DISFIGURED SHALL BE SATISFACTORYLY REPAIRED OR REPLACED AND THE WORK AS A WHOLE LEFT WITHOUT BLEMISH AT FINAL ACCEPTANCE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR TAKING ALL NECESSARY MEASUREMENTS AT THE BUILDING, THE ACCURATE FITTING OF ALL WORK AND PROPER ACCOMMODATION OF OTHER TRADES.</p> <p><b>DESCRIPTION OF WORK:</b></p> <p>THIS SECTION INCLUDES FURNISHING OF ALL LABOR, MATERIAL, TOOLS, EQUIPMENT, TRANSPORTATION, AND FACILITIES TO COMPLETE ROUGH CARPENTRY AS INDICATED IN THE DRAWINGS AND AS SPECIFIED HEREIN.</p> <p><b>WORKMANSHIP:</b></p> <p>ALL WORKMANSHIP SHALL BE IN ACCORDANCE WITH THE BEST PRACTICE, SHALL BE ACCURATE AS TO MEASUREMENT AND SHALL BE CAREFULLY DONE. PLYWOOD SHEATHING SUBFLOOR SHALL PROVIDE A SMOOTH UNIFORM SURFACE CAPABLE PROPERLY ACCEPTING A CARPET FINISH.</p> <p><b>ROOF DIAPHRAGM:</b></p> <p>3/4" T&amp;G APA RATED SHEATHING - STRUCTURE 1 EXPOSURE 1</p> <p>SPAN RATING 48/24 MIN.</p> <p>FASTEN TO SHEET METAL SUPPORTS W/ #8 STS @ 6" E.N., 12" F.N. OR 0.145 DRIVE PINS @ 6" E.N., 6" F.N. (8'-6"x15'-6") &amp; (8'-6"x21'-6") 0.145 DRIVE PINS @ 4" B.N., 6" E.N., 6" F.N. (8'-6"x32'-0")</p> <p><b>FLOOR DIAPHRAGM:</b></p> <p>1 1/8" PLYWOOD - STURD-I-FLOOR</p> <p>EXTERIOR - TONGUE AND GROOVE EDGES</p> <p>SPAN RATING: 48"</p> <p>FASTEN TO SHEET METAL SUPPORTS W/ #8 x 1 1/4 LG. SELF-DRILLING, SELF-TAPPING PHILLIPS FLAT-HEAD ZINC COATED TEKs SCREWS (ICC ESR-1976) OR 0.145 PACFAST PREFERRED FASTENERS (ICC ESR-2961) AT 6" OC AT BOUNDARIES, AT 8" OC AT EDGES, AND 12" OC AT INTERMEDIATE SUPPORTS. MIN. 3/8" EDGE DISTANCE FOR FASTENERS TO PLYWOOD EDGE PER CBC SECTION 2306.2. 0.145 PNEUMATIC FASTENERS (PACFAST PREFERRED FASTENERS) OPTION IS NOT ALLOWED APPLICATIONS AT STRUCTURAL STEEL, I.E. FLOOR CHANNELS OR 150 PSF FLOOR LOAD OPTION.</p> <p>CONCRETE FLOOR DATA: LIGHTWEIGHT CONCRETE FLOOR STRENGTH: 3500 PSI or 4000 PSI TYPE: I OR II DENSITY: 110 PCF - MAX</p> <p><b>DIMENSION LUMBER ATTACHMENT TO STEEL FRAMING:</b></p> <p>2 x STUDS AT CORNER STEEL COLUMNS (NAILING STUD)</p> <p>USE: #10 - 24 x 2 1/2" LG. SELF-DRILLING SELF-TAPPING PHILLIPS FLAT-HEAD WITH WASHER ZINC COATED TEK SCREWS AT 24" O.C.</p> <p><b>REFERENCE STANDARDS NOTES:</b></p> <p>INTENT OF DRAWINGS AND SPECIFICATIONS IS TO CONSTRUCT THE BUILDING IN ACCORDANCE WITH THE STATE OF CALIFORNIA, CALIFORNIA CODE OF REGULATIONS, PART 1, 2, 3, 4, 5, 6, 9, AND 12, SUB-CHAPTER 1, CALIFORNIA BUILDING CODE, 2013 EDITION, MANUAL OF STEEL CONSTRUCTION (AISC) 14TH EDITION, AMERICAN WELDING SOCIETY, STRUCTURAL WELDING CODE, AWS D1.1, AMERICAN INSTITUTE OF TIMBER CONSTRUCTION STANDARD (AITC) 109 ARCHITECTURAL SHEET METAL MANUAL, AIA FILE NO. 124, (SMAcNA) LATEST ADOPTED EDITION UNLESS OTHERWISE NOTED.</p> <p><b>WORKMANSHIP:</b></p> <p>WORKMANSHIP AND MATERIALS SHALL BE SUCH THAT BUILDING WILL BE WEATHERTIGHT AND WATERTIGHT.</p> <p><b>INSPECTIONS:</b></p> <p>A PROJECT INSPECTOR EMPLOYED BY THE DISTRICT (OWNER) AND APPROVED BY THE DIVISION OF THE STATE ARCHITECT SHALL PROVIDE CONTINUOUS INSPECTION OF THE WORK THE DUTIES OF THE INSPECTOR ARE DEFINED IN SECTION 4-342, PART 1, TITLE 24, CCR.</p> <p><b>CHANGES:</b></p> <p>CHANGES TO THE APPROVED DRAWINGS AND SPECIFICATIONS SHALL BE MADE BY AN ADDENDA OR A CONSTRUCTION CHANGE DOCUMENT APPROVED BY THE DIVISION OF THE STATE ARCHITECT AS REQUIRED BY SECTION 4-338, PART 1, TITLE 24, CCR.</p> <p><b>NAILING NOTES:</b></p> <ol style="list-style-type: none"><li>ALL NAILS SHALL BE COMMON UNLESS OTHERWISE NOTED</li><li>MACHINE APPLIED 16d FASTENERS SHALL HAVE AN EMBEDMENT OF NOT LESS THAN 1 1/2" INTO THE SECOND MEMBER, AND SHALL BE NOT LESS THAN 3" IN OVERALL LENGTH. THE ABOVE NAILS SHALL ALSO BE ACCEPTABLE FOR HAND NAILING, PROVIDED THE REQUIRED EMBEDMENT IS MAINTAINED.</li></ol> <p><b>CONNECTION AND FASTENERS:</b></p> <p>ALL CONNECTIONS AND FASTENERS AS STATED ON THESE DRAWINGS CAN BE SUBSTITUTED BY AN EQUIVALENT PRODUCT WITH ICC REPORTS AND APPROVAL BY DSA.</p> <p><b>CONNECTION OF LAG SCREWS:</b></p> <p>AS REQUIRED PER ANSI / AF&amp;PA NDS-2012, LAG SCREWS MUST BE INSTALLED INTO A PRE-DRILLED PILOT HOLE WITH A STANDARD WASHER AND TURNED WITH A WRENCH! DO NOT DRIVE IN WITH A HAMMER. OVER-TORQUING CAN SIGNIFICANTLY REDUCE THE LATERAL RESISTANCE OF THE LAG SCREW AND SHOULD BE AVOIDED.</p>	
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FASTENING SCHEDULE CBC - TABLE 2304.9.1			THESE DRAWINGS AND ALL MATERIAL CONTAINED HEREIN ARE THE PROPERTY OF SILVERCREEK INDUSTRIES, INC. (SCI Inc) AND SHALL NOT BE REPRODUCED, COPIED OR OTHERWISE DISPOSED OF DIRECTLY OR INDIRECTLY AND SHALL NOT BE USED IN WHOLE OR IN PART TO ASSIST IN THE MAKING OF OR FOR THE PURPOSE OF FURNISHING ANY INFORMATION FOR THE MAKING OF DRAWINGS, PRINTS, APPARATUS OR PARTS THEREOF WITHOUT THE FULL KNOWLEDGE AND WRITTEN CONSENT OF SCI Inc. ALL PATENTABLE MATERIAL CONTAINED HEREIN AND ORIGINATING WITH SCI Inc SHALL BE THE PROPERTY OF SCI Inc.
CONNECTION	FASTENING <sup>a,m</sup>	LOCATION	
1. JOIST TO SILL OR GIRDER	3 - 8d COMMON 3 - 3"x0.131" NAILS	TOENAIL	
2. BRIDGING TO JOIST	2 - 8d COMMON (2 3/4" x 131") 2 - 3"x0.31" NAILS	TOENAIL EACH END	
3. 1" x 6" SUBFLOOR OR LESS TO EACH JOIST	2 - 8d COMMON (2 3/4" x 131")	FACE NAIL	
4. WIDER THAN 1" x 6" SUBFLOOR TO EACH JOIST	3 - 8d COMMON (2 3/4" x 131")	FACE NAIL	
5. 2" SUBFLOOR TO JOIST OR GIRDER	2 - 16d COMMON	BLIND AND FACE NAIL	
6. SOLE PLATE TO JOIST OR BLOCKING	16d(3 3/4" x 135") AT 16" O.C. 3"x0.131" NAILS AT 8" O.C.	TYPICAL FACE NAIL	
SOLE PLATE TO JOIST OR BLKING AT BRACED WALL PANEL	3 - 16d(3 3/4" x 135") AT 16" O.C. 4 - 3"x0.131" NAILS AT 16" O.C.	BRACED WALL PANELS	
7. TOP PLATE TO STUD	2 - 16d COMMON (3 3/4" x 0.162") 3 - 3"x0.031" NAILS	END NAIL	
8. STUD TO SOLE PLATE	4 - 8d COMMON (2 3/4" x 131") 4 - 3"x0.131" NAILS	TOENAIL	
	2 - 16d COMMON (3 3/4" x 0.162") 3 - 3"x0.131" NAILS	END NAIL	
9. DOUBLE STUDS	16d (3 3/4" x 135") AT 24" O.C. 3"x0.131" NAILS AT 12" O.C.	FACE NAIL	
10. DOUBLE TOP PLATES	16d (3 3/4" x 135") AT 16" O.C. 3"x0.131" NAILS AT 12" O.C.	TYPICAL FACE NAIL	
DOUBLE TOP PLATES	8 - 16d COMMON (3 3/4" x 0.162") 12 - 3"x0.131" NAILS	LAP SPLICE	
11. BLOCKING BETWEEN JOISTS OR RAFTERS TO TOP PLATE	3 - 8d COMMON (2 3/4" x 131") 3 - 3"x0.131" NAILS	TOENAIL	
12. RIM JOIST TO TOP PLATE	8d (2 3/4" x 131") AT 6" O.C. 3"x0.131" NAIL AT 6" O.C.	TOENAIL	
13. TOP PLATES, LAPS, AND INTERSECTIONS	2 - 16d COMMON (3 3/4" x 0.162") 3 - 3"x0.131" NAILS	FACE NAIL	
14. CONTINUOUS HEADER, TWO PIECES	16d COMMON (3 3/4" x 162")	16" OC ALONG EDGE	
15. CEILING JOISTS TO PLATE	3 - 8d COMMON (2 3/4" x 131") 5 - 3"x0.131" NAILS	TOENAIL	
16. CONTINUOUS HEADER TO STUD	4 - 8d COMMON (2 3/4" x 131")	TOENAIL	
17. CEILING JOISTS, LAPS OVER PARTITIONS (SEE SECTION 2308.10.4.1, TABLE 2308.10.4.1)	3 - 16d COMMON (3 3/4" x 0.162") MIN. TABLE 2308.10.4.1 4 - 3"x0.131" NAILS	FACE NAIL	
18. CEILING JOISTS TO PARALLEL RAFTERS (SEE SECTION 2308.10.4.1, TABLE 2308.10.4.1)	3 - 16d COMMON (3 3/4" x 0.162") MIN. TABLE 2308.10.4.1 4 - 3"x0.131" NAILS	FACE NAIL	
19. RAFTER TO PLATE (SEE SECTION 2308.10.1, TABLE 2308.10.1)	3 - 8d COMMON (2 3/4" x 131") 3 - 3"x0.131" NAILS	FACE NAIL	
20. 1" DIAGONAL BRACE TO EACH STUD AND PLATE	2 - 8d COMMON (2 3/4" x 131") 2 - 3"x0.131" NAILS	FACE NAIL	
21. 1" x 8" SHEATHING TO EACH BEARING	3 - 8d COMMON (2 3/4" x 131")	FACE NAIL	
22. WIDER THAN 1" x 8" SHEATHING TO EACH BEARING	3 - 8d COMMON (2 3/4" x 131")	FACE NAIL	
23. BUILT-UP CORNER STUDS	16d COMMON (3 3/4" x 162") 3"x0.131" NAILS	24" O.C. 16" O.C.	
24. BUILT-UP GIRDER AND BEAMS	20d COMMON (4"x0.192") 32" O.C. 3"x0.131" NAIL AT 24" O.C.	FACE NAIL AT TOP AND BOTTOM STAGGERED ON OPPOSITE SIDES	
	2 - 20d COMMON (4"x0.192") 3 - 3"x0.131" NAILS	FACE NAIL AT ENDS AND AT EACH SPLICE	
25. 2" PLANKS	16d COMMON (3 3/4" x 162")	AT EACH BEARING	
26. COLLAR TIE TO RAFTER	3 - 10d COMMON (3"x0.148") 4 - 3"x0.131" NAILS	FACE NAIL	
27. JACK RAFTER TO HIP	3 - 10d COMMON (3"x0.148") 4 - 3"x0.131" NAILS	TOE NAIL	
	2 - 16d COMMON (3 3/4" x 162") 3 - 3"x0.131" NAILS	FACE NAIL	
28. ROOF RAFTERS TO 2-BY RIDGE BEAM	2 - 16d COMMON (3 3/4" x 162") 3 - 3"x0.131" NAILS	TOE NAIL	
	2 - 16d COMMON (3 3/4" x 162") 3 - 3"x0.131" NAILS	FACE NAIL	
29. JOIST TO BAND JOIST	3 - 16d COMMON (3 3/4" x 162") 4 - 3"x0.131" NAILS	FACE NAIL	
30. LEDGER STRIP	3 - 16d COMMON (3 3/4" x 162") 4 - 3"x0.131" NAILS	FACE NAIL AT EACH JOIST	
31. WOOD STRUCTURAL PANELS AND PARTICLEBOARD <sup>b</sup> SUBFLOOR, ROOF AND WALL SHEATHING (TO FRAMING)	1/2" AND LESS 6d <sup>c,i</sup> 2 3/4" x 113" NAIL <sup>h</sup> 1 1/2" 16d GAGE <sup>a</sup> 18/32" TO 3/4" 8d <sup>d</sup> or 6d <sup>e</sup> 2 3/4" x 113" NAIL <sup>h</sup> 2 - 16d GAGE <sup>a</sup> 8d <sup>f</sup> 7/8" TO 1" 1 1/8" TO 1 1/4" 10d <sup>d</sup> or 8d <sup>e</sup>		
SINGLE FLOOR (COMBINATION SUBFLOOR-UNDERLAYMENT TO FRAMING)	3/4" AND LESS 6d <sup>c</sup> 7/8" TO 1" 1 1/8" TO 1 1/4" 10d <sup>d</sup> OR 8d <sup>e</sup>		
32. PANEL SIDING (TO FRAMING)	1/2" AND LESS 6d <sup>f</sup> 5/8" 8d <sup>f</sup>		
33. FIBERBOARD SHEATHING <sup>g</sup>	1/2" NO. 11 GA ROOFING NAIL <sup>h</sup> 5d COMMON NAIL (2"x0.113")		
	25/32" NO. 11 GA ROOFING NAIL <sup>h</sup> 8d COMMON NAIL (2 3/4" x 0.131")		
34. INTERIOR PANELING	1/4" 4d <sup>j</sup> 3/8" 6d <sup>j</sup>		
FOOTNOTES: a. COMMON OR BOX NAILS ARE PERMITTED TO BE USED EXCEPT WHERE OTHERWISE STATED. b. NAILS SPACED AT 6" ON CENTER AT EDGES, 12" AT INTERMEDIATE SUPPORTS EXCEPT 6" AT SUPPORTS WHERE SPANS ARE 48" OR MORE. FOR NAILING OF WOOD STRUCTURAL PANEL AND PARTICLEBOARD DIAPHRAGMS AND SHEAR WALLS, REFER TO SECTION 2305. NAILS FOR WALL SHEATHING ARE PERMITTED TO BE COMMON, BOX, OR CASING. c. COMMON OR DEFORMED SHANK (6d - 2" x 0.113"; 8d - 2 1/2" x 0.131"; 10d - 3" x 0.148"). d. COMMON (6d - 2" x 0.113"; 8d - 2 1/2" x 0.131"; 10d - 3" x 0.148"). e. DEFORMED SHANK (6d - 2" x 0.113"; 8d - 2 1/2" x 0.131"; 10d - 3" x 0.148"). f. CORROSION-RESISTANT SIDING (6d - 1 7/8" x 0.106"; 8d - 2 3/8" x 0.128") OR CASING (6d - 2" x 0.099"; 8d - 2 1/2" x 0.113") NAIL. g. FASTENERS SPACED 3" ON CENTER AT EXTERIOR EDGES AND 6" ON CENTER AT INTERMEDIATE SUPPORTS, WHEN USED AS STRUCTURAL SHEATHING. SPACING SHALL BE 6" ON CENTER ON THE EDGES AND 12" ON CENTER AT INTERMEDIATE SUPPORTS FOR NONSTRUCTURAL APPLICATIONS. h. CORROSION-RESISTANT ROOFING NAILS WITH 7/16" DIAMETER HEAD AND 1 1/2" LENGTH FOR 1/2" SHEATHING AND 1 3/4" LENGTH FOR 25/32" SHEATHING. i. CORROSION-RESISTANT STAPLES WITH NOMINAL 7/16" CROWN AND 1 1/8" LENGTH FOR 1/2" SHEATHING AND 1 1/2" LENGTH FOR 25/32" SHEATHING. PANEL SUPPORTS AT 16" (20" IF STRENGTH AXIS IN THE LONG DIRECTION OF THE PANEL, UNLESS OTHERWISE MARKED); STAPLES ARE NOT PERMITTED FOR WOOD SHEAR WALLS AND DIAPHRAGMS (2305.1.2.4). j. CASING (1 1/2" x 0.080") OR FINISH (1 1/2" x 0.072") NAILS SPACED 6" ON PANEL EDGES, 12" AT INTERMEDIATE SUPPORTS. k. PANEL SUPPORTS AT 24". CASING OR FINISH NAILS SPACED 6" ON PANEL EDGES, 12" AT INTERMEDIATE SUPPORTS. l. FOR ROOF SHEATHING APPLICATIONS, 8d NAILS (2 1/2" x 0.113") ARE THE MINIMUM REQUIRED FOR WOOD STRUCTURAL PANELS. m. STAPLES SHALL HAVE A MINIMUM CROWN WIDTH OF 7/16". STAPLES ARE NOT PERMITTED FOR WOOD SHEAR WALLS AND DIAPHRAGMS (2305.1.2.4). n. FOR ROOF SHEATHING APPLICATIONS, FASTENERS SPACED 4" ON CENTER AT EDGES, 8" AT INTERMEDIATE SUPPORTS. o. FASTENERS SPACED 4" ON CENTER AT EDGES, 8" AT INTERMEDIATE SUPPORTS FOR SUBFLOOR AND WALL SHEATHING AND 3" ON CENTER AT EDGES, 6" AT INTERMEDIATE SUPPORTS FOR ROOF SHEATHING. p. FASTENERS SPACED 4" ON CENTER AT EDGES, 8" AT INTERMEDIATE SUPPORTS.			
REVISIONS			<div>SILVER CREEK INDUSTRIES, INC.</div> <div></div> <div>2830 BARRETT AVE. PERRIS, CALIFORNIA 92571 PHONE: 951-943-5393 FAX: 951-943-2211</div>
PROJECT NAME:			
HUNEME ELEMENTARY			
8'-6" x 30'-0"			
TOILET BUILDING			
SHEET TITLE:			
STRUCTURAL SPECIFICATIONS			
			
			
ARCHITECT OF RECORD			
PROJECT SPECIFIC STATE AGENCY APPROVAL			
ORIGINAL PC STATE AGENCY APPROVAL			
<div><div><div>PRE-CHECK (PG) DOCUMENT CODE: 2013-CBC A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRED</div><div>IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT OFFICE OF REGULATION SERVICES PC 04-114148 AC: <u>  </u> FLS: <u>  </u> SS: <u>  </u> RMC DATE: JUL 16 2015</div></div></div>			
8'-6" RESTROOM PC (HIGH SEISMIC)			
PROJECT NO:			
DRAWN BY: FIL CARRILLO			
SCALE: AS NOTED			
DATE: 02/04/2015			
P.C. SHEET NUMBER			
S-0.1			
-- HIGH SEISMIC --			





FLOOR JOIST TABLE		
	LIVE LOAD PSF	JOIST SPACING
<input checked="" type="checkbox"/>	50	32" O.C.

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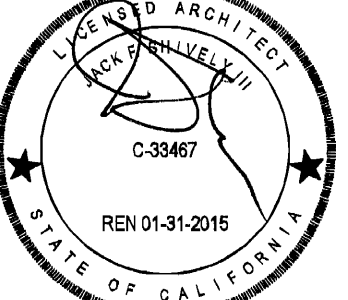
2830 BARRETT AVE. PERRIS, CALIFORNIA 92571  
PHONE: 951-943-5393 FAX: 951-943-2211

PROJECT NAME:  
**HUNEME ELEMENTARY**  
**8'-6" x 30'-0"**  
**TOILET BUILDING**

SHEET TITLE:  
**FLOOR FRAMING PLAN**



TAVARES ASSOCIATES  
ARCHITECTS  
14875 N. BURNBURY DR. SUITE 200  
DAN GLEN, CA 94522  
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ARCHITECT OF RECORD

PROJECT SPECIFIC STATE AGENCY APPROVAL

ORIGINAL PC STATE AGENCY APPROVAL

PRE-CHECKED DOCUMENT  
FOR CONSTRUCTION IS REQUIRED

IDENTIFICATION STAMP  
DIV. OF THE STATE ARCHITECT  
OFFICE OF REGULATION SERVICES  
PC 04-114148  
AC:    FLS:    SS: RAF  
DATE: JUL 16 2015

REVISIONS	
	
	
	
	
	

8'-6" RESTROOM PC (HIGH SEISMIC)

PROJECT NO:

DRAWN BY: FIL CARRILLO

SCALE: AS NOTED

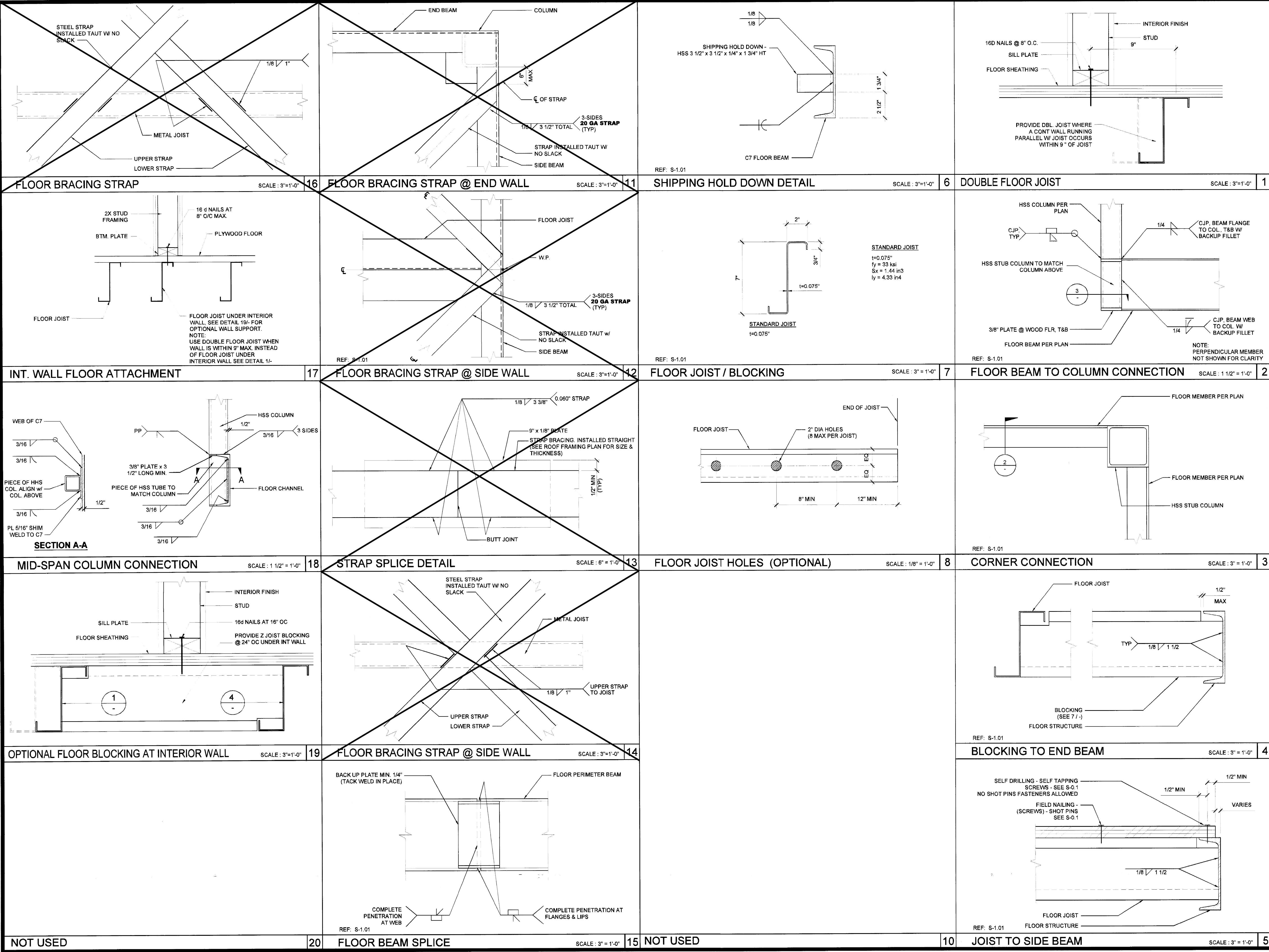
DATE: 02/04/2015

P.C. SHEET NUMBER

**S-1.01**

-- HIGH SEISMIC --





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**SILVER CREEK**

2830 BARRETT AVE. PERRIS, CALIFORNIA 92571  
PHONE: 951-943-5393 FAX: 951-943-2211

PROJECT NAME:

**HUNEME ELEMENTARY**  
8'-6" x 30'-0"  
TOILET BUILDING

SHEET TITLE:

**FLOOR FRAMING DETAILS**  
WOOD FLOOR

**TAVARES ASSOCIATES**  
ARCHITECTS  
REGISTERED ARCHITECT  
C33457  
RENEWED 01-31-2015  
STATE OF CALIFORNIA  
06/26/15

ARCHITECT OF RECORD

PROJECT SPECIFIC STATE AGENCY APPROVAL

ORIGINAL PC STATE AGENCY APPROVAL

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OFFICE OF REGULATION SERVICES  
PC 04-114148  
AC: [Signature] PLS: [Signature] SS: [Signature]  
DATE: JUL 16 2015

REVISIONS

8'-6" RESTROOM PC (HIGH SEISMIC)

PROJECT NO:

DRAWN BY: FIL CARRILLO

SCALE: AS NOTED

DATE: 02/04/2015

P.C. SHEET NUMBER

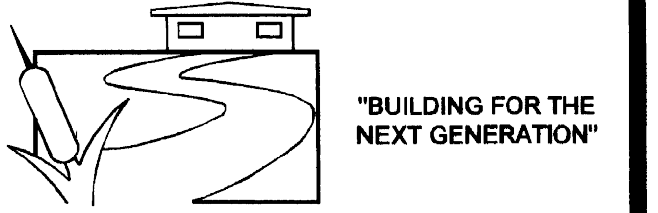
**S-1.50**

-- HIGH SEISMIC --



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ALL PATENTABLE MATERIAL CONTAINED HEREIN AND ORIGINATING WITH SCI Inc SHALL BE THE PROPERTY OF SCI Inc.

SILVER CREEK INDUSTRIES, INC.



**SILVER CREEK**

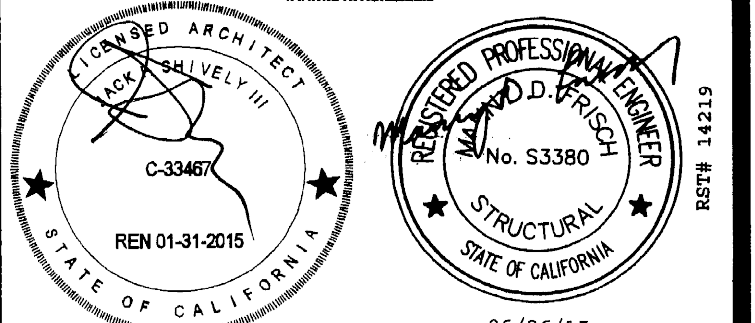
2830 BARRETT AVE. PERRIS, CALIFORNIA 92571  
PHONE: 951-943-5393 FAX: 951-943-2211

PROJECT NAME:

**HUNEME ELEMENTARY**  
**8'-6" x 30'-0"**  
**TOILET BUILDING**

SHEET TITLE:

**ROOF FRAMING PLAN**



ARCHITECT OF RECORD

PROJECT SPECIFIC STATE AGENCY APPROVAL

ORIGINAL PC STATE AGENCY APPROVAL

PRE-CHECK (PC) DOCUMENT  
CODE: 2015-001  
A SEISMIC RETROFIT IS REQUIRED  
FOR CONSTRUCTION

IDENTIFICATION STAMP  
DIV. OF THE STATE ARCHITECT  
OFFICE OF REGULATION SERVICES  
PC 04-114148  
AC: FLS. RA  
DATE: JUL 16 2015

REVISIONS

8'-6" RESTROOM PC (HIGH SEISMIC)

PROJECT NO:

DRAWN BY: FIL CARRILLO

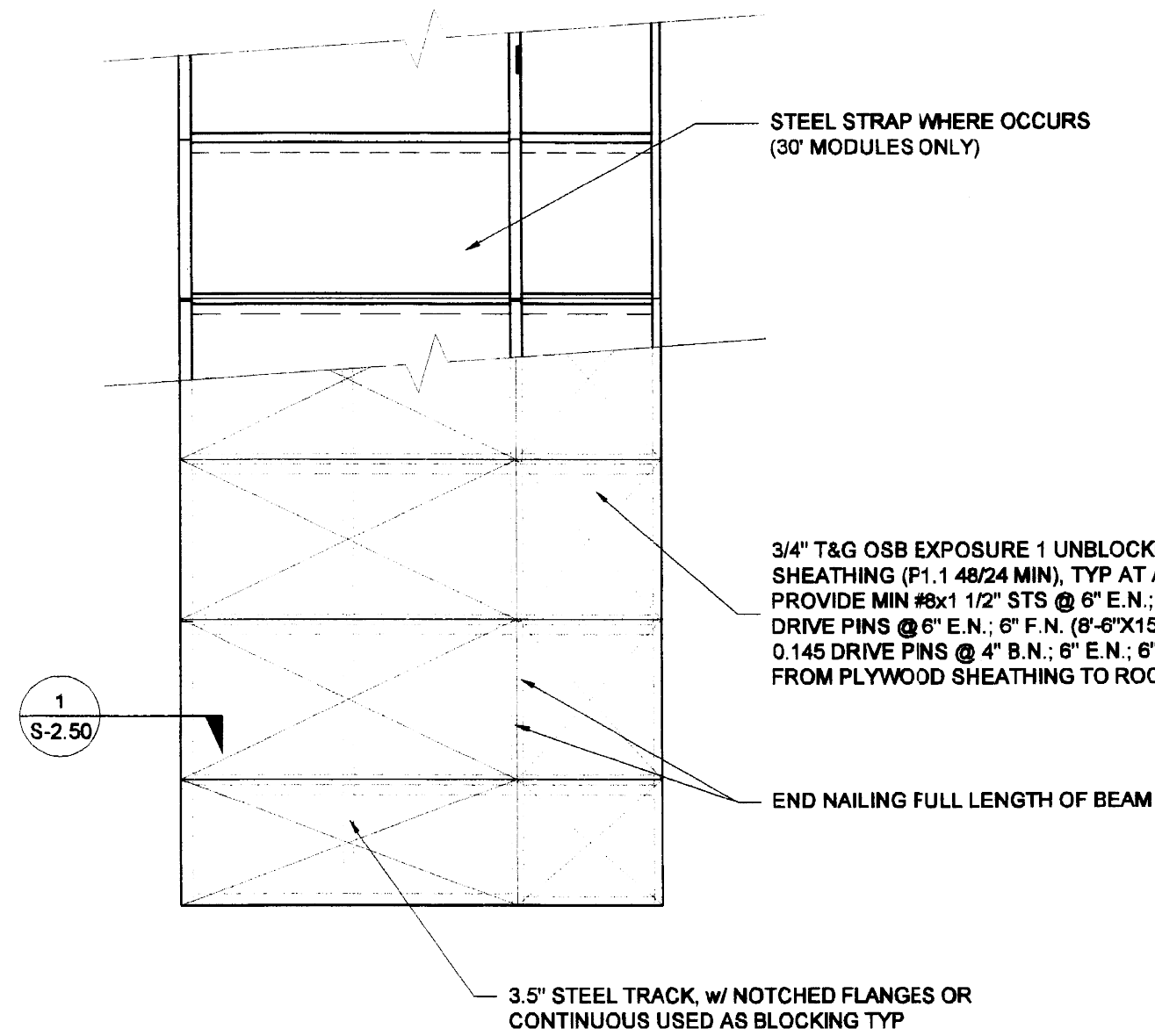
SCALE: AS NOTED

DATE: 02/04/2015

P.C. SHEET NUMBER

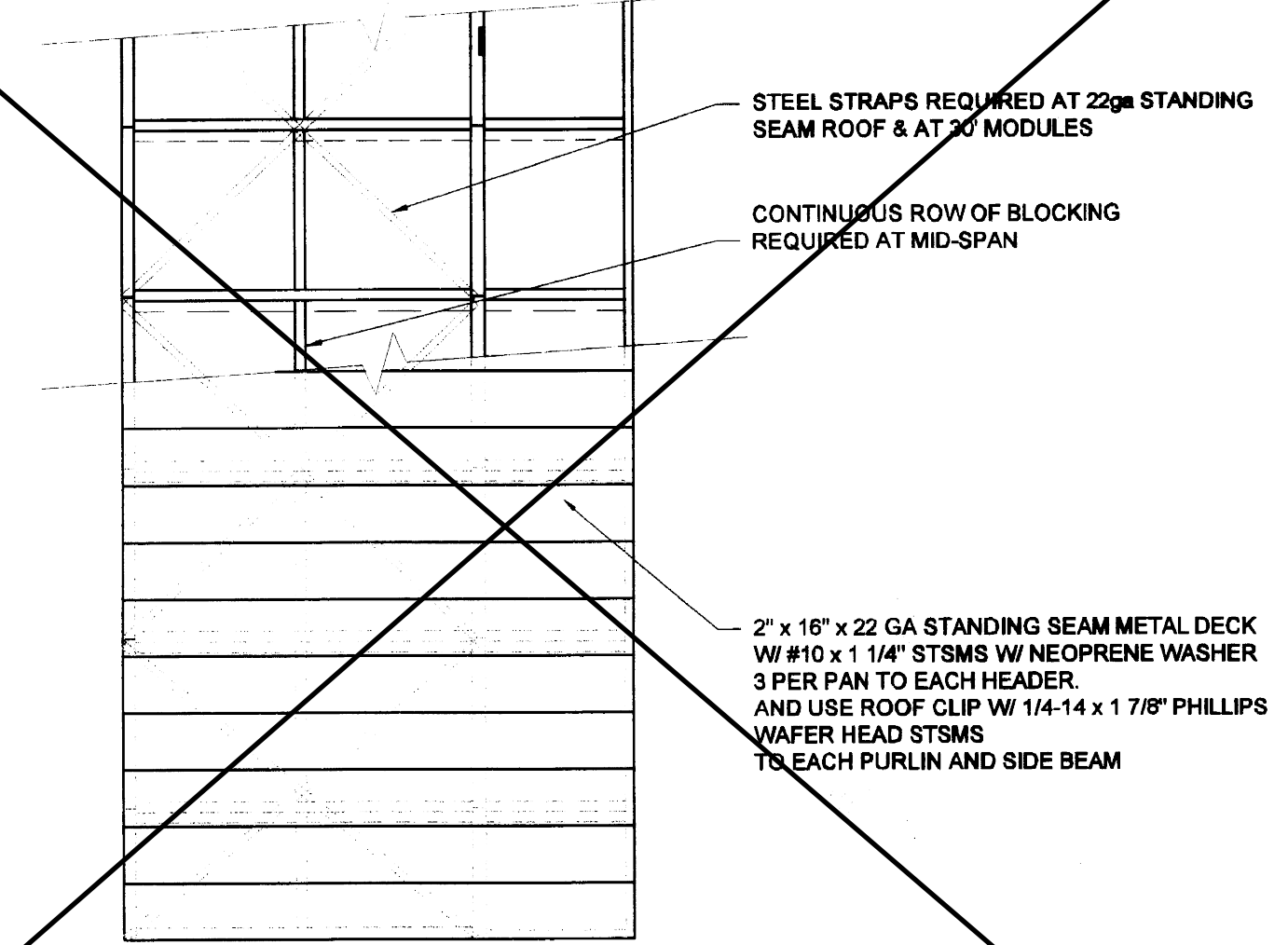
**S-2.01**

-- HIGH SEISMIC --



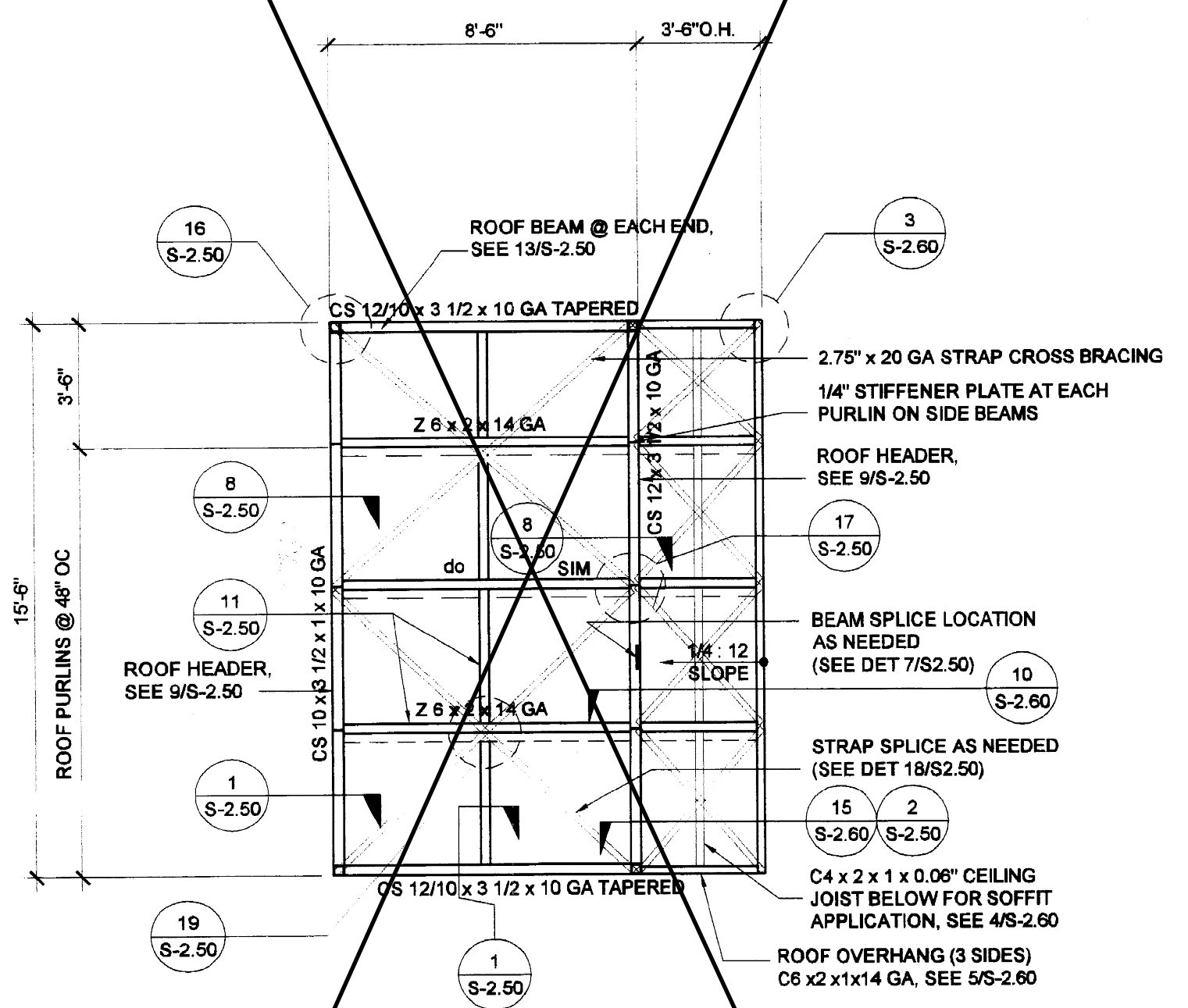
TYP ROOF SHEATHING LAYOUT

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



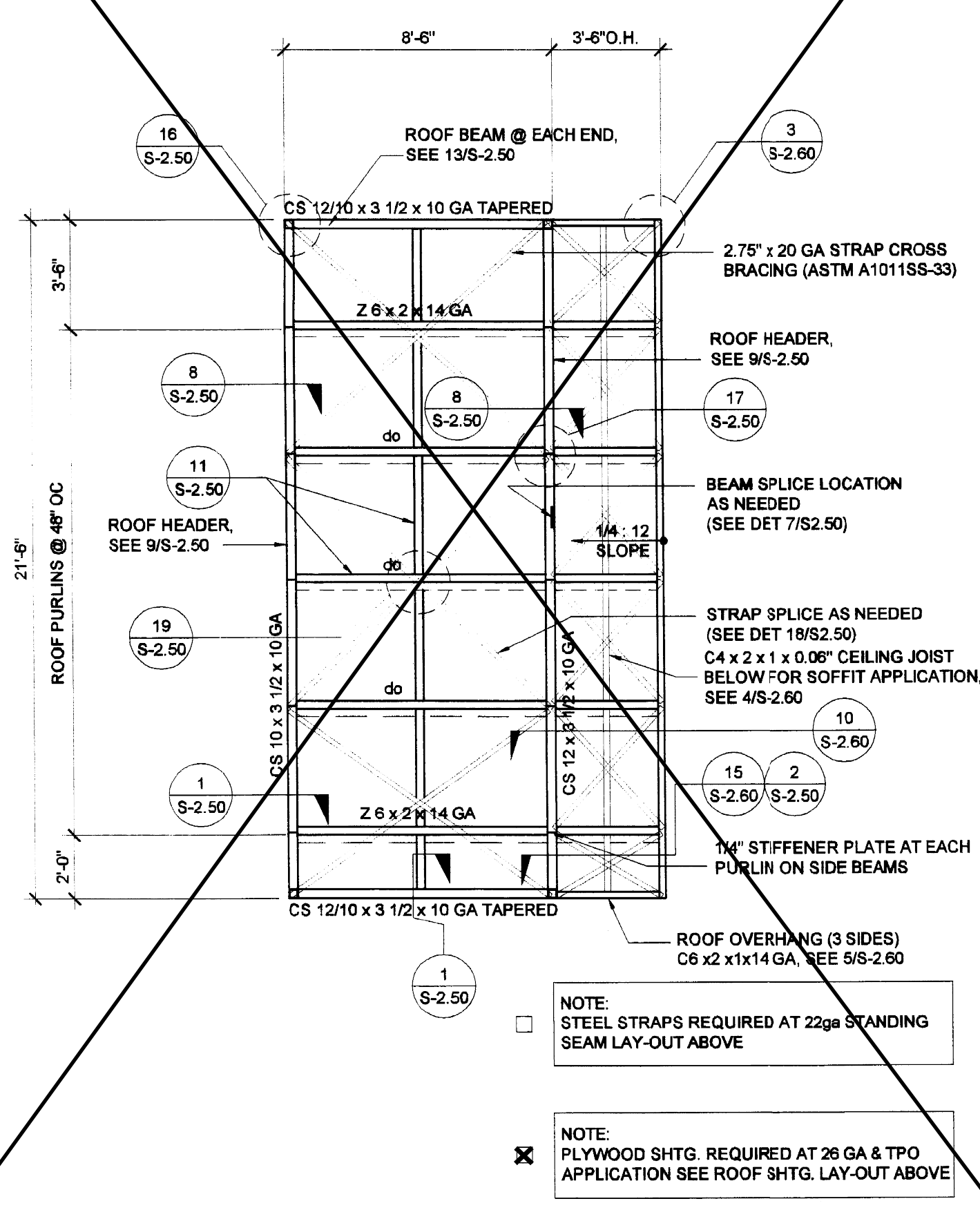
TYP STANDING SEAM LAYOUT

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



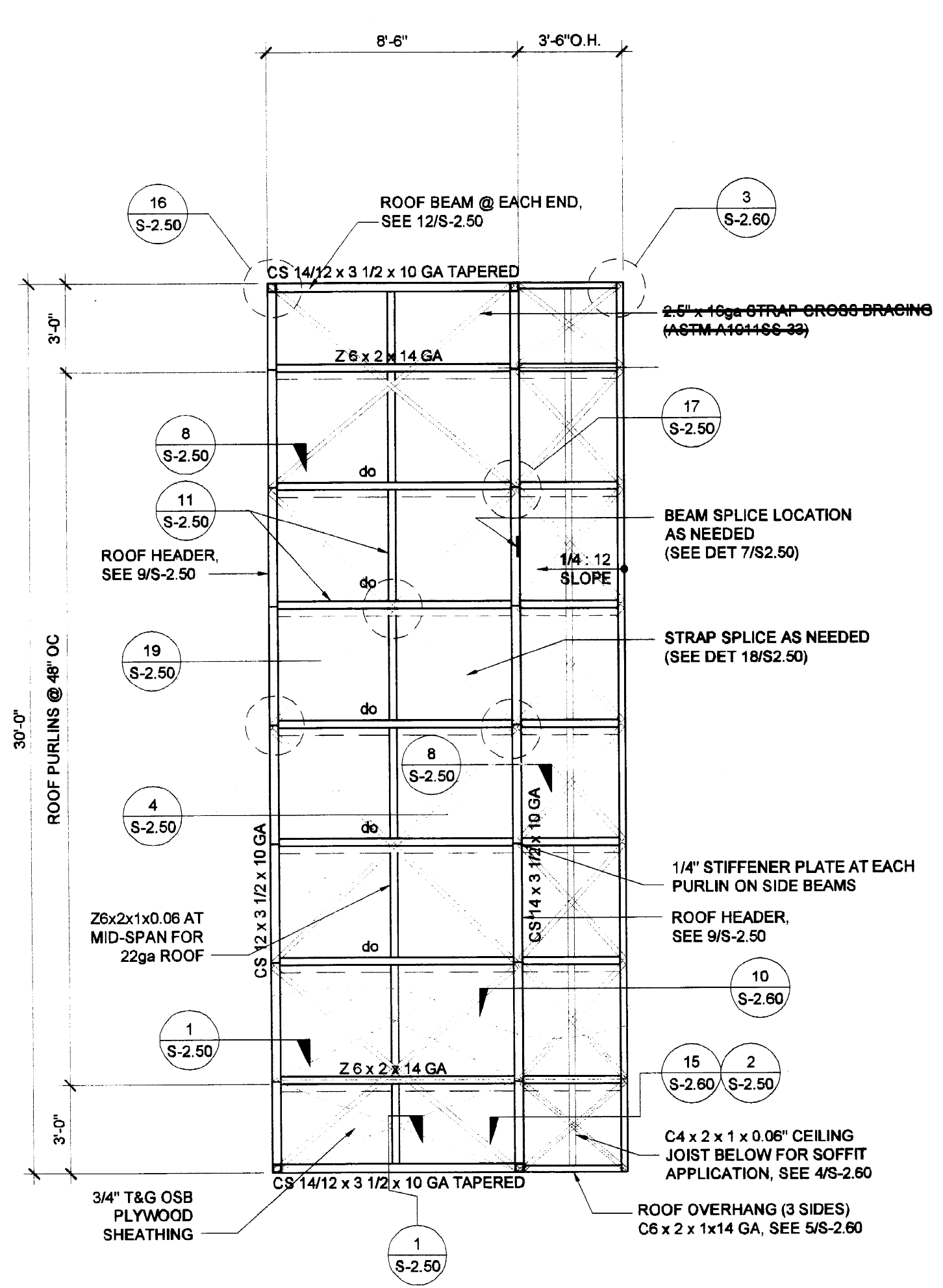
8'-6" x 15'-6" ROOF FRAMING PLAN

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



8'-6" x 21'-6" ROOF FRAMING PLAN

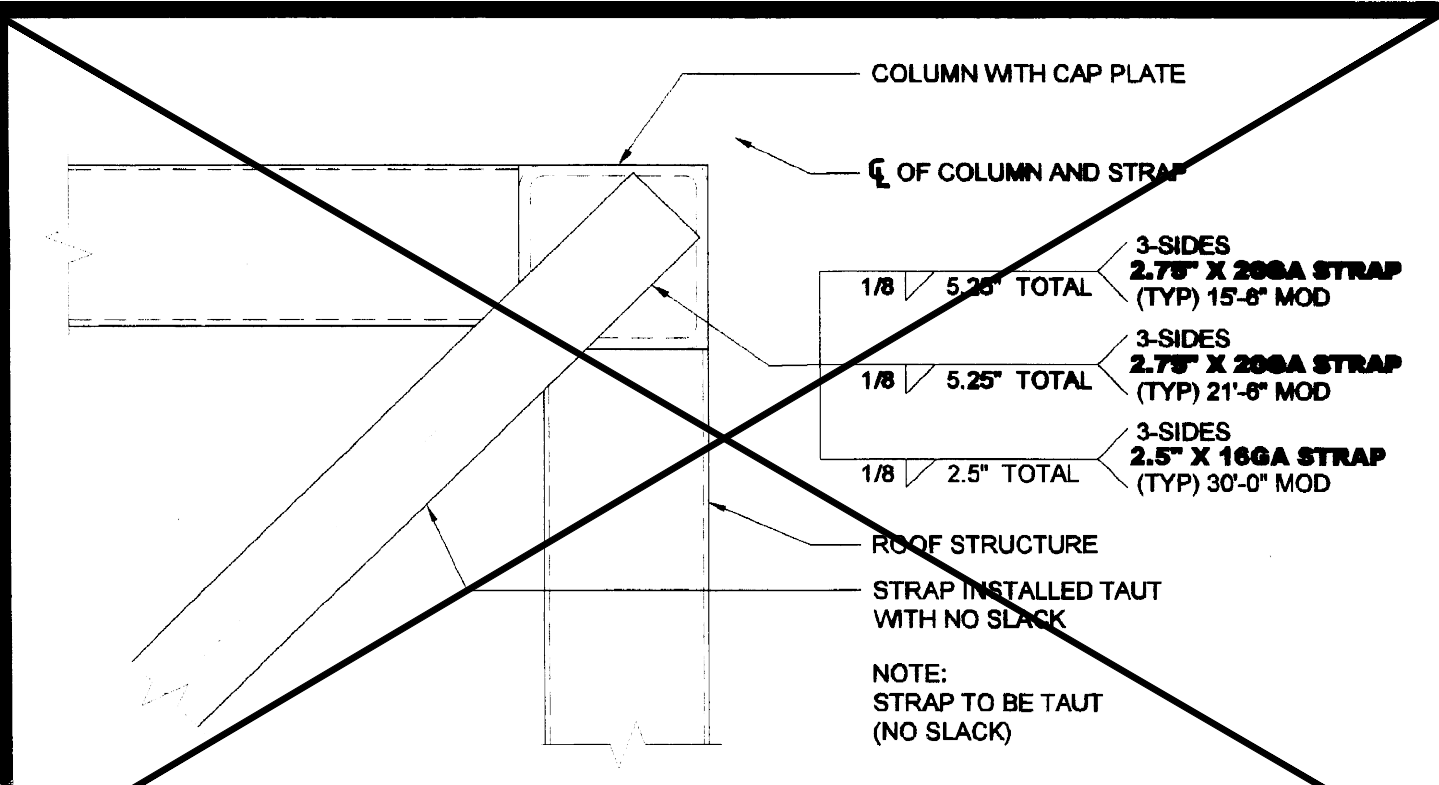
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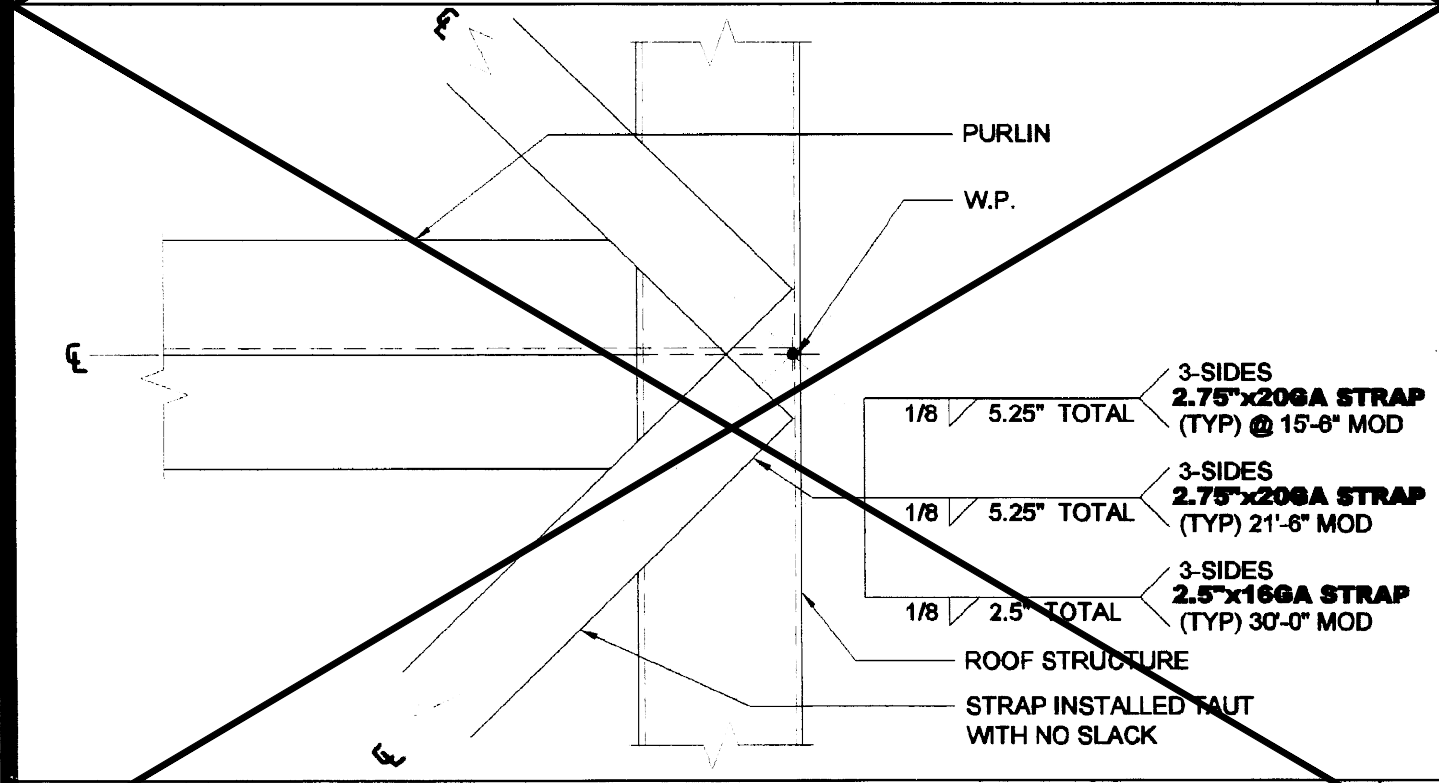
8'-6" x 30'-0" ROOF FRAMING PLAN

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

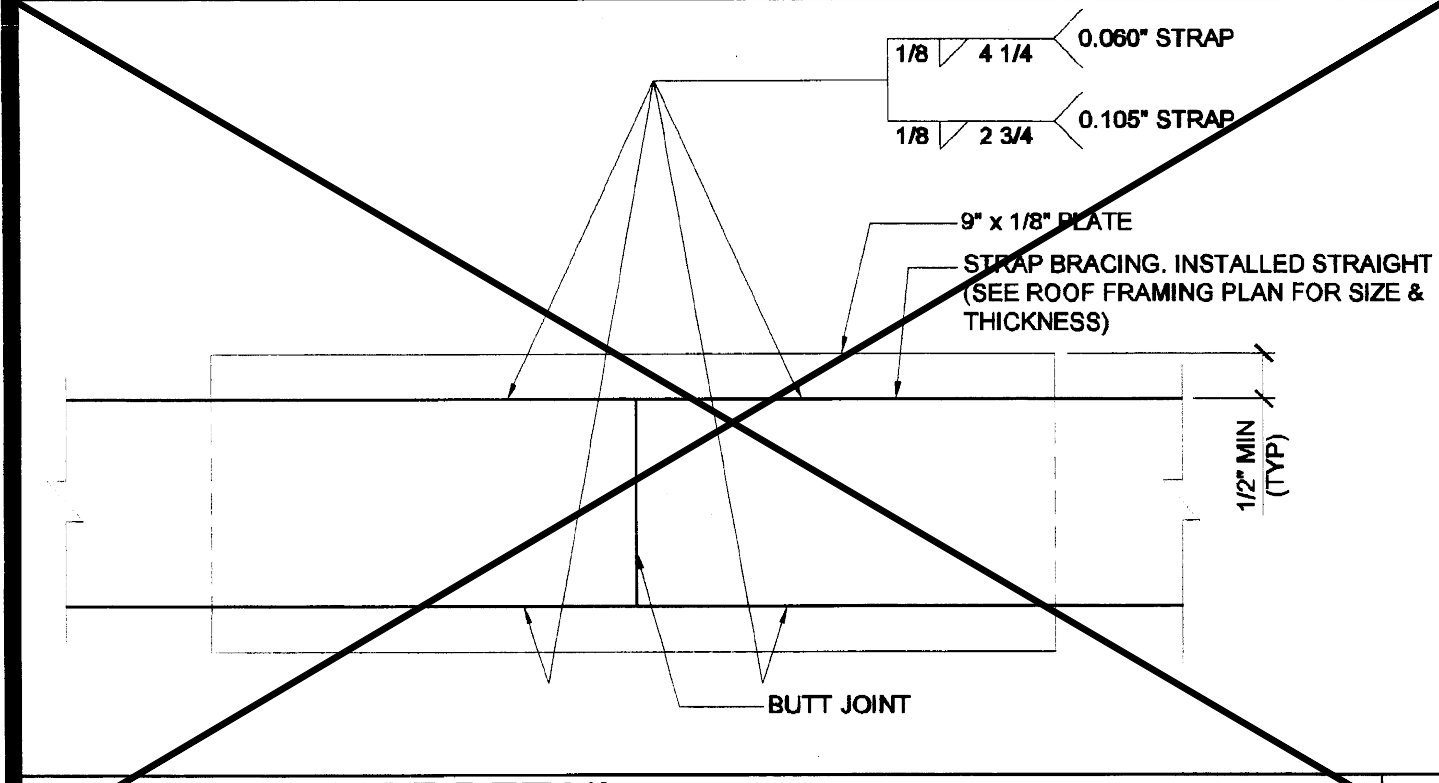




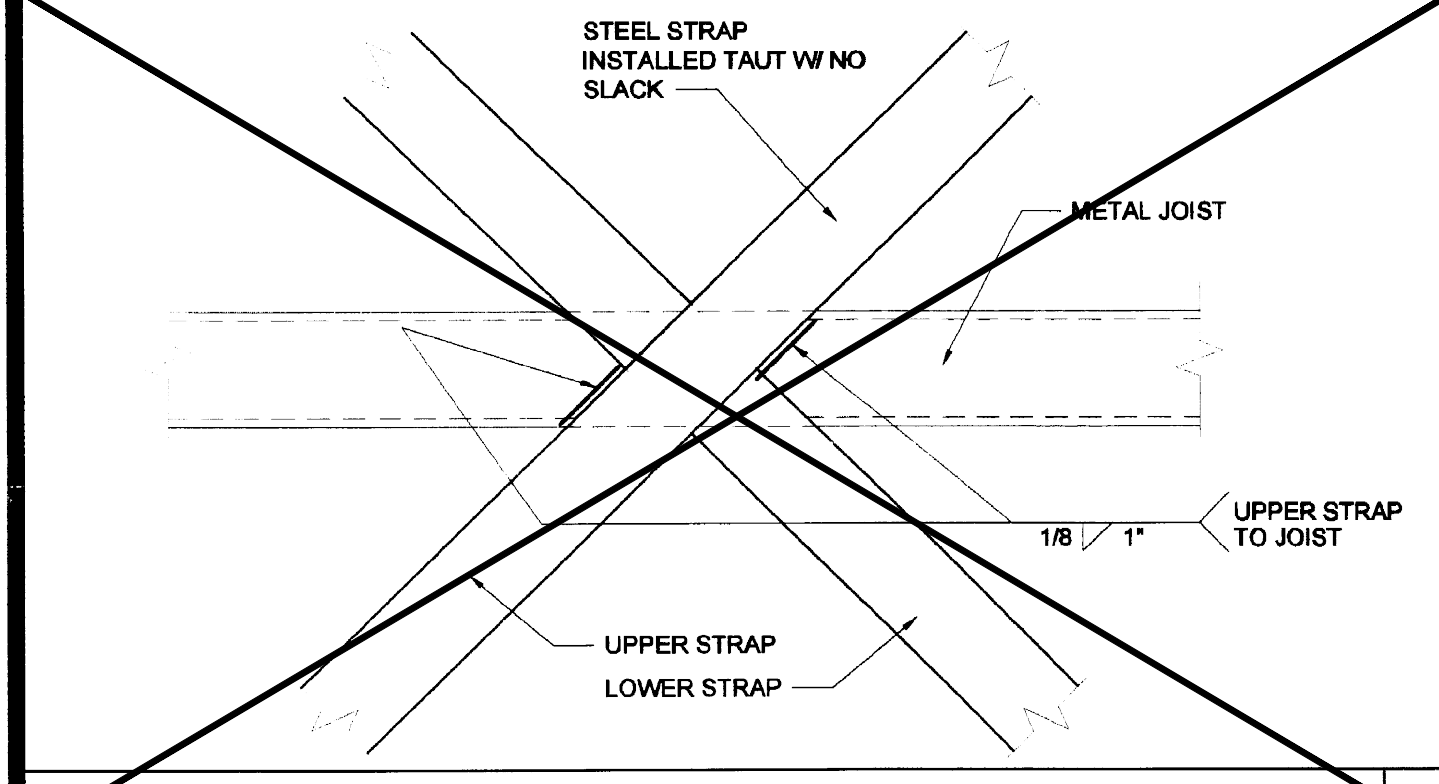
ROOF BRACING STRAP @ END WALL



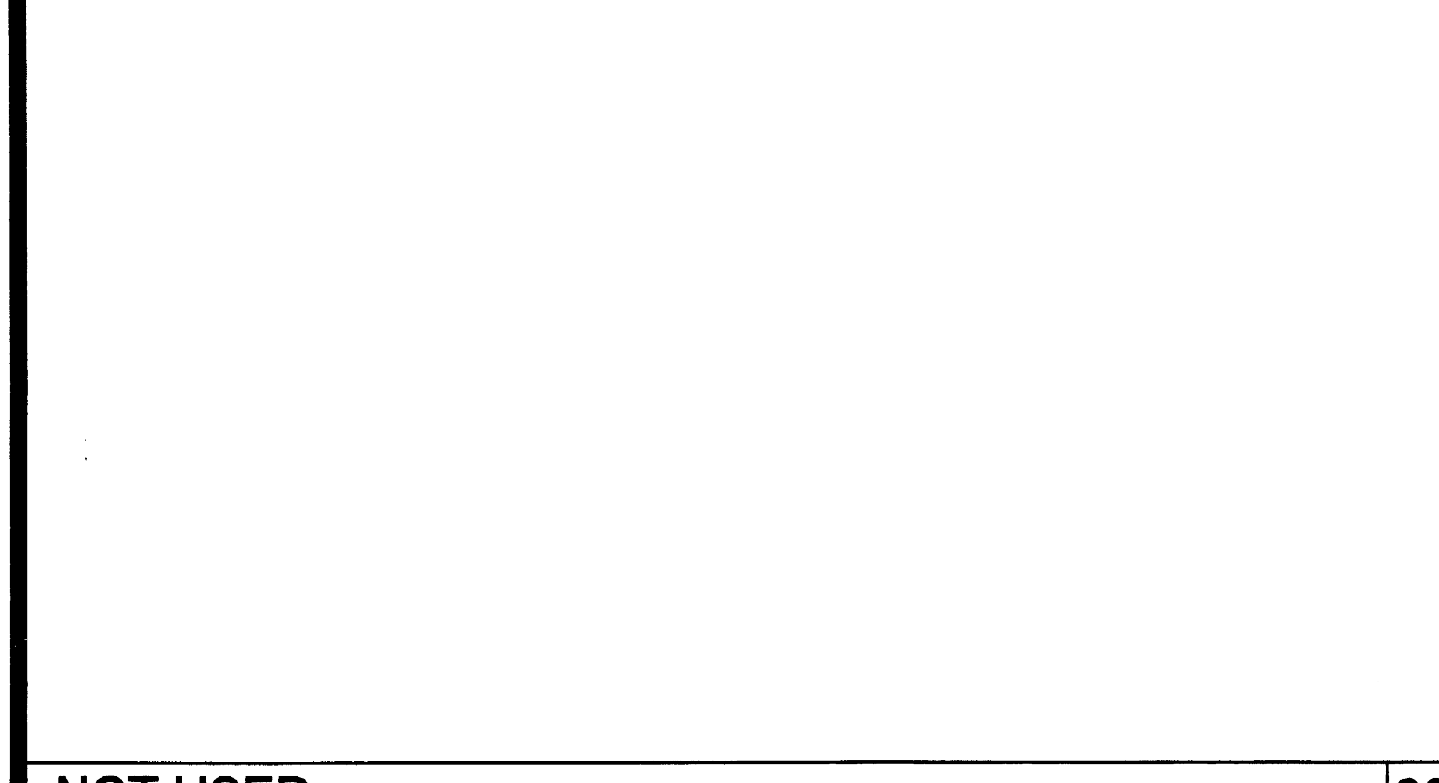
ROOF BRACING STRAP @ SIDE WALL



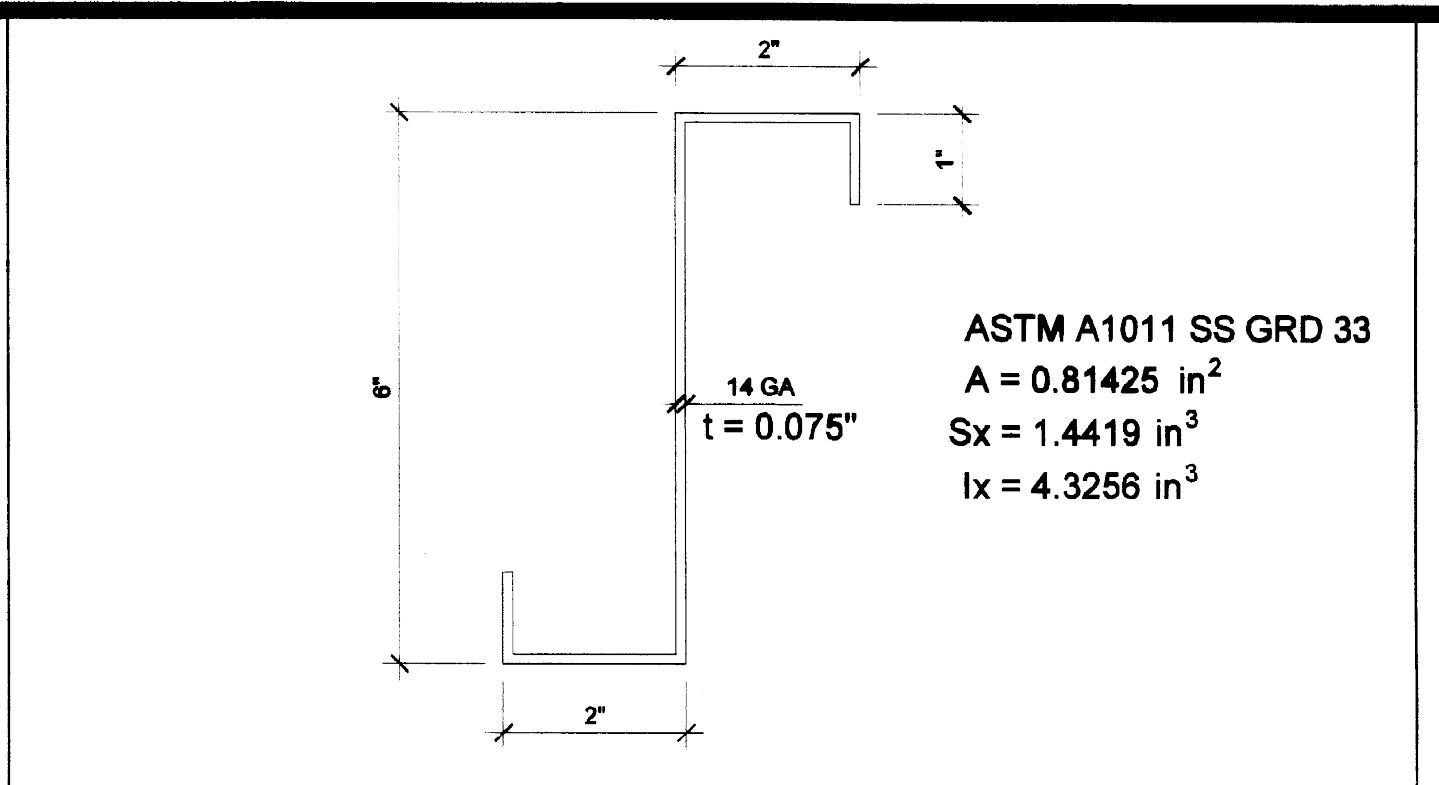
STRAP SPLICE DETAIL



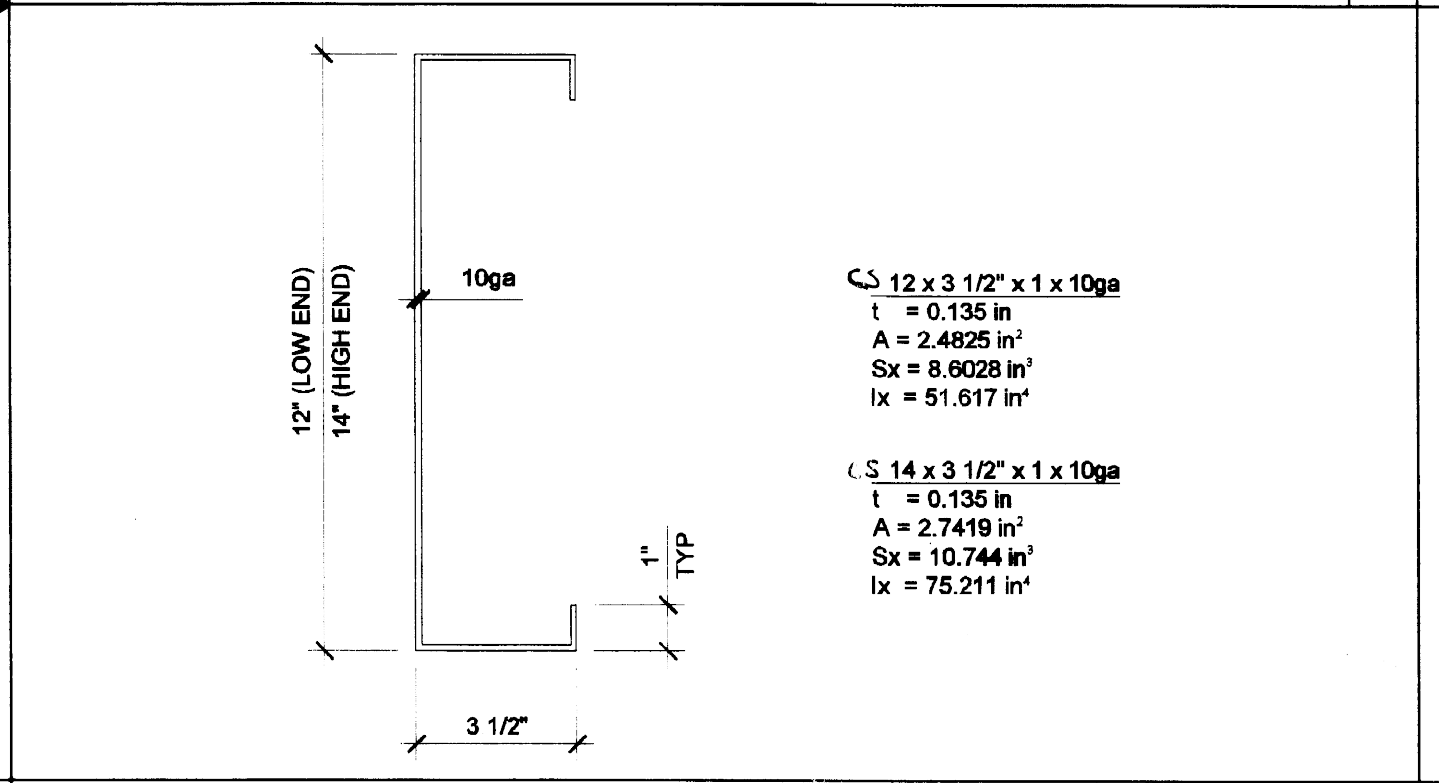
FLOOR BRACING STRAP @ SIDE WALL



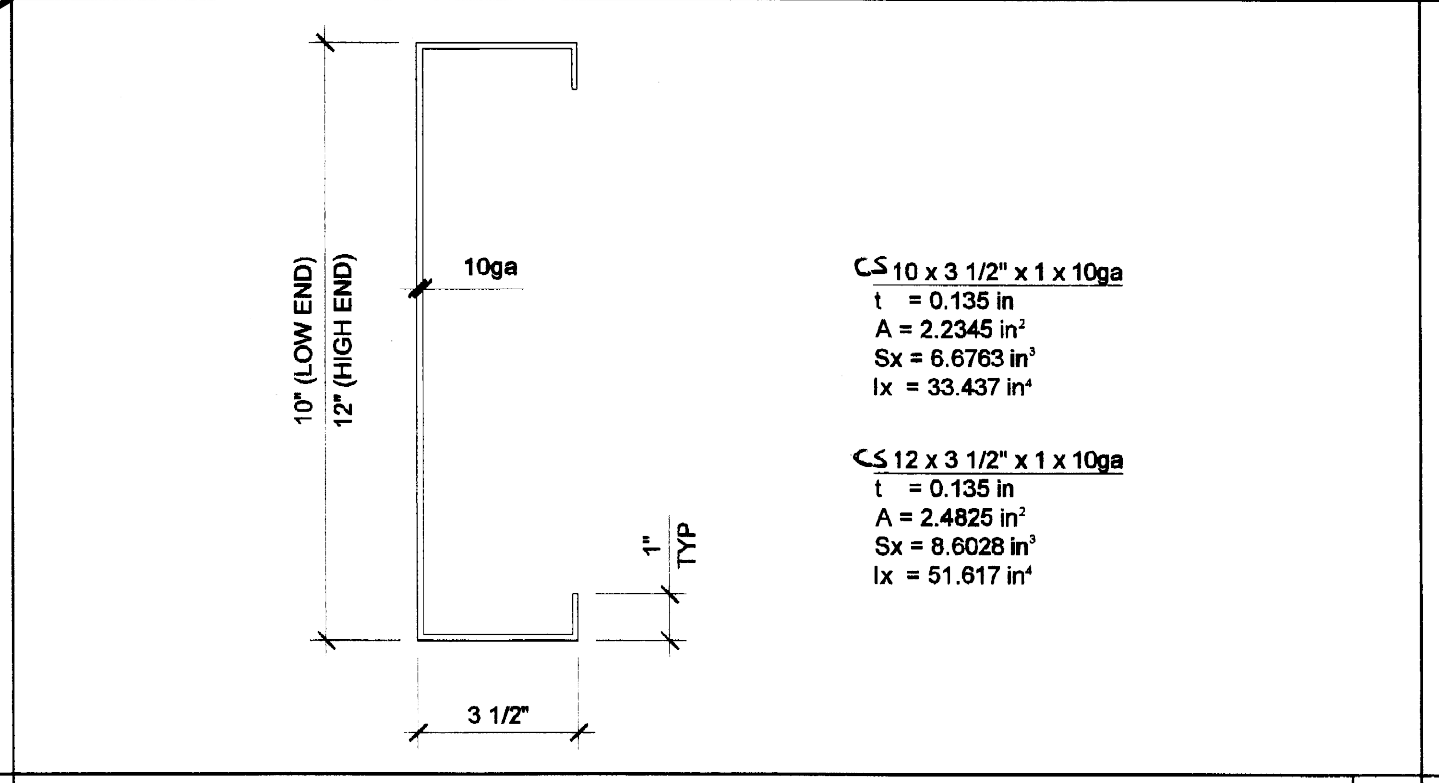
NOT USED



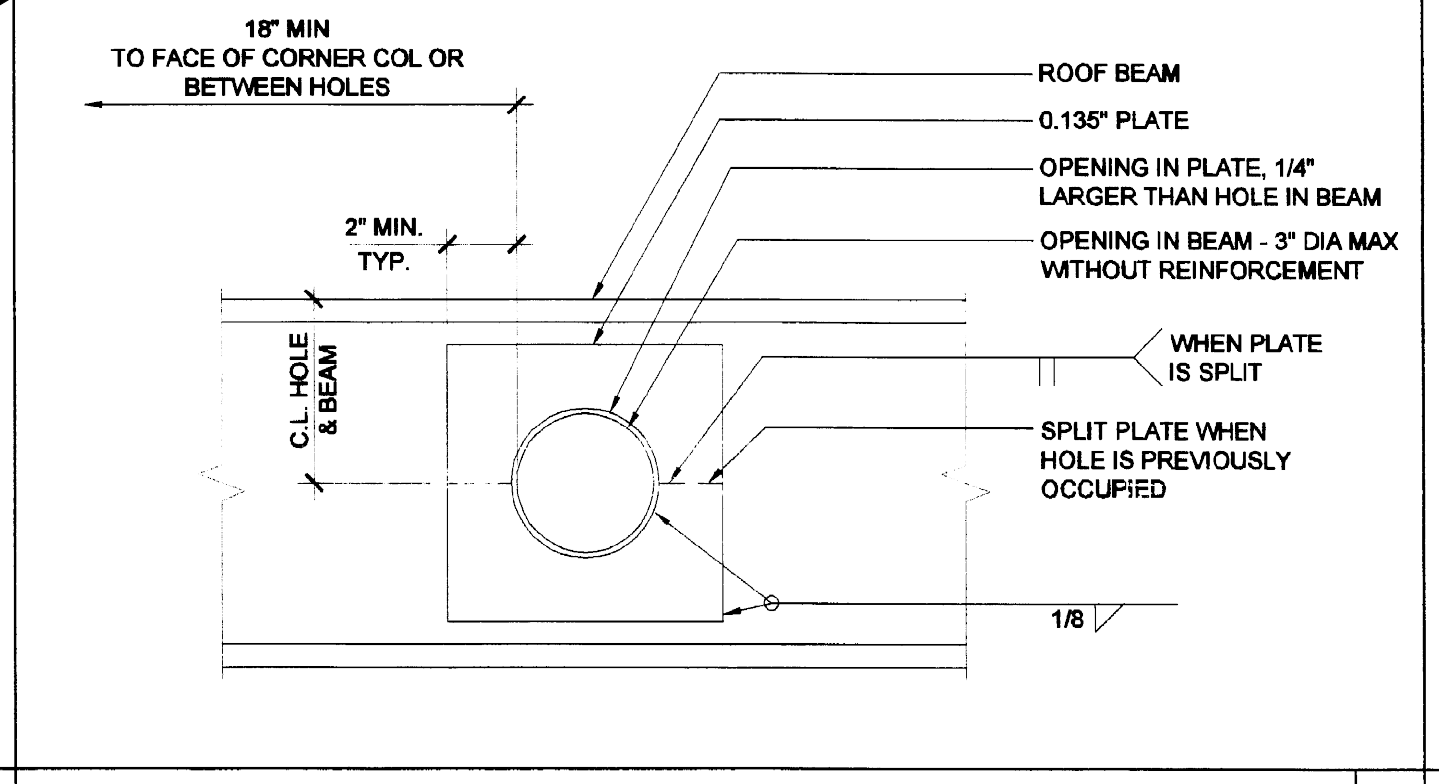
ROOF PURLIN / BLOCKING



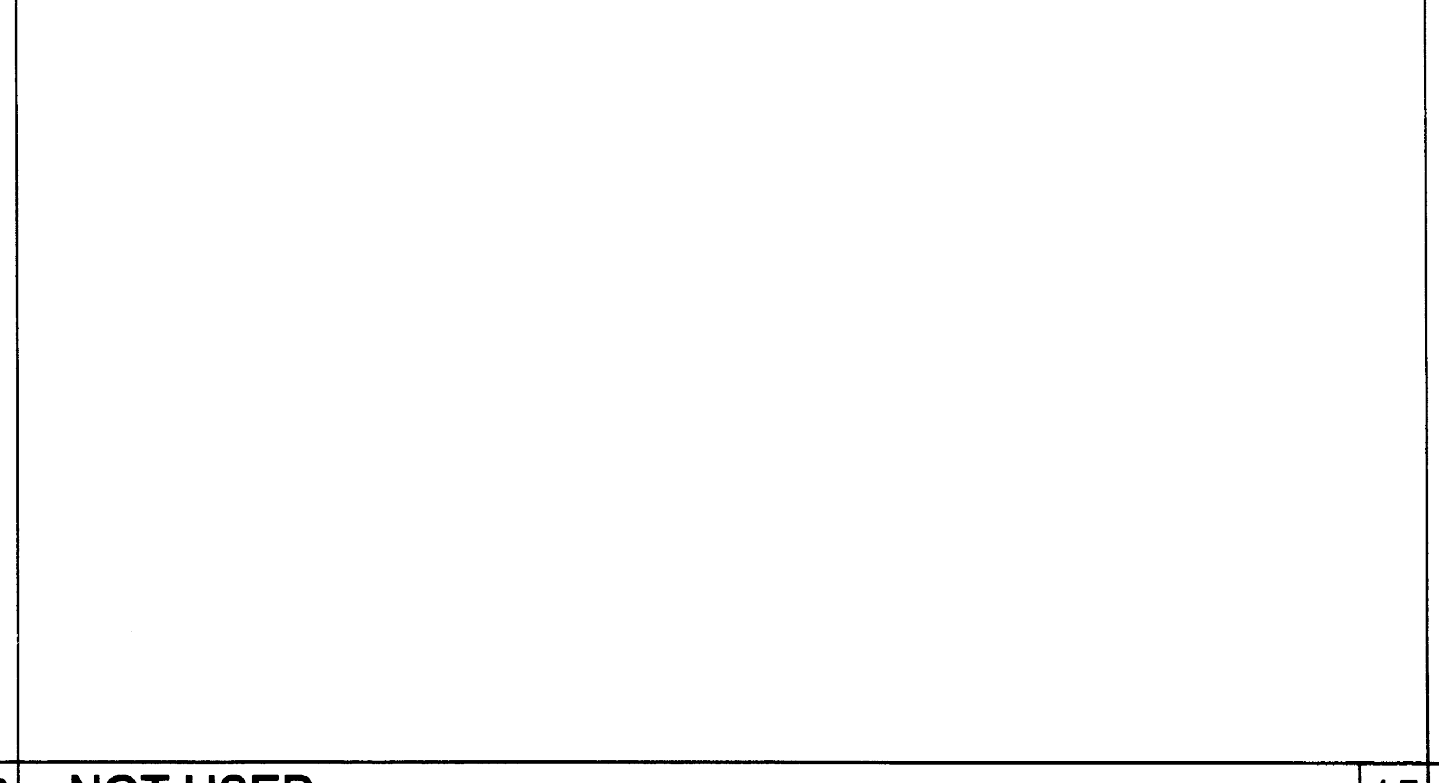
ROOF HEADER



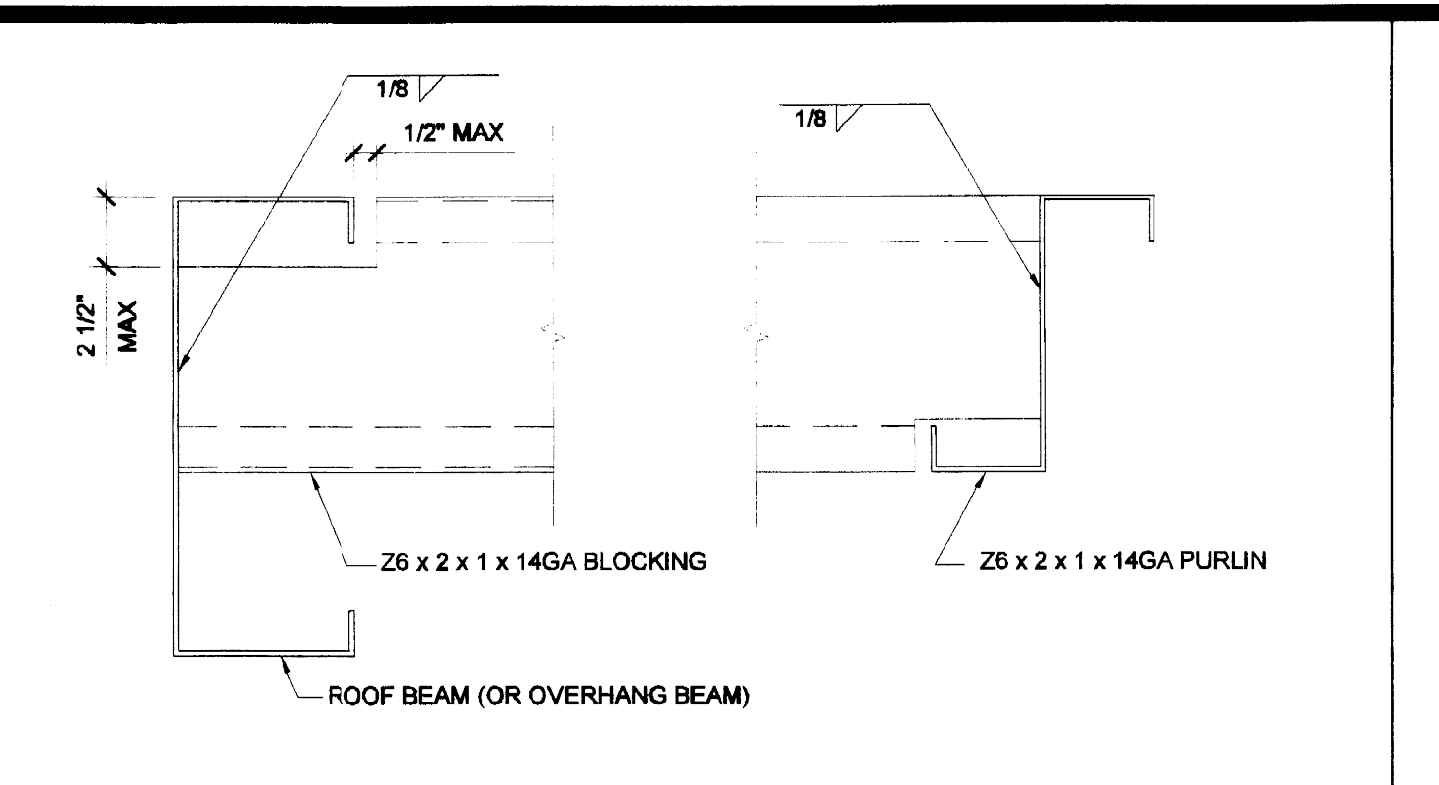
TAPERED END BEAM



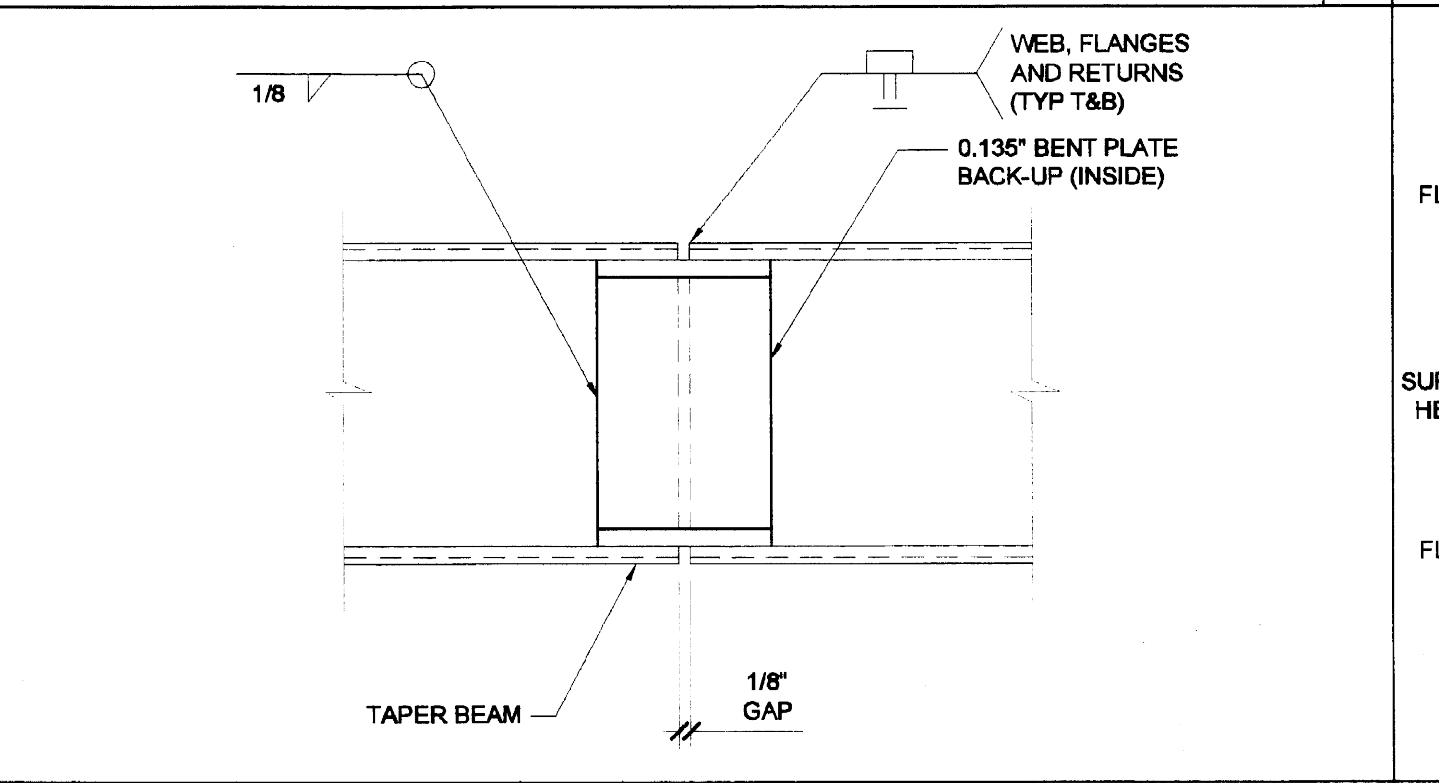
SIDEWALL BEAM PENETRATION



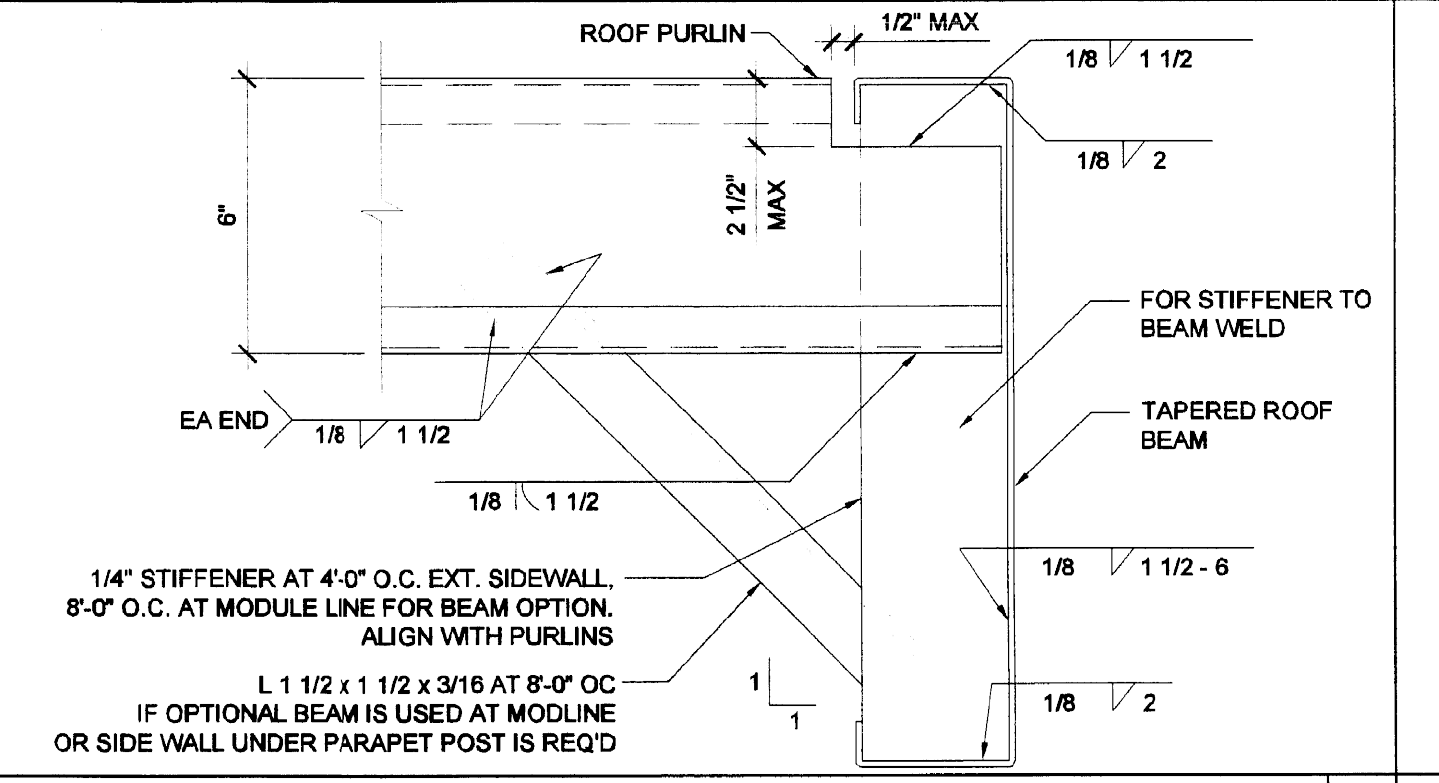
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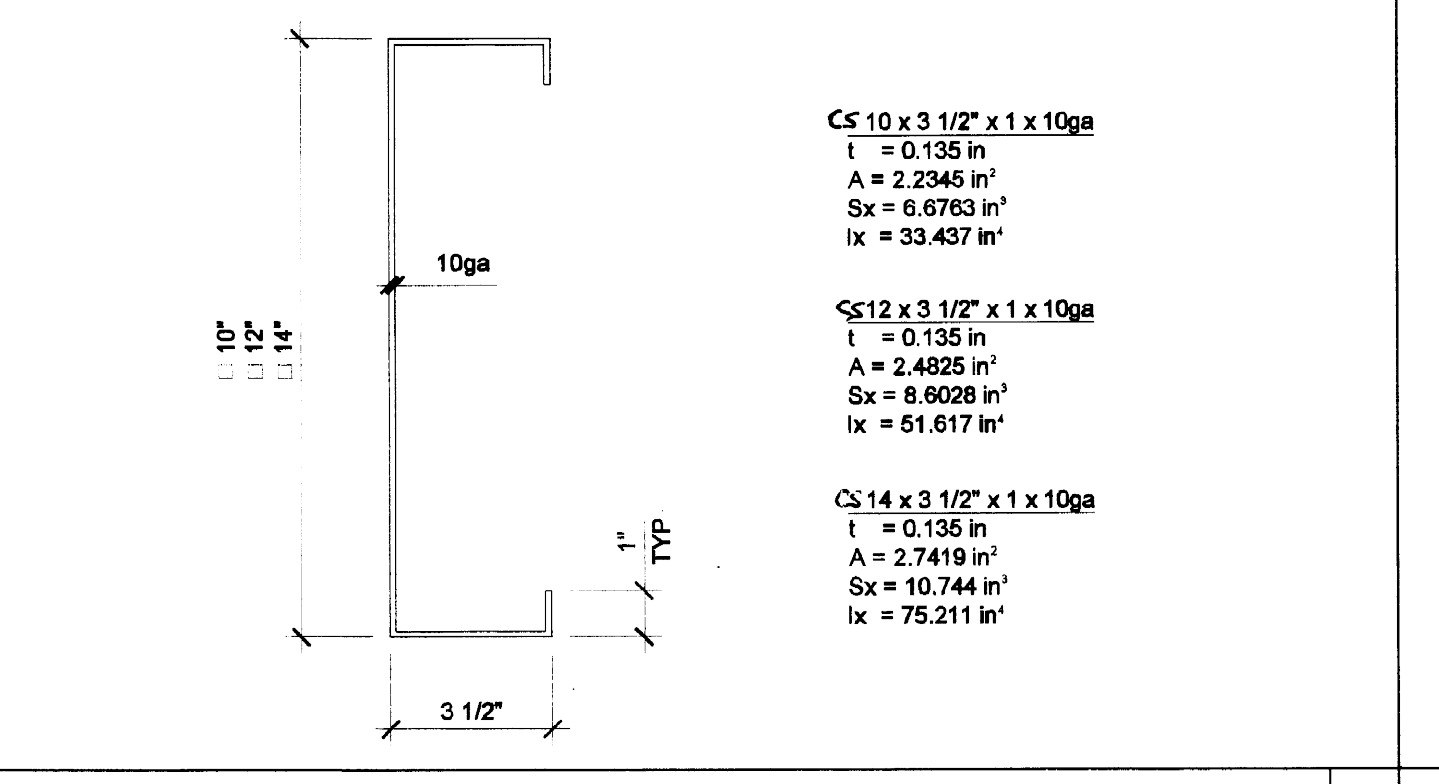
PURLIN CONNECTION DETAIL



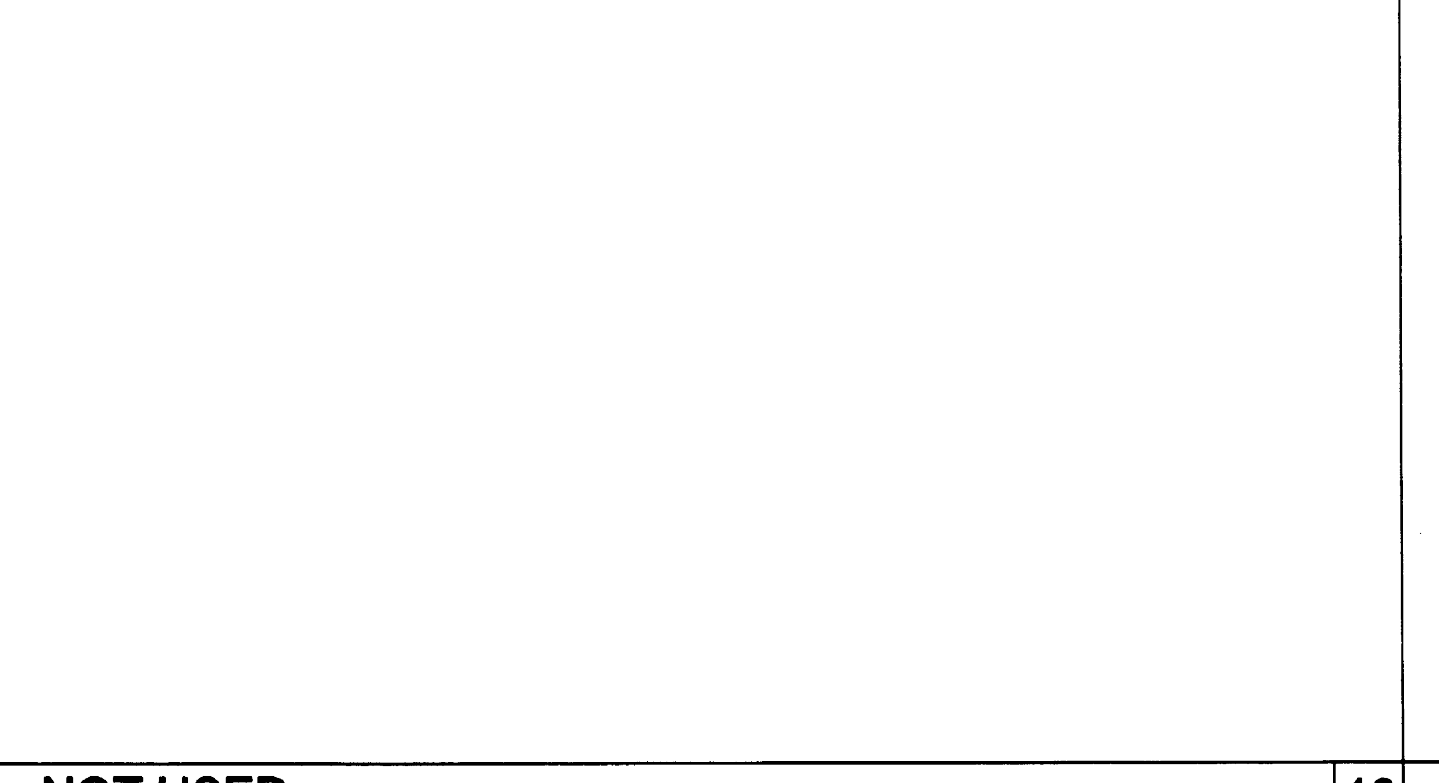
BEAM SPLICE



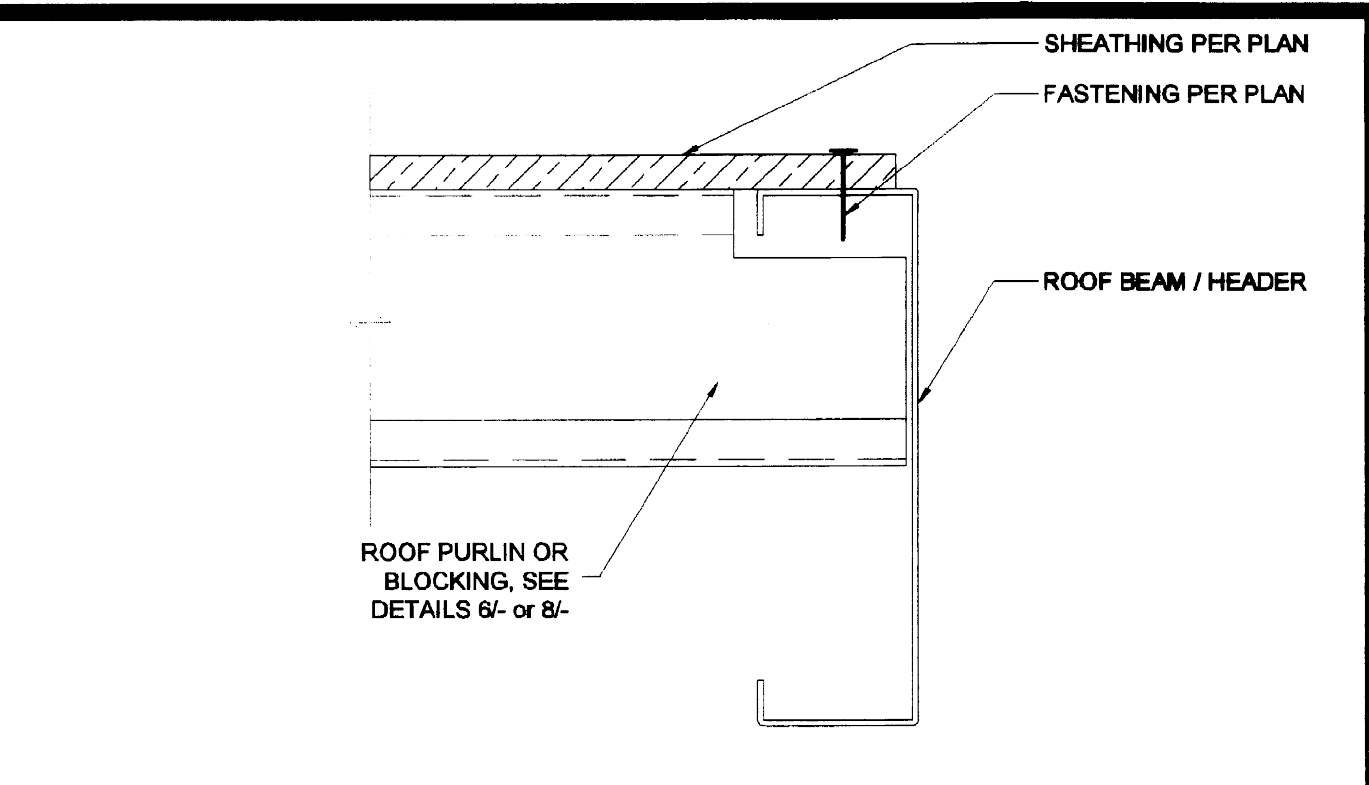
PURLIN TO ROOF BEAM @ STIFFENER



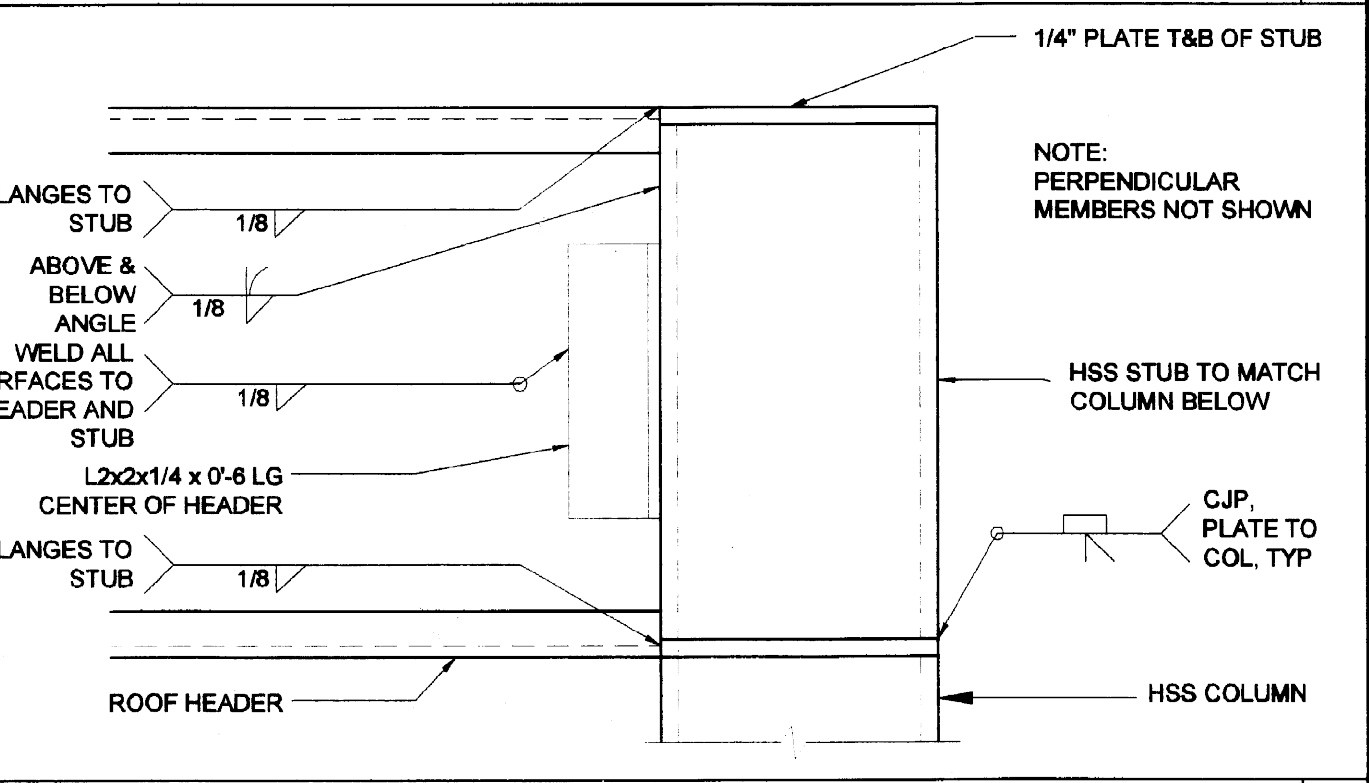
SIDE BEAM



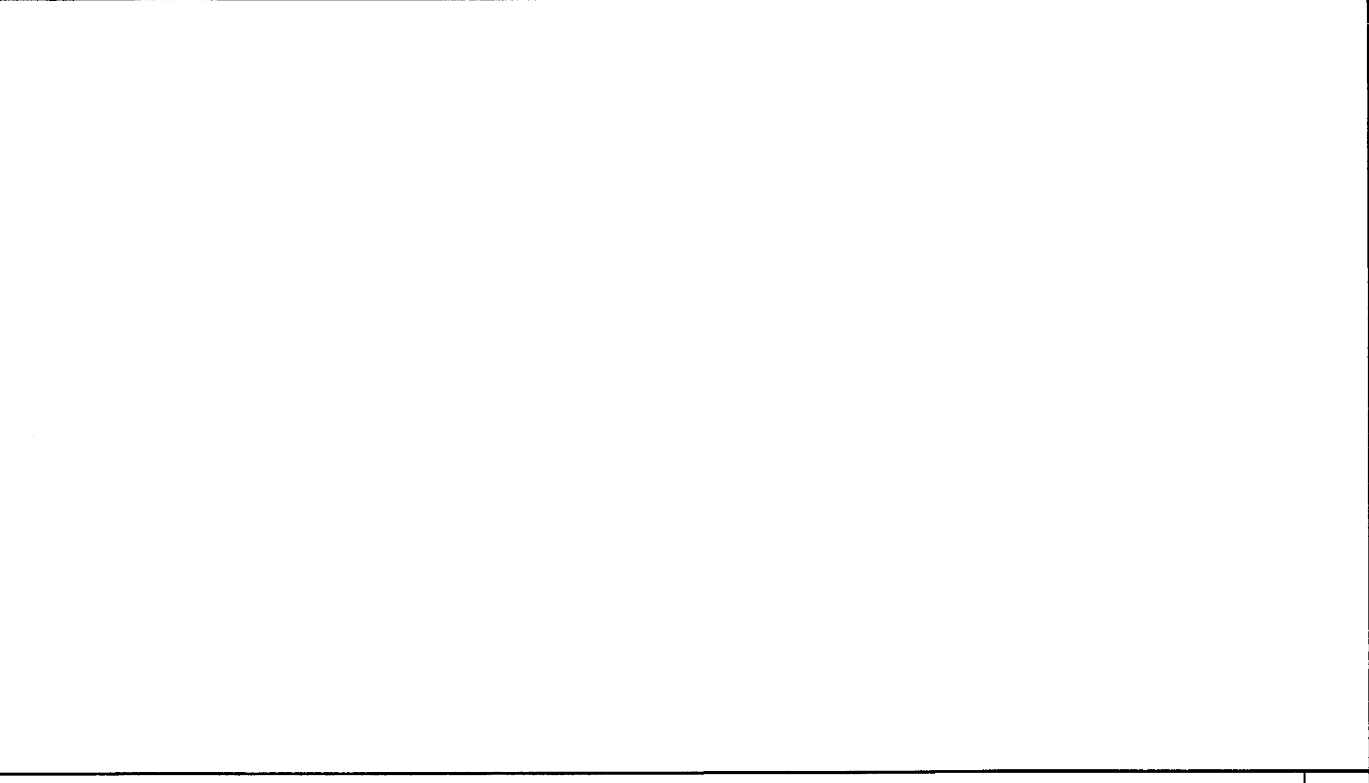
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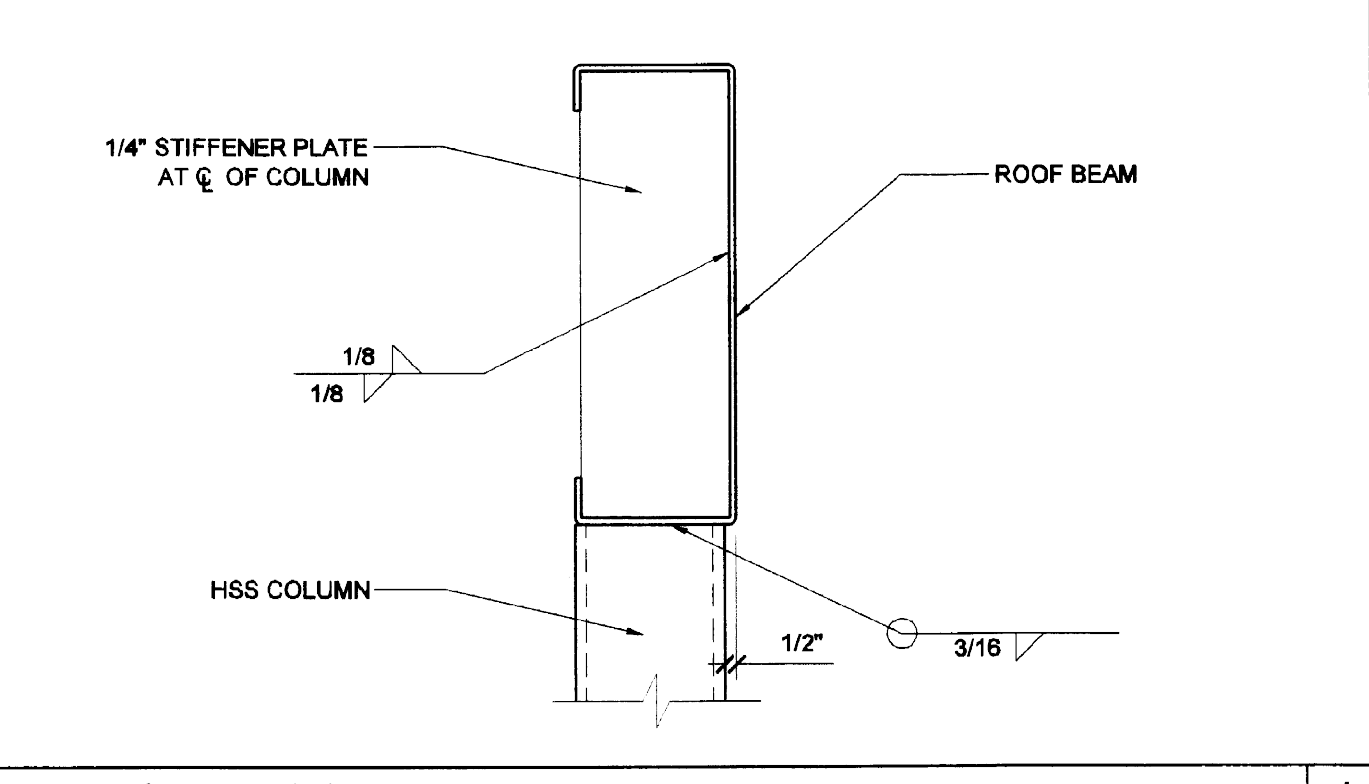
PURLIN TO ROOF BEAM



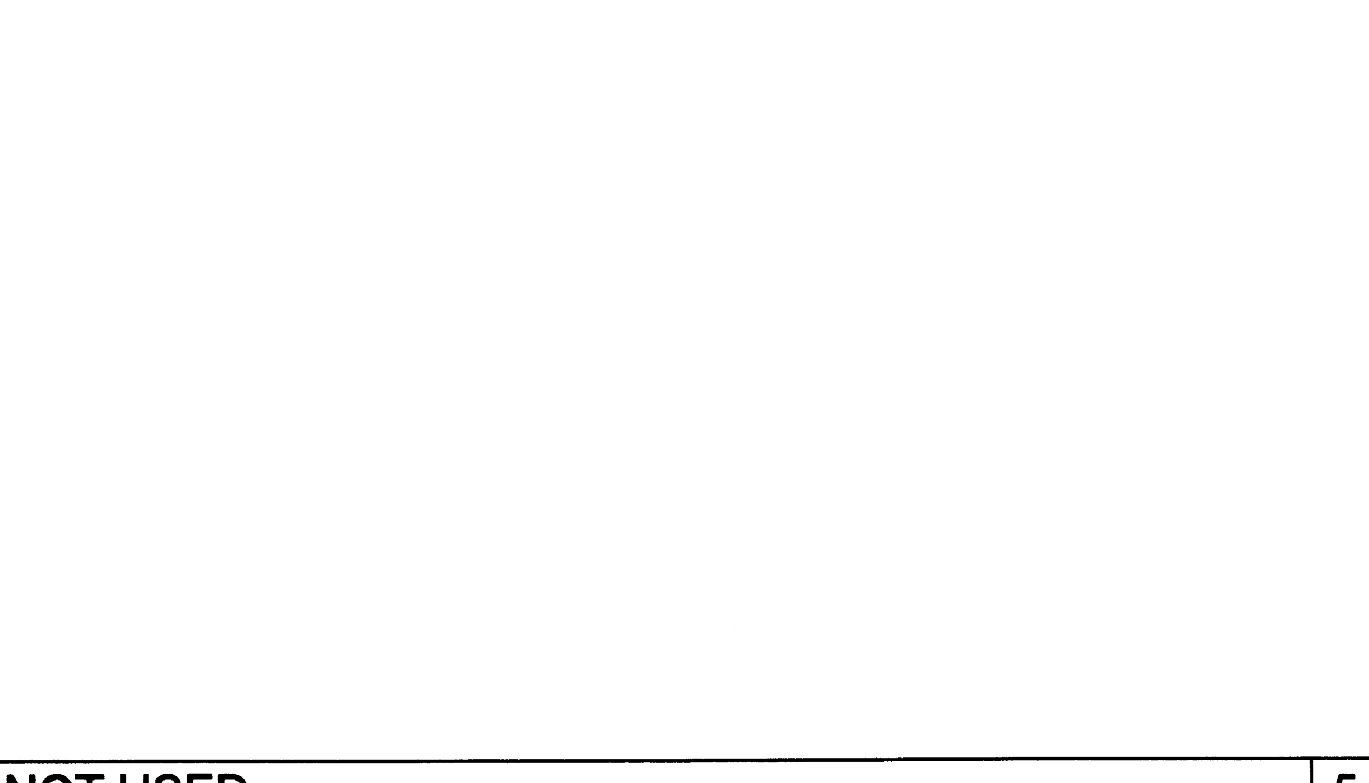
COLUMN AT ROOF - SECTION



NOT USED



MID-SPAN COLUMN



NOT USED

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SILVER CREEK INDUSTRIES, INC.

**SILVER CREEK**

2830 BARRETT AVE. PERRIS, CALIFORNIA 92571  
PHONE: 951-943-5393 FAX: 951-943-2211

PROJECT NAME:

**HUNEME ELEMENTARY**  
8'-6" x 30'-0"  
TOILET BUILDING

SHEET TITLE:

**ROOF FRAMING**  
DETAILS  
MONO SLOPE

**TAVARES ASSOCIATES**

REGISTERED ARCHITECT  
STATE OF CALIFORNIA  
C-33467  
REN 01-31-2015

REGISTERED PROFESSIONAL ENGINEER  
STATE OF CALIFORNIA  
No. S3380  
06/26/15

ARCHITECT OF RECORD

PROJECT SPECIFIC STATE AGENCY APPROVAL

ORIGINAL PC STATE AGENCY APPROVAL

IDENTIFICATION STAMP  
DIV. OF THE STATE ARCHITECT  
OFFICE OF REGULATION SERVICES  
PC 04-114148  
AC: FLS SS RRP  
DATE: JUL 16 2015

REVISIONS
1
2
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8

8'-6" RESTROOM PC (HIGH SEISMIC)

PROJECT NO:

DRAWN BY: FIL C 1" P.L.L.O

SCALE: AS NOTED

DATE: 02/04/2015

P.C. SHEET NUMBER

**S-2.50**

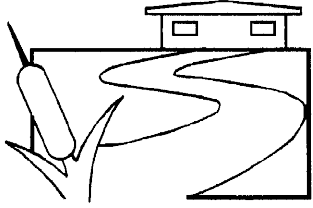
-- HIGH SEISMIC --



NOT USED	16	NOT USED	11	NOT USED	6
NOT USED	17	NOT USED	12		
NOT USED	18	NOT USED	13	NOT USED	8
NOT USED	19	NOT USED	14		
NOT USED	20	3'-6" ROOF OVERHANG	15	3'-6" ROOF OVERHANG	10

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SILVER CREEK INDUSTRIES, INC.



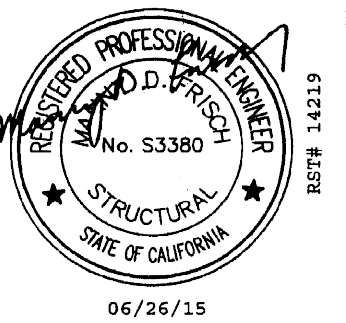
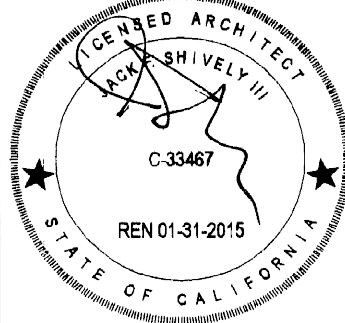
"BUILDING FOR THE NEXT GENERATION"

SILVER CREEK

2830 BARRETT AVE. PERRIS, CALIFORNIA 92571  
PHONE: 951-943-5393 FAX: 951-943-2211

PROJECT NAME:  
  
HUNEME ELEMENTARY  
8'-6" x 30'-0"  
TOILET BUILDING

SHEET TITLE:  
  
ROOF FRAMING  
DETAILS



ARCHITECT OF RECORD

PROJECT SPECIFIC STATE AGENCY APPROVAL

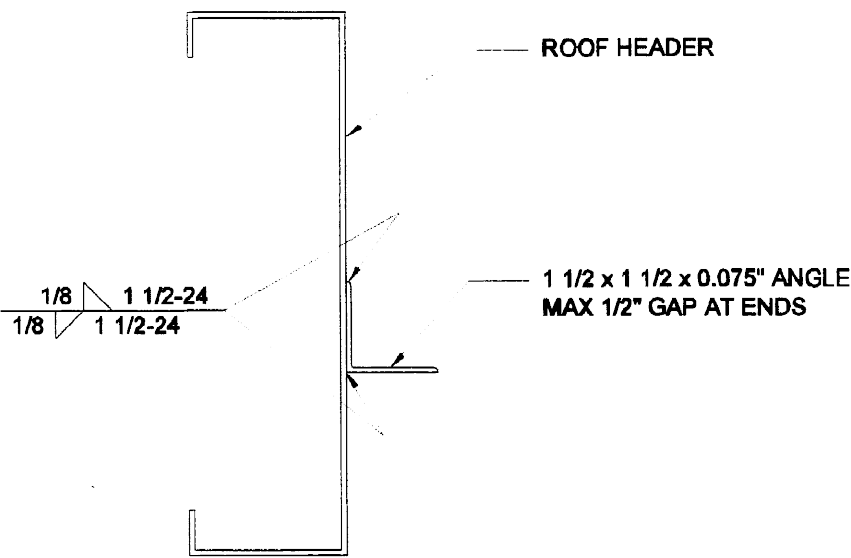
PRE-CHECK PRO DOCUMENT  
CODE 2010 CBC  
A SEPARATE PROJECT APPLICATION  
FOR CONSTRUCTION IS REQUIRED

IDENTIFICATION STAMP  
DIV. OF THE STATE ARCHITECT  
OFFICE OF REGULATION SERVICES  
PC 04-114148  
AC: \_\_\_\_\_ FL: \_\_\_\_\_ SS: Rpf  
DATE: JUL 16 2015

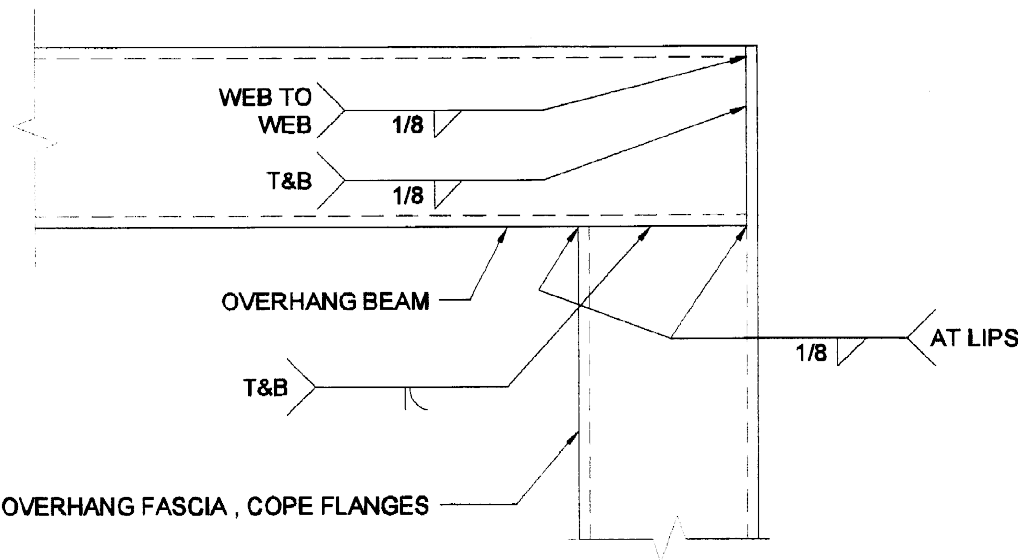
REVISIONS

8'-6" RESTROOM PC (HIGH SEISMIC)

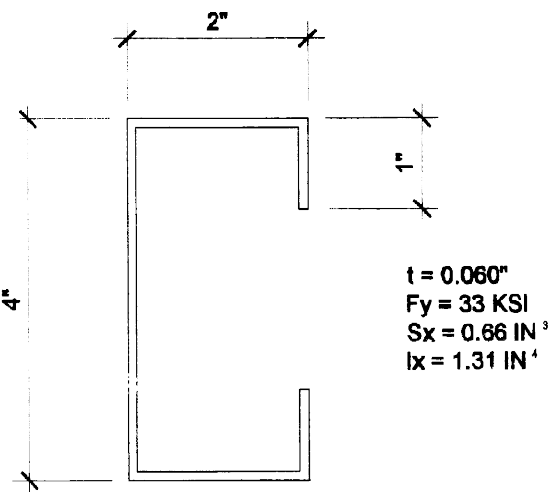
PROJECT NO:  
DRAWN BY: FIL CARRILLO  
SCALE: AS NOTED  
DATE: 02/04/2015  
P.C. SHEET NUMBER  
**S-2.60**  
-- HIGH SEISMIC --



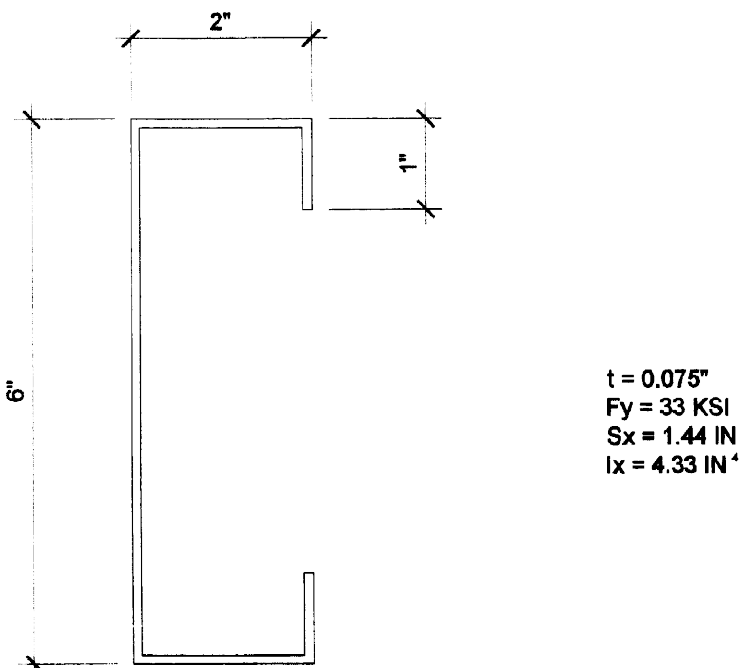
SOFFIT ANGLE TO BEAM CONNECTION SCALE : 3"=1'-0" 2



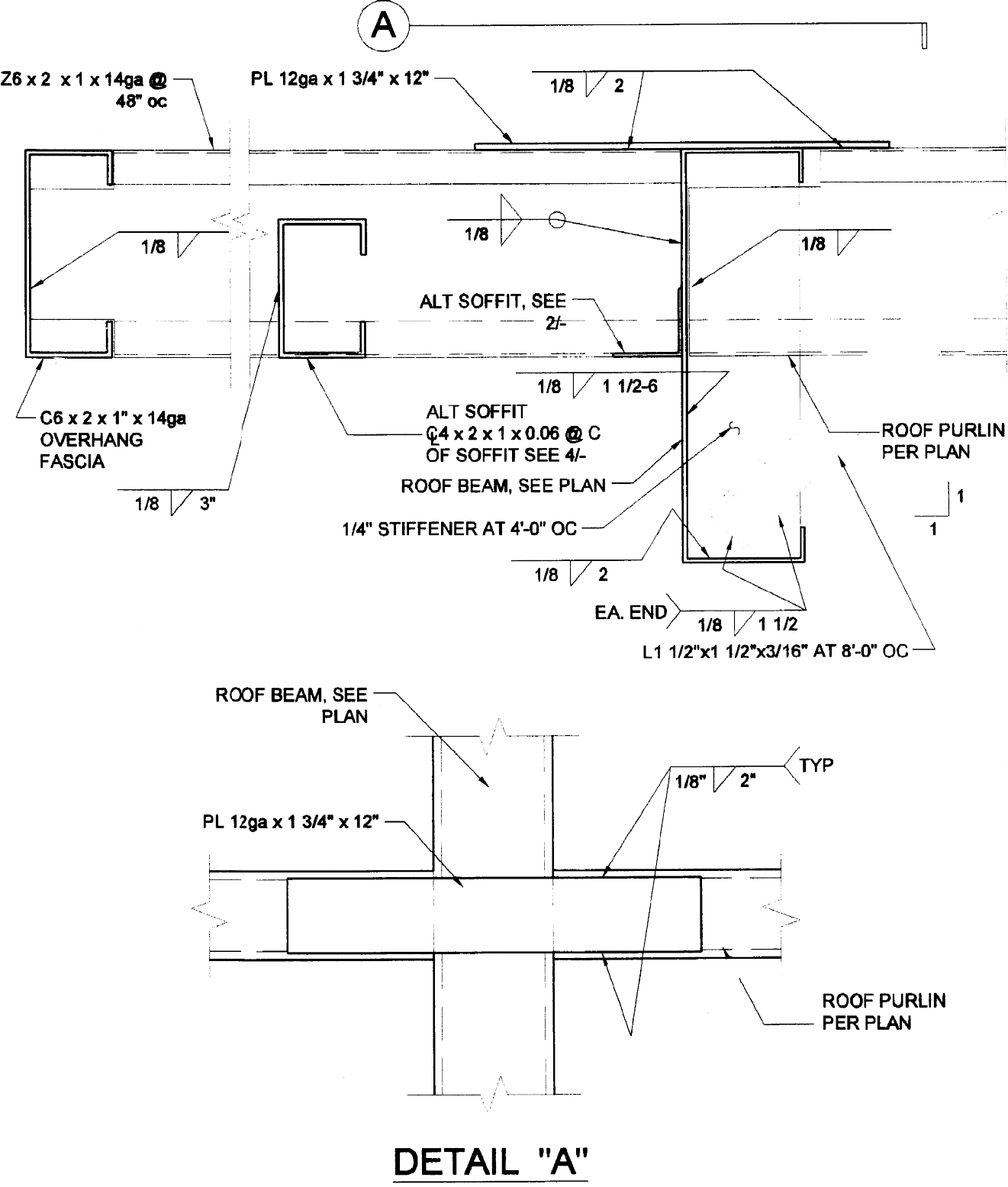
OVERHANG FASCIA TO BEAM CONNECTION SCALE : 6"=1'-0" 3



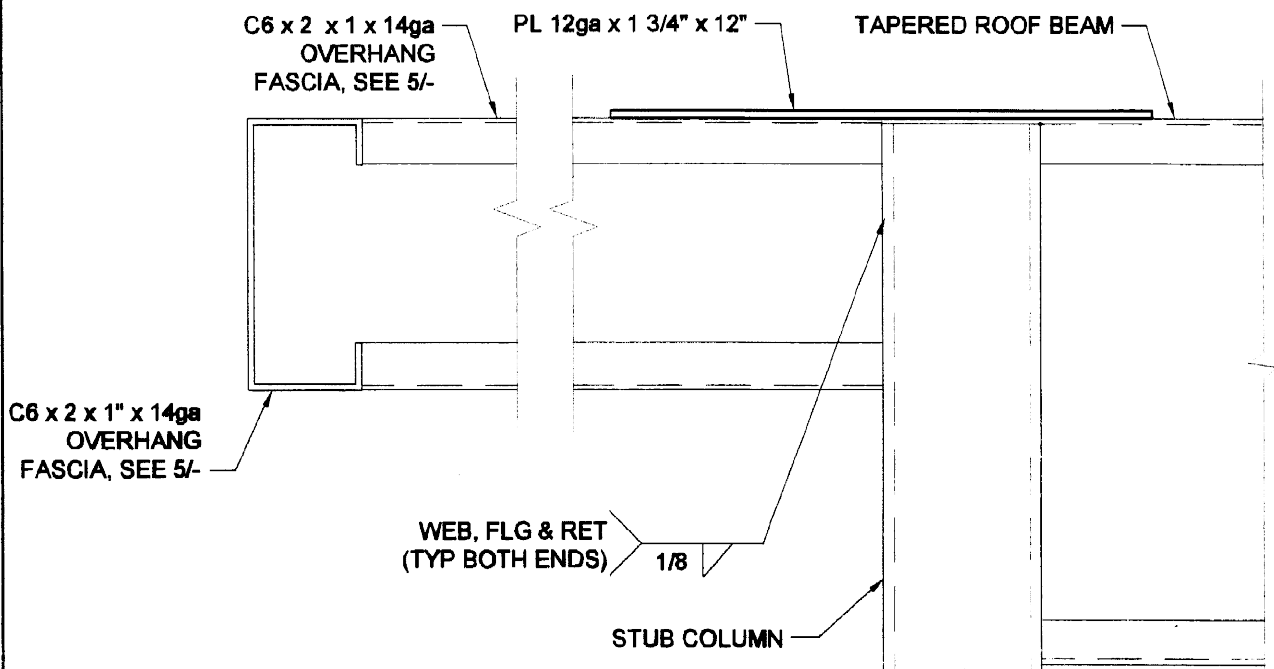
SOFFIT JOIST SCALE : 6"=1'-0" 4



OVERHANG BEAM SCALE : 6"=1'-0" 5

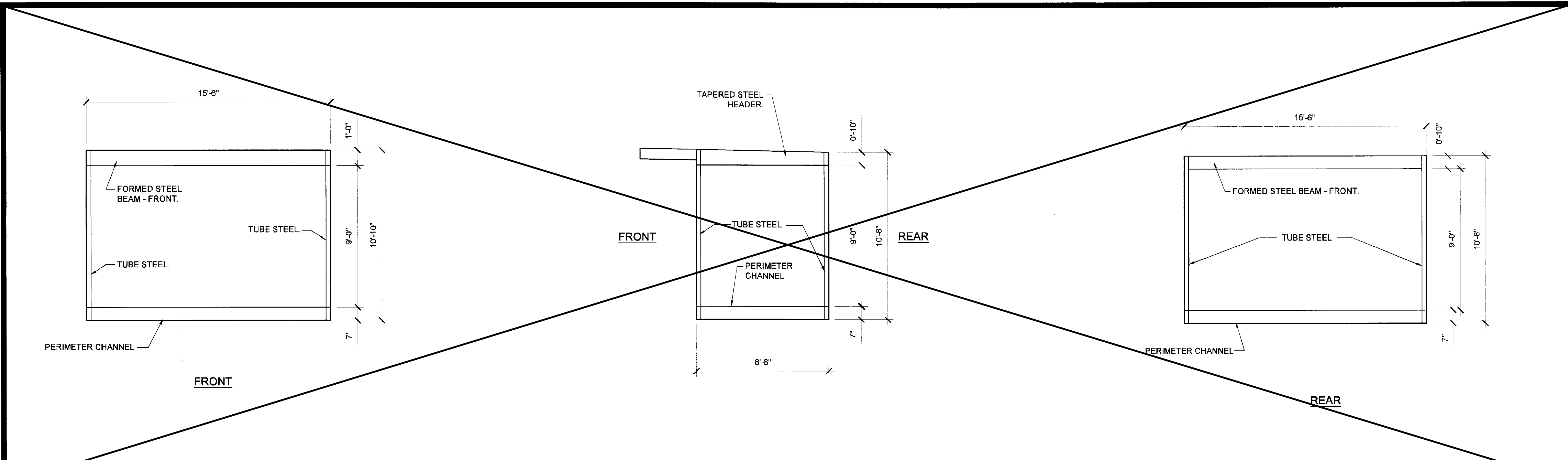


DETAIL "A"

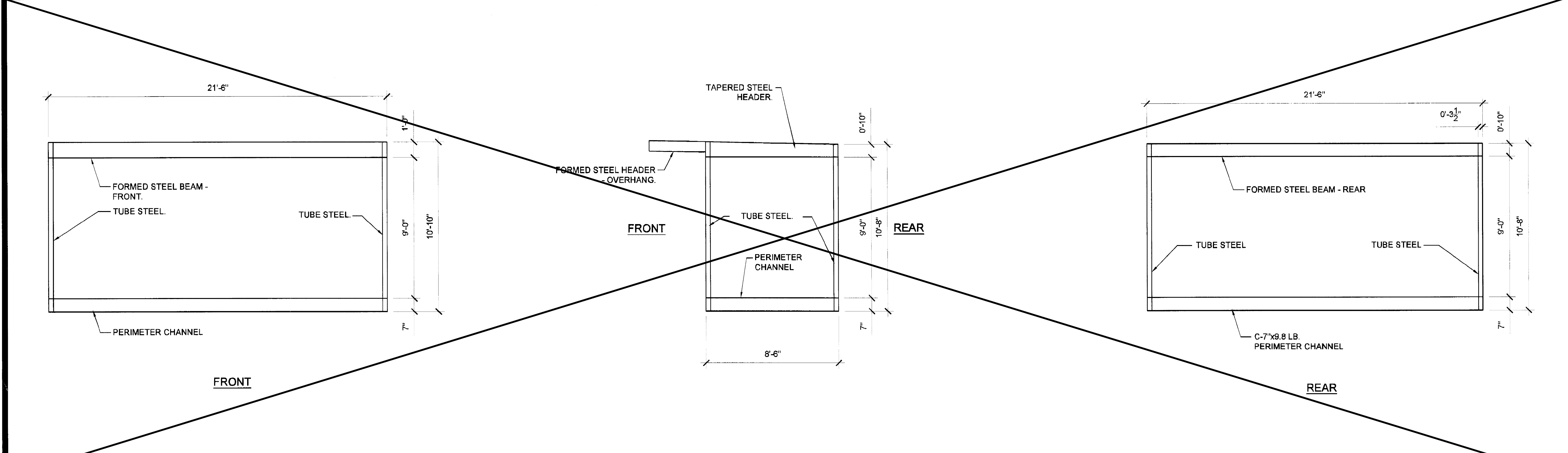


3'-6" ROOF OVERHANG SCALE : 3"=1'-0" 15

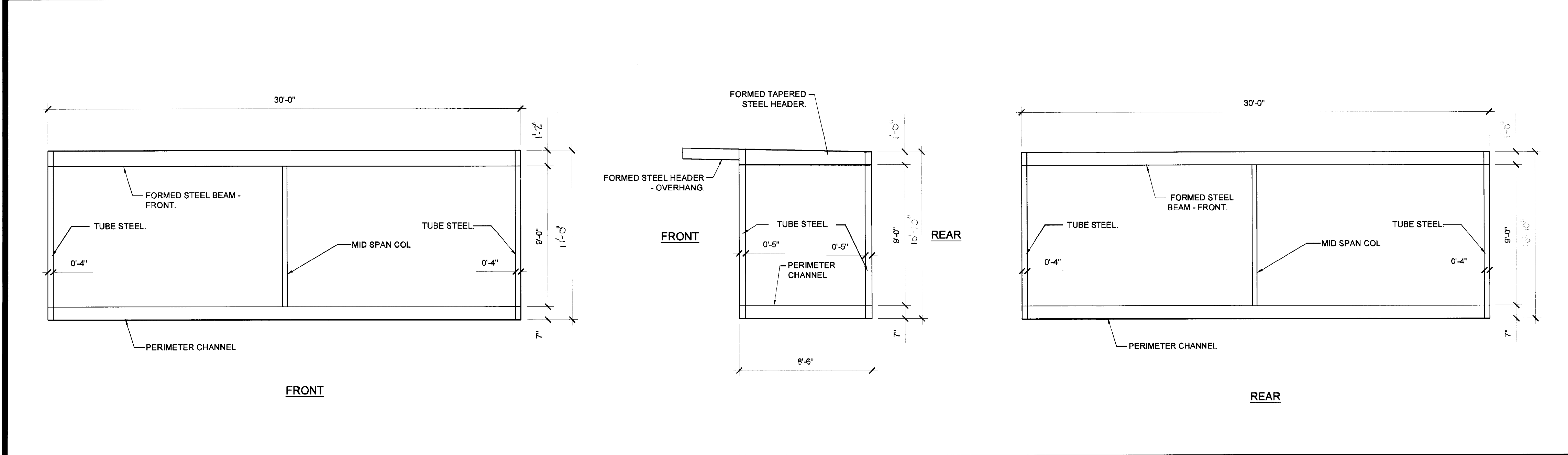




BUILDING SECTION (8'-6"x15'-6") SCALE: 1/2" = 1'-0" 1



BUILDING SECTION (8'-6"x21'-6") SCALE: 1/2" = 1'-0" 2



BUILDING SECTION (8'-6"x30'-0") SCALE: 1/2" = 1'-0" 2

NOTES

1. ALL INFORMATION SUCH AS DETAILS, SECTIONS, CONNECTIONS, AND MATERIAL ATTACHMENT SHALL BE REFERENCED FROM OTHER SHEETS WITHIN THIS SET WHERE IT APPLIES.

FLOOR CONSTRUCTION

WOOD FLOOR

HSS COLUMN SCHEDULE

COL HT	8'-6" x 15'-6" BLDG	8'-6" x 21'-6" BLDG	8'-6" x 30'-0" BLDG
9'-0"	<input type="checkbox"/> HSS 3.5 x 3.5 x 1/4	<input type="checkbox"/> HSS 4 x 4 x 1/4	<input checked="" type="checkbox"/> HSS 5 x 4 x 1/4
			<input checked="" type="checkbox"/> MID-SPAN COL. HSS 3 x 3 x 3/16

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SILVER CREEK INDUSTRIES, INC.

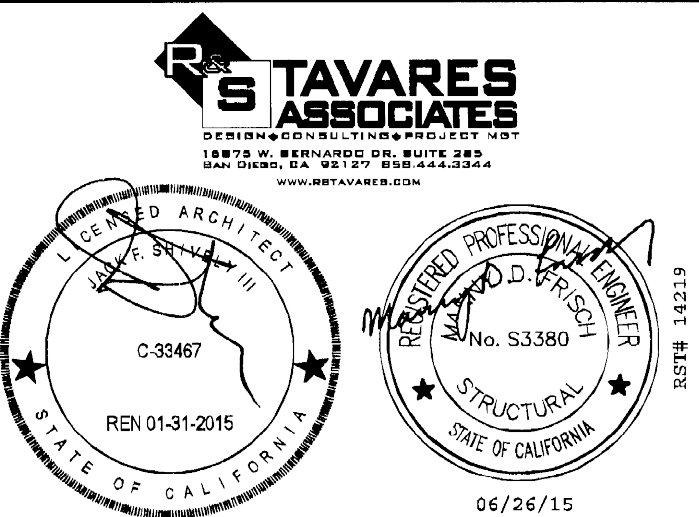


PROJECT NAME:

HUNEME ELEMENTARY  
8'-6" x 30'-0"  
TOILET BUILDING

SHEET TITLE:

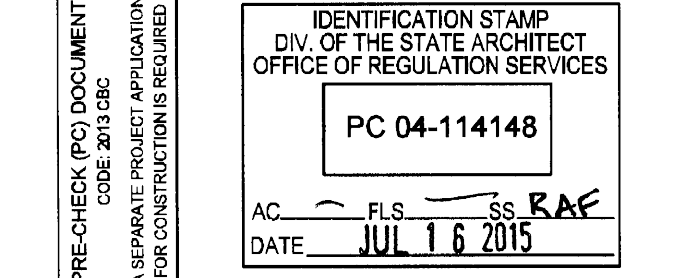
BUILDING SECTIONS



ARCHITECT OF RECORD

PROJECT SPECIFIC STATE AGENCY APPROVAL

ORIGINAL PC STATE AGENCY APPROVAL



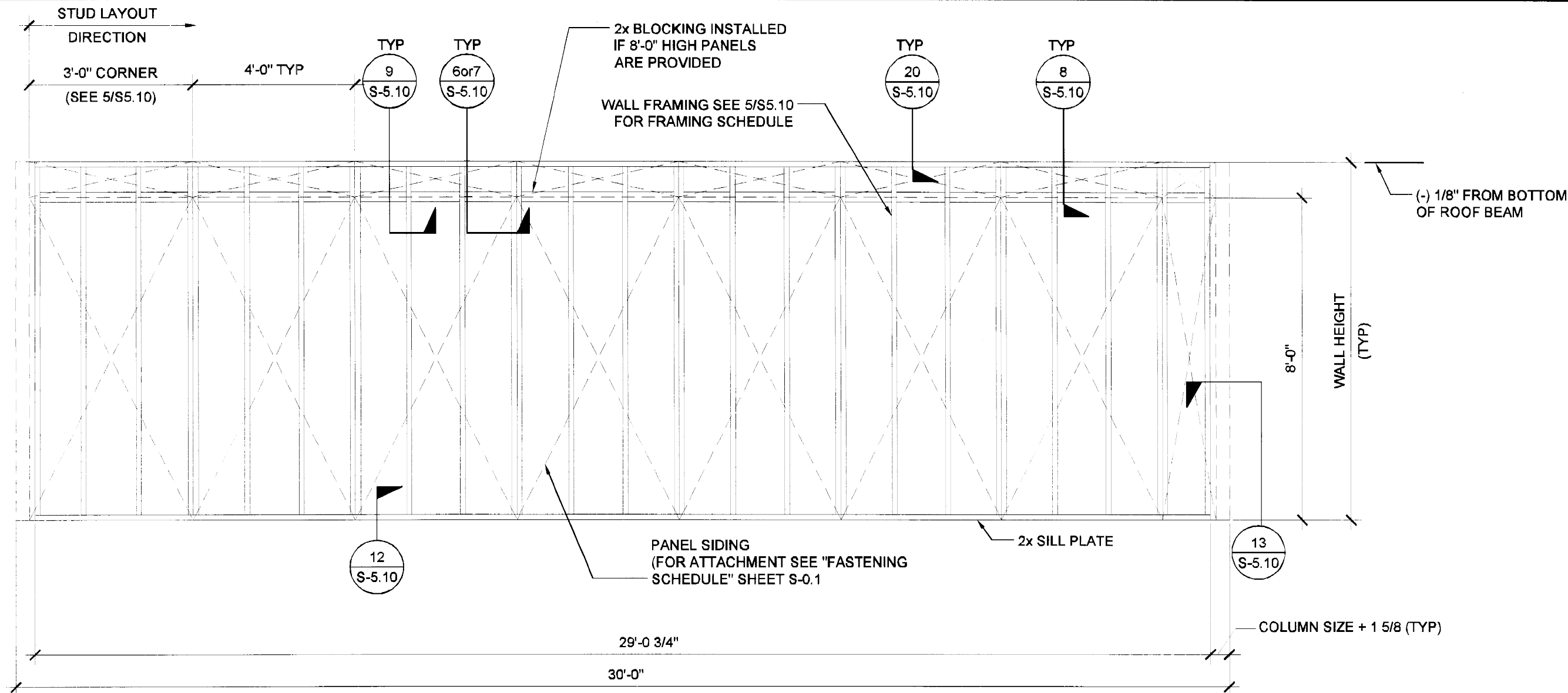
REVISIONS

8'-6" RESTROOM PC (HIGH SEISMIC)

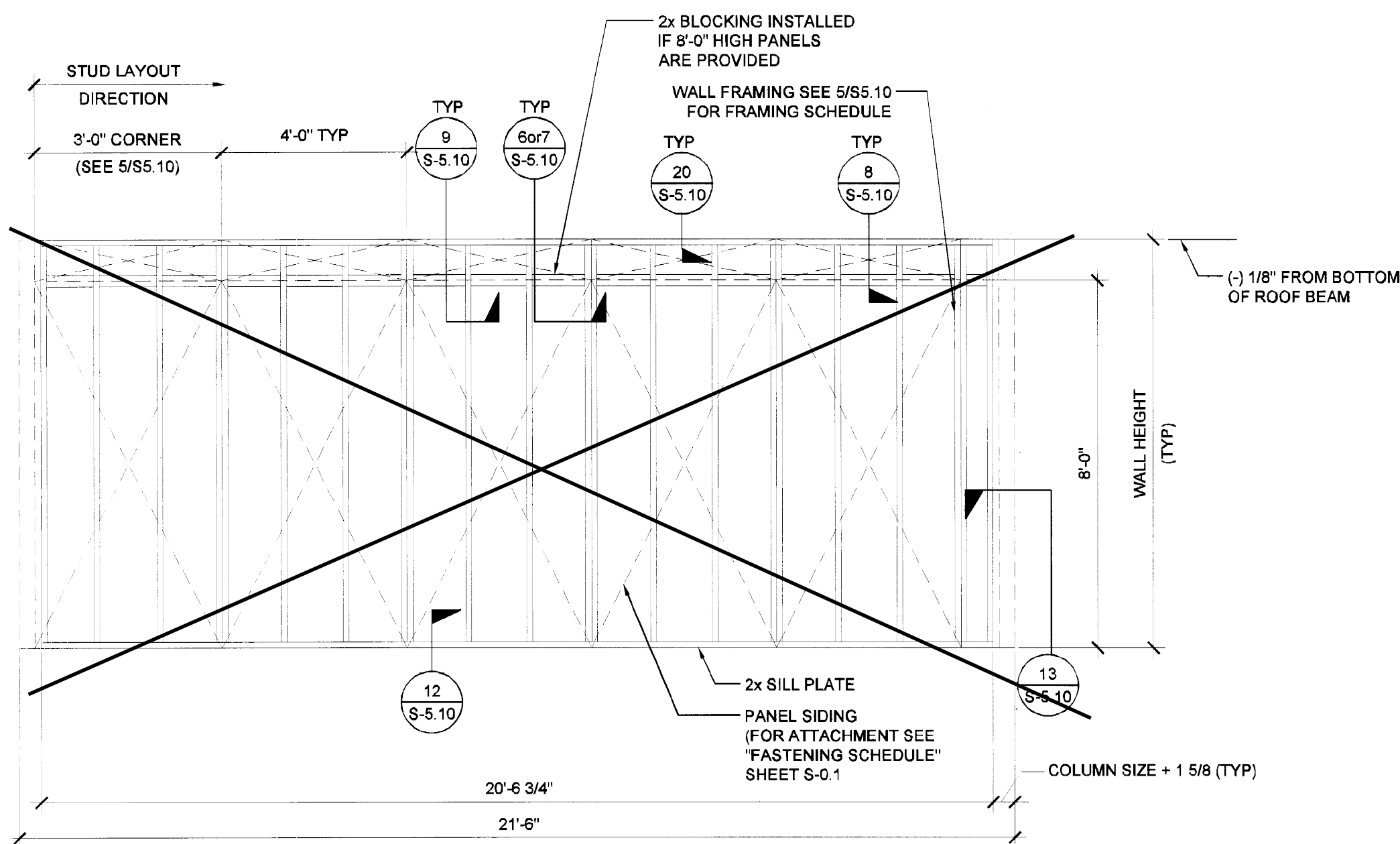
PROJECT NO:  
DRAWN BY: FIL CARRILLO  
SCALE: AS NOTED  
DATE: 02/04/2015

P.C. SHEET NUMBER  
**S-3.03**  
-- HIGH SEISMIC --

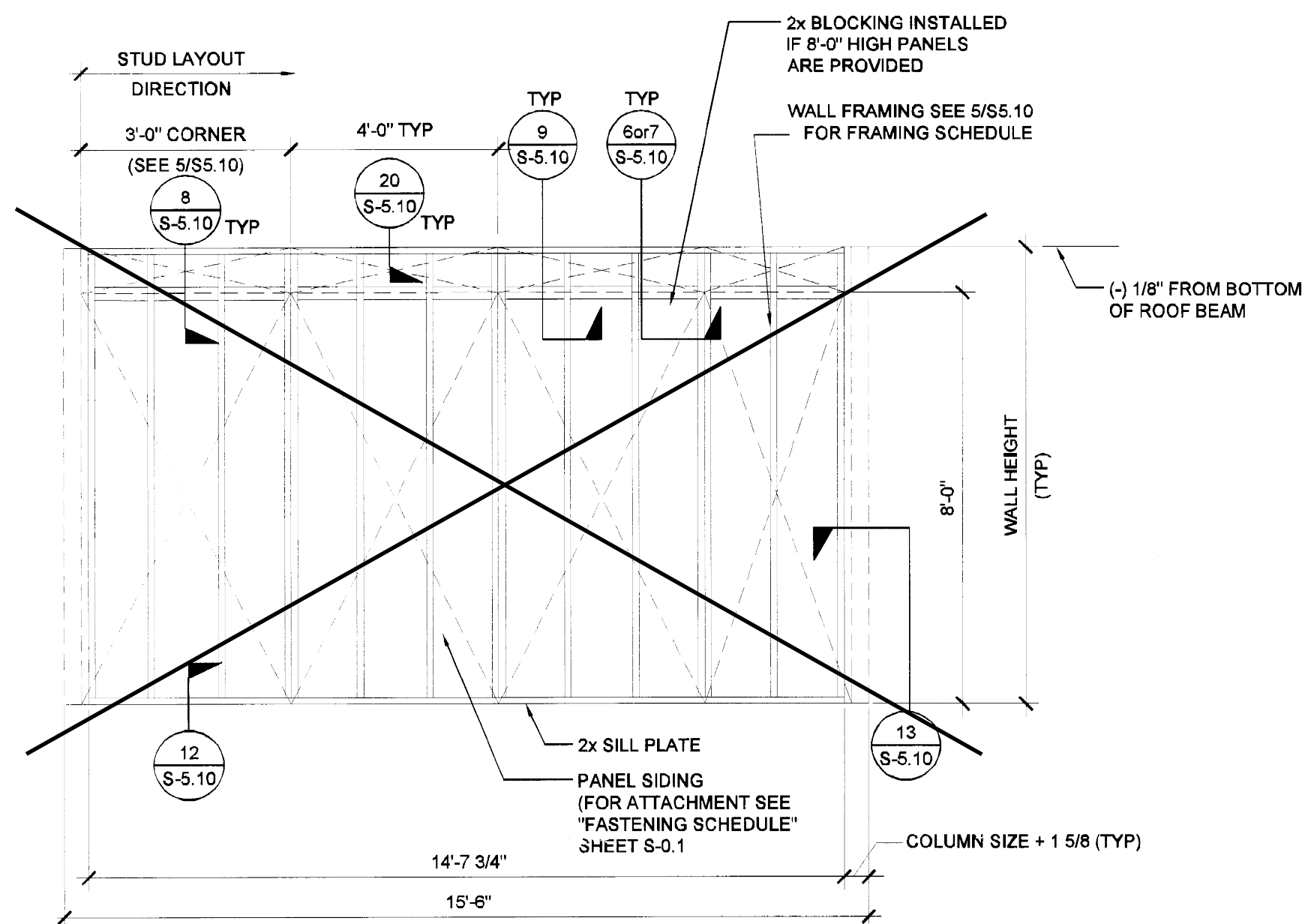




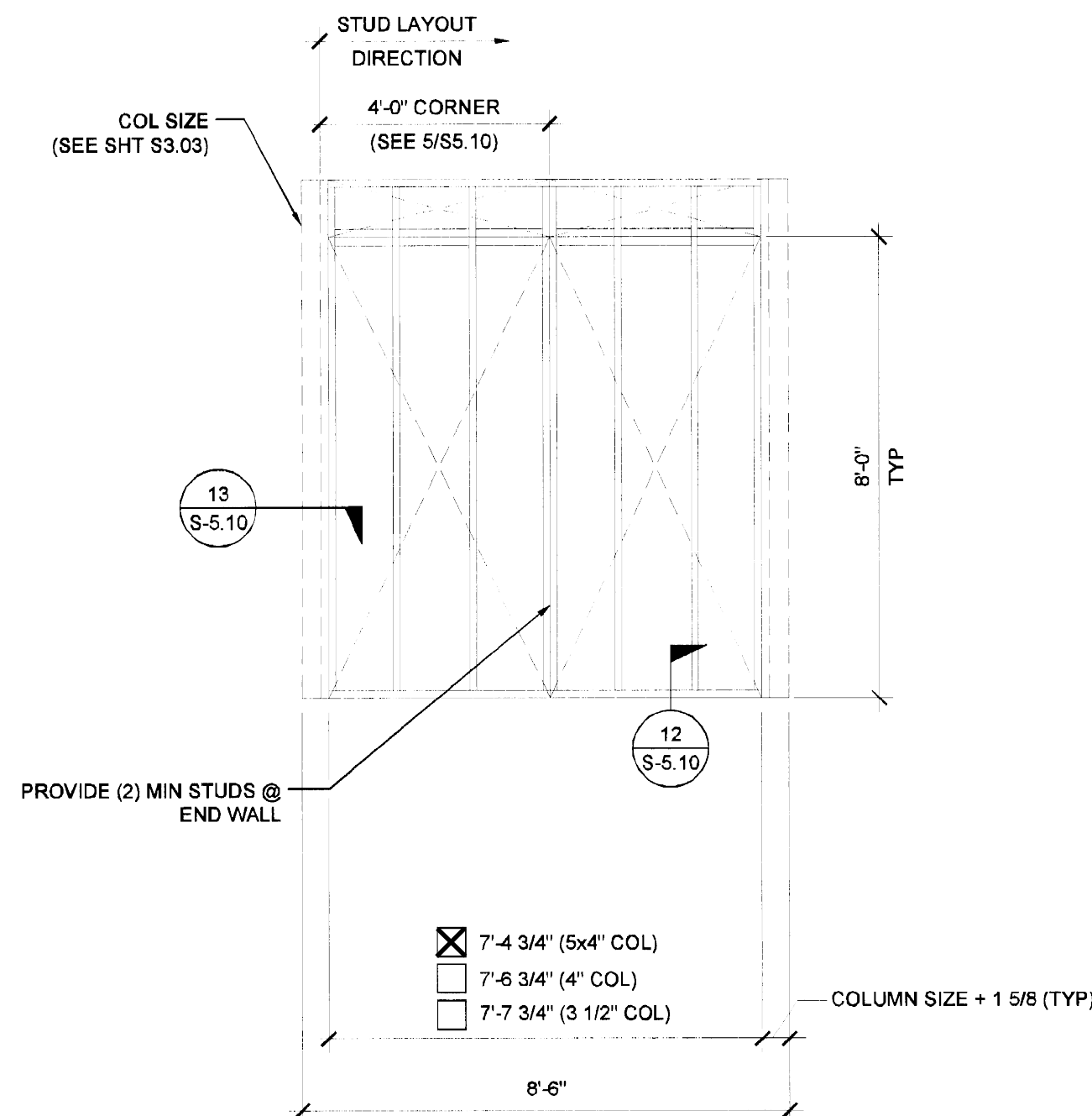
30' TYPICAL SIDE WALL



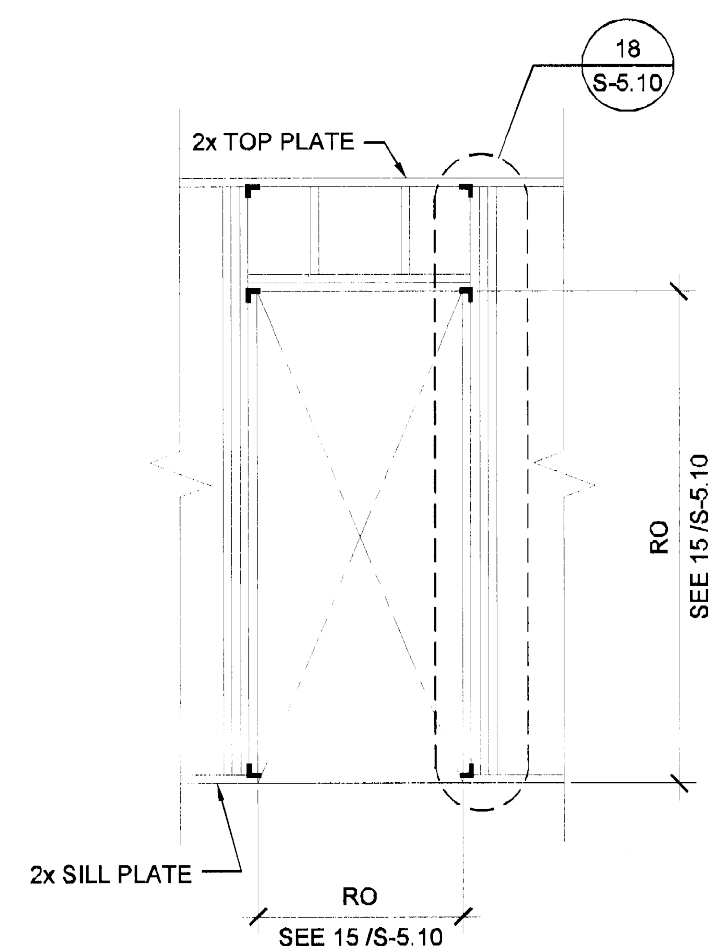
21'-6" TYPICAL SIDE WALL



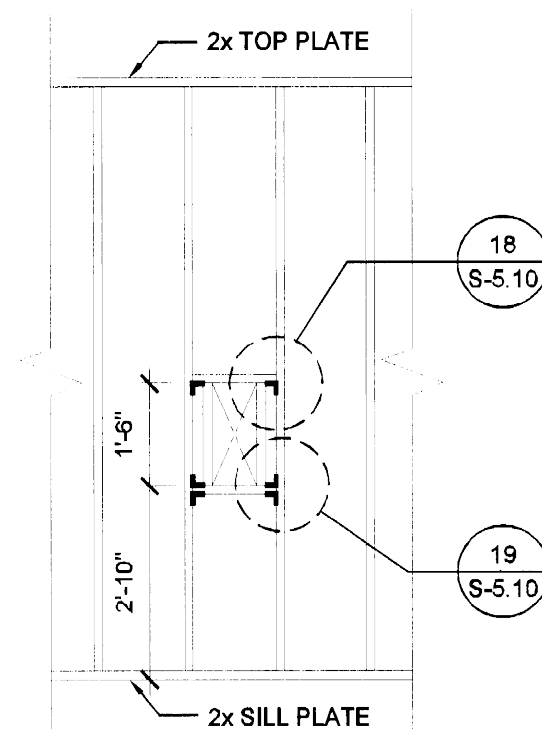
15'-6" TYPICAL SIDE WALL



TYPICAL END WALL



TYPICAL DOOR



FIRE EXTINGUISHER CABINET BLOCKOUT

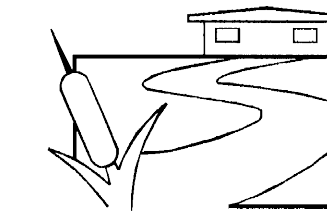
## NOTES

### WALL HEIGHT SCHEDULE

COLUMN HEIGHT	9'-0"
WOOD FLOOR	8'-10 3/4"

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**SILVER CREEK**

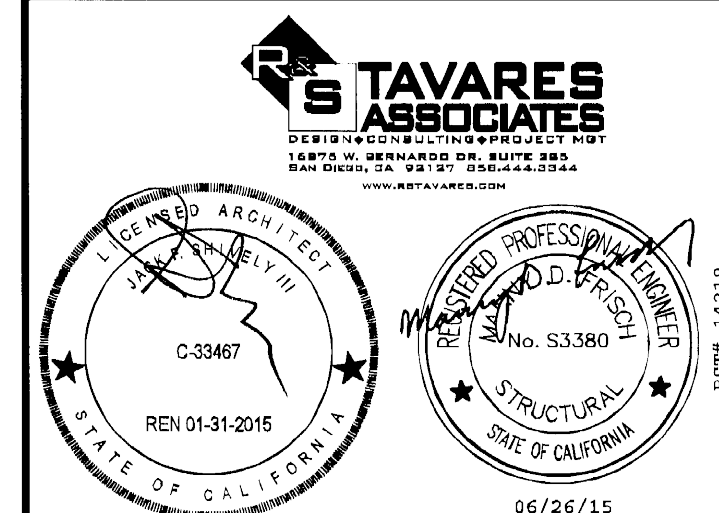
2830 BARRETT AVE. PERRIS, CALIFORNIA 92571  
PHONE: 951-943-5388 FAX: 951-943-2211

PROJECT NAME:

**HUNEME ELEMENTARY**  
**8'-6" x 30'-0"**  
**TOILET BUILDING**

SHEET TITLE:

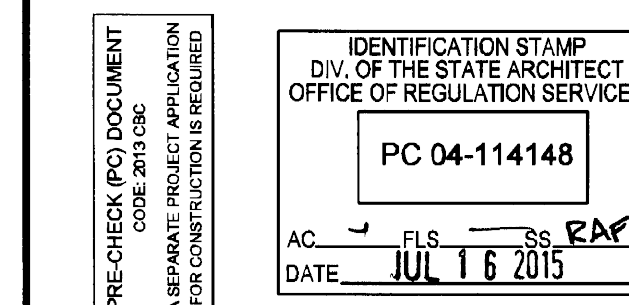
**FRAMING ELEVATIONS**  
**WOOD STUDS**



ARCHITECT OF RECORD

PROJECT SPECIFIC STATE AGENCY APPROVAL

ORIGINAL PC STATE AGENCY APPROVAL



REVISIONS

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8'-6" RESTROOM PC (HIGH SEISMIC)

PROJECT NO:

DRAWN BY: FIL CARRILLO

SCALE: AS NOTED

DATE: 02/04/2015

P. C. SHEET NUMBER

**S-5.00**

-- HIGH SEISMIC --







<p>1 L 3 x 3 x 0.105" W / (2) #12 STSMS TO EA PURLIN.</p> <p>2 x 4 BRACE @ 4'-0" O.C. STAGGERED</p> <p>SIMPSON A34 W / 8d x 1 1/2"</p> <p>2 x STUDS</p> <p>2 x TOP PLATE</p> <p>CEILING LINE</p>	<p>ROOFING</p> <p>ROOF PURLIN</p> <p>3 - #12 x 2 TYPE A HEX. HEAD SCREWS W/WASHERS</p> <p>2 x 4 BRACE @ 4'-0" O.C. STAGGERED</p> <p>SIMPSON A34 W / 8d x 1 1/2"</p> <p>2 x STUDS @ 16" O.C.</p> <p>2 x TOP PLATE</p> <p>CEILING LINE</p>	<p>STUD</p> <p>NOTCH</p> <p>2x4 STUD - 1 7/16" MAX</p> <p>2x6 &amp; 2x8 STUD - 2 3/16" MAX</p> <p>40% ALLOWED NONBEARING PARTITIONS (PER 2013 CBC 2308.9.10)</p> <p>STUD</p> <p>NOTCH</p> <p>2x4 STUD - 7/8" MAX</p> <p>2x6 &amp; 2x8 STUD - 1 3/8" MAX</p> <p>25% ALLOWED EXTERIOR WALLS AND BEARING PARTITIONS (PER 2013 CBC 2308.9.10)</p> <p>NOTCH IN PLATE</p> <p>PLATES</p> <p>0.048" THICK BY 1-1/2" WIDE (MIN SIZE) METAL STRAP, TYPICAL AT EACH PLATE CUT</p> <p>PIPE</p> <p>6-16d NAILS EACH END</p>	<p>ROOF SHTG</p> <p>0.036" TRACK x 4" LONG @ EA PURLIN, ATTACH TO BLKG w/(2) #10 STSMS</p> <p>WALL FRAMING</p> <p>3 1/2" x 0.036" BLKG AT 48" OC COPE FLANGES AND ATTACH W/(2) #10 STSMS AT EA END</p> <p>HOLD E.N. 1" CLEAR FROM TRACK</p> <p>2x TOP PLATE</p> <p>INTERIOR FINISH</p>	<p>SCALE : 3" = 1'-0"</p> <p>1</p>	
ALT - INTERIOR PARTITION	ALT - INTERIOR PARTITION	CUTTING AND NOTCHING	FULL HEIGHT INTERIOR PARTITION	2	
NOT USED	NOT USED	<p>STUD</p> <p>2x4 STUD - 1 7/16" MAX</p> <p>2x6 &amp; 2x8 STUD - 2 3/16" MAX</p> <p>BORED HOLE</p> <p>5/8" MIN</p> <p>40% ALLOWED ANY WALL (PER 2013 CBC 2308.9.11)</p> <p>STUD</p> <p>2x4 STUD - 2 1/8" MAX</p> <p>2x6 &amp; 2x8 STUD - 3 5/16" MAX</p> <p>BORED HOLE</p> <p>5/8" MIN</p> <p>60% ALLOWED IN ANY NONBEARING PARTITIONS OR IN ANY WALL WHERE EACH BORED STUD IS DOUBLED BORED HOLE NOT PERMITTED IN MORE THAN TWO SUCCESSIVE DOUBLED STUDS (PER 2013 CBC 2308.9.11)</p>	NOT USED	3	
NOT USED	NOT USED	NOT USED	NOT USED	4	
NOT USED	NOT USED	NOT USED	NOT USED	5	

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SILVER CREEK INDUSTRIES, INC.

"BUILDING FOR THE NEXT GENERATION"

**SILVER CREEK**

2830 BARRETT AVE. PERRIS, CALIFORNIA 92571  
PHONE: 951-943-5393 FAX: 951-943-2211

PROJECT NAME:

**HUNEME ELEMENTARY**  
**8'-6" x 30'-0"**  
**TOILET BUILDING**

SHEET TITLE:

**WALL FRAMING**  
**DETAILS**  
**WOOD STUDS**

ARCHITECT OF RECORD

PROJECT SPECIFIC STATE AGENCY APPROVAL

ORIGINAL PC STATE AGENCY APPROVAL

REVISIONS

1	
2	
3	
4	
5	
6	
7	
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9	
10	

8'-6" RESTROOM PC (HIGH SEISMIC)

PROJECT NO:

DRAWN BY: FIL CARRILLO

SHEET: AS NOTED

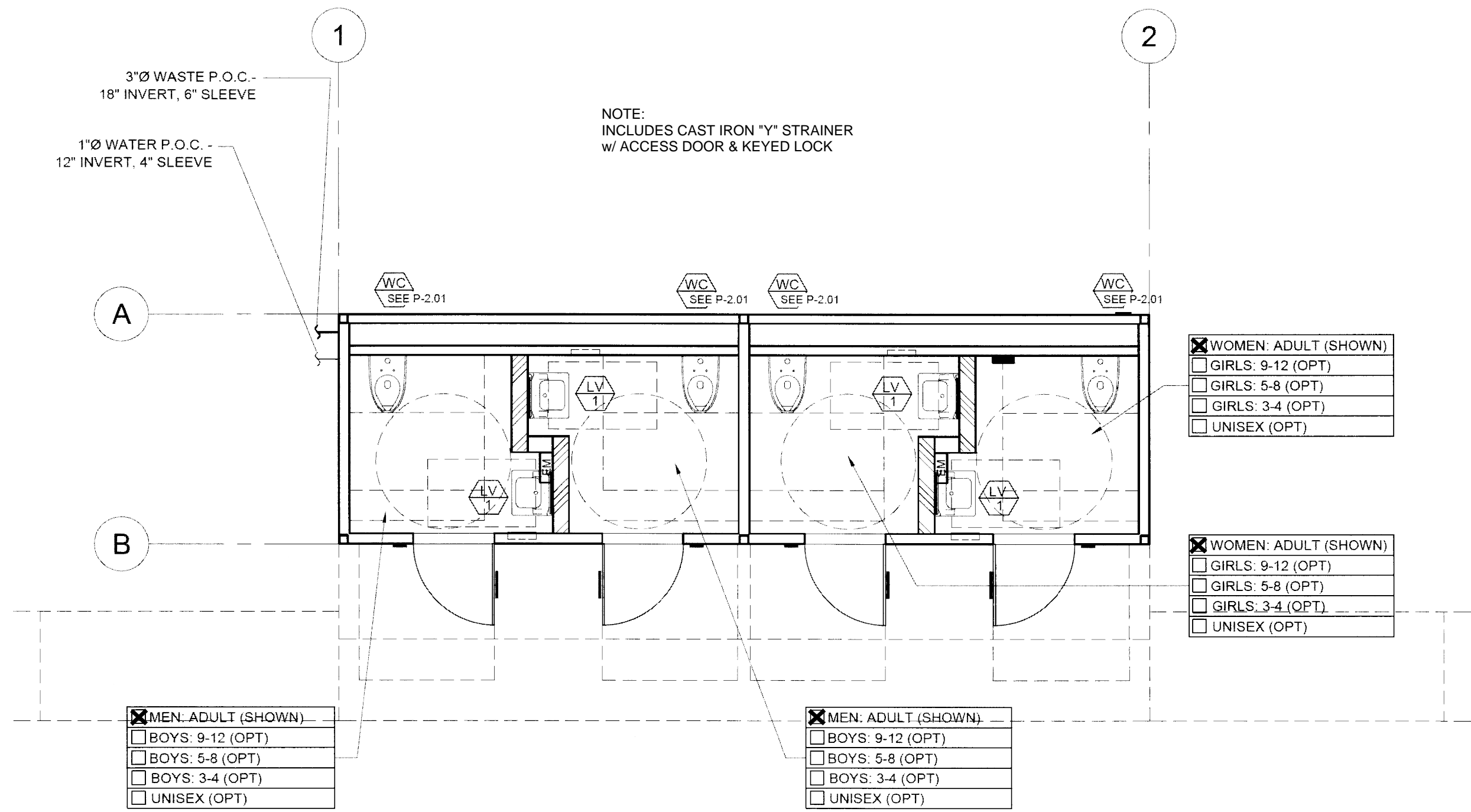
DATE: 02/04/2015

P.C. SHEET NUMBER

**S-5.11**

-- HIGH SEISMIC --





NOTE:  
PIPE INSULATION BURNING  
CHARACTERISTICS: 20/50  
FLAME AND SMOKE RATING

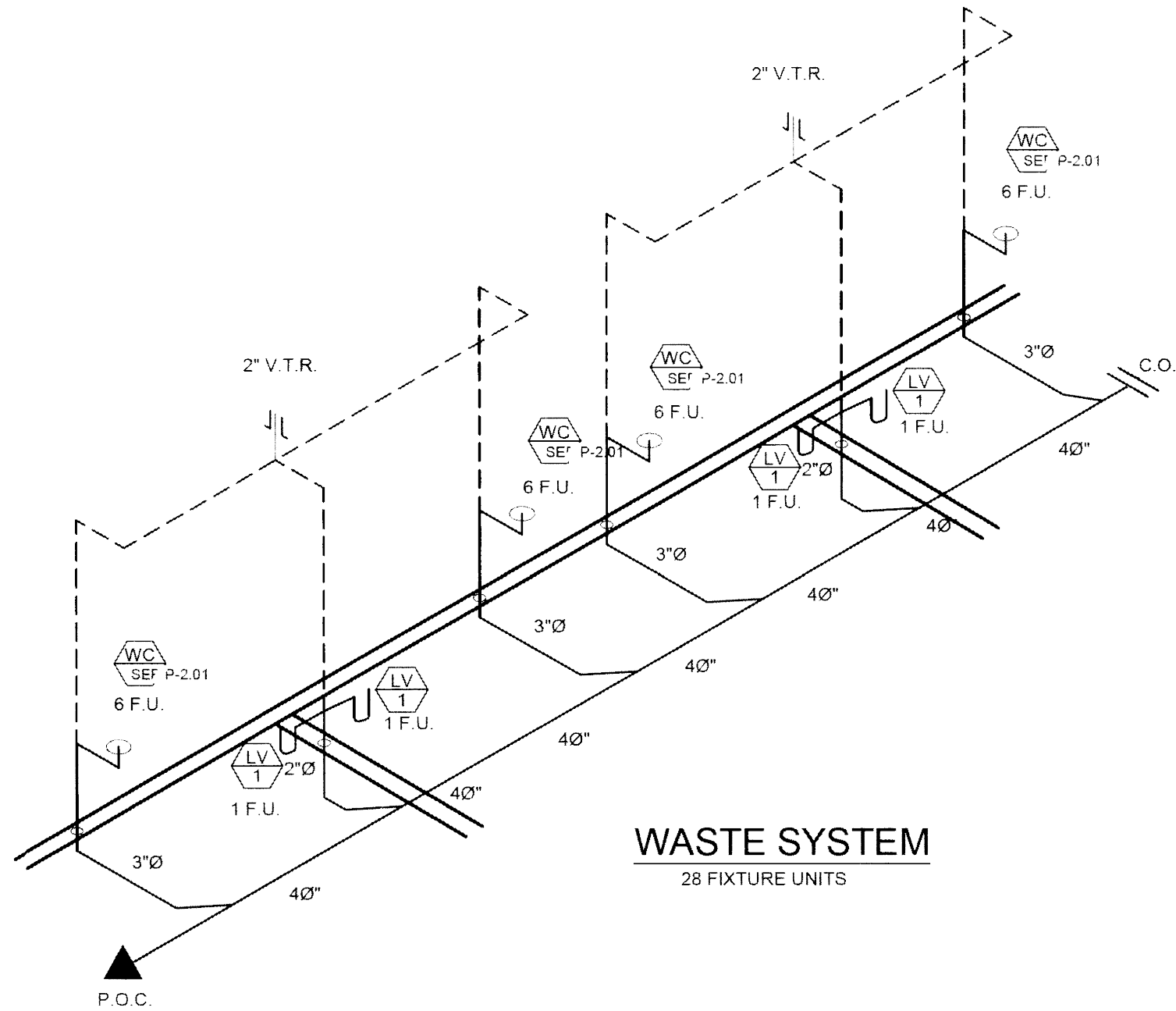
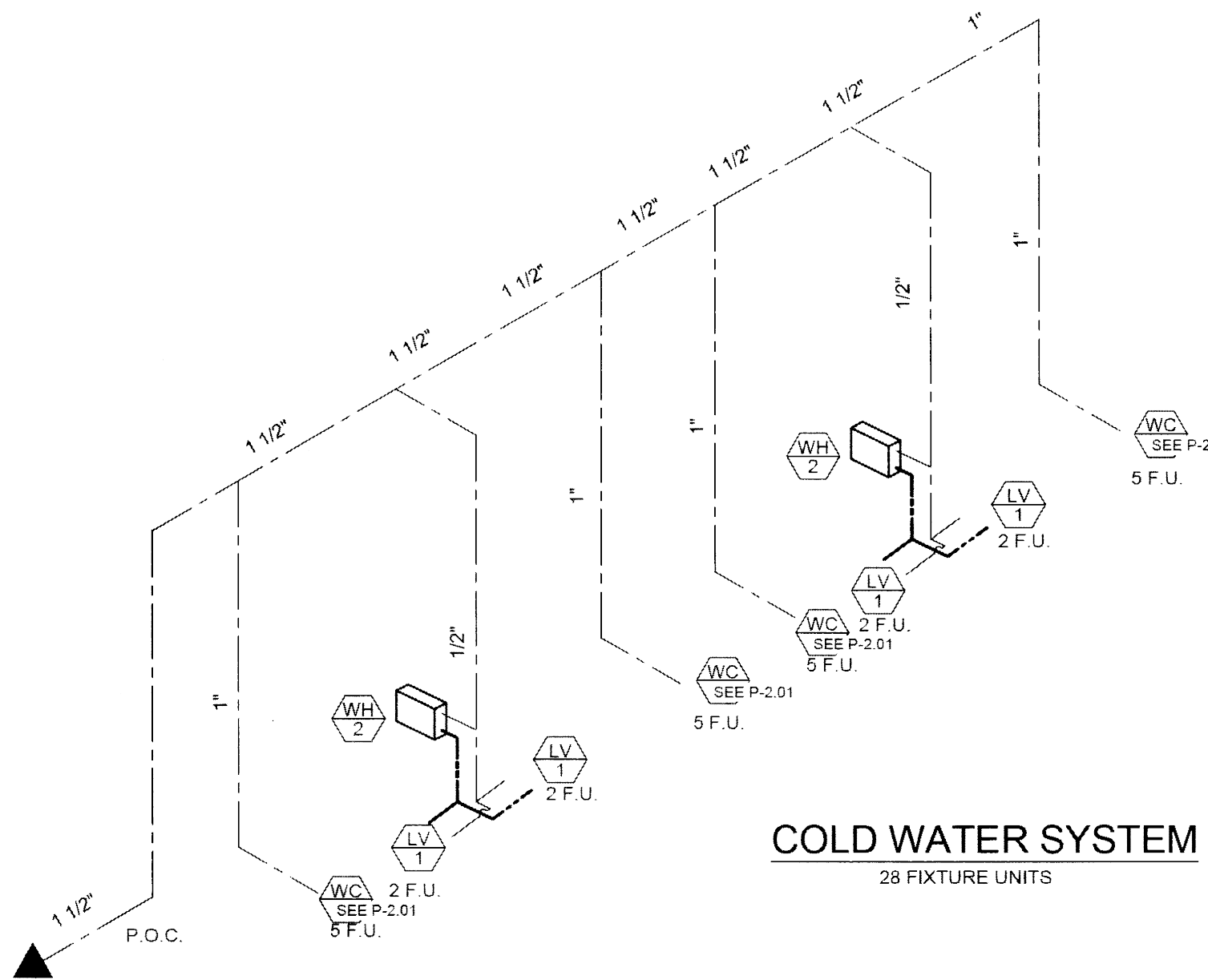
- ### GENERAL NOTES
- ALL VENTS TO ROOF AND VENT RISER CONNECTIONS TO BE OFFSET ABOVE CEILING FROM WALLS IN ORDER TO PREVENT PENETRATION THROUGH TOP PLATES.
  - ALL WASTE DROPS IN WALLS TO BE OFFSET PRIOR TO WALL BOTTOM PLATES.
  - FOR ALLOWABLE CUTTING/NOTCHING/BORED HOLES IN 2x WALL STUDS AND JOISTS, SEE TYPICAL DETAILS ON STRUCTURAL SHEETS.
  - NOT USED
  - ALL INTERIOR COLD AND HOT WATER IS OVERHEAD PIPING EXCEPT AT INSIDE WALLS UNLESS OTHERWISE NOTED.
  - ALL DRAIN AND SEWER FITTINGS BELOW FLOOR LINE ARE SITE INSTALLED.
  - SEWER/WATER STUB OUT SHALL BE LOCATED WITHIN THE ALLOWABLE AREA AS SHOWN ON PLANS AND CONNECTIONS SHOULD BE EASILY ACCESSIBLE FOR FUTURE RELOCATION. STUB OUT HEIGHT SHOULD BE COORDINATED WITH BUILDING MANUFACTURER AND SITE CONTRACTOR/OWNER.
  - PLUMBING EQUIPMENT, FIXTURE AND ACCESSORIES:  
FURNISH AND INSTALL ALL PIPING, VALVES, VENTS, STOPS, AND TRAPS REQUIRED TO CONNECT ALL FIXTURE AS REQUIRED.
  - MATERIALS AND WORKMANSHIP:  
ALL WORKMEN SHALL BE SKILLED AND QUALIFIED FOR THE WORK WHICH THEY PERFORM. ALL MATERIALS USED, UNLESS OTHERWISE SPECIFIED, SHALL BE NEW AND OF THE TYPES AND GRADE SPECIFIED.

- ### PLUMBING NOTES
- ACCESSIBLE PLUMBING FIXTURES SHALL COMPLY WITH ALL OF THE REQUIREMENTS OF THE CBC SECTION 11B-213.2.
  - HEIGHTS AND LOCATION OF ALL FIXTURES SHALL BE ACCORDING TO THE CBC SECTION 11B-213.2.
  - FIXTURE CONTROLS SHALL COMPLY WITH CBC SECTION 11B-213.2.
  - COORDINATE WITH SHEET P-2.01 FOR PLUMBING DETAILS AND SCHEDULES.

NOTE:  
FOR EACH RESTROOM WHERE ALTERNATIVE  
DIMENSIONS ARE USED, APPLY CONSISTENT USE  
GROUP STANDARDS THROUGHOUT (IF "E" HEIGHTS  
ARE USED AT ACCESSIBLE WATER CLOSET, "E"  
HEIGHTS SHALL ALSO BE USED AT ACCESSIBLE  
LAVY.

PLUMBING PLAN (8'-6" x 15'-6")

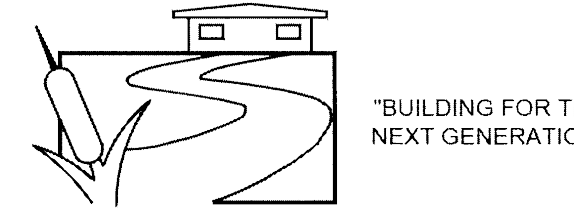
SCALE: 1/4" = 1'-0"



PLUMBING ISO PLAN (8'-6" X 15'-6")

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SILVER CREEK

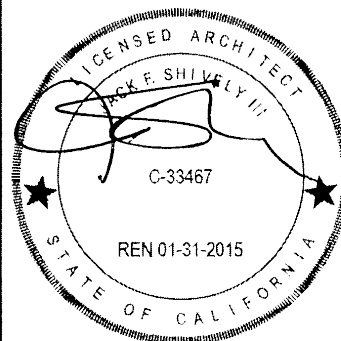
2830 BARRETT AVE. PERRIS, CALIFORNIA 92571  
PHONE: 951-943-5393 FAX: 951-943-2211

PROJECT NAME:

HUNEME ELEMENTARY  
8'-6" x 30'-0"  
TOILET BUILDING

SHEET TITLE:

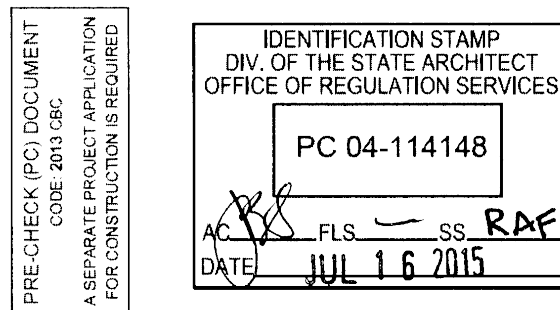
PLUMBING FLOOR PLAN  
& ISOMETRICS  
(8'-6" x 30'-0")



ARCHITECT OF RECORD

PROJECT SPECIFIC STATE AGENCY APPROVAL

ORIGINAL PC STATE AGENCY APPROVAL



REVISIONS

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8'-6" RESTROOM PC (HIGH SEISMIC)

PROJECT NO:

DRAWN BY: FIL CARRILLO

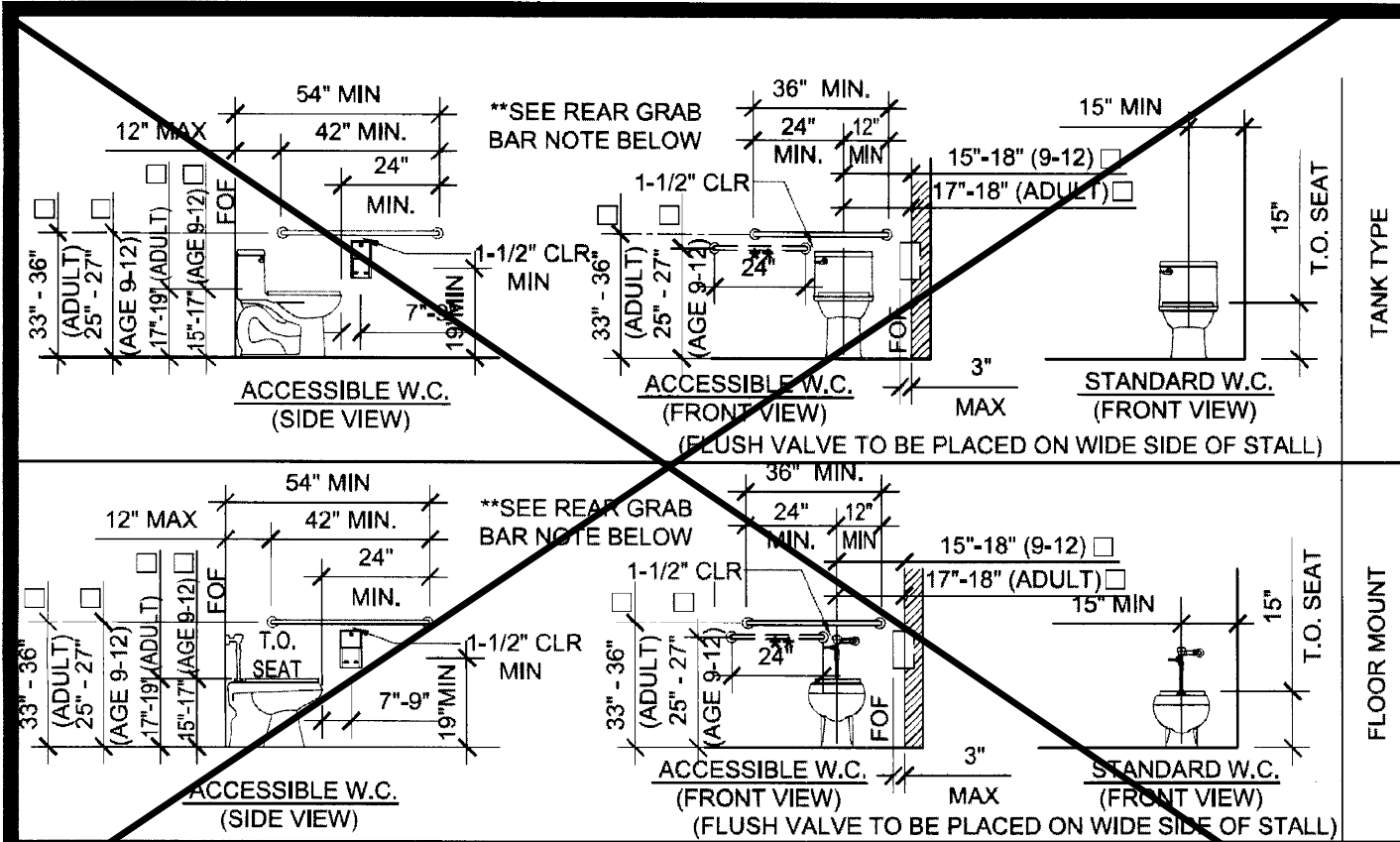
SCALE: AS NOTED

DATE: 02/04/2015

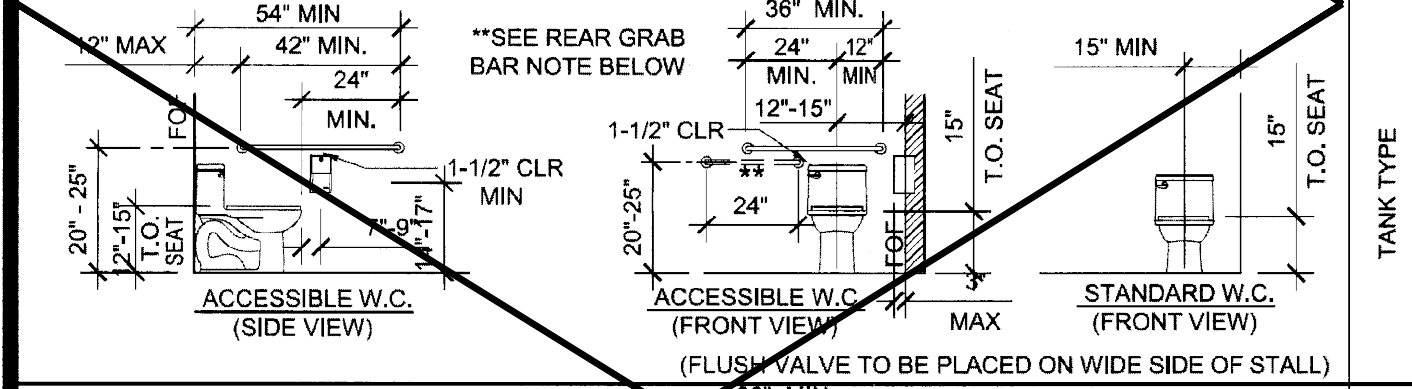
P.C. SHEET NUMBER

P-1.03

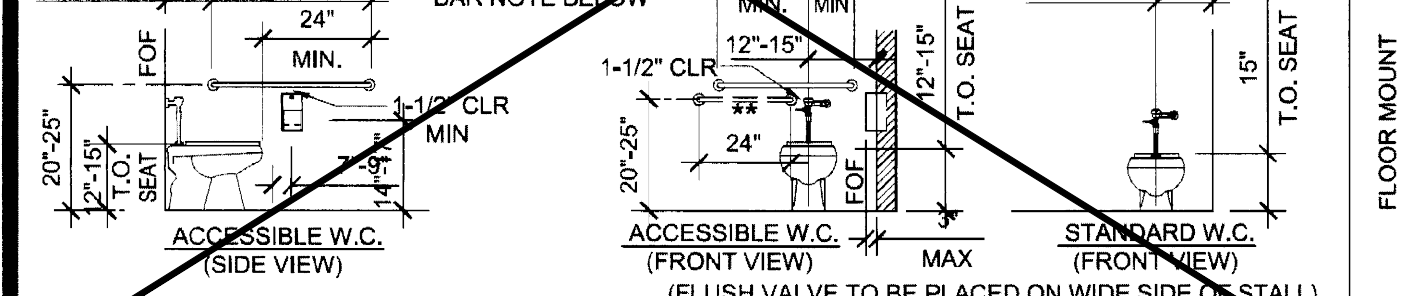




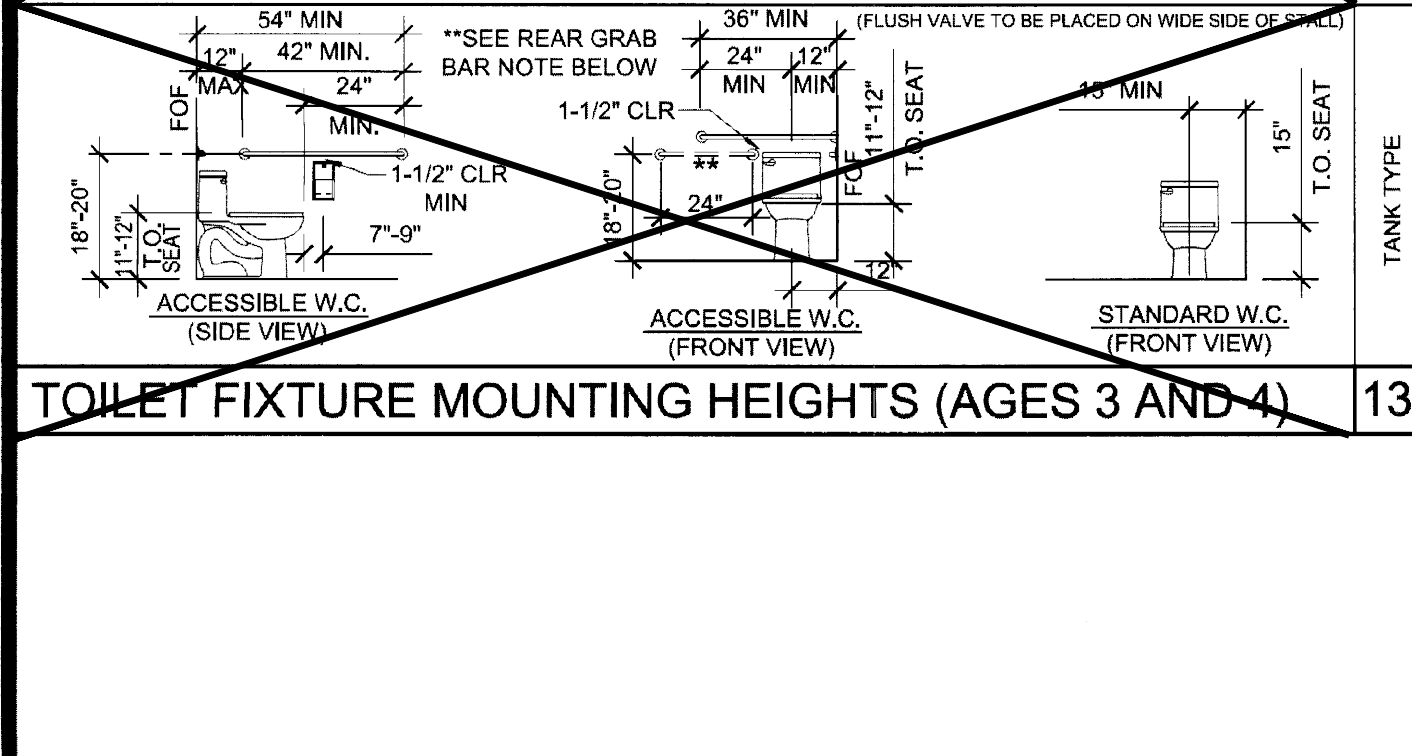
TOILET FIXTURE MOUNTING HEIGHTS (AGES 9 TO ADULT) 11



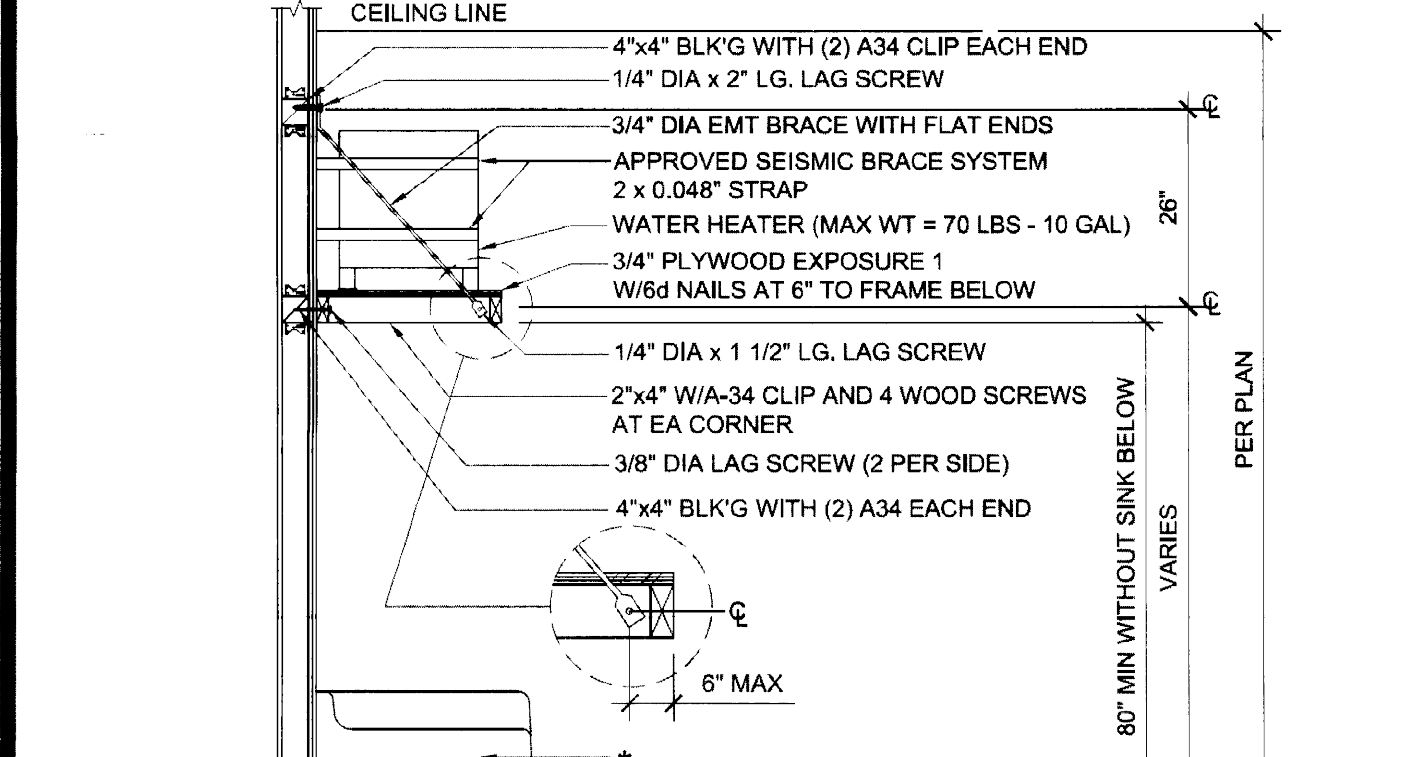
TOILET FIXTURE MOUNTING HEIGHTS (AGES 5 THRU 8) 12



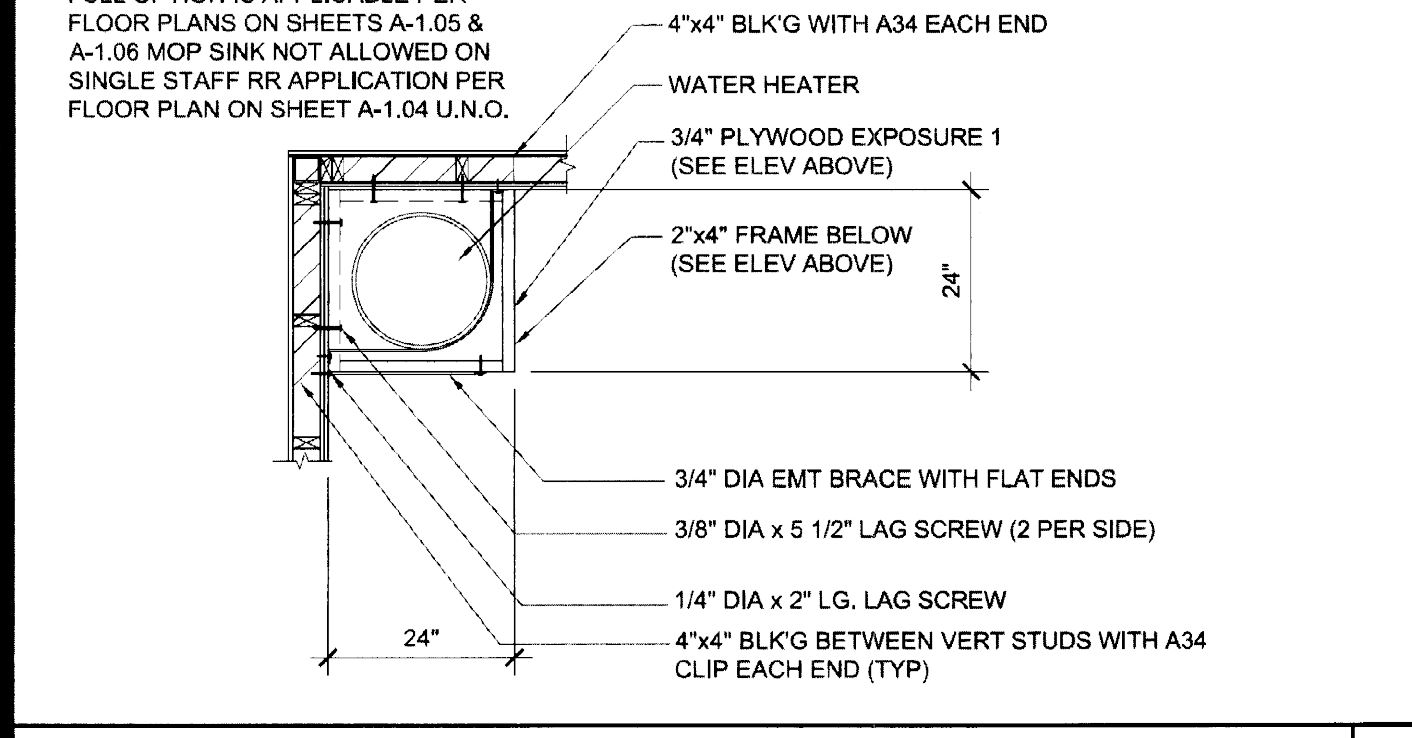
TOILET FIXTURE MOUNTING HEIGHTS (AGES 3 AND 4) 13



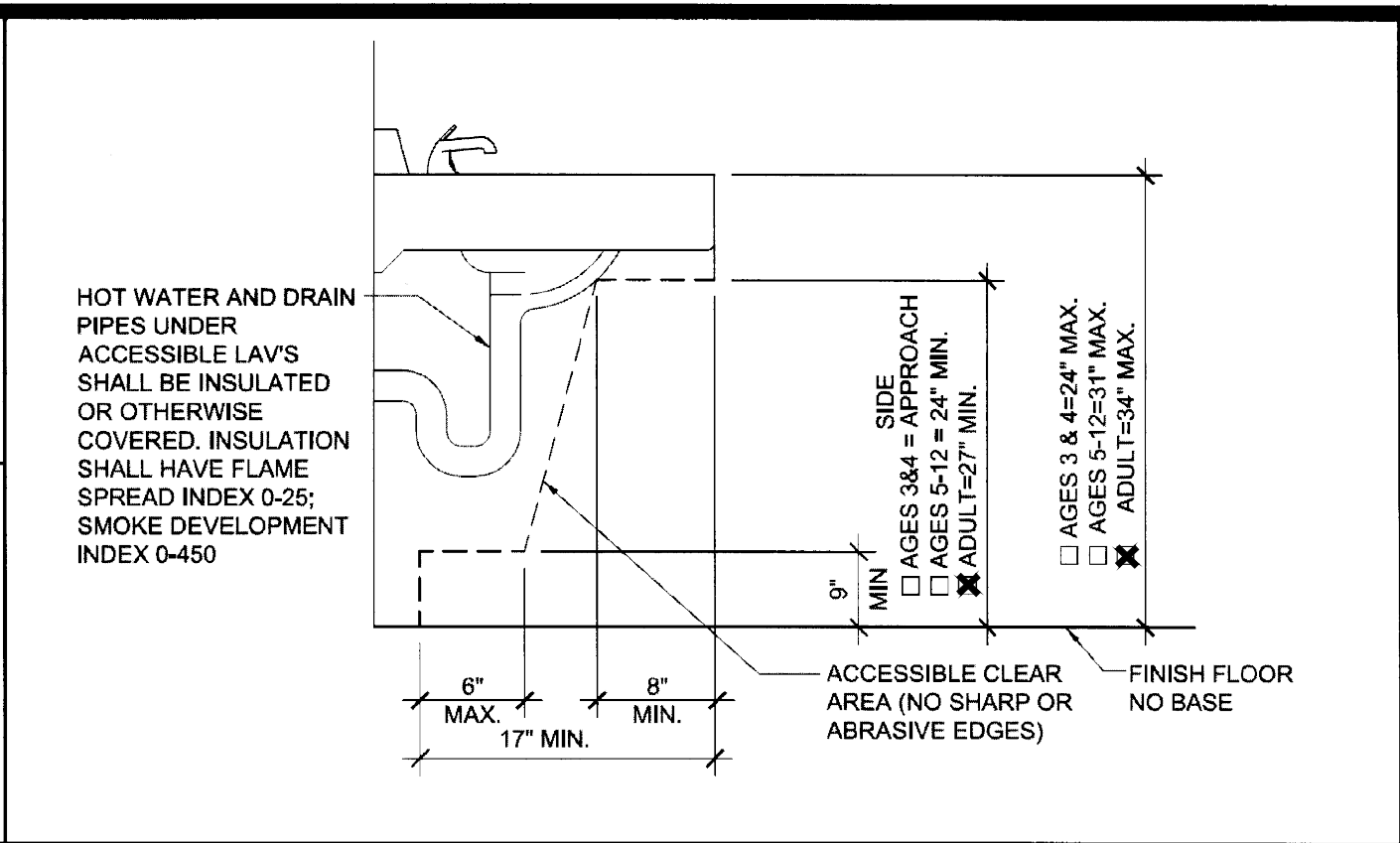
WATER HEATER SHELF AT WOOD STUD



WATER HEATER SHELF AT WOOD STUD



WATER HEATER SHELF AT WOOD STUD



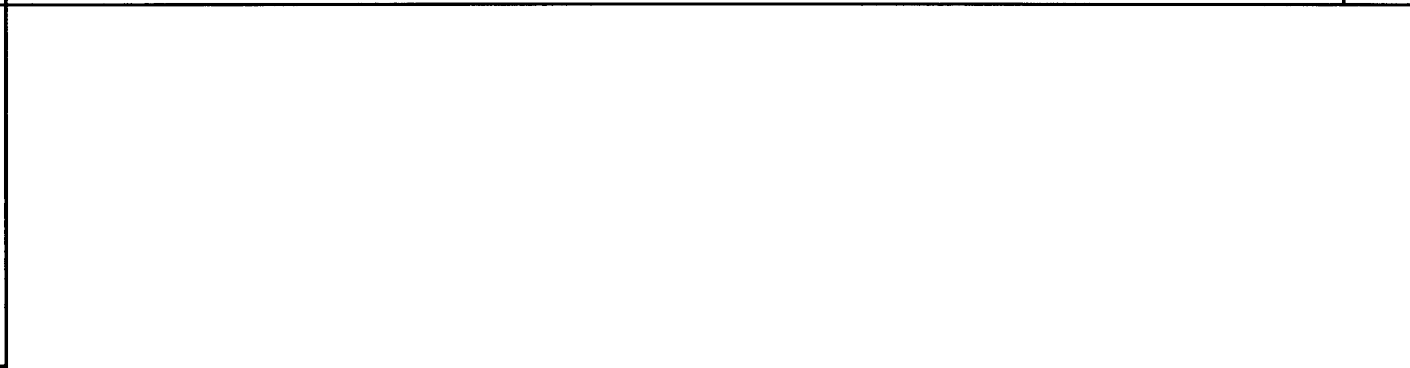
ACCESSIBLE LAV CLEARANCE



TOILET FIXTURE MOUNTING HEIGHTS (AGES 9 TO ADULT) 11



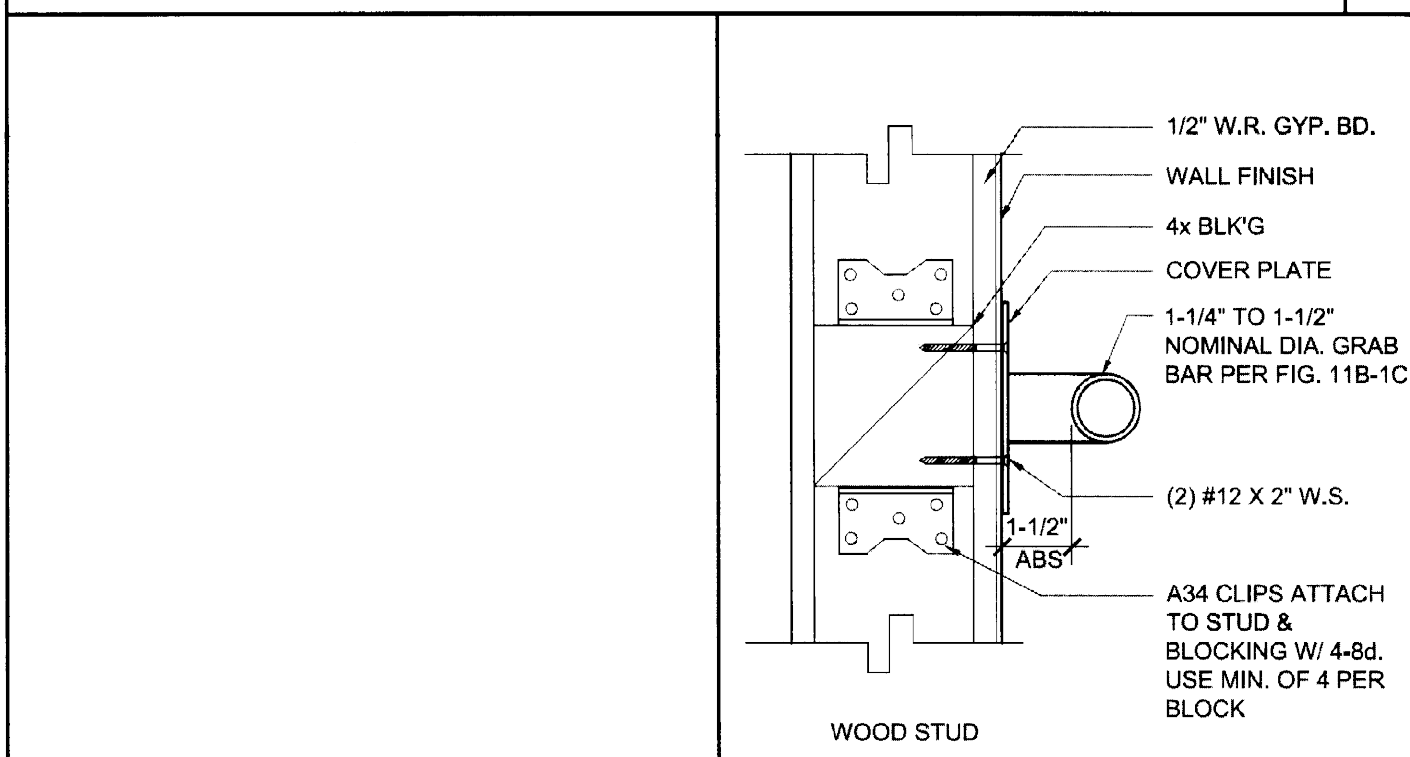
TOILET FIXTURE MOUNTING HEIGHTS (AGES 5 THRU 8) 12



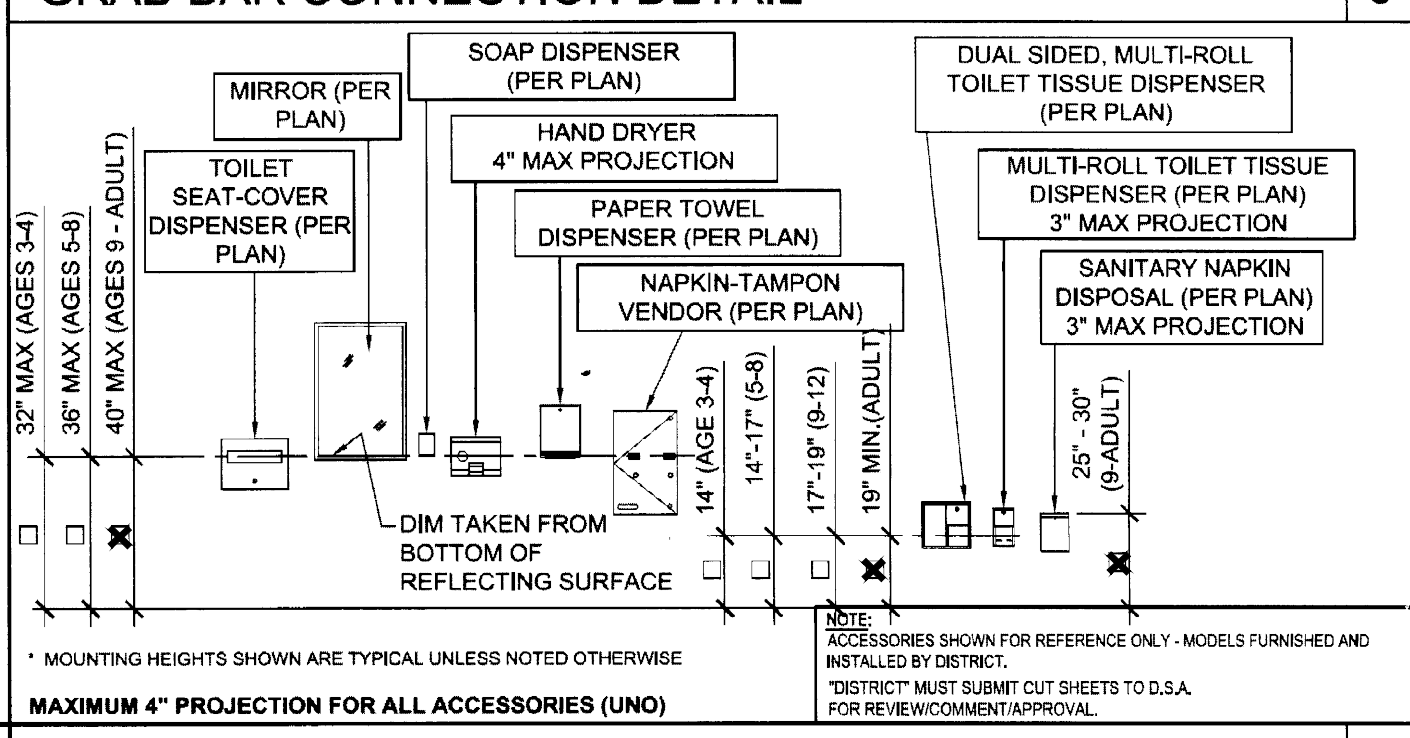
TOILET FIXTURE MOUNTING HEIGHTS (AGES 3 AND 4) 13



TOILET FIXTURE MOUNTING HEIGHTS (AGES 9 TO ADULT) 11



TOILET FIXTURE MOUNTING HEIGHTS (AGES 5 THRU 8) 12



TOILET FIXTURE MOUNTING HEIGHTS (AGES 3 AND 4) 13

THE DIVISION OF THE STATE ARCHITECT, OFFICE OF REGULATION SERVICES ACCEPTS THE FOLLOWING DIMENSIONS AS ADEQUATELY SERVING THE NEEDS OF CHILDREN IN PROJECTS UNDER THEIR JURISDICTION. THESE DIMENSIONS ARE BASED ON CBC TABLE 11B-604.9 SUGGESTED DIMENSIONS FOR WATER CLOSETS SERVING CHILDREN AGES 3 TO 12.

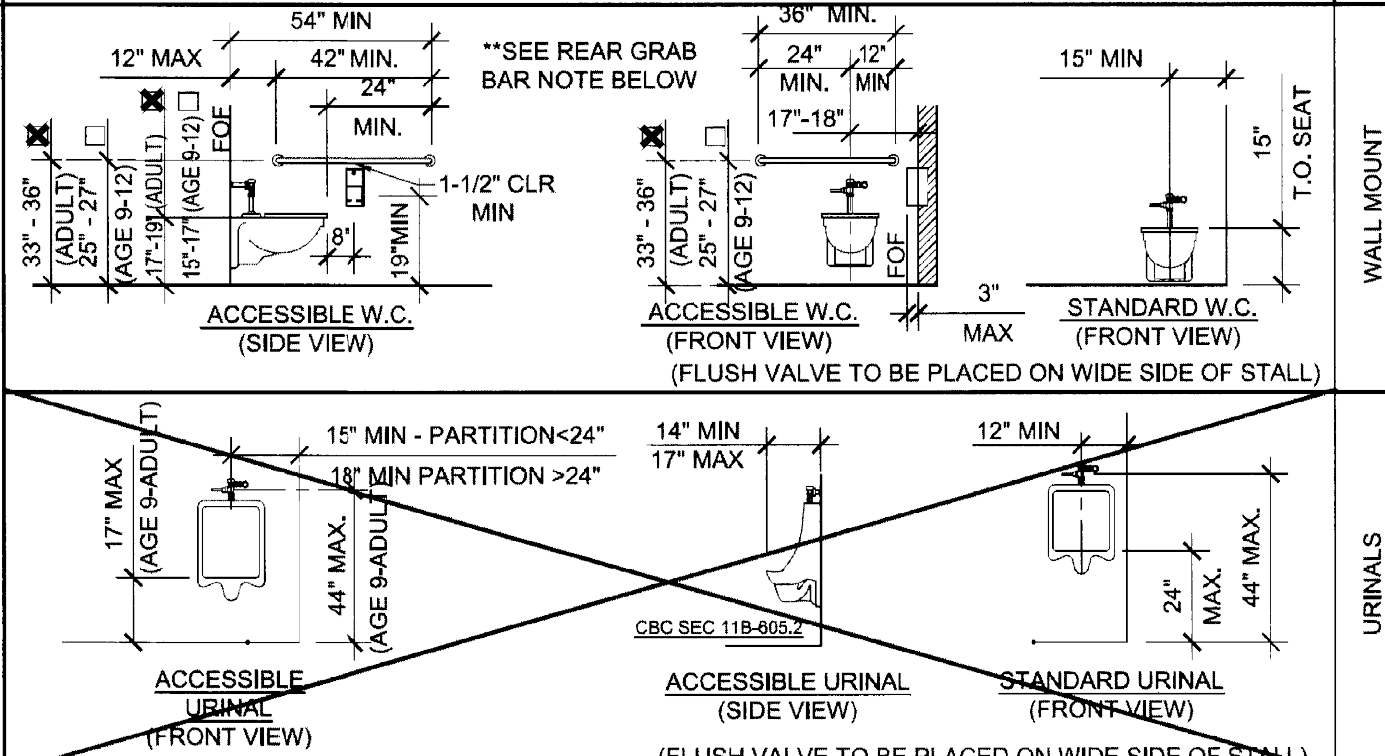
ACCESSIBILITY DIMENSIONS	11B-604.9 SUGGESTED DIMS			
	ADULT	AGES 9 THROUGH 12	AGES 5 THROUGH 8	AGES 3 AND 4
TOILET CENTERING FROM WALL	17" - 18"	15" - 18"	12" - 15"	12"
TOILET SEAT HEIGHT (DIM TO TOP OF SEAT)	17" - 19"	15" - 17"	12" - 15"	11" - 12"
GRAB BAR HEIGHT (TO TOP)	33" - 36"	25" - 27"	20" - 25"	18" - 20"
TOILET PAPER IN FRONT OF TOILET	7" - 9"	7" - 9"	7" - 9"	7" - 9"
NAPKIN DISPOSAL IN FRONT OF TOILET	12" MAX.	12" MAX.	N/A	N/A
MIRROR HEIGHT (TO BOTTOM OF GLASS)	40" MAX.	10" MAX.	6" MAX.	12" MAX.
DISPENSER HEIGHT	19" MIN.	7" - 9"	4" - 7"	14"
LAVATORY/SINK TOP HEIGHT	34" MAX.	34" MAX.	34" MAX.	24" MAX.
LAVATORY/SINK KNEE CLEARANCE	27" MIN.	27" MIN.	24" MIN.	24" MIN.
URINAL LIP HEIGHT	17" MAX.	17" MAX.	15" MAX.	13" MIN.
URINAL FLUSH HANDLE HEIGHT	44" MAX.	44" MAX.	37" MAX.	32" MAX.
DRINKING FOUNTAIN BUBBLER HT. (LOW)	36" MAX.	36" MAX.	32" MAX.	30" MAX.
DRINKING FOUNTAIN KNEE CLEARANCE	27" MIN.	27" MIN.	24" MIN.	22" MIN.
RAMP/STAIR HANDRAIL HEIGHT (TO TOP)	34" - 38"	34" - 38"	27"	22"

PLUMBING ACCESSORIES (REF. ONLY - MODELS FURNISHED AND INSTALLED BY DISTRICT U.N.O.)

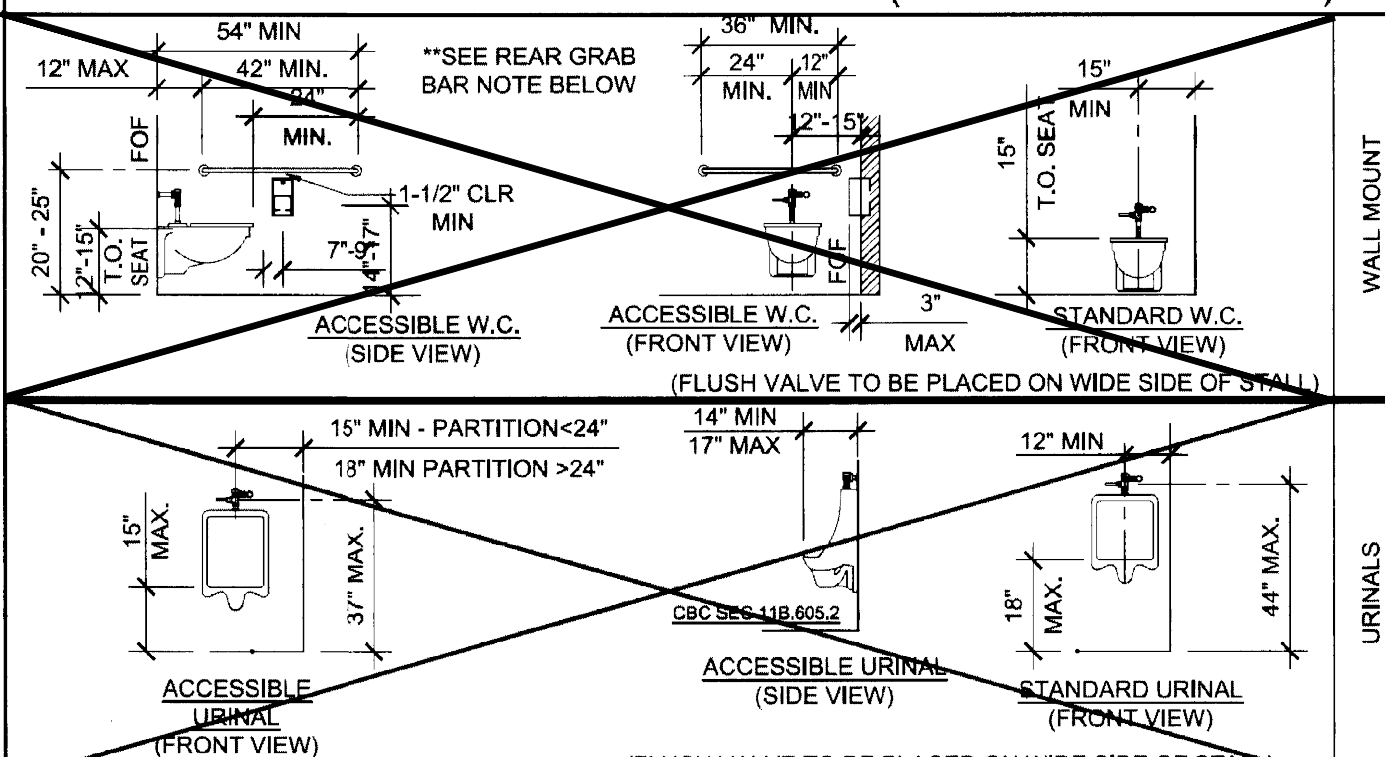
- A SOAP DISPENSER: LIQUID SOAP DISPENSER 4" MAX. PROJECTION
- B PAPER TOWEL DISPENSER/TRASH BIN COMBO: SURFACE MOUNTED 4" MAX. PROJECTION-CANNOT ENCR OACH INTO 30x43 CLEAR SPACE OF FIXTURE
- C TOILET PAPER HOLDER: SINGLE ROLL SEMI-RECESSED OR 3" MAX PROJECTION
- D TOILET SEAT DISPENSER: SURFACE MOUNTED

STANDARD DIMENSIONS	ALTERNATE HEIGHT (DIMS)			
	ADULT	AGES 9 THROUGH 12	AGES 5 THROUGH 8	AGES 3 AND 4
TOILET CENTERING FROM WALL/PARTITION	15" MIN	15" MIN	15" MIN	15" MIN
TOILET SEAT HEIGHT/DIM TO TOP OF SEAT	15"	15"	15"	15"
TOILET CLEARANCE/FRONT	24"	24"	24"	24"
URINAL LIP HEIGHT	24"	24"	18"	16"
URINAL CENTER FROM WALL/PARTITION	12"	12"	12"	12"

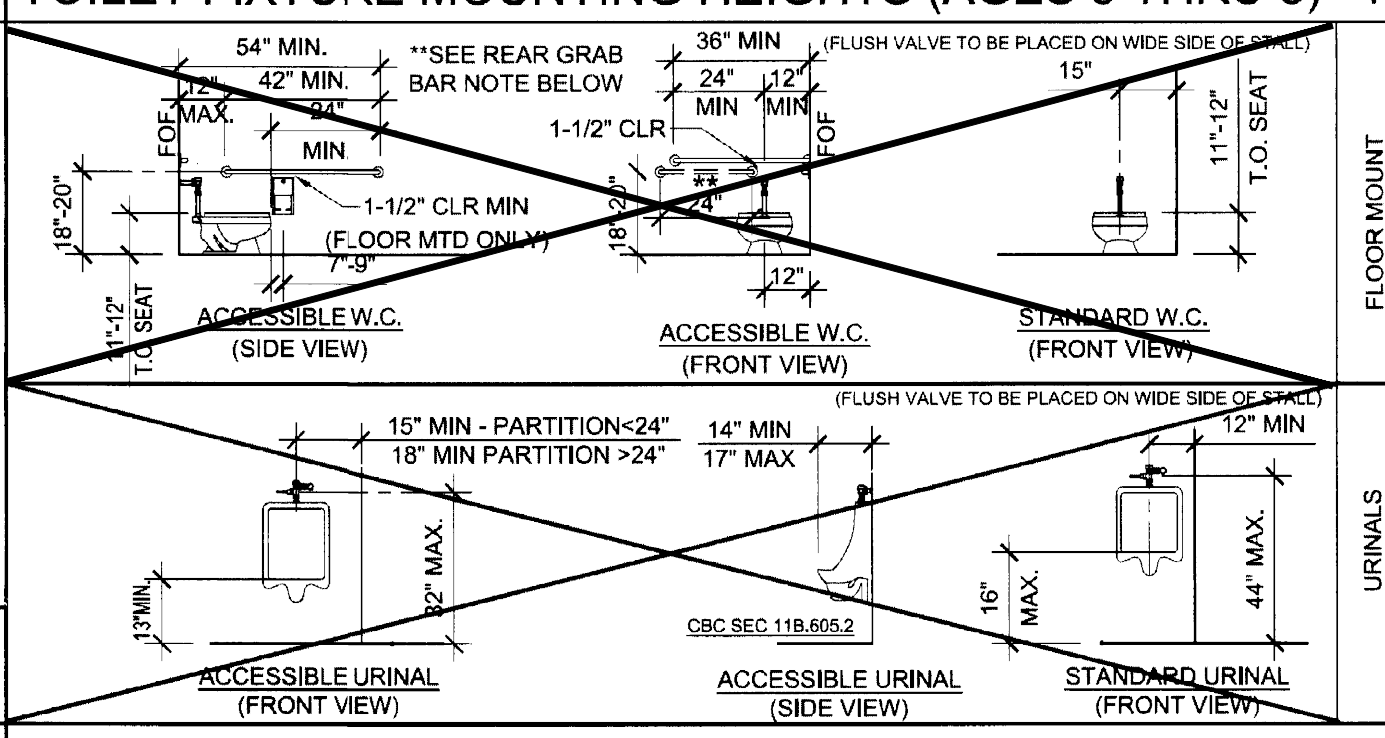
7 FIXTURE MOUNTING HEIGHTS



8 TOILET FIXTURE MOUNTING HEIGHTS (AGES 9 TO ADULT) 3



9 TOILET FIXTURE MOUNTING HEIGHTS (AGES 5 THRU 8) 4



10 TOILET FIXTURE MOUNTING HEIGHTS (AGES 3 AND 4) 5

SYMBOL	FIXTURE	COLD WATER	HOT WATER	WASTE	VENT	FIXTURE DESCRIPTION (AS CALLED OUT OR APPROVED EQUAL)
WC 1	[AGE 5 TO ADULT] WATER CLOSET WALL MTD/FLUSH (ACCESSIBLE)	1"	-	3"	2"	STD: PROFLO STANDARD ADA PF1731 WALL (1.28 GPF) ALT: AMERICAN STANDARD 2832.128 18" HIGH, VITREOUS CHINA ELONGATED RIM, SIPHON JET, 12" ROUGH-IN; OLSONITE 10CC SOLID OPEN WHITE ELONGATED PLASTIC SEAT; SLOAN ROYAL #111-1.28 LOW CONSUMPTION FLUSHMETER VALVE; JAY R SMITH #210-LY OR RY NO-HUB ADJUSTABLE FIXTURE SUPPORT CARRIER
WC 2	[AGE 5 TO ADULT] WATER CLOSET WALL MTD/FLUSH (NON-ACCESSIBLE)	1"	-	3"	2"	STD: PROFLO STANDARD ADA PF1731 WALL (1.28 GPF) ALT: AMERICAN STANDARD 2832.128 18" HIGH, VITREOUS CHINA ELONGATED RIM, SIPHON JET, 12" ROUGH-IN; OLSONITE 10CC SOLID OPEN WHITE ELONGATED PLASTIC SEAT; SLOAN ROYAL #111-1.28 LOW CONSUMPTION FLUSHMETER VALVE; JAY R SMITH #210-LY OR RY NO-HUB ADJUSTABLE FIXTURE SUPPORT CARRIER
WC 3	[ADULT] WATER CLOSET FLOOR MTD/FLUSH (ACCESSIBLE)	1"	-	3"	2"	STD: PROFLO ADA PF1723 (1.28 GPF) ALT: AMERICAN STANDARD ADA 343.001 "MADERA" 16" HIGH, VITREOUS CHINA ELONGATED RIM, SIPHON JET, 12" ROUGH-IN; OLSONITE 10CC SOLID OPEN WHITE ELONGATED PLASTIC SEAT; SLOAN ROYAL #111-1.28 LOW CONSUMPTION FLUSHMETER VALVE
WC 4	[ADULT] WATER CLOSET FLOOR MTD/FLUSH (NON-ACCESSIBLE)	1"	-	3"	2"	STD: PROFLO STANDARD ADA PF1721 (1.28 GPF) ALT: AMERICAN STANDARD ADA 224.101 "MADERA" 15" HIGH, VITREOUS CHINA ELONGATED RIM, SIPHON JET, 12" ROUGH-IN; OLSONITE 10CC SOLID OPEN WHITE ELONGATED PLASTIC SEAT; SLOAN ROYAL #111-1.28 LOW CONSUMPTION FLUSHMETER VALVE
WC 5	[AGE 9 TO ADULT] WATER CLOSET FLOOR MTD/FLUSH (NON-ACCESSIBLE)	1"	-	3"	2"	STD: PROFLO STANDARD ADA PF1721 (1.28 GPF) ALT: AMERICAN STANDARD ADA 224.101 "MADERA" 15" HIGH, VITREOUS CHINA ELONGATED RIM, SIPHON JET, 12" ROUGH-IN; OLSONITE 10CC SOLID OPEN WHITE ELONGATED PLASTIC SEAT; SLOAN ROYAL #111-1.28 LOW CONSUMPTION FLUSHMETER VALVE
WC 6	[AGE 3-4] WATER CLOSET FLOOR MTD/FLUSH (ACCESSIBLE & NON-ACCESSIBLE)	1"	-	3"	2"	STD: PROFLO PF1700BB (1.28 GPF) ALT: AMERICAN STANDARD 2282.012 18" HIGH, VITREOUS CHINA ELONGATED RIM, SIPHON JET, 12" ROUGH-IN; OLSONITE 10CC SOLID OPEN WHITE ELONGATED PLASTIC SEAT; SLOAN ROYAL #111-1.28 LOW CONSUMPTION FLUSHMETER VALVE
WC 7	[ADULT] WATER CLOSET TANK TYPE (ACCESSIBLE)	1/2"	-	3"	2"	STD: PROFLO ADA PF8403 (1.28 GPF) ALT: AMERICAN STANDARD ADA 2758.128 17" HIGH, VITREOUS CHINA ELONGATED RIM, TANK TYPE; 12" ROUGH-IN; OLSONITE 10CC SOLID OPEN WHITE ELONGATED PLASTIC SEAT
WC 8	[AGE 9-12] WATER CLOSET TANK TYPE (ACCESSIBLE)	1/2"	-	3"	2"	STD: PROFLO STANDARD ADA PF8401 (1.28 GPF) ALT: AMERICAN STANDARD 2832.128 18" HIGH, VITREOUS CHINA ELONGATED RIM, TANK TYPE; 12" ROUGH-IN; OLSONITE 10CC SOLID OPEN WHITE ELONGATED PLASTIC SEAT
WC 9	[AGE 9 TO ADULT] WATER CLOSET TANK TYPE (NON-ACCESSIBLE)	1/2"	-	3"	2"	STD: PROFLO STANDARD ADA PF8401 (1.28 GPF) ALT: AMERICAN STANDARD 2832.128 18" HIGH, VITREOUS CHINA ELONGATED RIM, TANK TYPE; 12" ROUGH-IN; OLSONITE 10CC SOLID OPEN WHITE ELONGATED PLASTIC SEAT
WC 10	[AGE 3-4] WATER CLOSET TANK TYPE (ACCESSIBLE & NON-ACCESSIBLE)	1/2"	-	3"	2"	STD: PROFLO PF1704BB (1.28 GPF) ALT: AMERICAN STANDARD 2315.016 BABY DEVORO 10" HIGH, 10" ROUGH-IN, VITREOUS CHINA ELONGATED RIM, TANK TYPE; OLSONITE 10CC SOLID OPEN WHITE ELONGATED PLASTIC SEAT
WC 11	[AGE 5-8] WATER CLOSET TANK TYPE (ACCESSIBLE)	1/2"	-	3"	2"	STD: PROFLO PF1704BB (1.28 GPF) ALT: AMERICAN STANDARD 2315.016 BABY DEVORO 10" HIGH, 10" ROUGH-IN, VITREOUS CHINA ELONGATED RIM, TANK TYPE; OLSONITE 10CC SOLID OPEN WHITE ELONGATED PLASTIC SEAT
WC 12	[AGE 5-8] WATER CLOSET FLOOR MTD/FLUSH (ACCESSIBLE)	1"	-	3"	2"	AMERICAN STANDARD 2599.001 "MADERA" 16" HIGH, VITREOUS CHINA ELONGATED RIM, SIPHON JET, 10" ROUGH-IN; OLSONITE 10CC SOLID OPEN WHITE ELONGATED PLASTIC SEAT; SLOAN ROYAL #111-1.28 LOW CONSUMPTION FLUSHMETER VALVE
LAV 1	LAVATORY (ACCESSIBLE)	1/2"	-	2"	1 1/2"	STD: AMERICAN STANDARD 0355.012 LUCERNE ALT: CRANE 1-412V "HARWICH" 20X18" VITREOUS CHINA; JAY R SMITH #722 CONCEALED HANGER; VALLEY #14809SPS SINGLE HANDLE FAUCET (AMERICAN STANDARD 9141.011 TO BE USED @ KINDER APPLICATIONS ONLY) (0.5 GPM)
FD 1	FLOOR DRAIN	-	-	2"	1 1/2"	JAY R SMITH #2005YA-02-P050-NB, FLOOR DRAIN TAPPED FOR PRIMER, 5" NICKEL BRONZE STRAINER
TP 1	TRAP PRIMER	1/2"	-	-	-	PR-500 WITH 8"X12" LOCKABLE BOX, 1/2" BALL SHUT-OFF VALVE, AND PPP DU-U FRESH WATER DISTRIBUTION SYSTEM
WHA 1	WATER HAMMER ARRESTOR	1"	-	-	-	PPP SC-1000
GB 1	GRAB BAR	-	-	-	-	McKINNEY 9704-1-1/2 OC STAINLESS STEEL GRAB BAR - SATIN FINISH: 36" LONG ON BACK AND 42" ON SIDE
MR 1	MIRROR	-	-	-	-	SERIES 530 RETURNED MIRRORS STAINLESS STEEL - 18GA 18"x24" - "J" SHEET METAL MANUFACTURED OR APPROVED EQUAL
SS 1	SERVICE SINK	1/2"	1/2"	2"	1 1/2"	KOHLER K-6714 "BANKING" 22"x19" CAST IRON, ACID RESISTANT SINK; K-6805-RP "KNOXFORD" FAUCET; K-6672 2" I.P.S. TRAP
MS 1	MOP SINK	1/2"	1/2"	2"	1 1/2"	KOHLER K-6710 "WHITBY" 28"x28" CAST IRON W/ CHICAGO FAUCET 956-R, 853 WALL HOOK, AND 2" K-8142 STRAINER
WH 1	WATER HEATER (OPTION)	3/4"	3/4"	-	-	A.O. SMITH #DEL-6 (6 GALLON) A.O. SMITH #DEL-10 (10 GALLON)
WH 2	INSTANT WATER HEATER (OPTION)	1/2"	1/2"	-	-	EEMAX #SP3012, 120V, 3.0KW, 25A

11 PLUMBING FIXTURE SCHEDULE

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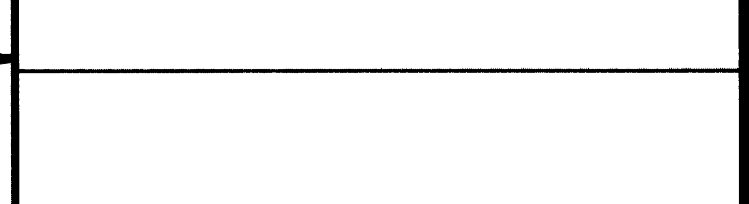


PROJECT NAME:

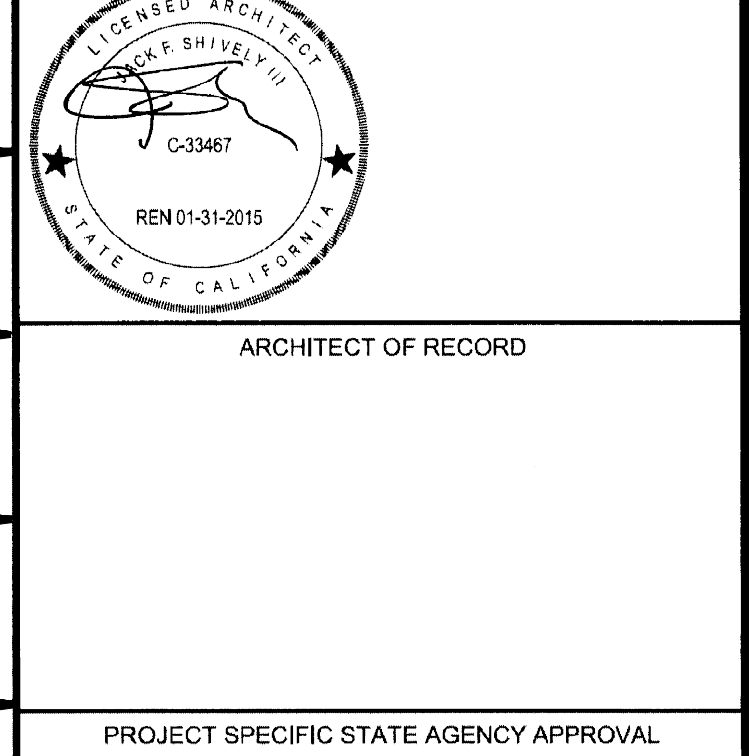
HUNEME ELEMENTARY  
8'-6" x 30'-0"  
TOILET BUILDING

SHEET TITLE:

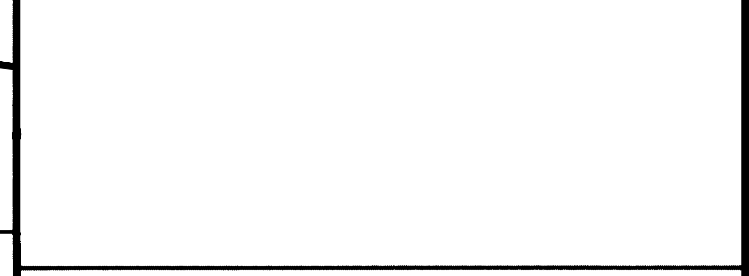
PLUMBING DETAILS  
AND SCHEDULE



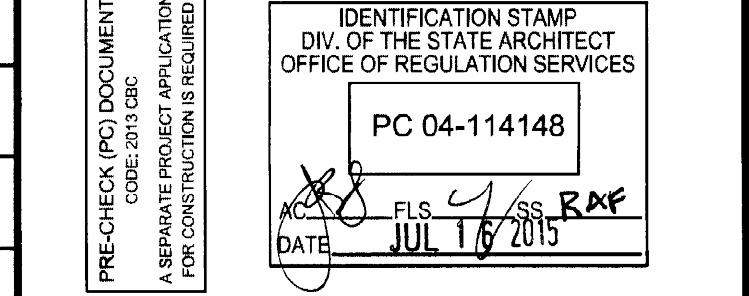
ARCHITECT OF RECORD



PROJECT SPECIFIC STATE AGENCY APPROVAL



ORIGINAL PC STATE AGENCY APPROVAL



REVISIONS

8'-6" RESTROOM PC (HIGH SEISMIC)

PROJECT NO:

DRAWN BY: FIL CARRILLO

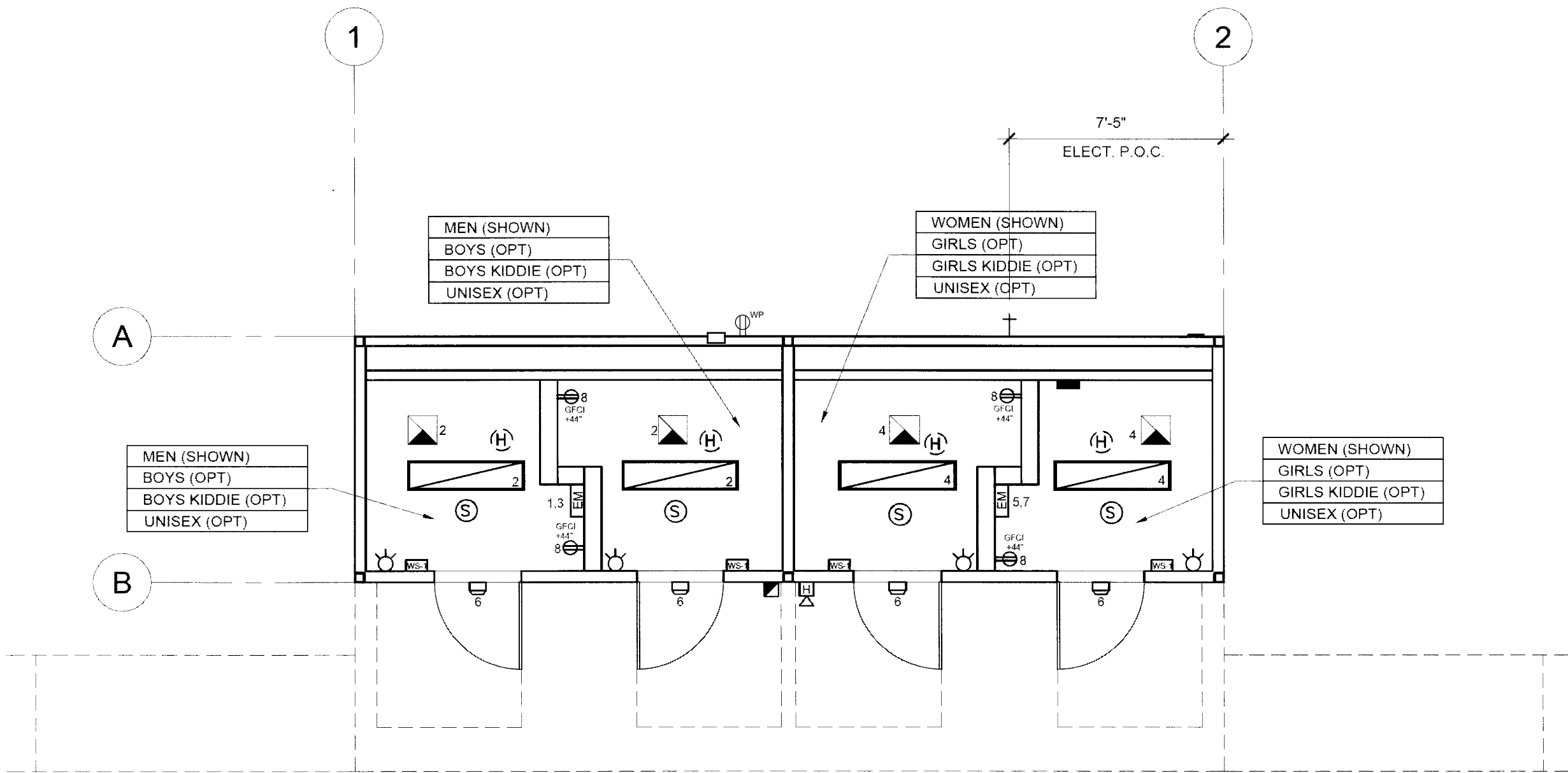
SCALE: AS NOTED

DATE: 02/04/2015

P.C. SHEET NUMBER

P-2.01



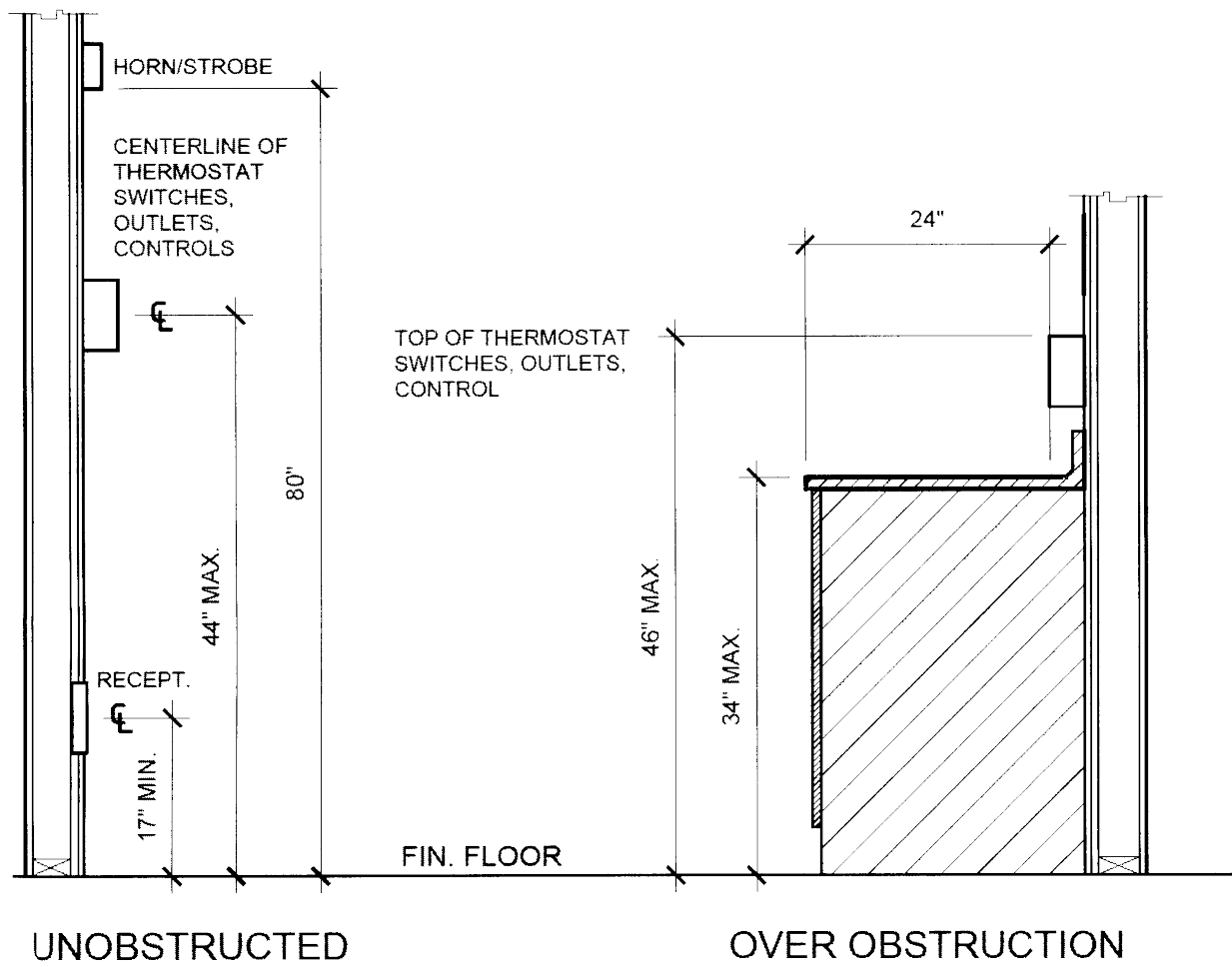


- NOTES**
- FOR COMPLETE ELECTRICAL AND FIRE ALARM SYSTEM, SEE ARCHITECT PLANS.
  - SUSPENDED CEILING SYSTEM NOT SHOWN FOR CLARITY ONLY AND NOT INTENDED FOR SPECIFIC PROJECT USE.

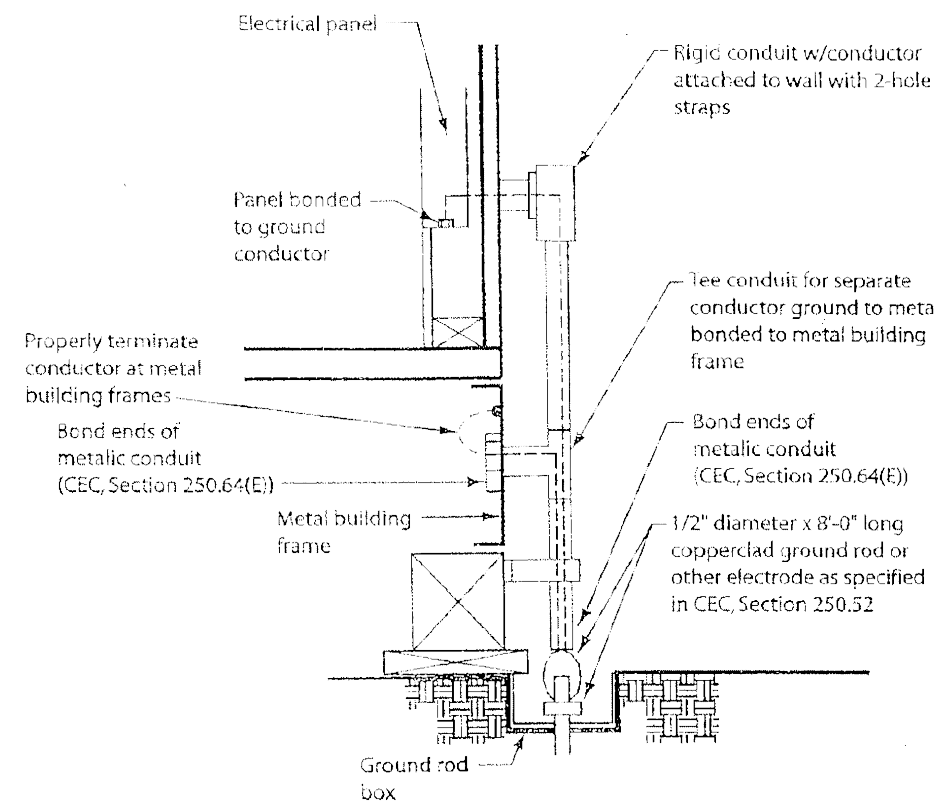
ELECTRICAL PLAN (8'-6" X 30'-0")

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

ELECTRICAL PANEL													
VOLTS: 120/208 V				PANEL: "A"				FEED: BOTTOM					
MAIN: 100A				LOCATION: INTERIOR ACCESS				MOUNTING: FLUSH					
LOAD	QTY	WATTS		BREAKER		Circuit	A	B	Circuit	Amps	P	WATTS	
		A <sub>eff</sub>	B <sub>eff</sub>	Amps	P							A <sub>eff</sub>	B <sub>eff</sub>
EEMAX		3250		30	2	1	●	2	20	1	366		
			3250	-	3	4	●	4	20	1	366		
EEMAX		3250		30	2	5	●	6	20	1	150		
DED - SOLAR READY			3250	-	7	8	●	8	20	1	720		
DED - SOLAR READY						9	●	10					
						11	●	12					
A = 7016	WATTS / PHASE	6500	6500									516	1086
TOTAL = 14,602	WATTS	60.84	AMPS	120/208	VOLTS							1 Ø	3 WIRE



TYPICAL MOUNTING HEIGHTS



- Size of conductors shall comply with CEC Table 250.66
- Bond separate conductors from ground rod to electrical panel and to metal building frame (CEC 250.52). In addition to the detail shown above, bond the electrical ground to metal underground water pipe in direct contact with the earth for 10 ft. or more, if available (CEC 250.52).
- Not used
- Check resistance to ground. If resistance exceeds 25 ohms, install additional ground rod greater than six feet away (CEC 250.55). Once the second ground rod is installed, additional ground resistance testing is not required.
- Where modular buildings are grouped together, a ground rod may be installed at the end buildings and a ground ring may be installed between them. Each intermediate modular building may be bonded to that ground ring. Where this method is used, ground resistance testing shall not be required.
- Where modular buildings are installed on concrete foundations, a JFGR ground shall be installed in the footing per (CEC 250.52 (A)(3)).
- Other grounding methods identified in CEC 250 shall be acceptable means to achieve adequate grounding of metal buildings in compliance with the above.

GROUNDING DETAIL (BY OWNER)

**GENERAL GROUNDING NOTES**

EACH BUILDING SHALL BE SEPARATELY GROUNDED WITH A 3/4" RD. X 8' COPPERCLAD STEEL GROUND ROD. WHERE ROCK BOTTOM IS ENCOUNTERED, ROD SHALL BE DRIVEN AT AN ANGLE NOT TO EXCEED 45 DEGREE'S FROM THE VERTICAL OR SHALL BE BURIED IN A TRENCH THAT IS AT LEAST 30" DEEP (BY SITE ELECTRICAL).

TESTING: TEST FOR RESISTANCE TO GROUND. IF RESISTANCE EXCEEDS 25 OHMS, INSTALL ADDITIONAL GROUND RODS SEPARATED AT LEAST 6'-0" UNTIL RESISTANCE IS REDUCES TO 25 OHMS OR LESS. (BY SITE ELECTRICAL).

APPROVAL OF THIS PLAN DOES NOT CONSTITUTE APPROVAL OF THIS FIRE ALARM FOR ALL SITES. THE FIRE ALARM SYSTEM AND/OR COMPONENTS MAYBE REQUIRED TO BE CHANGED DUE TO SITE LOCATION EXISTING CONDITIONS OR INCOMPATIBLE COMPONENTS.

GROUND MG TEST SHALL BE DONE IN THE PRESENCE OF THE PROJECT INSPECTOR. ALL GROUNDING SHALL BE IN ACCORDANCE WITH CEC ARTICLE 250.

FIRE ALARM NOTES

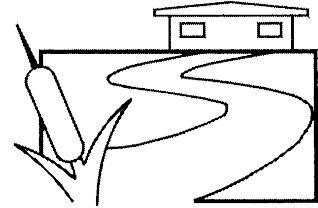
- SMOKE AND HEAT DETECTOR CONDUIT AND DEVICES PROVIDED AND INTERCONNECTED BY OTHERS TO FIRE ALARM SYSTEM
- PROVIDE DEDICATED FIRE ALARM 120 VOLT CIRCUIT CONNECTED TO LOCKED-ON BREAKER. THE CIRCUIT BREAKER SHALL BE LOCKED-ON WITH APPROVED LOCKING DEVICE, MARKED RED AND IDENTIFIED AS "FIRE ALARM CONTROL CIRCUIT". NFPA 72, 10.6.5.2.

LEGEND

- RECESSED MODEL #140P232FSA11K2Y  
4'x4' FLUORESCENT RECESSED MOUNT  
ACRYLIC PRISMATIC LENS, ELECTRONIC BALLAST, (1) 32 WATT T-8 TUBES  
LED LIGHT FIXTURE (NO BRAND SPECIFIED)
- 4SD J-BOX FOR FIRE ALARM STROBE (DEVICE BY OTHERS). MOUNT AT +80" AFF TO BOTTOM OF DEVICE WITH 3/4" CONDUIT TO EXTERIOR FIRE ALARM HORN WITH PULLSTRING OR VOICE EVAC SPEAKER. SWITCH AT +46" A.F.F. (OPTIONAL APPLICATION)
- OCCUPANCY MOTION SENSOR DEVICE, OCS15-ID @ +46" (STANDARD APPLICATION)
- EXTERIOR LED LIGHT FIXTURE. 30w MAX WITH PHOTOCELL MOUNT AT +93" AFF MERU SERIES ACEM-DB
- FIRE ALARM HORN (WATERPROOF) J-BOX ONLY W/ 3/4"Ø CONDUIT, +90" A.F.F.
- FIRE ALARM PULL STATION (J-BOX ONLY) MOUNT AT +48" AFF TO TOP OF BOX
- SMOKE DETECTOR J-BOX ONLY W/ 3/4"Ø CONDUIT @ CEILING
- HEAT DETECTOR J-BOX ONLY W/ 3/4"Ø CONDUIT IN ATTIC SPACE
- 110V RECEPTACLE 20 AMP SPECIFICATION GRADE @ +15" A.F.F. TO BOTTOM OF BOX U.N.O.
- 120 V - GROUND FAULT CIRCUIT INTERRUPTOR (GFCI) RECEPT, 20 AMPS @ +44" A.F.F. UNLESS NOTED OTHERWISE.
- 100 AMP RECESSED ELECTRICAL PANEL
- NUTONE QT-100 EXHAUST FAN
- CONDUIT
- DUAL EEMAX EX65 INSTANT WATER HEATER (220V)

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"BUILDING FOR THE NEXT GENERATION"

**SILVER CREEK**

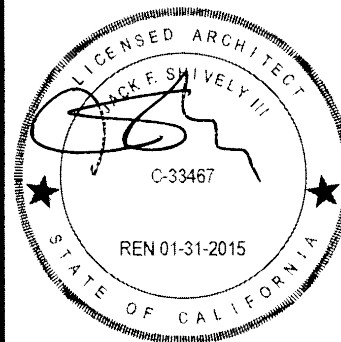
2830 BARRETT AVE. PERRIS, CALIFORNIA 92571  
PHONE: 951-943-5393 FAX: 951-943-2211

PROJECT NAME:

**HUNEME ELEMENTARY**  
**8'-6" x 30'-0"**  
**TOILET BUILDING**

SHEET TITLE:

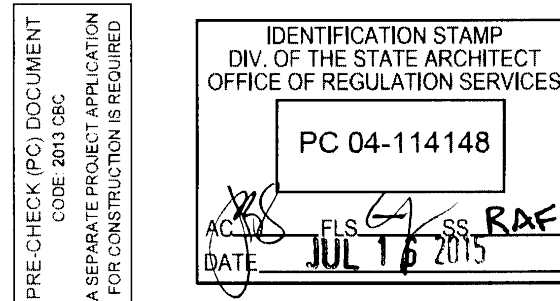
**ELECTRICAL PLAN**  
**AND SCHEDULES**  
**(8'-6" X 30'-0")**



ARCHITECT OF RECORD

PROJECT SPECIFIC STATE AGENCY APPROVAL

ORIGINAL PC STATE AGENCY APPROVAL



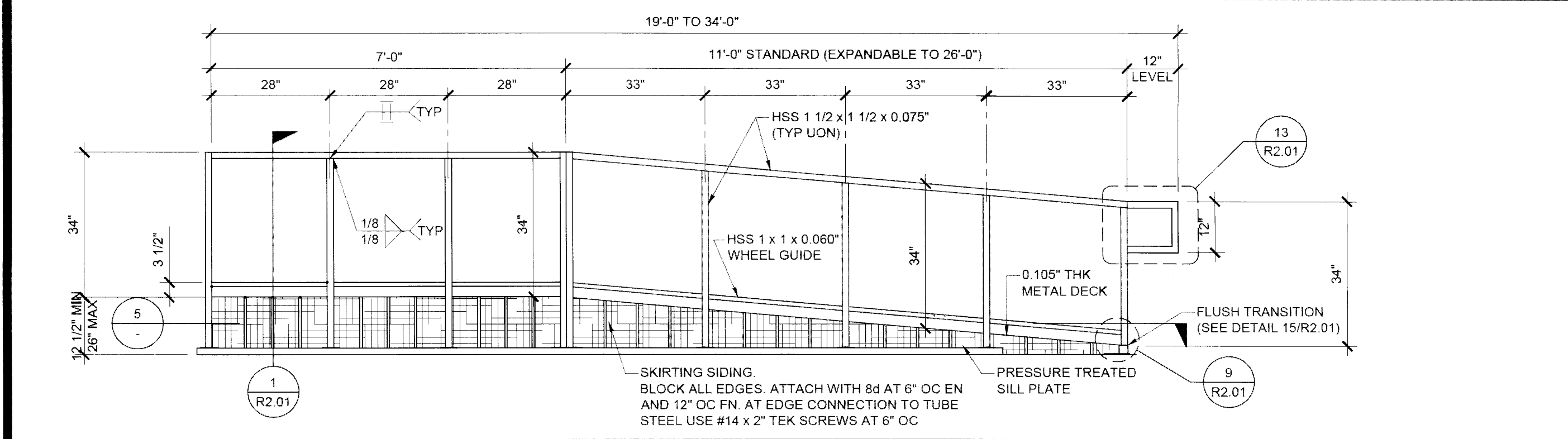
REVISIONS

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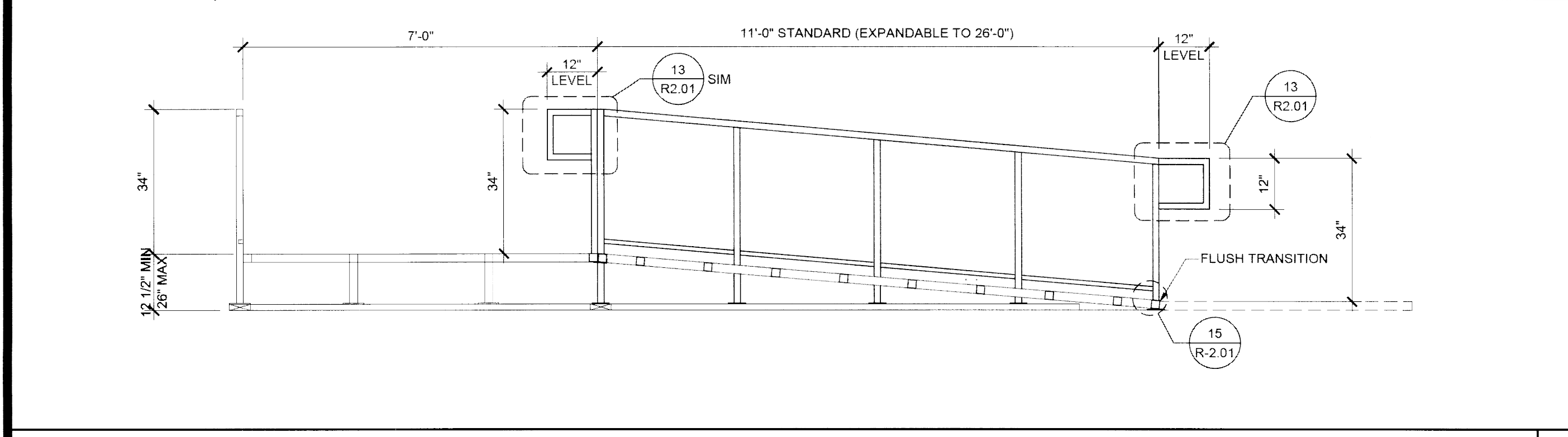
8'-6" RESTROOM PC (HIGH SEISMIC)

PROJECT NO:  
DRAWN BY: FIL CARRILLO  
SCALE: AS NOTED  
DATE: 02/04/2015  
P.C. SHEET NUMBER

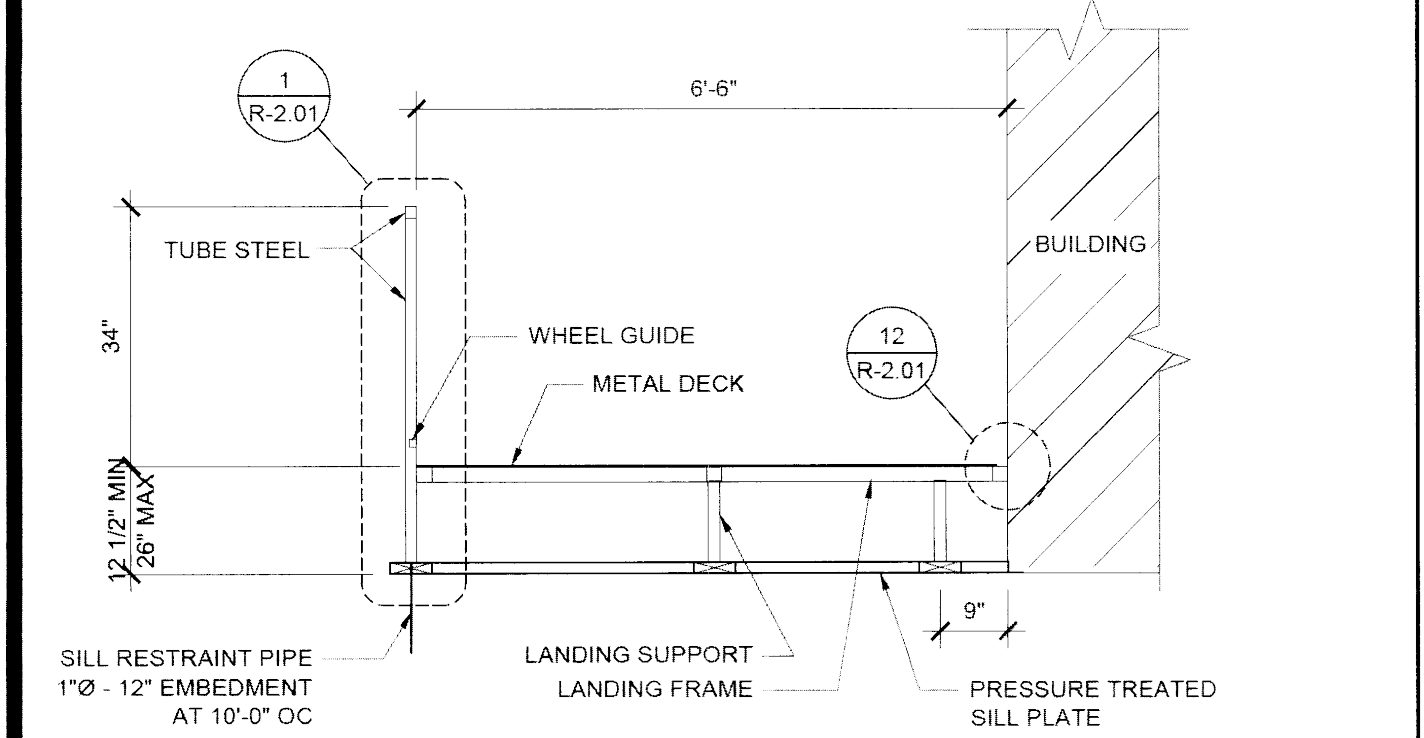
**E-1.03**



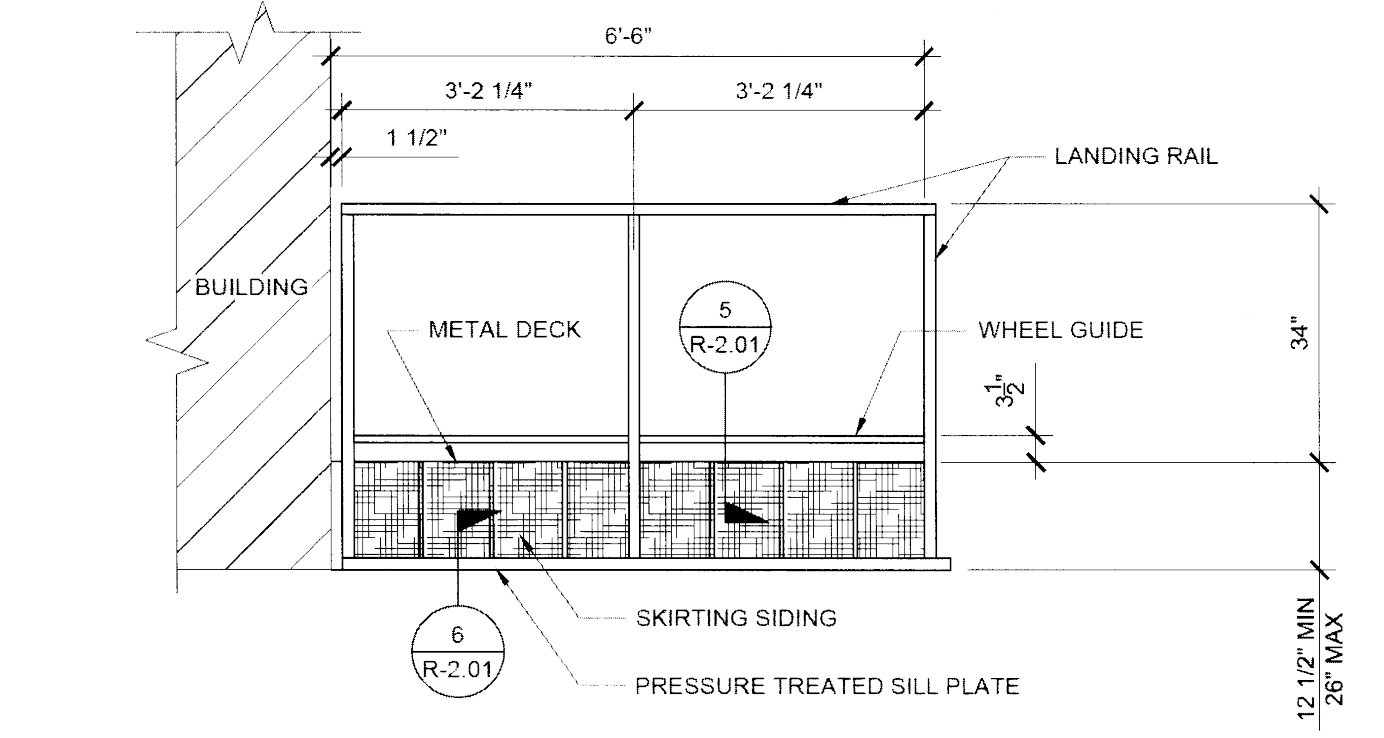
RAMP AND LANDING ELEVATION



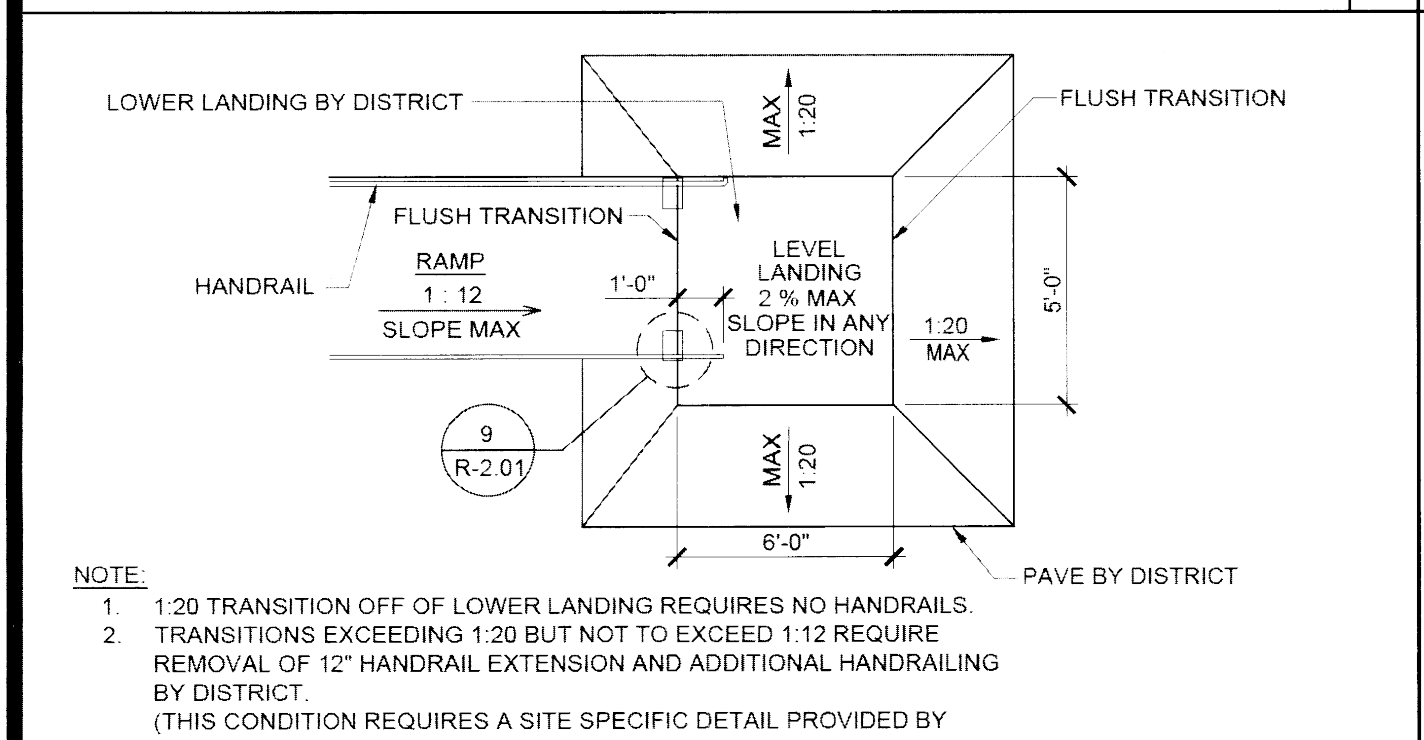
SECTION AT RAMP AND LANDING



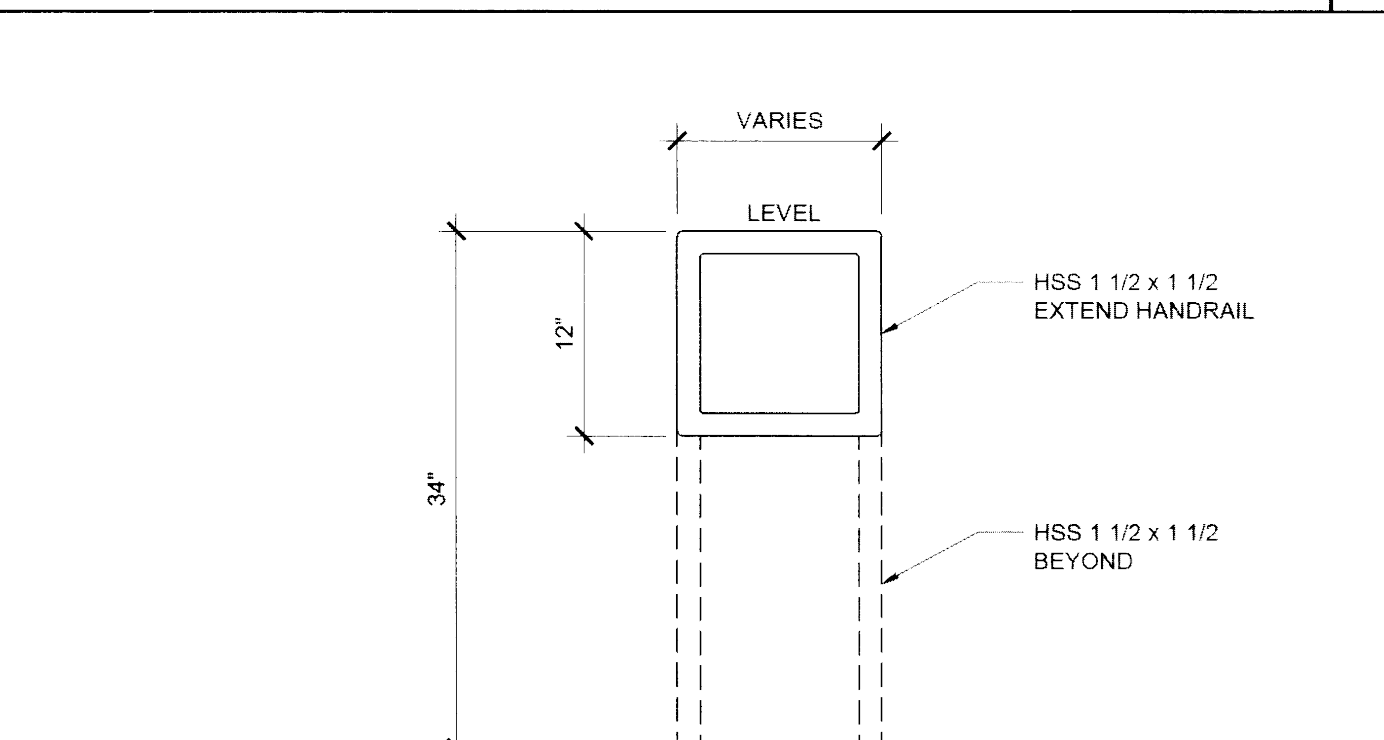
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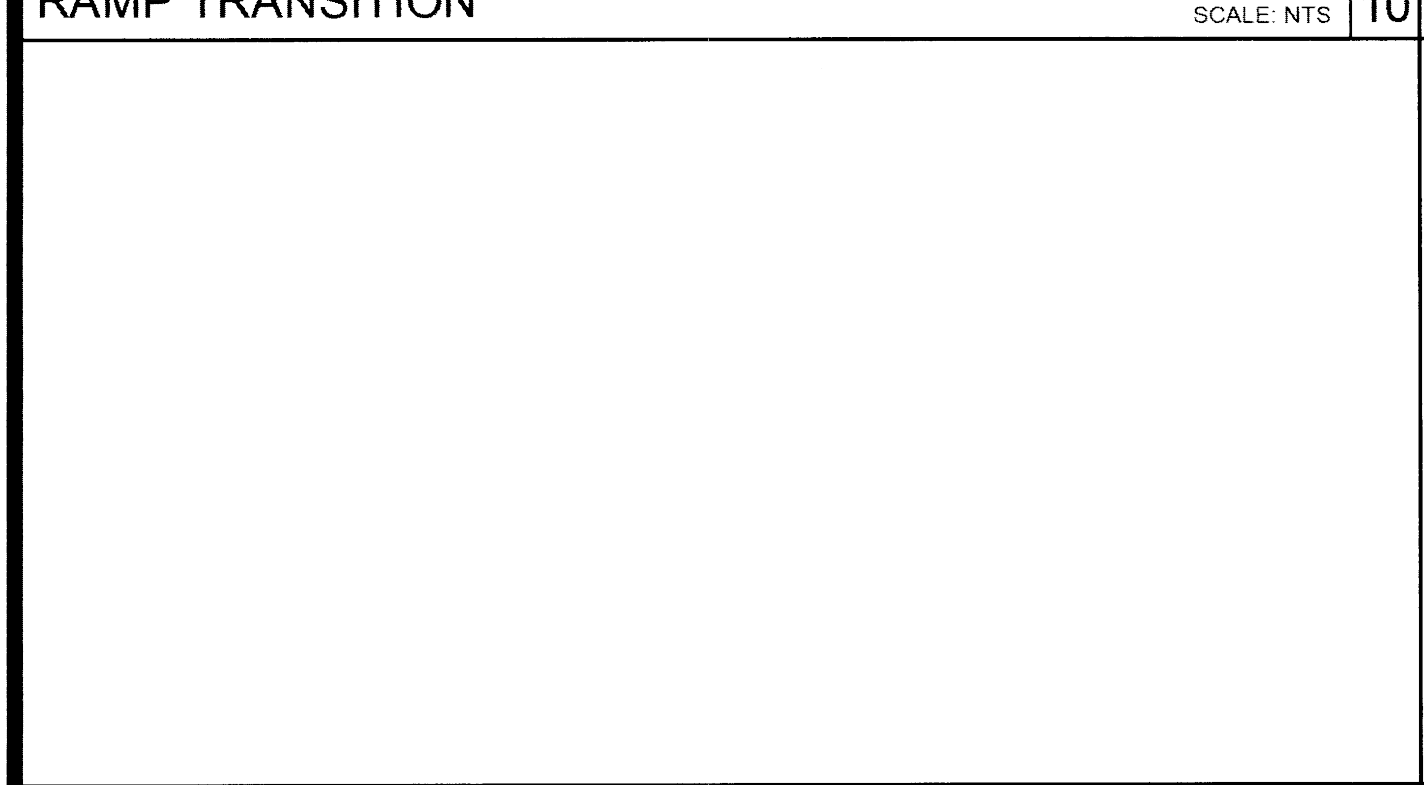
LANDING ELEVATION



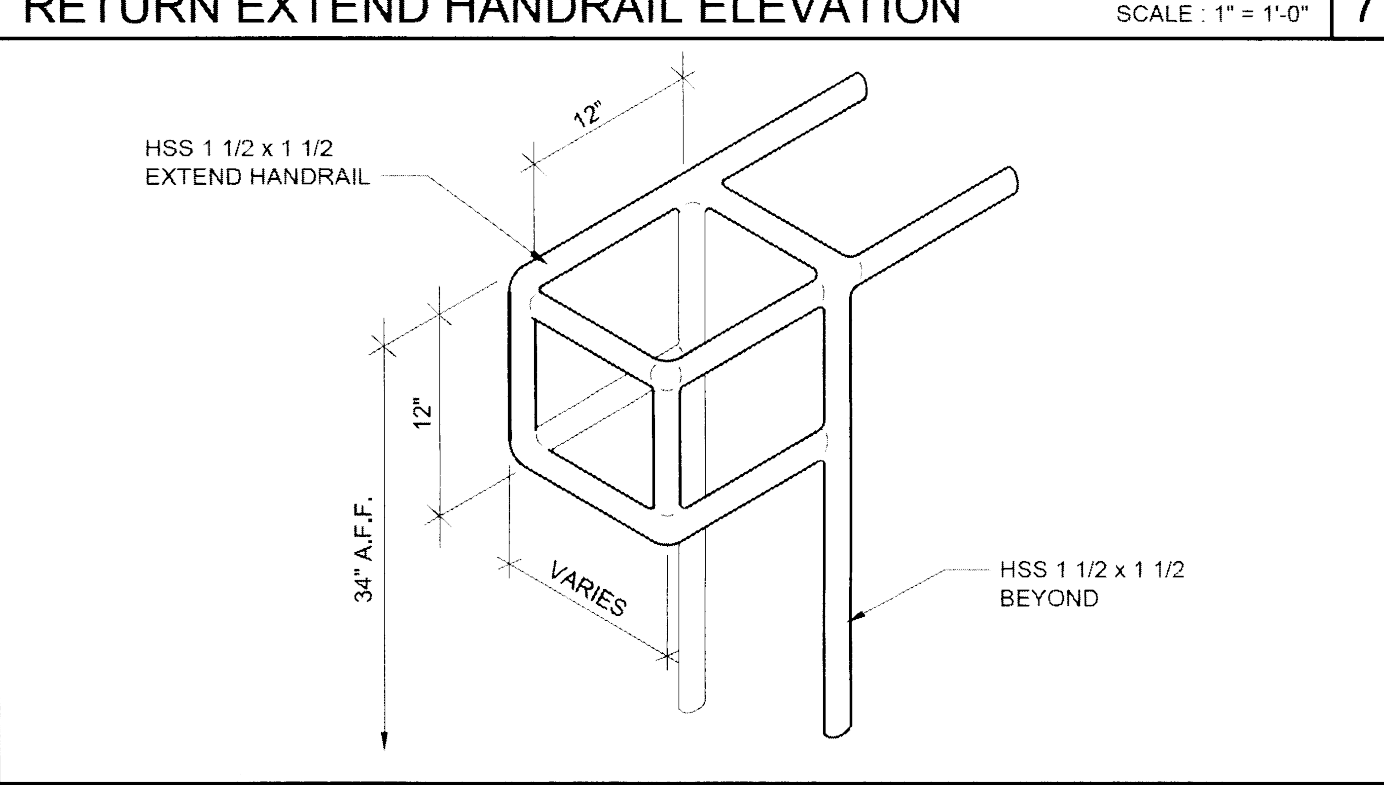
RAMP TRANSITION



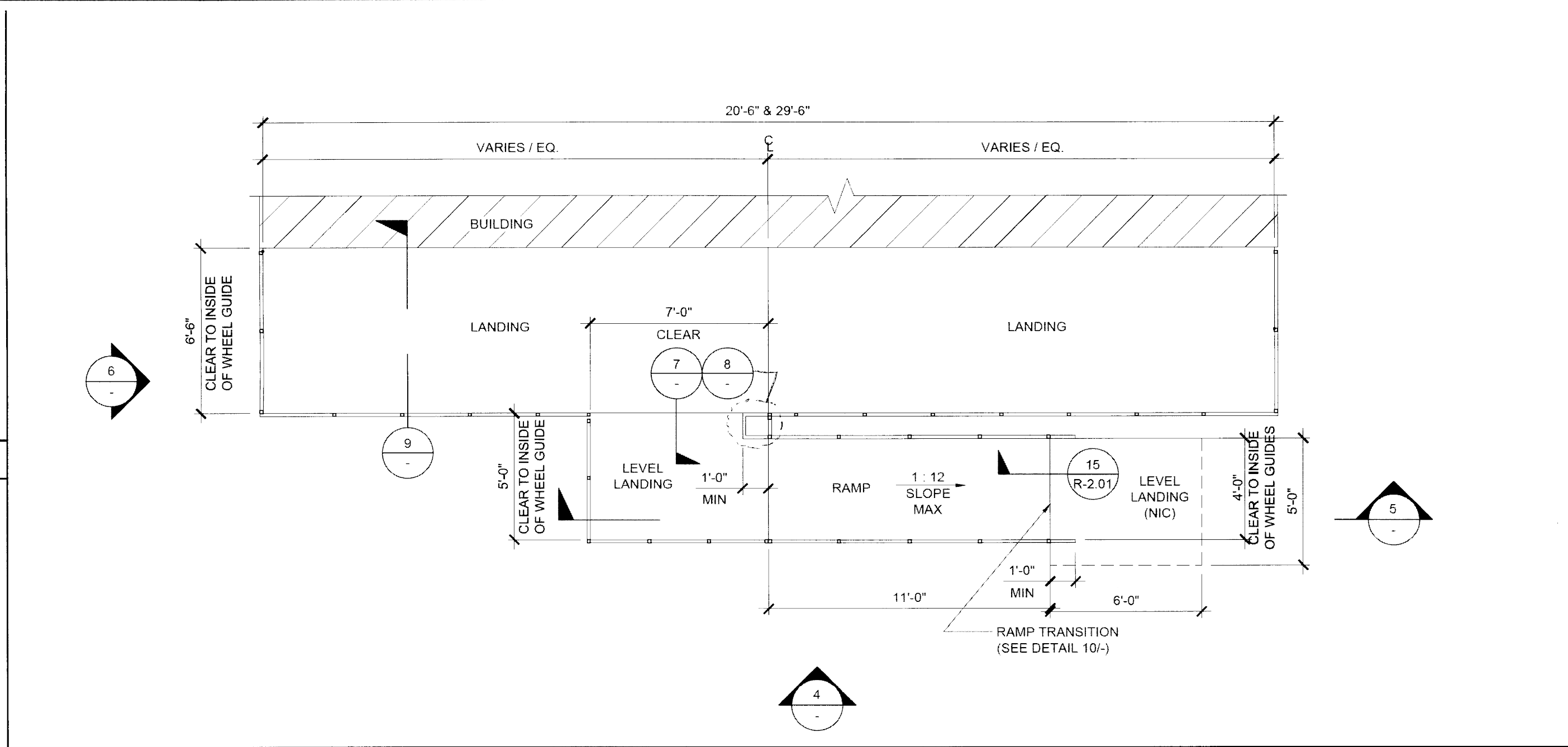
RETURN EXTEND HANDRAIL ELEVATION



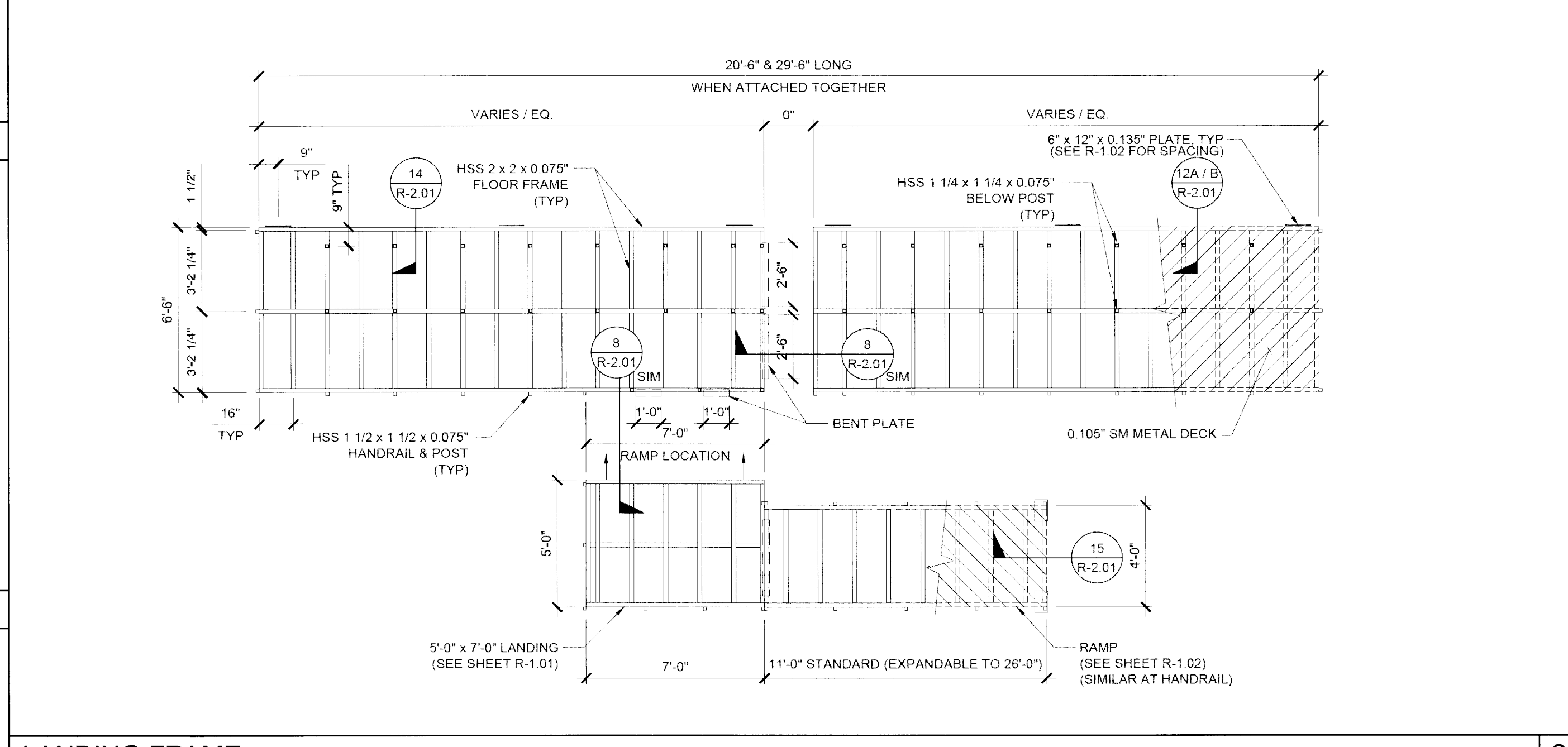
RETURN EXTEND HANDRAIL ISOMETRIC



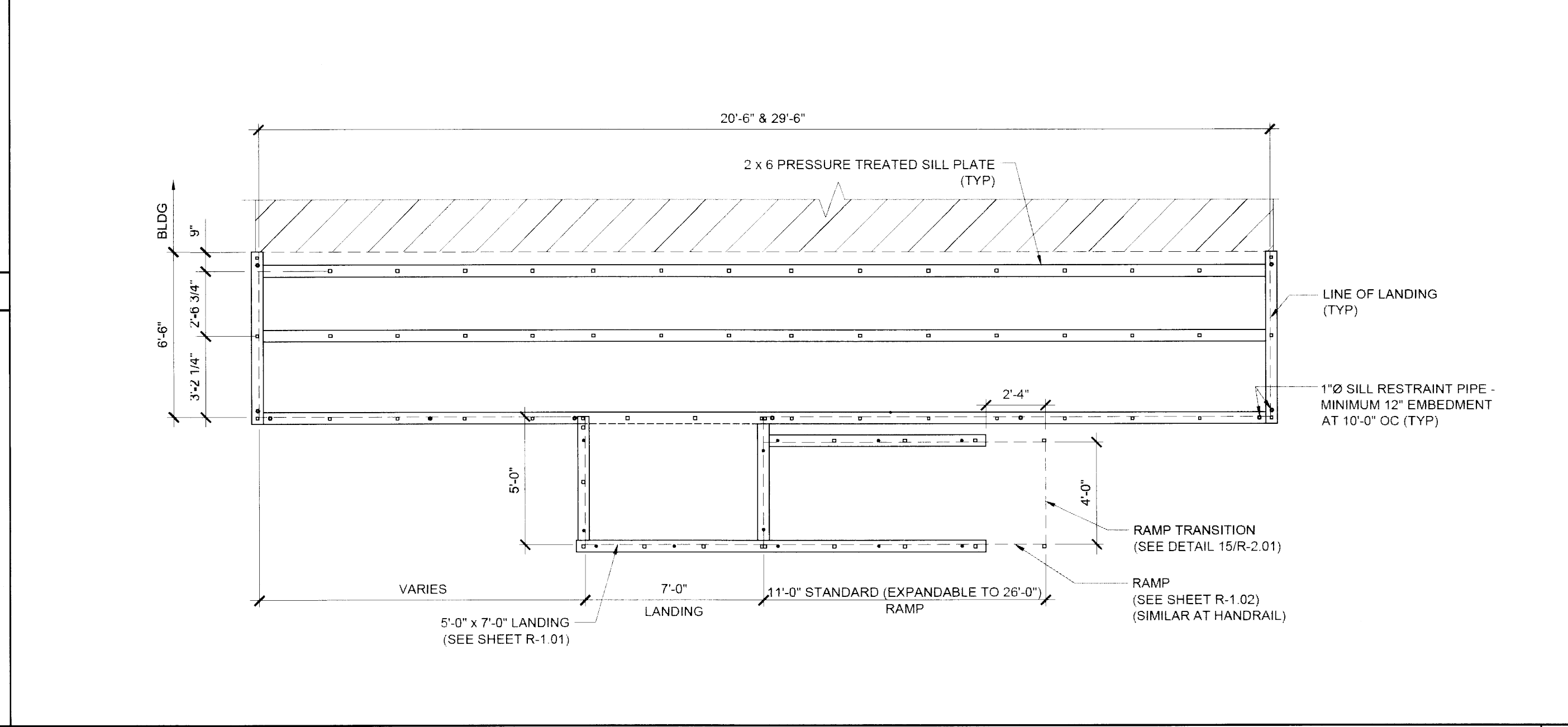
RETURN EXTEND HANDRAIL ISOMETRIC



LANDING PLAN



LANDING FRAME



SILL PLAN FOR RAMP AND LANDING

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PHONE: 951-943-5393 FAX: 951-943-2211

PROJECT NAME:

HUNEME ELEMENTARY

8'-6" x 30'-0"

TOILET BUILDING

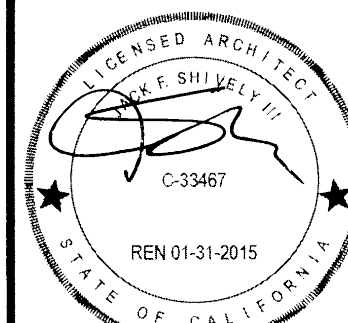
SHEET TITLE:

RAMP & LANDING

PLAN FOR

21'-6" & 30'-0" BLDG

ARCHITECT OF RECORD



ARCHITECT OF RECORD

PROJECT SPECIFIC STATE AGENCY APPROVAL

ORIGINAL PC STATE AGENCY APPROVAL

IDENTIFICATION STAMP  
DIV. OF THE STATE ARCHITECT  
OFFICE OF REGULATION SERVICES  
PC 04-114148  
DATE JUL 16 2015

REVISIONS

NO.	DESCRIPTION
1	
2	
3	
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8'-6" RESTROOM PC (HIGH SEISMIC)

PROJECT NO.

DRAWN BY: FIL CARRILLO

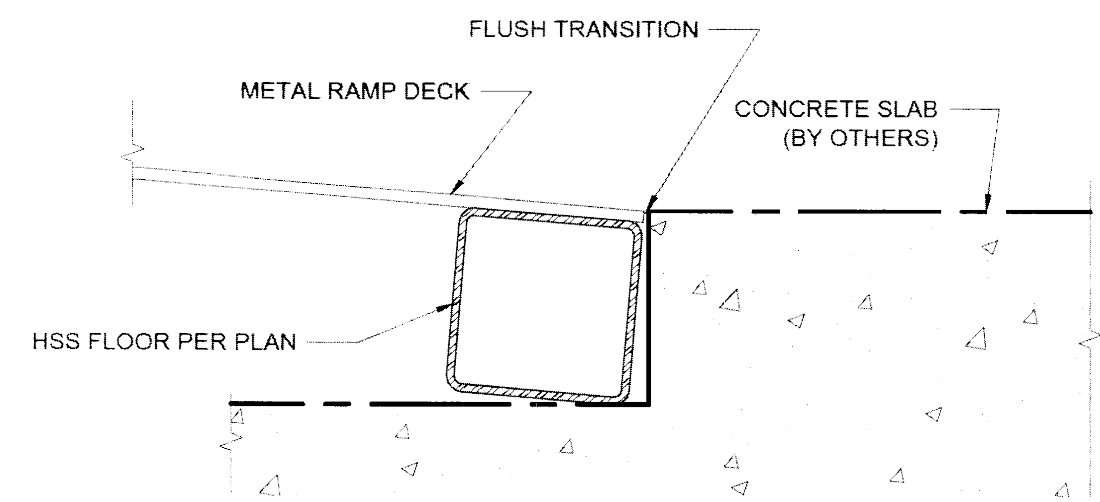
SCALE: AS NOTED

DATE: 02/04/2015

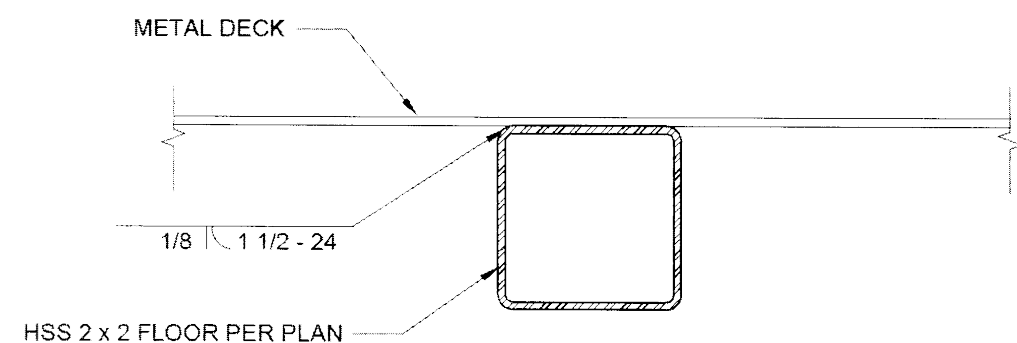
P.C. SHEET NUMBER

R-1.03

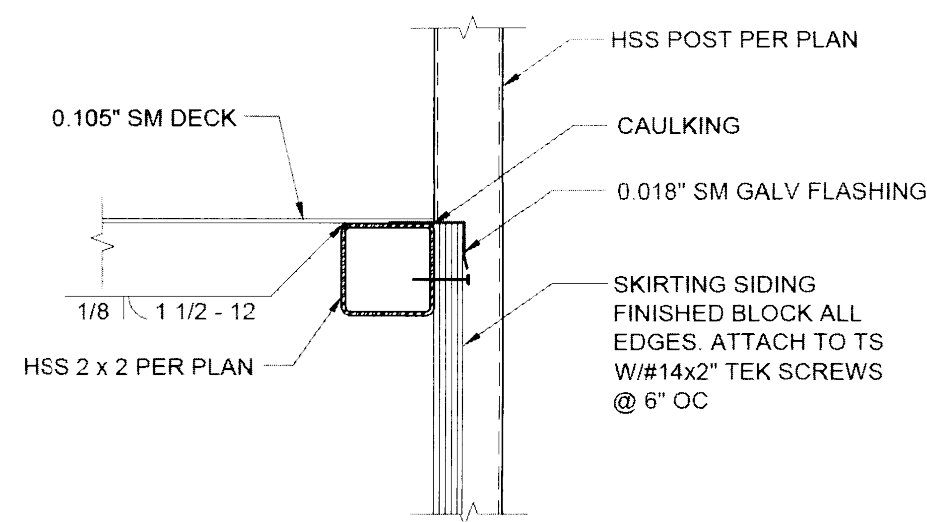




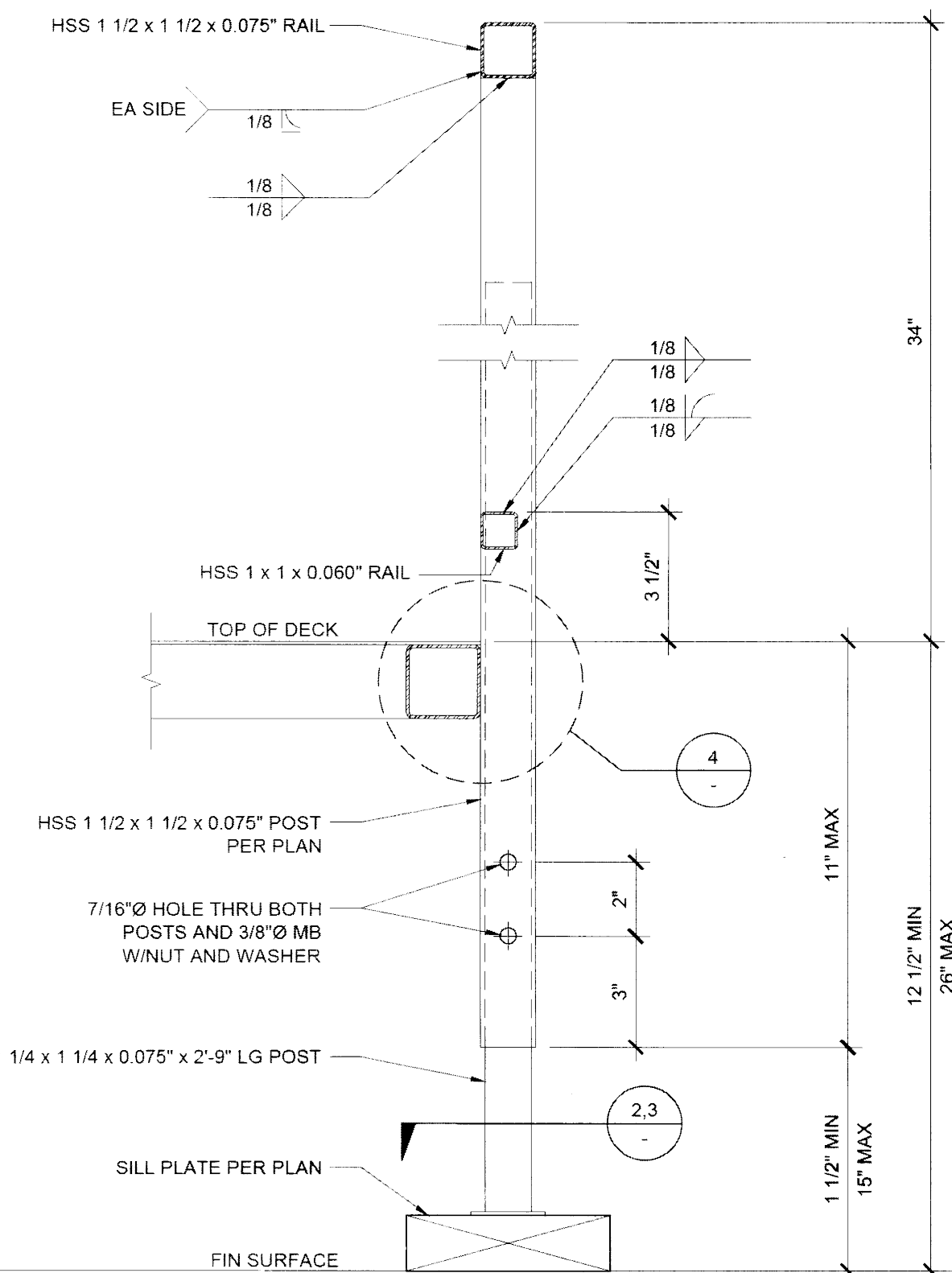
FLUSH TRANSITION AT BOTTOM OF RAMP SCALE : 6" = 1'-0"



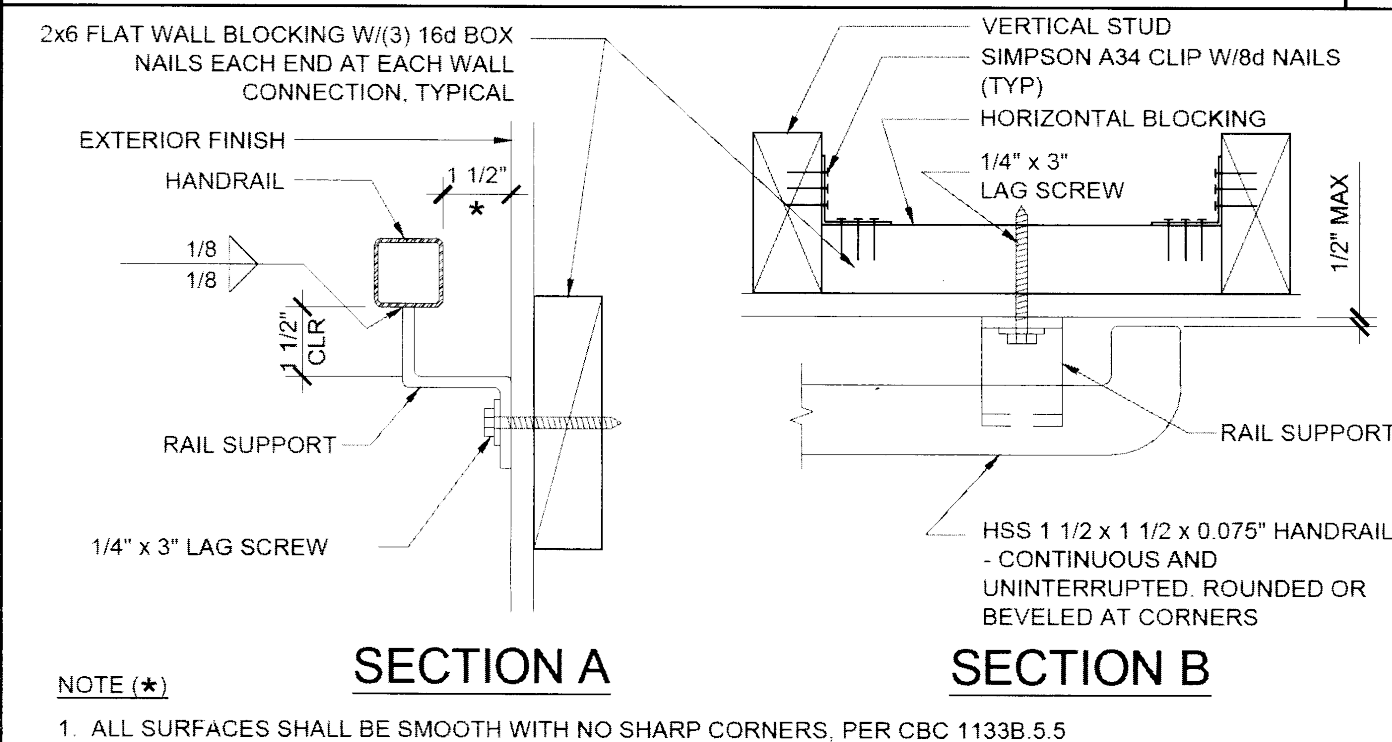
DECK TO FRAME



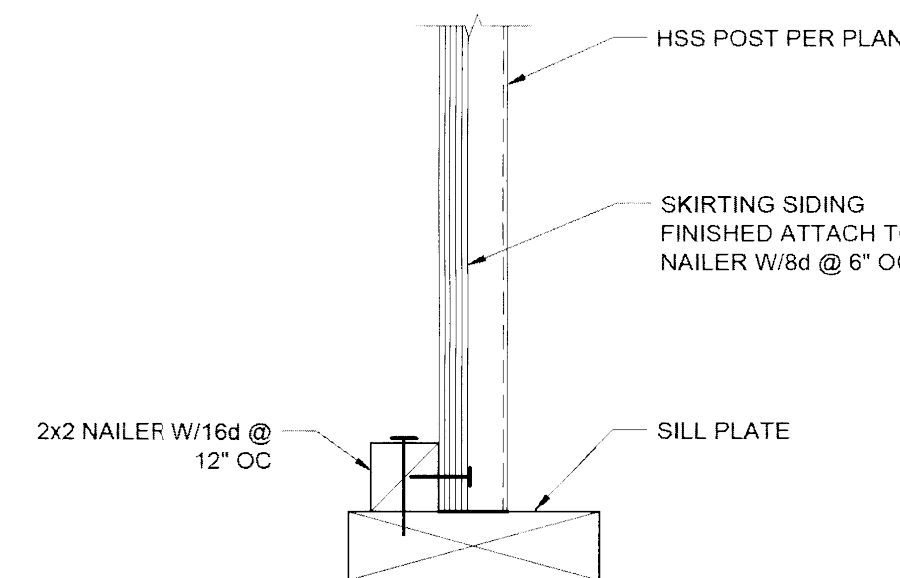
SKIRT FLASHING



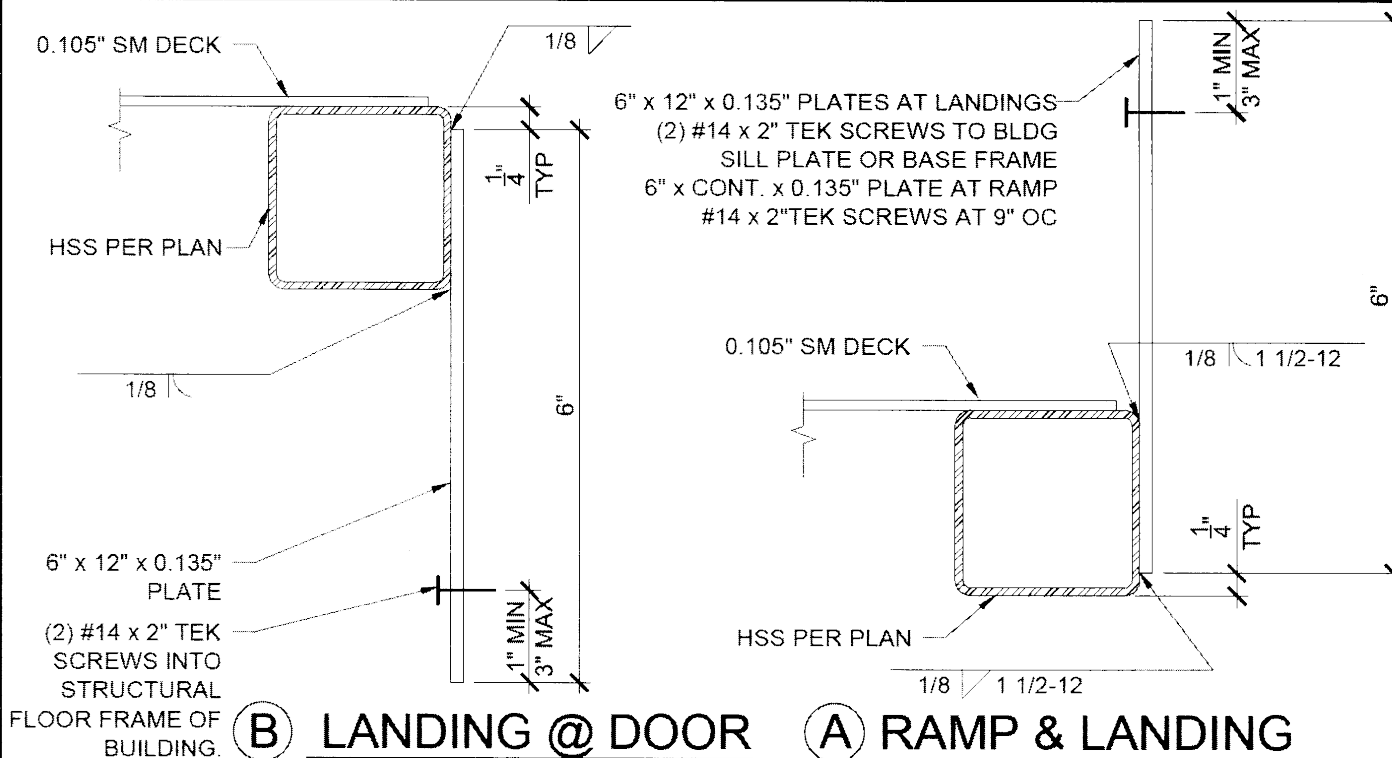
ADJUSTABLE LEG



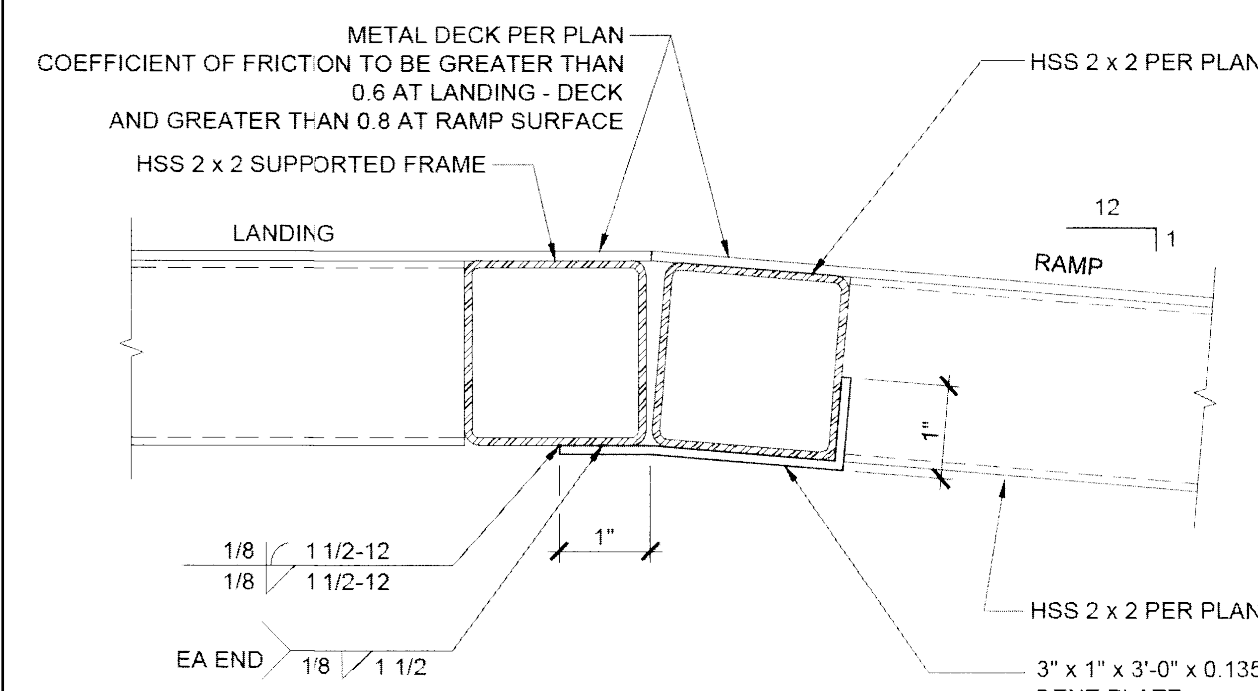
16 HANDRAIL CONNECTION AT WOOD BLOCKING SCALE : 3" = 1'-0" 17



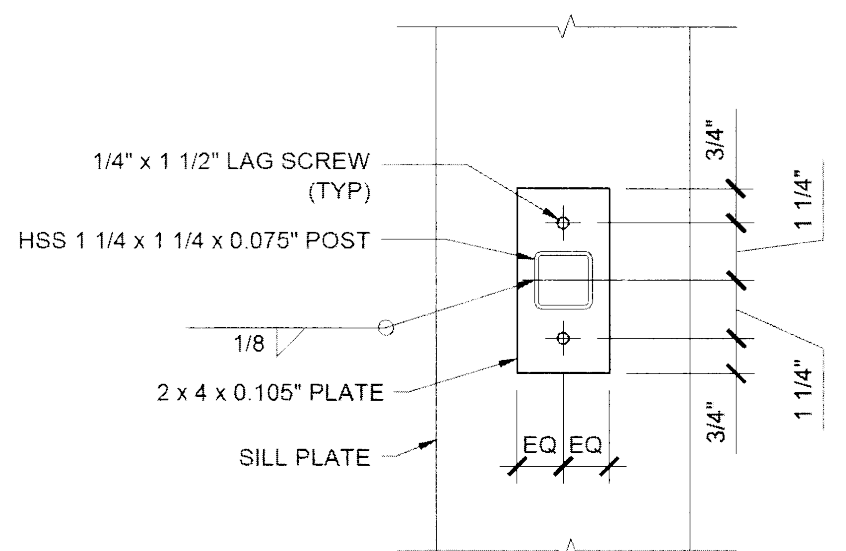
SKIRT FLASHING AT SILL PLATE



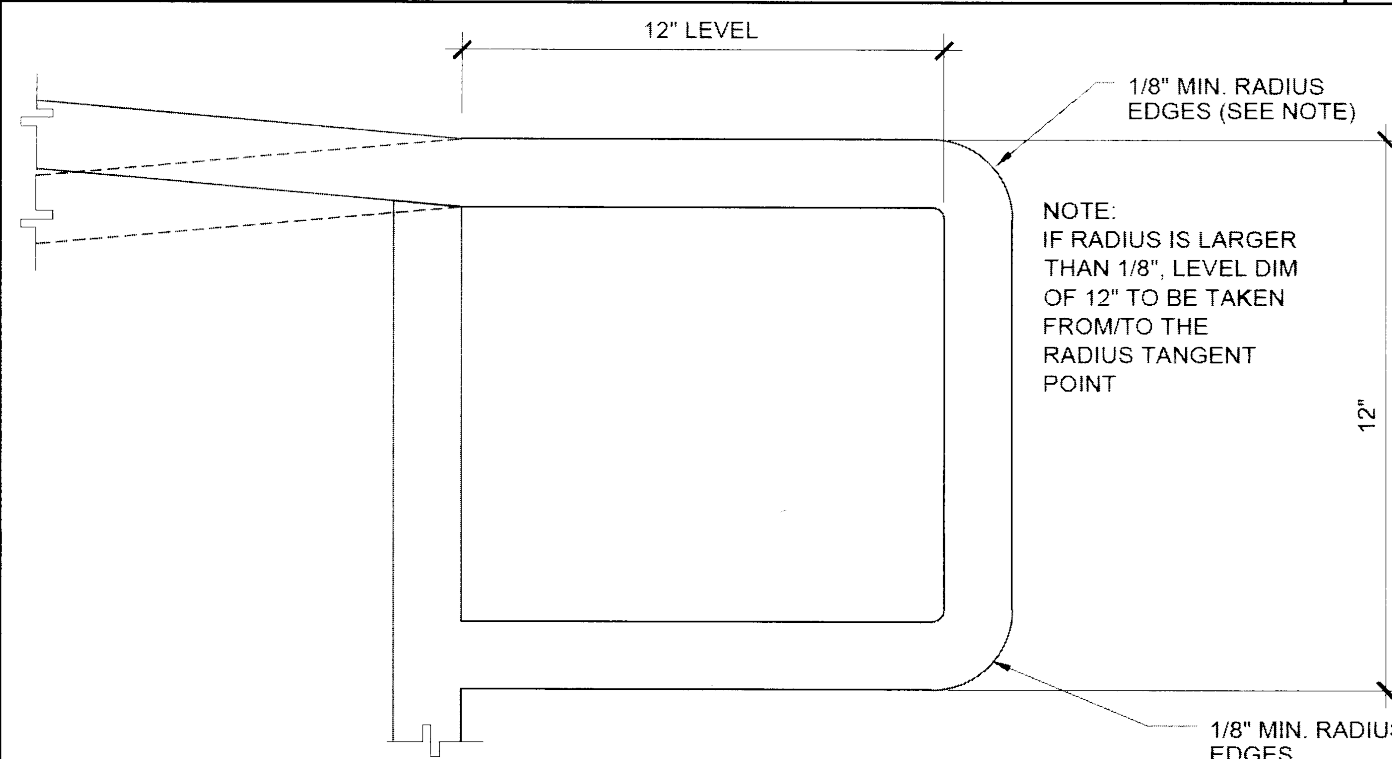
17	SECTION AT PLATE	SCALE : 6" = 1'-0"	12
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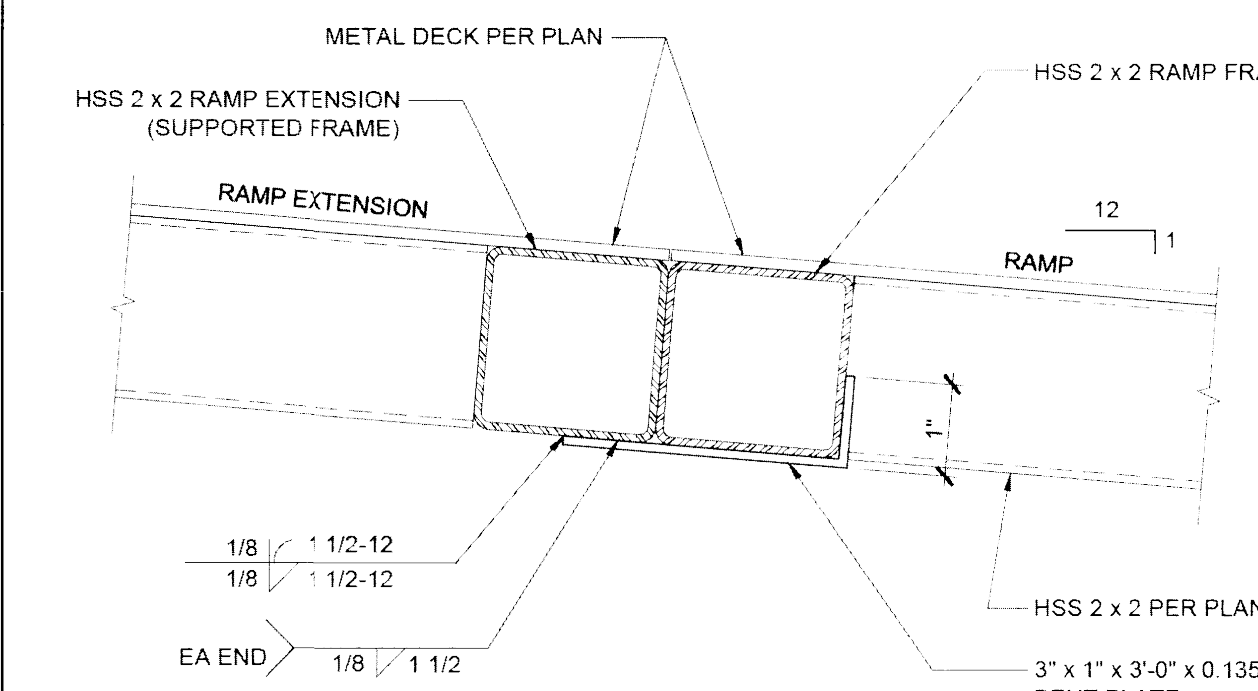
RAMP AT LANDING



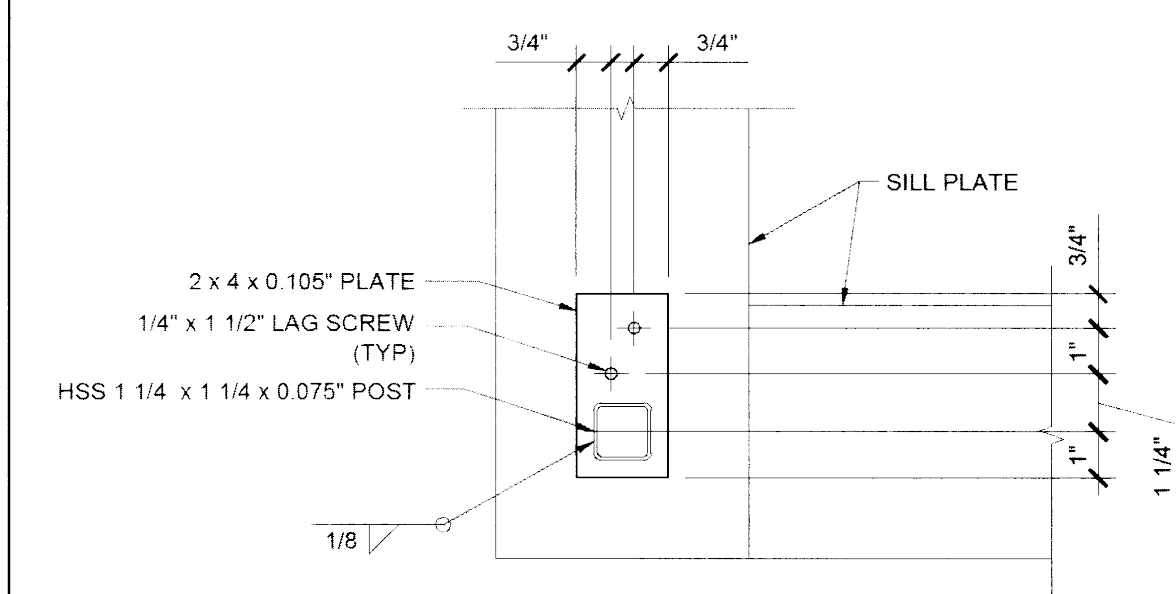
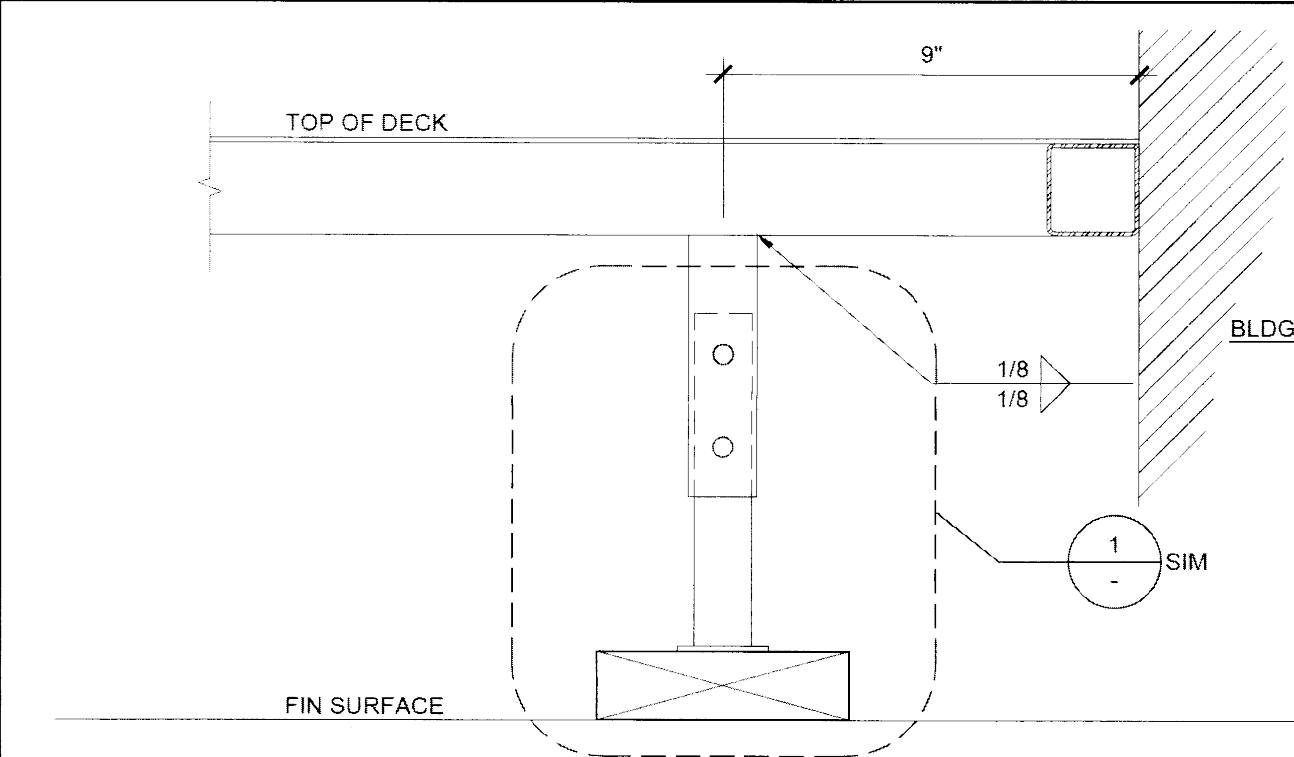
ADJUSTABLE LEG BASE PLATE



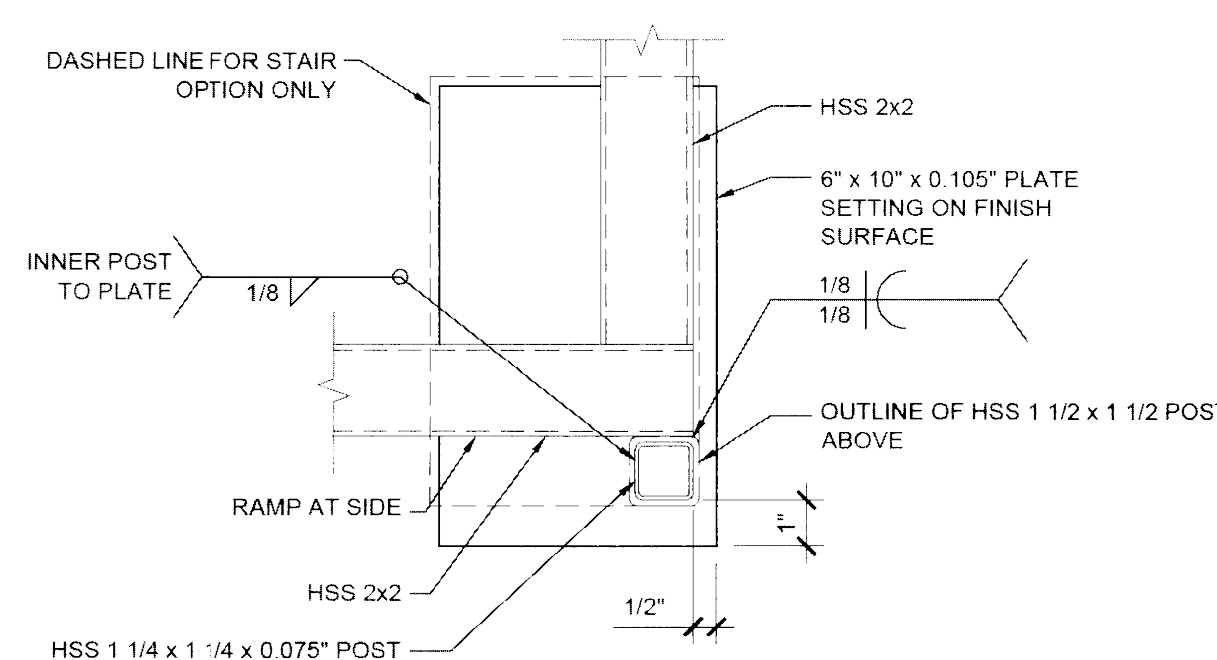
EXTEND HANDRAIL @ TOP OR BOTT. ENDS



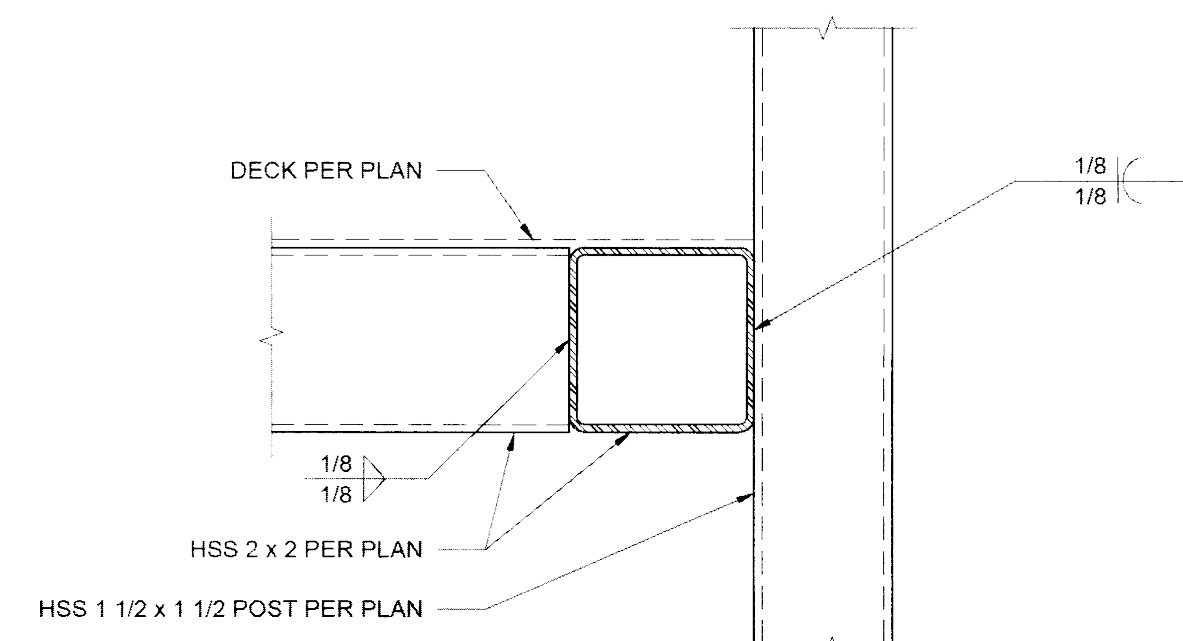
RAMP EXTENSION

ADJUSTABLE LEG BASE PLATE SCALE: 3" = 1'-0"

INTERIOR LANDING LEG SECTION



BASE PLATE AT RAMP TOE



GUARDRAIL POST ATTACHMENT

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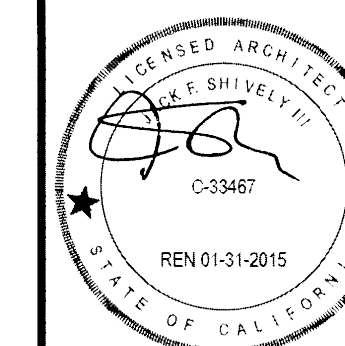
2830 BARRETT AVE. PERRIS, CALIFORNIA 92571  
PHONE: 951-943-5393 FAX: 951-943-2211

PROJECT NAME

HUNEME ELEMENTARY  
8'-6" x 30'-0"  
TOILET BUILDING

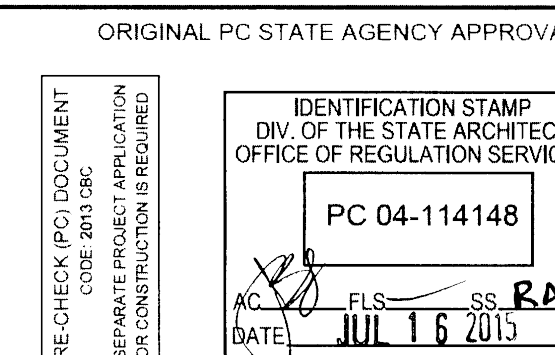
SHEET TITLE

## RAMP DETAILS



ARCHITECT OF RECORD

PROJECT SPECIFIC STATE AGENCY APPROVAL \_\_\_\_\_



## REVISIONS

8'-6" RESTROOM PC (HIGH SEISMIC

PROJECT NO. \_\_\_\_\_

DRAWN BY: FIL CARRILLO

SCALE: AS NOTED

P.C. SHEET NUMBER

R-2.01