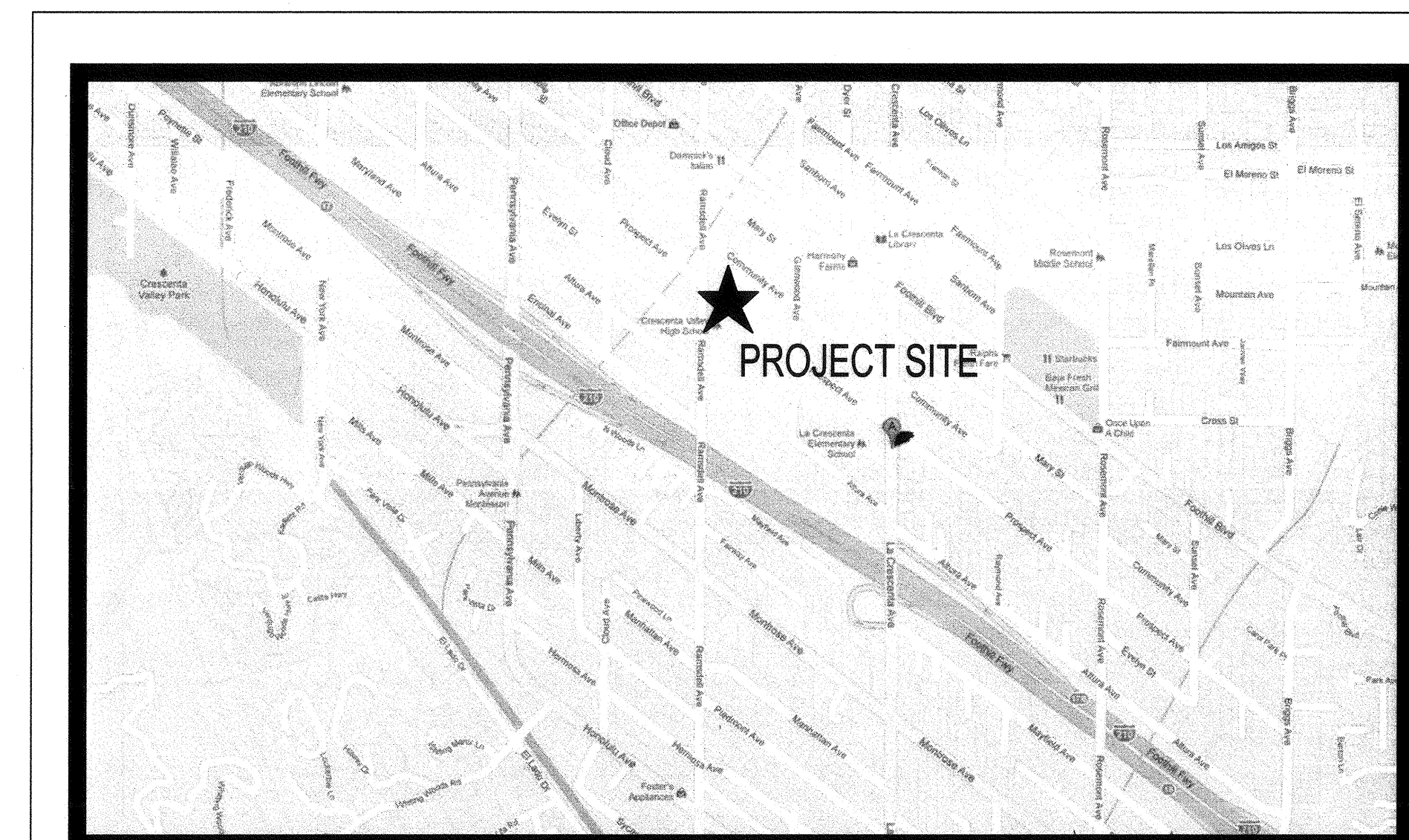


CRESCENTA VALLEY HIGH SCHOOL SPORTS MEDICINE MODULAR BLDG.

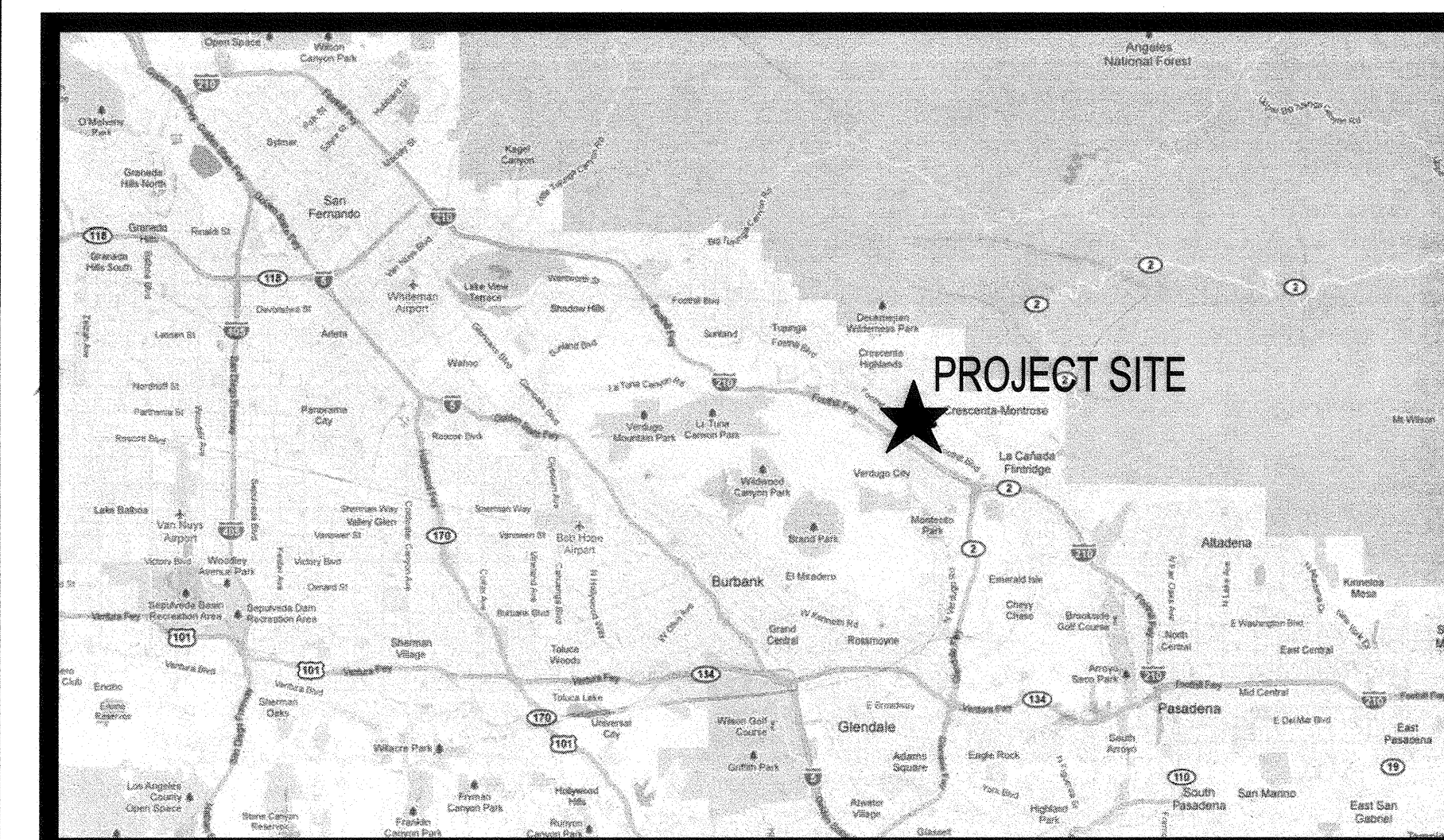


2900 COMMUNITY AVENUE, LA CRESCENTA, CA 91214

GLENDALE UNIFIED SCHOOL DISTRICT



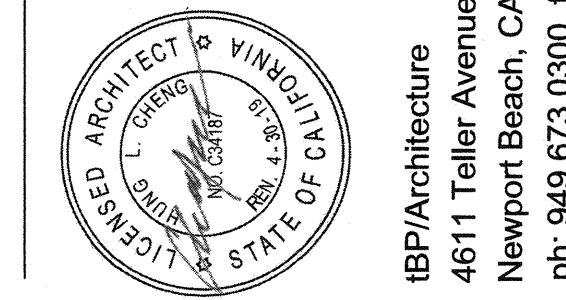
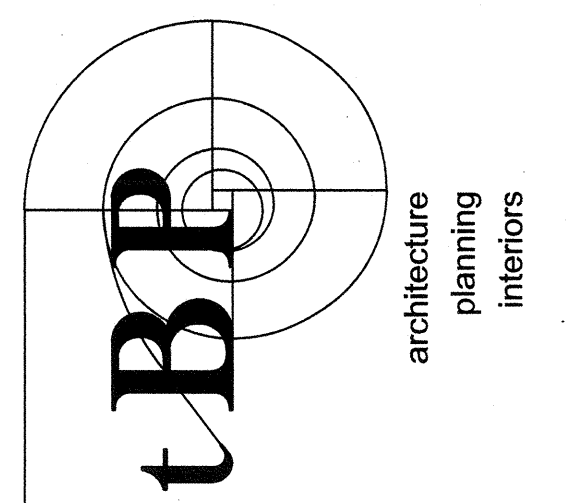
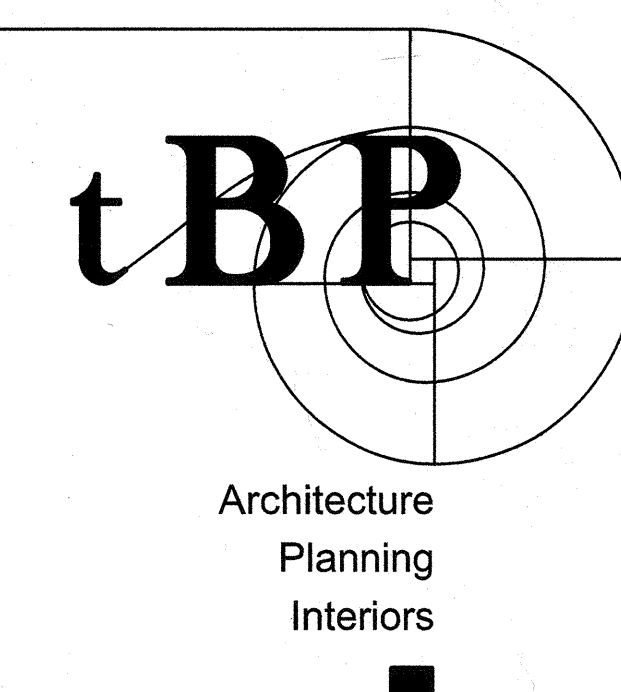
VICINITY MAP



REGIONAL MAP

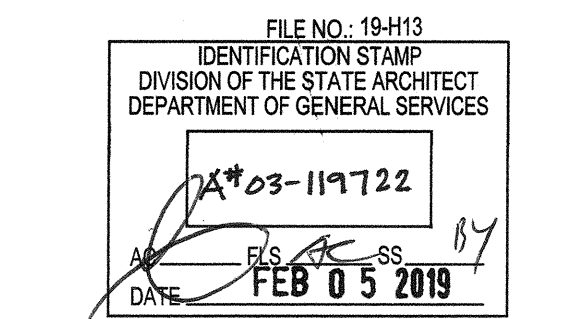
tBP /Architecture

4611 Teller Avenue - Newport Beach - California - 92660
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 ph: 949.673.0300 - fx: 949.732.3895



architect

consultant



DEPARTMENT OF GENERAL SERVICES
 DIVISION OF THE STATE ARCHITECT
 355 SOUTH GRAND AVENUE, SUITE 2100
 LOS ANGELES, CA 90071
 Ph: (213)897-3995 Fx: (213)897-3159/0726

agency

**CRESCENTA VALLEY HIGH SCHOOL
 SPORTS MEDICINE MODULAR BLDG.**
 GLENDALE UNIFIED SCHOOL DISTRICT
 2900 COMMUNITY AVENUE
 LA CRESCENTA, CALIFORNIA 91214

owner

tBP project number : 21015.00

file name:

drawn by: checked by:

date: FEBRUARY 05, 2019

Rev: date: description:

drawing title:

COVER SHEET

drawing no.:

T-1

drawing of

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ABBREVIATIONS

Table of abbreviations for various construction materials and components, including AND, ANGLE, AT, CENTRILINE, DIAMETER OR ROUND, NUMBER, ANCHOR BOLT, ASPHALTIC CONCRETE, etc.

SUMMARY OF WORK

THE PROJECT CONSISTS OF THE PLACEMENT OF (1) 32x60 MODULAR BUILDING FOR SPORTS MEDICINE USE, PG02-116071.

GENERAL NOTES

ALL WORK TO CONFORM TO 2019 EDITION TITLE 24, CALIFORNIA CODE OF REGULATIONS (CCR) CHANGES TO THE APPROVED DRAWINGS AND SPECIFICATIONS SHALL BE MADE BY ADDENDA OR CONSTRUCTION CHANGE DOCUMENTS APPROVED BY THE DIVISIONS OF THE STATE ARCHITECT, AS REQUIRED BY SECTION 4-336, PART 1, TITLE 24, C.C.R.

PROJECT DIRECTORY

OWNER: GLENDALE UNIFIED SCHOOL DISTRICT, 349 WEST MAGNOLIA, GLENDALE, CA 91204

ELECTRICAL ENGINEER

FBA ENGINEERING, 150 PALAARINO SUITE A120, COSTA MESA, CA 92626

ARCHITECT

IBP/ARCHITECTURE, 4611 TELLER AVENUE, NEWPORT BEACH, CA 92660

CIVIL ENGINEER

IFL AND ASSOCIATES, INC., 30 CORPORATE PARK, SUITE 401, IRVINE, CA 92606

PORTABLE NOTES

THE DESIGN PROFESSIONAL IN RESPONSIBLE CHARGE SHALL SUBMIT A LETTER CERTIFYING THAT THE EXISTING BUILDING CONFORMS TO THE ORIGINALLY APPROVED PLANS AND SPECIFICATIONS AND HAS NOT SUFFERED STRUCTURAL DETERIORATION OR BEEN STRUCTURALLY ALTERED PER DSA IR 16-1-13

THE FOLLOWING DOCUMENTS SHALL BE ON THE JOB SITE PRIOR TO INSTALLATION OF THE UNITS:

IN-PLANT INSPECTOR AND MANUFACTURER SHALL FOLLOW THE REQUIREMENTS OF DSA IR 16-1-13 AND INCLUDE THE FOLLOWING INFORMATION ON ID TAG OF SHOP FABRICATED RELOCATABLE STRUCTURES:

- 1. THE DSA APPLICATION NUMBER AND CBC EDITION UNDER WHICH THE BUILDING CONSTRUCTION WAS AUTHORIZED.
2. THE MANUFACTURER OR BUILDER'S NAME.
3. THE SERIAL NUMBER.
4. THE DESIGN CLIMATE ZONES.
5. THE DESIGN LIVE LOADS FOR THE ROOF AND FLOORS.
6. THE DESIGN WIND SPEED AND EXPOSURE CATEGORY.
7. THE SEISMIC DESIGN PARAMETER Ss.

DETERIORATION OR EXISTING NON-COMPLIANT CONSTRUCTION... IF ANY CONDITIONS IS DISCOVERED WHICH, IF LEFT UNCORRECTED, WOULD MAKE THE BUILDING NON-COMPLIANT WITH THE REQUIREMENTS OF THE EDITION OF THE CBC IN FORCE AFTER THE TIME OF ORIGINAL CONSTRUCTION...

THE PROVISIONS OF CBC AND CBC CH. 33 SHALL BE ENFORCED ON THIS PROJECT.

Statement of General Conformance

(Application No. File No. 19-113)

- The drawings or sheets listed on the cover or index sheet [marked with asterisk (*)]
This drawing, page of specifications/calculations

have been prepared by other design professionals or consultants who are licensed and/or authorized to prepare such drawings in this state. It has been examined by me for:

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

This 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))

Signature block for Hung L. Cheng, dated 02/05/2019, with fields for License Number and Expiration Date.

SHEET INDEX

(TOTAL NUMBER OF SHEETS 82)

Table listing sheet numbers and titles: GENERAL (NO. OF DRAWINGS - 3), CIVIL DRAWINGS (NO. OF DRAWINGS - 7), ARCHITECTURAL DRAWINGS (NO. OF DRAWINGS - 6), STRUCTURAL DRAWINGS (NO. OF DRAWINGS - 1), ELECTRICAL DRAWINGS (NO. OF DRAWINGS - 10).

32x60 MODULAR BUILDING

AMERICAN MODULAR SYSTEMS, INC. PG02-116071 (NO. OF DRAWINGS - 55)

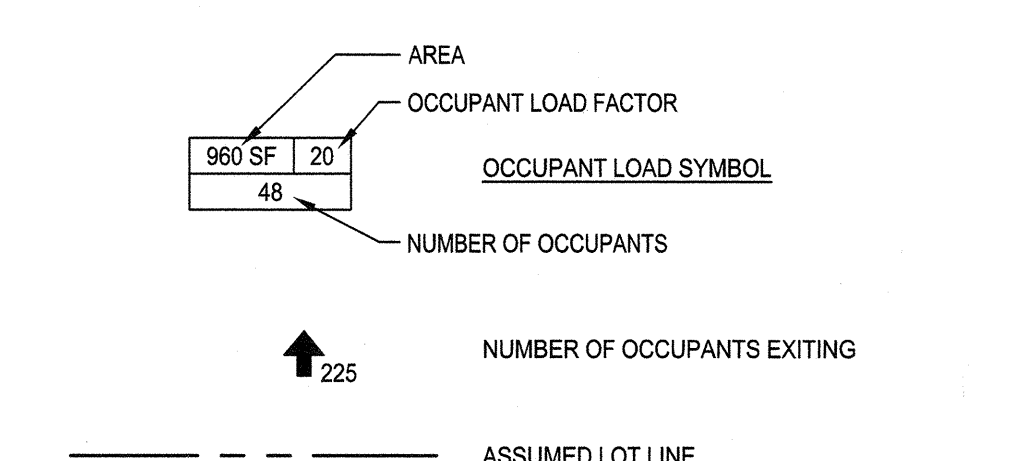
Table listing drawing titles and sheet numbers, including TITLE SHEET, GENERAL NOTES & SPECIFICATIONS, ENERGY CALCULATIONS, etc.

CODE ANALYSIS

OCCUPANCY GROUP: E CONSTRUCTION TYPE: TYPE V-B, NON-SPRINKLERED

Table comparing ALLOWABLE HEIGHT, BUILDING HEIGHT, and ALLOWABLE BUILDING AREA (A) against actual values.

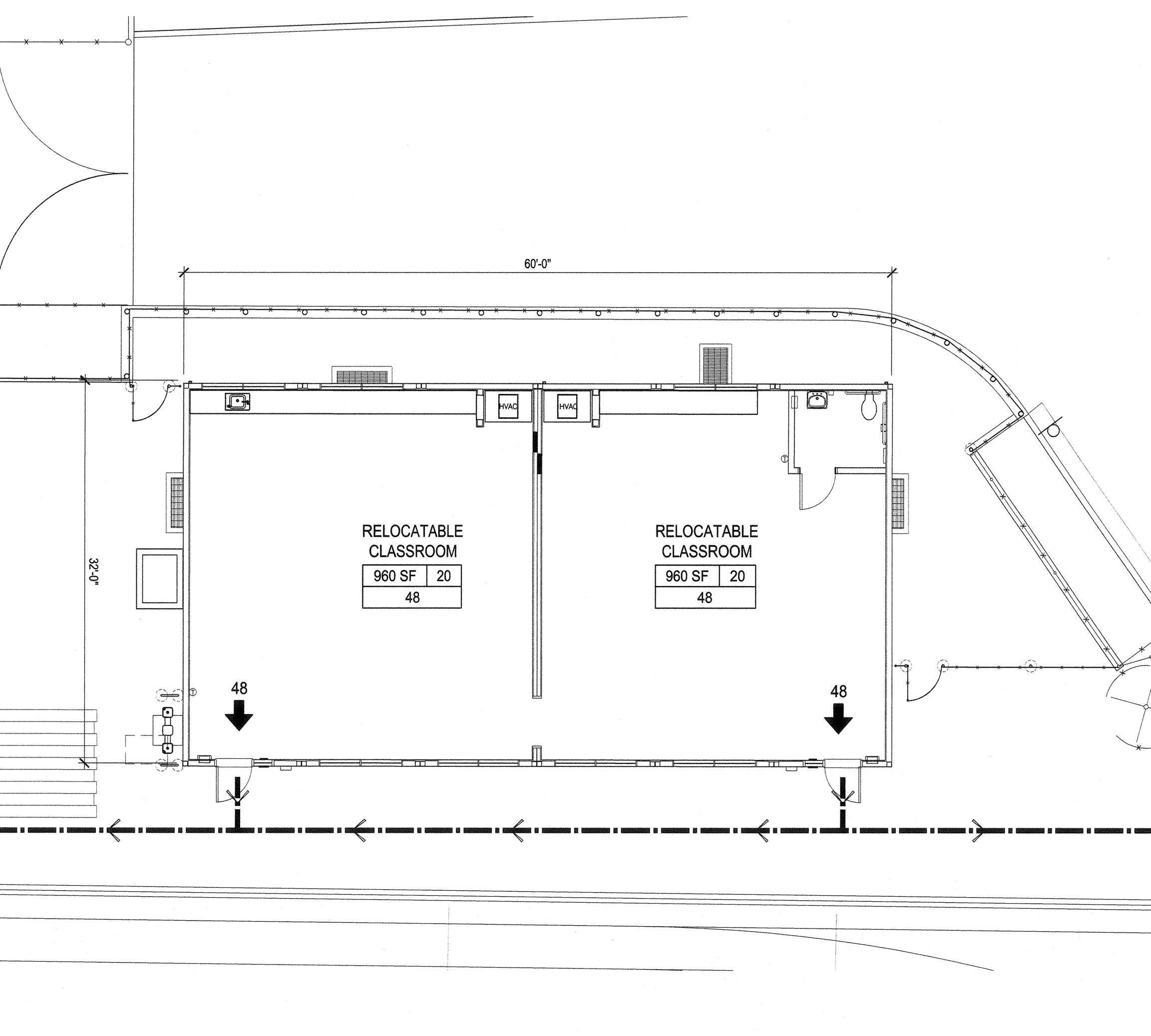
CODE ANALYSIS - LEGEND



NEW MODULAR BUILDING INFORMATION

Table with columns: MODULAR BLDG. #, SIZE, MANUFACTURER, PC NO. (Row 1: 1, 32' x 60', AMS, 02-116071)

EXT. WIDTH CALCULATION: (1) CLASSROOMS - 86 OCCUPANTS x 0.2 = 19.2' (1'-8") REQUIRED 72' (6'-0") EXT. WIDTH PROVIDED



WIND DESIGN DATA

- 2016 CBC 1603.1.4
1. ULTIMATE DESIGN WIND SPEED V=110 MPH
2. RISK CATEGORY II
3. WIND EXPOSURE CATEGORY B
4. INTERNAL PRESSURE COEFFICIENT -0.18
5. ENCLOSURE CLASSIFICATION ENCLOSED BLDG. (PORTABLE/RELOCATABLE)

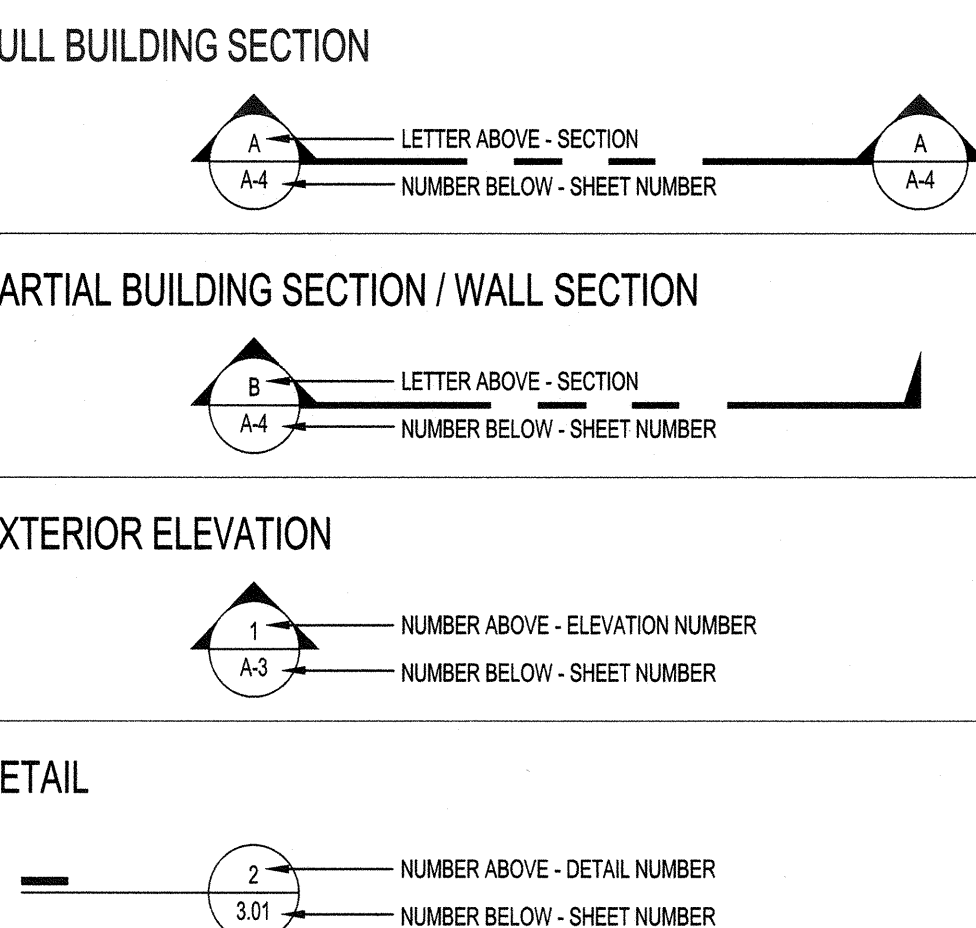
EARTHQUAKE DESIGN DATA

- 2016 CBC 1603.1.5
SITE COORDINATES: 34.226°N, 118.248°W
1. RISK CATEGORY: II
2. SEISMIC IMPORTANCE FACTOR: 1.25
3. MAPPED SPECTRAL RESPONSE ACCELERATION PARAMETERS Ss = 2.716 g S1 = 0.971 g
4. SITE CLASS: D
5. DESIGN SPECTRAL RESPONSE ACCELERATION PARAMETERS SDS = 0.872 g SD1 = 0.871 g

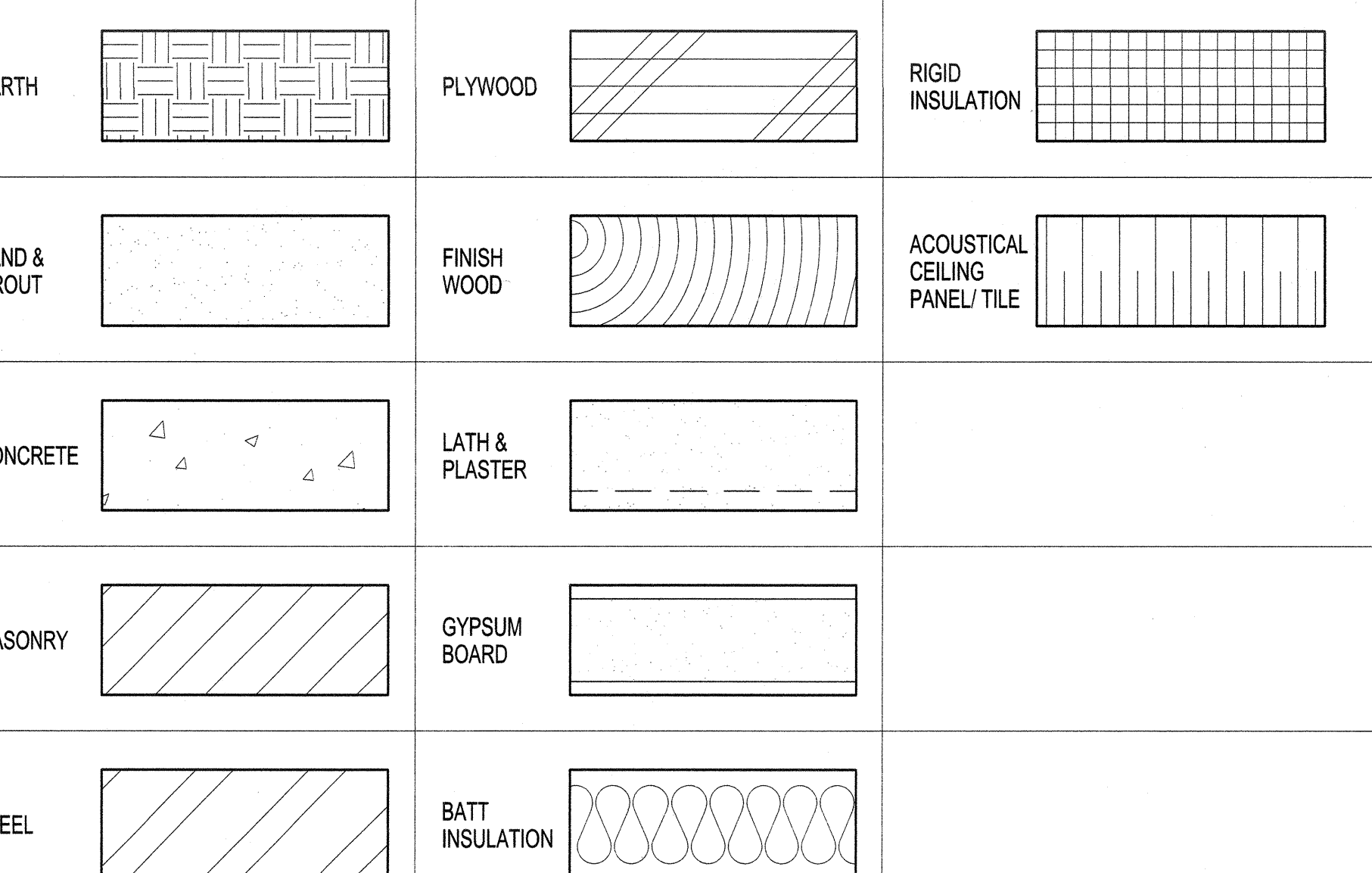
GEOTECHNICAL INFORMATION

- 1. ALLOWABLE SOIL BEARING PRESSURE = 1500 PSF

REFERENCE SYMBOLS



MATERIAL SYMBOLS



IBP/Architecture logo and contact information for Newport Beach, CA.

Department of General Services logo and contact information for Los Angeles, CA.

Crescenta Valley High School Sports Medicine Modular Bldg. logo and address in Glendale, CA.

Project information including drawing title (SHT. INDEX, GEN. NOTES, & CODE ANALYSIS), drawing number (T-2), and date (February 05, 2019).

To facilitate the Division of the State Architect's (DSA) fire and life safety plan review of project site conditions, DSA requires the design professional to provide the following information at time of project submittal for projects consisting of construction of a new campus, construction of new buildings, additions to existing buildings, and for site alternate design means for the department emergency vehicle access, and fire suppression water supply.

Information associated with compliance items 1-3 below is to be provided for all project types indicated above. Information associated with items 4-7 is to be completed when an alternate means is utilized. Acknowledgment by the school district and signature from the local fire authority (LFA) is only required when an alternate design means is being requested.

Page 1 of the completed form must be imaged onto the fire access site plan. When an alternate design means is proposed, completed pages 1 and 2 are to be imaged on the fire access site plan.

For additional information refer to the instructions at the end of this form and DSA Policy 09-01.

PROJECT INFORMATION
School District/Owner: CRESCENTA VALLEY HIGH SCHOOL DISTRICT
Project Name/School: CRESCENTA VALLEY HIGH SCHOOL
Project Address: 2900 COMMUNITY AV. LA CRESCENTA, CA

FIRE & LIFE SAFETY INFORMATION
1. Has a fire hydrant flow test been performed within the past 12 months? Yes [X] No []
2. Was the fire hydrant water flow test performed as part of this LFA review? Yes [X] No []
3. Is the project located within a designated fire hazard severity zone as established by Cal-Fire? Yes [] No [X]

CONDITION MEANS AND METHODS RESOLUTION
4. Emergency vehicle access roadways do not meet CFC requirements. ALTERNATE ACCEPTED
4a. Acceptable Alternate: Emergency vehicle and personnel access as proposed by the project architect is acceptable for providing fire suppression and protection of life and property.

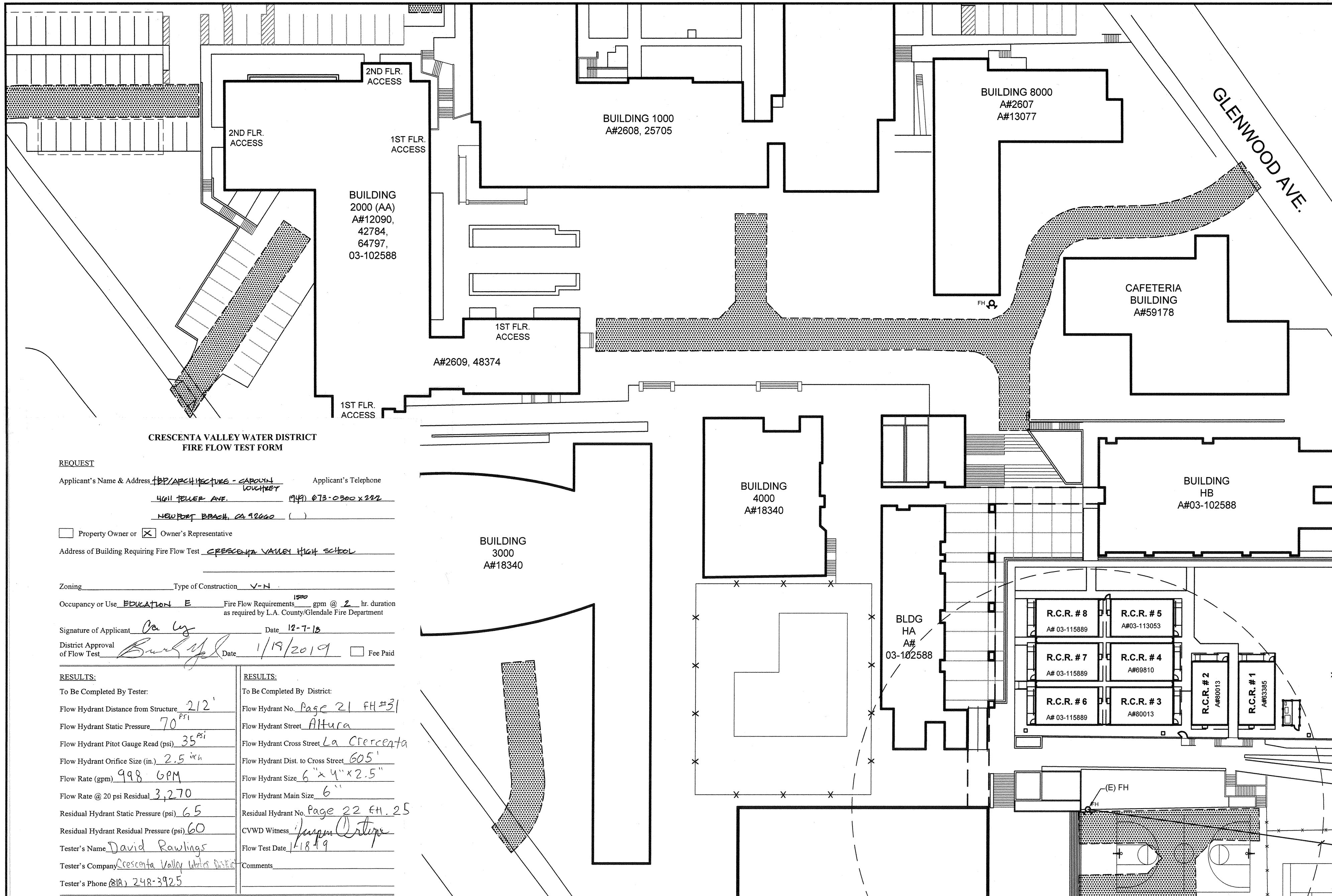
PROJECT INFORMATION
School District/Owner: Glendale Unified School District
Project Name/School: Crescenta Valley High School, Sports Medicine - 1 (32x60) Modular
Project Address: 2900 Community Avenue, La Crescenta

LOCAL FIRE AUTHORITY (LFA)
LFA Agency Name: Los Angeles County Fire Department
LFA Reviewer Name: Michael Bravo
Email: michael.bravo@fire.lacounty.gov Telephone Number: (323) 890-4125

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

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

Table with 8 rows and 5 columns: Description, Y, N, NA, NR. Row 1: Where an elevator does not meet medical emergency service cab size... Row 2: Access roads, fire lane markings, pavers and gate entrances... Row 3: Fire hydrant location and distribution complies with the California Fire Code... Row 4: Signature of School District Official: [Signature] Date: []



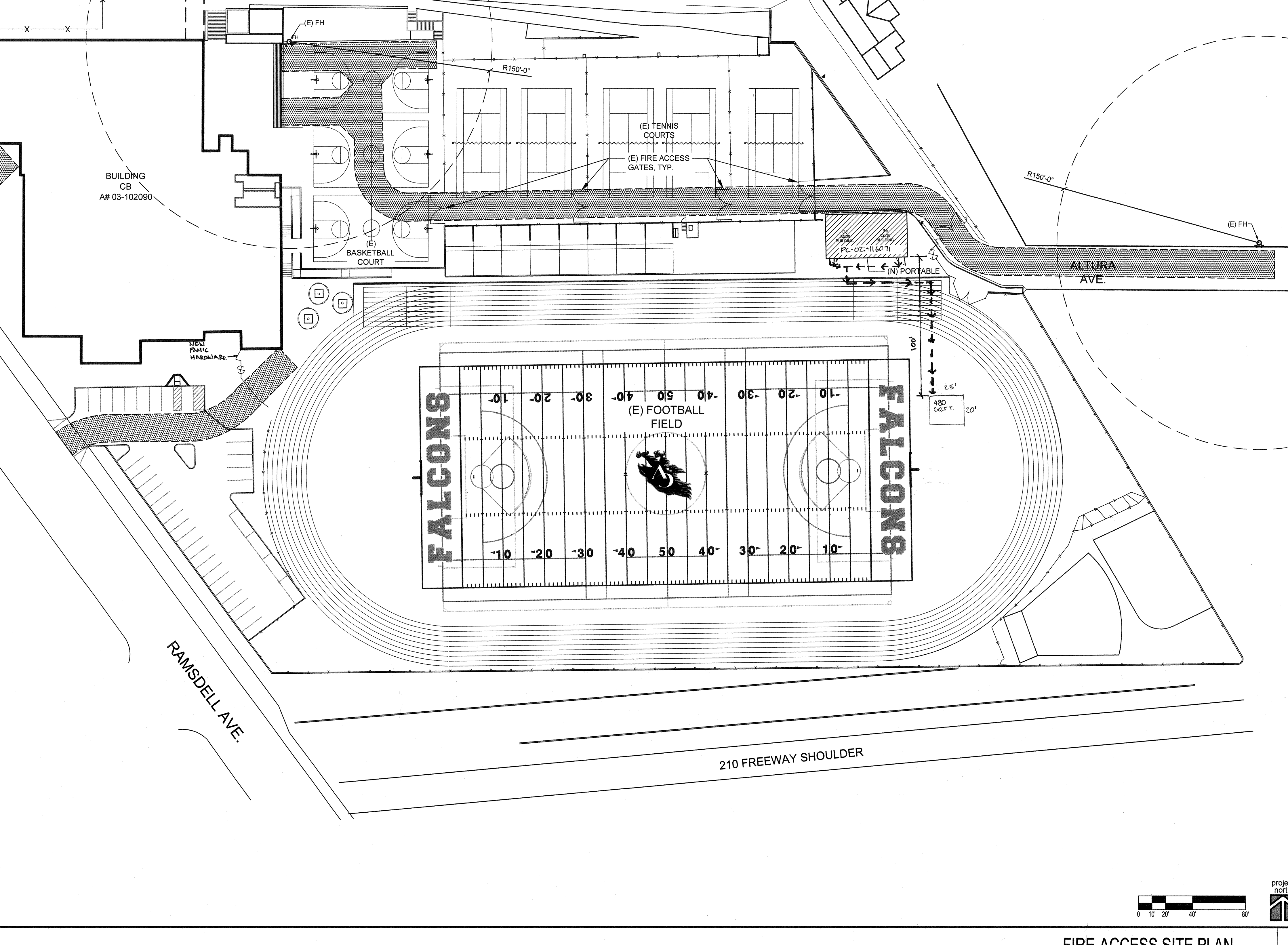
CRESCENTA VALLEY WATER DISTRICT FIRE FLOW TEST FORM
REQUEST
Applicant's Name & Address: [Handwritten]
Applicant's Telephone: [Handwritten]
Address of Building Requiring Fire Flow Test: CRESCENTA VALLEY HIGH SCHOOL
Zoning: [Handwritten]
Occupancy or Use: Education
Signature of Applicant: [Handwritten]
Date: 1/19/2019
District Approval: [Handwritten]
Date: 1/19/2019
Fee Paid: []

FIRE FLOW ANALYSIS
2016 CALIFORNIA FIRE CODE TABLE B105.1(2) - MIN. REQUIRED FIRE FLOW AND FLOW DURATION FOR BUILDINGS
FIRE AREA TYPE V-B: 1,920 S.F.
FIRE FLOW (GPM): 1,900
FLOW DURATION (HOURS): 2

BUILDING DESCRIPTION
TOTAL BUILDING AREAS: 1,920 S.F.
BUILDING HEIGHT: 12'-0" HIGH
BUILDING USE: E OCCUPANCY
CONSTRUCTION TYPE: TYPE V-B, NON-SPRINKLERED
SCOPE OF WORK
THE PROJECT CONSISTS OF A NEW CONSTRUCTION OF (1) NEW 32'x60' PORTABLE. THE WORK ALSO INCLUDES SITE PAVING, CIVIL AND ELECTRICAL WORK.

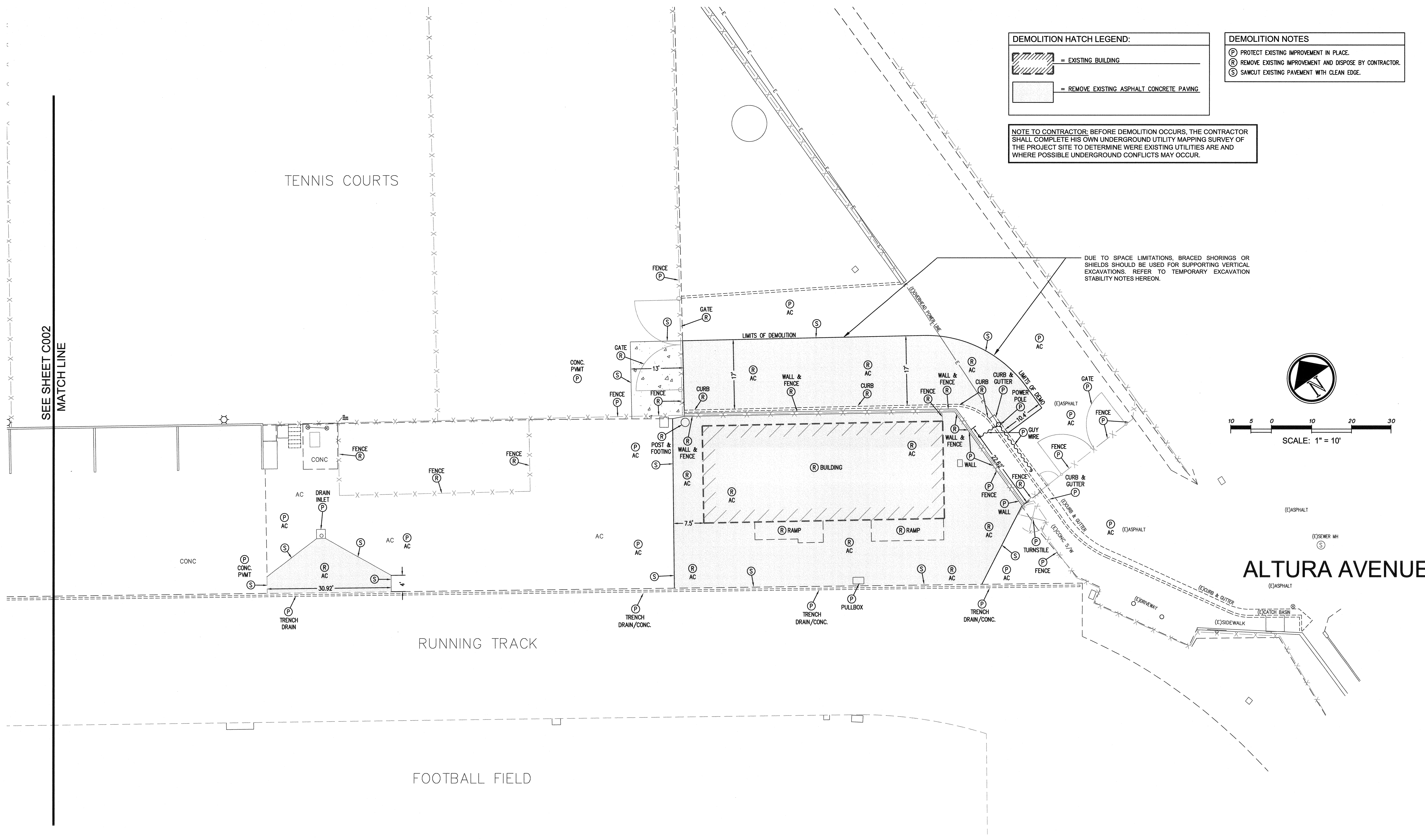
SITE PLAN LEGEND
EXISTING FIRE DEPARTMENT VEHICULAR ACCESS LANE 20'-0" MINIMUM UNOBSTRUCTED WIDTH
FIREFIGHTER ACCESS WALKWAY 5'-0" MINIMUM CLEAR WIDTH
EXISTING FIRE HYDRANT
NEW PORTABLE BUILDING

FIRE DEPARTMENT NOTES
FIRE DEPARTMENT ACCESS SIGNAGE MAP - PLANS SHOWING THE FIRE DEPARTMENT ACCESS SIGNAGE MAP DETAILS SHALL BE SUBMITTED TO THE FIRE DEPT. FOR APPROVAL WITHIN 60 DAYS. THE SIGNAGE SHALL BE WEATHER RESISTANT AND OF AN APPROVED SIZE AND SHALL SHOW THE FOLLOWING INFORMATION:
1. BUILDINGS AND BUILDING IDENTIFICATION
2. FIRE ACCESS ROADS
3. APPROVED ACCESS WALKWAYS LEADING FROM FIRE APPARATUS ACCESS ROADS TO EXTERIOR OPENINGS
4. FIRE HYDRANTS
5. KNOX BOXES
6. FENCES AND GATES (VEHICLE AND PERSON GATES)
7. FIRE DEPARTMENT CONNECTION AND DOUBLE DETECTOR CHECK
8. OTHER INFORMATION PERTINENT TO FIRE DEPARTMENT ACCESS
AND SHALL BE ILLUMINATED IN AN APPROVED MANNER (IF NOS. ARE ON THE EXTERIOR), NUMBER HEIGHT AND STRIKE WIDTH SHALL BE INCREASED AS NEEDED FOR LEGIBILITY BASED ON VISIBILITY DISTANCE.
KEY BOX MAINTENANCE - THE OPERATOR OF THE BUILDING SHALL IMMEDIATELY NOTIFY THE FIRE CODE OFFICIAL AND PROVIDE THE NEW KEY WHEN A LOCK IS CHANGED OR REVISED. THE KEY TO SUCH LOCK SHALL BE SECURED IN THE KEY BOX. (SEE CFC SECTION 506.2)
CONSTRUCTION OF GATES SHALL BE OF MATERIALS THAT ALLOW MANUAL OPERATION BY ONE PERSON. (SEE CFC APPENDIX D, D103.5 CRITERIA 3)
FIRE DEPARTMENT VEHICULAR ACCESS ROADS MUST BE INSTALLED AND MAINTAINED IN A SERVICEABLE MANNER PRIOR TO AND DURING THE TIME OF CONSTRUCTION. (FIRE CODE 501.4)
FIRE DEPARTMENT VEHICULAR ACCESS ROADS SHALL BE HARD SCALE ALL WEATHER SURFACE IN ACCORDANCE WITH THE DEPARTMENT'S ALL WEATHER ACCESS REQUIREMENTS (C.F.C.).



BDP architecture planning interiors
IBP/Architecture 4611 Teller Avenue Newport Beach, CA 92660 ph: 949.673.0300 fx: 949.732.3895 architect
IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT
APPROX 1972
DATE FEB 05 2019

CRESCENTA VALLEY HIGH SCHOOL SPORTS MEDICINE MODULAR BLDG.
GLENDALE UNIFIED SCHOOL DISTRICT
2900 COMMUNITY AVENUE
LA CRESCENTA, CALIFORNIA
owner
IBP project number : 21015.00
file name: 1007-3_Fire Access Site Plan
drawn by: EL checked by: cl
date: FEBRUARY 05, 2019
Rev: date: description:
drawing title: FIRE ACCESS SITE PLAN
drawing no.: T-3
drawing of



DEMOLITION HATCH LEGEND:

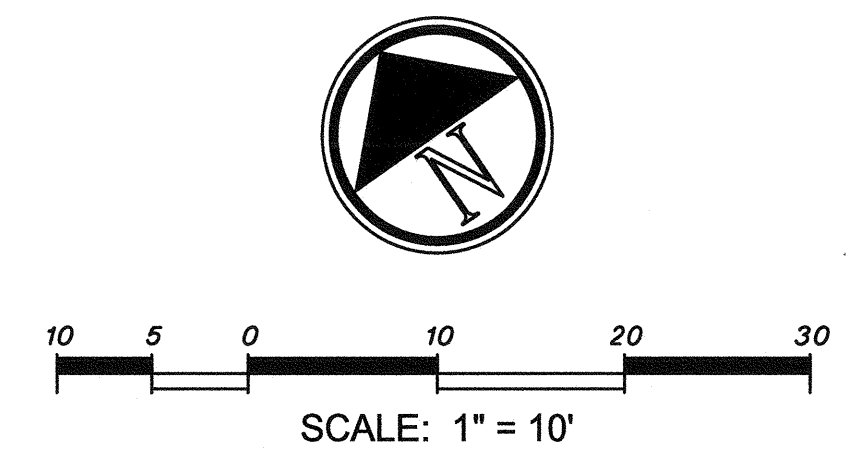
	= EXISTING BUILDING
	= REMOVE EXISTING ASPHALT CONCRETE PAVING

DEMOLITION NOTES

	PROTECT EXISTING IMPROVEMENT IN PLACE.
	REMOVE EXISTING IMPROVEMENT AND DISPOSE BY CONTRACTOR.
	SAWCUT EXISTING PAVEMENT WITH CLEAN EDGE.

NOTE TO CONTRACTOR: BEFORE DEMOLITION OCCURS, THE CONTRACTOR SHALL COMPLETE HIS OWN UNDERGROUND UTILITY MAPPING SURVEY OF THE PROJECT SITE TO DETERMINE WHERE EXISTING UTILITIES ARE AND WHERE POSSIBLE UNDERGROUND CONFLICTS MAY OCCUR.

DUE TO SPACE LIMITATIONS, BRACED SHORINGS OR SHIELDS SHOULD BE USED FOR SUPPORTING VERTICAL EXCAVATIONS. REFER TO TEMPORARY EXCAVATION STABILITY NOTES HEREON.



SEE SHEET C002
MATCH LINE

TENNIS COURTS

RUNNING TRACK

FOOTBALL FIELD

ALTURA AVENUE

OVEREXCAVATION & RECOMPACTION NOTES:

TO MINIMIZE POST-CONSTRUCTION SOIL MOVEMENT AND PROVIDE UNIFORM SUPPORT FOR THE PROPOSED BUILDING AND WALL, OVEREXCAVATION AND RECOMPACTION WITHIN THE PROPOSED BUILDING AND RETAINING WALL AREA SHOULD BE PERFORMED TO TWO (2) FEET BELOW BOTTOM OF THE PROPOSED FOOTINGS. THE OVEREXCAVATION AND RECOMPACTION SHOULD ALSO EXTEND LATERALLY TO A MINIMUM OF 5 FEET BEYOND THE OUTER EDGES OF THE PROPOSED FOOTINGS.

ANY FILL MATERIALS ENCOUNTERED DURING GRADING SHOULD BE REMOVED AND REPLACED WITH ENGINEERED FILL. THE ACTUAL DEPTH OF THE OVEREXCAVATION AND RECOMPACTION SHOULD BE DETERMINED BY THE SOILS ENGINEER DURING CONSTRUCTION. THE UPPER ORGANIC-FREE, ON-SITE, NATIVE SOILS ARE PREDOMINATELY SILTY SAND WITH GRAVEL. THESE SOILS SHOULD BE SUITABLE FOR REUSE AS NON-EXPANSIVE ENGINEERED FILL, PROVIDED THEY ARE CLEANSED OF EXCESSIVE ORGANICS, DEBRIS AND ROCKS OVER 3 INCHES IN SIZE.

IMPORTED NON-EXPANSIVE, NON-CORROSIVE FILL SHOULD CONSIST OF A WELL-GRADED, SLIGHTLY COHESIVE SILTY FINE SAND OR SANDY SILT WITH RELATIVELY IMPERVIOUS CHARACTERISTICS WHEN COMPACTED. THIS MATERIAL SHOULD BE APPROVED BY THE SOILS ENGINEER PRIOR TO USE.

PRIOR TO PLACEMENT OF FILL SOILS, THE UPPER 8 INCHES OF NATIVE SUBGRADE SOILS SHOULD BE SCARIFIED, MOISTURE-CONDITIONED TO NO LESS THAN THE OPTIMUM MOISTURE CONTENT AND RECOMPACTED TO A MINIMUM OF 95 PERCENT OF THE MAXIMUM DRY DENSITY BASED ON ASTM D1557-07 TEST METHOD.

FILL SOILS SHOULD BE PLACED IN LIFTS APPROXIMATELY 6 TO 8 INCHES THICK, MOISTURE-CONDITIONED TO NEAR THE OPTIMUM MOISTURE CONTENT ($\pm 2\%$) AND COMPACTED TO ACHIEVE AT LEAST 95 PERCENT OF THE MAXIMUM DRY DENSITY AS DETERMINED BY ASTM D1557-07. ADDITIONAL LIFTS SHOULD NOT BE PLACED IF THE PREVIOUS LIFT DID NOT MEET THE REQUIRED DRY DENSITY OR IF SOIL CONDITIONS ARE NOT STABLE.

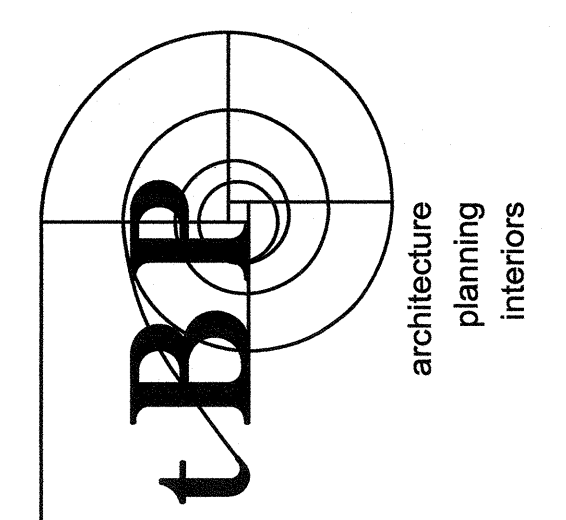
TEMPORARY EXCAVATION STABILITY

TEMPORARY EXCAVATIONS PLANNED FOR THE CONSTRUCTION OF THE PROPOSED BUILDING, RETAINING WALL AND OTHER ASSOCIATED UNDERGROUND STRUCTURES MAY BE EXCAVATED, ACCORDING TO THE ACCEPTED ENGINEERING PRACTICE FOLLOWING OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA) STANDARDS BY A CONTRACTOR EXPERIENCED IN SUCH WORK. OPEN, UNBRACED EXCAVATIONS IN UNDISTURBED SOILS SHOULD BE MADE ACCORDING TO THE TABLE BELOW:

RECOMMENDED EXCAVATION SLOPES	
DEPTH OF EXCAVATION (FT)	SLOPE (HORIZONTAL:VERTICAL)
0-5	1:1
5-10	2:1

IF, DUE TO SPACE LIMITATION, EXCAVATIONS NEAR EXISTING STRUCTURES ARE PERFORMED IN A VERTICAL POSITION, BRACED SHORINGS OR SHIELDS MAY BE USED FOR SUPPORTING VERTICAL EXCAVATIONS. THEREFORE, IN ORDER TO COMPLY WITH THE LOCAL AND STATE SAFETY REGULATIONS, A PROPERLY DESIGNED AND INSTALLED SHORING SYSTEM WOULD BE REQUIRED TO ACCOMPLISH PLANNED EXCAVATIONS AND INSTALLATION.

A SPECIALTY SHORING CONTRACTOR SHOULD BE RESPONSIBLE FOR THE DESIGN AND INSTALLATION OF SUCH A SHORING SYSTEM DURING CONSTRUCTION. BRACED SHORINGS SHOULD BE DESIGNED FOR A MAXIMUM PRESSURE DISTRIBUTION OF 30H, (WHERE H IS THE DEPTH OF THE EXCAVATION IN FEET). THE FOREGOING DOES NOT INCLUDE EXCESS HYDROSTATIC PRESSURE OR SURCHARGE LOADING. FIFTY PERCENT OF ANY SURCHARGE LOAD, SUCH AS CONSTRUCTION EQUIPMENT WEIGHT, SHOULD BE ADDED TO THE LATERAL LOAD GIVEN HEREIN. EQUIPMENT TRAFFIC SHOULD CONCURRENTLY BE LIMITED TO AN AREA AT LEAST 3 FEET FROM THE SHORING FACE OR EDGE OF THE SLOPE.



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interiors

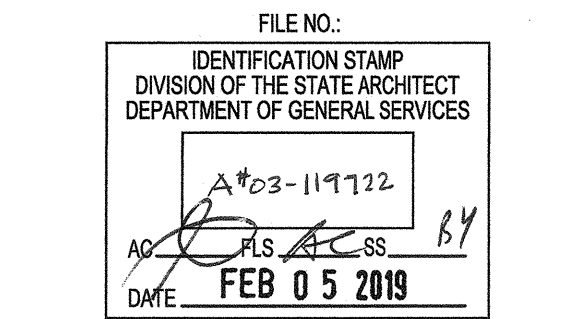
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ph: 949.673.0300 fx: 949.732.3885

architect

PLANS PREPARED BY:
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Traffic • Transportation • Civil
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Phone: 949-252-1688



consultant



DEPARTMENT OF GENERAL SERVICES
DSA Los Angeles Regional Office
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Los Angeles, California 90012
ph: (213)897-3995 fx: (213)897-3159/0726

**CRESCENTA VALLEY HIGH SCHOOL
SPORTS MEDICINE RELOCATABLE**

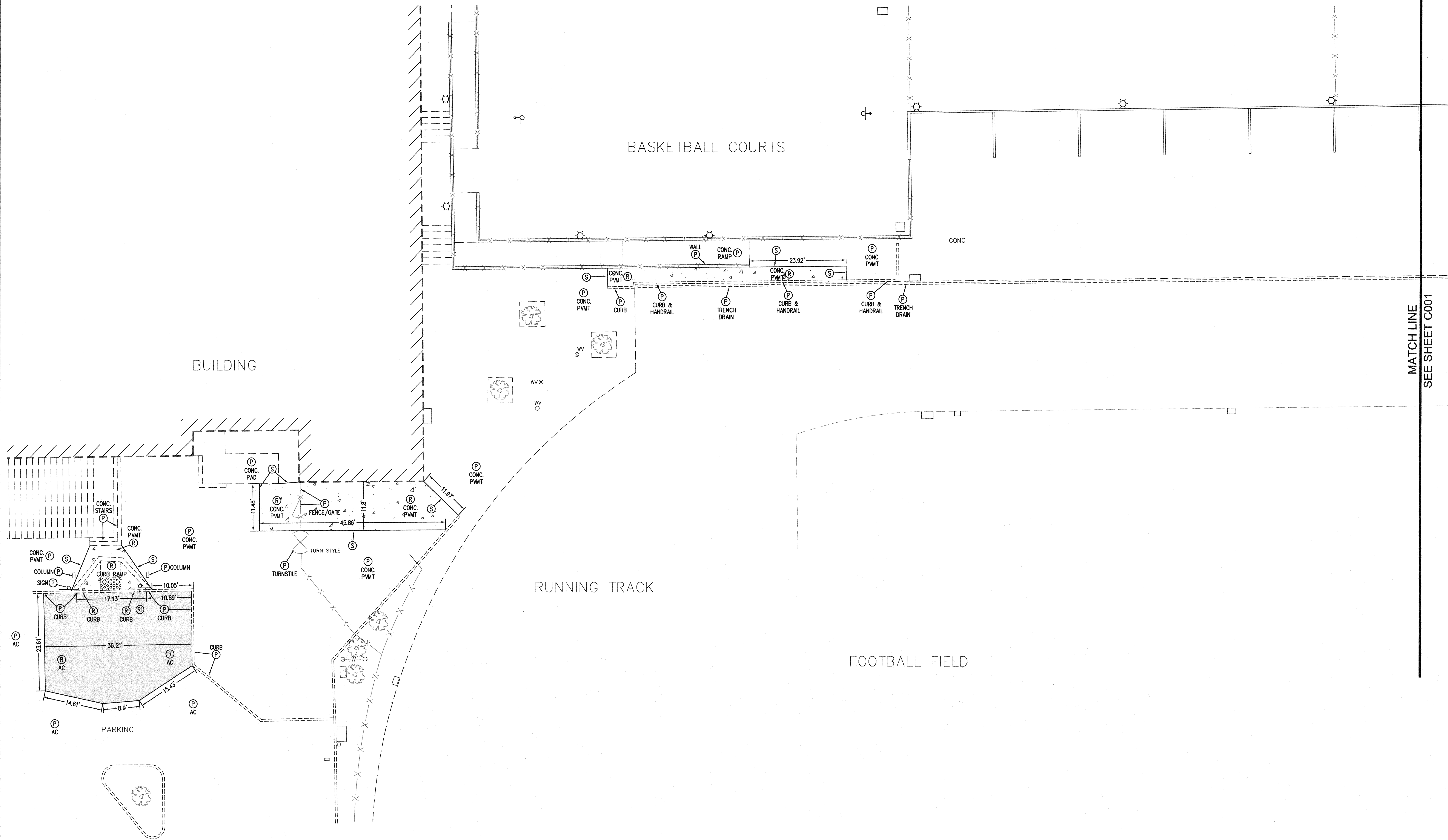
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LA CRESCENTA, CALIFORNIA 91214

GLENDALE UNIFIED SCHOOL DISTRICT

owner

tBPB project number : 21015.00	
file name:	
drawn by: DB	checked by: RC
date: 01-21-2019	
Rev:	date: description:
drawing title: DEMOLITION PLAN	
drawing no.: C001	
drawing of	

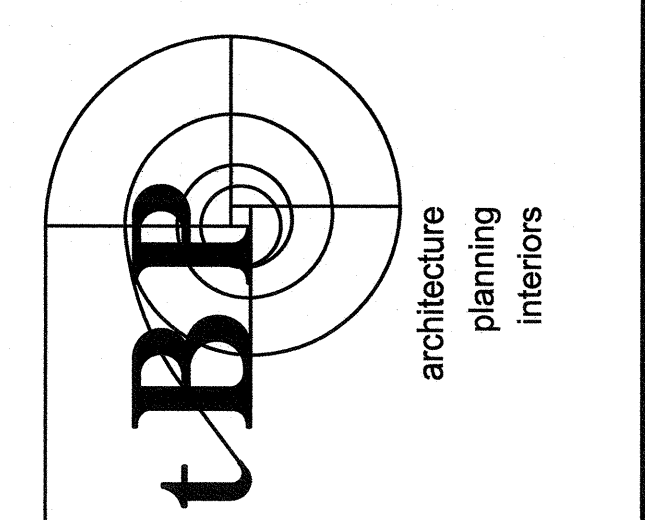
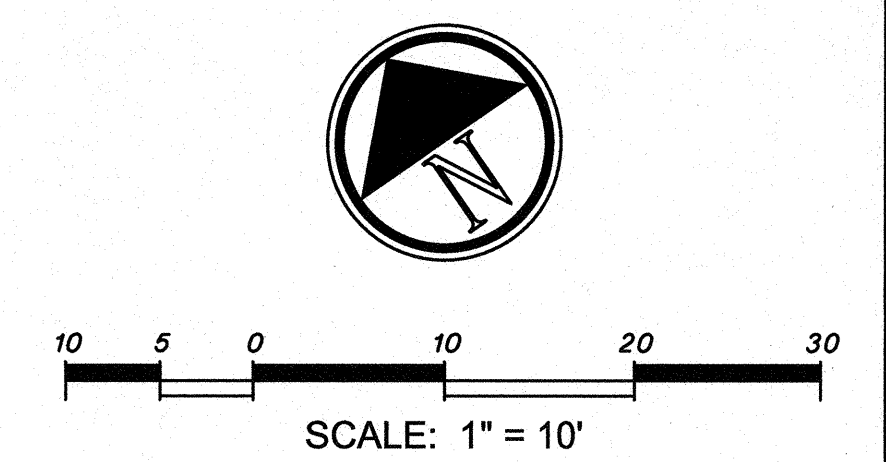
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MATCH LINE
SEE SHEET C001

DEMOLITION HATCH LEGEND:	
	= EXISTING BUILDING
	= REMOVE EXISTING ASPHALT CONCRETE PAVING
	= REMOVE EXISTING CONCRETE PAVING

DEMOLITION NOTES	
(P)	PROTECT EXISTING IMPROVEMENT IN PLACE.
(R)	REMOVE EXISTING IMPROVEMENT AND DISPOSE BY CONTRACTOR.
(S)	REMOVE & SALVAGE EXISTING SIGN AND POST. POST & SIGN SHALL BE REINSTALLED.
(S)	SAWCUT EXISTING PAVEMENT WITH CLEAN EDGE.



tBPB
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Newport Beach, CA 92660
ph: 949.673.0300 fx: 949.732.3895

PLANS PREPARED BY:
FPL FPL and Associates, Inc.
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Irvine, CA 92606
Phone: 949-252-1688



FILE NO.:
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DIVISION OF THE STATE ARCHITECT
DEPARTMENT OF GENERAL SERVICES
A#02-119722
DATE: FEB 05 2019

DEPARTMENT OF GENERAL SERVICES
DSA Los Angeles Regional Office
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2900 COMMUNITY AVENUE
LA CRESCENTA, CALIFORNIA 91214
GLENDALE UNIFIED SCHOOL DISTRICT

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drawing title:
**DEMOLITION
PLAN**
drawing no.:
C002
drawing of

OVEREXCAVATION & RECOMPACTION NOTES:

TO MINIMIZE POST-CONSTRUCTION SOIL MOVEMENT AND PROVIDE UNIFORM SUPPORT FOR THE PROPOSED BUILDING AND WALL, OVEREXCAVATION AND RECOMPACTION WITHIN THE PROPOSED BUILDING AND RETAINING WALL AREA SHOULD BE PERFORMED TO TWO (2) FEET BELOW BOTTOM OF THE PROPOSED FOOTINGS. THE OVEREXCAVATION AND RECOMPACTION SHOULD ALSO EXTEND LATERALLY TO A MINIMUM OF 5 FEET BEYOND THE OUTER EDGES OF THE PROPOSED FOOTINGS.

ANY FILL MATERIALS ENCOUNTERED DURING GRADING SHOULD BE REMOVED AND REPLACED WITH ENGINEERED FILL. THE ACTUAL DEPTH OF THE OVEREXCAVATION AND RECOMPACTION SHOULD BE DETERMINED BY THE SOILS ENGINEER DURING CONSTRUCTION. THE UPPER ORGANIC-FREE, ON-SITE, NATIVE SOILS ARE PREDOMINATELY SILTY SAND WITH GRAVEL. THESE SOILS SHOULD BE SUITABLE FOR REUSE AS NON-EXPANSIVE ENGINEERED FILL, PROVIDED THEY ARE CLEANSED OF EXCESSIVE ORGANICS, DEBRIS AND ROCKS OVER 3 INCHES IN SIZE.

IMPORTED NON-EXPANSIVE, NON-CORROSIVE FILL SHOULD CONSIST OF A WELL-GRADED, SLIGHTLY COHESIVE SILTY FINE SAND OR SANDY SILT, WITH RELATIVELY IMPERVIOUS CHARACTERISTICS WHEN COMPACTED. THIS MATERIAL SHOULD BE APPROVED BY THE SOILS ENGINEER PRIOR TO USE.

PRIOR TO PLACEMENT OF FILL SOILS, THE UPPER 8 INCHES OF NATIVE SUBGRADE SOILS SHOULD BE SCARIFIED, MOISTURE-CONDITIONED TO NO LESS THAN THE OPTIMUM MOISTURE CONTENT AND RECOMPACTED TO A MINIMUM OF 95 PERCENT OF THE MAXIMUM DRY DENSITY (BASED ON ASTM D1557-07 TEST METHOD).

FILL SOILS SHOULD BE PLACED IN LIFTS APPROXIMATELY 6 TO 8 INCHES THICK, MOISTURE-CONDITIONED TO NEAR THE OPTIMUM MOISTURE CONTENT (±2%) AND COMPACTED TO ACHIEVE AT LEAST 95 PERCENT OF THE MAXIMUM DRY DENSITY AS DETERMINED BY ASTM D1557-07. ADDITIONAL LIFTS SHOULD NOT BE PLACED IF THE PREVIOUS LIFT DID NOT MEET THE REQUIRED DRY DENSITY OR IF SOIL CONDITIONS ARE NOT STABLE.

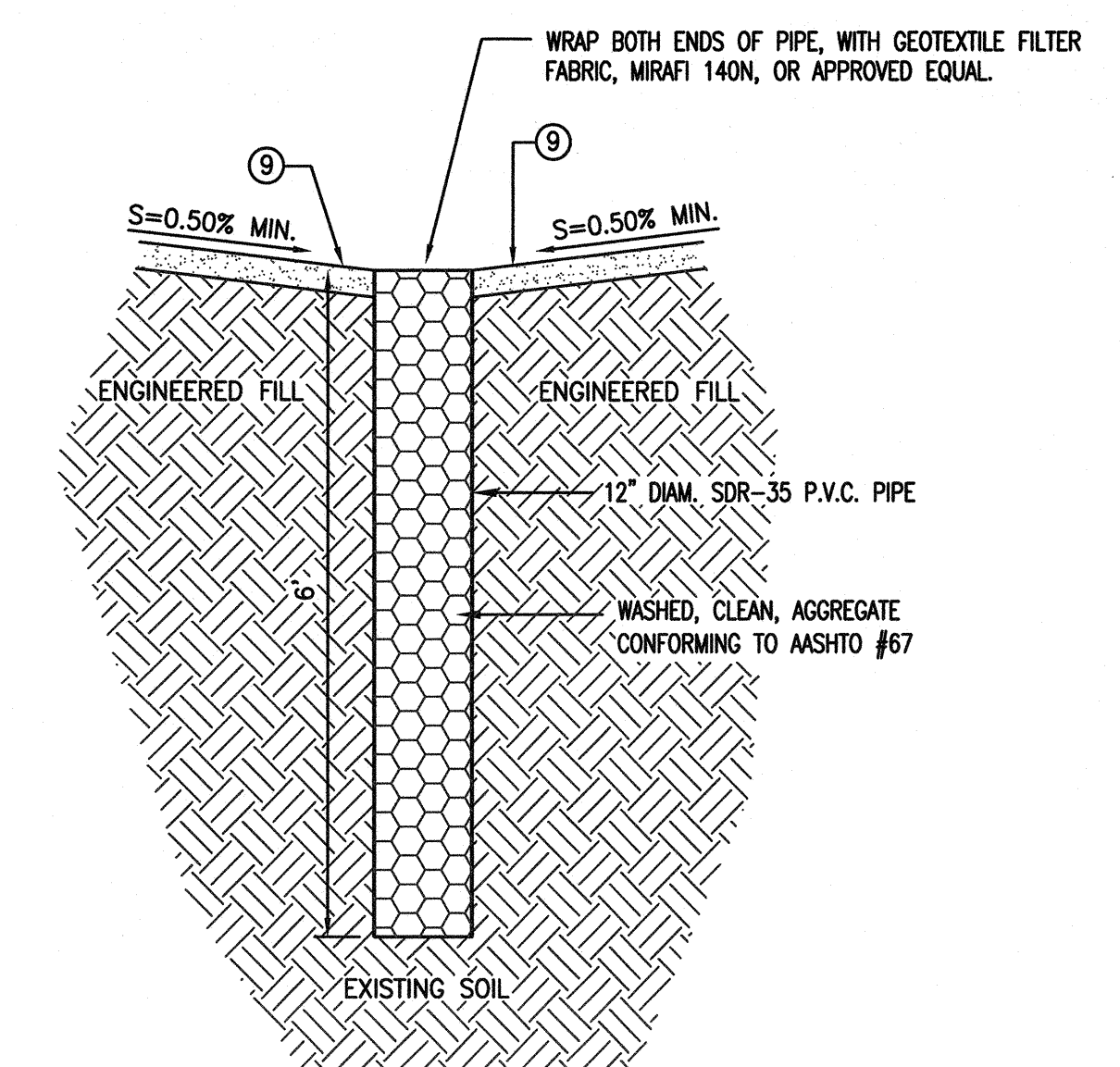
TEMPORARY EXCAVATION STABILITY

TEMPORARY EXCAVATIONS PLANNED FOR THE CONSTRUCTION OF THE PROPOSED BUILDING, RETAINING WALL AND OTHER ASSOCIATED UNDERGROUND STRUCTURES MAY BE EXCAVATED, ACCORDING TO THE ACCEPTED ENGINEERING PRACTICE FOLLOWING OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA) STANDARDS BY A CONTRACTOR EXPERIENCED IN SUCH WORK. OPEN, UNBRACED EXCAVATIONS IN UNDISTURBED SOILS SHOULD BE MADE ACCORDING TO THE TABLE BELOW:

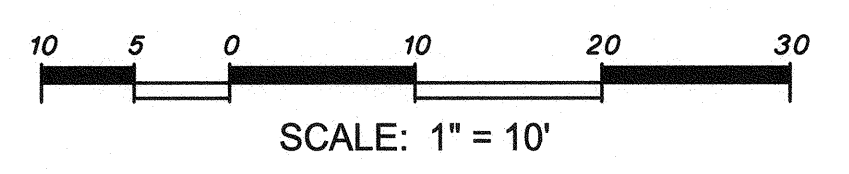
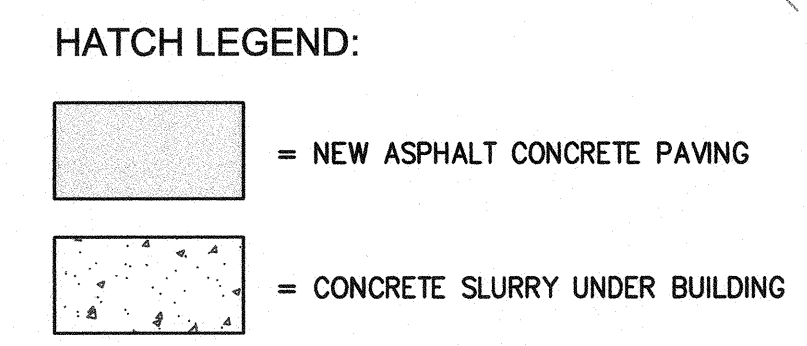
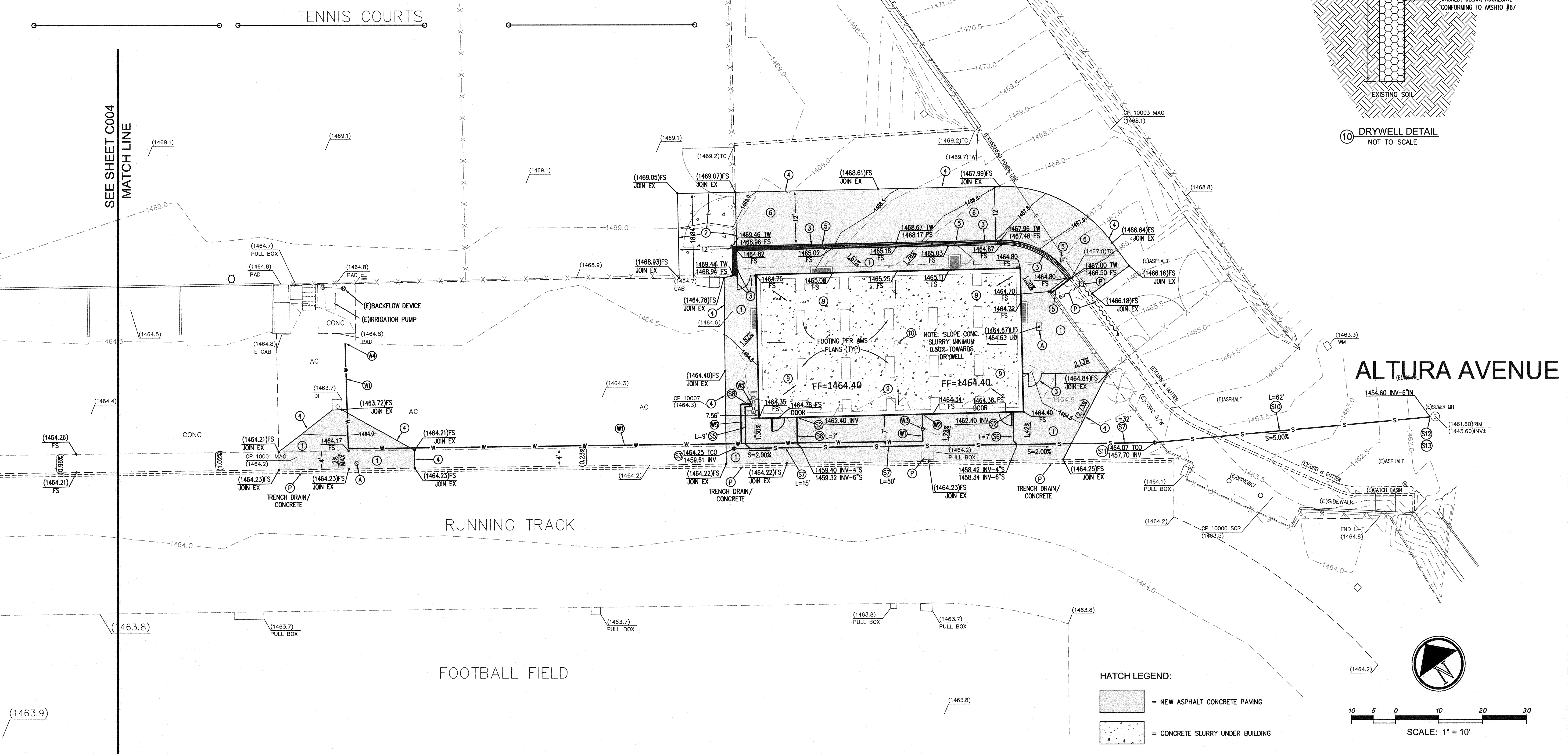
RECOMMENDED EXCAVATION SLOPES	DEPTH OF EXCAVATION (FT)	SLOPE (HORIZONTAL:VERTICAL)
	0-5	1:1
	5-10	2:1

IF, DUE TO SPACE LIMITATION, EXCAVATIONS NEAR EXISTING STRUCTURES ARE PERFORMED IN A VERTICAL POSITION, BRACED SHORINGS OR SHIELDS MAY BE USED FOR SUPPORTING VERTICAL EXCAVATIONS. THEREFORE, IN ORDER TO COMPLY WITH THE LOCAL AND STATE SAFETY REGULATIONS, A PROPERLY DESIGNED AND INSTALLED SHORING SYSTEM WOULD BE REQUIRED TO ACCOMPLISH PLANNED EXCAVATIONS AND INSTALLATION.

A SPECIALTY SHORING CONTRACTOR SHOULD BE RESPONSIBLE FOR THE DESIGN AND INSTALLATION OF SUCH A SHORING SYSTEM DURING CONSTRUCTION. BRACED SHORINGS SHOULD BE DESIGNED FOR A MAXIMUM PRESSURE DISTRIBUTION OF 30# (WHERE H IS THE DEPTH OF THE EXCAVATION IN FEET). THE FOREGOING DOES NOT INCLUDE EXCESS HYDROSTATIC PRESSURE OR SURCHARGE LOADING. FIFTY PERCENT OF ANY SURCHARGE LOAD, SUCH AS CONSTRUCTION EQUIPMENT WEIGHT, SHOULD BE ADDED TO THE LATERAL LOAD GIVEN HEREIN. EQUIPMENT TRAFFIC SHOULD CONCURRENTLY BE LIMITED TO AN AREA AT LEAST 3 FEET FROM THE SHORING FACE OR EDGE OF THE SLOPE.



10 DRYWELL DETAIL NOT TO SCALE

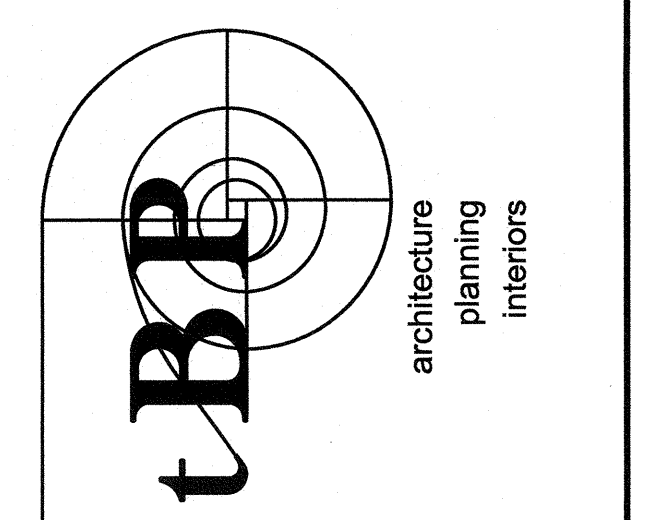
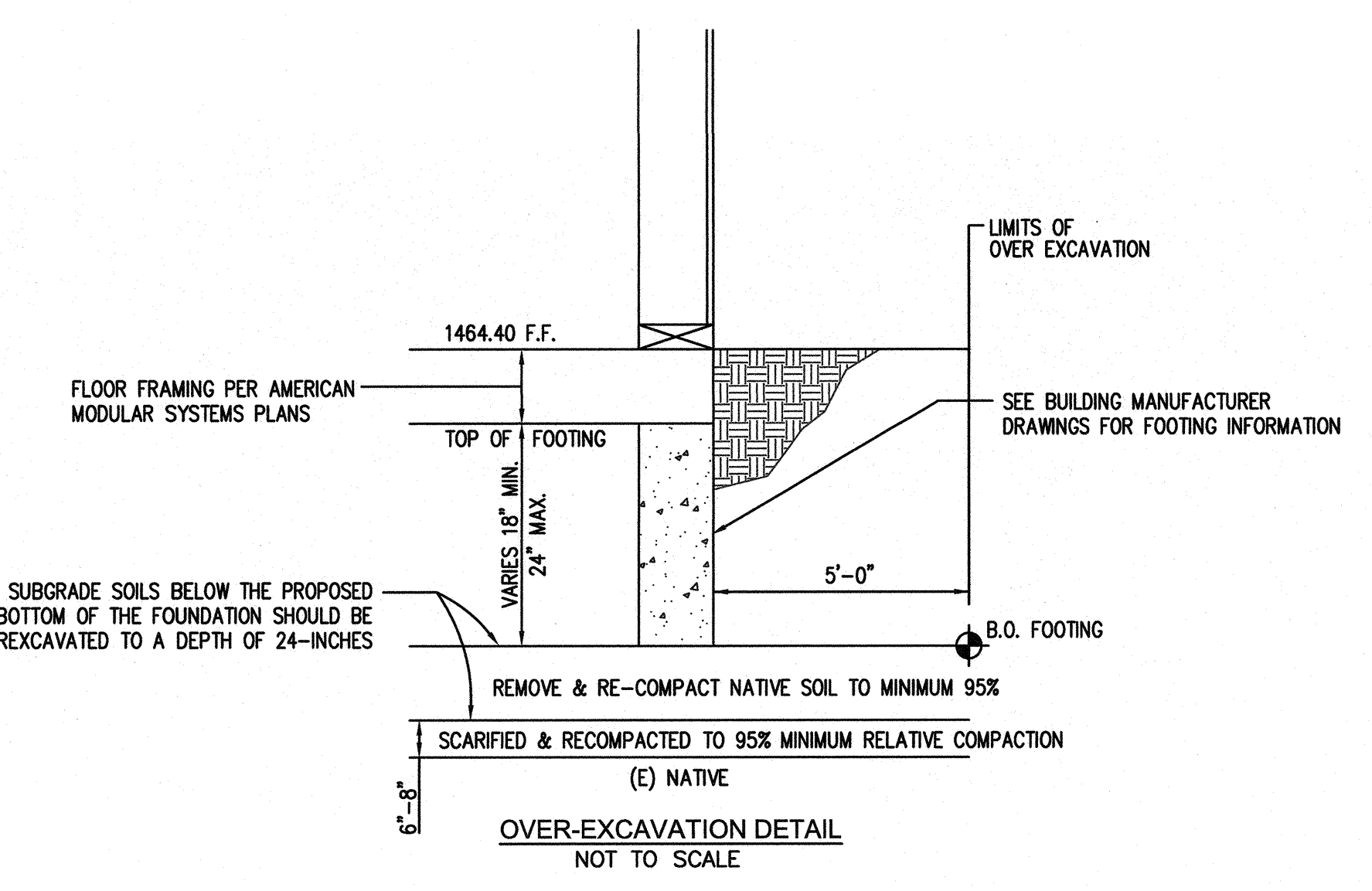


POTABLE WATER CONSTRUCTION NOTES:	GRADING CONSTRUCTION NOTES:
<p>(M) CONSTRUCT 1.5\" SCH. 80 P.V.C. PIPE, FITTINGS, AND COUPLINGS. CONSTRUCT PER APPLICABLE TRENCHING DETAIL ON SHEET C005.</p> <p>(N) CONNECT TO BUILDING WATER PER DETAIL 9 ON SHEET POC-2.</p> <p>(O) CONSTRUCT SHUT-OFF VALVE IN YARDBOX TO MATCH WATER LINE SIZE PER DETAIL W3 ON C005.</p> <p>(P) CONNECT TO EXISTING WATER LINE WITH APPLICABLE COUPLINGS AND FITTINGS. CONTRACTOR WILL NEED TO LOCATE EXISTING POTABLE WATER LINE IN THIS AREA.</p> <p>(Q) CONSTRUCT 1/2-INCH SCH. 80 P.V.C. PIPE, FITTINGS, AND COUPLINGS. CONSTRUCT PER APPLICABLE TRENCHING DETAIL ON SHEET C005.</p> <p>(R) CONNECT 1/2-INCH WATER LINE TO DRINKING FOUNTAIN.</p>	<p>(S) PROTECT EXISTING IMPROVEMENT IN PLACE.</p> <p>(T) ADJUST EXISTING IMPROVEMENT TO BE FLUSH WITH ADJACENT FINISH SURFACE.</p> <p>(U) CONSTRUCT ASPHALT PAVEMENT, LIGHT DUTY SECTION, PER TABLE 1 ON SHEET C005.</p> <p>(V) CONSTRUCT CONCRETE PAVEMENT PER ARCHITECTURAL PLAN.</p> <p>(W) CONSTRUCT FENCE/GATE PER ARCHITECTURAL PLAN.</p> <p>(X) APPLY TACK COAT ON EXISTING SIDES OF ASPHALT PAVEMENT PER S.S.P.W.C. PROVISION 302-5.4.</p> <p>(Y) CONSTRUCT RETAINING WALL PER STRUCTURAL PLANS.</p> <p>(Z) CONSTRUCT ASPHALT PAVEMENT, HEAVY DUTY SECTION, PER TABLE 1 ON SHEET C005.</p> <p>(AA) CONSTRUCT CONCRETE CURB PER GRADES HEREON AND DETAIL 7 ON SHEET C005.</p> <p>(AB) CONSTRUCT 2\" MIN. THICK P.C.C. GOPHER SLAB, NO REBAR. CONCRETE CLASS 520-C-2500, PER S.S.P.W.C. SECTION 201-1 PROVISIONS.</p> <p>(AC) CONSTRUCT DRYWELL PER DETAIL 10 HEREON.</p>
SEWER CONSTRUCTION NOTES (ON CAMPUS):	SEWER CONSTRUCTION NOTES (IN CVWD AUTHORITY): CVWD=CRESCENTA VALLEY WATER DISTRICT
<p>(AD) PROTECT EXISTING SEWER IMPROVEMENT IN PLACE.</p> <p>(AE) CONNECT TO BUILDING SEWER PER DETAIL 9 ON SHEET POC-2.</p> <p>(AF) CONSTRUCT SEWER CLEAN OUT & YARD BOX PER DETAIL S3 ON SHEET C005.</p> <p>(AG) CONNECT TO EXISTING SEWER LINE AT MANHOLE.</p> <p>(AH) CONSTRUCT 2\" SCH. 40 PVC PIPE AND FITTINGS. CONSTRUCT PER APPLICABLE TRENCHING DETAIL ON SHEET C005.</p> <p>(AI) CONSTRUCT 4\" SDR-35 PVC PIPE AND FITTINGS. CONSTRUCT PER APPLICABLE TRENCHING DETAIL ON SHEET C005.</p> <p>(AJ) CONSTRUCT 6\" SDR-35 PVC PIPE AND FITTINGS. CONSTRUCT PER APPLICABLE TRENCHING DETAIL ON SHEET C005.</p> <p>(AK) CONNECT 2\" SEWER LINE TO DRINKING FOUNTAIN.</p>	<p>(AL) CONSTRUCT 6\" EXTRA STRENGTH VITRIFIED CLAY PIPE & FITTINGS. ALL VCP AND FITTINGS SHALL CONFORM TO THE REQUIREMENTS OF ASTM C700 AS IT APPLIES TO EXTRA STRENGTH, UNGLAZED VCP. VCP JOINTS SHALL EITHER BE PLAIN END TO PLAIN END OR BELL AND SPIGOT CONFORMING TO ASTM C425. PLAIN END TO PLAIN END JOINTS SHALL CONSIST OF STEEL BANNED RUBBER OR ELASTOMERIC POLYVINYL CHLORIDE COUPLINGS WITH CORROSION RESISTANT TYPE 316 STAINLESS STEEL CLAMPS AND TYPE 305 BOLTS. TRENCH AND BACKFILL SEWER PIPE PER CVWD STD. DWG 40-S, REFER TO DETAIL ON C006. CONTRACTOR SHALL REPAIR DAMAGED CONCRETE SIDEWALK, CURB & GUTTER TO MATCH EXISTING.</p> <p>(AM) CONSTRUCT STANDARD CLEANOUT PER CVWD DWG. NO. 30-S, REFER TO DETAILS ON C006.</p> <p>(AN) CORE DRILL OPENING IN EXISTING MANHOLE WALL. GROUT IN NEW 6\" SEWER PIPE TO PROVIDE A WATERTIGHT SEAL.</p> <p>(AO) CONSTRUCT RELINER IN EXISTING SEWER MANHOLE PER DETAILS ON C006.</p>

NOTE TO CONTRACTOR: THE GENERAL CONTRACTOR IS REQUIRED TO PERFORM ALL SITE PREPARATION WORK, INCLUDING BUT NOT LIMITED TO: EXCAVATION, OVER-EXCAVATION, SCARIFYING, COMPACTION & HAULING AWAY EARTH MATERIAL UNDER PROPOSED BUILDING TO FORM PIT FOR FOUNDATIONS. EXISTING SUBGRADE SOILS BELOW THE PROPOSED BOTTOM OF THE FOUNDATIONS SHOULD BE OVEREXCAVATED TO A MINIMUM DEPTH OF 24-INCHES BELOW THE BOTTOM OF THE FOOTING. THE OVEREXCAVATION SHOULD BE EXTENDED BEYOND THE EDGES OF THE FOOTINGS, A DISTANCE OF 5 FEET. PRIOR TO PLACING ANY NEW FILL, THE UPPER 6 TO 8 INCHES OF THE SUBGRADE SHOULD BE SCARIFIED AND REWORKED. ALL REWORKED SOILS AND STRUCTURAL FILLS SHOULD BE DENSIFIED TO ACHIEVE AT LEAST 95% RELATIVE COMPACTION PER ASTM D1557. CONTRACTOR SHALL ALSO INSTALL ACCESS WELLS, AIR VENTS & CONCRETE FOUNDATIONS. CONTRACTOR IS REQUIRED TO REMOVE SUPPLUS SOIL AND WASTE MATERIAL, INCLUDING UNSATISFACTORY SOIL, TRASH, & DEBRIS AND LEGALLY DISPOSE OF IT OFF THE OWNER'S PROPERTY.

NOTE TO CONTRACTOR: BEFORE DEMOLITION OCCURS, THE CONTRACTOR SHALL COMPLETE HIS OWN UNDERGROUND UTILITY MAPPING SURVEY OF THE PROJECT SITE TO DETERMINE WHERE EXISTING UTILITIES ARE AND WHERE POSSIBLE UNDERGROUND CONFLICTS MAY OCCUR.

EARTHWORK NOTICE TO CONTRACTOR: NO EARTHWORK ANALYSIS HAS BEEN COMPLETED WITH RESPECT TO VOLUMES OF SOILS TO BE EXCAVATED, PLACED, OR IMPORTED IN ORDER TO PROVIDE THE FINISHED GRADES SHOWN ON THE PLANS. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR VERIFYING THE EARTHWORK QUANTITIES NECESSARY TO COMPLETE THE PROJECT.



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**CRESCENTA VALLEY HIGH SCHOOL
SPORTS MEDICINE RELOCATABLE**

2900 COMMUNITY AVENUE
LA CRESCENTA, CALIFORNIA 91214

GLENDALE UNIFIED SCHOOL DISTRICT

owner

IBP project number : 21015.00

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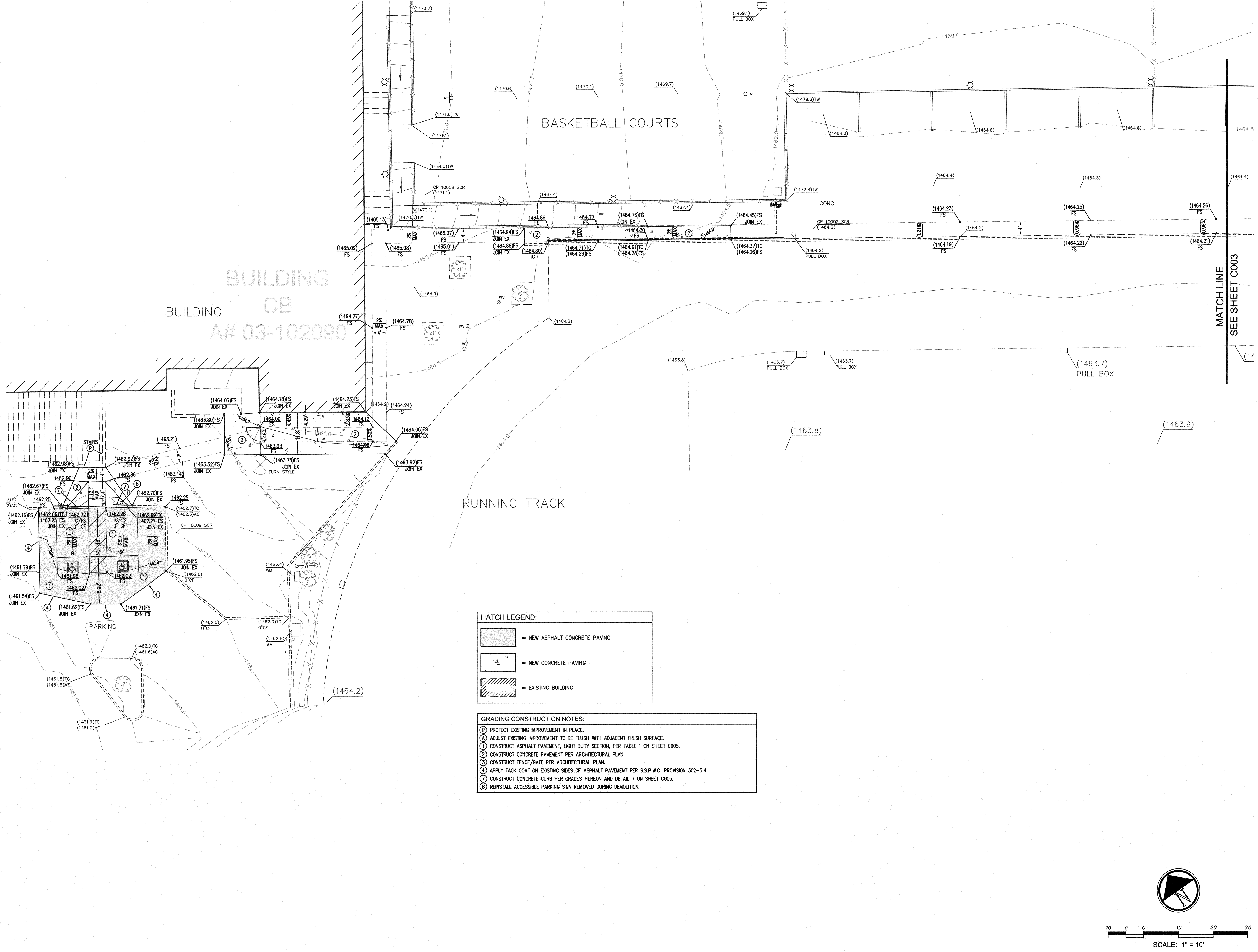
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**GRADING AND
UTILITY PLAN**

drawing no.:
C003

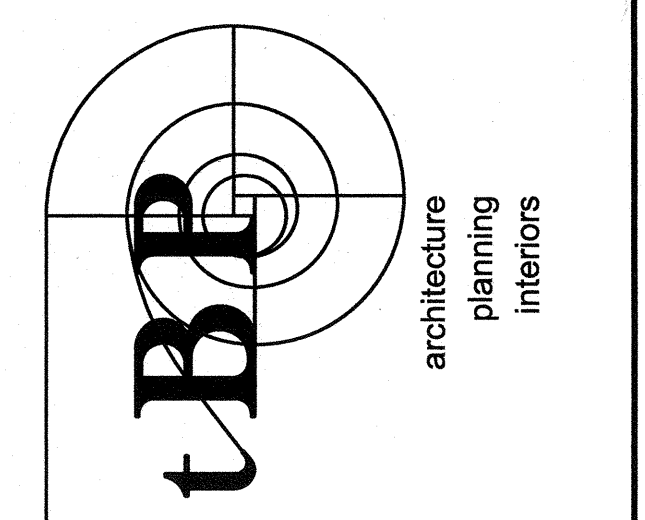
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HATCH LEGEND:

	= NEW ASPHALT CONCRETE PAVING
	= NEW CONCRETE PAVING
	= EXISTING BUILDING

- GRADING CONSTRUCTION NOTES:**
- Ⓟ PROTECT EXISTING IMPROVEMENT IN PLACE.
 - Ⓐ ADJUST EXISTING IMPROVEMENT TO BE FLUSH WITH ADJACENT FINISH SURFACE.
 - ① CONSTRUCT ASPHALT PAVEMENT, LIGHT DUTY SECTION, PER TABLE 1 ON SHEET C005.
 - ② CONSTRUCT CONCRETE PAVEMENT PER ARCHITECTURAL PLAN.
 - ③ CONSTRUCT FENCE/GATE PER ARCHITECTURAL PLAN.
 - ④ APPLY TACK COAT TO EXISTING SIDES OF ASPHALT PAVEMENT PER S.S.P.W.C. PROVISION 302-5.4.
 - ⑦ CONSTRUCT CONCRETE CURB PER GRADES HEREON AND DETAIL 7 ON SHEET C005.
 - ⑧ REINSTALL ACCESSIBLE PARKING SIGN REMOVED DURING DEMOLITION.



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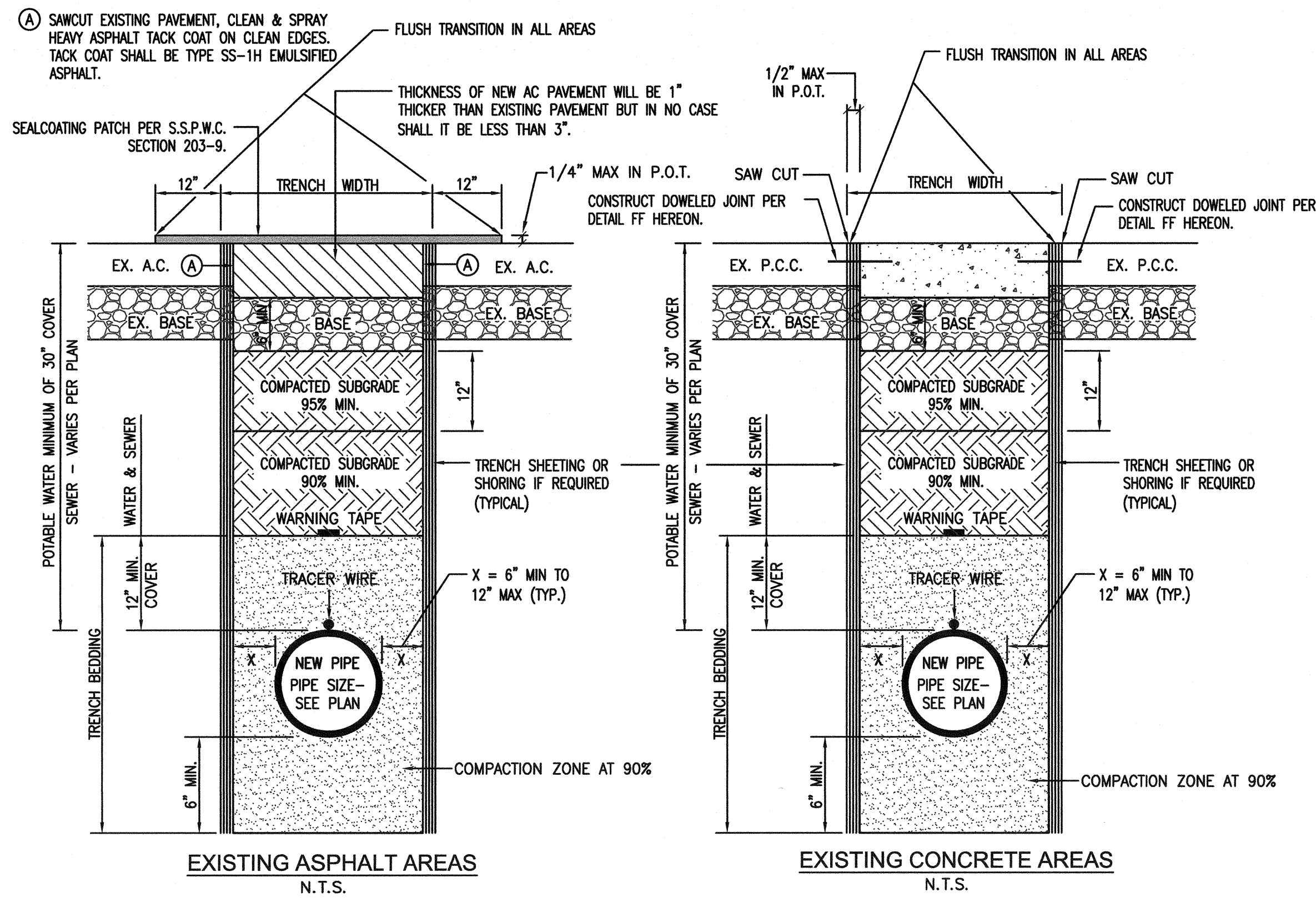
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GRADING PLAN

drawing no.:
C004
drawing of

ON-SITE TRENCHING DETAILS - SEWER & WATER LINES



TRENCH EXCAVATION, BEDDING, & BACKFILL NOTES:
EXCAVATION NOTE: THE 2016 CALIFORNIA OCCUPATIONAL SAFETY AND HEALTH REGULATIONS (CAL/OSHA) WILL REQUIRE A PERMIT FOR THE CONSTRUCTION OF TRENCHES OR EXCAVATIONS WHICH ARE FIVE (5) FEET OR DEEPER AND INTO WHICH A PERSON IS REQUIRED TO DESCEND. FOR PERMIT PURPOSES, "DESCEND" MEANS TO ENTER ANY PART OF THE TRENCH OR EXCAVATION ONCE THE EXCAVATION HAS ATTAINED A DEPTH OF 5 FEET OR MORE. FOR REGULATIONS RELATING TO PERMITS FOR EXCAVATIONS AND TRENCHES, REFER TO THE CALIFORNIA CODE OF REGULATIONS TITLE 8, CHAPTER 3.2, ARTICLE 2, SECTION 341 OF THE CALIFORNIA OCCUPATIONAL SAFETY AND HEALTH REGULATIONS (CAL/OSHA).
 THE CONTRACTOR SHALL SUBMIT A DETAIL SHOWING THE DESIGN OR SHORING, BRACING, SLOPING OR OTHER PROVISIONS TO BE MADE FOR WORKER PROTECTION FROM THE HAZARDS OF CAVING GROUND DURING THE EXCAVATION. THE PLAN SUBMITTED SHALL BE SIGNED BY A REGISTERED CIVIL OR STRUCTURAL ENGINEER CERTIFIED THAT THE PLAN COMPLIES WITH ALL OSHA CONSTRUCTION SAFETY ORDERS.

BEDDING & BACKFILL: SHALL BE PLACED IN ACCORDANCE WITH SECTION 306-1.2.1 AND 306-1.3 OF THE "STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION (S.S.P.W.C.), 2015 EDITION" AND AS SUPPLEMENTED HEREIN. TRENCH BACKFILL SLURRY PER SECTION 201-1. EXISTING SITE SOILS, WHERE CONDITIONS DICTATE HEREIN, ARE CONSIDERED SUITABLE FOR BACKFILLING OF UTILITY TRENCHES PROVIDED THEY ARE FREE OF DEBRIS, PARTICLES GREATER THAN 4 INCHES IN MAXIMUM DIMENSION, ORGANIC MATTER OR OTHER DELECTERIOUS MATERIALS. EXTREME CARE SHALL BE TAKEN TO AVOID DAMAGE TO CONDUITS, PIPES, AND ANY APPURTENANCES. PER SECTION 306-1.2.1 OF S.S.P.W.C., IF SOFT, SPONGY, UNSTABLE OR OTHER UNSUITABLE MATERIAL IS ENCOUNTERED UPON WHICH THE BEDDING MATERIAL OR PIPE IS TO BE PLACED, THIS MATERIAL SHALL BE REMOVED TO A DEPTH ORDERED BY THE CIVIL ENGINEER AND REPLACED WITH BEDDING MATERIAL SUITABLY DENSIFIED.

COMPACTION METHODS: ALL BEDDING & BACKFILL COMPACTION SHALL BE BY HAND-OPERATED, PLATE-TYPE, VIBRATORY, OR OTHER SUITABLE HAND-TAMPERS IN AREAS NOT ACCESSIBLE TO LARGER ROLLERS OR COMPACTORS. EXTREME CARE SHALL BE TAKEN TO AVOID DAMAGE TO CONDUITS, PIPES, AND ANY APPURTENANCES. WATER DENSIFICATION BY INUNDATION OR JETTING SHALL NOT BE PERMITTED WITHOUT PRIOR WRITTEN APPROVAL FROM CIVIL ENGINEER.

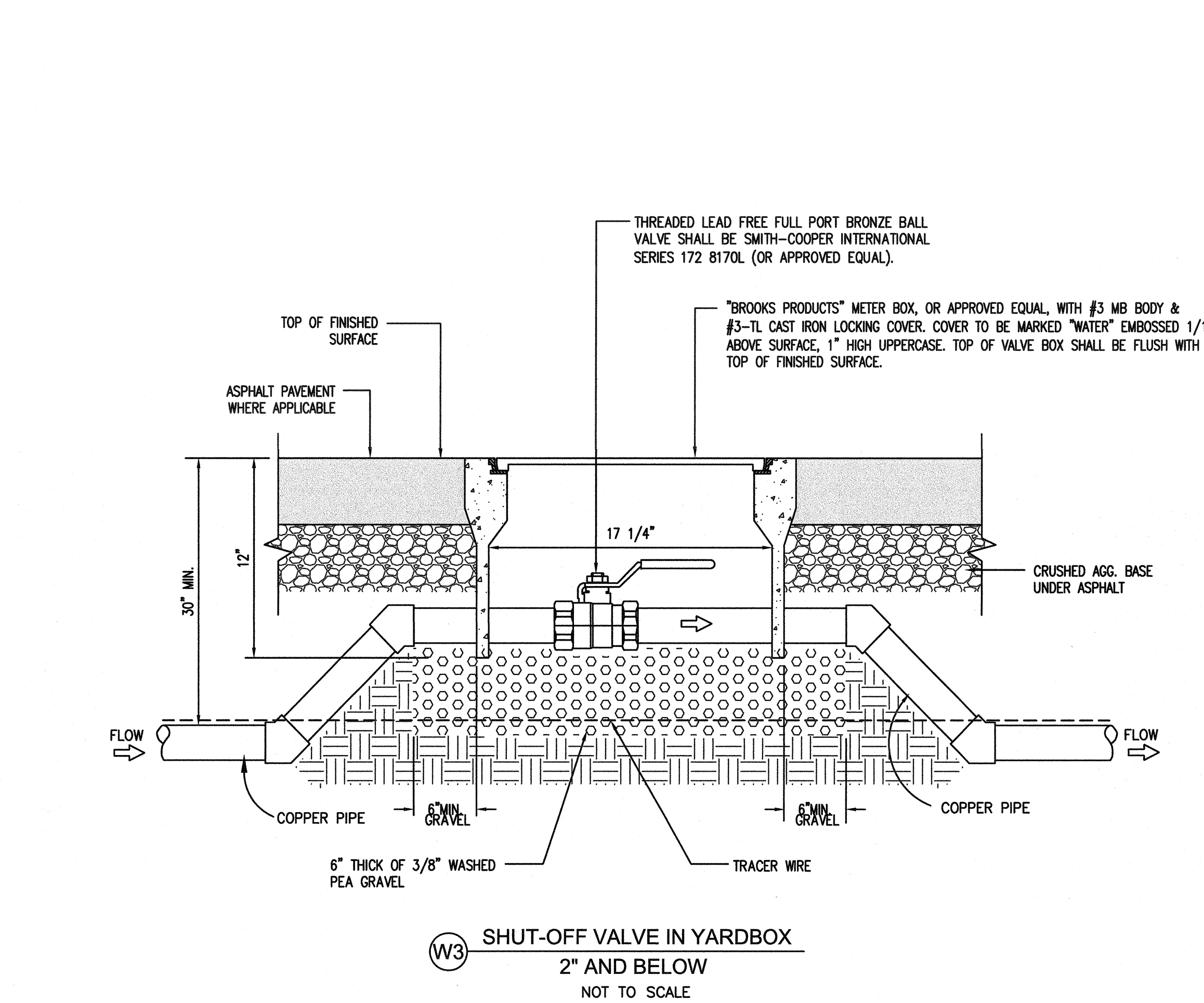
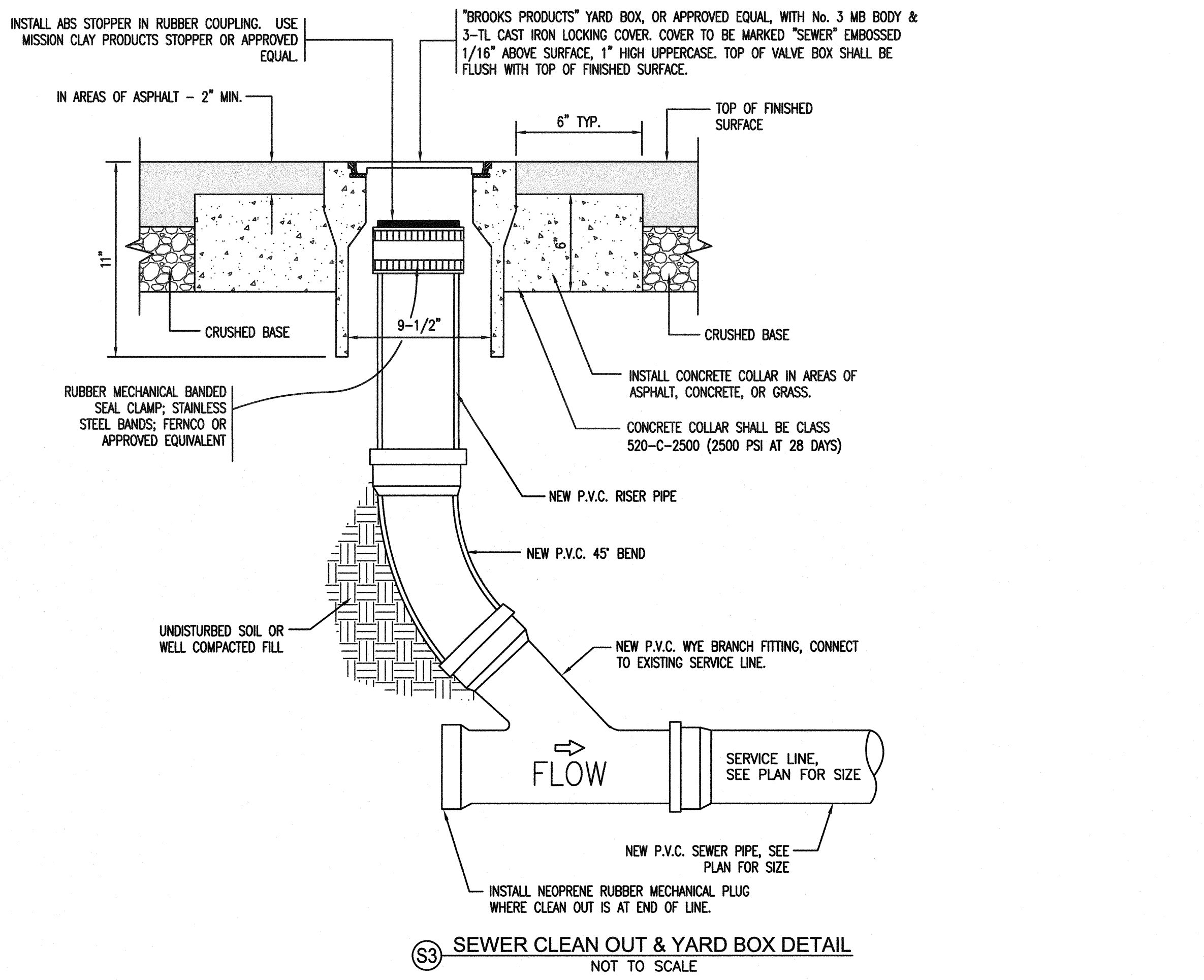
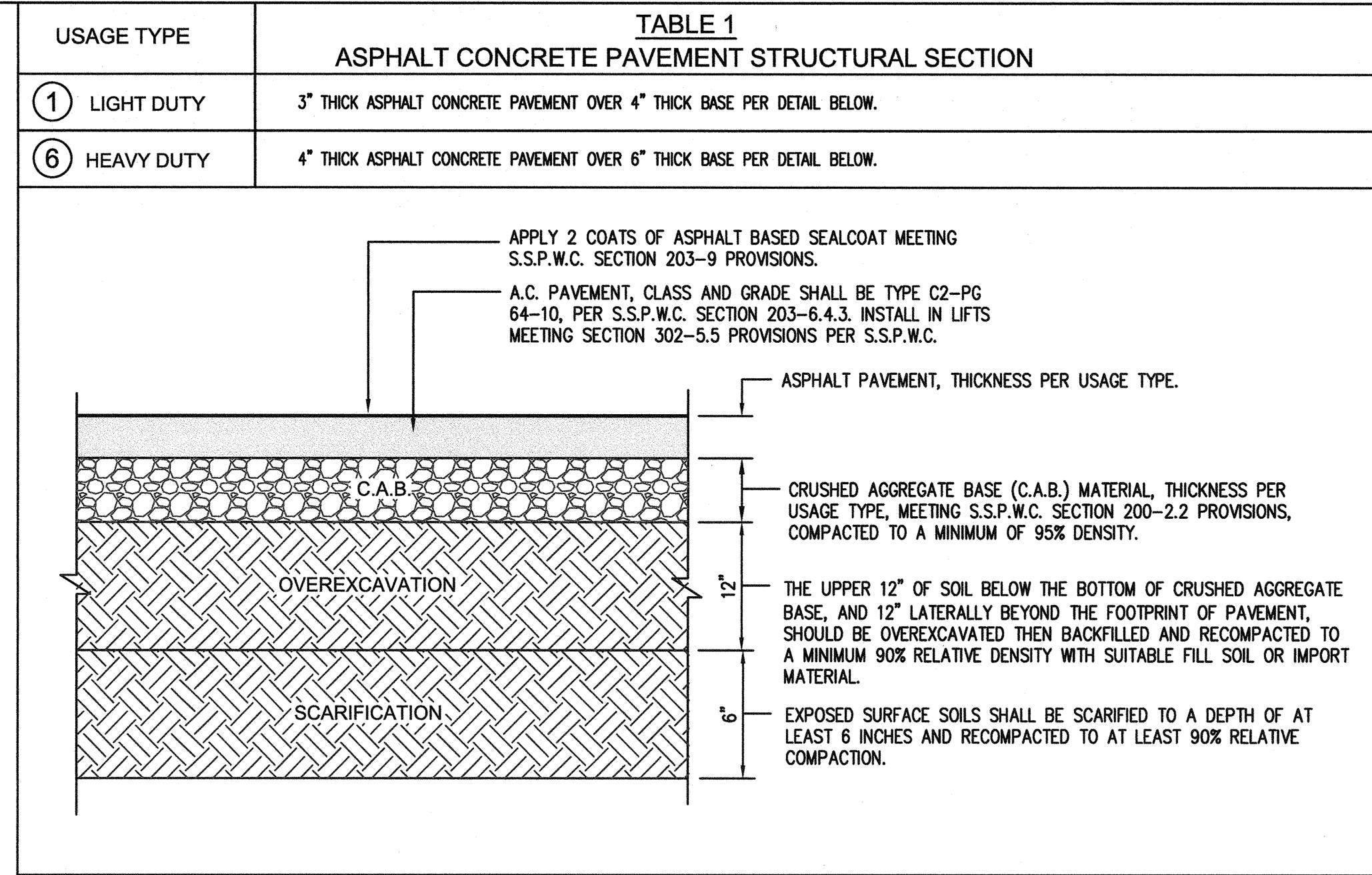
SHORING: WHEN EXCAVATION DEPTHS OR SOIL CONDITIONS REQUIRE SHORING OR USE OF A TRENCH BOX, THE BOTTOM OF THE SHORING OR TRENCH BOX SHOULD BE PLACED NO LOWER THAN THE TOP OF THE PIPE. THIS PREVENTS DISRUPTION OF THE BACKFILL ENVELOPE WHEN REMOVING THE SHORING OR TRENCH BOX. IF THIS PRACTICE CANNOT BE FOLLOWED, CONSIDERATION SHOULD BE GIVEN TO LEAVING THE SHORING IN PLACE.

*** GENERAL NOTES:**
 IF 90% COMPACTION IS NOT ATTAINABLE DURING CONSTRUCTION THE USE OF A SLURRY BACKFILL MAY BE SUBSTITUTED. SAND SLURRY SHALL CONSIST OF 1 SACK PORTLAND CEMENT (CLASS 100-E-100) PER CUBIC YARD OF SAND SLURRY MIX.

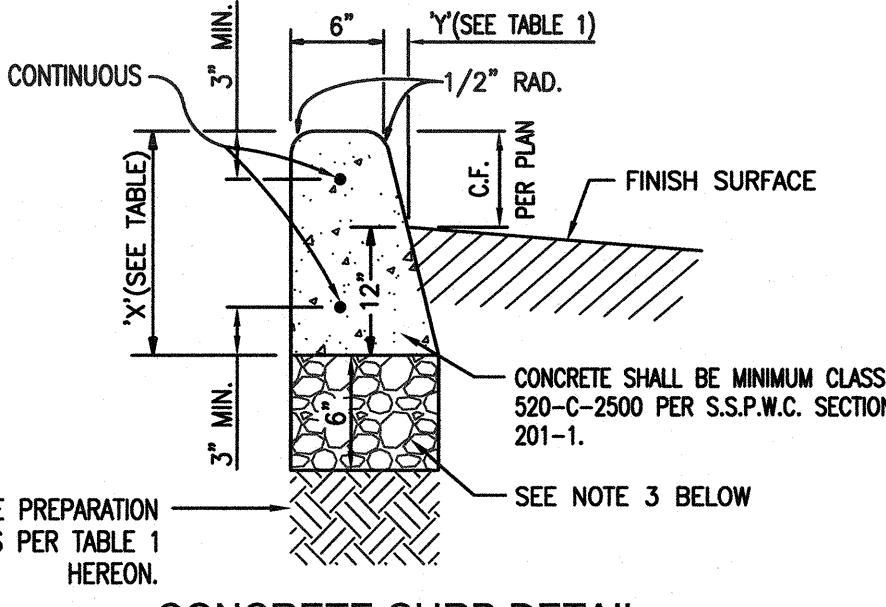
WARNING TAPE NOTES (ON-SITE WATER):
 A METALLIC LINED TAPE FOR UNDERGROUND PIPES, MARKED "CAUTION BURIED WATER LINE BELOW", IN POLYETHYLENE FILM COLOR BLUE, INSTALLED ABOVE PIPE, 6" WIDE.

WARNING TAPE NOTES (ON-SITE SEWER):
 A METALLIC LINED TAPE FOR UNDERGROUND PIPES, MARKED "CAUTION BURIED SEWER LINE BELOW", IN POLYETHYLENE FILM COLOR GREEN, INSTALLED ABOVE PIPE, 6" WIDE.

TRACER WIRE NOTES:
 COPPER TRACER WIRE SHALL BE INSTALLED ON ALL NON-METALLIC PIPELINES, 2" AND GREATER, JUST ABOVE THE HORIZONTAL CENTERLINE OF THE PIPE. THE COPPER WIRE SHALL BE #14 AWG.

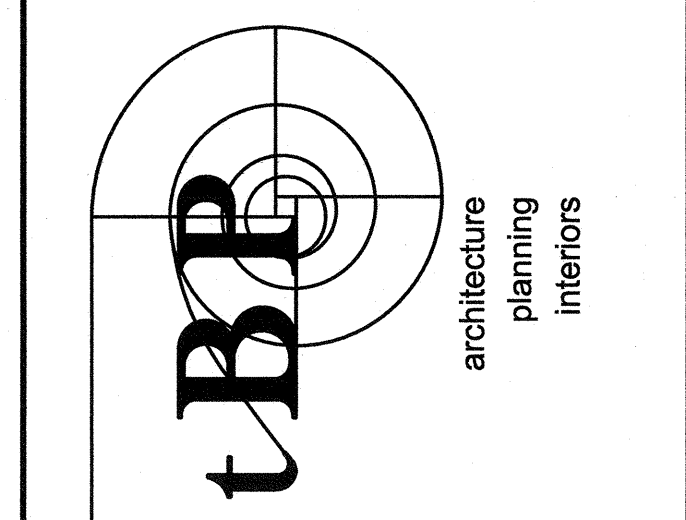


CURB FACE	0"	2"	4"	5"	6"	8"
X	12"	14"	16"	17"	18"	20"
Y	0"	0.5"	1"	1.25"	1.5"	2"



7 CONCRETE CURB DETAIL
 NOT TO SCALE

CURB GENERAL NOTES:
 1. ALL EXPOSED EDGES SHALL HAVE A 1/2" RADIUS.
 2. CONTROL JOINTS SHALL BE PLACED IN CURBING AT REGULAR INTERVALS OF 10'. EXPANSION JOINTS AT 30' INTERVALS, AND AT DRIVE APPROACHES, B.C.'S, E.C.'S, CROSS GUTTERS AND CATCH BASIN TRANSITIONS PER JOINT DETAILS HEREON.
 3. A 6" THICK LAYER OF CRUSHED AGGREGATE BASE SHALL BE PLACED UNDER ALL CURB. MINIMUM COMPACTION OF 90% RELATIVE DENSITY UNLESS WAIVED BY CIVIL ENGINEER.
 4. CONCRETE CURB SHALL BE MINIMUM CLASS 5000-C-2500 PER S.S.P.W.C. SECTION 201-1.
 5. PLACE NO. 4 REBARS 3" MINIMUM FROM TOP AND BOTTOM OF CURB.



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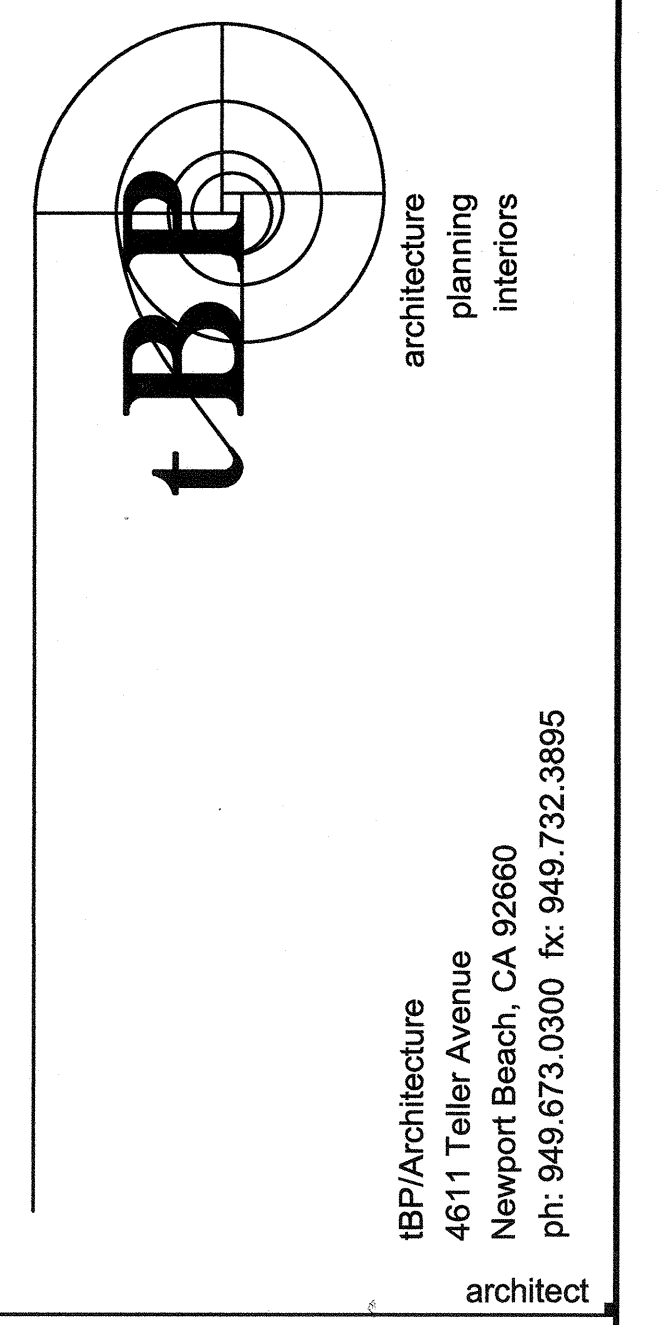
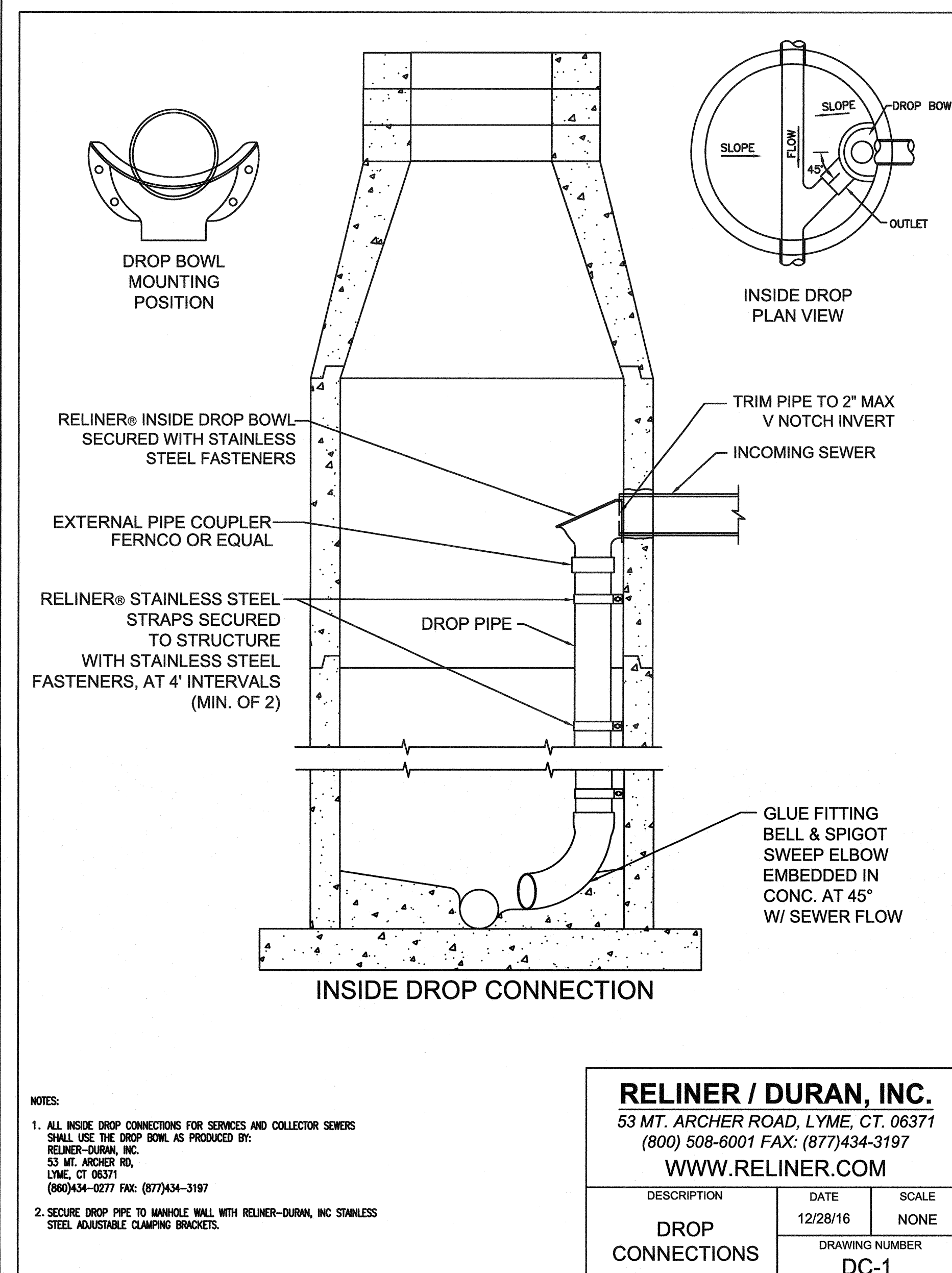
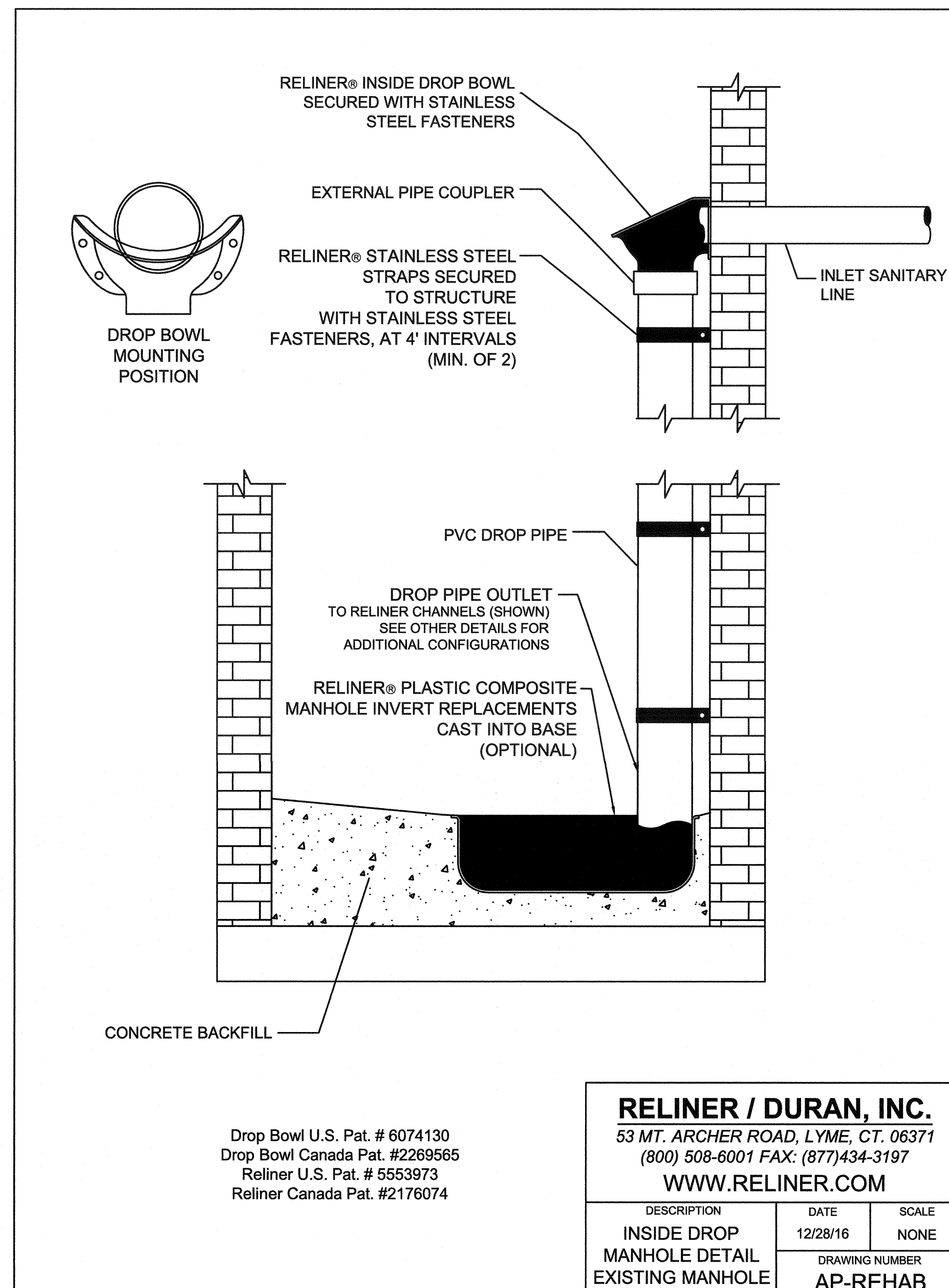
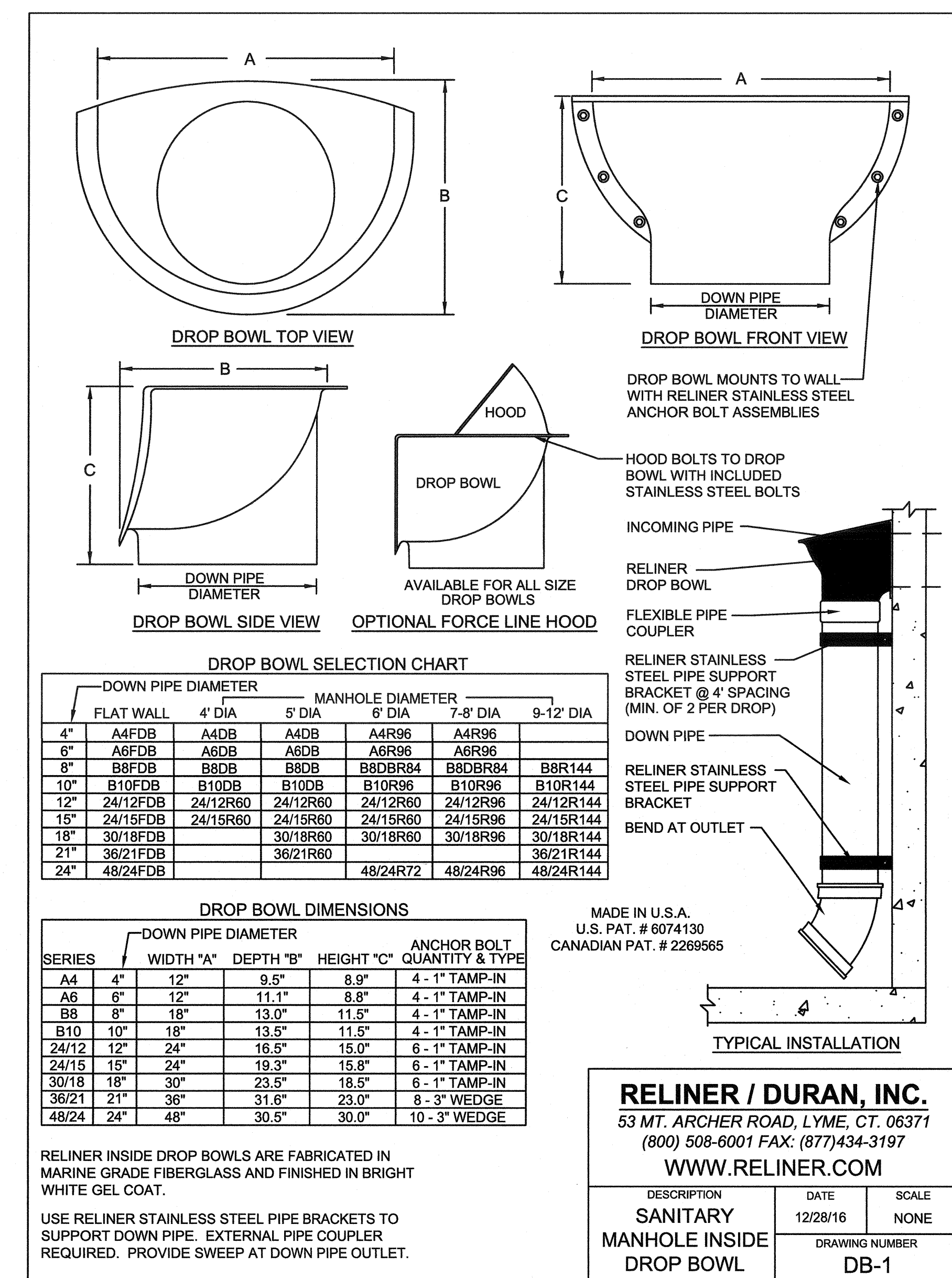
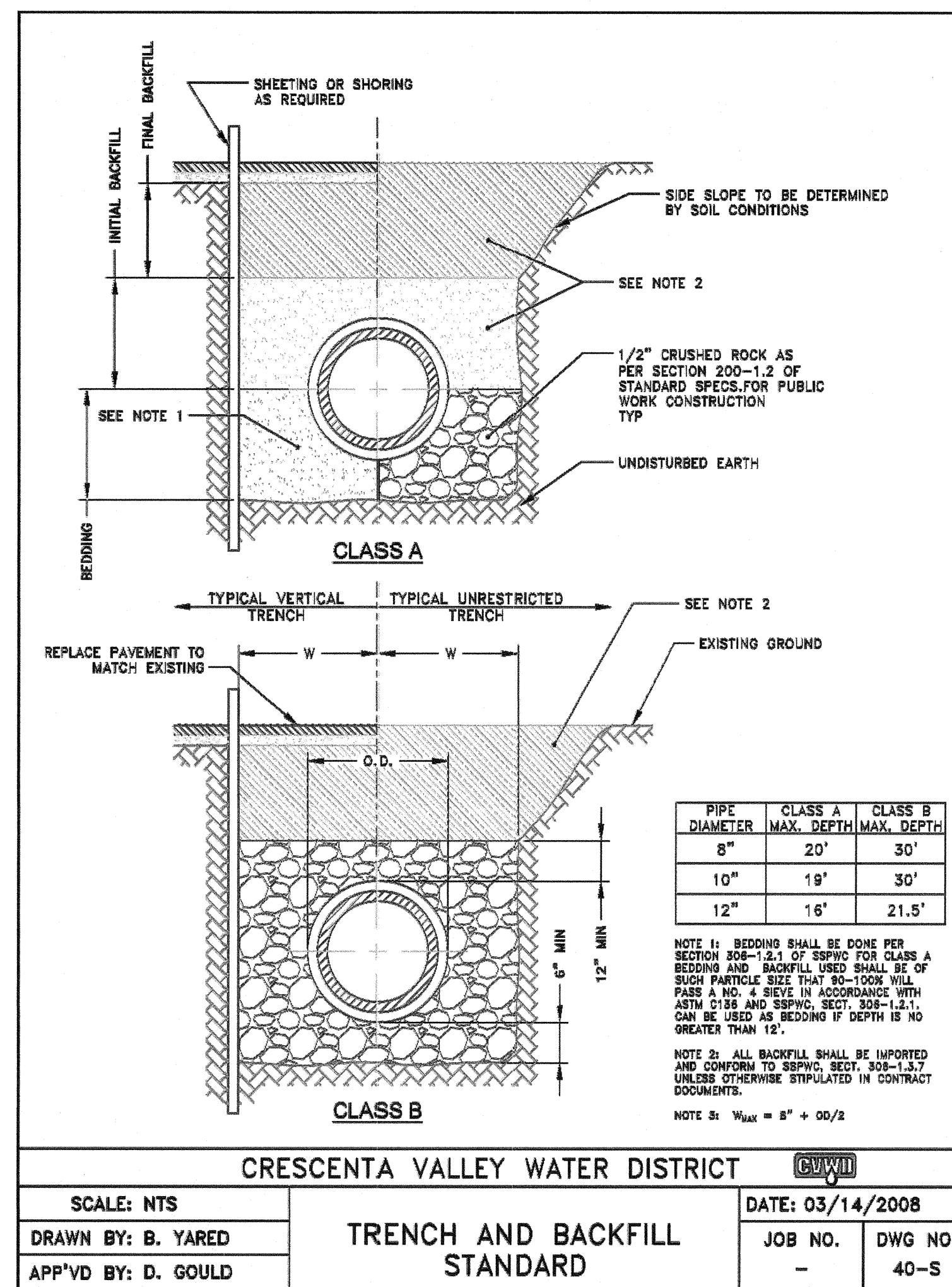
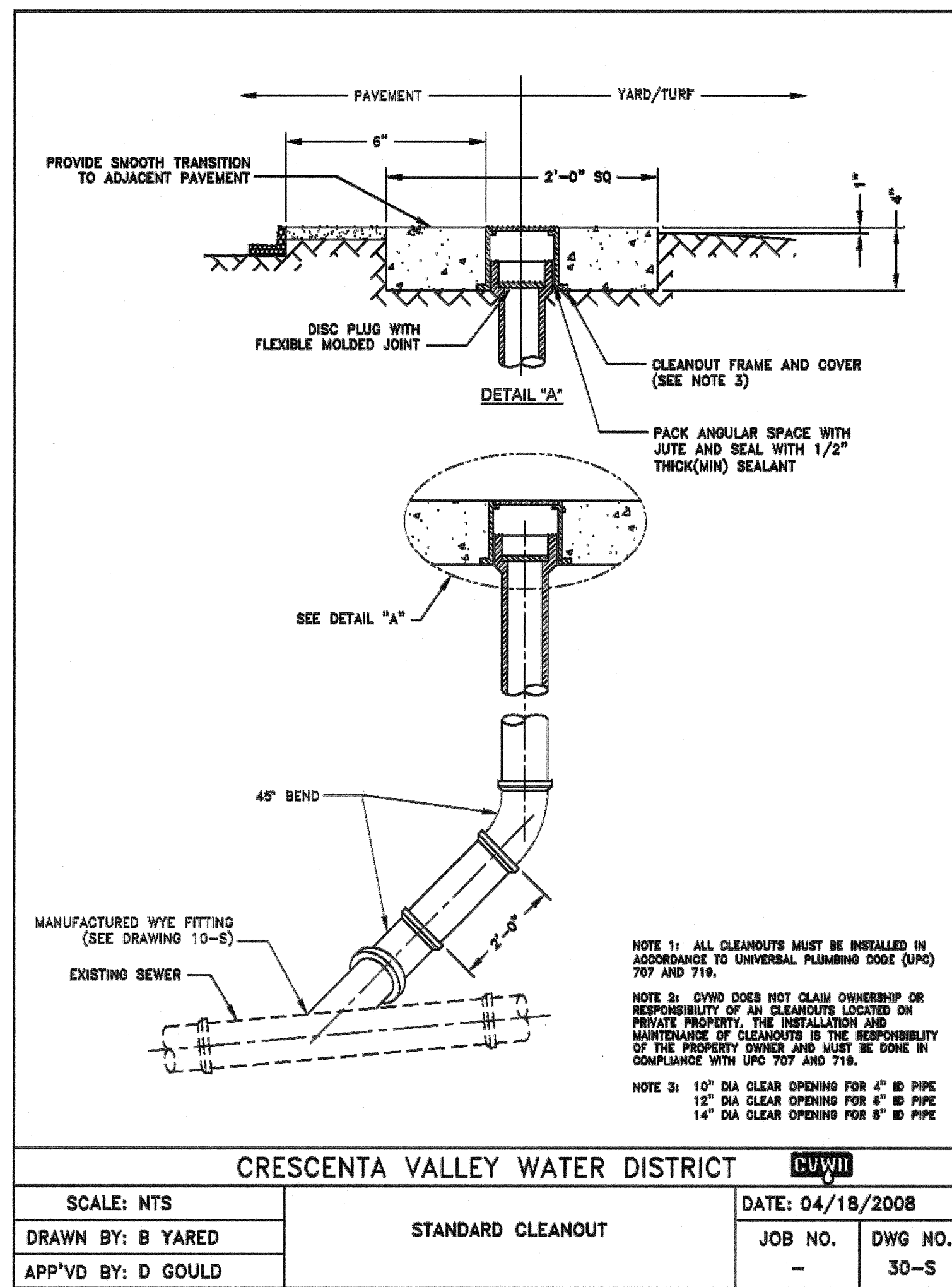
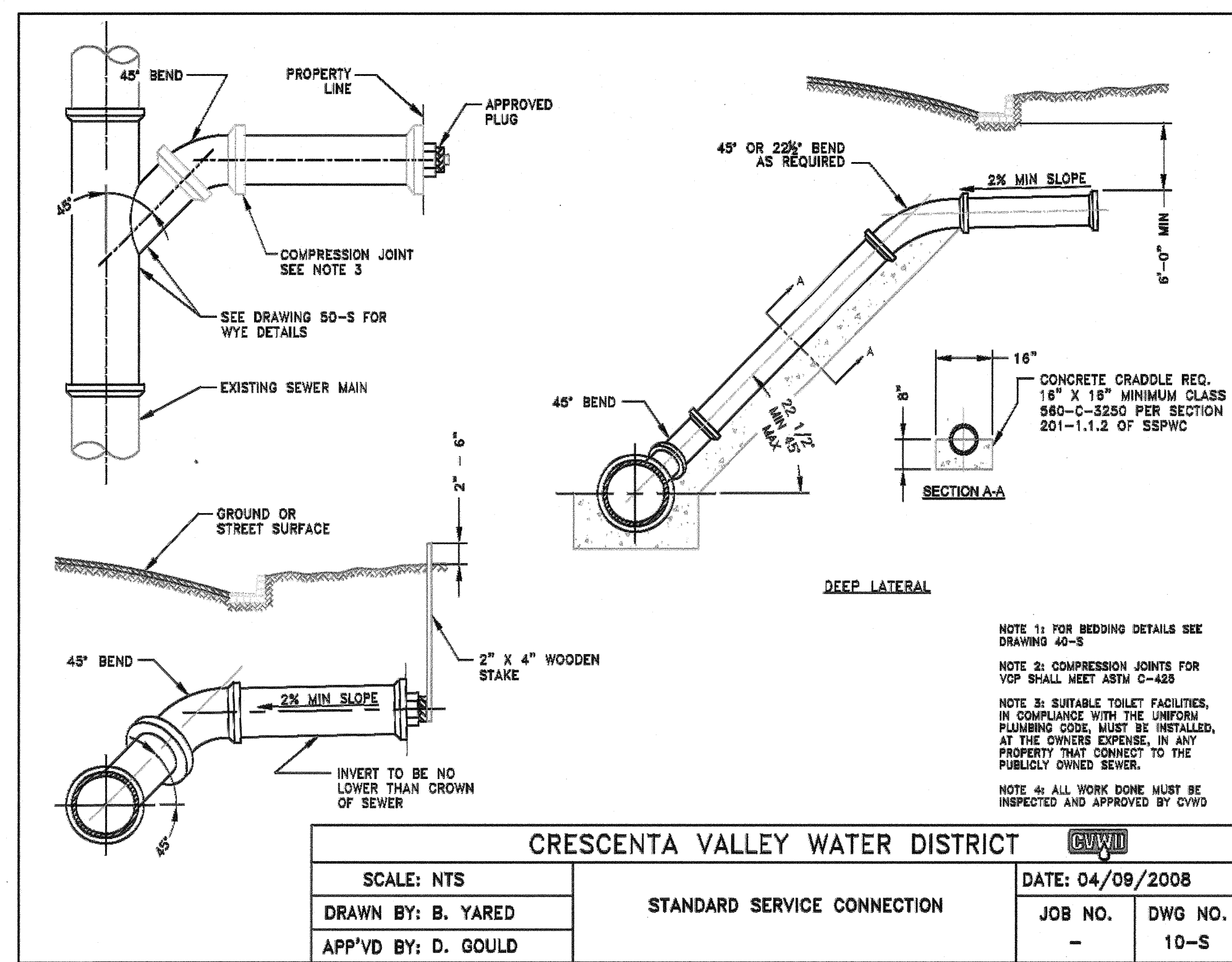
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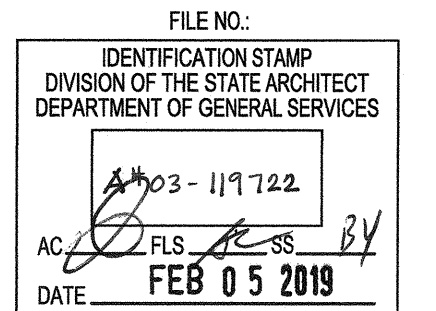
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**GRADING AND
 UTILITY DETAILS**

drawing no.:
C005

drawing of



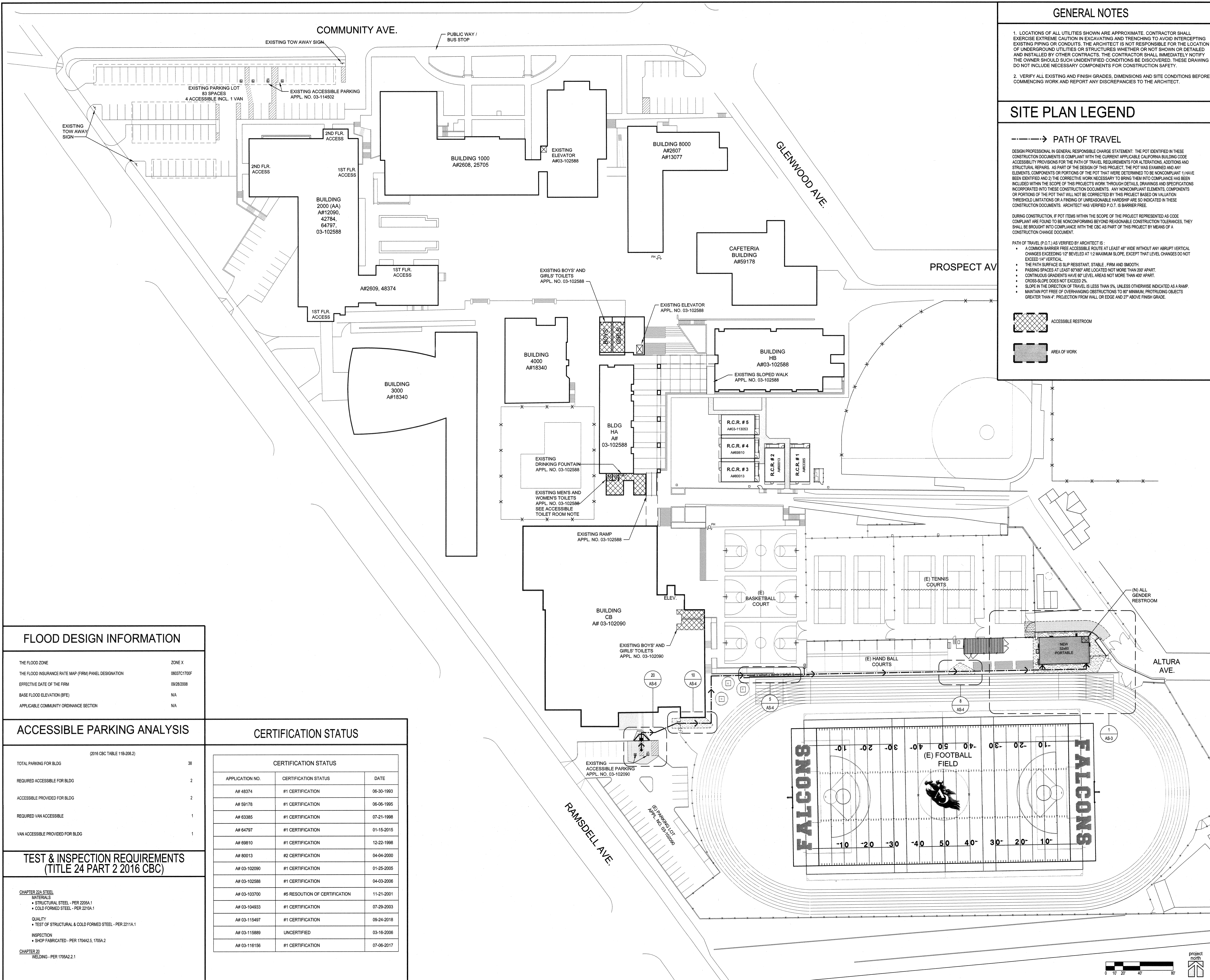
PLANS PREPARED BY:
FPL FPL and Associates, Inc.
 Traffic • Transportation • Civil
 30 Corporate Park, Suite 401
 Irvine, CA 92606
 Phone: 949-252-1688



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 DSA Los Angeles Regional Office
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 Los Angeles, California 90012
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CRESCENTA VALLEY HIGH SCHOOL SPORTS MEDICINE RELOCATABLE
 2800 COMMUNITY AVENUE
 LA CRESCENTA, CALIFORNIA 91214
 GLENDALE UNIFIED SCHOOL DISTRICT
 owner

tBP project number : 2016.00
 file name:
 drawn by: DB checked by: RC
 date: 01-21-2019
 Rev: date: description:
 drawing title:
OFF-SITE DETAILS
 drawing no.:
C006
 drawing of

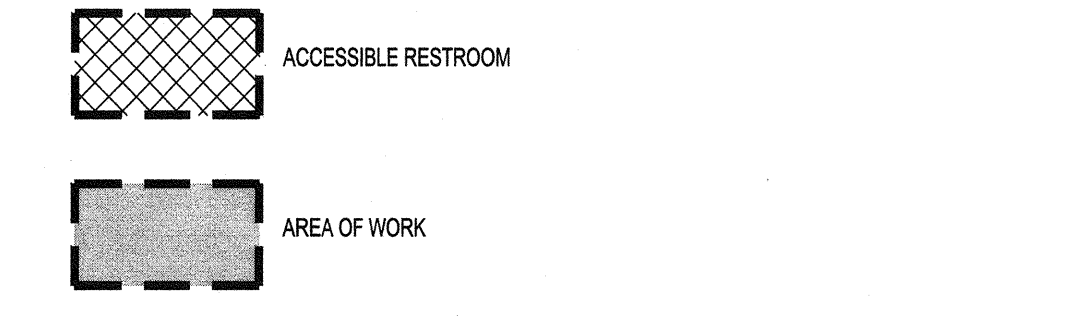


GENERAL NOTES

1. LOCATIONS OF ALL UTILITIES SHOWN ARE APPROXIMATE. CONTRACTOR SHALL EXERCISE EXTREME CAUTION IN EXCAVATING AND TRENCHING TO AVOID INTERCEPTING EXISTING PIPING OR CONDUITS. THE ARCHITECT IS NOT RESPONSIBLE FOR THE LOCATION OF UNDERGROUND UTILITIES OR STRUCTURES WHETHER OR NOT SHOWN OR DETAILED AND INSTALLED BY OTHER CONTRACTS. THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE OWNER SHOULD SUCH UNIDENTIFIED CONDITIONS BE DISCOVERED. THESE DRAWINGS DO NOT INCLUDE NECESSARY COMPONENTS FOR CONSTRUCTION SAFETY.
2. VERIFY ALL EXISTING AND FINISH GRADES, DIMENSIONS AND SITE CONDITIONS BEFORE COMMENCING WORK AND REPORT ANY DISCREPANCIES TO THE ARCHITECT.

SITE PLAN LEGEND

- > PATH OF TRAVEL
- DESIGN PROFESSIONAL IN GENERAL RESPONSIBLE CHARGE STATEMENT: THE POT IDENTIFIED IN THESE CONSTRUCTION DOCUMENTS IS COMPLIANT WITH THE CURRENT APPLICABLE CALIFORNIA BUILDING CODE ACCESSIBILITY PROVISIONS FOR THE PATH OF TRAVEL REQUIREMENTS FOR ALTERATIONS, ADDITIONS AND STRUCTURAL REPAIRS. AS PART OF THE DESIGN OF THIS PROJECT, THE POT WAS EXAMINED AND ANY ELEMENTS, COMPONENTS OR PORTIONS OF THE POT THAT WERE DETERMINED TO BE NONCOMPLIANT 1) HAVE BEEN IDENTIFIED AND 2) THE CORRECTIVE WORK NECESSARY TO BRING THEM INTO COMPLIANCE HAS BEEN INCLUDED WITHIN THE SCOPE OF THIS PROJECTS WORK THROUGH DETAILS, DRAWINGS AND SPECIFICATIONS INCORPORATED INTO THESE CONSTRUCTION DOCUMENTS. ANY NONCOMPLIANT ELEMENTS, COMPONENTS OR PORTIONS OF THE POT THAT WILL NOT BE CORRECTED BY THIS PROJECT BASED ON VALUATION THRESHOLD LIMITATIONS OR A FINDING OF UNREASONABLE HARSHNESS ARE SO INDICATED IN THESE CONSTRUCTION DOCUMENTS. ARCHITECT HAS VERIFIED P.O.T. IS BARRIER FREE.
- DURING CONSTRUCTION, IF POT ITEMS WITHIN THE SCOPE OF THE PROJECT REPRESENTED AS CODE COMPLIANT ARE FOUND TO BE NONCONFORMING BEYOND REASONABLE CONSTRUCTION TOLERANCES, THEY SHALL BE BROUGHT INTO COMPLIANCE WITH THE CBC AS PART OF THIS PROJECT BY MEANS OF A CONSTRUCTION CHANGE DOCUMENT.
- PATH OF TRAVEL (P.O.T.) AS VERIFIED BY ARCHITECT IS:
- A COMMON BARRIER FREE ACCESSIBLE ROUTE AT LEAST 48" WIDE WITHOUT ANY ABRUPT VERTICAL CHANGES EXCEEDING 1/2" REVEALED AT 1/2" MAXIMUM SLOPE, EXCEPT THAT LEVEL CHANGES DO NOT EXCEED 1/4" VERTICAL.
 - THE PATH SURFACE IS SLIP RESISTANT, STABLE, FIRM AND SMOOTH.
 - PASSING SPACES AT LEAST 60"x60" ARE LOCATED NOT MORE THAN 200' APART.
 - CONTINUOUS GRADIENTS HAVE 8% LEVEL AREAS NOT MORE THAN 400' APART.
 - CROSS-SLOPE DOES NOT EXCEED 2%.
 - SLOPE IN THE DIRECTION OF TRAVEL IS LESS THAN 5%, UNLESS OTHERWISE INDICATED AS A RAMP.
 - MAINTAIN POT FREE OF OVERHANGING OBSTRUCTIONS TO 80" MINIMUM, PROTRUDING OBJECTS GREATER THAN 4" PROJECTION FROM WALL OR EDGE AND 27" ABOVE FINISH GRADE.



FLOOD DESIGN INFORMATION

THE FLOOD ZONE	ZONE X
THE FLOOD INSURANCE RATE MAP (FIRM) PANEL DESIGNATION	06037C1700F
EFFECTIVE DATE OF THE FIRM	09/29/2008
BASE FLOOD ELEVATION (BFE)	N/A
APPLICABLE COMMUNITY ORDINANCE SECTION	N/A

ACCESSIBLE PARKING ANALYSIS

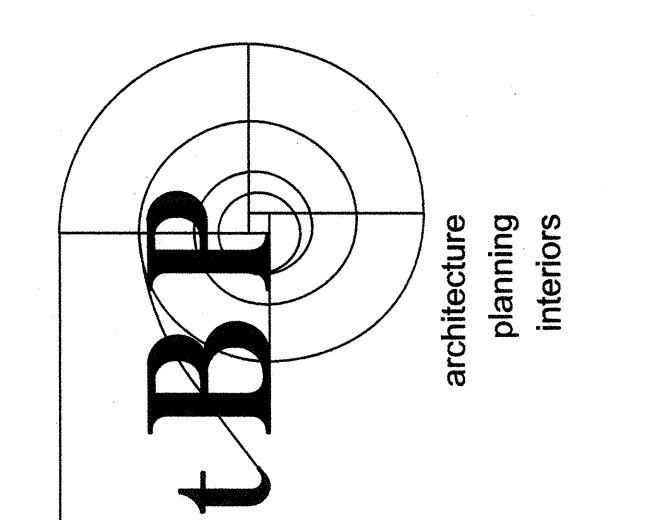
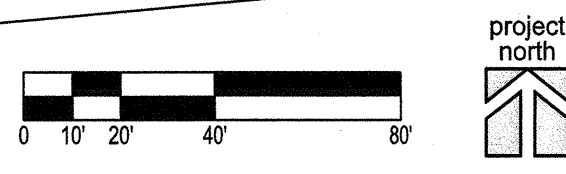
TOTAL PARKING FOR BLDG	38
REQUIRED ACCESSIBLE FOR BLDG	2
ACCESSIBLE PROVIDED FOR BLDG	2
REQUIRED VAN ACCESSIBLE	1
VAN ACCESSIBLE PROVIDED FOR BLDG	1

TEST & INSPECTION REQUIREMENTS (TITLE 24 PART 2 2016 CBC)

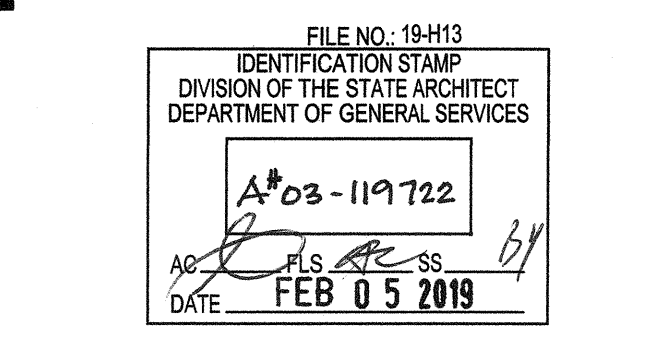
- CHAPTER 22A STEEL**
- MATERIALS**
- STRUCTURAL STEEL - PER 2206A.1
 - COLD-FORMED STEEL - PER 2210A.1
- QUALITY**
- TEST OF STRUCTURAL & COLD FORMED STEEL - PER 2211A.1
- INSPECTION**
- SHOP FABRICATED - PER 1704A.2, 1705A.2
- CHAPTER 20**
- WELDING - PER 1705A2.2.1

CERTIFICATION STATUS

APPLICATION NO.	CERTIFICATION STATUS	DATE
A# 48374	#1 CERTIFICATION	06-30-1993
A# 59178	#1 CERTIFICATION	06-06-1995
A# 63385	#1 CERTIFICATION	07-21-1998
A# 64797	#1 CERTIFICATION	01-15-2015
A# 69810	#1 CERTIFICATION	12-22-1998
A# 80013	#2 CERTIFICATION	04-04-2000
A# 03-102090	#1 CERTIFICATION	01-25-2005
A# 03-102588	#1 CERTIFICATION	04-03-2008
A# 03-103700	#5 RESOLUTION OF CERTIFICATION	11-21-2001
A# 03-104933	#1 CERTIFICATION	07-29-2003
A# 03-115497	#1 CERTIFICATION	09-24-2018
A# 03-115889	UNCERTIFIED	03-16-2006
A# 03-116156	#1 CERTIFICATION	07-06-2017



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**CRESCENTA VALLEY HIGH SCHOOL
SPORTS MEDICINE MODULAR BLDG.**

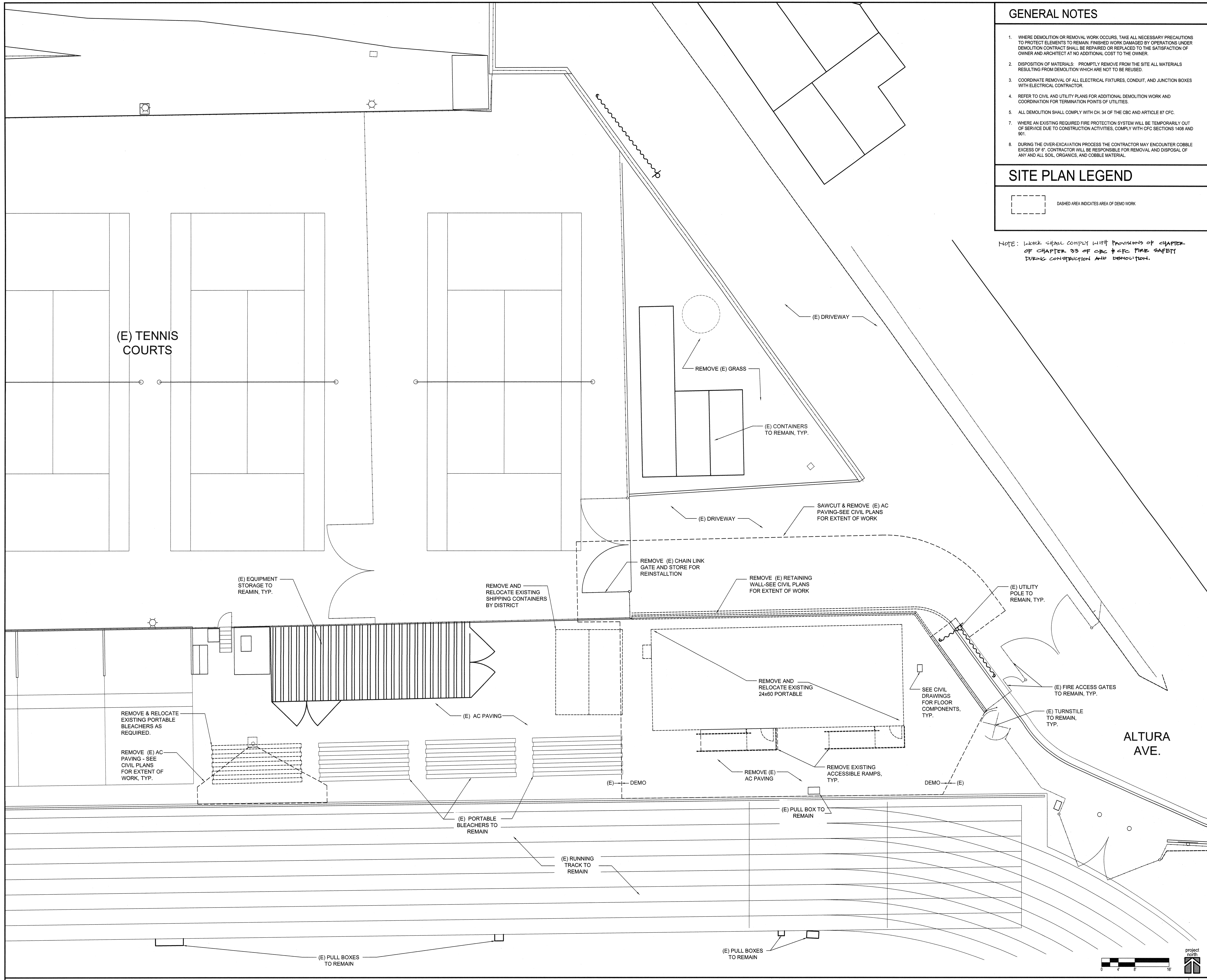
GLENDALE UNIFIED SCHOOL DISTRICT
2900 COMMUNITY AVENUE
LA CRESCENTA, CALIFORNIA 91214

IBP project number : 21015.00
file name: 04S-1_Overall Campus Site Plan
drawn by: EL checked by: CL
date: FEBRUARY 05, 2019

Rev: date: description:

drawing title:
**OVERALL CAMPUS
SITE PLAN**

drawing no.:
AS-1
drawing of



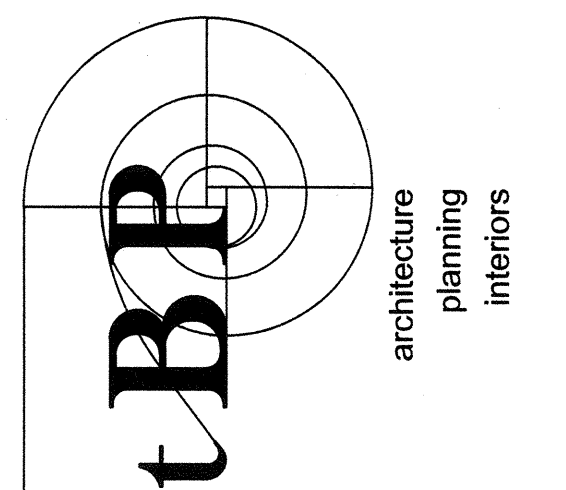
GENERAL NOTES

1. WHERE DEMOLITION OR REMOVAL WORK OCCURS, TAKE ALL NECESSARY PRECAUTIONS TO PROTECT ELEMENTS TO REMAIN. FINISHED WORK DAMAGED BY OPERATIONS UNDER DEMOLITION CONTRACT SHALL BE REPAIRED OR REPLACED TO THE SATISFACTION OF OWNER AND ARCHITECT AT NO ADDITIONAL COST TO THE OWNER.
2. DISPOSITION OF MATERIALS: PROMPTLY REMOVE FROM THE SITE ALL MATERIALS RESULTING FROM DEMOLITION WHICH ARE NOT TO BE REUSED.
3. COORDINATE REMOVAL OF ALL ELECTRICAL FIXTURES, CONDUIT, AND JUNCTION BOXES WITH ELECTRICAL CONTRACTOR.
4. REFER TO CIVIL AND UTILITY PLANS FOR ADDITIONAL DEMOLITION WORK AND COORDINATION FOR TERMINATION POINTS OF UTILITIES.
5. ALL DEMOLITION SHALL COMPLY WITH CH. 34 OF THE CBC AND ARTICLE 87 CFC.
7. WHERE AN EXISTING REQUIRED FIRE PROTECTION SYSTEM WILL BE TEMPORARILY OUT OF SERVICE DUE TO CONSTRUCTION ACTIVITIES, COMPLY WITH CFC SECTIONS 1408 AND 901.
8. DURING THE OVER-EXCAVATION PROCESS THE CONTRACTOR MAY ENCOUNTER COBBLE EXCESS OF 6". CONTRACTOR WILL BE RESPONSIBLE FOR REMOVAL AND DISPOSAL OF ANY AND ALL SOIL, ORGANICS, AND COBBLE MATERIAL.

SITE PLAN LEGEND

DASHED AREA INDICATES AREA OF DEMO WORK

NOTE: WORK SHALL COMPLY WITH PROVISIONS OF CHAPTER OF CHAPTER 33 OF CBC & CFC FIRE SAFETY DURING CONSTRUCTION AND DEMOLITION.



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architect

consultant

FILE NO: 19413
IDENTIFICATION STAMP
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03-119722
DATE: FEB 05 2019

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agency

**CRESCENTA VALLEY HIGH SCHOOL
SPORTS MEDICINE MODULAR BLDG.**

GLENDALE UNIFIED SCHOOL DISTRICT
2900 COMMUNITY AVENUE
LA CRESCENTA, CALIFORNIA 91214

owner

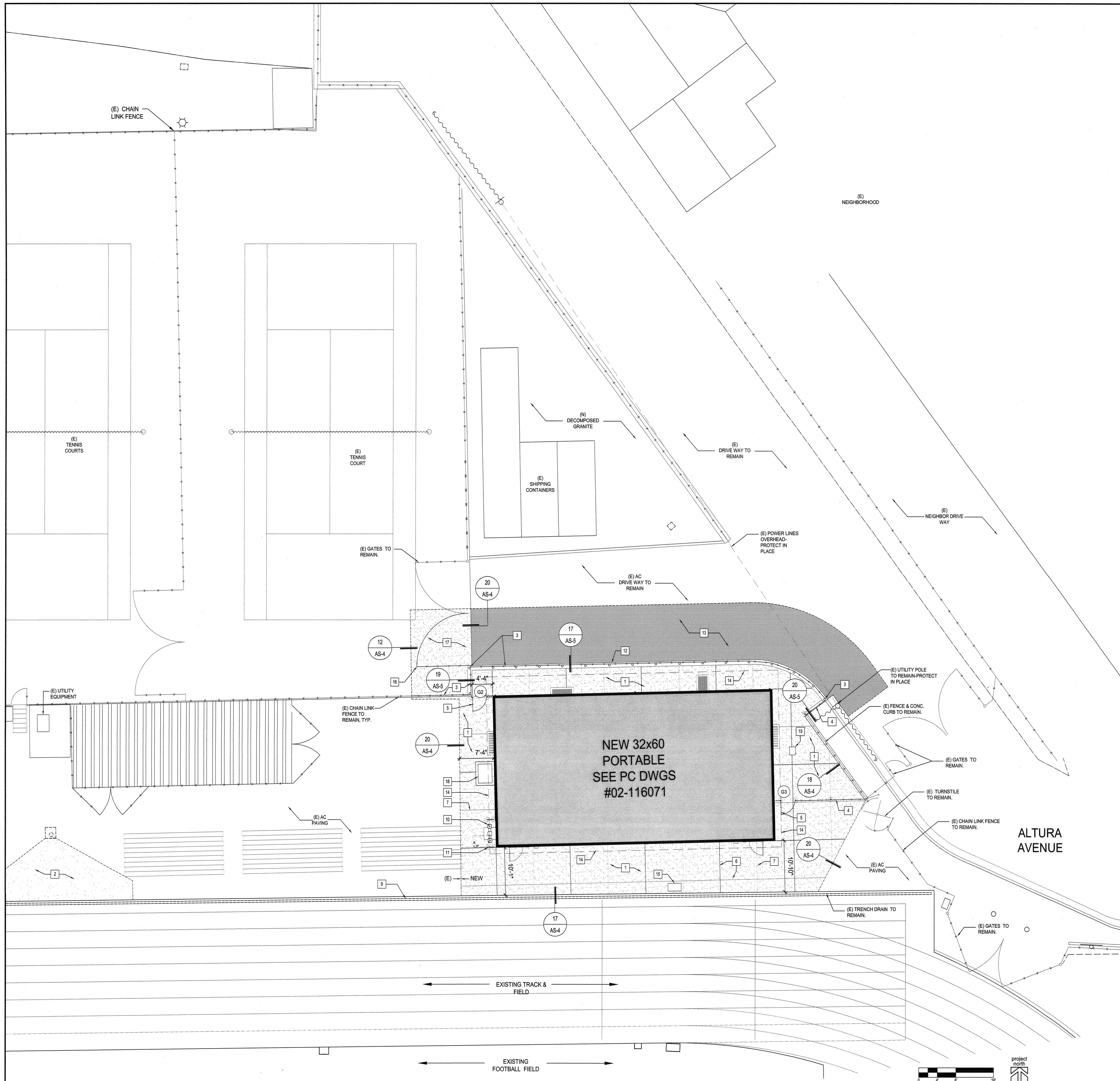
tBP project number :	21015.00
file name :	04S-2_Enlarged Demolition Site Plan
drawn by :	EL
checked by :	CL
date :	FEBRUARY 06, 2019
Rev. date :	
description :	

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drawing title:
**ENLARGED DEMOLITION
SITE PLAN**

drawing no.:
AS-2

drawing of



KEYNOTES	
1	(N) CONC. PAVING PER CIVIL AS-4
2	(N) AC PAVING PER CIVIL AS-4
3	(N) 12' HIGH CHAINLINK FENCE, V.I.F. - SEE DETAIL AS-5
4	(N) 6' HIGH CHAINLINK FENCE, V.I.F. - SEE DETAIL AS-5
5	(N) 6' HIGH CHAINLINK MAN GATE - SEE DETAIL AS-5
6	(N) CONC. EXPANSION JOINT - SEE DETAIL AS-5
7	(N) CONC. CONTROL JOINT - SEE DETAIL AS-5
8	NOT USED
9	NOT USED
10	(N) DRINKING FOUNTAIN - SEE DETAIL AS-6
11	(N) GUARDRAIL - SEE DETAIL AS-6
12	(N) RETAINING WALL - SEE STRUCTURAL DWGS
13	(N) ASPHALT BACKFILL
14	MODULAR ROOF OVERHANG
15	RAISE (E) PULL BOX TO BE FLUSH WITH NEW GRADES, TYP.
16	CAREFULLY REMOVE (E) GATE/POST & STORE FOR REINSTALLATION AFTER CONSTRUCTION
17	NEW TENNIS COURT PAVING TO BE FLUSH & LEVEL WITH (E) PAVING, TYP.
18	NEW TRANSFORMER ON CONCRETE PAD, SEE ELECTRICAL DET. E0-2

GENERAL NOTES

1. 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 MUST BE CORRECTED IN ACCORDANCE WITH CURRENT CODE REQUIREMENTS. A CHANGE ORDER, OR A SEPARATE SET OF PLANS AND SPECIFICATIONS DETAILING AND SPECIFYING THE REQUIRED REPAIR WORK SHALL BE SUBMITTED TO AND APPROVED BY USA BEFORE PROCEEDING WITH THE REPAIR WORK.
2. VERIFY ALL EXISTING AND FINISH GRADES, DIMENSIONS AND SITE CONDITIONS BEFORE COMMENCING WORK AND REPORT ANY DISCREPANCIES TO THE ARCHITECT.
3. LOCATIONS OF ALL UTILITIES SHOWN ARE APPROXIMATE. CONTRACTOR SHALL EXERCISE EXTREME CAUTION IN EXCAVATING AND TRENCHING TO AVOID INTERCEPTING EXISTING PIPING OR CONDUITS. THE ARCHITECT IS NOT RESPONSIBLE FOR THE LOCATION OF UNDERGROUND UTILITIES OR STRUCTURES WHETHER OR NOT SHOWN OR DETAILED AND INSTALLED BY OTHER CONTRACTORS. THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE OWNER SHOULD SUCH UNIDENTIFIED CONDITIONS BE DISCOVERED.
4. SEE T-2 FOR EXISTING MODULAR BUILDING INFORMATION
5. SEE CIVIL DRAWING FOR ADDITIONAL GRADING INFORMATION
6. DURING THE OVER-EXCAVATION PROCESS THE CONTRACTOR MAY ENCOUNTER COBBLE EXCESS OF 6". CONTRACTOR WILL BE RESPONSIBLE FOR REMOVAL AND DISPOSAL OF ANY AND ALL SOIL, ORGANICS, AND COBBLE MATERIAL.

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consultant

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A05-119722
DATE FEB 05 2019

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**CRESCENTA VALLEY HIGH SCHOOL
SPORTS MEDICINE MODULAR BLDG.**

GLENDALE UNIFIED SCHOOL DISTRICT
2900 COMMUNITY AVENUE
LA CRESCENTA, CALIFORNIA 91214

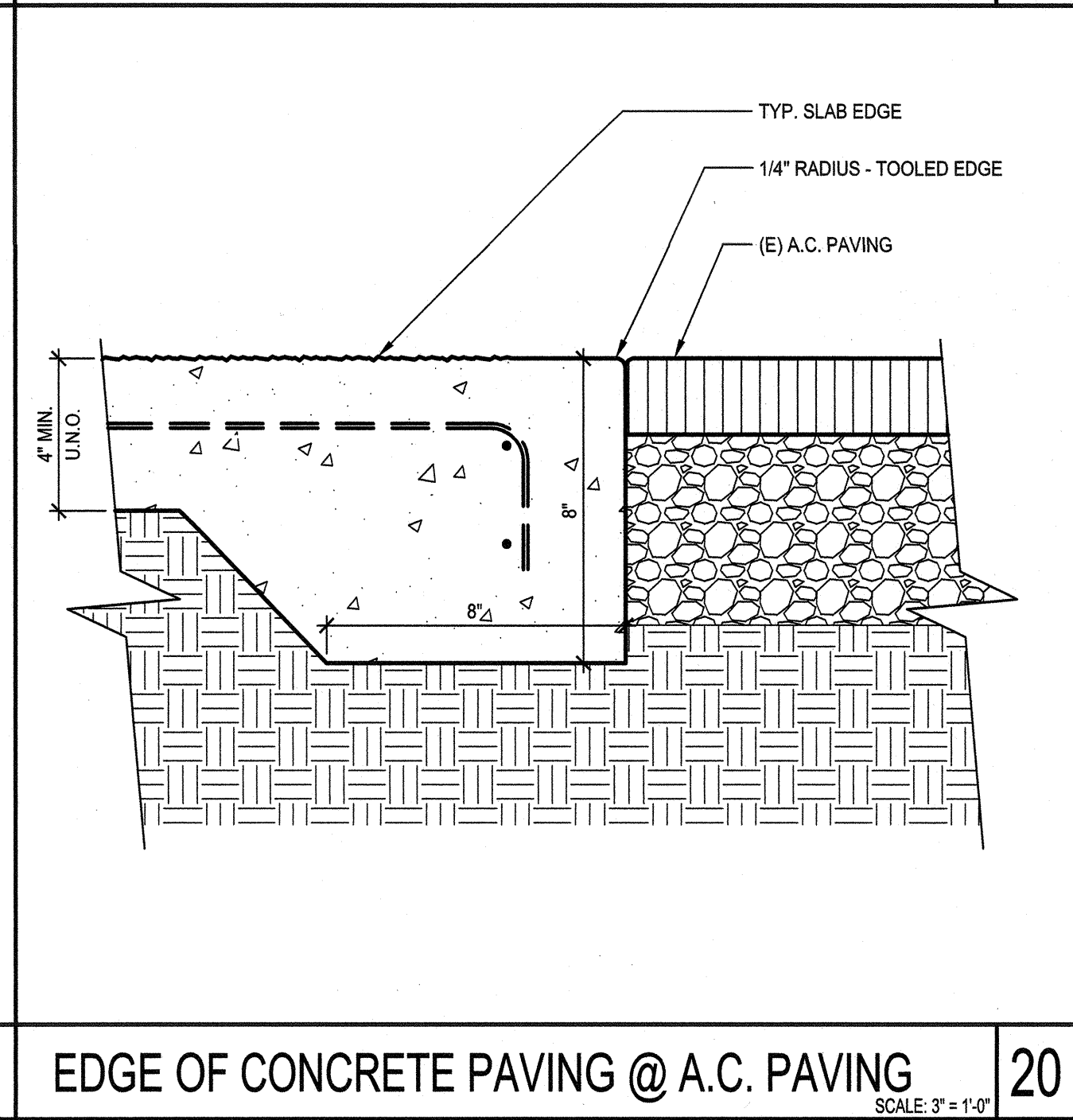
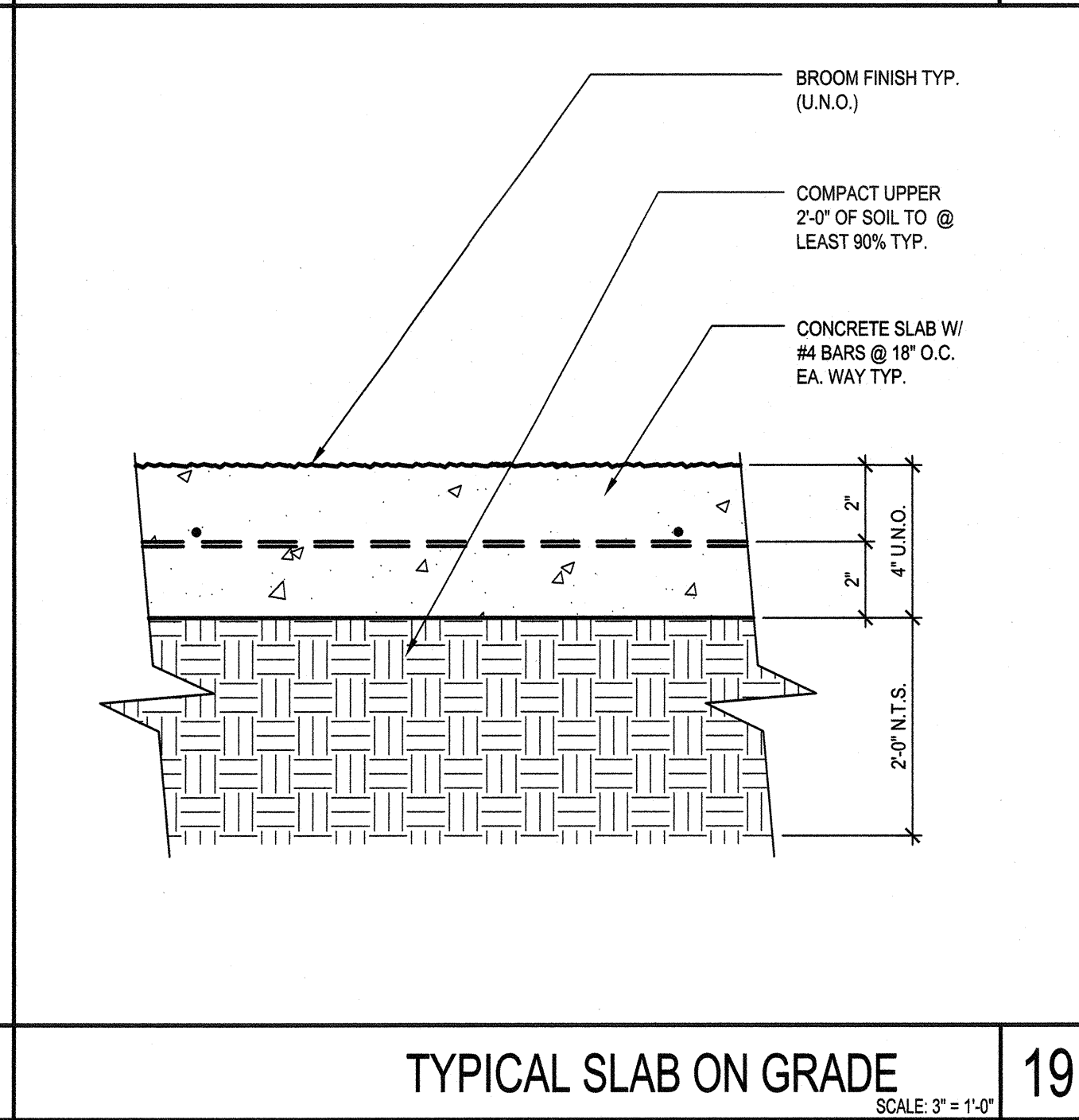
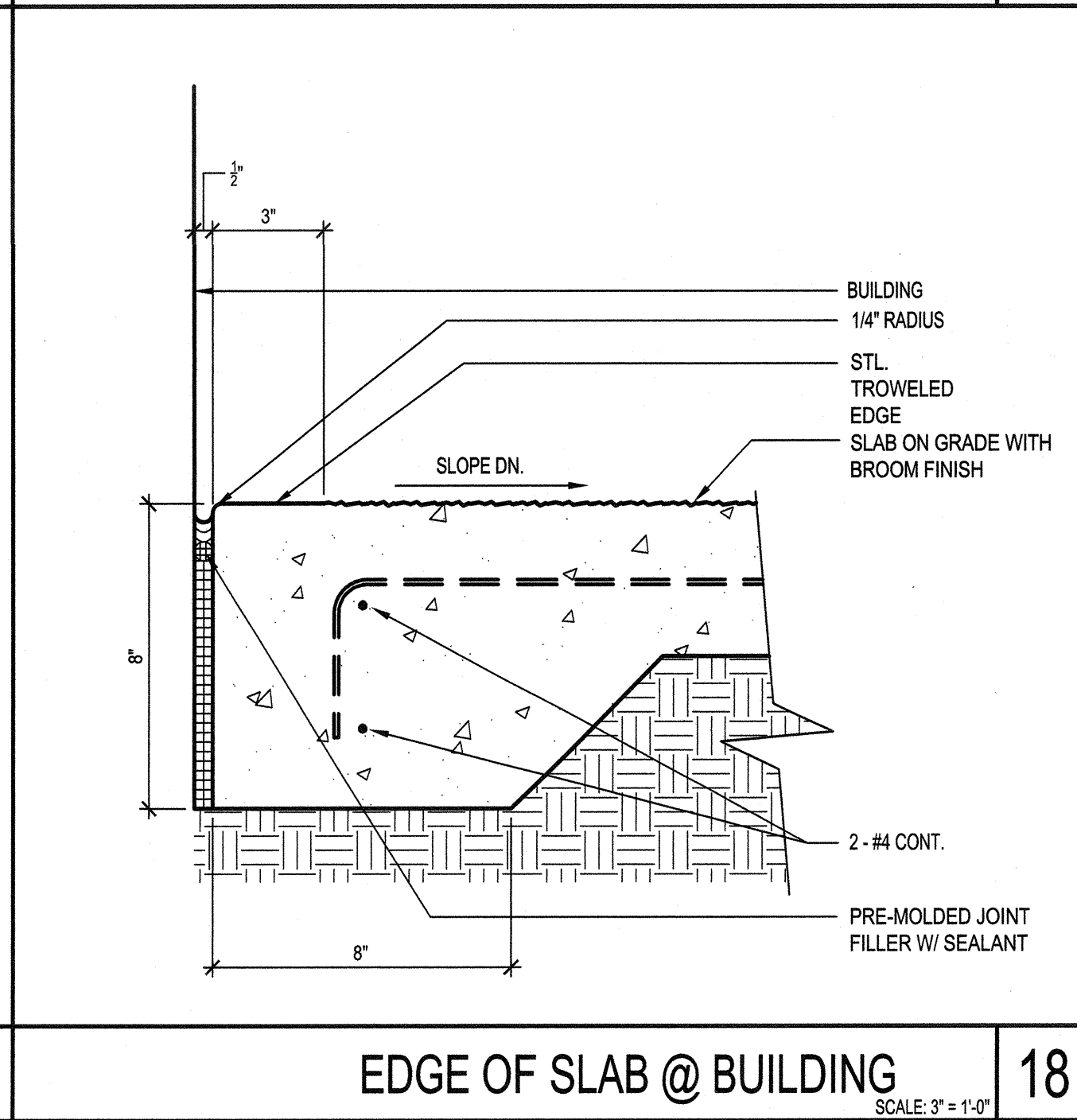
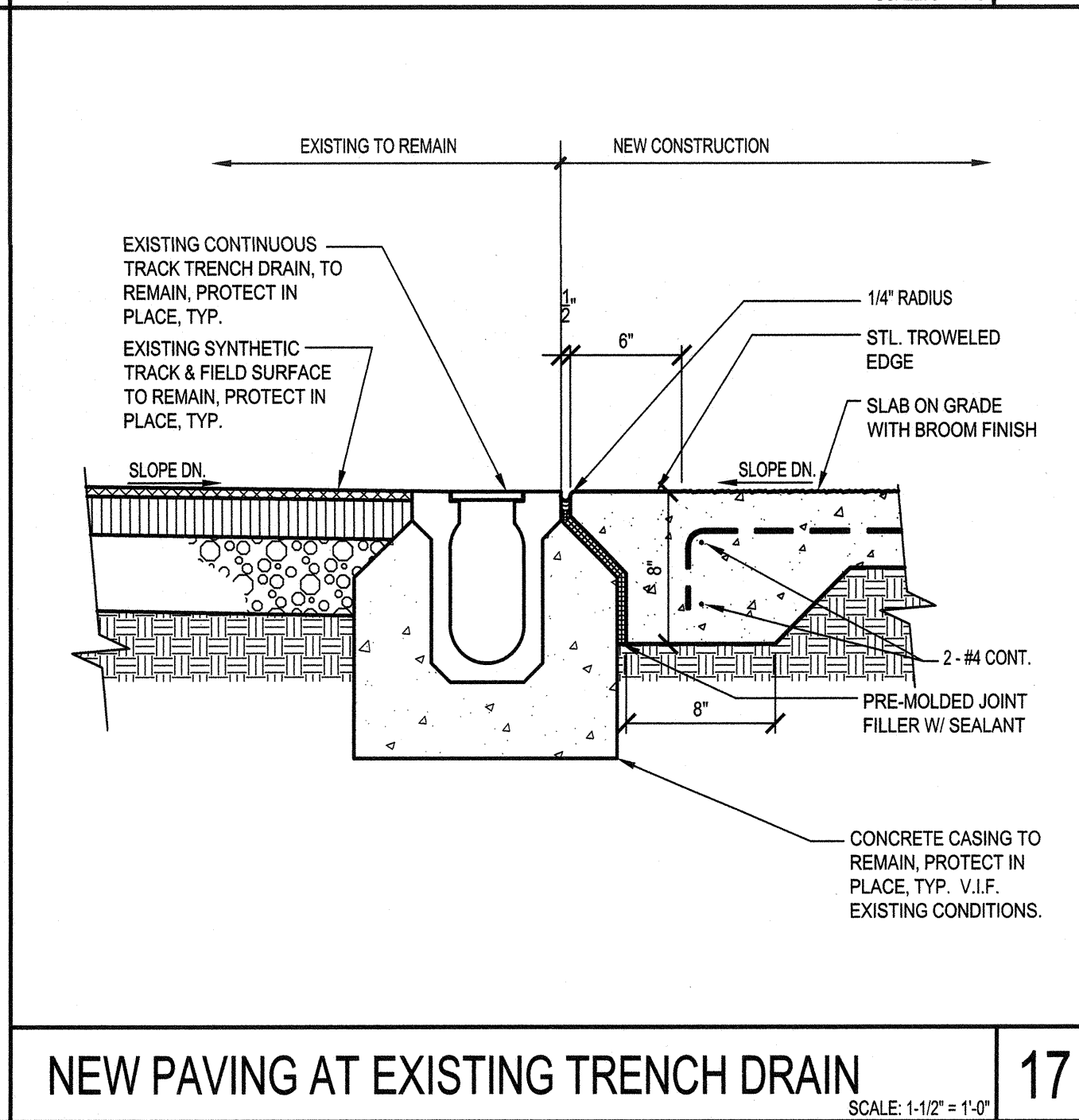
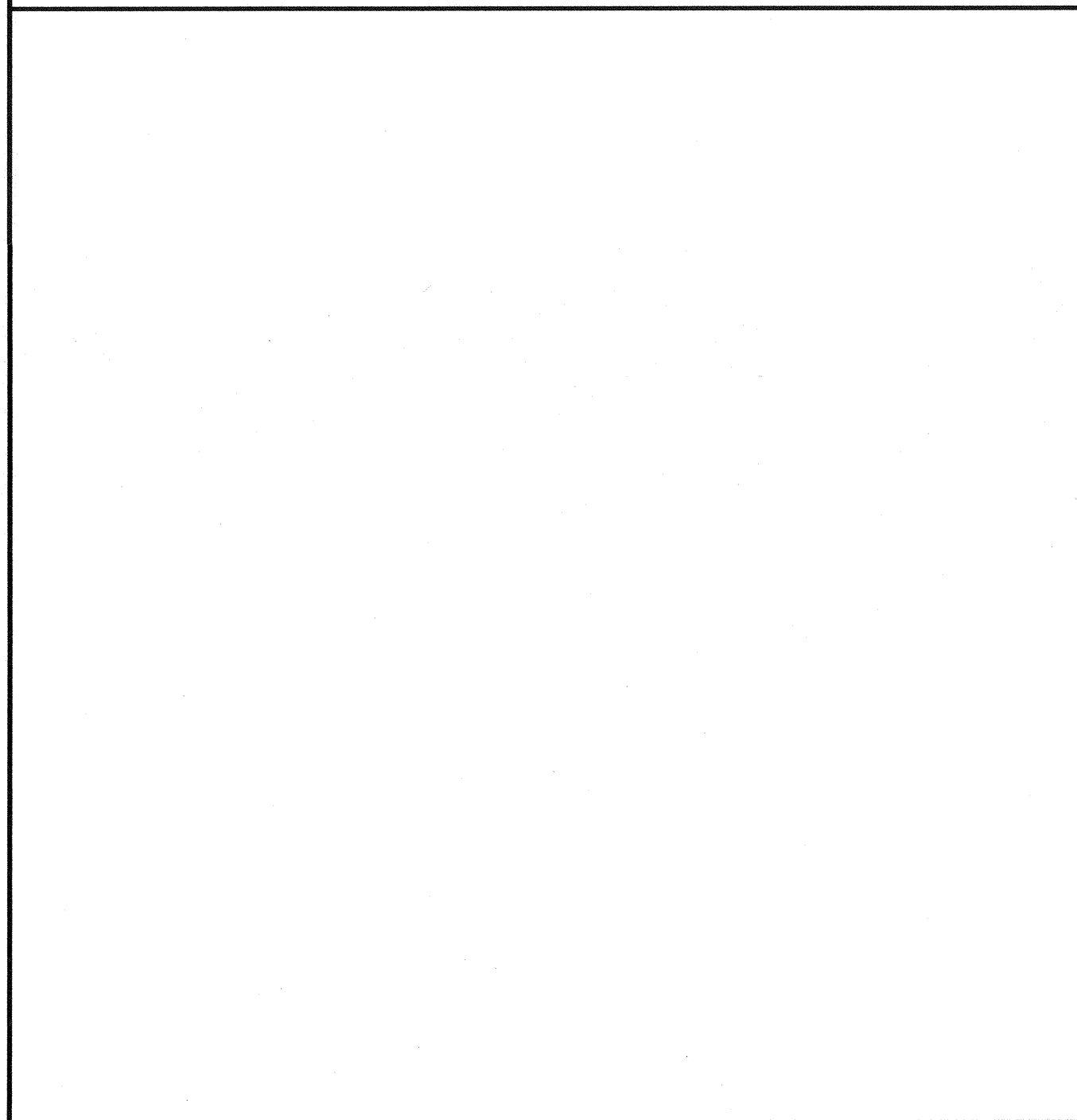
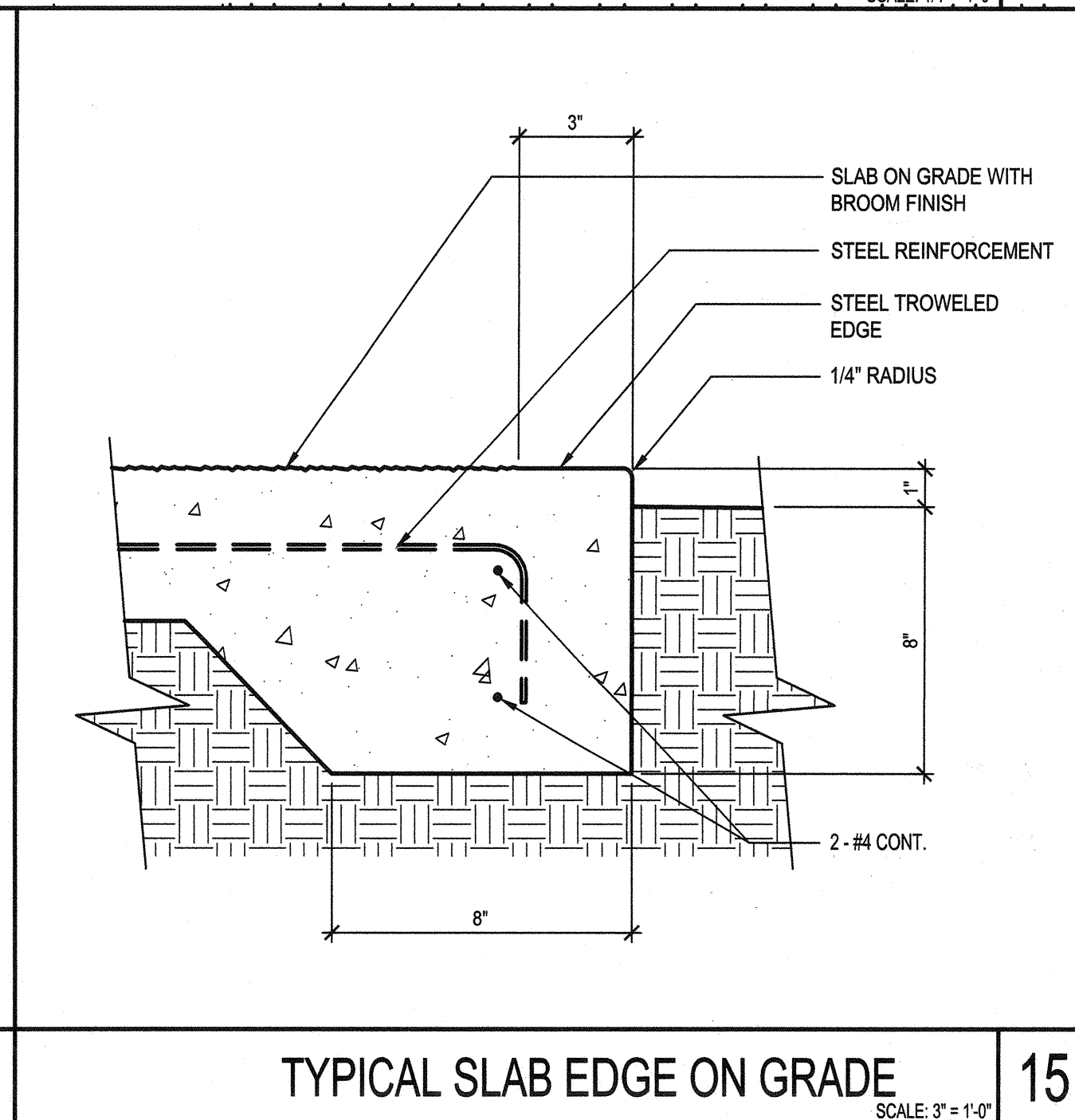
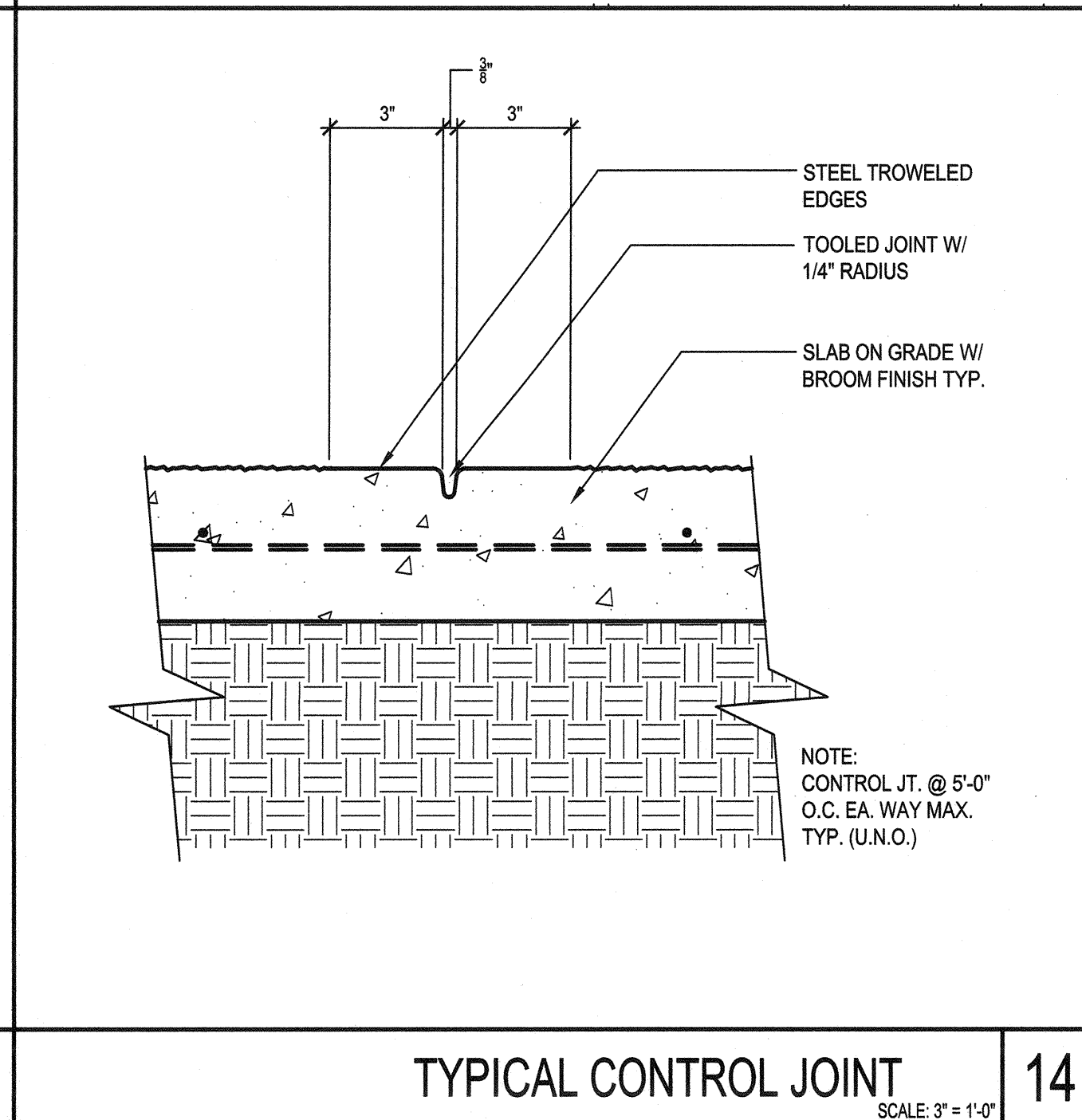
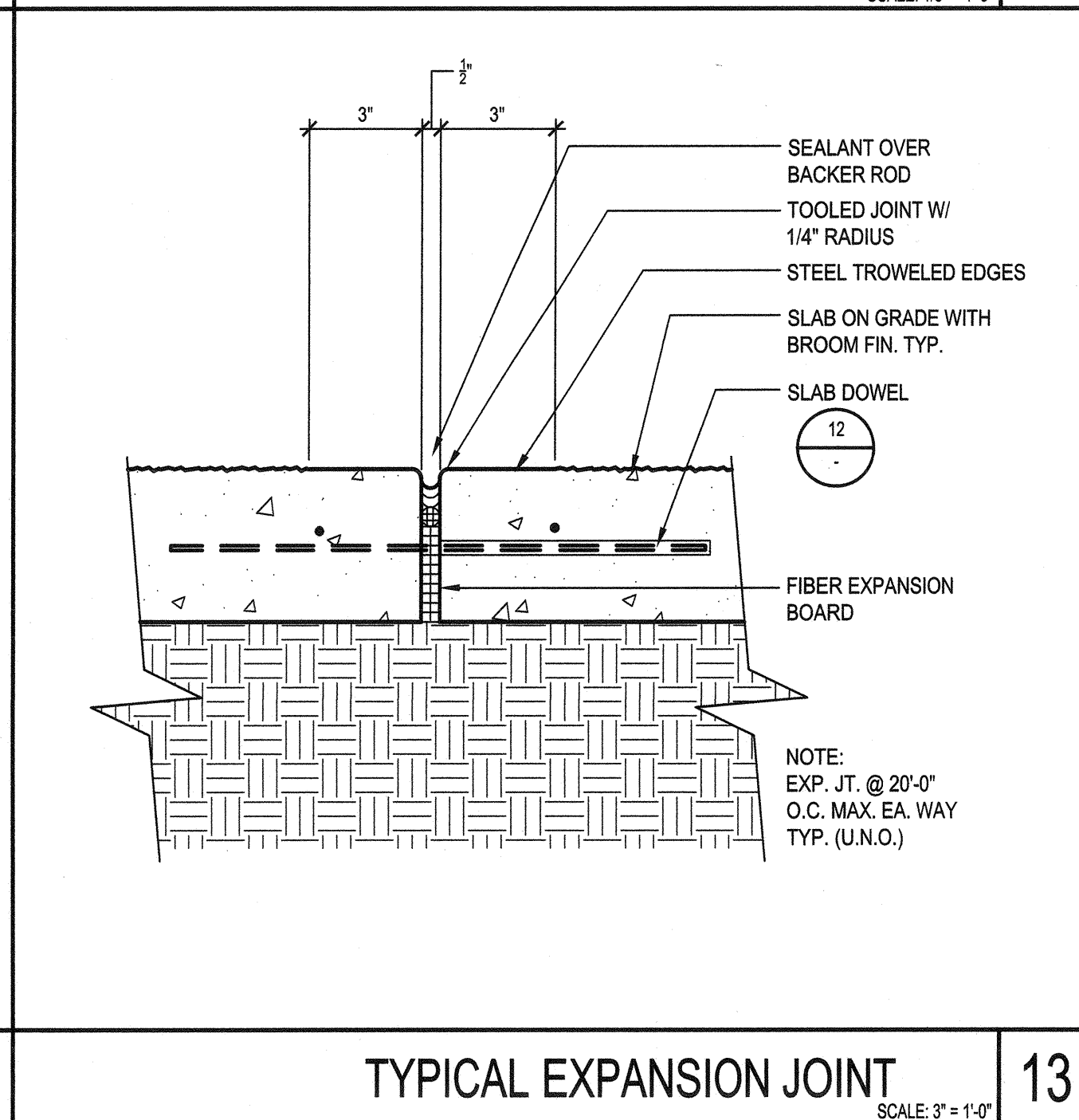
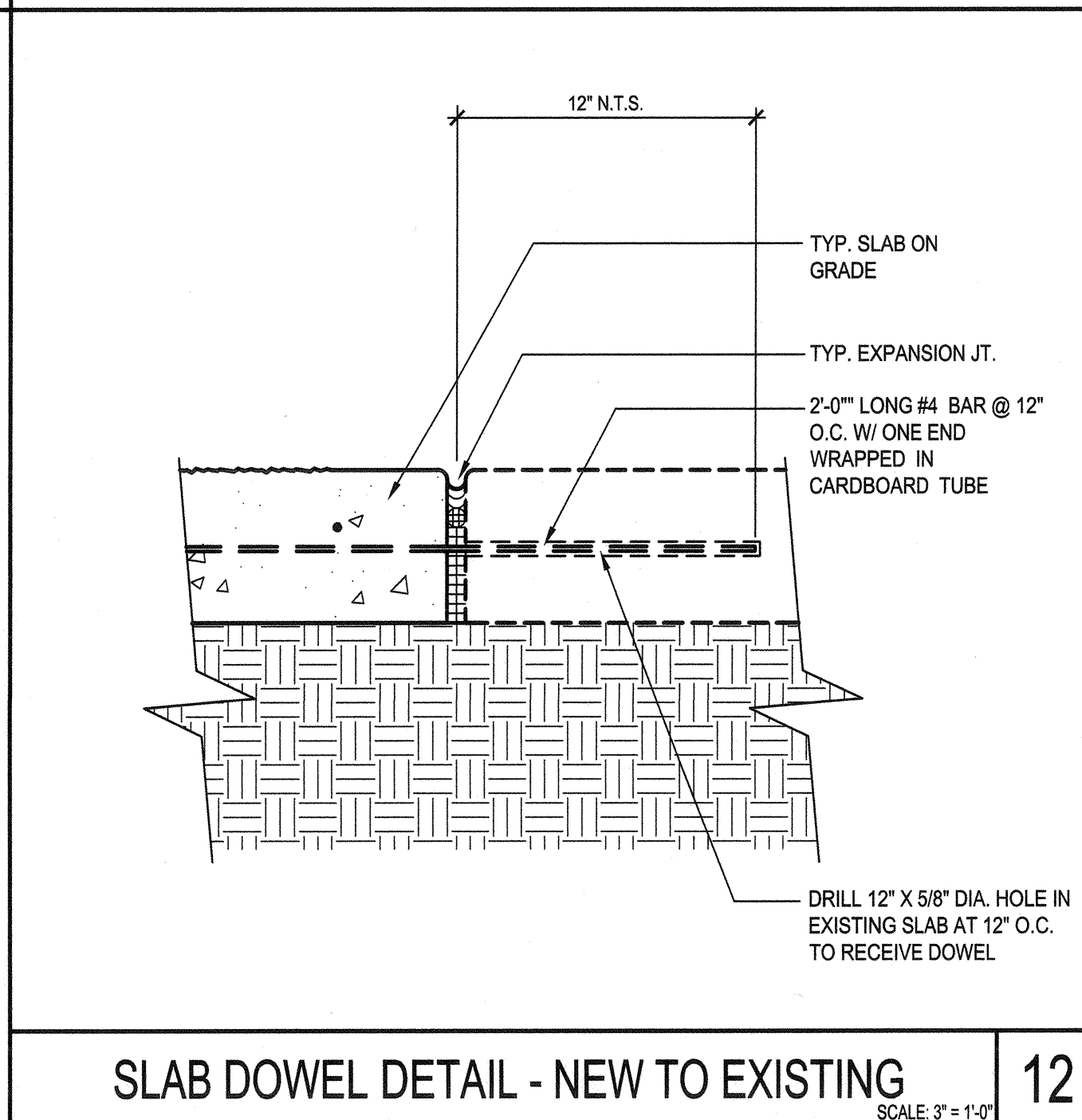
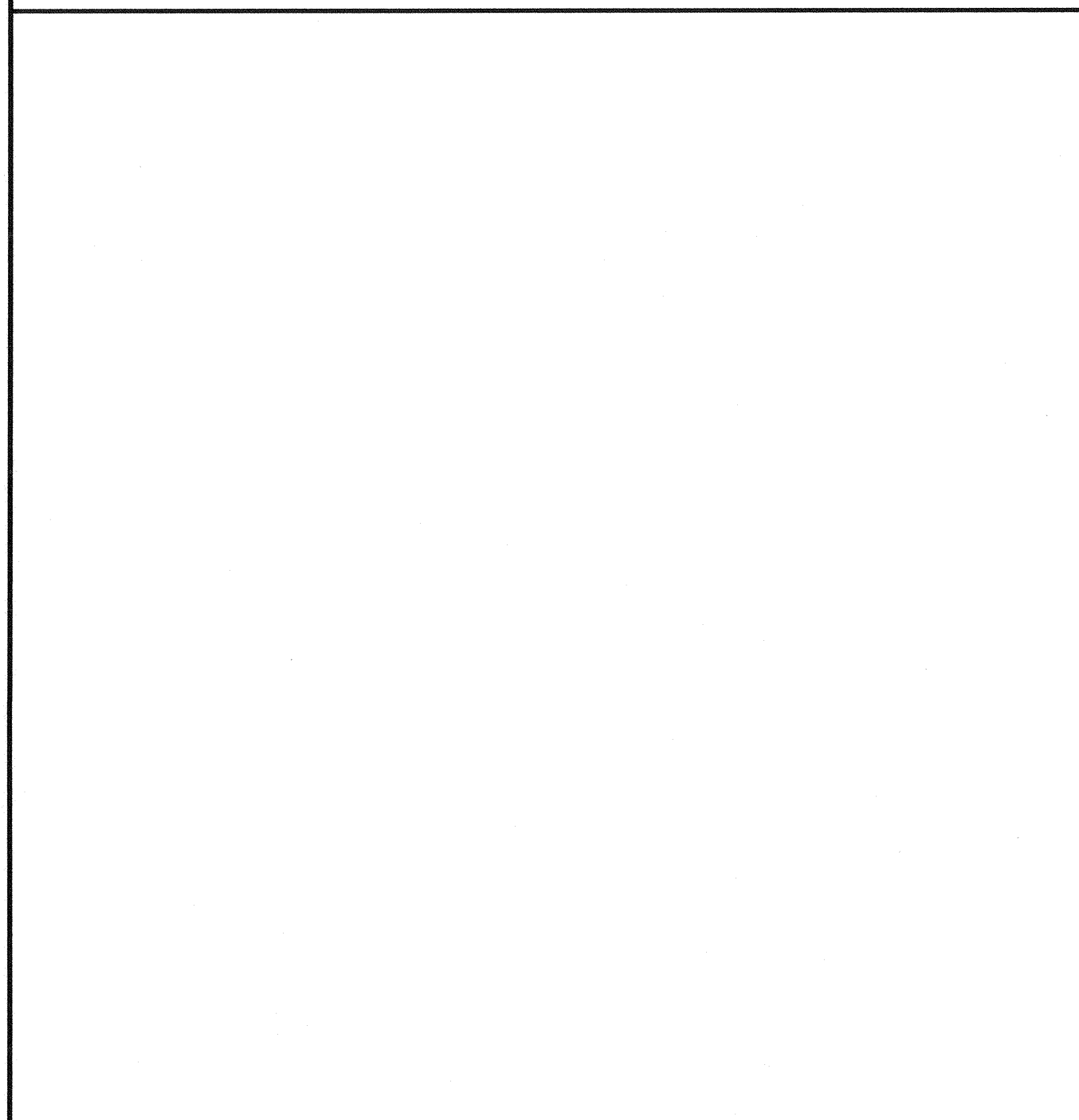
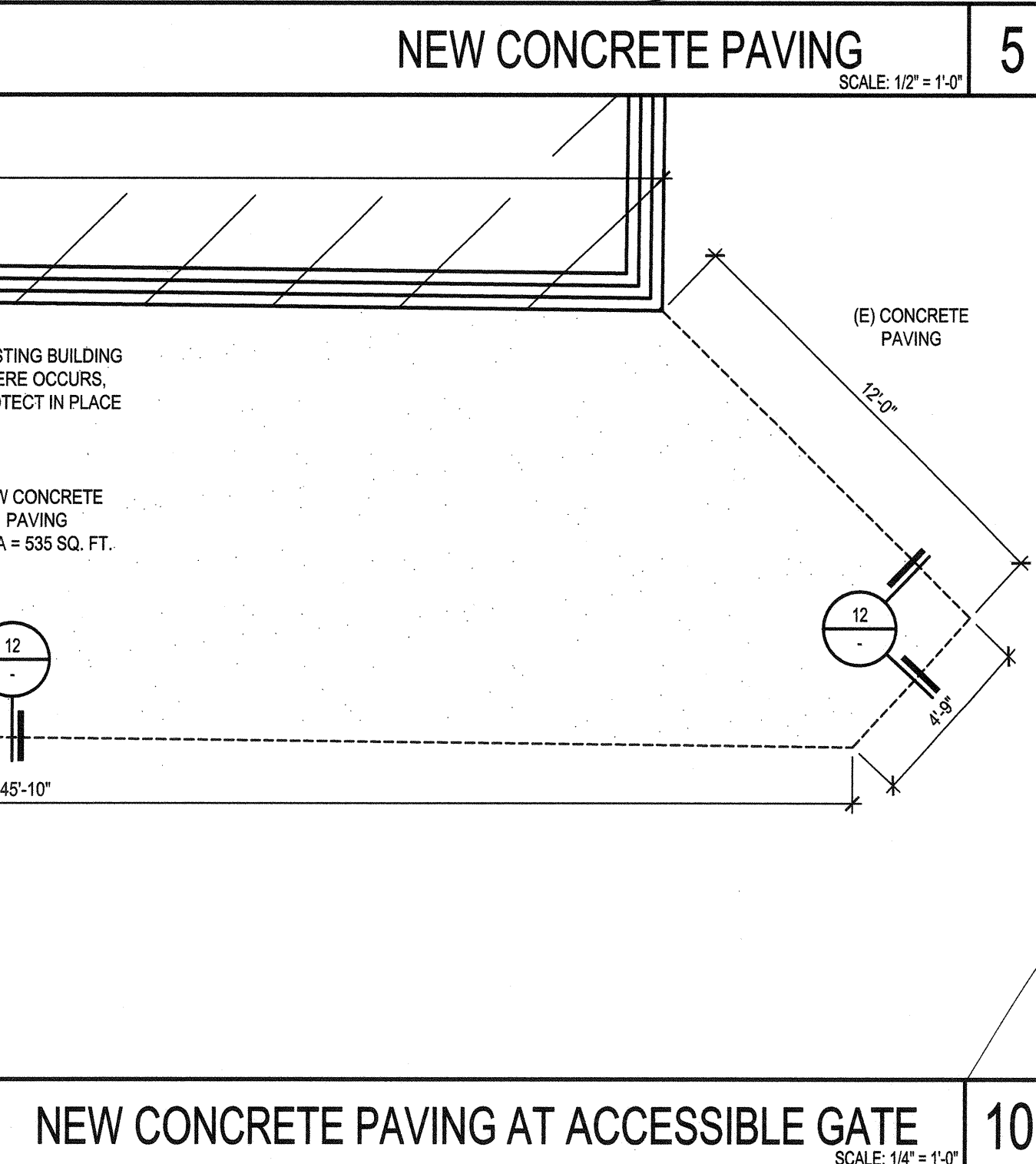
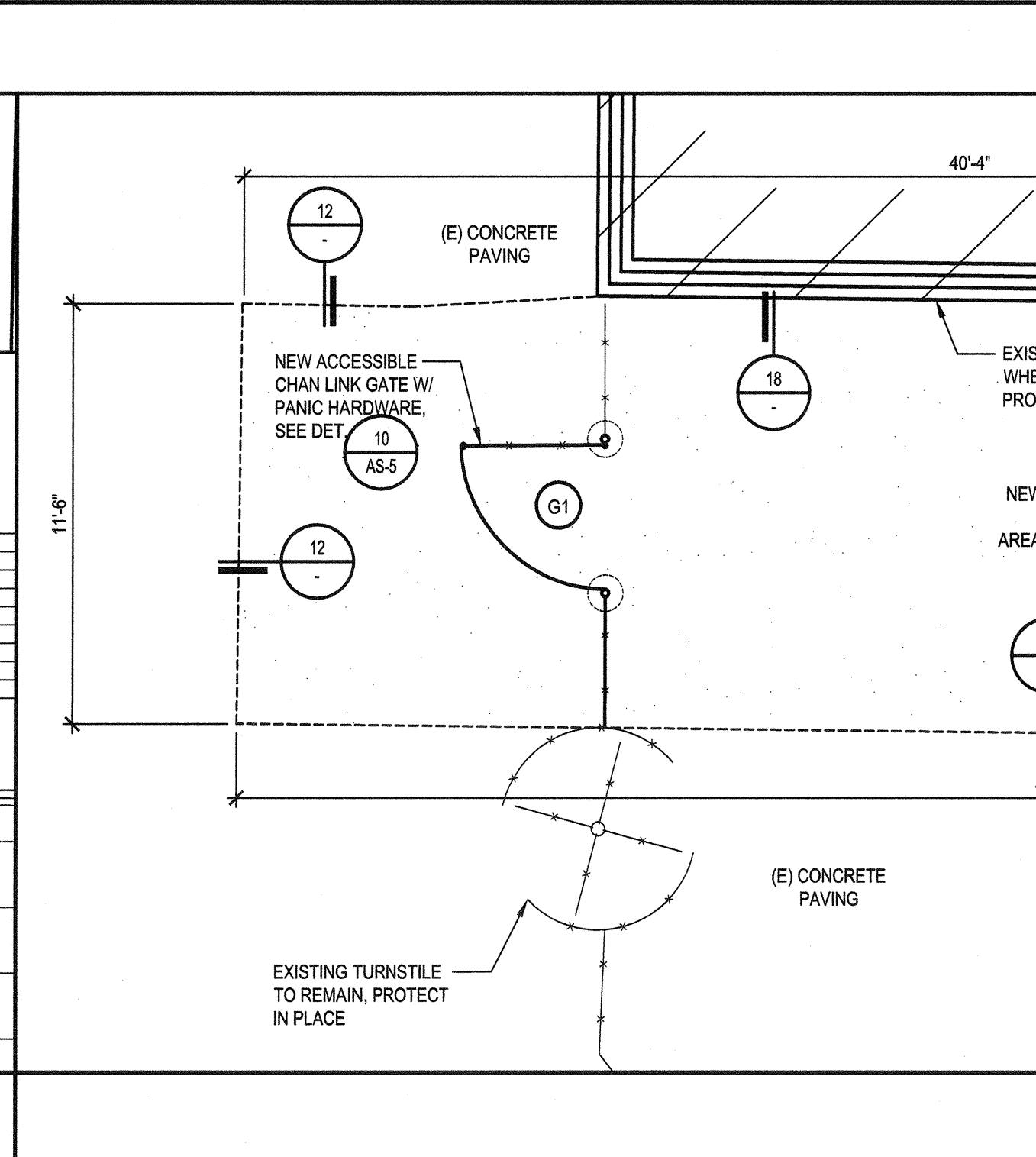
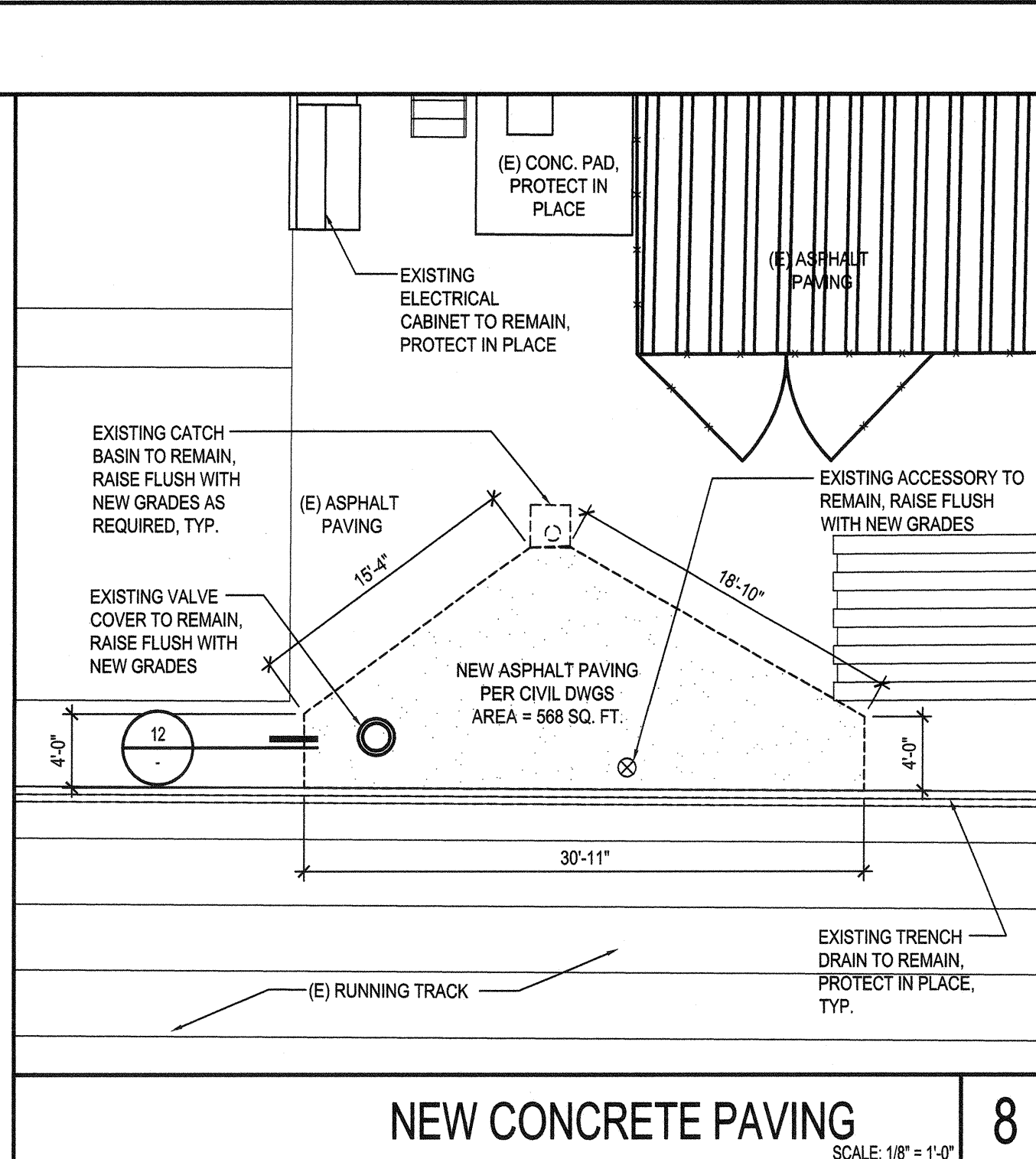
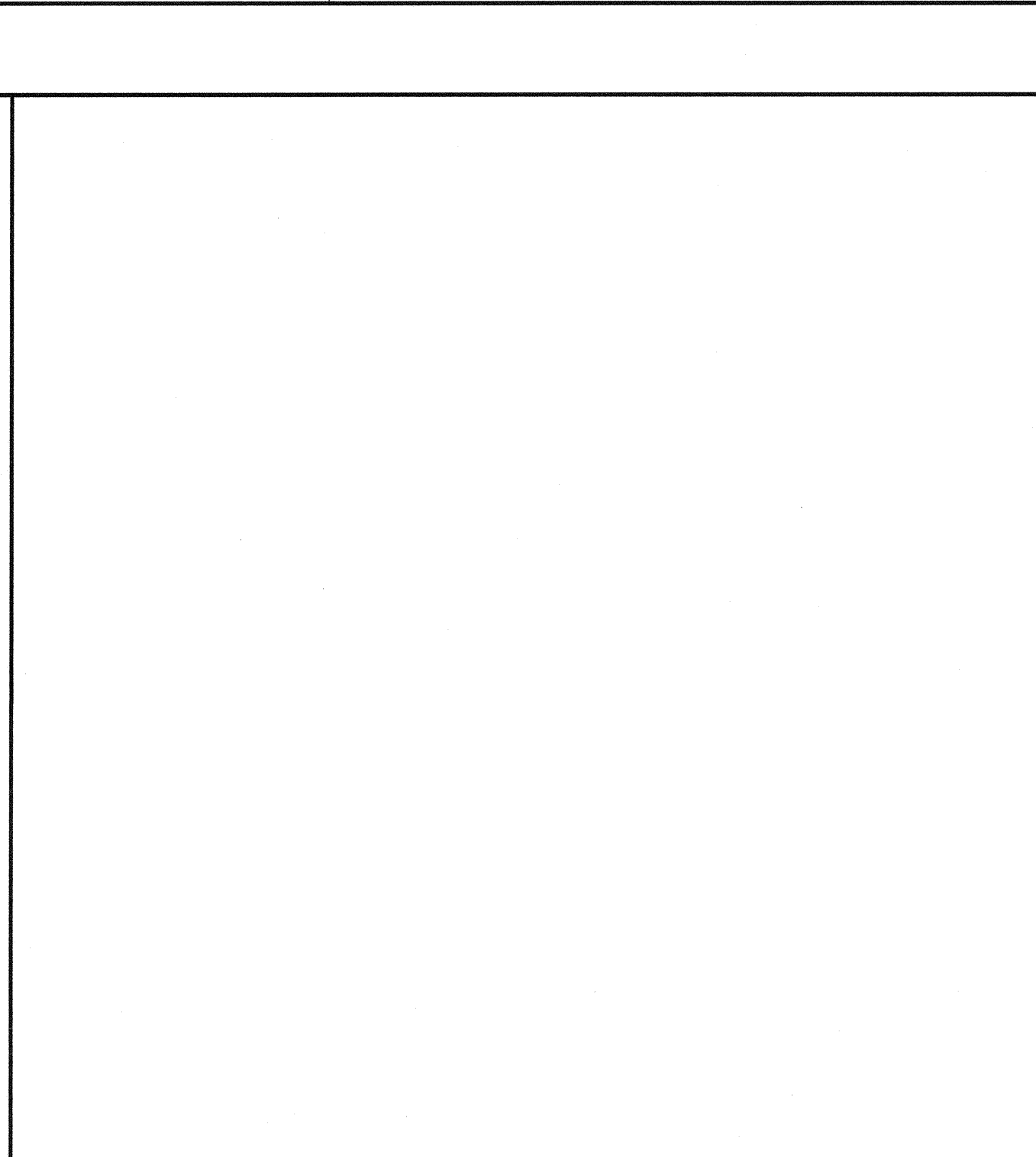
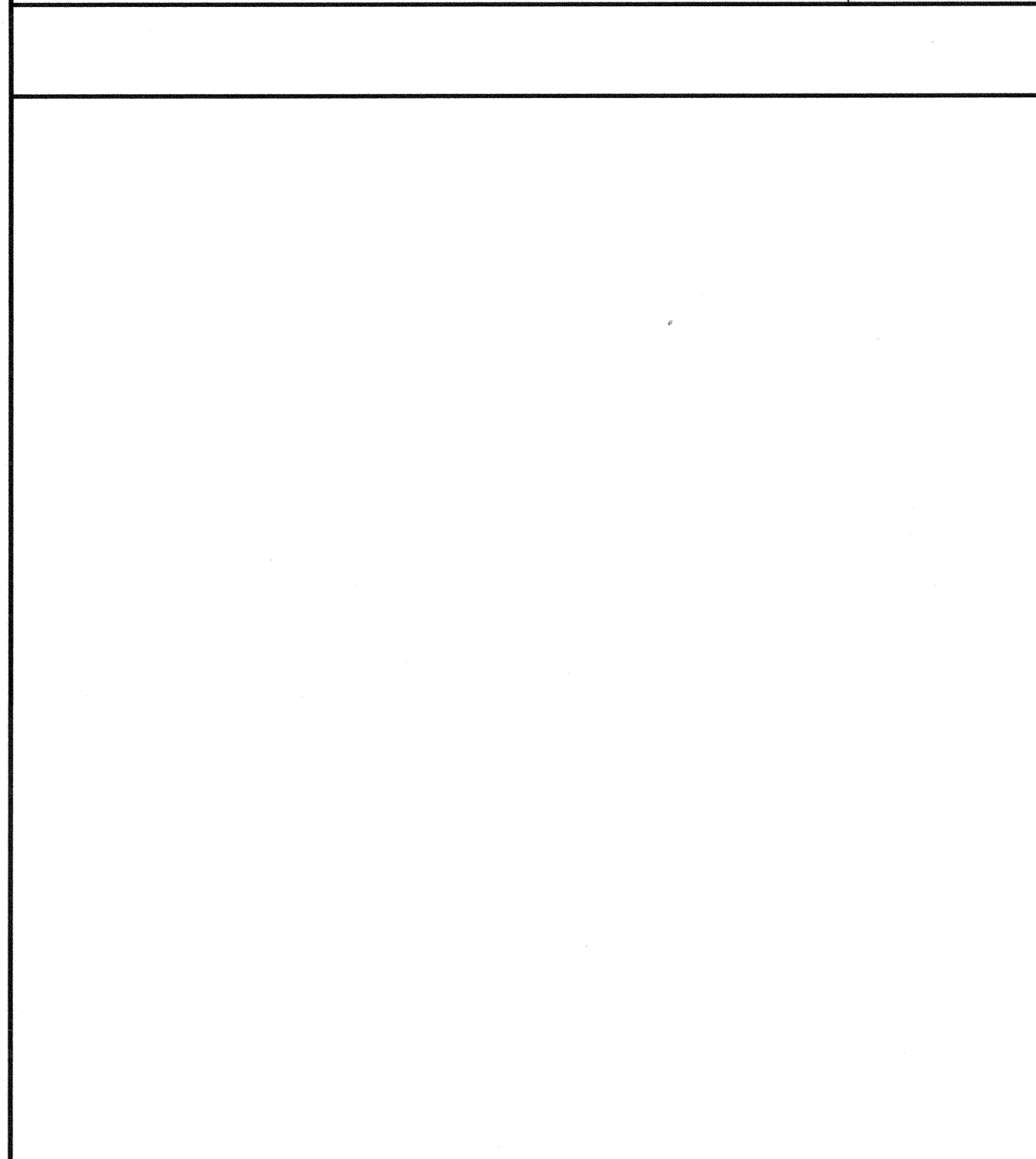
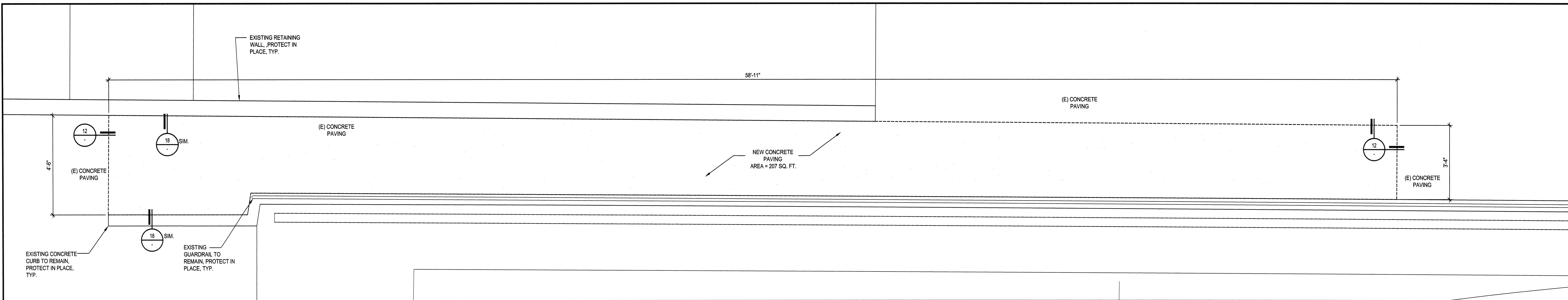
owner

tBP project number : 21915.00
file name : 0AS-3_Enlarged Site Plan
drawn by: EL checked by: CL
date: FEBRUARY 05, 2019
Rev. date: description:

drawing title:
ENLARGED SITE PLAN

drawing no.:
AS-3
drawing of

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



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architect

NEW CONCRETE PAVING 5
SCALE: 1/2" = 1'-0"

NEW CONCRETE PAVING 8
SCALE: 1/8" = 1'-0"

NEW CONCRETE PAVING AT ACCESSIBLE GATE 10
SCALE: 1/4" = 1'-0"

consultant

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AC 03-11122
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IBP project number : 21015.00

file name:

drawn by: checked by:

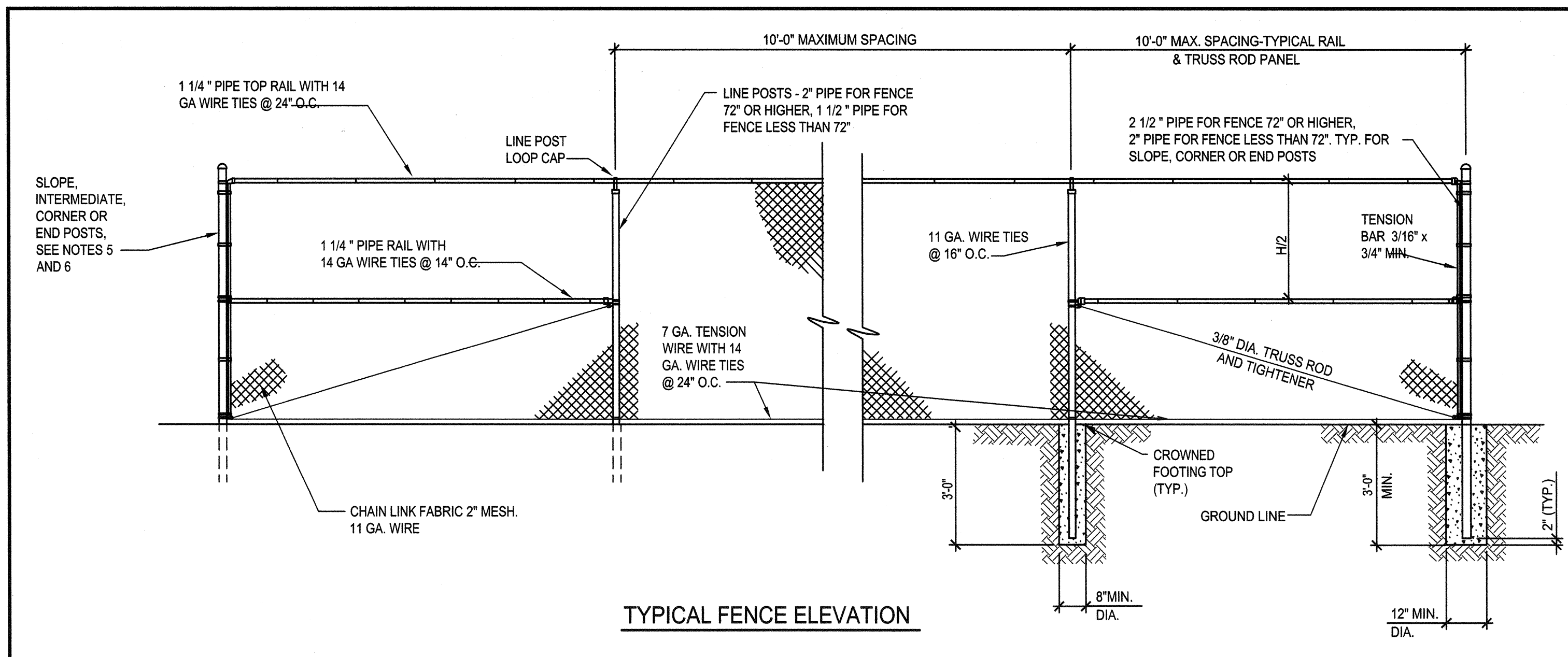
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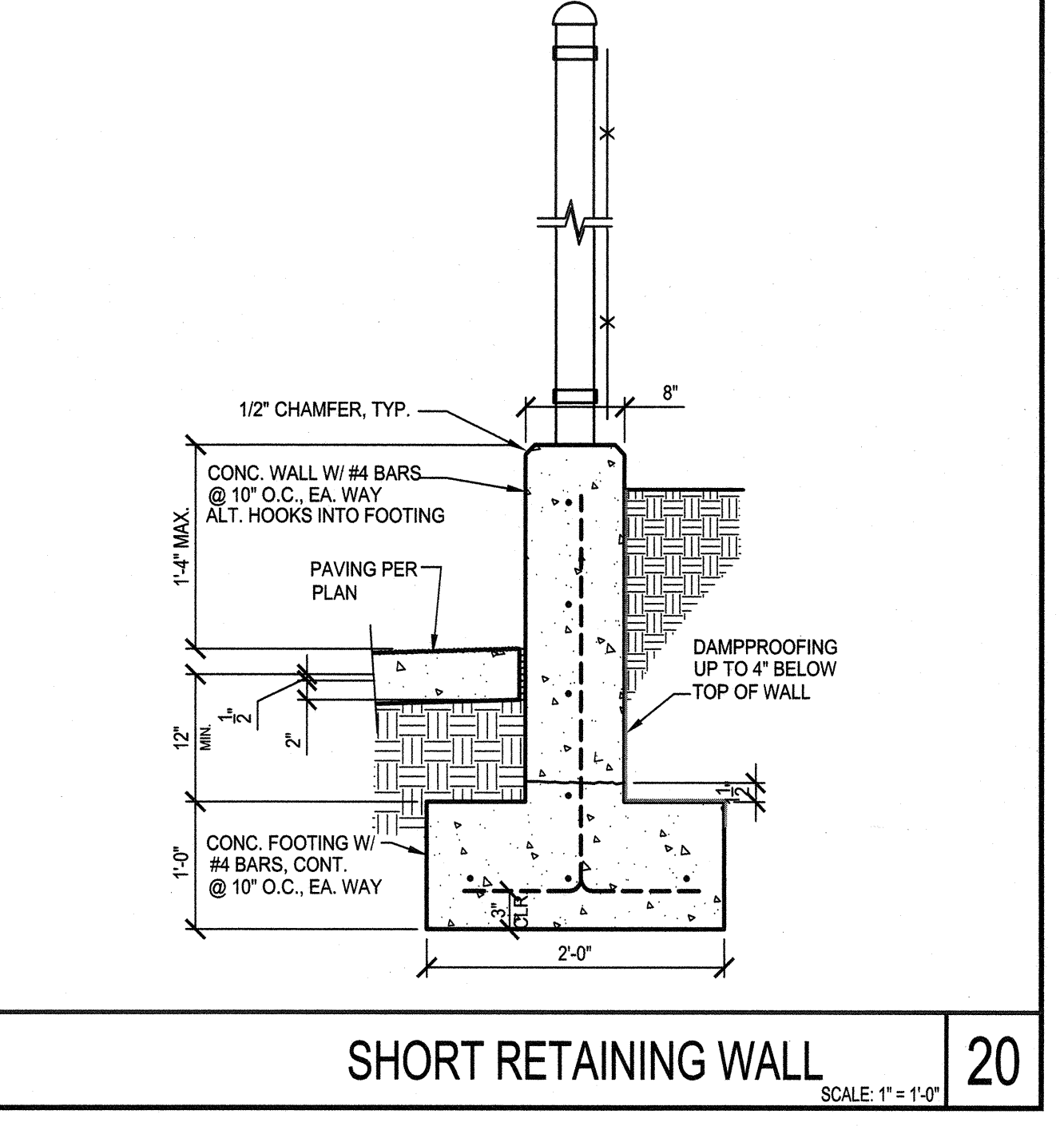
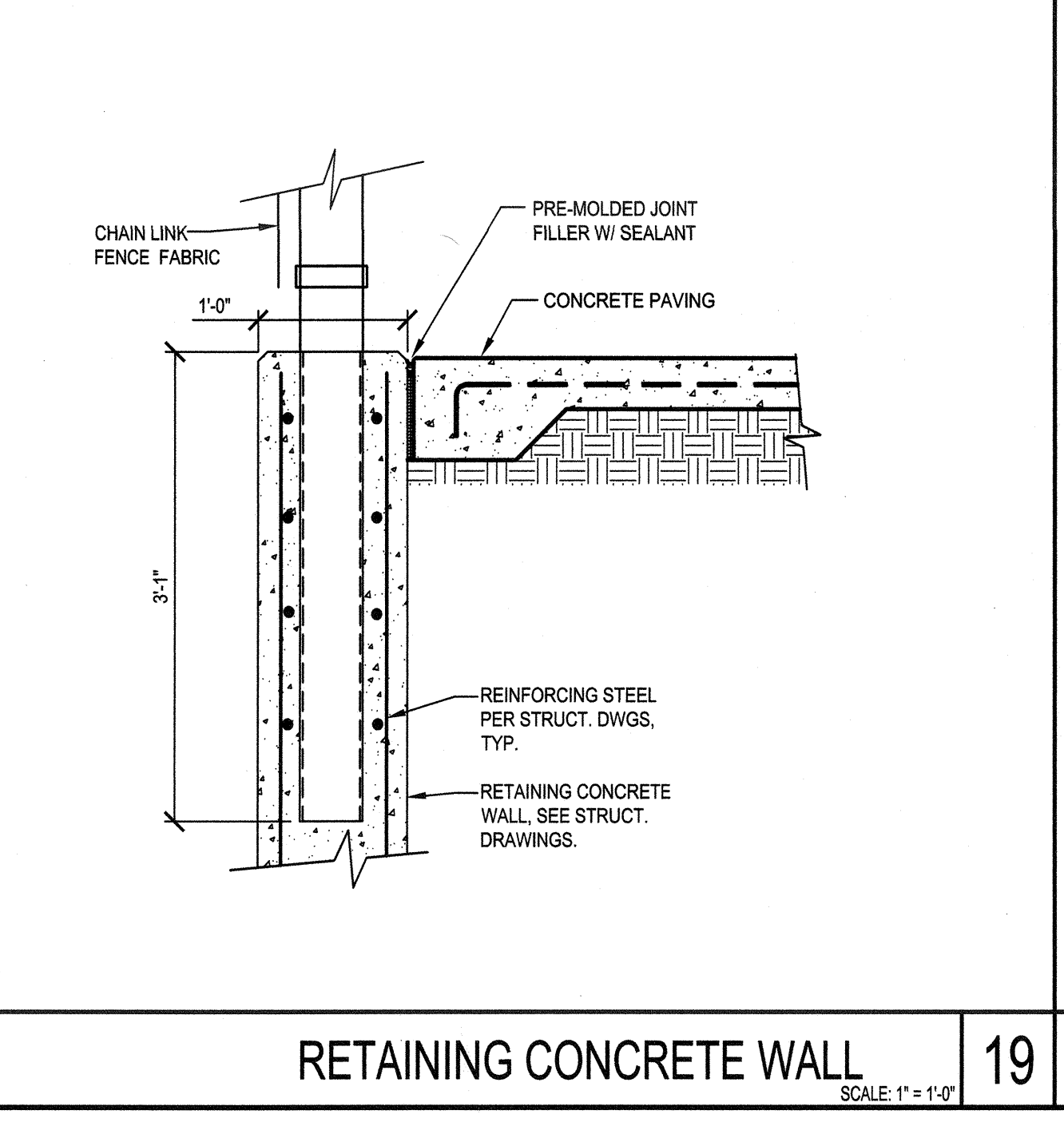
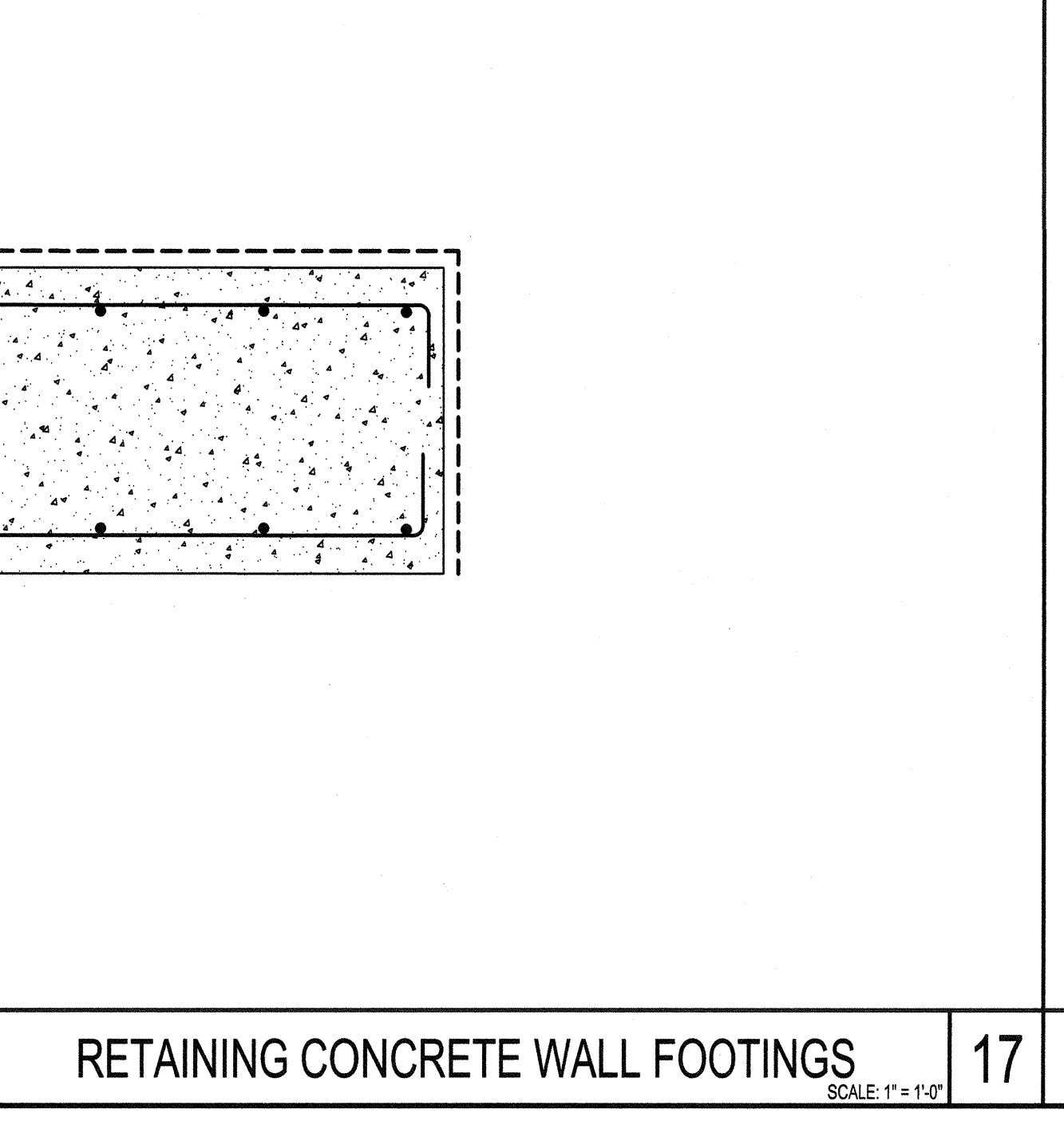
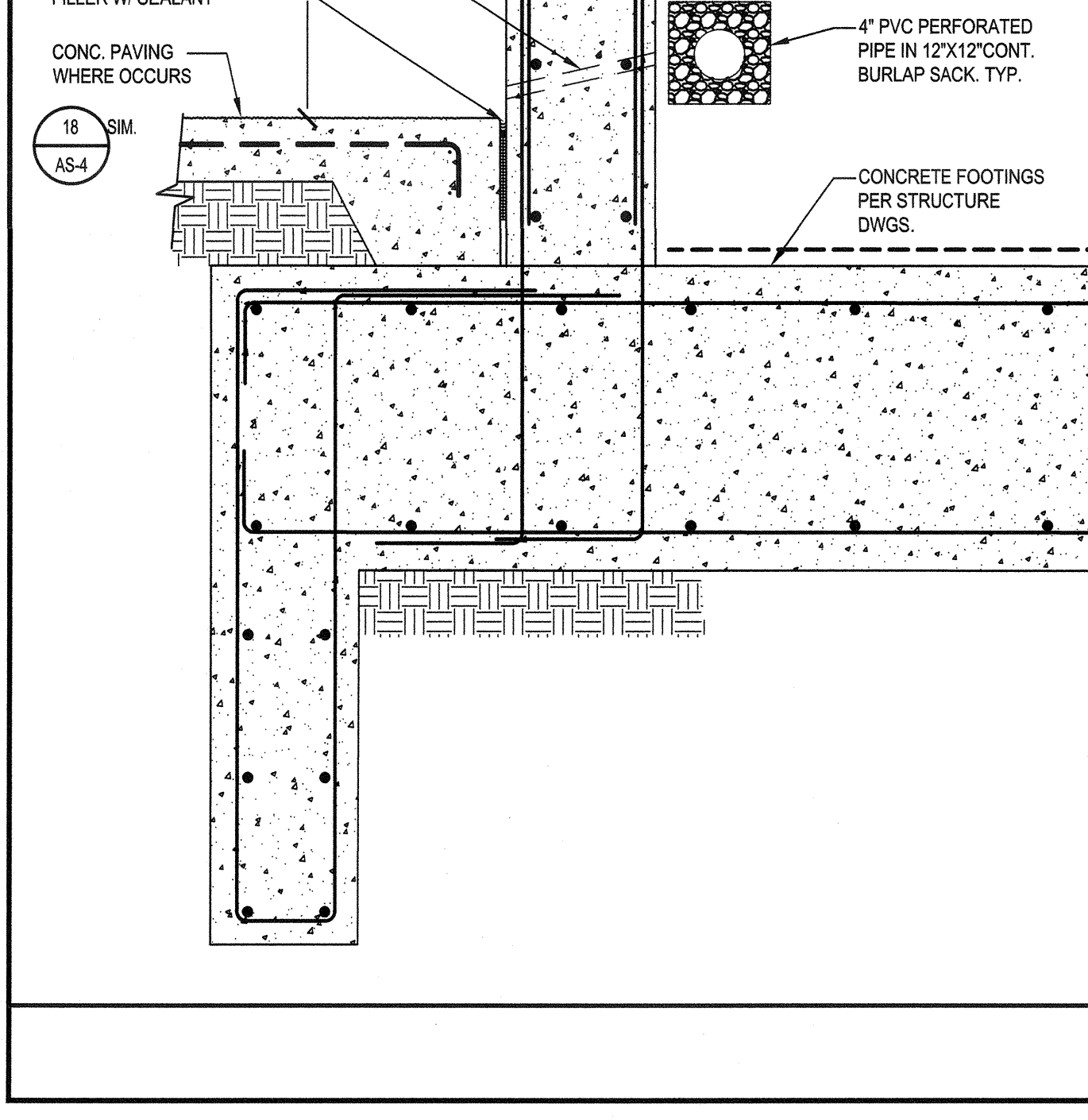
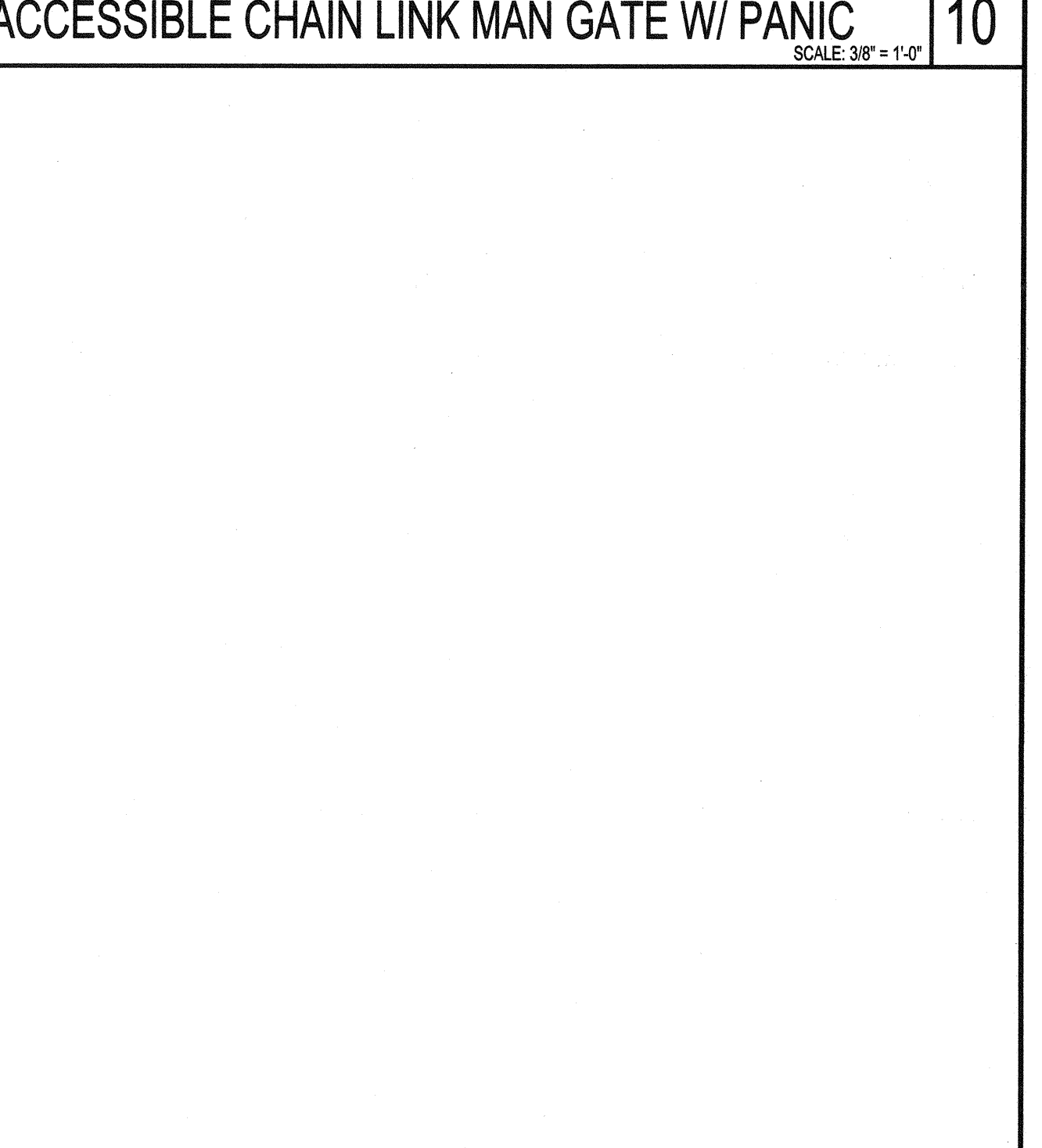
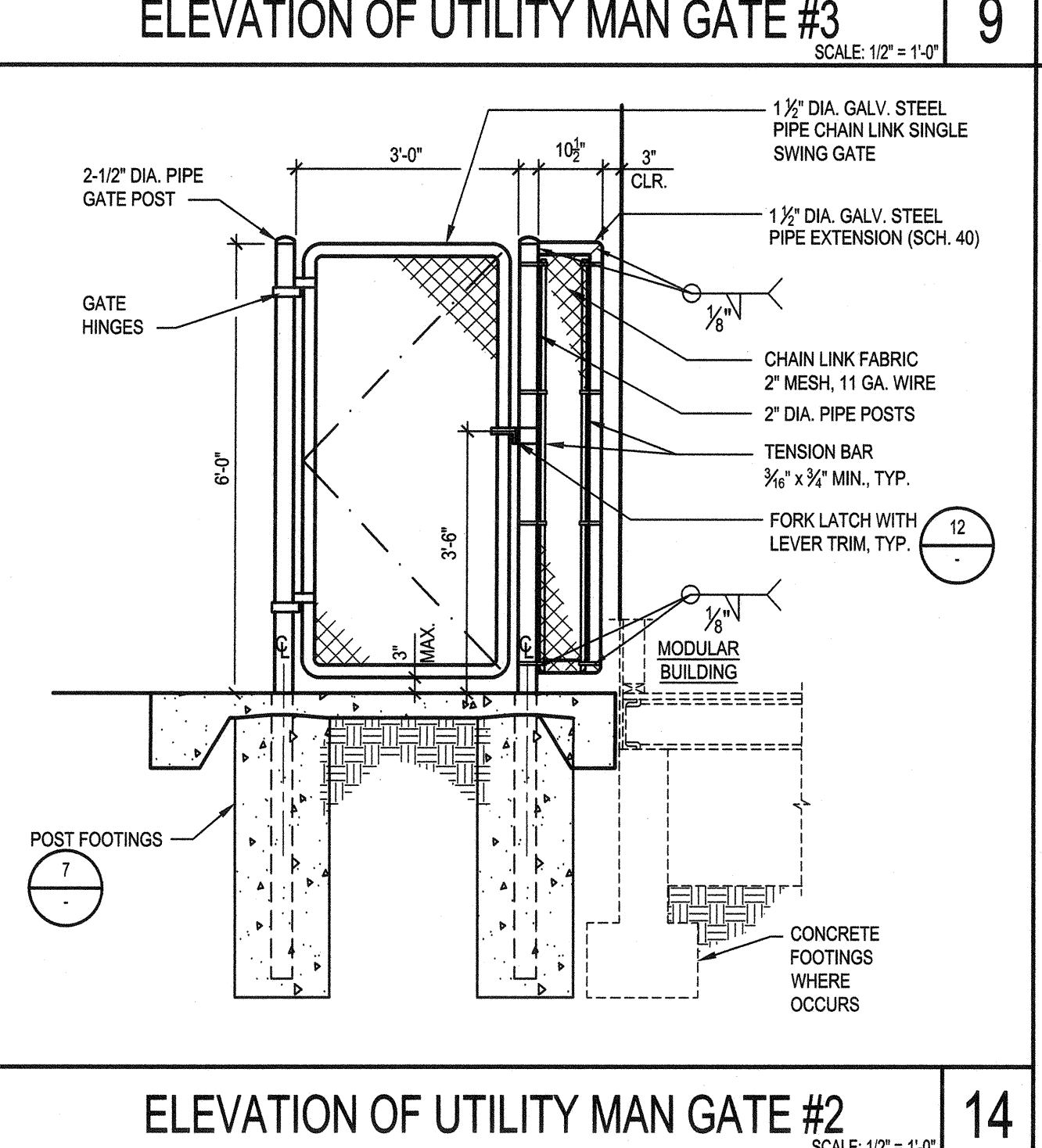
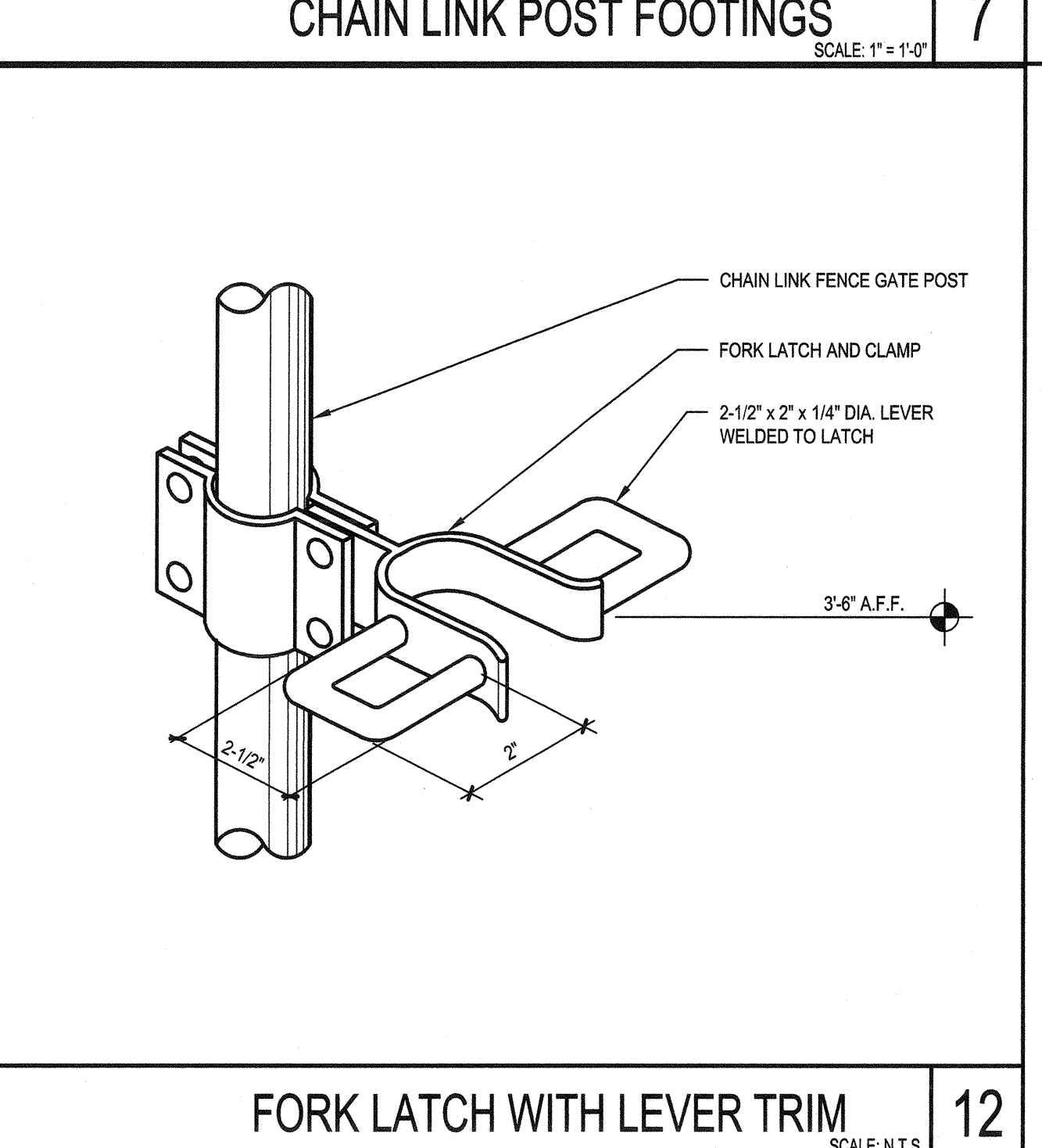
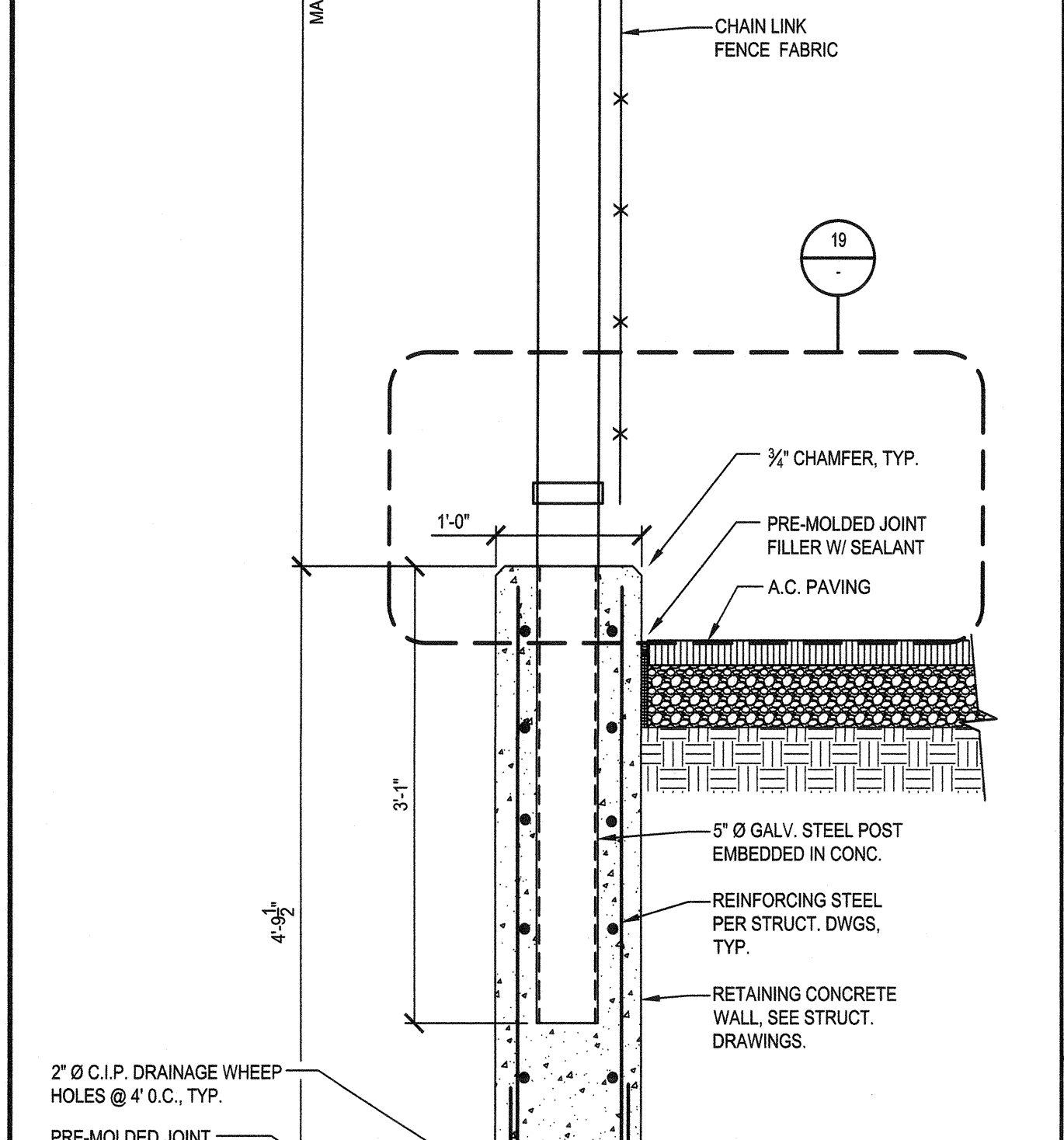
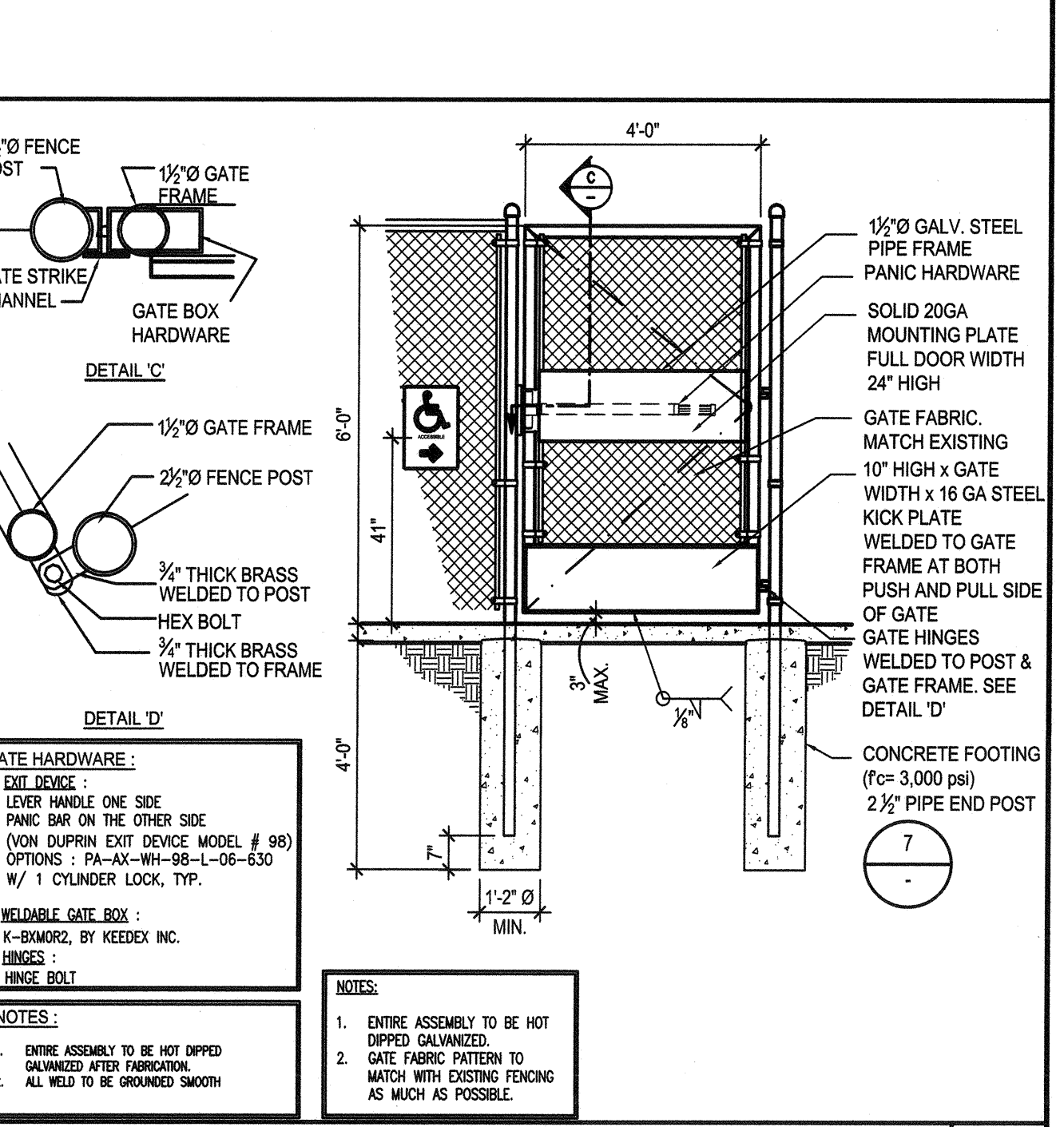
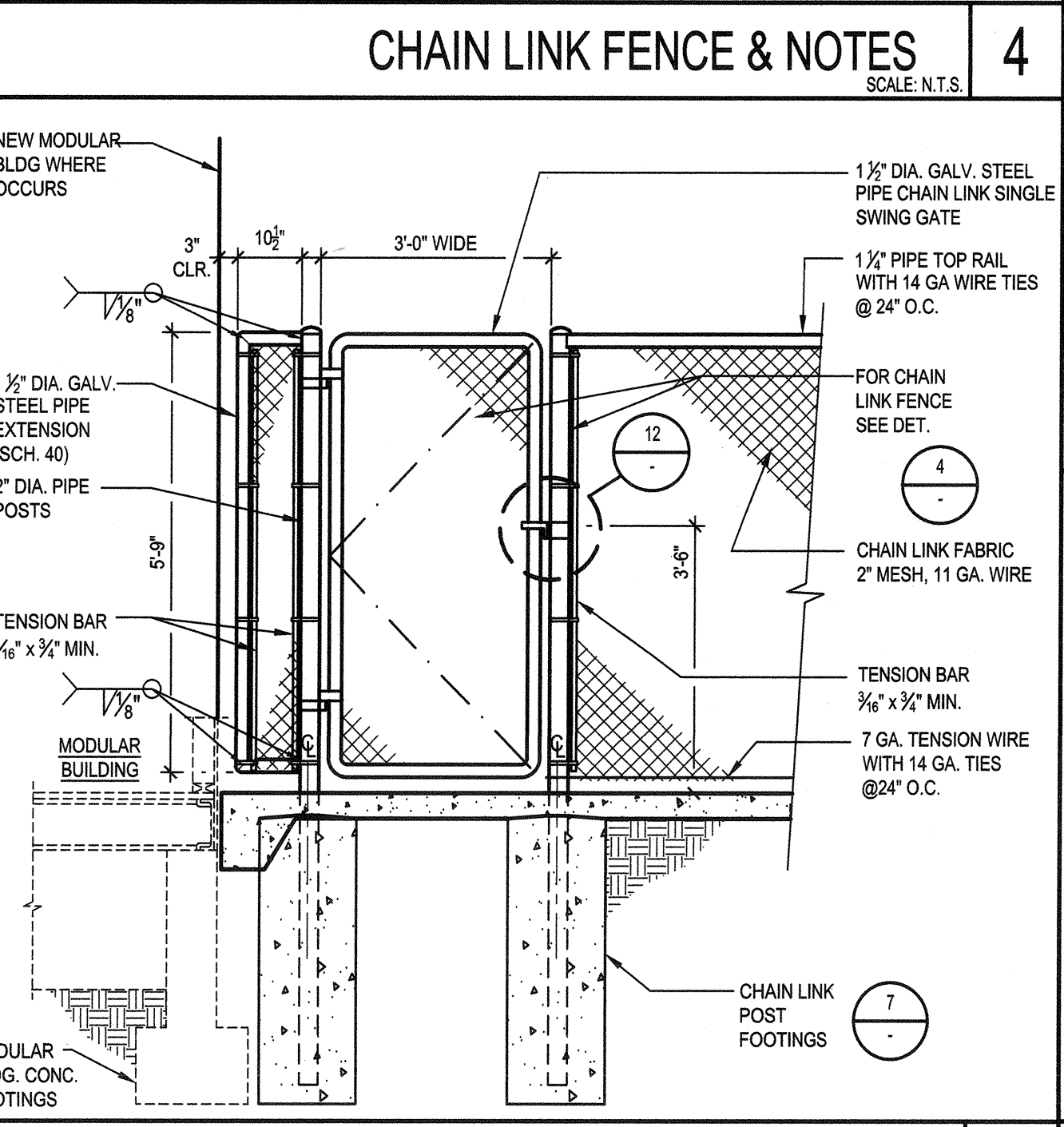
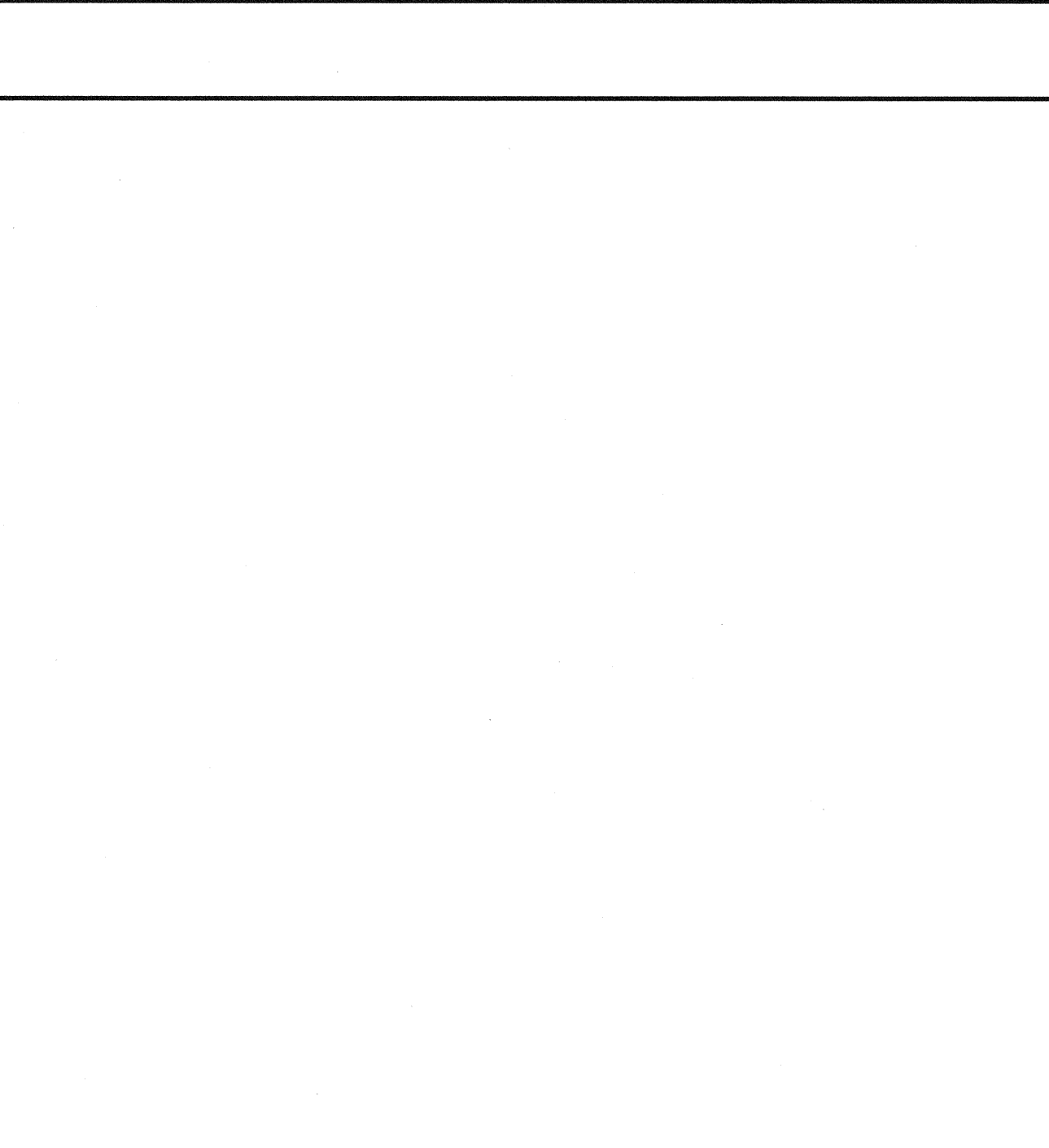
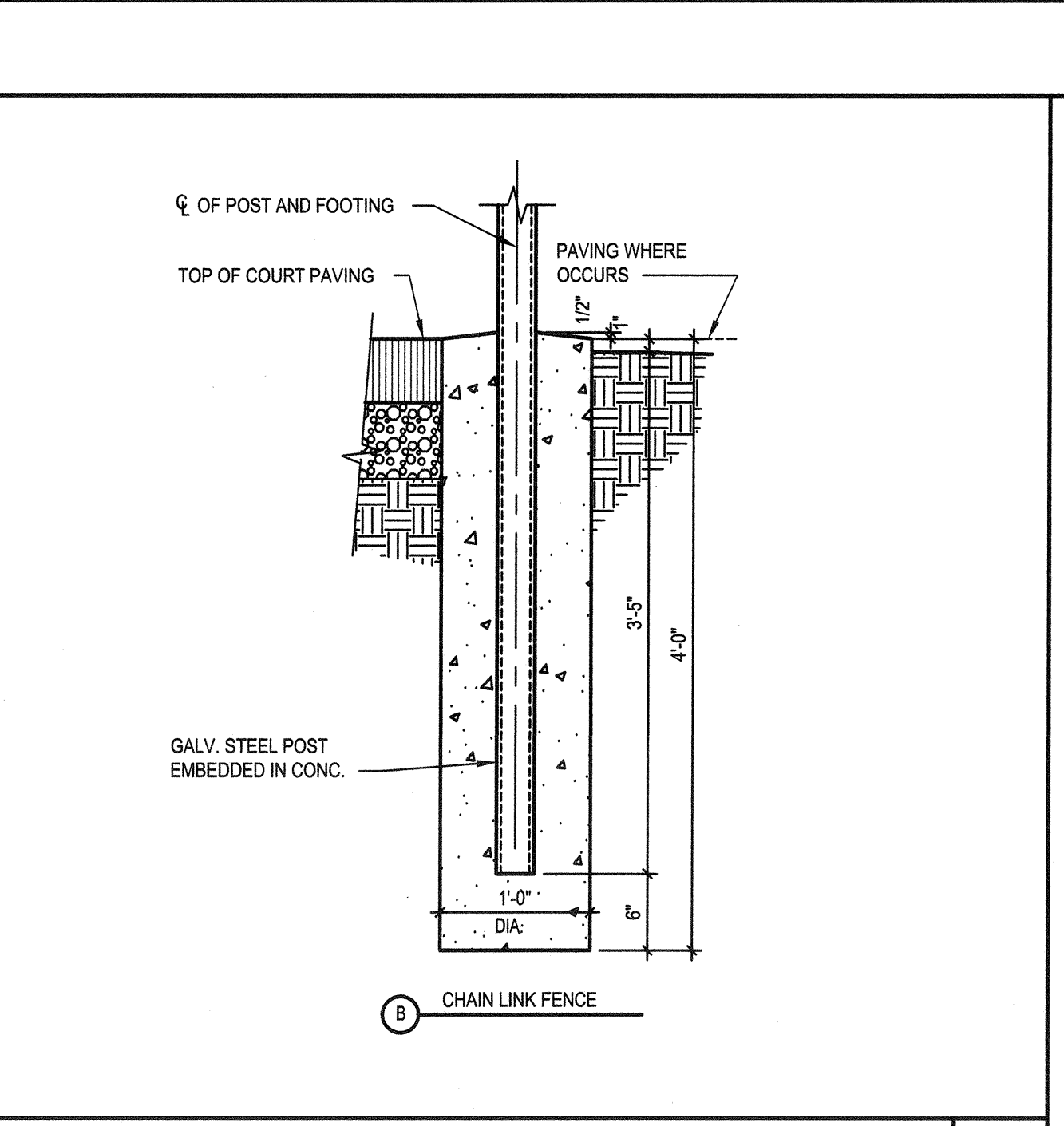
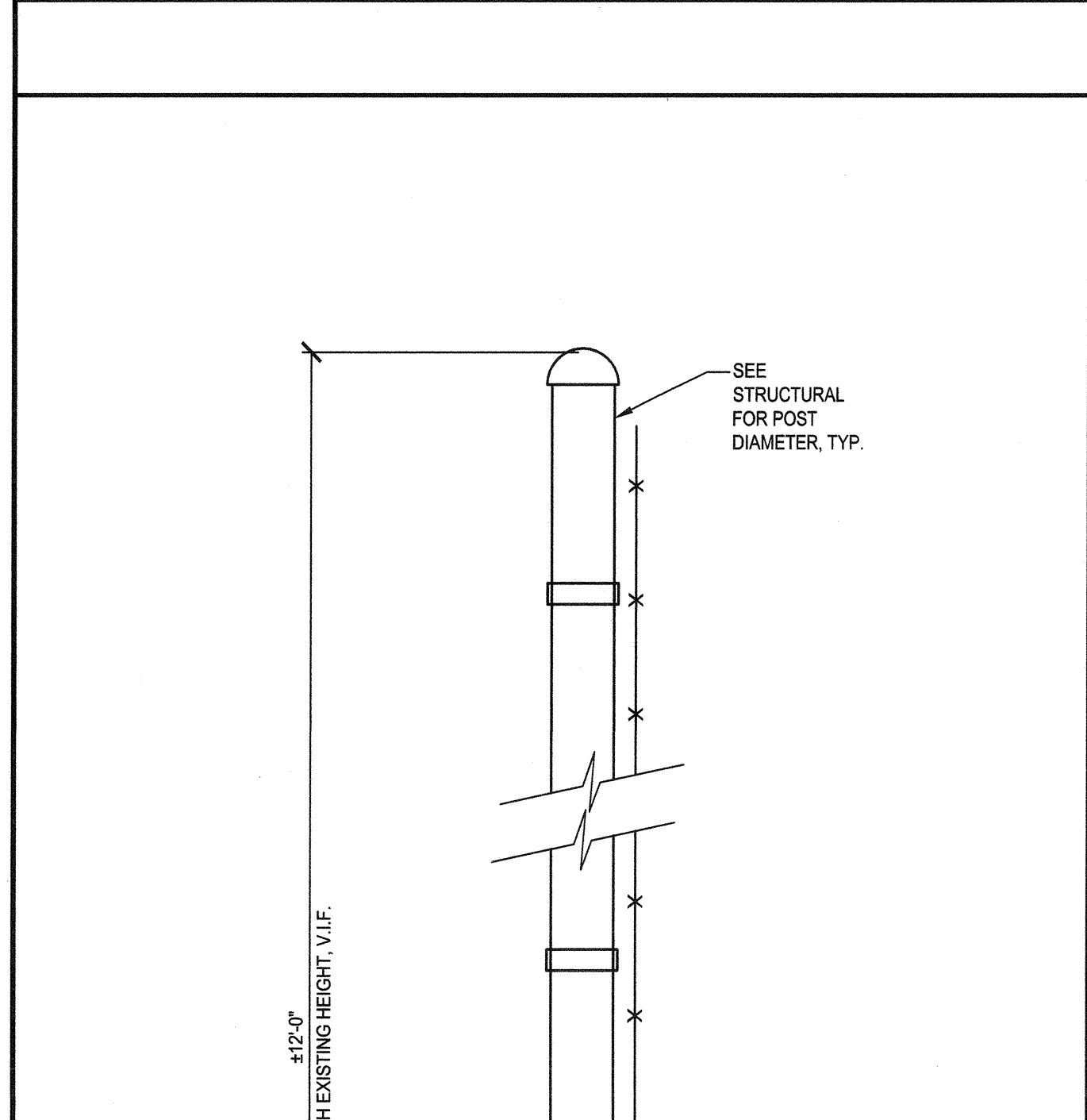
GATE WIDTH		FOOTING MIN. DEPTH, D	
SINGLE GATE	DOUBLE GATE	H TO 6'	H 6' TO 8'
TO 6'	TO 16'	3'-0"	3'-0"

FENCE HEIGHT (H)	GATE WIDTH	NOMINAL SIZE OF PIPE INCHES	ACTUAL O.D. INCHES	WEIGHT PER FOOT POUNDS
6 FEET TO 8 FEET INCLUSIVE	SINGLE GATES 6 FEET OR LESS AND DOUBLE GATES 12 FEET OR LESS	2 1/2	2.875	5.79
6 FEET TO 8 FEET INCLUSIVE	SINGLE GATES 6 TO 12 FEET AND DOUBLE GATES 12 TO 24 FEET	3 1/2	4.00	9.11
6 FEET TO 8 FEET INCLUSIVE	SINGLE GATES 12 TO 18 FEET AND DOUBLE GATES 24 TO 36 FEET	6	6.625	18.97

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

DOOR / GATE NO.	DIMENSION		REMARKS	DETAIL
	WIDTH	HEIGHT		
G1	4'-0"	6'-0"		10
G2	3'-0"	6'-0"		14
G3	3'-0"	6'-0"		9

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 DIVISION OF THE STATE ARCHITECT
 DEPARTMENT OF GENERAL SERVICES
 DATE: FEB 05 2019

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**CRESCENTA VALLEY HIGH SCHOOL
 SPORTS MEDICINE MODULAR BLDG.**

GLENDALE UNIFIED SCHOOL DISTRICT
 2900 COMMUNITY AVENUE
 LA CRESCENTA, CALIFORNIA 91214

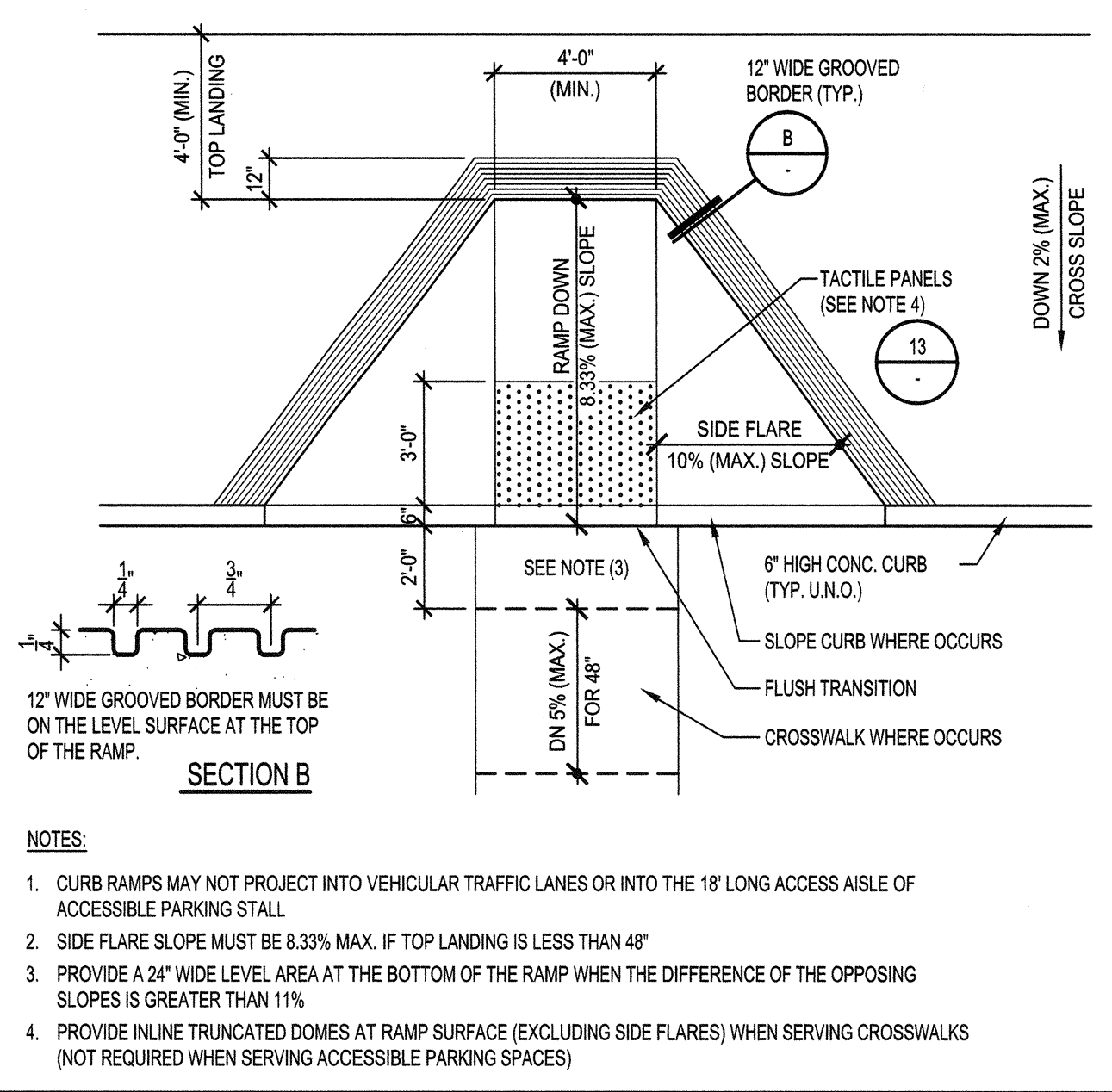
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 drawn by: checked by:
 date: FEBRUARY 05, 2019
 Rev: date: description:

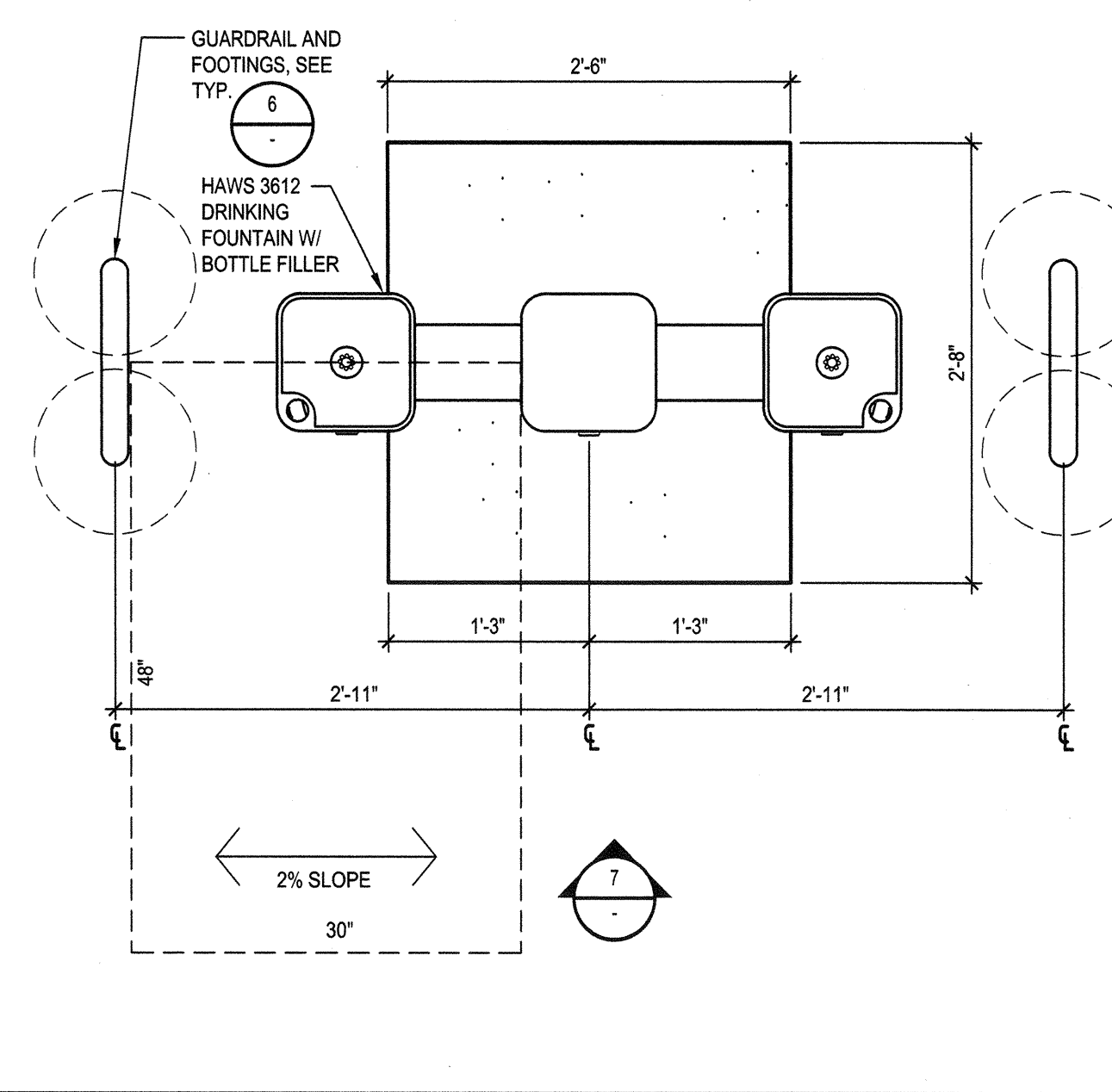
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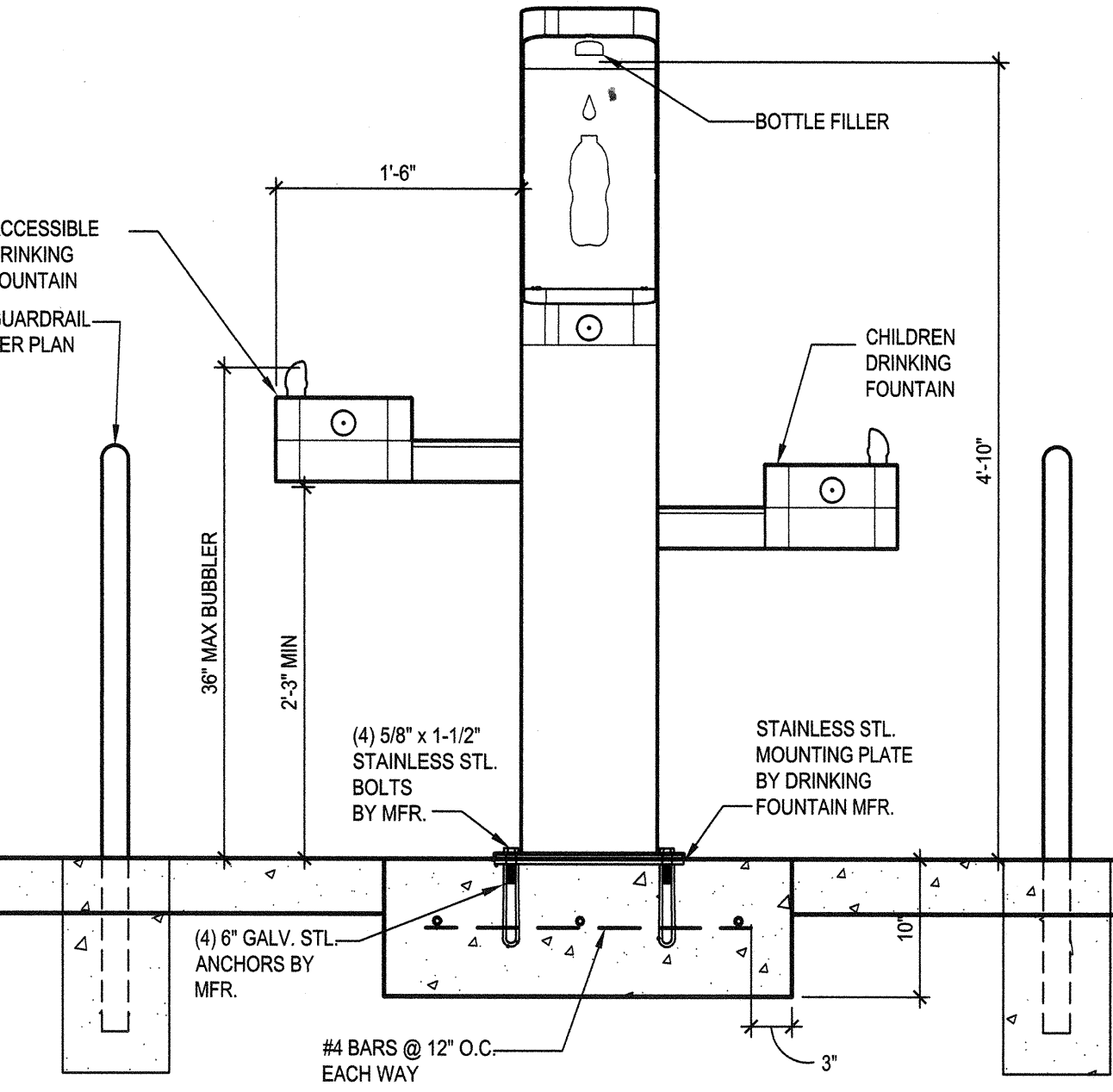
drawing no.:
AS-5
 drawing of



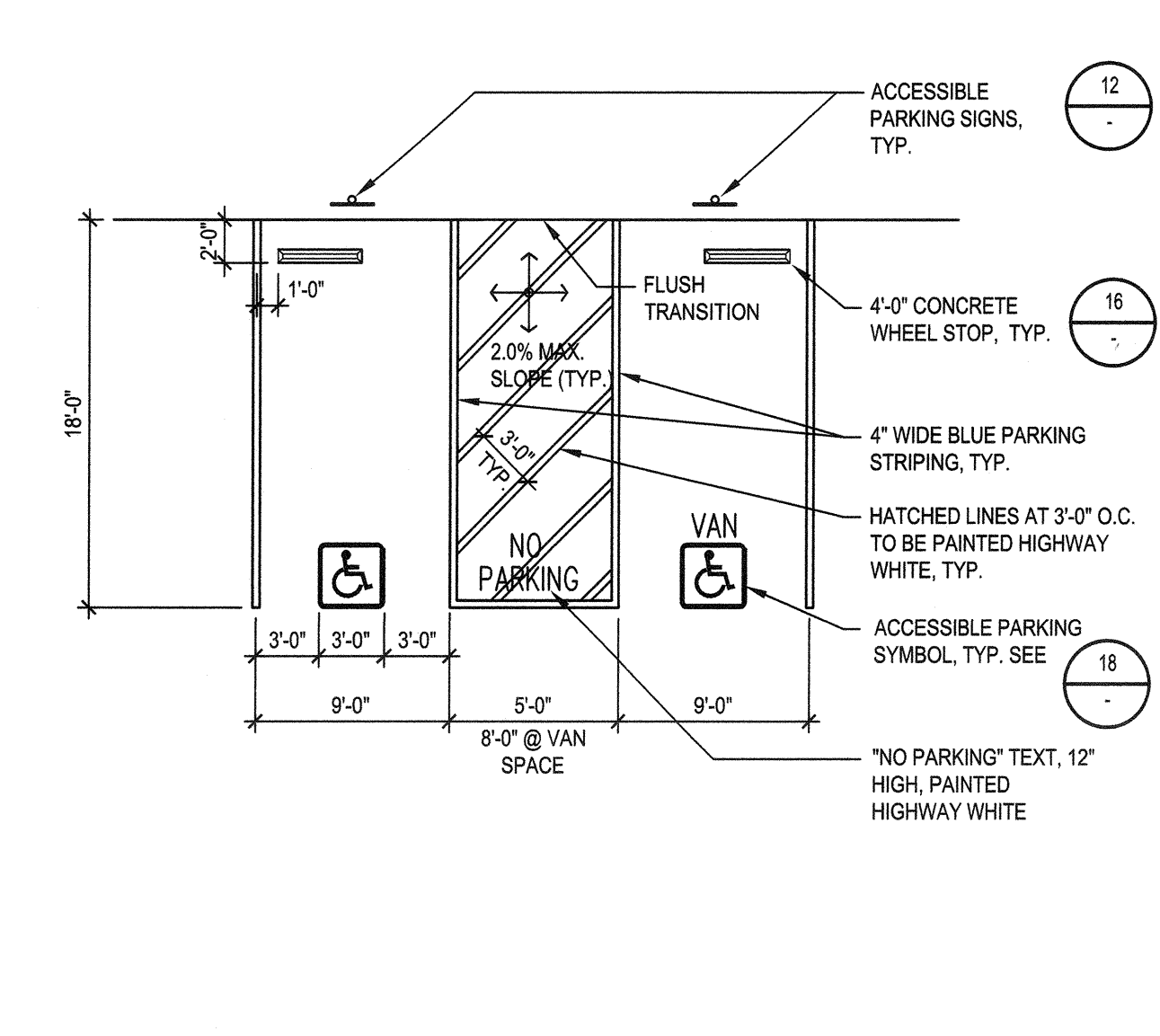
TYP. CURB-CUT RAMP AT 6" HIGH CURB SCALE: 1/4" = 1'-0"



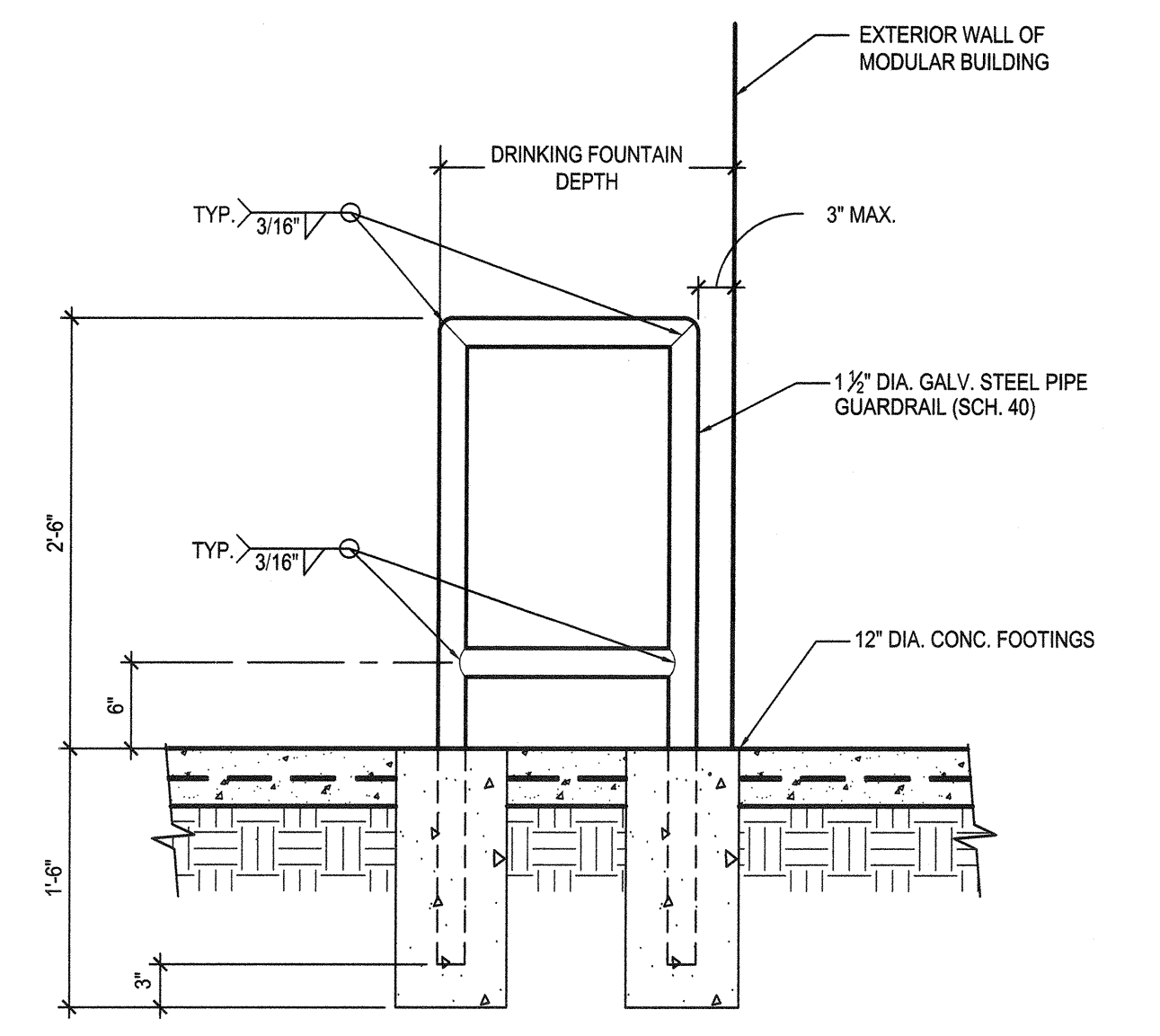
PEDESTAL D.F. W/ BOTTLE FILLER SCALE: 1" = 1'-0"



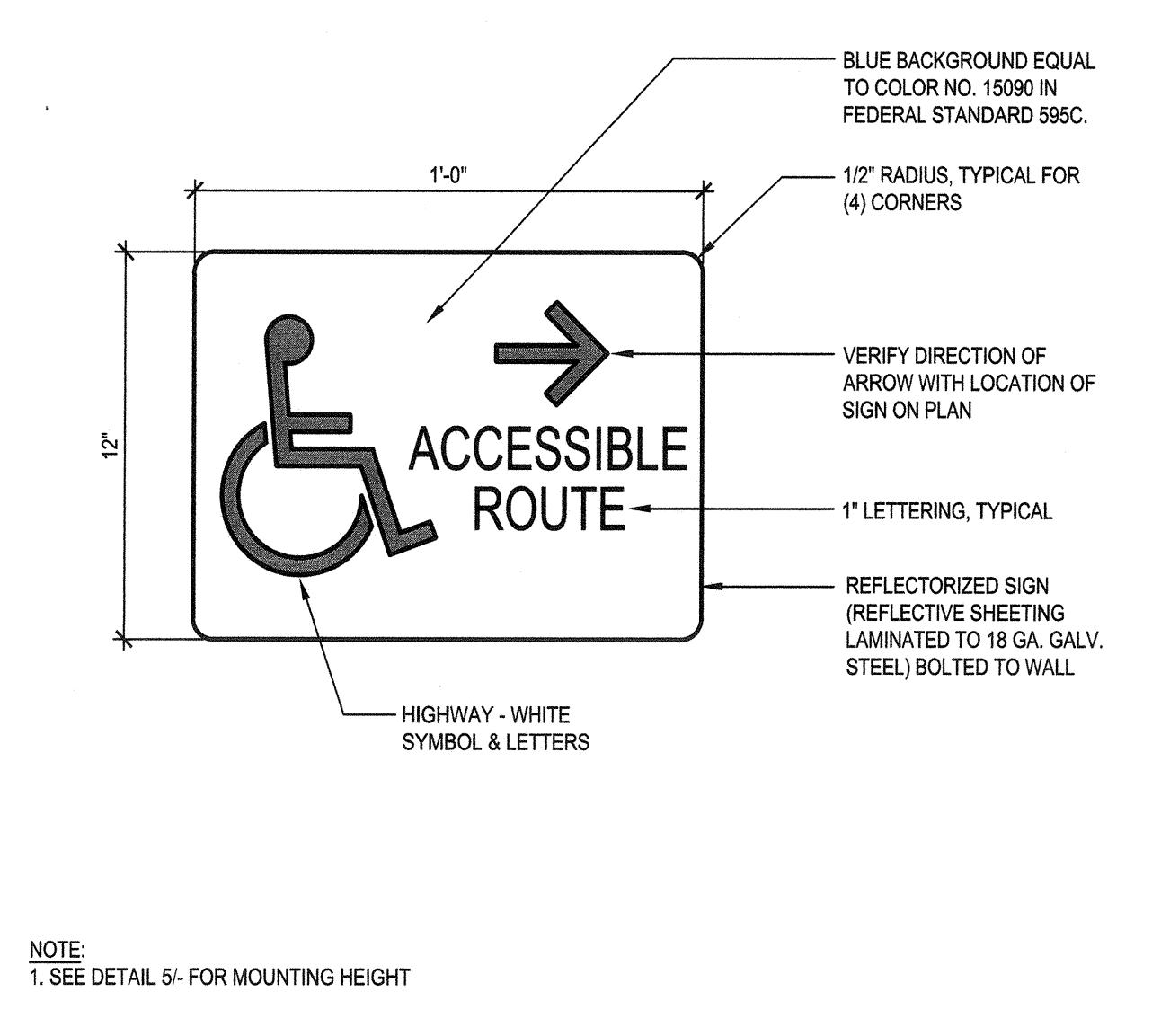
PEDESTAL DRINKING FOUNTAIN ELEVATION SCALE: 1" = 1'-0"



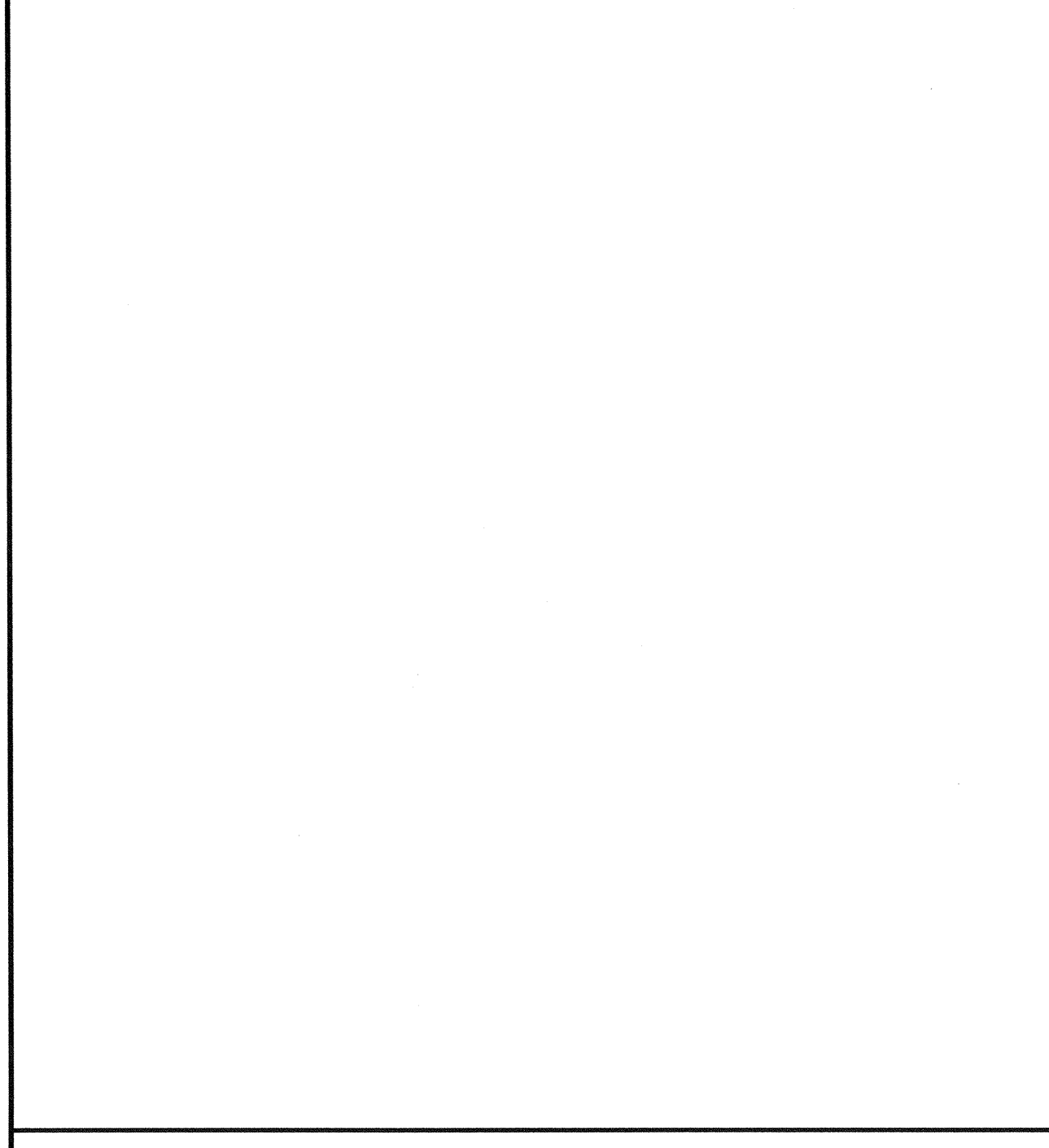
ACCESSIBLE PARKING STALL SCALE: 1/8" = 1'-0"



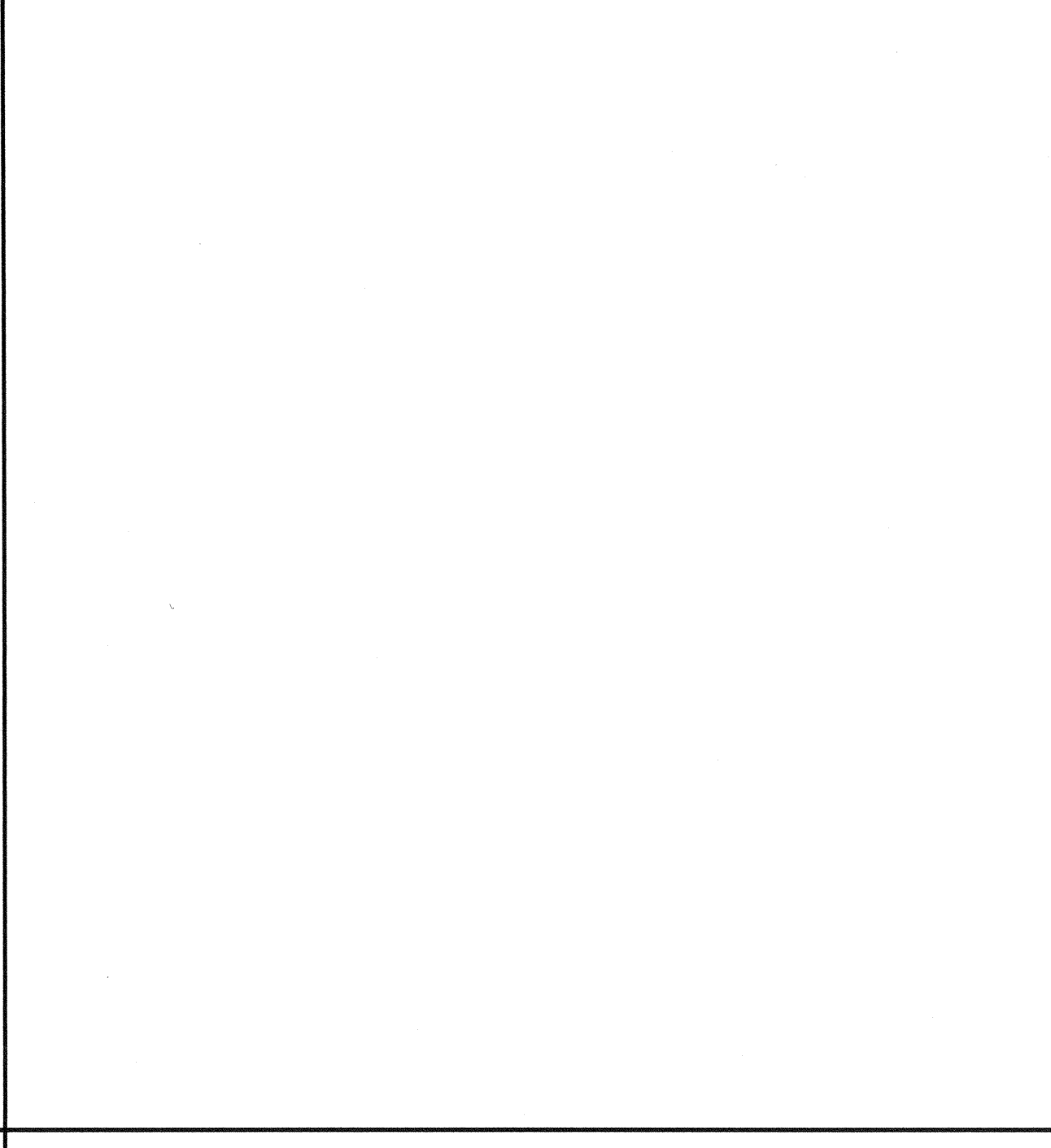
DRINKING FOUNTAIN GUARDRAIL SCALE: 1" = 1'-0"



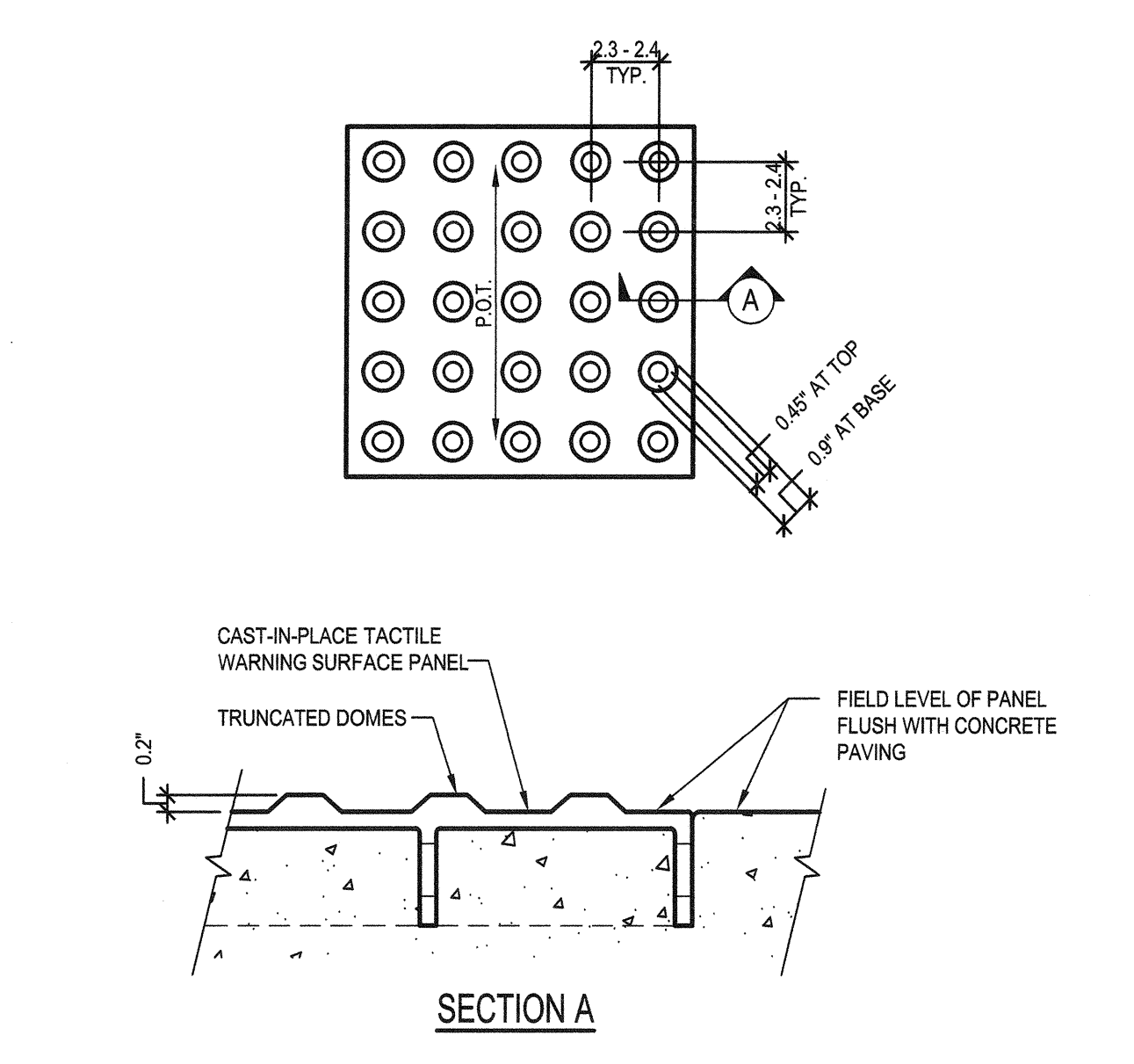
ACCESSIBLE ROUTE SIGNAGE SCALE: 3" = 1'-0"



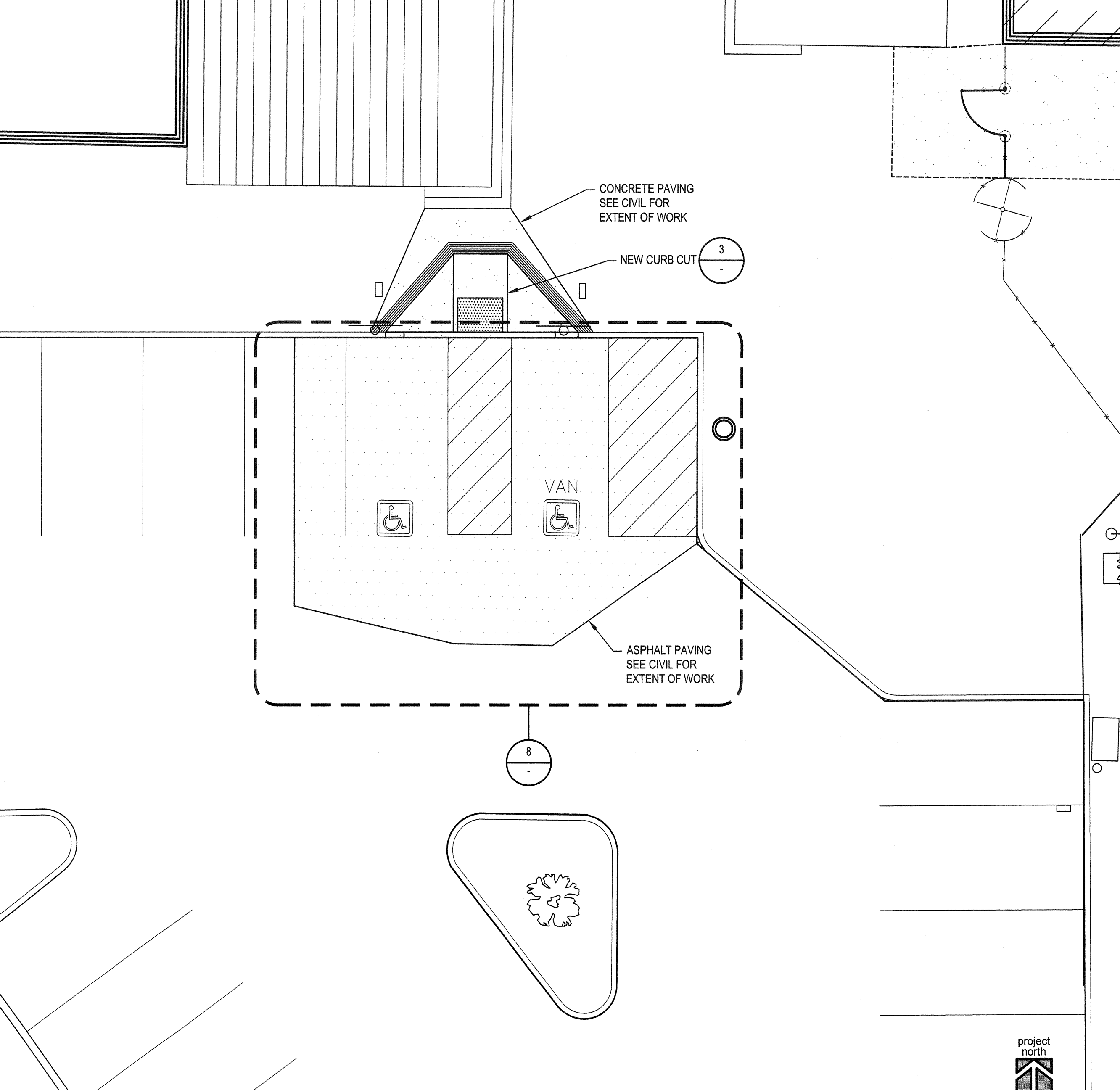
SIGN POST FOOTINGS SCALE: 3/4" = 1'-0"



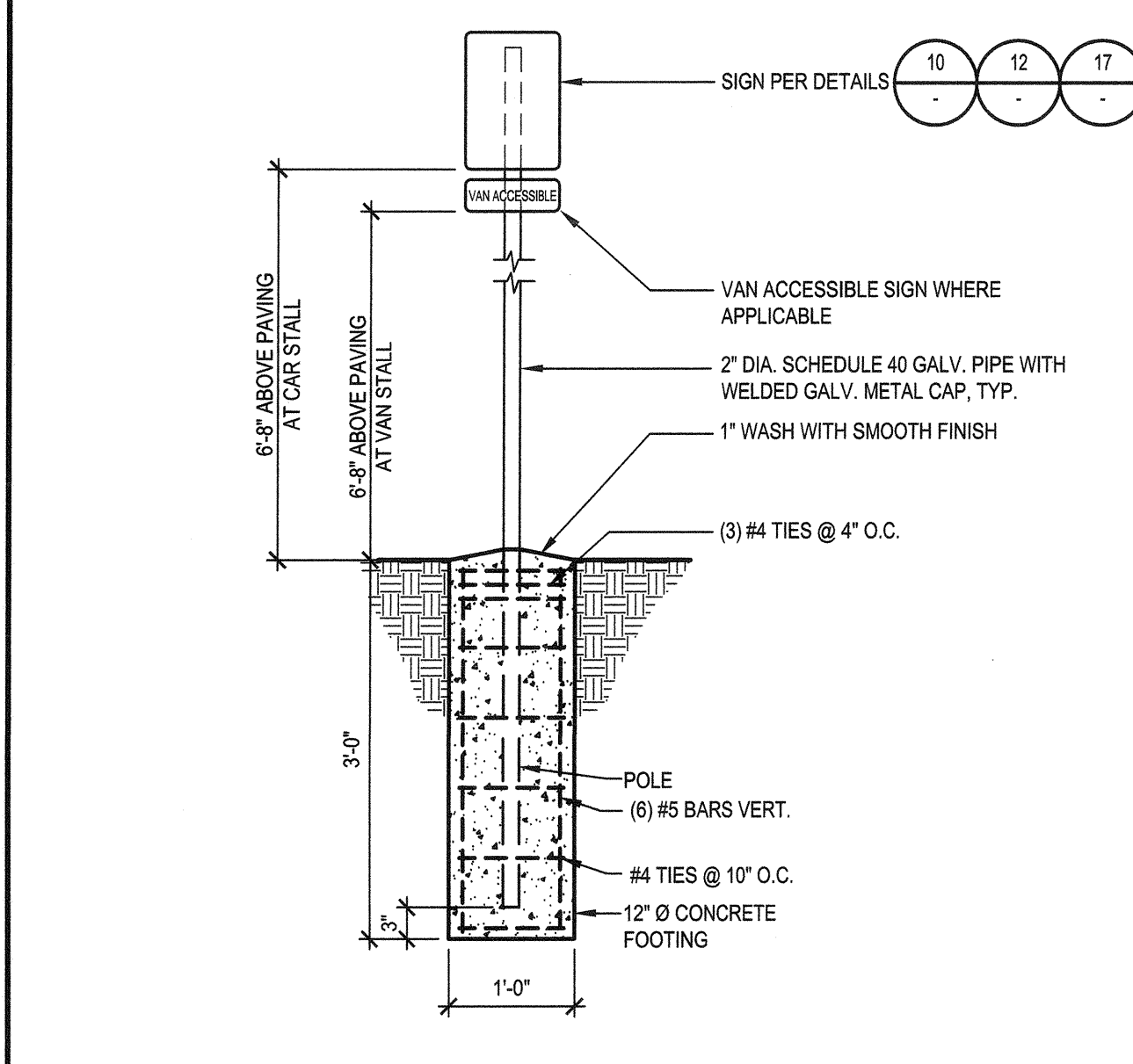
ACCESSIBLE PARKING STALL SIGN SCALE: 3" = 1'-0"



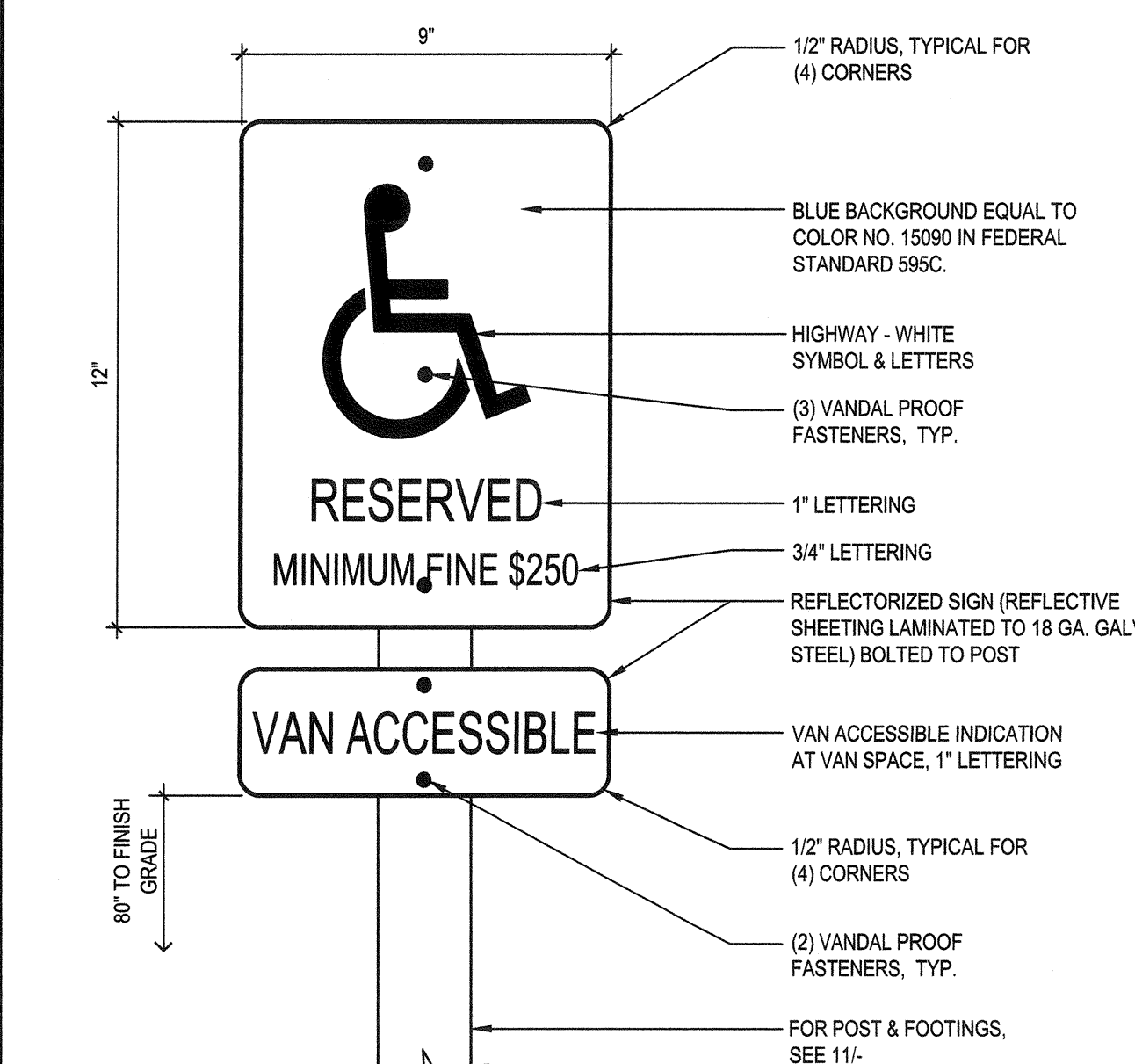
TRUNCATED DOMES DETAIL SCALE: 3" = 1'-0"



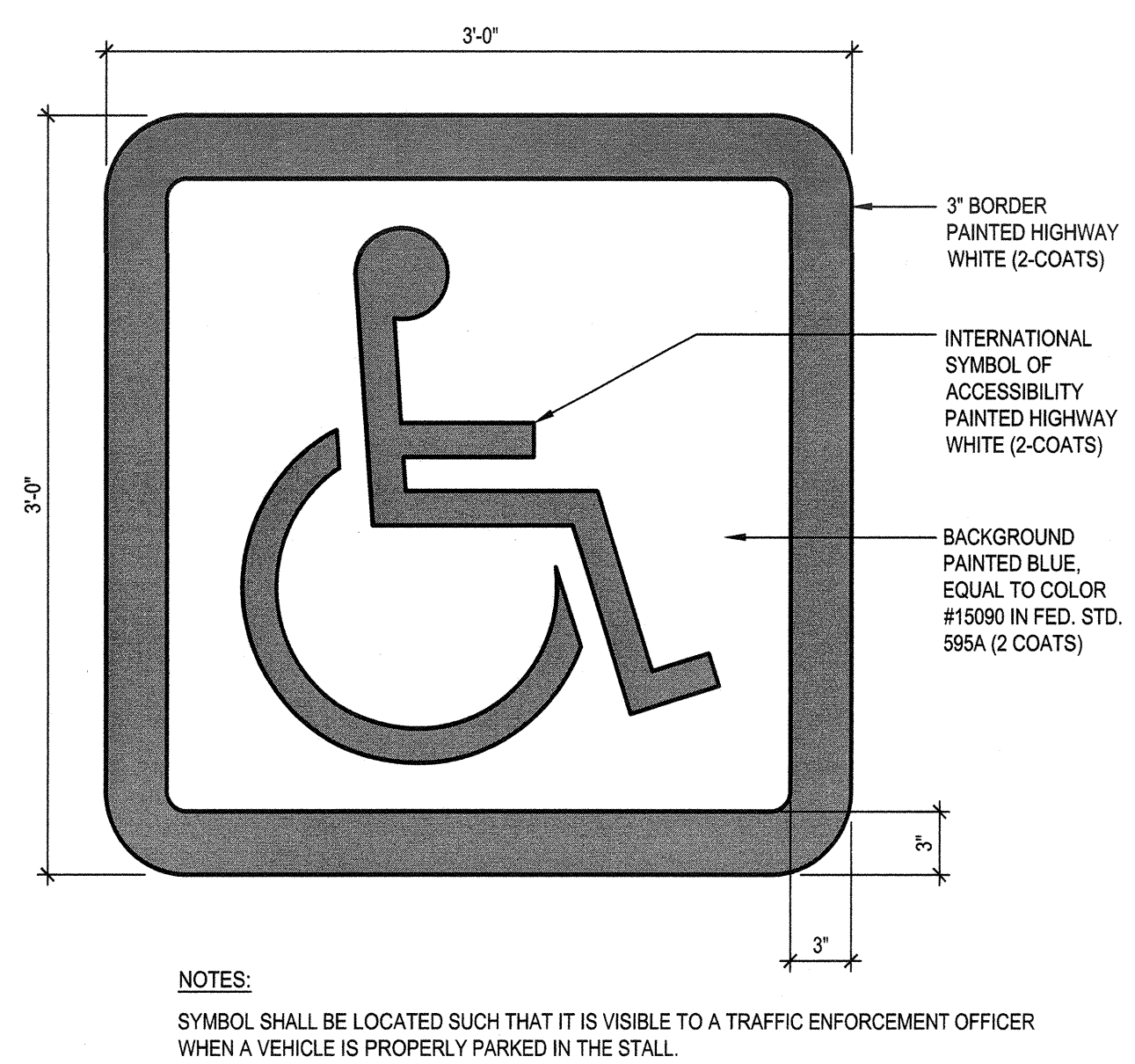
PROPOSED ACCESSIBLE PARKING SCALE: 1/8" = 1'-0"



CONCRETE WHEEL STOP SCALE: 1-1/2" = 1'-0"



UNAUTHORIZED VEHICLE SIGNAGE SCALE: 1-1/2" = 1'-0"



ACCESSIBLE PARKING SYMBOL SCALE: 1-1/2" = 1'-0"

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consultant

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A* 05-11-1722
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owner

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GLENDALE UNIFIED SCHOOL DISTRICT
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LA CRESCENTA, CALIFORNIA 91214

IBP project number : 2101500

file name: 0AS-5_Site Details

drawn by: EL checked by: CL

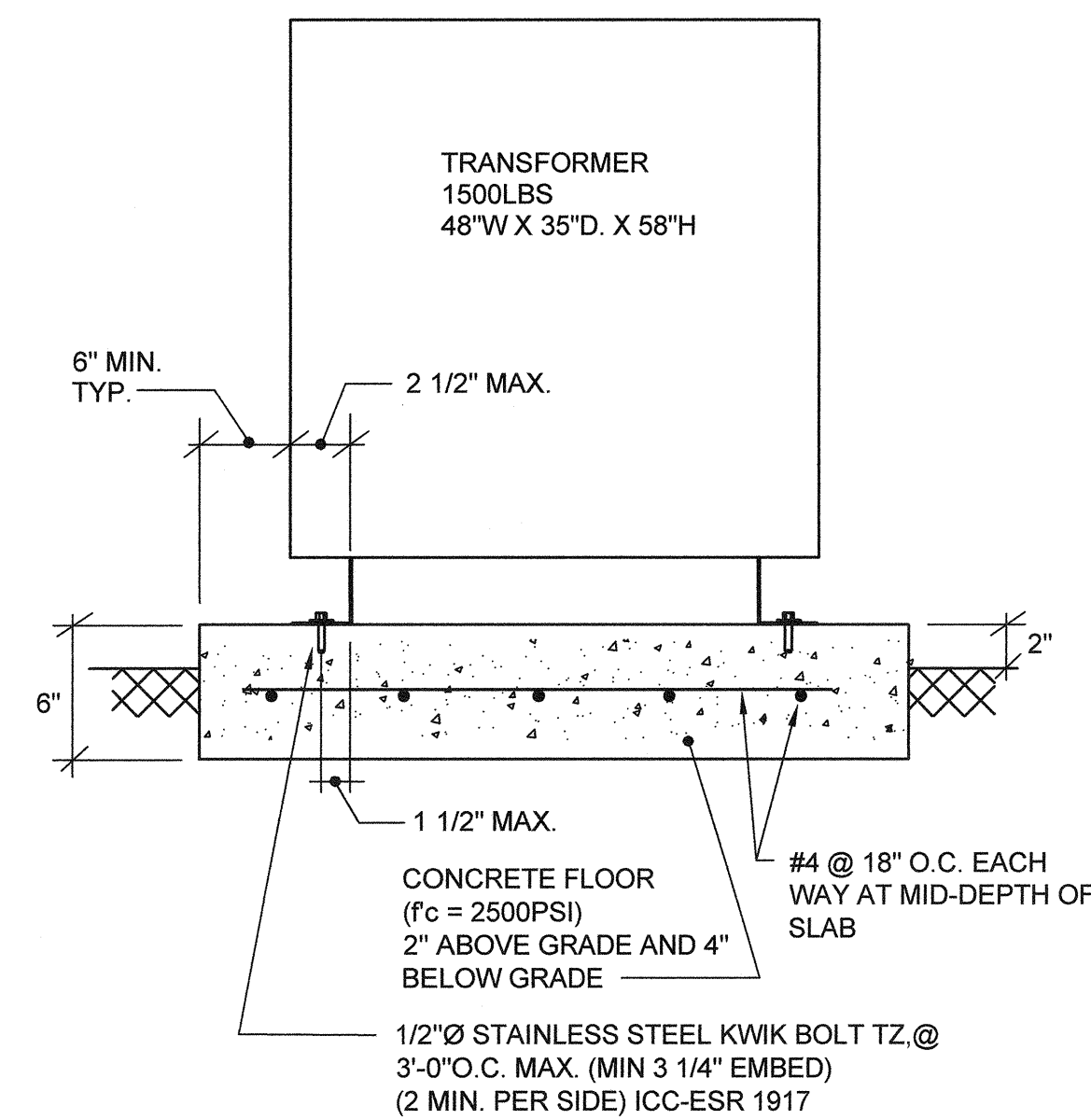
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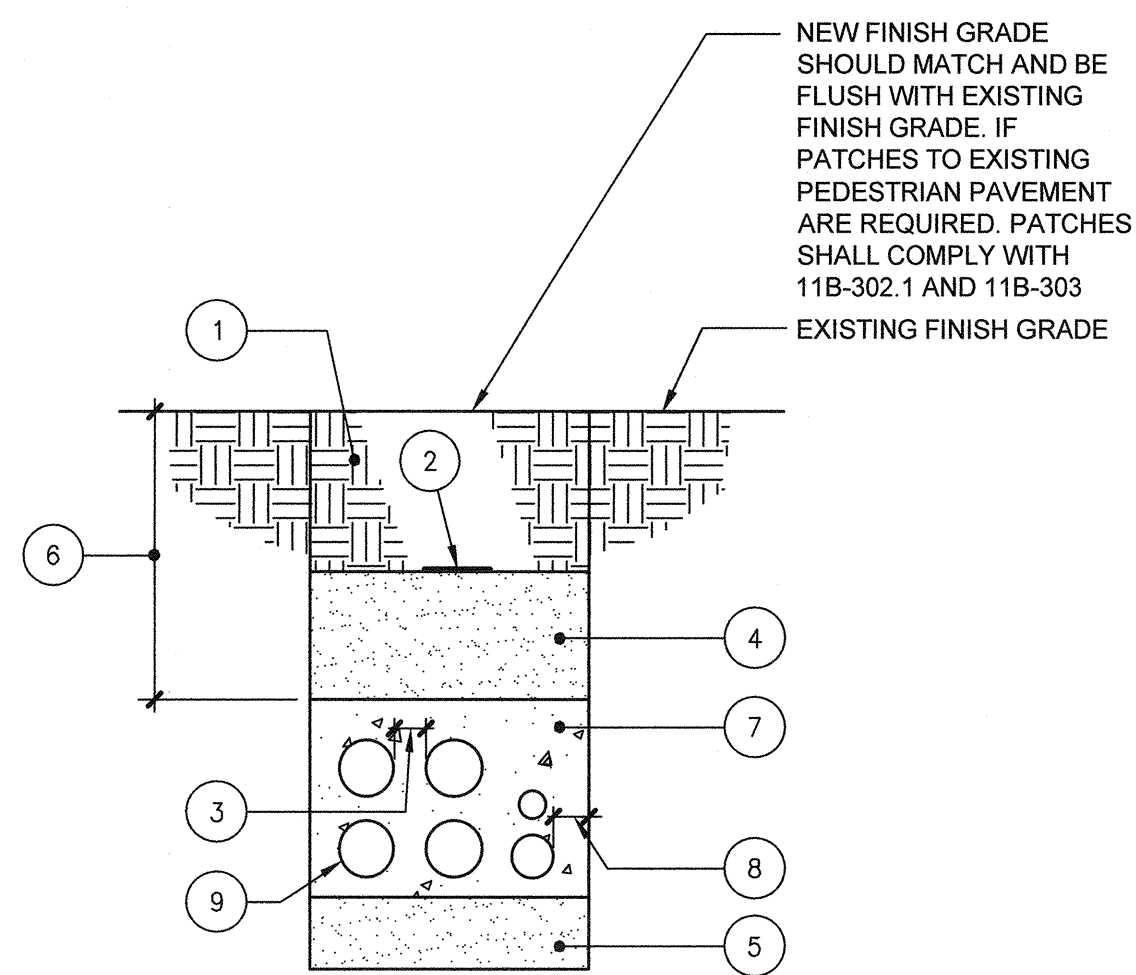
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NOTE:
FOR OUTDOOR UNITS USE STAINLESS STEEL KB TZ's

TRANSFORMER ANCHORAGE DETAIL

SCALE: NONE 5



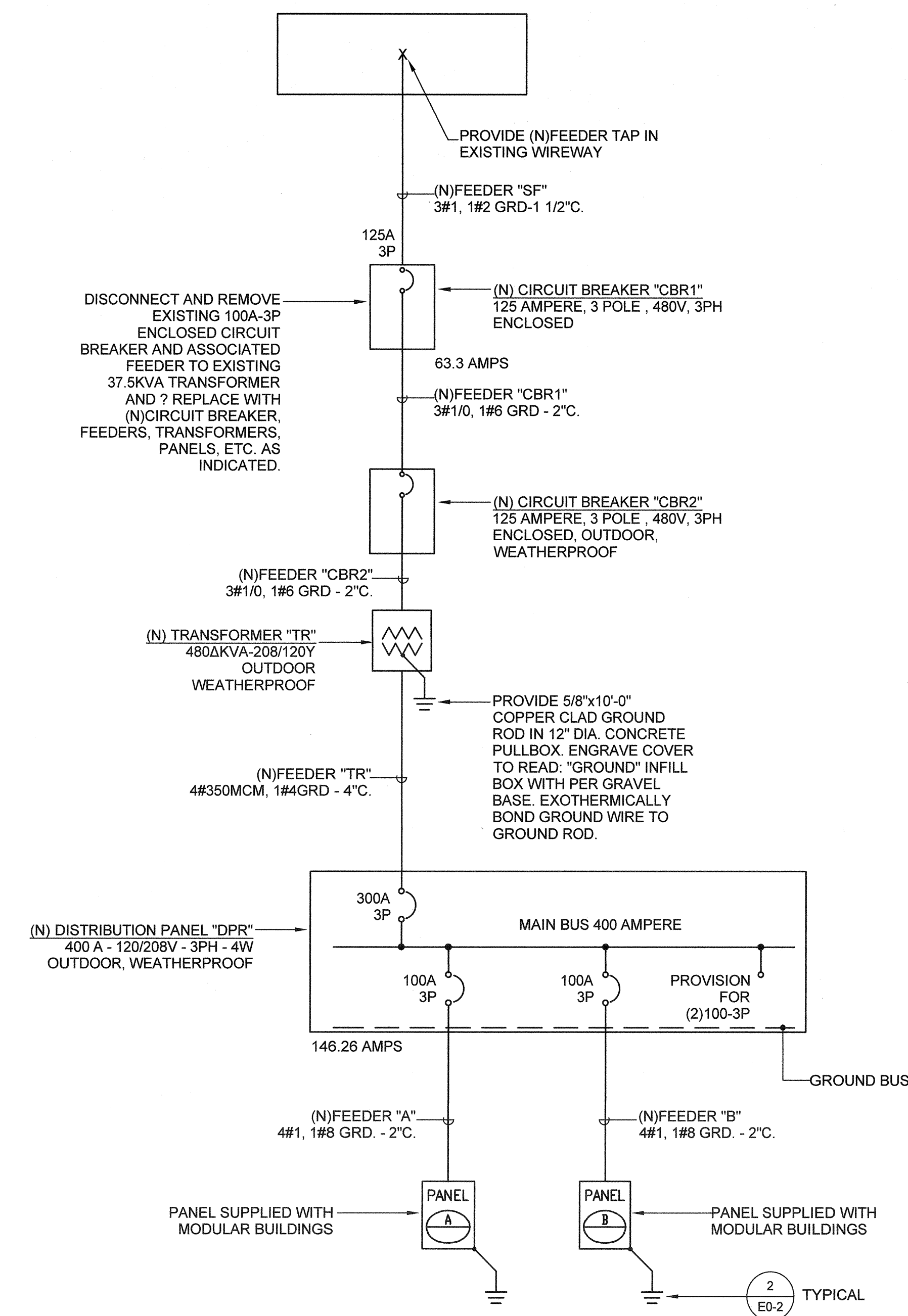
NOTE: SEE SPECIFICATIONS FOR ADDITIONAL INFORMATION AND REQUIREMENTS.

DUCT BANK NOTES:

- 1 NATIVE SOIL BACK FILL
- 2 3" WIDE WARNING TAPE LOCATED 12" BELOW GRADE. TAPE SHALL INDICATE: CAUTION BURIED ELECTRICAL CONDUIT.
- 3 3" BETWEEN IDENTICAL SYSTEM CONDUITS OR 24" BETWEEN DIFFERENT SYSTEM CONDUITS.
- 4 DAMP SAND BACK FILL TO WITHIN 12" OF FINISH GRADE.
- 5 6" BED OF DAMP SAND.
- 6 36" IN TRAFFIC AREAS, 24" IN NON-TRAFFIC AREAS.
- 7 CONCRETE ENCASEMENT.
- 8 3" MINIMUM COVERAGE.
- 9 REFER TO PLANS FOR CONDUITS SIZE AND QUANTITIES.

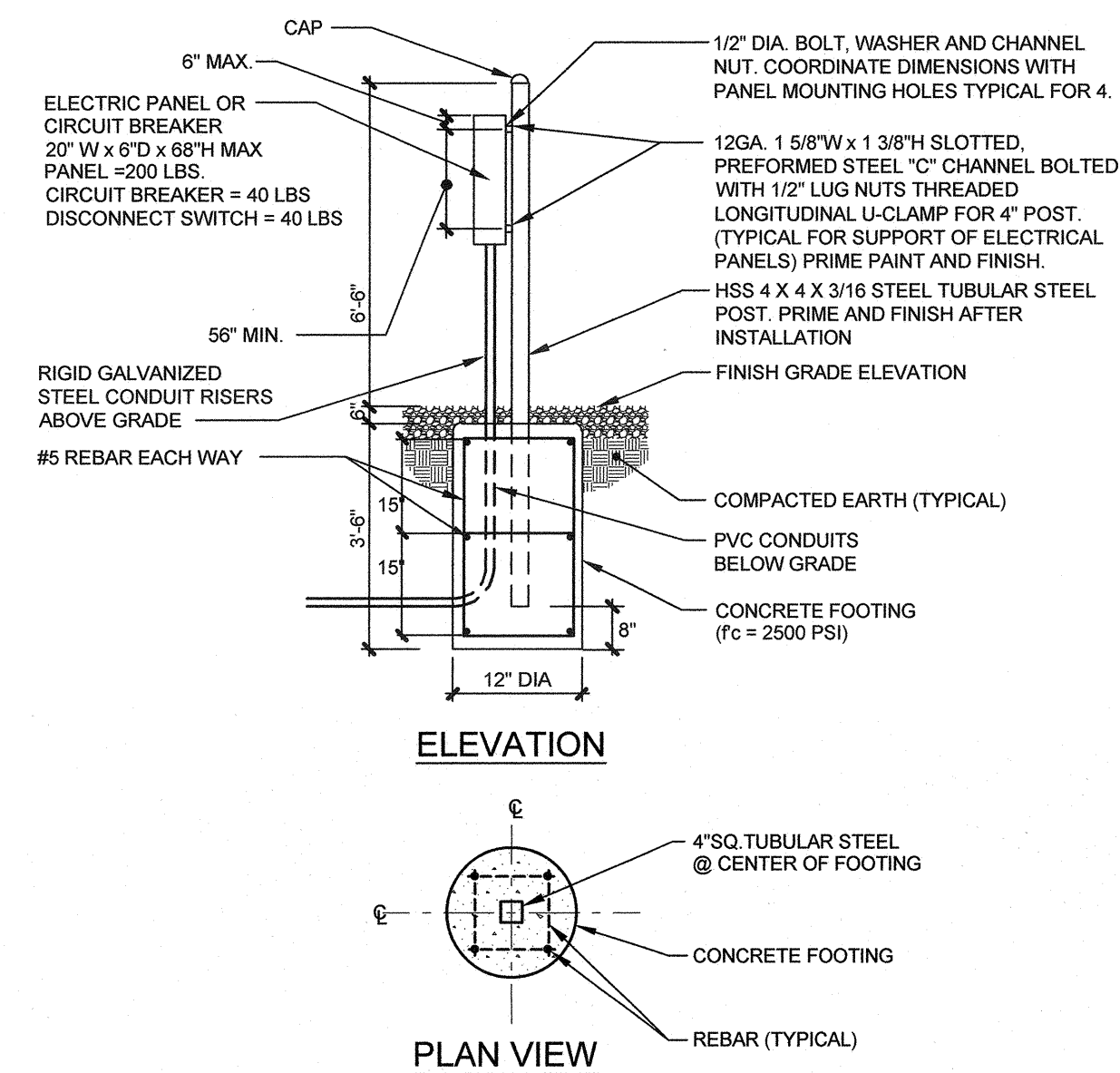
CONDUIT BANK DETAIL

SCALE: NONE 3



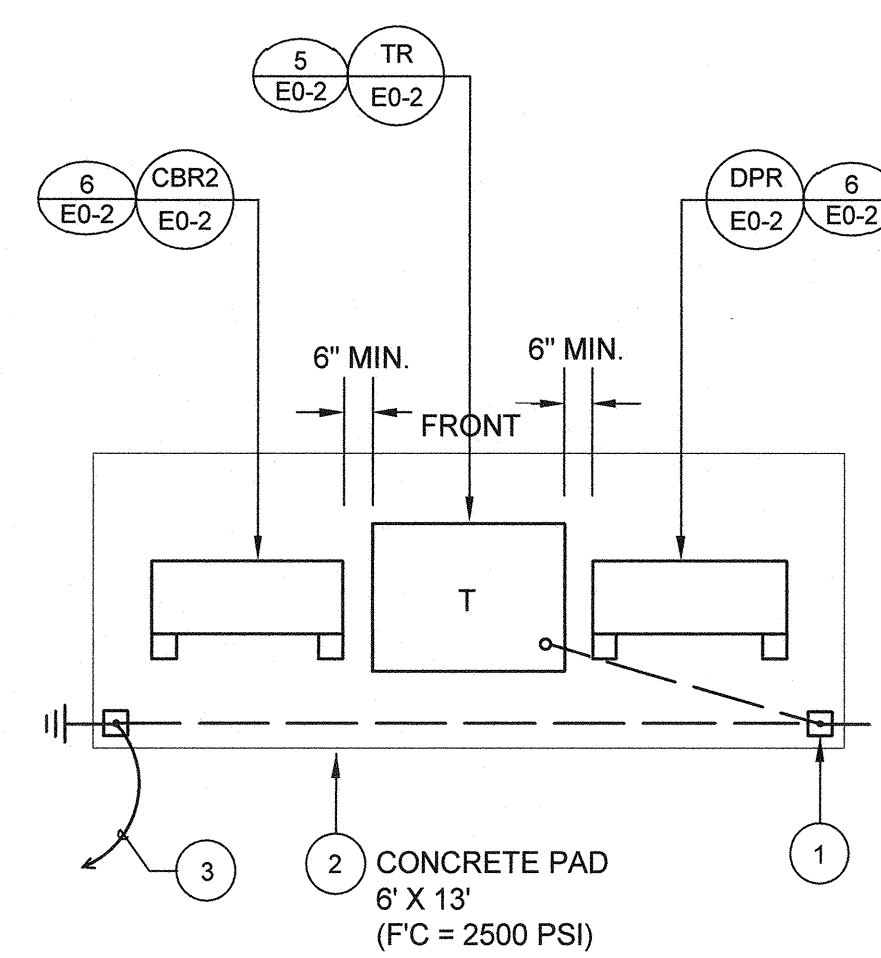
SINGLE LINE DIAGRAM

SCALE: NONE 1



ELEC. PANEL OR CIRC. BREAKER SUPPORT ASSEMBLY

SCALE: NONE 6

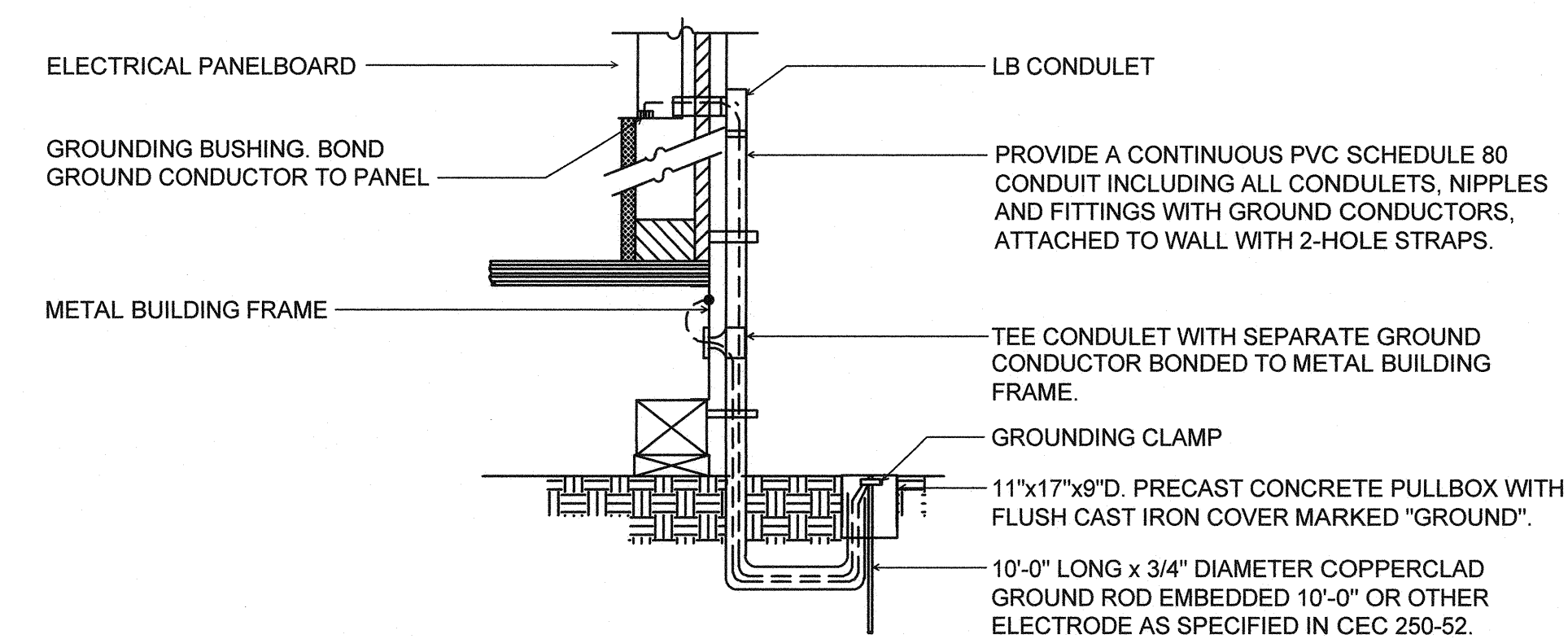


DETAIL NOTES:

- 1 PROVIDE 12"X 12"X 12" BOTTOMLESS CONCRETE PULLBOX WITH PEA-GRAVEL BASE AND 10 FT. LONG X 3/4" DIAMETER COPPER GROUND ROD. MOUNT PULLBOX FLUSH IN GRADE AND ENGRAVE COVER "GROUND". QUANTITY AS REQUIRED TO ACHIEVE 25 OHMS TO GROUND MAXIMUM.
- 2 PROVIDE 6" THICK REINFORCED CONCRETE PAD EXTENDING 4" BELOW AND 2" ABOVE GRADE. #4 @ 18" O.C. EACH WAY AT MID-DEPTH OF SLAB.
- 3 BOND TO FENCE POST, WHERE OCCURS.

ENLARGED ELECTRICAL ENCLOSURE

SCALE: NONE 4

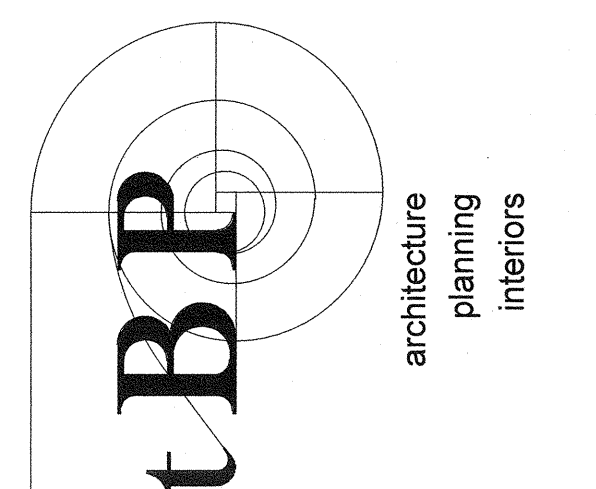


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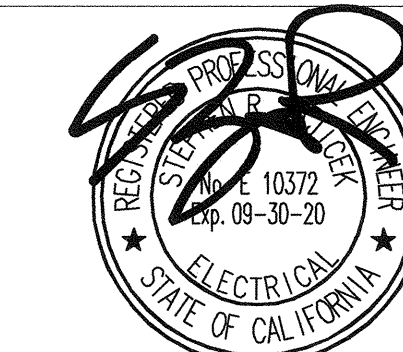
1. SIZE OF CONDUCTORS SHALL COMPLY WITH CEC, TABLE 250.66.
2. BOND SEPARATE CONDUCTORS FROM GROUND ROD TO ELECTRICAL PANEL AND TO METAL BUILDING FRAME (CEC 250.52). IN ADDITION TO THE DETAIL SHOWN ABOVE, BOND THE ELECTRICAL CONDUIT TO METAL UNDERGROUND WATER PIPE IN DIRECT CONTACT WITH THE EARTH FOR 10 FT. OR MORE, IF AVAILABLE (CEC 250.52).
3. ALL MODULES OF METAL FRAME BUILDINGS SHALL BE ELECTRICALLY BONDED TOGETHER. (BOLTING ONLY IS NOTE ACCEPTABLE BONDING.)
4. CHECK RESISTANCE TO GROUND. IF RESISTANCE EXCEEDS 25 OHMS, INSTALL ADDITIONAL GROUND ROD GREATER THAN SIX FEET AWAY (CEC 250.56). ONCE THE SECOND GROUND ROD IS INSTALLED, ADDITIONAL GROUND RESISTANCE TESTING IS NOT REQUIRED.
5. 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.
6. WHERE MODULAR BUILDINGS ARE INSTALLED ON CONCRETE FOUNDATIONS, A UFER GROUND SHALL BE INSTALLED IN THE FOOTING PER CEC 250.52 (A)(3).
7. OTHER GROUNDING METHODS IDENTIFIED IN CEC 250 SHALL BE ACCEPTABLE MEANS TO ACHIEVE ADEQUATE GROUNDING OF METAL BUILDINGS IN COMPLIANCE WITH THE ABOVE.
8. SEE SPECIFICATIONS FOR TESTING OF GROUNDING REQUIRED.

MODULAR BUILDING GROUND DETAIL

SCALE: NONE 2



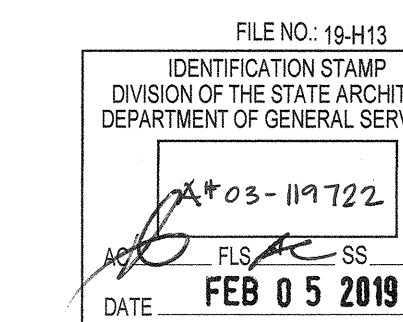
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owner

tBP project number : 21015.00

file name:

drawn by: checked by:

date: FEBRUARY 05, 2019

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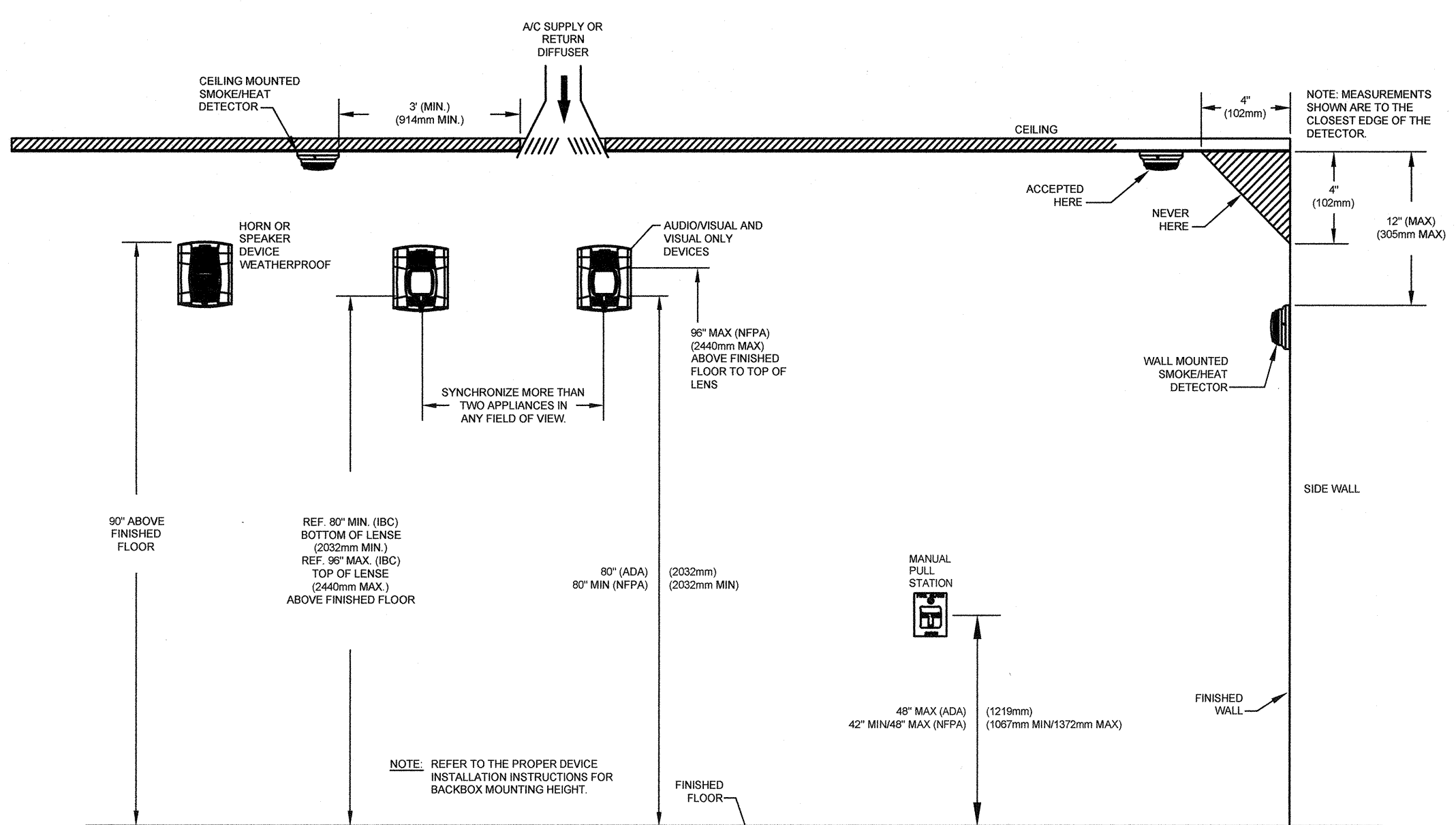
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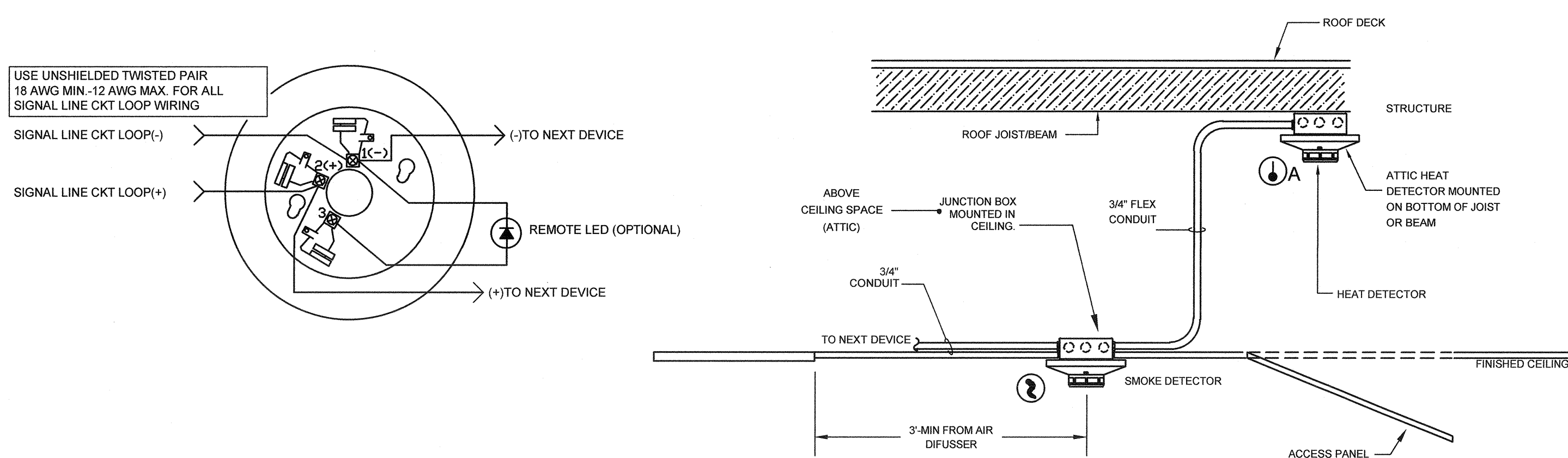
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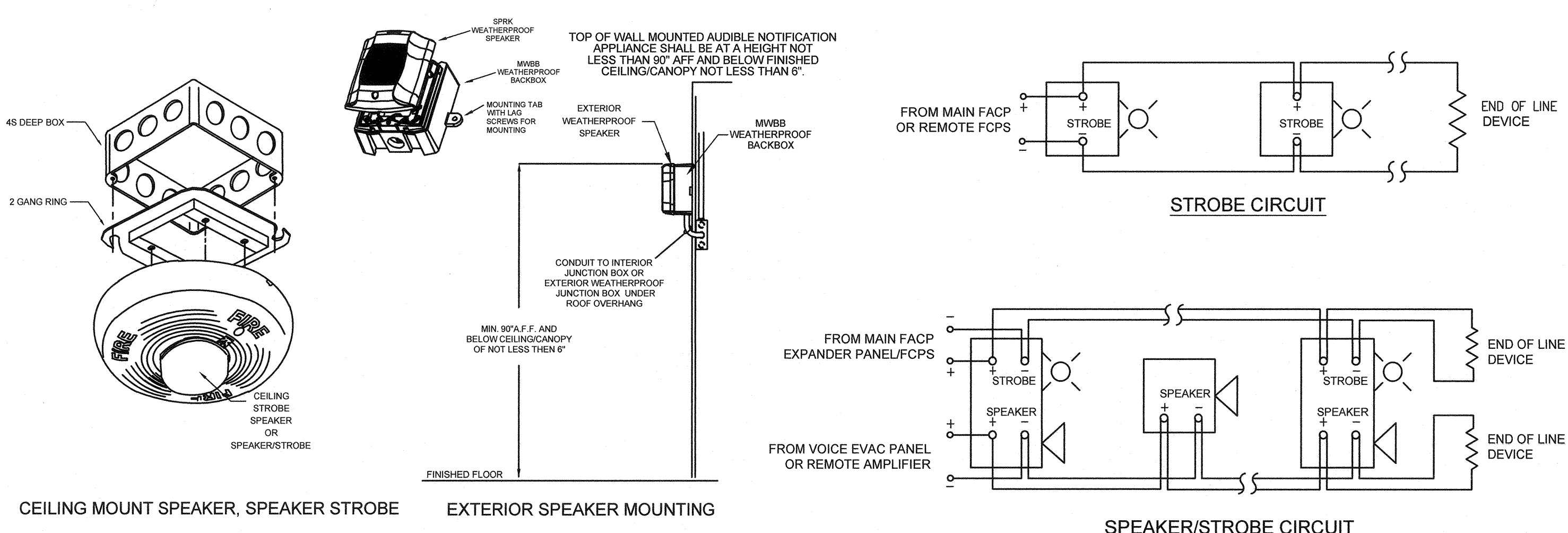
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FIRE ALARM SYSTEM DEVICES MOUNTING ELEVATIONS SCALE: NONE 1



ADDRESSABLE DETECTOR BASE WIRING/MOUNTING SCALE: NONE 2



NOTIFICATION APPLIANCE WIRING AND MOUNTING SCALE: NONE 3

FIRE ALARM GENERAL NOTES

- THE FIRE ALARM SHALL CONFORM TO ARTICLE 760 OF THE CALIFORNIA ELECTRICAL CODE.
- UPON COMPLETION OF THE INSTALLATION OF THE FIRE ALARM SYSTEM, A SATISFACTORY TEST OF THE ENTIRE SYSTEM SHALL BE MADE IN THE PRESENCE OF THE AUTHORITY HAVING JURISDICTION (FIRE MARSHAL). THE CONTRACTOR SHALL PROVIDE ALL NECESSARY TEST EQUIPMENT (e.g. DIGITAL AMMETER, DECIBEL METER) AND VERIFY THAT THE GROUND FAULT DETECTION FOR THE FIRE ALARM SYSTEM IS OPERATIONAL DURING TESTING AND REMAINS SO ONCE THE SYSTEM IS APPROVED. UPON APPROVAL OF THE FIRE ALARM SYSTEM, THE CONTRACTOR SHALL PROVIDE THE OWNER WITH COMPLETE SET OF OPERATING INSTRUCTIONS FOR THE SYSTEM.
- A MINIMUM OF 48 HOURS NOTICE SHALL BE REQUIRED PRIOR TO ANY INSPECTION AND/OR TEST.
- AN APPROVED, STAMPED SET OF THE FIRE ALARM PLANS SHALL BE ON THE JOB SITE AND USED FOR INSTALLATION. ANY DEVIATIONS FROM THE APPROVED PLANS, INCLUDING SUBSTITUTION OF DEVICES, SHALL BE APPROVED BY THE INSPECTOR OF RECORD.
- ANY DISCREPANCIES BETWEEN THE DRAWINGS AND THE CODE OR RECOGNIZED STANDARDS SHALL BE BROUGHT TO THE ATTENTION OF THE INSPECTOR OF RECORD.
- ALL DEVICES OF THE FIRE ALARM SYSTEM SHALL BE APPROVED AND LISTED BY THE CALIFORNIA STATE FIRE MARSHAL.
- A "RECORD OF COMPLETION" SHALL BE PREPARED BY THE INSTALLER AND GIVEN TO THE FIRE MARSHAL UPON COMPLETION OF THE INSTALLATION.
- ALL TERMINAL CABINETS AND JUNCTION BOXES SHALL BE CLEARLY MARKED THAT THE ENCLOSURE IS PART OF THE FIRE ALARM SYSTEM.
- THE CONTRACTOR SHALL LOCATE ALL SMOKE DETECTION DEVICES A MINIMUM OF 36" FROM ANY MECHANICAL REGISTERS.
- THESE DRAWINGS ARE DIAGRAMMATIC IN NATURE. WIRE LENGTHS USED TO CALCULATE VOLTAGE DROPS REPRESENT ESTIMATES BASED ON MEASUREMENTS OF SCALED FLOOR PLAN DRAWINGS. CONTRACTOR TO ROUTE CONDUIT AS FIELD CONDITIONS REQUIRE. CONTRACTOR TO INSTALL ALL DEVICES ACCORDING TO MANUFACTURERS INSTRUCTIONS AND IN COMPLIANCE WITH ALL APPLICABLE CODES.
- CONTRACTOR SHALL VERIFY LOCATION OF POST INDICATOR VALVES (PIV'S) AND/OR OUTSIDE STEM & YOKE (OS&Y) VALVES INSTALLED ON FIRE SPRINKLER SERVICE. CONTRACTOR SHALL PROVIDE AND INSTALL TAMPER SWITCH(ES) AT EACH OF THESE VALVES AND INTERCONNECT TAMPER SWITCH(ES) TO THE FIRE ALARM CONTROL PANEL (FACP).
- ALL WIRING TO BE IN CONDUIT. ALL CONDUIT IS TO BE A 3/4" MINIMUM. IF FLEX CONDUIT IS USED TO TRANSITION DOWN TO CEILING DEVICE THE FLEX CAN BE NO LONGER THAN 5 FEET.

FIRE ALARM EQUIPMENT SCHEDULE

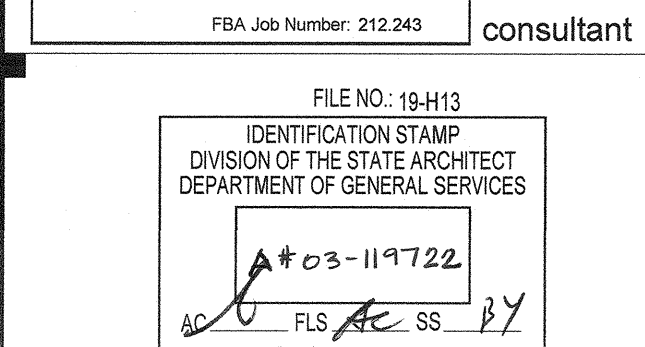
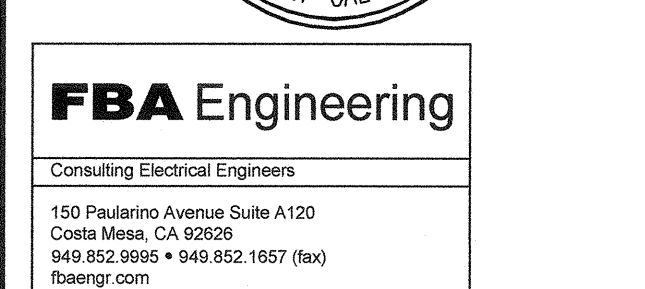
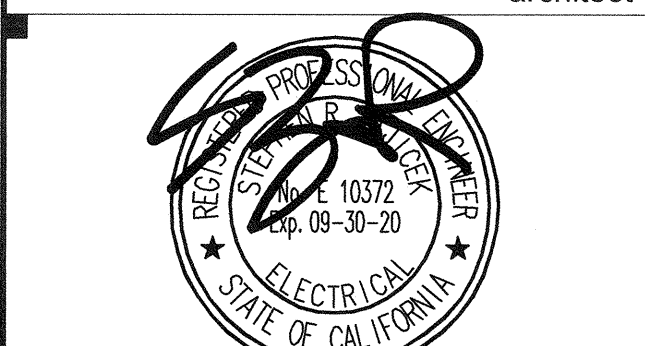
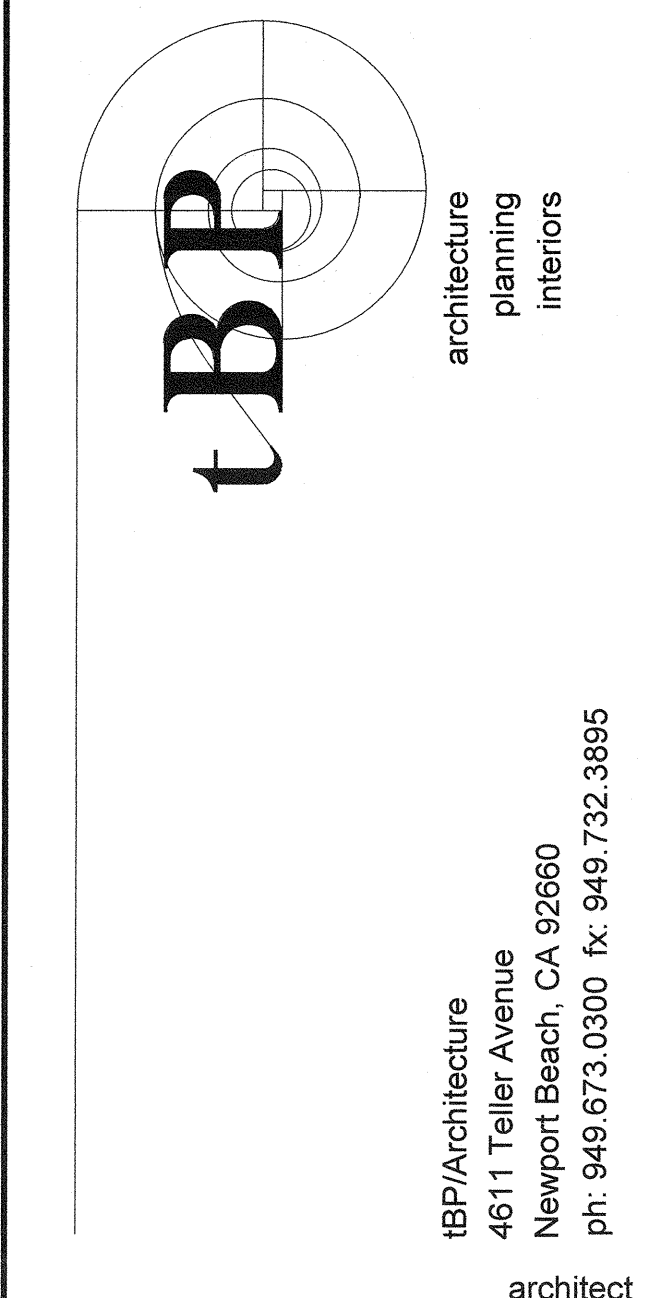
ITEM DESCRIPTION	SYMBOL	MOUNTING	CATALOG NUMBER	CSFM LISTING NUMBER
EXISTING FIRE ALARM CONTROL PANEL "EFACP"	(E)	EXISTING	NOTIFIER NFS-3030	-
FIRE ALARM CONTROL PANEL WITH DIGITAL VOICE COMMANDER, PAGING MICROPHONE "FACP"	(F)	472" A.F.F. TO TOP OF CABINET	NOTIFIER NFS2-640	7165-0028.0215
FIRE ALARM VOICE EVAC AMPLIFIER	(V)	MOUNT IN FACP CABINET	NOTIFIER DAA2 SERIES	7165-0028.0215
FIRE ALARM REMOTE PAGING UNIT "RPU"	(R)	+65" A.F.F. TO TOP OF CABINET	NOTIFIER DVC-RPU	7165-0028.0215
FIRE ALARM SYSTEM NETWORK ANNUNCIATOR	(N)	+66" A.F.F. TO TOP OF CABINET	NOTIFIER NCA-2	7165-0028.0215
SMOKE DETECTOR PHOTOELECTRIC TYPE ON FLUSH CEILING MOUNTED OUTLET BOX	(S)	CEILING	NOTIFIER FSP-951	7272-0028.0503
HEAT DETECTOR ON FLUSH CEILING MOUNTED OUTLET BOX	(H)	ATTIC	NOTIFIER FST-951H	7270-0028.0502
FIRE ALARM ADDRESSABLE MANUAL PULL STATION	(M)	+48" A.F.F. TO CENTER	NOTIFIER NBG-12LX	7150-0028.0199
FIRE ALARM SPEAKER WEATHERPROOF WALL MOUNTED ON WEATHERPROOF BACKBOX	(SP)	+90 A.F.F. TO BOTTOM	SYSTEM SENSOR SPRK	7320-1653.0201
FIRE ALARM SPEAKERSTROBE CEILING MOUNTED ON 4S DEEP BOX W/ EXT. RING (CD# DENOTES CANDELA)	(SPS)	CEILING	SYSTEM SENSOR SPSCLR	7320-1653.0505
FIRE ALARM STROBE CEILING MOUNTED ON 4S DEEP BOX (CD# DENOTES CANDELA)	(STR)	CEILING	SYSTEM SENSOR SRL	7125-1653.0504

FIRE ALARM SYSTEM NOTES

- FIRE ALARM COMPLETE PLAN SUBMITTAL**
- 1.0 PROJECT INFORMATION**
- A. OCCUPANCY GROUP REFER TO ARCHITECTURAL DRAWINGS.
- B. CONSTRUCTION TYPE REFER TO ARCHITECTURAL DRAWINGS.
- C. PENETRATIONS OF FIRE RATED WALLS SHALL BE PROTECTED IN ACCORDANCE WITH CALIFORNIA BUILDING CODE, PART 2, CHAPTER 7, TITLE 24. REFER TO THE ARCHITECTURAL PLANS FOR FIRE-RATE CORRIDOR(S), OCCUPANCY SEPARATION(S) AND AREA SEPARATION WALL(S).
- D. UPON COMPLETION OF SYSTEM INSTALLATION, THE SYSTEM SHALL BE TESTED IN THE PRESENCE OF AND IN A MANNER ACCEPTABLE TO THE ENFORCING AGENCY.
- E. PROVIDE A STATEMENT OF COMPLIANCE WHEN REQUESTING INSPECTION CFC 901.2.1
- F. THE FIRE ALARM SYSTEM DESIGN FOR THIS PROJECT IS ADDRESSABLE AND FULLY AUTOMATIC.
- 2.0 APPLICABLE CODES AND STANDARDS**
- A. PARTIAL LIST OF APPLICABLE CODES AS OF JANUARY 1, 2017**
- 2016 CALIFORNIA ADMINISTRATIVE CODE, PART 1, TITLE 24 C.C.R.
 2016 CALIFORNIA BUILDING CODE (CBC), PART 2, TITLE 24 C.C.R.
 (2015 INTERNATIONAL BUILDING CODE VOLUMES 1-2 AND 2016 CALIFORNIA AMENDMENTS)
 2016 CALIFORNIA ELECTRICAL CODE (CEC), PART 3, TITLE 24 C.C.R.
 (2014 NATIONAL ELECTRICAL CODE AND 2016 CALIFORNIA AMENDMENTS)
 2016 CALIFORNIA MECHANICAL CODE (CMC), PART 4, TITLE 24 C.C.R.
 (2015 UNIFORM MECHANICAL CODE AND 2016 CALIFORNIA AMENDMENTS)
 2016 CALIFORNIA PLUMBING CODE (CPC), PART 5, TITLE 24 C.C.R.
 (2015 UNIFORM PLUMBING CODE AND 2016 CALIFORNIA AMENDMENTS)
 2016 CALIFORNIA ENERGY CODE (CEC), PART 6, TITLE 24 C.C.R.
 2016 CALIFORNIA FIRE CODE (CFC), PART 9, TITLE 24 C.C.R.
 (2015 INTERNATIONAL FIRE CODE AND 2016 CALIFORNIA AMENDMENTS)
 2016 CALIFORNIA GREEN BUILDING STANDARDS CODE, PART 11, TITLE 24 C.C.R.
 2016 CALIFORNIA REFERENCED STANDARDS, PART 12, TITLE 24 C.C.R.
 TITLE 19 C.C.R., PUBLIC SAFETY, STATE FIRE MARSHAL REGULATIONS.
 2013 ASME A17.1 SAFETY CODE FOR ELEVATORS AND ESCALATORS.
- B. PARTIAL LIST OF APPLICABLE STANDARDS**
- NFPA 13 AUTOMATIC SPRINKLER SYSTEMS 2016 EDITION
 NFPA 14 STANDPIPE SYSTEMS 2013 EDITION
 NFPA 17 DRY CHEMICAL EXTINGUISHING SYSTEM 2013 EDITION
 NFPA 17A WET CHEMICAL EXTINGUISHING SYSTEMS 2018 EDITION
 NFPA 20 STATIONARY PUMPS 2018 EDITION
 NFPA 22 WATER TANKS FOR PRIVATE FIRE PROTECTION 2013 EDITION
 NFPA 24 PRIVATE FIRE MAINS 2016 EDITION
 NFPA 72 NATIONAL FIRE ALARM CODE 2016 EDITION
 NFPA 80 FIRE DOORS AND OTHER OPENING PROTECTIVES 2016 EDITION
 NFPA 92 STANDARDS FOR SMOKE CONTROL SYSTEMS 2015 EDITION
 NFPA 253 CRITICAL RADIANT FLUX OF FLOOR COVERING SYSTEMS 2015 EDITION
 NFPA 2001 CLEAN AGENT FIRE EXTINGUISHING SYSTEMS 2015 EDITION
 ICC 300 ICC STANDARDS ON BLEACHERS, FOLDING AND TELESCOPING SEATING AND GRAND STANDS 2012 EDITION
 UL 300 FIRE TESTING OF FIRE EXTINGUISHING SYSTEMS FOR PROTECTION OF RESTAURANT COOKING AREAS 2005 EDITION
 UL 484 AUDIBLE SIGNAL APPLIANCES 2003 EDITION
 UL 521 HEAT DETECTORS FOR FIRE PROTECTIVE SIGNALING SYSTEMS 1999 EDITION
- REFERENCE CODE SECTION FOR NFPA STANDARDS-2016 CBC (SFM) CHAPTER 35. SEE CHAPTER 35 FOR STATE OF CALIFORNIA AMENDMENTS TO NFPA STANDARDS.
- 3.0 UPON RECEIPT OF THE CERTIFICATE OF COMPLIANCE, THE INSTALLER SHALL SUPPLY THE OWNER WITH A WRITTEN OPERATING, TESTING AND MAINTENANCE INSTRUCTIONS, POINT-TO-POINT AS BUILD DRAWINGS AND EQUIPMENT SPECIFICATIONS.
- 4.0 NFPA 72 CHAPTER 10.14 INSPECTION TESTING AND MAINTENANCE COMPLETE THE INSPECTION AND TESTING FORM IN ITS ENTIRETY SUBMIT A COPY TO THE DISTRICT, ARCHITECT AND DSA DIVISION OF FIRE AND LIFE SAFETY.
- 5.0 OCCUPANCY PROHIBITED TO ANY PORTION OF BUILDING UNTIL FIRE ALARM SYSTEM HAS BEEN TESTED AND APPROVED. CBC 901.5, CFC 901.5.1 RECORD DRAWINGS OF ALL INSPECTION, TEST SHALL BE MAINTAINED ON PREMISES MINIMUM THREE YEARS. CFC 901.6.2 (5 YEARS PER TITLE 14) SMOKE DETECTORS TO UTILIZE CALIBRATED MANUFACTURE SENSITIVITY TEST INSTRUMENT. CFC 907.9.4
- 6.0 CONTRACTOR TO FIELD VERIFY AND PROVIDE DECIBEL METER FOR TESTING OF AMBIENT NOISE LEVELS (MINIMUM 15db ABOVE AMBIENT NOISE LEVELS REQUIRED - SEE NFPA 72 APPENDIX A-6.3.2). INSTALL ADDITIONAL AUDIBLE DEVICE AS NEEDED TO ATTAIN REQUIRED NOISE LEVELS AND INTELLIGIBILITY IN ALL REQUIRED AREAS. PROVIDE UPDATED PLANS AND CALCULATIONS THROUGH THE "CHANGE ORDER" PROCESS WHEN INSTALLING ADDITIONAL DEVICES AND OR EQUIPMENT. INSPECTOR OF RECORD (IOR) TO WITNESS FINAL TEST OF THE SYSTEM. CONTRACTOR(S) TO PROVIDE FINAL TEST RESULTS AND PROVIDE THE "RECORD OF COMPLETION FORM" TO THE ARCHITECT OF RECORD, OWNER, DIVISION OF THE STATE ARCHITECT, INSPECTOR OF RECORD (IOR) AND LOCAL FIRE AUTHORITY (AHL).
- 6.1 FIRE ALARM NOTIFICATION DEVICES WITHIN THE NOTIFICATION ZONE WILL BE SYNCHRONIZED IN ACCORDANCE WITH NFPA 72 3-8.4.1.2.3.
- 6.2 CONTRACTOR SHALL PROVIDE 24 HOUR FIRE WATCH IN CASE EXISTING CAMPUS FIRE ALARM SYSTEM IS SHUTDOWN OR DURING THE DURATION OF THE CONSTRUCTION PHASE (IF APPLICABLE TO THE PROJECT).
- 6.3 EXISTING FIRE ALARM SYSTEM SHALL REMAIN OPERATIONAL DURING THE BUILDING MODERNIZATION CONSTRUCTION UNTIL THE NEW FIRE ALARM SYSTEM IS INSTALLED AND FULLY OPERABLE. UPON COMPLETE FINAL TEST AND APPROVAL OF THE NEW SYSTEM, EXISTING SYSTEM AND ITS DEVICES SHALL BE DISCONNECTED AND REMOVED AS REQUIRED (IF APPLICABLE TO THE PROJECT).

FIRE ALARM SEQUENCE OF OPERATIONS

DEVICE	MANUAL PULL STATION	SMOKE/HEAT DETECTOR	AC POWER FAILURE AT NEW "FACP"	RELAY MODULE
ACTION				
SOUND ALARM AT "FACP"	YES	YES	NO	NO
ACTIVATE RELAY FOR OFF-SITE MONITORING	YES	YES	YES	YES
SOUND TROUBLE BUZZER AT "FACP"	ON WIRING FAULT	ON WIRING FAULT	YES	ON WIRING FAULT
ANNUNCIATE AT "FACP"	YES	YES	YES	YES
NOTIFICATION APPLIANCES VISUAL AND SPEAKER	YES	YES	NO	NO



DEPARTMENT OF GENERAL SERVICES
 DSA Los Angeles Regional Office
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 Los Angeles, California 90012
 ph: (213)897-3955 fx: (213)897-3159/0726

CRESCENTA VALLEY HIGH SCHOOL
 SPORTS MEDICINE MODULAR BLDG.

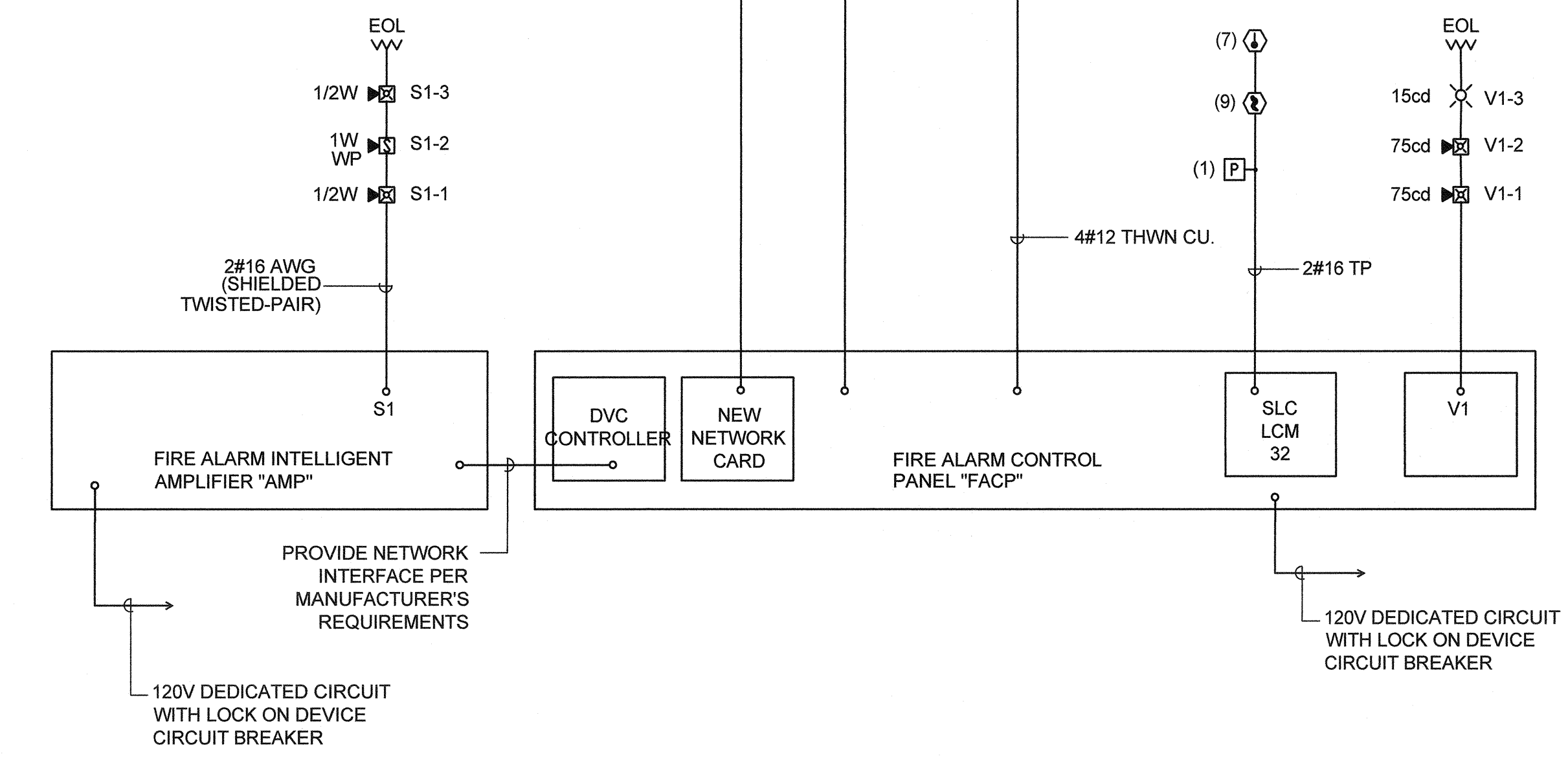
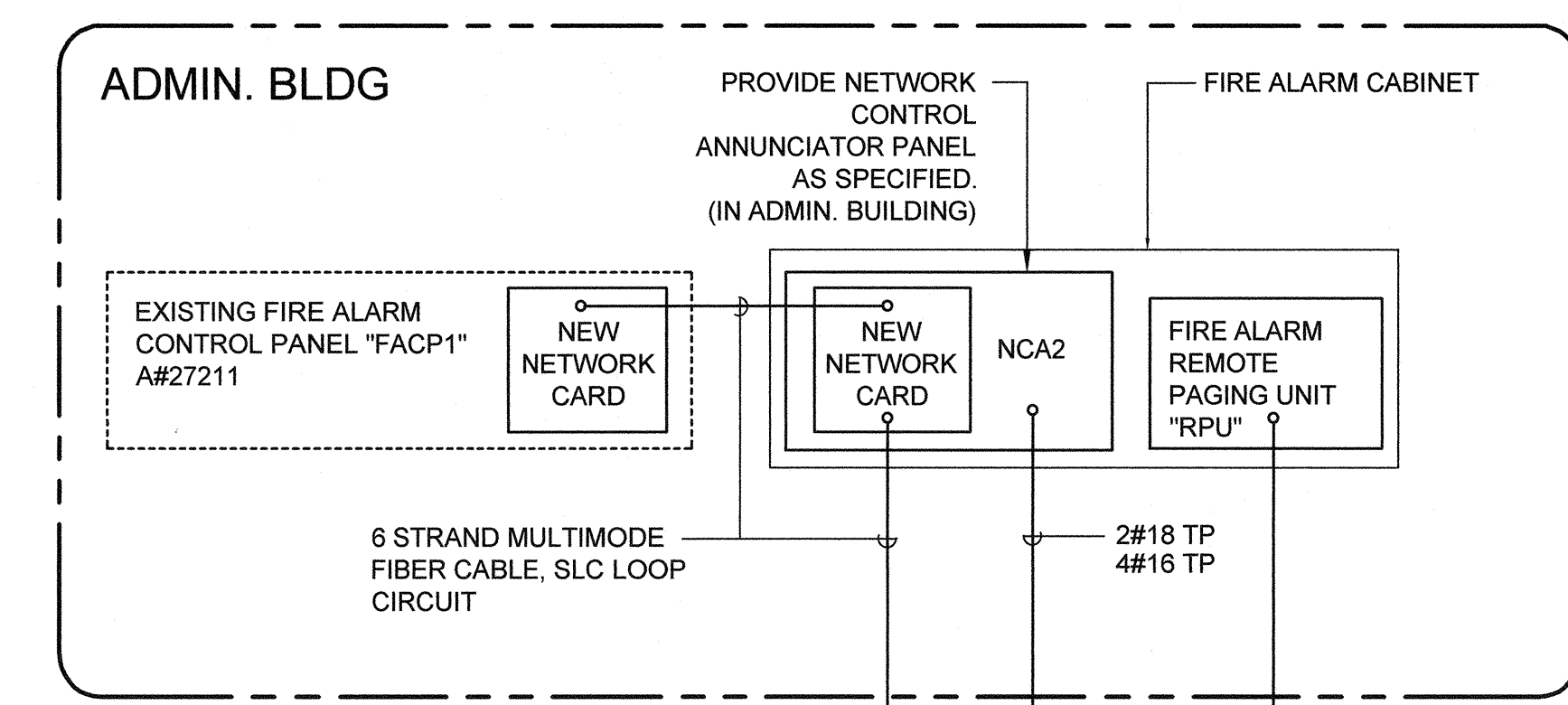
GLENDALE UNIFIED SCHOOL DISTRICT
 2900 COMMUNITY AVENUE
 LA CRESCENTA, CALIFORNIA 91214

IBP project number : 21015.00
 file name:
 drawn by: checked by:
 date: FEBRUARY 05, 2019
 Rev: date: description:

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drawing title:
 FIRE ALARM SYMBOL LIST, NOTES AND DETAILS

drawing no.:
E0-3
 drawing of



FIRE ALARM RISER DIAGRAM SCALE: NONE 1

"FACP" FIRE ALARM BATTERY CALCULATIONS

QTY	DEVICE	STAND BY CURRENT	ALARM CURRENT
1	CPU2-640	0.2500	0.2500
1	CPS-24	0.0000	0.0400
1	KEYBOARD DISPLAY	0.2200	0.2200
1	DVC-EM PROCESSOR	0.3000	0.3000
0	DVC-KD	0.0000	0.0000
1	RM-1 (with DVC-EM)	0.0750	0.0750
1	DAA-5070 AMPLIFIER	0.3500	0.6000
1	NETWORK CARD MODULE	0.1000	0.1000
1	LCM-320 LOOP MODULE	0.2000	0.2000
0	LEM-320 LOOP EXPANDER	0.0000	0.0000
0	SLC DEVICE ACTIVATION	0.0000	0.0000
1	NETWORK ANNUNCIATOR	0.4000	0.2000
9	SMOKE DETECTOR	0.0027	0.0585
7	HEAT DETECTOR	0.0021	0.0455
1	PULL STATION	0.0003	0.0003
1	NAC V1 CKT. LOAD	0.0000	0.2630
TOTAL CURRENTS		1.9001	2.3523
TOTAL STAND-BY CURRENT X 24 HOURS		= 1.9001 X 24 =	45.602 A-HR
TOTAL ALARM CURRENT X 15 MINUTES		= 2.35 X 0.250 =	0.588 A-HR
TOTAL MINIMUM AMP HOURS OF BATTERIES		=	46.190 A-HR
ADDITIONAL 20% DERATING SAFETY FACTOR		=	55.429 A-HR

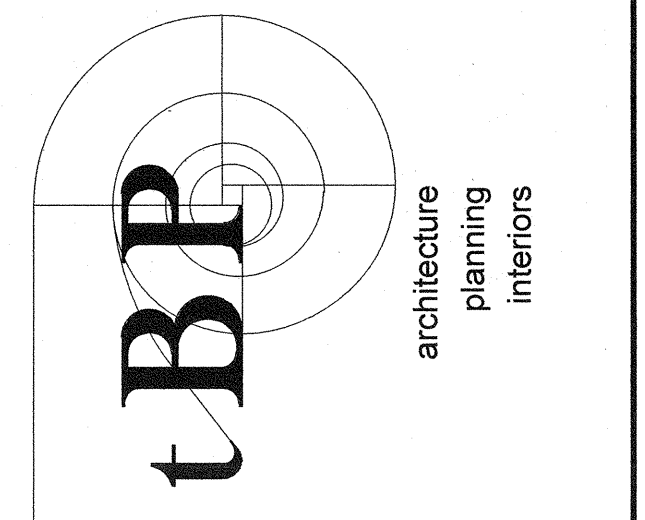
NOTES:
 1. BATTERY CALCULATION SHALL BE BASED ON 24 HOURS OF STAND BY AND 15 MINUTES OF ALARM CURRENT
 2. PROVIDE MINIMUM OF 60 A-HOURS ADDITIONAL STANDBY BATTERY POWER.
 3. PROVIDE ADDITIONAL FIRE ALARM BATTERY TERMINAL CABINET.

**SYSTEM SENSOR (L-SERIES)
VOLTAGE DROP CALCULATION**

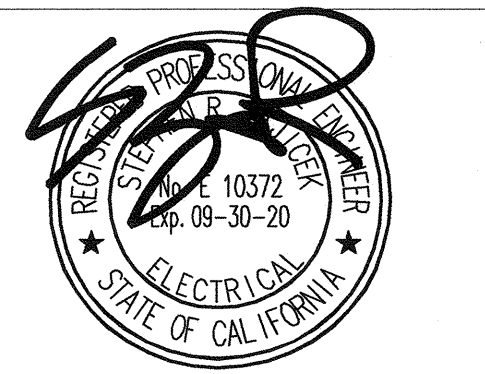
DEVICE	DEVICE CURRENT (AMPS)	SIGNAL FROM		QTY
		V1-1	FACP	
		QTY	CURR.	TOTAL
Ceiling Strobes				
15cd	0.041	1	0.041	1
Ceiling Speaker/Strobes				
75cd	0.111	2	0.222	2
TOTAL CURRENT ON CIRCUIT			0.263	CURR. AMPS
TOTAL WIRE LENGTH			200	FT.
% VOLTAGE DROP			0.72	%
WIRE SIZE		# AWG	12	6530
CIRCUIT LOCATION				MODULAR BLDG

CIRC. MILS	DISTANCE X TOTAL CURR. X 21.6
18 AWG = 1620	VOLTAGE DROP =
16 AWG = 2580	CIRCULAR MILS
14 AWG = 4110	VOLTAGE DROP X 100
12 AWG = 6530	% VOLTAGE DROP =
	24 VOLTS

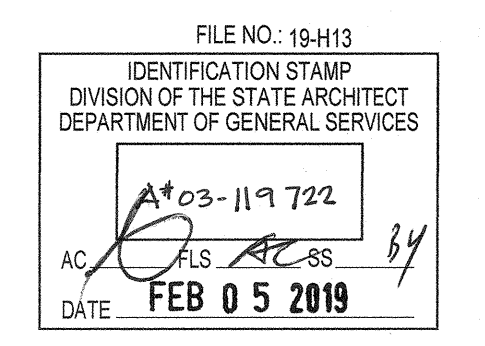
FIRE ALARM BATTERY CALCULATIONS SCALE: NONE 2



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FBA Engineering
 Consulting Electrical Engineers
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 Costa Mesa, CA 92626
 949.852.9955 • 949.852.1657 (fax)
 fbaengr.com
 FBA Job Number: 212.243



DEPARTMENT OF GENERAL SERVICES
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**CRESCENTA VALLEY HIGH SCHOOL
 SPORTS MEDICINE MODULAR BLDG.**

GLENDALE UNIFIED SCHOOL DISTRICT
 2900 COMMUNITY AVENUE
 LA CRESCENTA, CALIFORNIA 91214

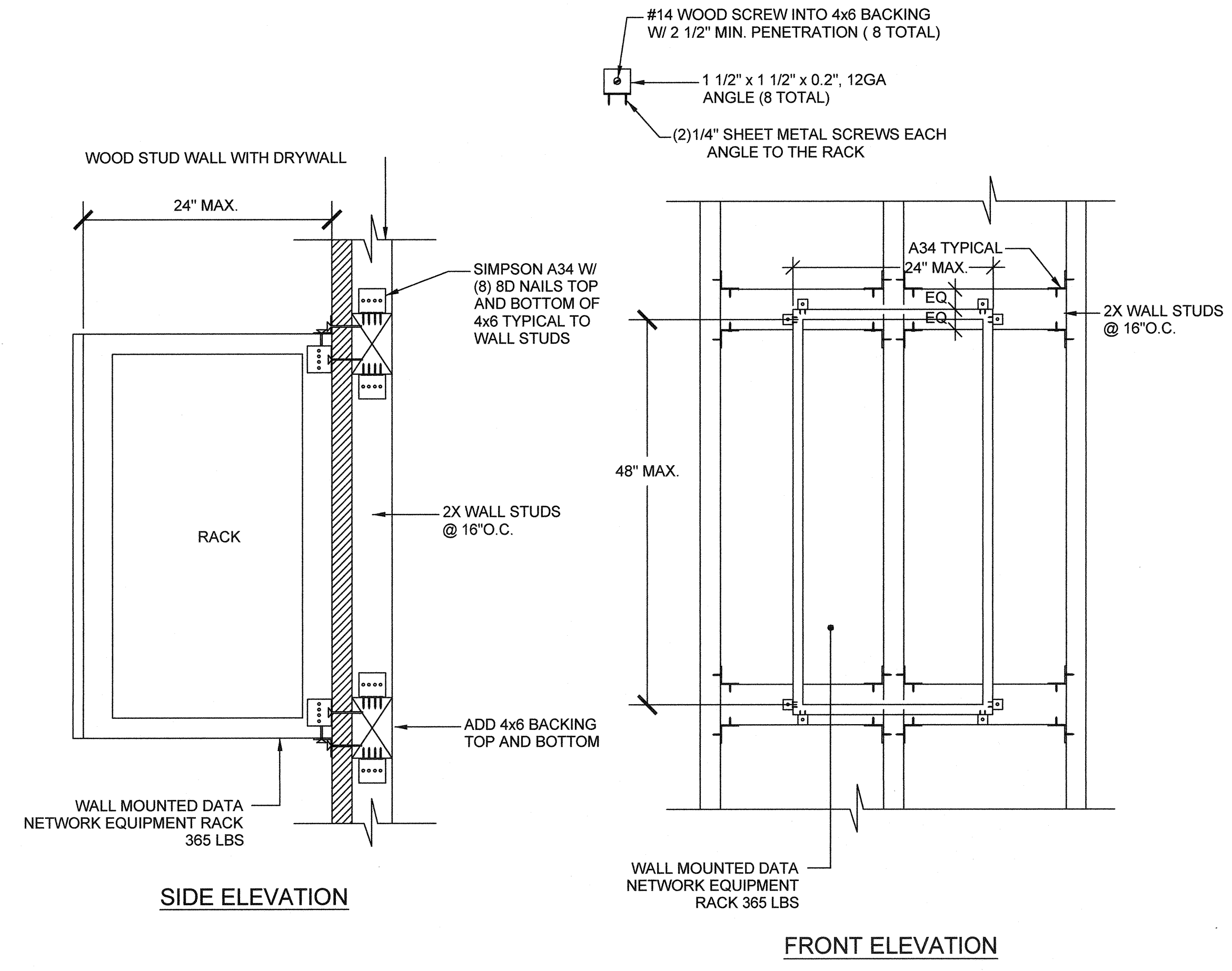
tBP project number : 21015.00

file name:
 drawn by: checked by:
 date: FEBRUARY 05, 2019

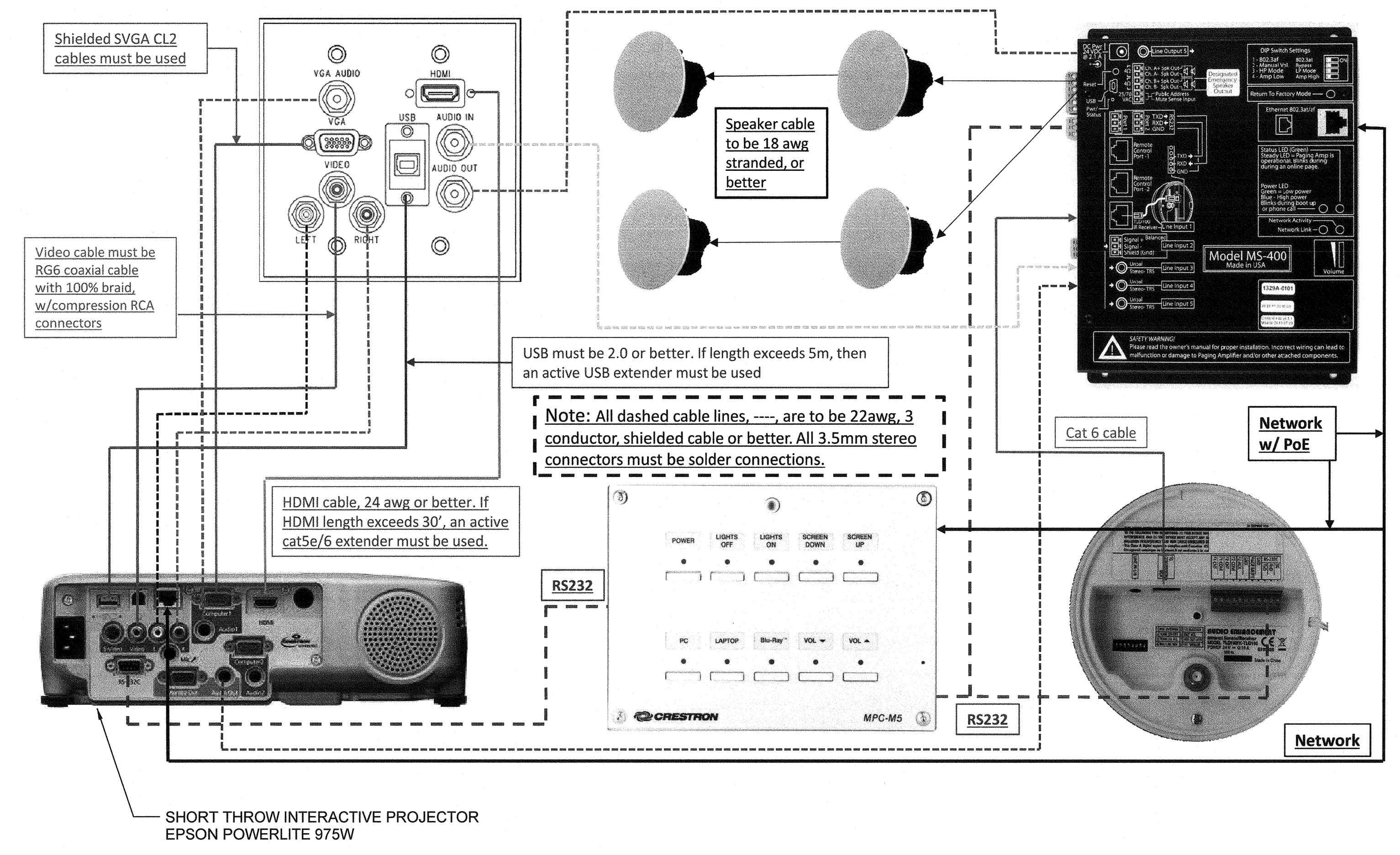
Rev. date: description:

drawing title:
**FIRE ALARM RISER DIAGRAM
 AND CALCULATIONS**

drawing no.:
E0-4
 drawing of

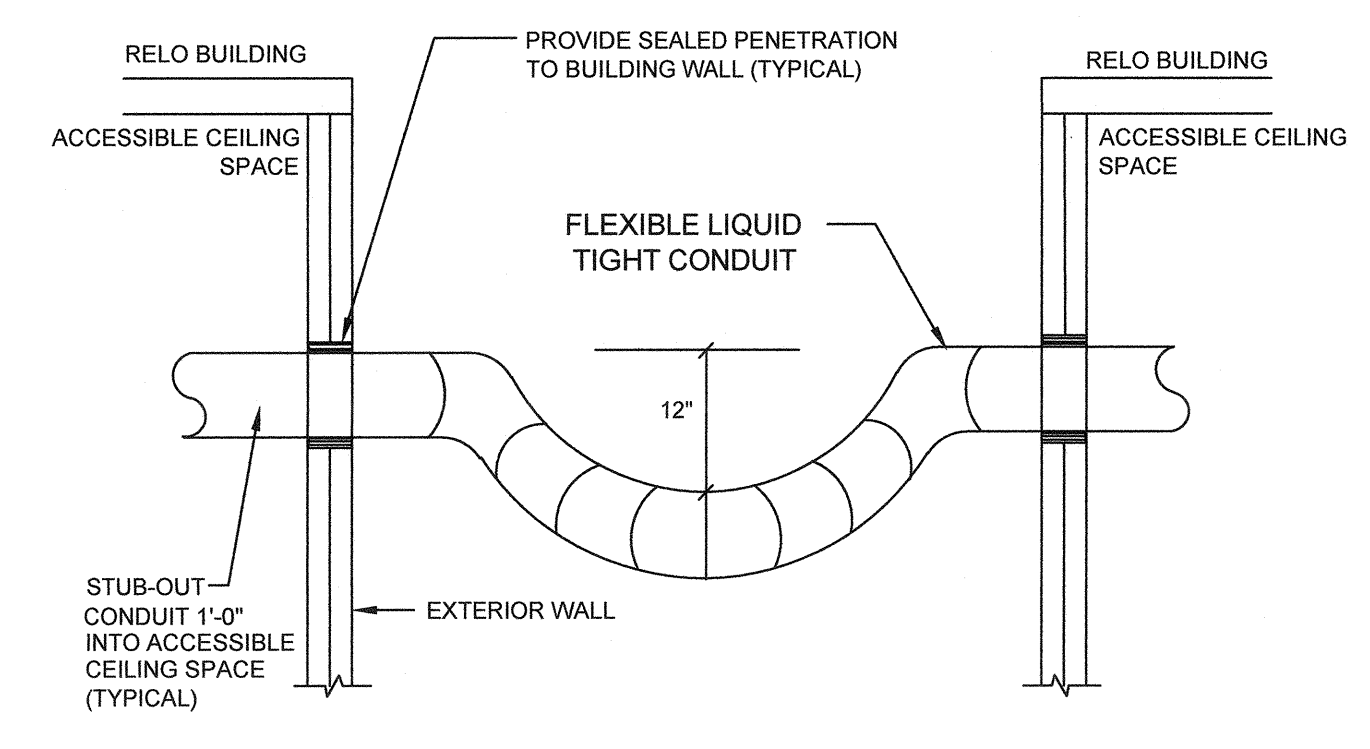


TYPICAL MOUNTED DATA EQUIPMENT RACK SCALE: NONE 3



NOTE:
OWNER FURNISHED/OWNER INSTALLED AUDIO/VIDEO SYSTEM INCLUDING EPSON POWERLITE 975W SHORT THROW INTERACTIVE PROJECTOR, LV COMPONENTS, TEACHERS INPUTS, AND CEILING SPEAKERS. CONTRACTOR TO PROVIDE ALL JUNCTION BOXES AND STUD CONDUITS TO THE CEILING SPACE.

AUDIO/VIDEO SYSTEM (TYPICAL FOR EACH CLASSROOM) SCALE: NONE 1



NOTES:
TO BE USED WHEN CONNECTING TWO BUILDINGS FOR NO MORE THAN 6' SEPARATION. SIZE OF CONDUIT AS REQUIRED. FOR DISTANCES IN EXCESS OF 6' PROVIDE UNDERGROUND INSTALLATION.

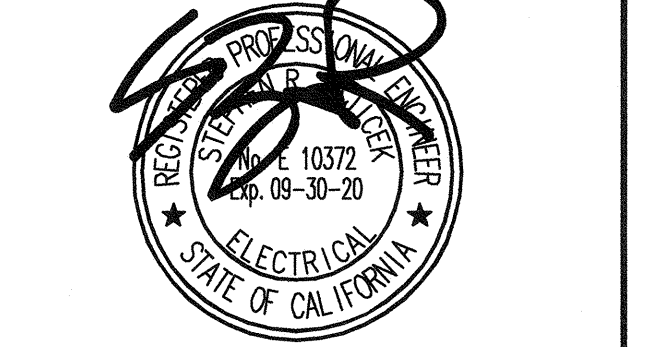
CONDUIT SLEEVE SEISMIC DETAIL SCALE: NONE 2

FBA Engineering / Plot Date: 2/4/2019 9:28 AM / Plotted by: Garen Rignani / Drawing Location: I:\212243\ED-5_212243.dwg

tBP
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planning
interiors

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architect



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150 Piedmont Avenue Suite A100
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fbaengr.com

FBA Job Number: 212-243 consultant

FILE NO: 18-H13
IDENTIFICATION STAMP
DIVISION OF THE STATE ARCHITECT
DEPARTMENT OF GENERAL SERVICES

03-11-19 1222
AC 16 16-16-16
DATE FEB 05 2019

DEPARTMENT OF GENERAL SERVICES
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agency

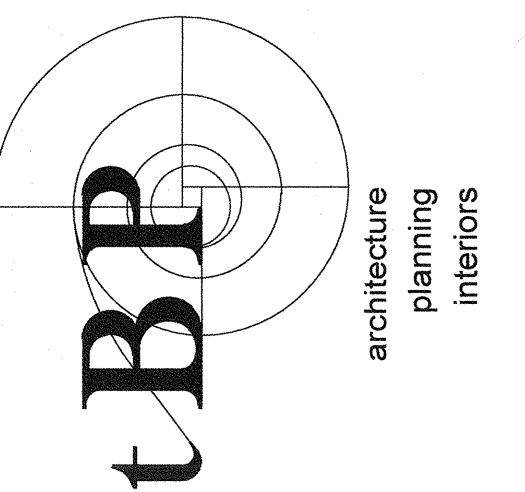
**CRESCENTA VALLEY HIGH SCHOOL
SPORTS MEDICINE MODULAR BLDG.**

owner

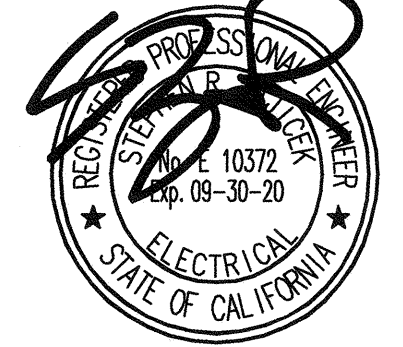
GLENDALE UNIFIED SCHOOL DISTRICT
2900 COMMUNITY AVENUE
LA CRESCENTA, CALIFORNIA 91214

tBP project number : 21015.00
file name:
drawn by: checked by:
date: FEBRUARY 05, 2019
Rev. date: description:
drawing title:
**TYPICAL MODULAR BUILDINGS
ELECTRICAL PLAN AND
DETAILS**
drawing no.:
E0-5
drawing of

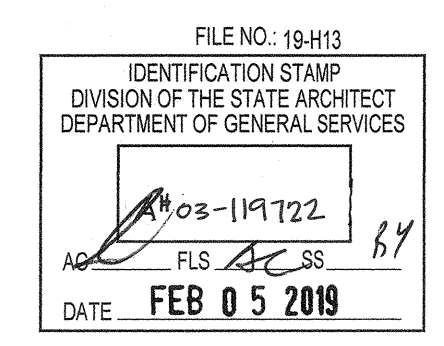
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CRESCENTA VALLEY HIGH SCHOOL
SPORTS MEDICINE MODULAR BLDG.
GLENDALE UNIFIED SCHOOL DISTRICT
2900 COMMUNITY AVENUE
LA CRESCENTA, CALIFORNIA 91214

owner
tBP project number : 21015.00
file name:
drawn by: checked by:
date: FEBRUARY 05, 2019

Rev: date: description:
drawing title:
POWER DISTRIBUTION
TITLE 24

drawing no.:
E0-6
drawing of

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STATE OF CALIFORNIA
Electrical Power Distribution
NRC-C-ELC-4 (Created 5/18)
CERTIFICATE OF COMPLIANCE
Project Name: Crescanta Valley High School Sports Medicine Modular Bldg.
Project Address: 2900 Community Avenue
Report Page: Page 3 of 5
Date Prepared: 2/1/2019

D. EXCEPTIONAL CONDITIONS
This table is auto-filled with uneditable comments because of selections made or data entered in tables throughout the form.
No exceptional conditions apply to this project.

E. ADDITIONAL REMARKS
This table includes remarks made by the permit applicant to the Authority Having Jurisdiction.

F. SERVICE ELECTRICAL METERING
Table Instructions: Complete the table below for new or replacement electrical service systems OR equipment to demonstrate compliance with §130.5(a).

01	02	03	04	05
Electrical Service Designation/Description	Rating (kVA)	Required Metering Capabilities per Table 130.5-A	Location of Requirements in Construction Documents	Field Inspector
Distribution Panel "DPR"	5	Instantaneous Demand (kW) [x] Historical Peak Demand (kW) [] Tracking kWh for user-defined period [x] kWh per rate period []	ED-2	Pass [x] Fail []

G. SEPARATION OF ELECTRICAL CIRCUITS FOR ENERGY MONITORING
Table Instructions: Complete this table for entirely new or complete replacement electrical power distribution systems to demonstrate compliance with §130.5(b). Using the dropdown choices in column 01, indicate the load types included for each service. Any load types that are not included in the service do not need to be shown.

01	02	03	04	05
Load Type per Table 130.5-B	Minimum Required Separation of Load per Table 130.5-B	Compliance Method	Location of Requirements in Construction Documents	Field Inspector
Plug Loads and appliances < 25kVA		Method 1	E1-1	Pass [x] Fail []

H. VOLTAGE DROP
Table Instructions: Please complete this table for entirely new or complete replacement electrical power distribution systems, or alterations that add, modify or replace both feeders and branch circuits to demonstrate compliance with §130.5(c). For alterations, only the altered circuits must demonstrate compliance per §141.0(b)(2P).

01	02	03	04	05
Electrical Service Designation/Description	Combined Voltage Drop on Installed Feeder/Branch Circuit Conductors Compliance Method	Location of Voltage Drop Calculations	Sheet Number for Voltage Drop Calculations in Construction Documents	Field Inspector
Distribution Panel "DPR"	[x] Voltage drop < 5% [] Permitted by CA Elec Code (Exception to §130.5(c)) [] Permitted by CA Elec Code (Exception to §130.5(c)) []	In construction documents	ED-2	Pass [x] Fail []
Panel "A"	[x] Voltage drop < 5% [] Permitted by CA Elec Code (Exception to §130.5(c)) [] Permitted by CA Elec Code (Exception to §130.5(c)) []	In construction documents	ED-2	Pass [x] Fail []
Panel "B"	[x] Voltage drop < 5% [] Permitted by CA Elec Code (Exception to §130.5(c)) [] Permitted by CA Elec Code (Exception to §130.5(c)) []	In construction documents	ED-2	Pass [x] Fail []

I. CIRCUIT CONTROLS FOR 120-VOLT RECEPTACLES AND CONTROLLED RECEPTACLES
Table Instructions: Please complete this table for entirely new or complete replacement electrical power distribution systems to demonstrate compliance with §130.5(d). Both controlled and uncontrolled receptacles must be provided in office areas, lobbies, conference rooms, kitchen areas in office spaces, copy rooms and hotel/motel guest rooms.
Table Continued

STATE OF CALIFORNIA
Electrical Power Distribution
NRC-C-ELC-4 (Created 5/18)
CERTIFICATE OF COMPLIANCE
Project Name: Crescanta Valley High School Sports Medicine Modular Bldg.
Project Address: 2900 Community Avenue
Report Page: Page 2 of 5
Date Prepared: 2/1/2019

D. EXCEPTIONAL CONDITIONS
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No exceptional conditions apply to this project.

E. ADDITIONAL REMARKS
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F. SERVICE ELECTRICAL METERING
Table Instructions: Complete the table below for new or replacement electrical service systems OR equipment to demonstrate compliance with §130.5(a).

01	02	03	04	05
Electrical Service Designation/Description	Rating (kVA)	Required Metering Capabilities per Table 130.5-A	Location of Requirements in Construction Documents	Field Inspector
Distribution Panel "DPR"	5	Instantaneous Demand (kW) [x] Historical Peak Demand (kW) [] Tracking kWh for user-defined period [x] kWh per rate period []	ED-2	Pass [x] Fail []

G. SEPARATION OF ELECTRICAL CIRCUITS FOR ENERGY MONITORING
Table Instructions: Complete this table for entirely new or complete replacement electrical power distribution systems to demonstrate compliance with §130.5(b). Using the dropdown choices in column 01, indicate the load types included for each service. Any load types that are not included in the service do not need to be shown.

01	02	03	04	05
Load Type per Table 130.5-B	Minimum Required Separation of Load per Table 130.5-B	Compliance Method	Location of Requirements in Construction Documents	Field Inspector
Plug Loads and appliances < 25kVA		Method 1	E1-1	Pass [x] Fail []

H. VOLTAGE DROP
Table Instructions: Please complete this table for entirely new or complete replacement electrical power distribution systems, or alterations that add, modify or replace both feeders and branch circuits to demonstrate compliance with §130.5(c). For alterations, only the altered circuits must demonstrate compliance per §141.0(b)(2P).

01	02	03	04	05
Electrical Service Designation/Description	Combined Voltage Drop on Installed Feeder/Branch Circuit Conductors Compliance Method	Location of Voltage Drop Calculations	Sheet Number for Voltage Drop Calculations in Construction Documents	Field Inspector
Distribution Panel "DPR"	[x] Voltage drop < 5% [] Permitted by CA Elec Code (Exception to §130.5(c)) [] Permitted by CA Elec Code (Exception to §130.5(c)) []	In construction documents	ED-2	Pass [x] Fail []
Panel "A"	[x] Voltage drop < 5% [] Permitted by CA Elec Code (Exception to §130.5(c)) [] Permitted by CA Elec Code (Exception to §130.5(c)) []	In construction documents	ED-2	Pass [x] Fail []
Panel "B"	[x] Voltage drop < 5% [] Permitted by CA Elec Code (Exception to §130.5(c)) [] Permitted by CA Elec Code (Exception to §130.5(c)) []	In construction documents	ED-2	Pass [x] Fail []

I. CIRCUIT CONTROLS FOR 120-VOLT RECEPTACLES AND CONTROLLED RECEPTACLES
Table Instructions: Please complete this table for entirely new or complete replacement electrical power distribution systems to demonstrate compliance with §130.5(d). Both controlled and uncontrolled receptacles must be provided in office areas, lobbies, conference rooms, kitchen areas in office spaces, copy rooms and hotel/motel guest rooms.
Table Continued

STATE OF CALIFORNIA
Electrical Power Distribution
NRC-C-ELC-4 (Created 5/18)
CERTIFICATE OF COMPLIANCE
Project Name: Crescanta Valley High School Sports Medicine Modular Bldg.
Project Address: 2900 Community Avenue
Report Page: Page 5 of 5
Date Prepared: 2/1/2019

DOCUMENTATION AUTHOR'S DECLARATION STATEMENT
Documentation Author Name: Steve R. Zajick
Documentation Author Signature: [Signature]
Company: FBA Engineering
Signature Date: 2/1/2019
Address: 150 Paularino Avenue Suite A120
CEA/HERS Certification Identification (if applicable):
City/State/Zip: Costa Mesa, California 92626
Phone: 9498529995

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 on 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 (responsible 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 builder provides to the building owner at occupancy.

Responsible Designer Name: Stephen R. Zajick
Responsible Designer Signature: [Signature]
Company: FBA Engineering
Date Signed: 2/1/2019
Address: 150 Paularino Avenue
License: E10372
City/State/Zip: Costa Mesa, CA 92626
Phone: 949-852-9995

SHORT CIRCUIT AND VOLTAGE DROP CALCULATIONS

FEEDERS	DESIGNATION	FEEDER LENGTH (ft)	PHASE φ	CONDUCTORS			CONDUIT MAG=1 NON=2	L-L VOLTAGE	L-N VOLTAGE	STARTING I _{sc}	FEEDER AMPACITY	BUS AVAILABLE I _{sc} 3 φ	BUS AVAILABLE I _{sc} 1 φ L-L	BUS AVAILABLE I _{sc} 1 φ L-N	VOLTAGE DROP %
				Cu	SIZE	PARALLEL RUNS									
	Panel "P1"	40	3	Cu	#1	1	2	208	120	65,000	63	16,712	N/A	N/A	0.32
	Panel "P2"	50	3	Cu	#1	1	2	208	120	65,000	63	14,094	N/A	N/A	0.41

STATE OF CALIFORNIA
Electrical Power Distribution
NRC-C-ELC-4 (Created 5/18)
CERTIFICATE OF COMPLIANCE
Project Name: Crescanta Valley High School Sports Medicine Modular Bldg.
Project Address: 2900 Community Avenue
Report Page: Page 1 of 5
Date Prepared: 2/1/2019

A. GENERAL INFORMATION
01 Project Location (city): La Crescanta
02 Occupancy Types Within Project:
 Office Retail Warehouse Hotel/ Motel School Support Areas
 Parking Garage High-Rise Residential Relocatable Other (Write in):

B. PROJECT SCOPE
Table Instructions: Include any electrical service systems that are within the scope of the permit application.

01	02	03	04	05
Electrical Service Designation/Description	Scope of Work	Rating (kVA)	Utility Provided Metering System Exception to §130.5(a)?	Demand Response Controls
Distribution Panel "DPR"	5	83	[]	Where required, demand response controls must be specified which are capable of receiving and automatically responding to at least one standards based messaging protocol which enables demand response after receiving a demand response signal. Sections §130.2, §130.3 and §130.3 and compliance documents NRC-C-MCH, NRC-C-LT and NRC-C-LTS will indicate when demand response controls are required.
Panel "A"	5	20	[]	
Panel "B"	5	20	[]	

C. COMPLIANCE RESULTS
Table Instructions: If this table says "DOES NOT COMPLY" refer to Table D, for guidance and review the Table that indicates "No".

01	02	03	04	05				
Service Electrical Metering §130.5(a)	AND	Separation for Monitoring §130.5(b)	AND	Voltage Drop §130.5(c)	AND	Controlled Receptacles §130.5(d)	AND	Compliance Results
[x] (See Table F)	AND	[x] (See Table G)	AND	[x] (See Table H)	AND	[x] (See Table I)	AND	COMPLIES

CA Building Energy Efficiency Standards - 2016 Nonresidential Compliance: <http://www.energy.ca.gov/title24/2016standards> May 2018

STATE OF CALIFORNIA
Electrical Power Distribution
NRC-C-ELC-4 (Created 5/18)
CERTIFICATE OF COMPLIANCE
Project Name: Crescanta Valley High School Sports Medicine Modular Bldg.
Project Address: 2900 Community Avenue
Report Page: Page 4 of 5
Date Prepared: 2/1/2019

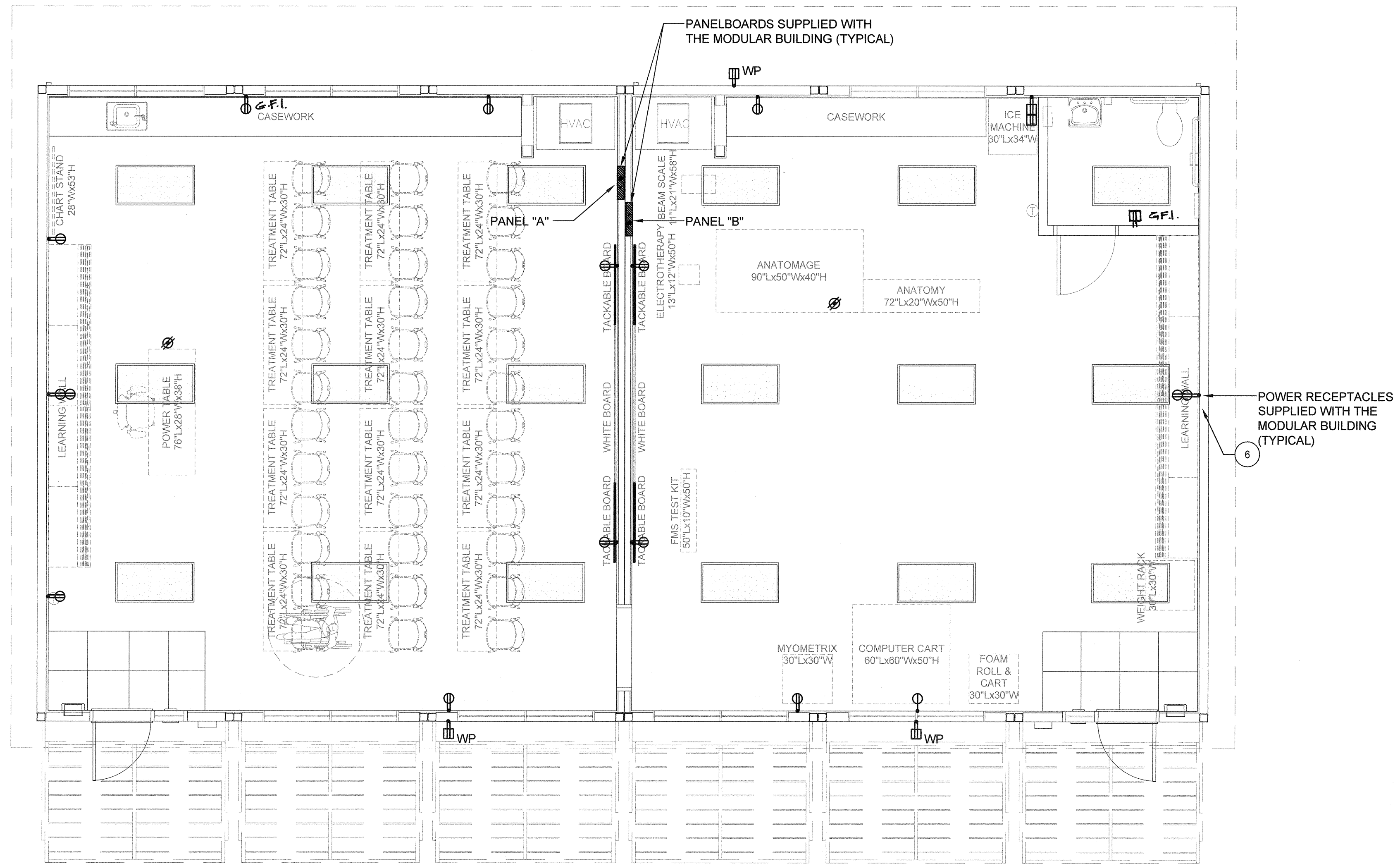
01	02	03	04	05	06
Electrical Service Designation/Description	Location/Type of Controlled Receptacles	Shut-Off Controls	Permanent Durable Marking Will be Used	Location of Requirements in Construction Documents	Field Inspector
	Within 6ft of uncontrolled receptacles	Occupancy Sensor	[]	E1-1	Pass [x] Fail []

J. DECLARATION OF REQUIRED CERTIFICATES OF INSTALLATION
Table Instructions: Selections have been made based on information provided in previous tables of this document. If any selection needs to be changed, please explain why in Table E, Additional Remarks. These documents must be provided to the building inspector during construction and can be found online at <http://www.energy.ca.gov/2015publications/C-EC-400-2015-033/appendices/forms/NRC>

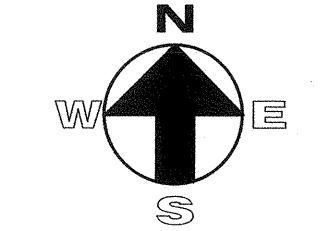
YES	NO	Form/Title	Field Inspector
[x]	[]	NRC-ELC-01-E - Must be submitted for all buildings.	Pass [x] Fail []

K. DECLARATION OF REQUIRED CERTIFICATES OF ACCEPTANCE
There are no Certificates of Acceptance applicable to electrical power distribution requirements.

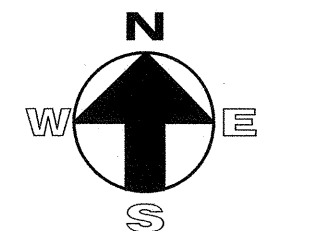
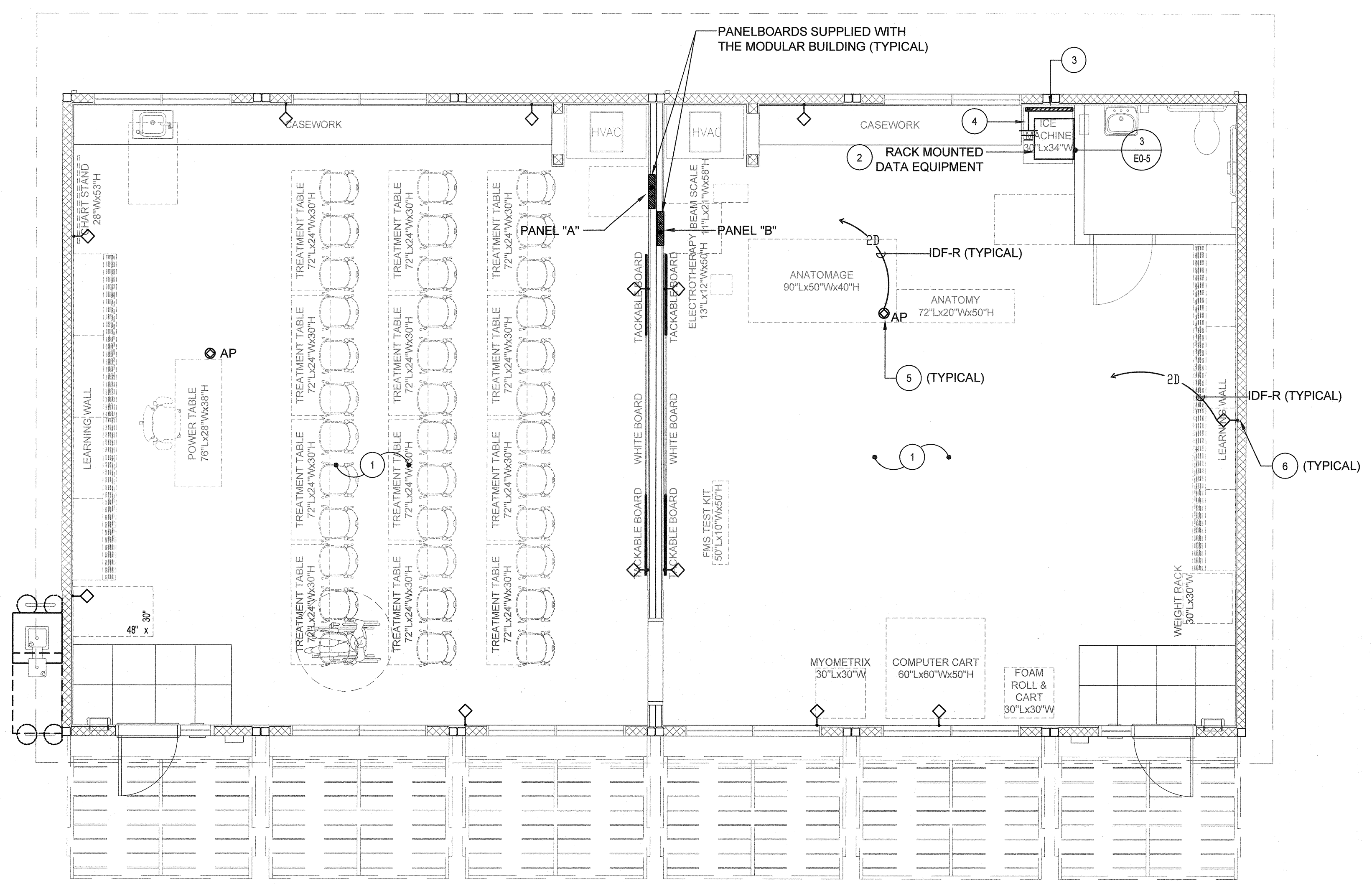
CA Building Energy Efficiency Standards - 2016 Nonresidential Compliance: <http://www.energy.ca.gov/title24/2016standards> May 2018



- KEY NOTES:**
- 1 PROVIDE COMPLETE CLASSROOM AUDIO VISUAL SYSTEMS IN ACCORDANCE WITH 1/E0.5 AND THE SPECIFICATIONS.
 - 2 PROVIDE WALL MOUNTED RACK FOR DISTRICT PROVIDED NETWORK EQUIPMENT. MOUNT HIGH ON WALL.
 - 3 PROVIDE 4' x 4' x 3/4" THICK PLYWOOD BACKBOARD, HIGH ON WALL. PRINT TO MATCH SURROUNDINGS.
 - 4 PROVIDE TERMINAL GROUND BUS AND #6 GRD. - 1" C. TO APPROVED GROUNDING LOCATION.
 - 5 PROVIDE TWO PORT DATA NETWORK OUTLET AT CEILING FOR DISTRICT PROVIDED WIRELESS ACCESS POINT.
 - 6 PROVIDE TWO PORT DATA NETWORK AND CONNECTOR AND COVERPLATE AND TWO (2) DATA NETWORK CABLES AS SPECIFIED TO THE IDF.



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



MODULAR BUILDING TELECOM PLAN SCALE: 1/4" = 1'-0" 2

FBA Engineering / Plot Date: 2/4/2019 9:28 AM / Plotted by: Garren Riganan / Drawing Location: I:\21243\E1-1_21243.dwg

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planning
interiors
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Consulting Electrical Engineers
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949.832.9958 • fax: 949.1657.1840
fbagr.com

FILE NO: 19-H13
CONSULTANT

IDENTIFICATION STAMP
DIVISION OF THE STATE ARCHITECT
DEPARTMENT OF GENERAL SERVICES

AC: [Signature] RLS: [Signature] BY: [Signature]
DATE: FEB 05 2019

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

AGENCY

**CRESCENTA VALLEY HIGH SCHOOL
SPORTS MEDICINE MODULAR BLDG.**

owner

GLENDALE UNIFIED SCHOOL DISTRICT
2900 COMMUNITY AVENUE
LA CRESCENTA, CALIFORNIA 91214

tBP project number : 21015.00

file name:

drawn by: checked by:

date: FEBRUARY 05, 2019

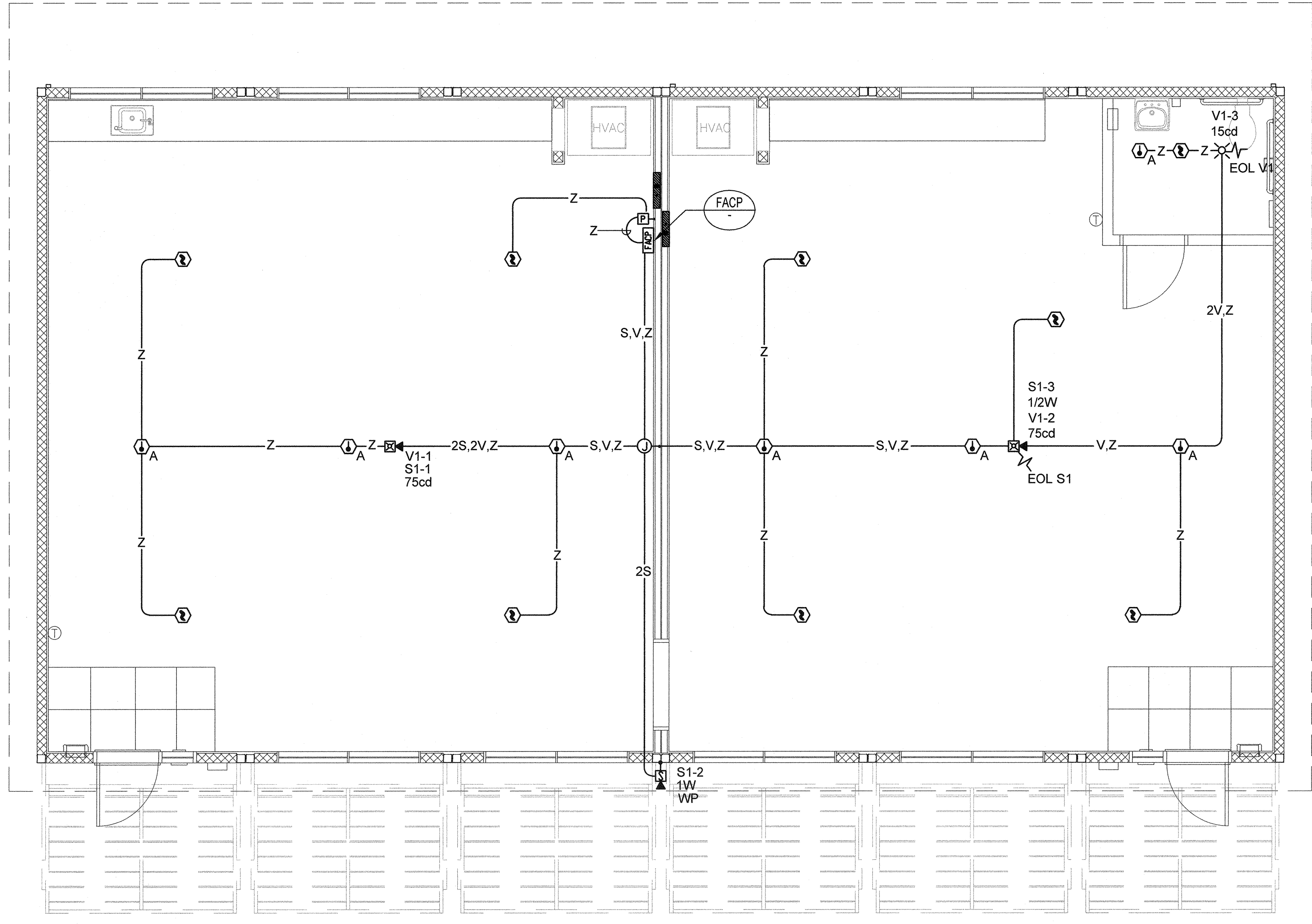
Rev. date: description:

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drawing title:
**ENLARGED BUILDING
ELECTRICAL PLANS**

drawing no.:
E1-1
drawing of

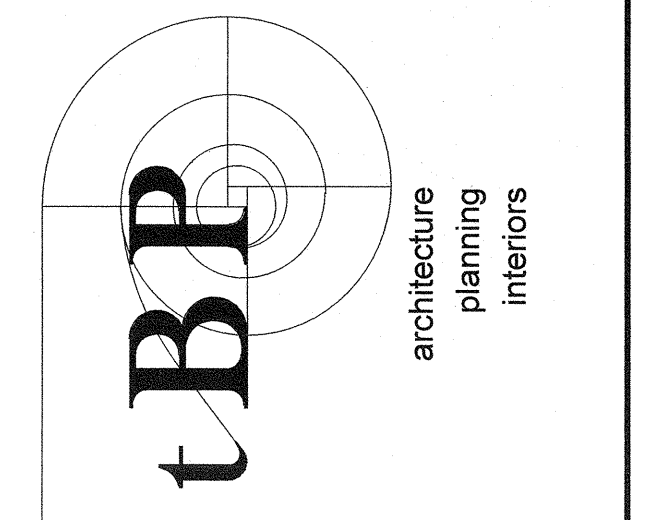
FBA Engineering / Plot Date: 2/4/2019 9:28 AM / Plotted by: Garren Rignman / Drawing Location: I:\212243\E1-2_212243.dwg



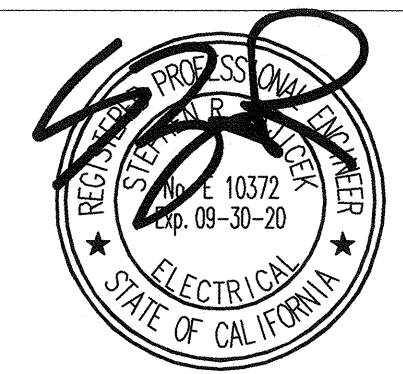
FIRE ALARM CONDUIT SCHEDULE		
SYMBOL	CONDUCTORS	SIZE
Z	2#16 UNSHIELDED TWISTED-PAIR INITIATING CIRCUIT	3/4" C.
V	2#12 AWG THIN VISUAL CIRCUIT	3/4" C.
S	2#14 AWG THIN SPEAKER CIRCUIT (SHIELDED TWISTED-PAIR)	3/4" C.
2V	4#12 AWG VISUAL CIRCUIT	3/4" C.
2S	4#18 AWG SPEAKER CIRCUIT (SHIELDED TWISTED-PAIR)	3/4" C.
Z, 2V, 2S	MULTIPLE CONDUCTORS SHALL BE SHARED	1" C.

MODULAR BUILDING FIRE ALARM PLAN SCALE: 1/4" = 1'-0" 1

KEY NOTES



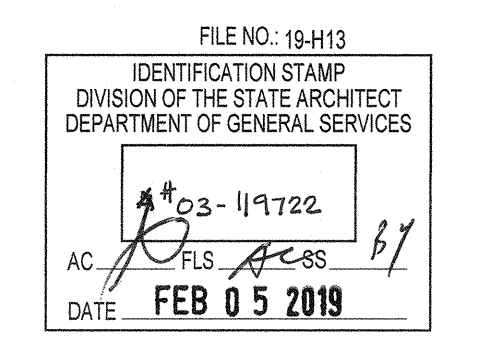
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architect



FBA Engineering

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consultant



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agency

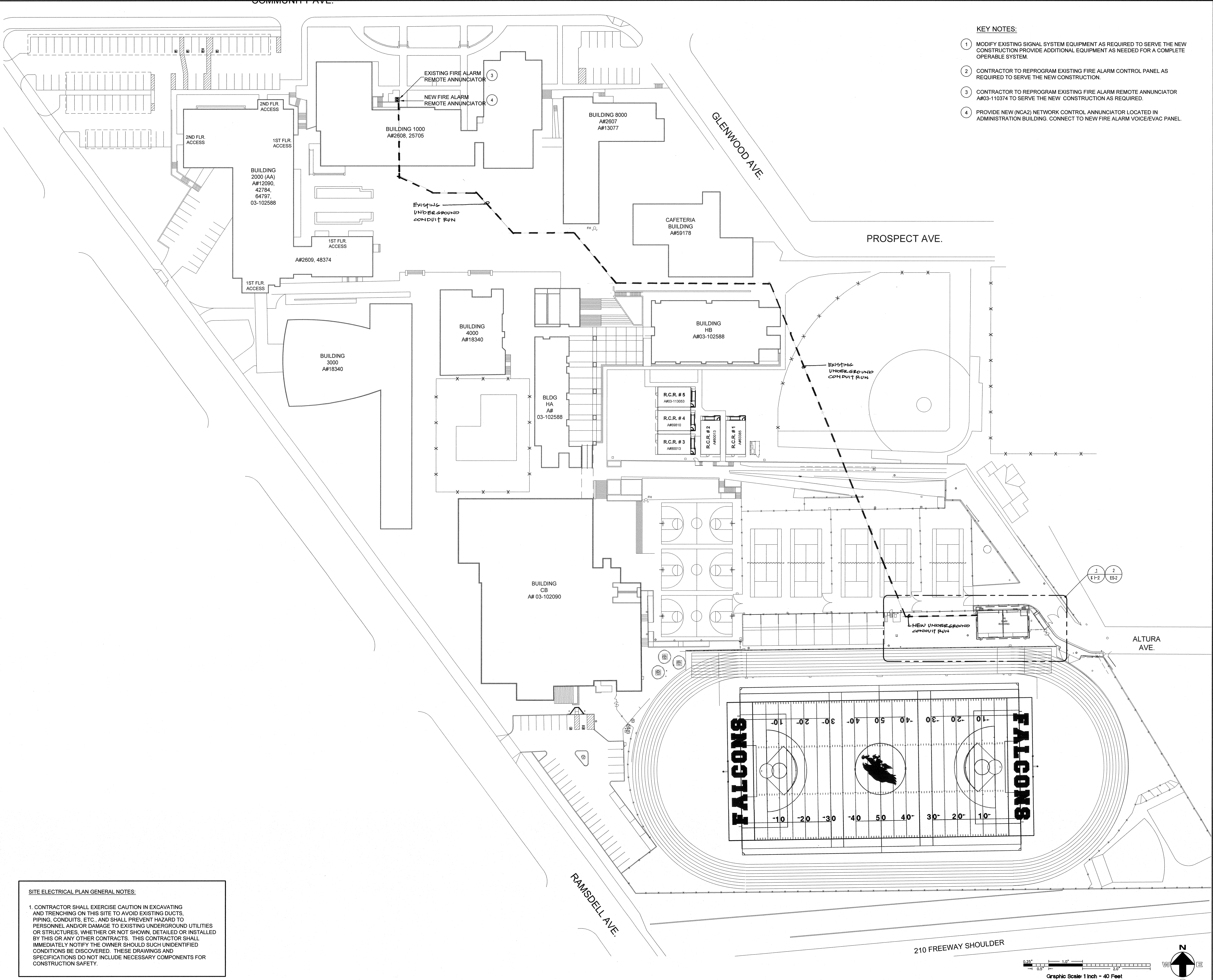
**CRESCENTA VALLEY HIGH SCHOOL
SPORTS MEDICINE MODULAR BLDG.**
GLENDALE UNIFIED SCHOOL DISTRICT
2900 COMMUNITY AVENUE
LA CRESCENTA, CALIFORNIA 91214
owner

tBP project number:	21015.00	
file name:		
drawn by:	checked by:	
date:	FEBRUARY 05, 2019	
Rev.	date:	description:

drawing title:
**ENLARGED BUILDING FIRE
ALARM PLAN**

drawing no.:
E1-2
drawing of

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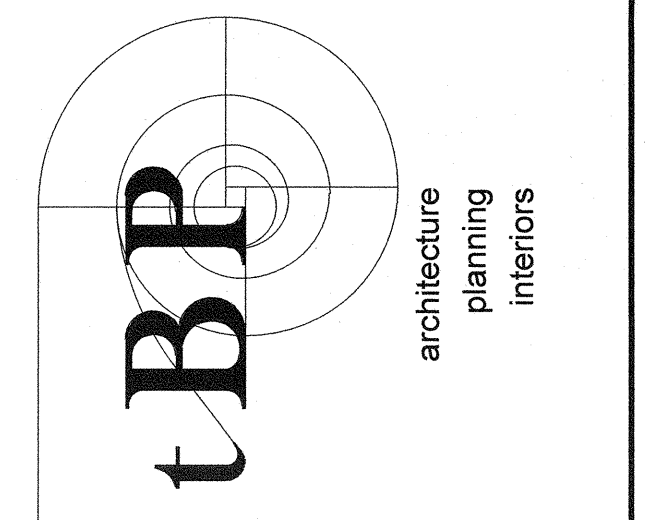


KEY NOTES:

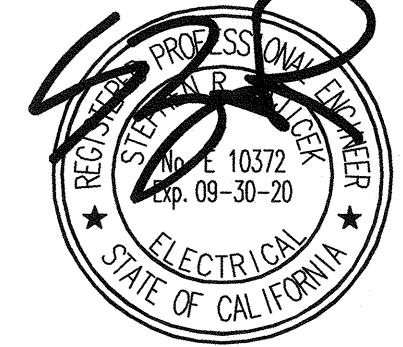
1. MODIFY EXISTING SIGNAL SYSTEM EQUIPMENT AS REQUIRED TO SERVE THE NEW CONSTRUCTION PROVIDE ADDITIONAL EQUIPMENT AS NEEDED FOR A COMPLETE OPERABLE SYSTEM.
2. CONTRACTOR TO REPROGRAM EXISTING FIRE ALARM CONTROL PANEL AS REQUIRED TO SERVE THE NEW CONSTRUCTION.
3. CONTRACTOR TO REPROGRAM EXISTING FIRE ALARM REMOTE ANNUNCIATOR A#03-110374 TO SERVE THE NEW CONSTRUCTION AS REQUIRED.
4. PROVIDE NEW (NCA2) NETWORK CONTROL ANNUNCIATOR LOCATED IN ADMINISTRATION BUILDING. CONNECT TO NEW FIRE ALARM VOICE/EVAC PANEL.

SITE ELECTRICAL PLAN GENERAL NOTES:

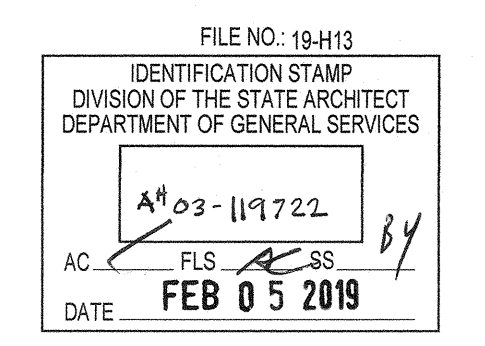
1. CONTRACTOR SHALL EXERCISE CAUTION IN EXCAVATING AND TRENCHING ON THIS SITE TO AVOID EXISTING DUCTS, PIPING, CONDUITS, ETC., AND SHALL PREVENT HAZARD TO PERSONNEL AND/OR DAMAGE TO EXISTING UNDERGROUND UTILITIES OR STRUCTURES, WHETHER OR NOT SHOWN, DETAILED OR INSTALLED BY THIS OR ANY OTHER CONTRACTS. THIS CONTRACTOR SHALL IMMEDIATELY NOTIFY THE OWNER SHOULD SUCH UNIDENTIFIED CONDITIONS BE DISCOVERED. THESE DRAWINGS AND SPECIFICATIONS DO NOT INCLUDE NECESSARY COMPONENTS FOR CONSTRUCTION SAFETY.



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architect



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tel: 949.269.1100 fax: 949.262.1657 (fax)
fbaengr.com
FBA Job Number: 212.243 consultant



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Los Angeles, California 90012
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agency

**CRESCENTA VALLEY HIGH SCHOOL
SPORTS MEDICINE MODULAR BLDG.**
GLENDALE UNIFIED SCHOOL DISTRICT
2900 COMMUNITY AVENUE
LA CRESCENTA, CALIFORNIA 91214
owner

tBP project number :	21015.00
file name:	
drawn by:	checked by:
date:	FEBRUARY 05, 2019
Rev. date:	description:

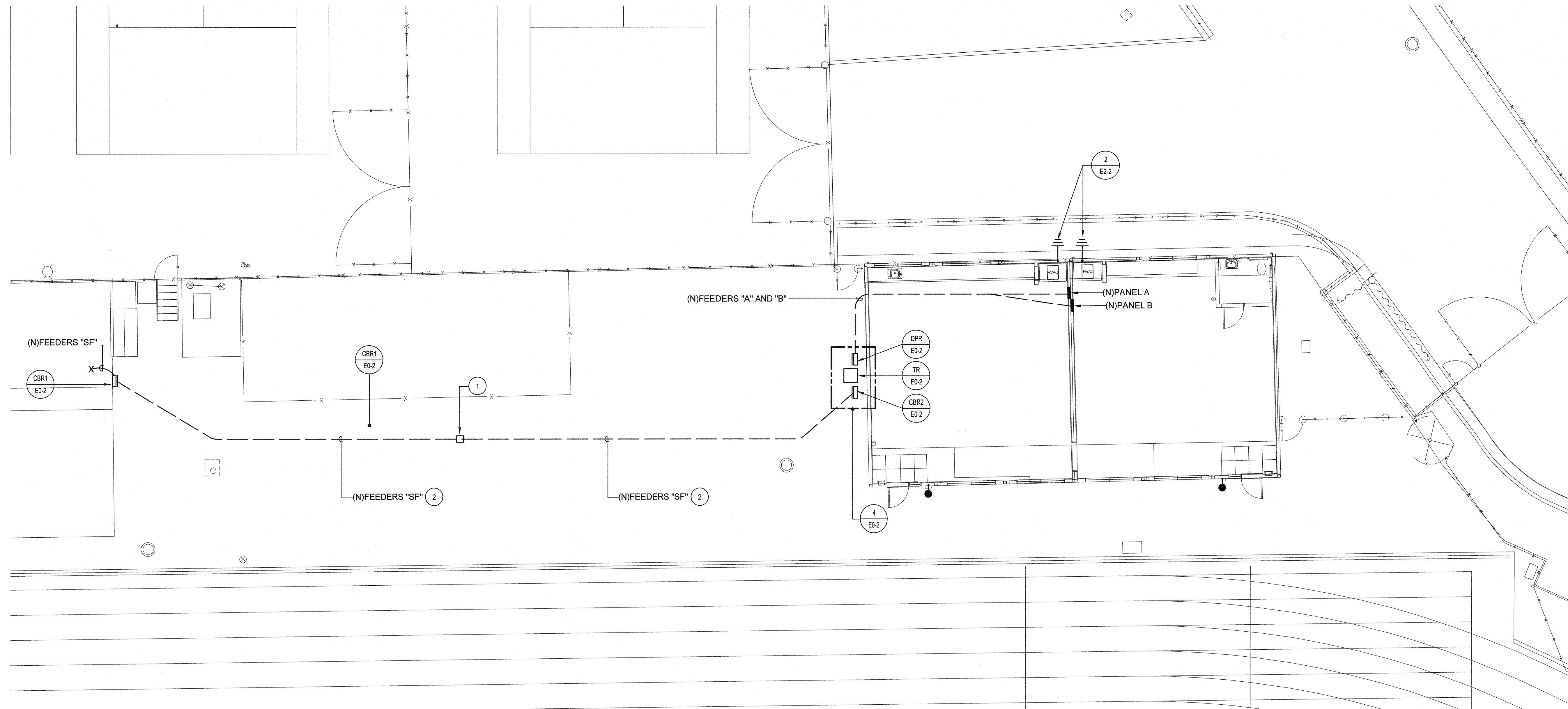
drawing title:
OVERALL SITE ELECTRICAL PLAN

drawing no.:
ES-1
drawing of

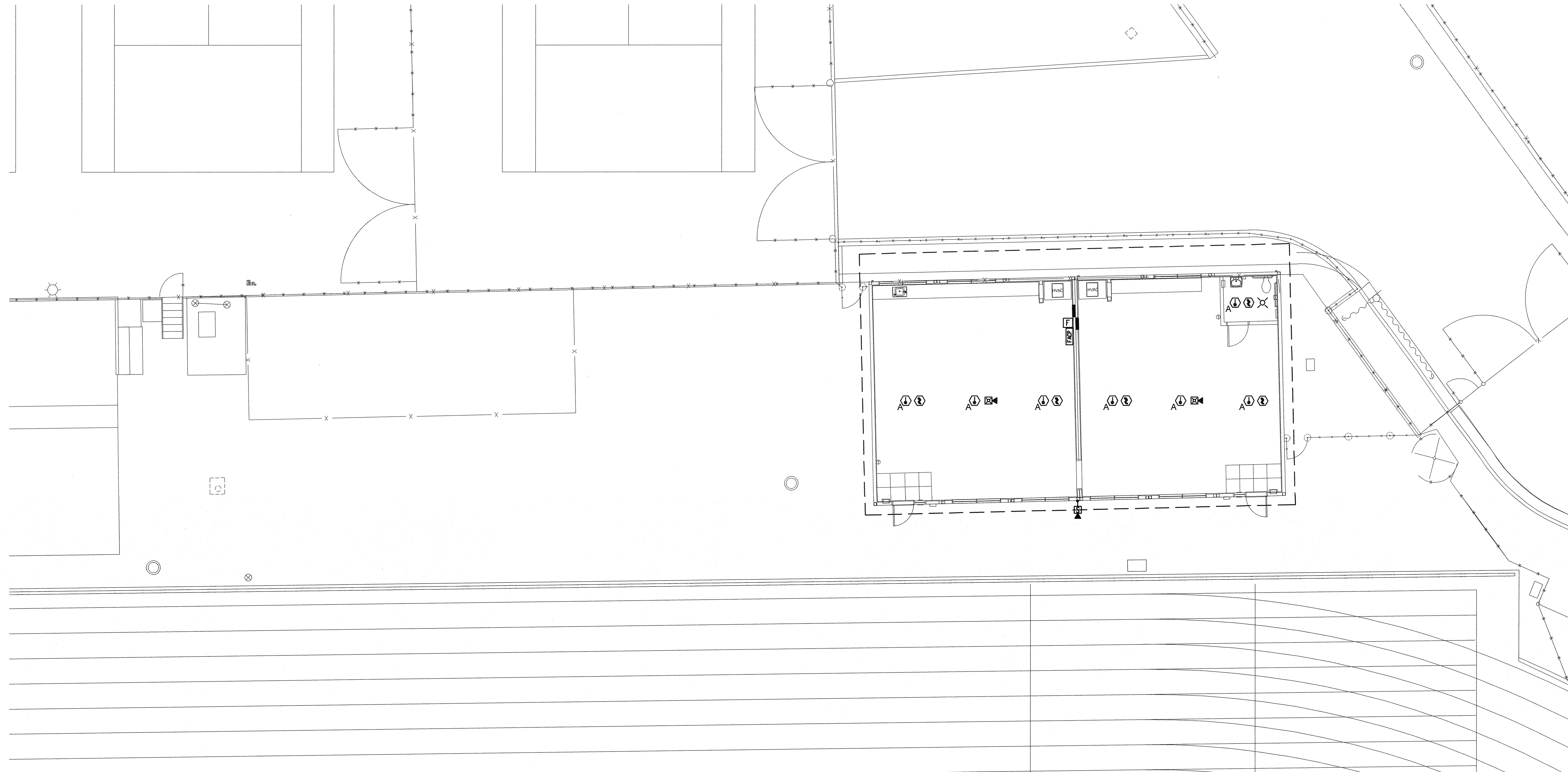
210 FREEWAY SHOULDER

Graphic Scale: 1 Inch = 40 Feet

SCALE: 1" = 40'-0" 1



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

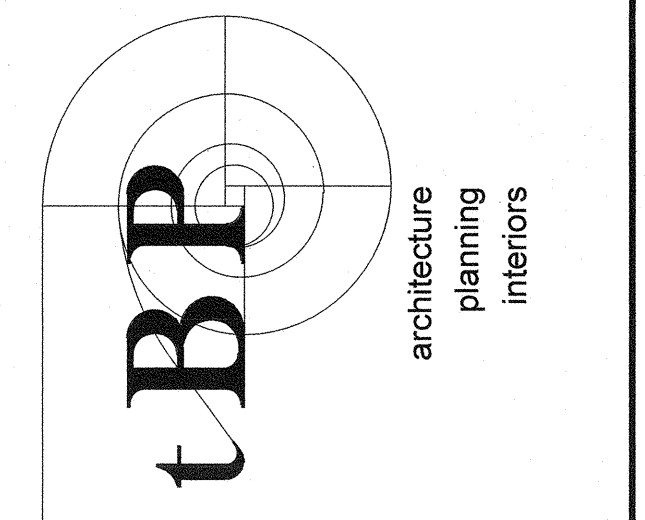


ENLARGED FIRE ALARM PLAN SCALE: 1/8" = 1'-0" 2

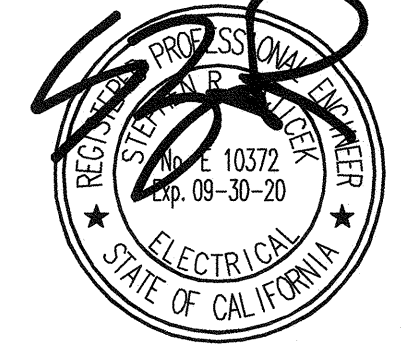
KEY NOTES

- 1 PROVIDE 2'-0" x 3'-0" PRECAST CONCRETE PULLBOX WITH BOLT DOWN TRAFFIC RATED COVER. ENGRAVE COVER TO READ: "ELECTRIC".
- 2 SAWCUT AND PATCH PAVING TO THE ARCHITECTS SPECIFICATIONS.

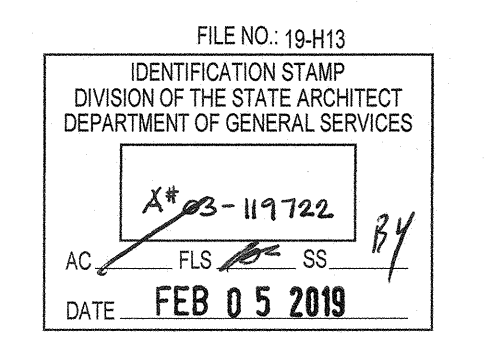
FIRE ALARM CONDUIT SCHEDULE		
SYMBOL	CONDUCTORS	SIZE
I	2#16 UNSHIELDED TWISTED-PAIR INITIATING CIRCUIT	3/4"
V	2#12 AWG THIN VISUAL CIRCUIT	3/4"
S	2#14 AWG THIN SPEAKER CIRCUIT (SHIELDED TWISTED-PAIR)	3/4"
ZV	4#12 AWG VISUAL CIRCUIT	3/4"
ZS	4#18 AWG SPEAKER CIRCUIT (SHIELDED TWISTED-PAIR)	3/4"
L2V, ZS	MULTIPLE CONDUCTORS SHALL BE SHARED	1"



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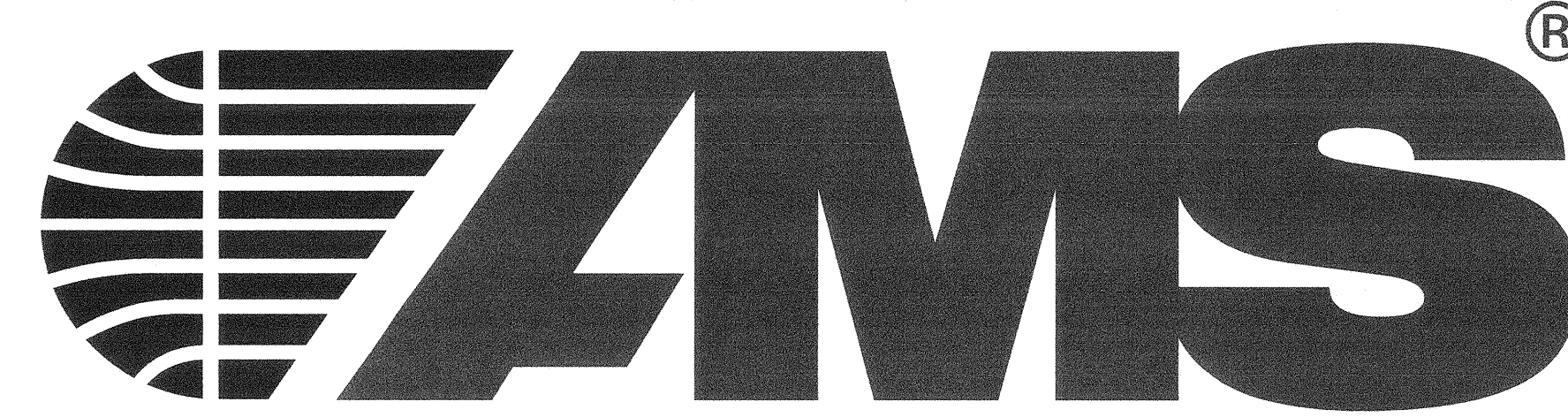
**CRESCENTA VALLEY HIGH SCHOOL
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GLENDALE UNIFIED SCHOOL DISTRICT
2900 COMMUNITY AVENUE
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drawing title:
ENLARGED SITE ELECTRICAL PLANS

drawing no.:
ES-2
drawing of



American Modular Systems
GLENDALE UNIFIED SCHOOL DISTRICT
CRESCENTA VALLEY HIGH SCHOOL
(1) 60' x 32' GENERATION 7 BUILDING



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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), VOLUME 1 & 2 - (PART 2, TITLE 24 CCR) BASED ON THE 2015 INTERNATIONAL BUILDING CODE
- 2016 CALIFORNIA ELECTRICAL CODE (CEC) - (PART 3, TITLE 24, CCR) BASED ON THE 2014 NATIONAL ELECTRIC CODE
- 2016 CALIFORNIA MECHANICAL CODE (CMC) - (PART 4, TITLE 24, CCR) BASED ON THE 2015 UNIFORM MECHANICAL CODE
- 2016 CALIFORNIA PLUMBING CODE (CPC) - (PART 5, TITLE 24, CCR) BASED ON THE 2015 UNIFORM PLUMBING CODE
- 2016 CALIFORNIA ENERGY CODE (CEC) - (PART 6, TITLE 24, CCR)
- 2016 CALIFORNIA FIRE CODE (CFC) - (PART 9, TITLE 24, CCR) BASED ON THE 2015 INTERNATIONAL FIRE CODE
- 2016 CALIFORNIA GREEN BUILDING CODE (CGC) - (PART 11, TITLE 24, CCR)
- 2016 CALIFORNIA REFERENCED STANDARDS CODE (PART 12, TITLE 24, CCR)

PARTIAL LIST OF APPLICABLE STANDARDS

- NFPA 13 AUTOMATIC SPRINKLER SYSTEM 2016 EDITION
- NFPA 14 STANDPIPE AND HOSE SYSTEMS 2013 EDITION
- NFPA 17 DRY CHEMICAL EXTINGUISHING SYSTEMS 2013 EDITION
- NFPA 17A WET CHEMICAL EXTINGUISHING SYSTEMS 2013 EDITION
- NFPA 20 STATIONARY PUMPS 2016 EDITION
- NFPA 24 PRIVATE FIRE MAINS 2016 EDITION
- NFPA 72 NATIONAL FIRE ALARM AND SIGNALING CODE (CALIFORNIA AMENDED) 2016 EDITION
- NFPA 253 CRITICAL RADIANT FLUX OF FLOOR COVERING SYSTEMS 2015 EDITION
- NFPA 2001 CLEAN AGENT FIRE EXTINGUISHING SYSTEMS 2015 EDITION

BUILDING DATA

OCCUPANCY E OR B (GLASSROOM USE FOR COLLEGE), OR A (CATEGORY I-III)

TYPE OF CONSTRUCTION V-B (CATEGORY I & II)

WIND LOAD V = 110 MPH ULT. WIND SPEED RISK CATEGORY II
 EXPOSURE = C Kzt = 1.00
 INTERNAL PRESSURE COEFF., Gcpj = ±0.18 λ = 1.21
 ROOF ANGLE = 4.8°

FLOOR LIVE LOAD (PSF) 50+15 100 150

ROOF LIVE LOAD (MAX PSF) 20 20 SNOW* 30 SNOW*
 * AT SITES w/ SNOW, SEE GENERAL NOTE #14 THIS SHEET

DESIGN DEAD LOADS (MAX PSF) 21.0 ROOF - 43.0 WOOD FLR - 54.0 CONC. FLR
 13.7 EXTERIOR WALLS - 17.5 FRONT SUNSHADE

FIRE SPRINKLER SYSTEM DESIGN WT. 1.5 PSF AT ROOF (SEE GENERAL NOTES #5-#7 THIS SHEET)

SOLAR PANEL SYSTEM DESIGN WT. 2.0 PSF AT ROOF (SEE GENERAL NOTE #9 THIS SHEET)

ALLOWABLE SOIL PRESSURE (PSF) 1,500

FLOOD HAZARD AREA NO (SEE GENERAL NOTE #11 THIS SHEET)

BUILDING AREA (SQ. FT.) 1,920 SQ. FT.

CLIMATE ZONE 1-16

MODULES MOMENT-RESISTANT FRAME (SINGLE STORY)

SYSTEM 10'x32' MODULES (3 MODULES MINIMUM)

FOUNDATION TYPE CONCRETE

ARCHITECTURAL

OPTIONS SHEET NUMBER SHEET TITLE

COVER SHEET TS TITLE SHEET

INSPECTION FORM D1 FORM DSA-103

GENERAL NOTES & SPECIFICATIONS

ENERGY SHEETS & CALCULATIONS

FLOOR PLANS

ROOF PLAN & DETAILS

INTERIOR ELEVATIONS

EXTERIOR ELEVATIONS & ARCHITECTURAL DETAILS

MISCELLANEOUS DETAILS

STRUCTURAL

OPTIONS SHEET NUMBER SHEET TITLE

STEEL MEMBER PROPERTIES

FOUNDATION PLANS & DETAILS

FLOOR FRAMING PLAN & DETAILS

ROOF FRAMING PLAN & DETAILS

BUILDING FRAMING PLAN & DETAILS

WALL FRAMING

MISCELLANEOUS

GENERAL NOTES

- PC BUILDING CLASSIFIED AS OCCUPANCY "A" WITH OCCUPANT LOAD 100 OR MORE CANNOT BE REVIEWED OVER THE COUNTER (OTC).
- PC BUILDING APPROVED ONLY FOR OCCUPANCY "E" OR "B", OR "A" CATEGORY I & II, WITH AN OCCUPANT LOAD LESS THAN 250.
- PC BUILDING EXTING IS BASED ON THE USE OR OCCUPANCY AND WILL BE REVIEWED AS SITE SPECIFIC.
- PC BUILDINGS LOCATED IN FIRE HAZARD SEVERITY ZONES PER WILDLAND URBAN INTERFACE FIRE AREAS (WUI) SHALL CONFORM TO CBC CHAPTER 7A. PC IS NOT APPROVED FOR WUI.
- SITE USE SPECIFIC REQUIREMENT FOR AUTOMATIC SPRINKLER SYSTEM MIGHT BE REQUIRED. AUTOMATIC FIRE SPRINKLER REQUIREMENTS ARE NOT INCLUDED IN THIS PC APPROVAL. (NOTE: SEE BUILDING DATA THIS SHEET FOR FIRE SPRINKLER SYSTEM WEIGHT INCLUDED IN BUILDING DESIGN)
- FIRE SERVICE UNDERGROUND SHALL BE REVIEWED AS A SITE SPECIFIC APPLICATION. WATER SUPPLY SHALL BE DESIGNED TO MEET THE PC SPRINKLER DEMAND REQUIREMENTS.
- PROVIDE A SITE SPECIFIC FIRE FLOW LETTER OF CERTIFICATION FROM AN APPROVED WATER PURVEYOR OR LOCAL FIRE AUTHORITY.
- THIS PC PLAN SHALL NOT BE USED TO HOUSE "ROOMS OR AREAS WITH SPECIAL HAZARDS" SUCH AS LABORATORIES, VOCATIONAL SHOPS AND OTHER SUCH AREAS NOT CLASSIFIED AS GROUP H, LOCATED IN GROUP E OCCUPANCIES.
- A SEPARATE DSA APPLICATION NUMBER IS REQUIRED FOR DESIGN & INSTALLATION OF SOLAR PANEL SYSTEMS, ITS ANCHORAGE & SUPPORT STRUCTURE. (NOTE: SEE BUILDING DATA THIS SHEET FOR SOLAR PANEL SYSTEM WEIGHT INCLUDED IN BUILDING DESIGN) SOLAR SYSTEM SUBMITTALS SHALL NOT BE SUBMITTED AS AN OVER-THE-COUNTER SUBMITTAL.
- IF THE STRUCTURE IS LOCATED IN AN AREA WITH LIQUEFIABLE SOIL OR SITE CLASS F, OVER-THE-COUNTER SUBMITTAL IS NOT ALLOWED AND REGULAR PROJECT SUBMITTAL IS REQUIRED. IF THE SITE IS NOT IN A MAPPED LIQUEFACTION HAZARD ZONE, IT MAY BE PRESUMED THAT NO LIQUEFACTION HAZARD EXISTS ON THAT SITE UNLESS A SITE-SPECIFIC GEOTECHNICAL REPORT IDENTIFIES SUCH HAZARD.
- THIS PC BUILDING IS NOT DESIGNED FOR FLOOD HAZARD AREAS.
- THE PLACEMENT OF THE PC BUILDING(S) ON OR ADJACENT TO SLOPES SHALL COMPLY WITH THE FOUNDATION CLEARANCES FROM SLOPES' SPECIFICATIONS FOUND ON SHEET N2.0 OF THESE DRAWINGS.
- PC BUILDING SHALL NOT BE PLACED OR BE RELOCATED IN AREAS HAVING A NOISE CONTOUR GREATER THAN OR EQUAL TO 65 CNEL OR IN AREAS EXPOSED TO A NOISE LEVEL OF 65 dBA 1-1hr DURING ANY HOUR OF OPERATION WHEN NOISE CONTOURS ARE NOT READILY AVAILABLE, AS SPECIFIED IN CALGREEN CODE, SECTION 5.507.4.1 & 5.507.4.1.1.
- AT SITES WITH SNOW, THE SITE APPLICATION DSA REVIEWER SHALL VERIFY THE STRUCTURE TO BE LOCATED AT LEAST 20 FEET FROM ANY ADJACENT STRUCTURE. SEE ASCE 7, SECTION 7.7. IF THE HORIZONTAL SEPARATION IS LESS THAN 20 FT, SNOW DRIFT ANALYSIS SHALL BE PROVIDED BY THE PC APPLICANT, AND THE PROJECT IS NOT ELIGIBLE FOR OTC SUBMITTAL.

SITE SPECIFIC SEISMIC CRITERIA:

SITE SPECIFIC S_s = 2.715 **SITE CLASS** = D

SITE SPECIFIC S₁ = 0.967

(NOTE: SITE SHALL BE SITE CLASS "D" IF NO SOILS REPORT UNLESS THERE IS EVIDENCE OF CLASS "E" OR "F" SOILS PRESENT.)

SEISMIC:

RISK CATEGORY II

I_e = 1.0 T = 0.240_s R = 3.5 (OMF) F_v = 1.5 Max. FOR SITE CLASS A-D = 2.4 Max. FOR SITE CLASS E

Ω₀ = 3.0 C_d = 3.0 SEISMIC DESIGN CATEGORY: D (S₁ ≤ 0.75) E (0.75 < S₁ < 1.5)

ρ = 1.0

LATERAL FORCE RESISTING SYSTEM: LIGHT MODULAR STEEL MOMENT FRAMES PER 2212A ANALYSIS PROCEDURE: EQUIVALENT LATERAL FORCE

SITE CLASS A-D:

S_s = 3.257 MAX (SITE) 2.280 (DESIGN)* F₀ = 1.0 S_{0.5} = 2.17 (SITE) 1.52 (DESIGN)* C_s = 0.434 W (DESIGN)*

SITE CLASS E:

S_s = 2.533 MAX (SITE) 2.533 (DESIGN)* F₀ = 0.9 S_{0.5} = 1.52 (SITE) 1.52 (DESIGN)* C_s = 0.434 W (DESIGN)*

*PER CBC 1616A.1.12 (MODIFICATION TO ASCE 7-10,12.8.1.3): THE VALUE OF C_s AND E_v ARE PERMITTED TO BE CALCULATED USING A VALUE OF S_{0.5} EQUAL TO 1.0, BUT NOT LESS THAN 70% OF S_{0.5} AS DEFINED IN SECTION 11.4.4, PROVIDED THAT ALL OF THE FOLLOWING CRITERIA ARE MET:

- STRUCTURE DOES NOT HAVE IRREGULARITIES;
- STRUCTURE DOES NOT EXCEED FIVE (5) STORIES ABOVE THE BASE;
- STRUCTURE HAS A FUNDAMENTAL PERIOD, T, THAT DOES NOT EXCEED 0.5 SECONDS;
- STRUCTURE MEETS REQUIREMENTS FOR REDUNDANCY FACTOR, ρ, TO BE TAKEN AS 1.0;
- SITE SOIL PROPERTIES ARE NOT CLASSIFIED AS SITE CLASS "E" OR "F";
- STRUCTURE IS CLASSIFIED AS RISK CATEGORY II.

SITE-SPECIFIC OPTIONS

FLOOR DECK 1/8" PLYWOOD SHTG. BH-36 DECK 1/2"x18 GA.
 3/4" PLYWOOD SHTG. 3WxH DECK 3"x18 GA.

WALL STUDS WOOD LIGHT-GAUGE STEEL

EXTERIOR WALL FINISH DURATEMP 303 SYNTHETIC STUCCO LAP SIDING STUCCO

HVAC INTERIOR FLOOR MOUNTED EXTERIOR WALL MOUNTED SPLIT SYSTEM ROOF MOUNTED

ROOFING 3" x 20 GA. STANDING SEAM 3" x 26 GA. STANDING SEAM OVER SHEATHING SINGLE-PLY BUILT-UP ROOFING

ROOF DIAPHRAGM 3/4" PLYWOOD STEEL X-BRACING

ROOF BEAMS STANDARD ALTERNATE 10 GA (SEE SHEET S5.3)

SOLATUBE ON ROOF NO YES

FIRE SPRINKLERS NO YES (SEE GENERAL NOTES #5-#7 THIS SHEET)

FRONT OVERHANG NO YES - LENGTH: 1'-6" MAX (SEE SHEET S5.4)

REAR OVERHANG NO YES - LENGTH: 4'-0" MAX (SEE SHEET S5.2)

FRONT SUN SHADE NO YES (SEE SHEET S5.2)

SOLAR PANELS NO YES (SEE GENERAL NOTE #9 THIS SHEET)

ALTERNATE OPEN CANOPY NO YES - LENGTH: (SEE SHEET S5.4)

LIQUEFIABLE SOILS NO YES (SEE GENERAL NOTE #10 THIS SHEET)

GEOHAZARD REPORT NO YES

IF YES **GEOTECHNICAL FIRM:**

REPORT #: REPORT DATE:

GEOTECHNICAL REPORT NO YES * REQUIRED IF BUILDING AREA > 4,000 SF

IF YES **GEOTECHNICAL FIRM:**

REPORT #: REPORT DATE:

DEEPER FOOTINGS REQUIRED? NO YES - REQUIRED DEPTH:

WIDER FOOTINGS REQUIRED? NO YES - REQUIRED WIDTH:

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SHEETS w/ SPECIFIC ROOF LIVE LOAD/SNOW LOAD DESIGNATIONS/OPTIONS

TS TITLE SHEET

S1.1 CONCRETE FOUNDATION PLANS 50+15 PSF

S1.2 CONCRETE FOUNDATION PLANS 100 PSF

S1.3 CONCRETE FOUNDATION PLANS 150 PSF

S5.1 MOMENT FRAME CONNECTION DETAILS

S5.2 SUNSHADE & REAR ROOF OVERHANG PLAN & DETAILS

S5.3 ALTERNATE 10 GA. ROOF BEAM ELEVATION & DETAILS

S5.4 ALTERNATE OPEN CANOPY & FRONT ROOF OVERHANG PLAN & DETAILS

MECHANICAL

OPTIONS SHEET NUMBER SHEET TITLE

FLOOR PLANS

DETAILS

MISCELLANEOUS

ELECTRICAL

OPTIONS SHEET NUMBER SHEET TITLE

FLOOR PLANS & DETAILS

PLUMBING

OPTIONS SHEET NUMBER SHEET TITLE

FLOOR PLAN & DETAILS

PRE-CHECKED SET NAME

30'x32' THRU 150'x32' BUILDINGS

Gen7 healthy network. delivered

SITE SPECIFIC PROJECT NAME

GLENDALE USD CRESCENTA VALLEY HS (1) 60'x32' BUILDING

SHEET TITLE

TITLE SHEET

MANUFACTURER PROFESSIONAL OF RECORD ON PC

PROFESSIONAL ARCHITECT

STATE OF CALIFORNIA

THESE DRAWINGS ARE PRELIMINARY AND NOT FOR CONSTRUCTION UNLESS STAMPED & SIGNED BY THE ENGINEER OF RECORD.

PROJECT SPECIFIC STATE AGENCY APPROVAL

IDENTIFICATION STAMP

DIV. OF THE STATE ARCHITECT

APPROX 119722

AC: FLS SS BY

DATE: FEB 05 2019

ORIGINAL PC STATE AGENCY APPROVAL

BASED ON PC# 02-116071

PRE-CHECK (PC) DOCUMENT

CODE: 2018 CBC

A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRED.

REVISIONS

DRAWN BY: AS

SCALE: AS NOTED

DATE: 01/04/19

SHEET NUMBER

TS

AUTHORIZED USE: ALL INFORMATION INCLUDED IN THIS SHEET (FORM DSA-103) IS FOR THE SOLE PURPOSE OF RECEIVING DSA APPROVAL AND ISSUANCE OF A PC NUMBER. NO OTHER USE IS AUTHORIZED WITHOUT THE EXPRESS WRITTEN CONSENT OF AMERICAN MODULAR SYSTEMS, INC.

Additional Information for PC designs only, not to be added to DSA-103:

	STOCKPILE	CONSTRUCTION OF PERMANENT MODULAR OR RELOCATABLE BUILDING	RELOCATION OF CERTIFIED RELOCATABLE BUILDING
INSPECTOR CLASS (minimum requirements)	RBIP or Class 1	In Plant RBIP or Class 1 Site, Class 4 for Single Story Site, Class 2 for Two-Story	Class 4 for Single Story Class 2 for Two-Story
Selection of the Project Inspector and Testing Agency	by the Owner and approved by DSA, A/E of Record and Structural Engineer	by the School District and approved by DSA, A/E responsible for in-plant construction observation.	by the Owner and approved by DSA, A/E of Record and Structural Engineer
Cost of the Project Inspector (Title 24, Part 1, Section 4-333(b)) and Testing/Special Agency (CAC, Section 4-335(b))	by the Owner	by the School District	

HOLLO-BOLT MANUFACTURER'S INSPECTION PROCEDURES

PERIODIC SPECIAL INSPECTION REQUIREMENTS

TO VERIFY CORRECT INSTALLATION INCLUDING USE IN SEISMIC OR WIND LOADING APPLICATIONS IN ACCORDANCE WITH THE 2016 CALIFORNIA BUILDING CODE SECTIONS 1705A.1, 1705A.2, AND 1705A.3 PLEASE REFER TO THE FOLLOWING INSTRUCTIONS.

A. INSPECTION PRIOR TO INSTALLATION

- ENSURE THAT THERE ARE NO GAPS BETWEEN THE CONNECTING STEELWORK.
- ENSURE THAT THE HOLES ARE ALIGNED AND THAT THE HOLES HAVE THE CORRECT DIAMETER AND SPACING FOR THE CHOSEN HOLLO-BOLT.
- THE HOLES MUST BE STANDARD DIAMETER HOLES CONFORMING TO AISC 360 WHERE THE HOLE DIAMETER MUST BE NO GREATER THAN THE SLEEVE OUTER DIAMETER +1/16"
- BURRS IN THE HOLES MUST BE REMOVED BEFORE INSERTION OF THE HOLLO-BOLT.

B. INSPECTION DURING INSTALLATION

- ENSURE THAT THE HOLLO-BOLTS ARE INSTALLED AS PER LINDAPTER'S INSTALLATION INSTRUCTION SHEET.
- ENSURE THAT THE TORQUE WRENCH(S) HAS A CURRENT VALID CALIBRATION CERTIFICATE AND IS CALIBRATED ON REGULAR BASIS.
- IF USING AIR POWERED WRENCHES TO TIGHTEN THE HOLLO-BOLT, CHECK THAT THE WRENCH IS SET CORRECTLY TO AVOID OVERTIGHTENING. THE FINAL TORQUE MUST BE CHECKED WITH A CALIBRATED TORQUE WRENCH.
- IF AFTER TIGHTENING THERE IS A GAP EVIDENT BETWEEN THE HOLLO-BOLT AND THE CONTACT SURFACE OF THE CONNECTING ELEMENT THIS MAY INDICATE INCORRECT INSTALLATION. REMOVE AND DISCARD THE HOLLO-BOLT. REALIGN THE CONNECTING STEELWORK AND INSTALL A NEW HOLLO-BOLT AS PER LINDAPTER'S INSTALLATION INSTRUCTION SHEET.
- IF AFTER TIGHTENING THE BOLT HEAD CONTINUES TO TURN THIS MAY BE AN INDICATION OF OVER TIGHTENING, OR IF USING A STAINLESS STEEL HOLLO-BOLT THIS MAY BE DUE TO GALLING*, REMOVE AND DISCARD THE HOLLO-BOLT AND INSTALL A NEW HOLLO-BOLT AS PER LINDAPTER'S INSTALLATION INSTRUCTION SHEET.

* "GALLING" IS A TERM USED WHEN TWO SURFACES SEIZE UP AS A RESULT OF COLD WELDING AND IS COMMON WHEN TIGHTENING STAINLESS STEEL BOLTS.

C. INSPECTION AFTER INSTALLATION

- ENSURE THAT THERE ARE NO GAPS BETWEEN THE CONNECTING STEELWORK.
- ENSURE THAT THERE ARE NO GAPS BETWEEN THE HOLLO-BOLT AND THE CONTACT SURFACE OF THE CONNECTING ELEMENT.
- CHECK THE TIGHTENING TORQUE OF BETWEEN 5-10% OF THE INSTALLED HOLLO-BOLTS CHOSEN AT RANDOM USING A CALIBRATED TORQUE WRENCH.

FOOTNOTES

(NOTES APPLY ONLY WHEN TESTS OR INSPECTIONS APPLY TO YOUR PC SUBMITTAL.)

- WAIVER OF CONTINUOUS BATCH PLANT INSPECTION (PER CBC 1705A3.3.1):
a. VERIFY THAT EITHER CONDITION a) OR b) ARE NOTED IN THE SPECIFICATIONS:
a) CONCRETE PLANT COMPLIES FULLY WITH ASTM C94, SECTION 9 AND 10, AND HAS A CURRENT CERTIFICATION FROM THE "NATIONAL READY MIXED CONCRETE ASSOCIATION" OR ANOTHER AGENCY ACCEPTABLE TO THE ENFORCEMENT AGENCY. THE CERTIFICATION SHALL INDICATE THAT THE PLANT HAS AUTOMATIC BATCHING AND RECORDING CAPABILITIES.
b) FOR SINGLE-STORY BUILDINGS, COMPRESSIVE STRENGTH: 3500 PSI SPECIFIED - 3000 PSI.
DESIGN REQUIREMENTS c) THRU f) ARE MET.
c) AN APPROVED AGENCY OR CERTIFIED TECHNICIAN OF THE TEST LABORATORY SHALL CHECK THE FIRST BATCHING AT START OF WORK DAY AND FURNISH MIX PROPORTIONS TO LICENSED WEIGHMASTER.
d) LICENSED WEIGHMASTER TO POSITIVELY IDENTIFY QUANTITY OF MATERIALS AND CERTIFY EACH LOAD BY A BATCH TICKET.
e) BATCH TICKETS, INCLUDING MATERIAL QUANTITIES AND WEIGHTS SHALL BE TRANSMITTED TO INSPECTOR OF RECORD.
f) SUBMIT WEIGHMASTER AFFIDAVIT.
- WAIVER OF CONTINUOUS BATCH PLANT INSPECTION NOT REQUIRED (PER CBC 1705A3.3.2):
a. PLANT INSPECTION IS NOT REQUIRED FOR ANY OF THE FOLLOWING CONDITIONS:
a) SITE FLATWORK.
b) UNENCLOSED SITE STRUCTURES, INCLUDING BUT NOT LIMITED TO LUNCH OR CAR SHELTERS, BLEACHERS, SOLAR STRUCTURES, FLAG OR LIGHT POLES, OR RETAINING WALLS.
c) CONTROLLED LOW-STRENGTH MATERIAL BACKFILL, OR
d) SINGLE-STORY RELOCATABLE BUILDINGS LESS THAN 2,160 SQUARE FEET.
- TESTING IS WAIVED FOR ONE-STORY BUILDINGS IF MILL CERTIFICATE IS PROVIDED.
- REQUIRED ONLY WHERE DETAILS SPECIFY THE USE OF THESE ATTACHMENTS.
- INSPECTION OF VANEER DETAILED ON SHT. A7.0 MAY BE WAIVED BY DSA ON A SITE SPECIFIC BASIS.
- THE APPENDIX TO DSA-103 SHALL BE COMPLETED BY THE DESIGN PROFESSIONAL IN GENERAL RESPONSIBLE CHARGE.
- TESTING SHALL BE PERFORMED ON 100% OF CJP GROOVE WELDS WHEN THE COLUMNS PER SCHEDULE ON SHEET SS.1 HAVE A THICKNESS OF 1/2" OR GREATER. MAGNETIC PARTICLE TESTING SHALL BE PERFORMED ON 25% OF ALL BEAM-TO-COLUMN CJP GROOVE WELDS. NONDESTRUCTIVE TESTING OF COMPLETE JOINT PENETRATION WELDS AT GRAVITY CONNECTIONS SHALL COMPLY WITH AISC 360, CHAPTER N, PER 2016 CBC 1705A.2.1.
- EXAMPLE DSA-103 FORMS WILL BE USED AS GUIDE TO DEVELOP A SITE-SPECIFIC DSA-103 FORM FOR THE SITE-SPECIFIC PROJECT. EXAMPLE FORMS ON THE PC DRAWINGS WILL BE CROSSED OUT WHEN SITE-SPECIFIC DSA-103 FORMS ARE PROVIDED DURING OTC REVIEW. SEE DSA PR 07-01, ITEM 2 & 5. QUALIFIED REPRESENTATIVE OF LABORATORY OF RECORD OR APPROVED SPECIAL INSPECTOR SHALL VERIFY ALL STEEL IDENTIFICATION PER 2016 CBC 2203A.1.

TEST OR INSPECTION (as listed on DSA-103)

MATERIAL TYPE

	STOCKPILE		CONSTRUCTION (Diaphragm - Foundation)				RELOCATION OF CERTIFIED BUILDING	
	A	B	C	D	E	F	G	
WOOD FLOOR ONLY	X							
CONCRETE FLOOR		X						
WOOD FLOOR ON WOOD FOUNDATION			X					
WOOD FLOOR ON CONCRETE FOUNDATION				X				
CONCRETE FLOOR ON CONCRETE FOUNDATION					X			
WOOD FLOOR ON WOOD FOUNDATION			X					
CONCRETE FLOOR ON CONCRETE FOUNDATION				X				

SOILS

1. GENERAL:

- Verify that:
• Site has been prepared properly prior to placement of controlled fill and/or excavations for foundations.
• Foundation excavations extended to proper depth and have reached proper material.
• Materials below footings are adequate to achieve the design bearing capacity.

2. COMPACTED FILLS:

- Perform classification and testing of fill materials.
- Verify use of proper materials, densities, and inspect lift thicknesses, placement and compaction during placement of fill.
- Test compaction of fill.

CONCRETE

7. CAST IN PLACE CONCRETE - Lightweight over Metal Deck:

- Verify use of required design mix.
- Identify, sample, and test reinforcing steel.
- During concrete placement, fabricate specimens for strength tests, performing slump, and air content tests, and determine the temperature of the concrete.
- Test concrete (f_c - compression).
- Batch plant inspection⁽¹⁾⁽²⁾ - design complies with 1705A.3.3
- Not Used
- Welding of reinforcing steel.

7. CAST IN PLACE CONCRETE - Foundation:

- Verify use of required design mix.
- Identify, sample, and test reinforcing steel.
- During concrete placement, fabricate specimens for strength tests, performing slump, and air content tests, and determine the temperature of the concrete.
- Test concrete (f_c - compression).
- Batch plant inspection⁽¹⁾⁽²⁾ - design complies with 1705A.3.3
- Not Used
- Welding of reinforcing steel.

11. POST-INSTALLED ANCHORS⁽¹⁾:

- Inspect installation of post-installed anchors
- Test post-installed anchors

MASONRY

14. VENEER OR GLASS BLOCK⁽¹⁾:

- Verify proportions of site-prepared mortar and grout and/or verify certification of premixed mortar.
- Inspect placement of units and construction of mortar joints.
- Inspect placement of reinforcement, connectors, and anchors.
- Inspect type, size, and location of anchors and all other items to be embedded in masonry including details of anchorage of masonry to structural members, frames, and other construction.
- Verify preparation, construction, and protection of masonry during cold weather (temperature below 40° F) or hot weather (above 90°).
- Test veneer bond strength.

STEEL, ALUMINUM

17. STRUCTURAL STEEL, COLD-FORMED STEEL, AND ALUMINUM USED FOR STRUCTURAL PURPOSES:

- Verify identification of all materials and:
• Mill certificates indicate material properties that comply with requirements.
• Material sizes, types and grades comply with requirements.
- Test unidentified materials
- Examine seam welds of HSS shapes
- Verify and document steel fabrication per DSA approved construction documents.

19. WELDING:

- Verify weld filler material identification markings per AWS designation listed on the DSA approved documents and the WPS.
- Verify weld filler material manufacturer's certificate of compliance.
- Verify WPS, welder qualifications and equipment.

19.1 SHOP WELDING:

- Inspect groove, multi-pass fillet welds, single pass fillet welds > 5/16", plug and slot welds
- Inspect single-pass fillet welds ≤ 5/16", floor and roof deck welds
- Inspect welding of stairs and railing systems
- Verification of reinforcing steel weldability other than ASTM A706.
- Inspect welding of reinforcing steel

19.2 FIELD WELDING:

- Inspect groove, multi-pass fillet welds, single pass fillet welds > 5/16", plug and slot welds (See foundation anchorage - S1.6 sheets)
- Inspect single-pass fillet welds ≤ 5/16" (See foundation anchorage - S1.6 sheets)
- Inspect end-welded studs (ASTM A-108) installation (including bend test)
- Inspect floor and roof deck welds
- Inspect welding of structural cold-formed steel
- Inspect welding of stairs and railing systems
- Verification of reinforcing steel weldability
- Inspect welding of reinforcing steel

20. NONDESTRUCTIVE TESTING⁽¹⁾:

- Ultrasonic (Test per sheet SS.1)
- Magnetic Particle (Test per sheet SS.1)

22. SPRAY APPLIED FIRE-PROOFING⁽¹⁾:

- Examine structural steel surface conditions. Inspect application, take samples, measure thickness, and verify compliance of all aspects of application with DSA approved documents.
- Test bond strength.
- Test density.

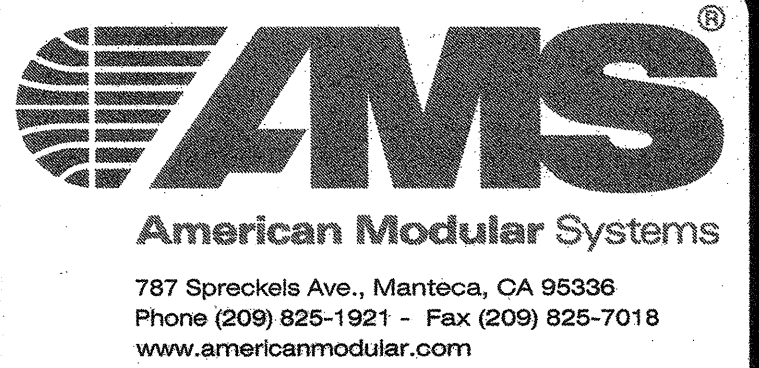
23. ANCHOR BOLTS, ANCHOR RODS, & OTHER STEEL:

- Anchor Bolts and Anchor Rods
- Threaded rod not used for foundation anchorage

OTHER

26. LOAD TEST FOR IDENTIFIED PRODUCT(S):

- Column fire rating where specified per 2016A.0 and tested per 1705A.15



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FIRE-CHECKED SET NAME

30'x32' THRU 150'x32' BUILDINGS



SITE SPECIFIC PROJECT NAME

SHEET TITLE

FORM
DSA-103

MANUFACTURER PROFESSIONAL OF RECORD ON PC



THESE DRAWINGS ARE PRELIMINARY AND NOT FOR CONSTRUCTION UNLESS SHOWN & SIGNED BY THE ENGINEER OF RECORD.

PROJECT SPECIFIC STATE AGENCY APPROVAL

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APR 03 11 97 22
AC FLS SS
DATE FEB 05 2019

ORIGINAL PC STATE AGENCY APPROVAL

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
PC D2-116071
AC FLS SS
DATE 7 10 18

PRE-CHECK (PC) DOCUMENT
CODE: 2016 CBC
A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRED.

REVISIONS

DRAWN BY:

SCALE: AS NOTED

DATE:

SHEET NUMBER

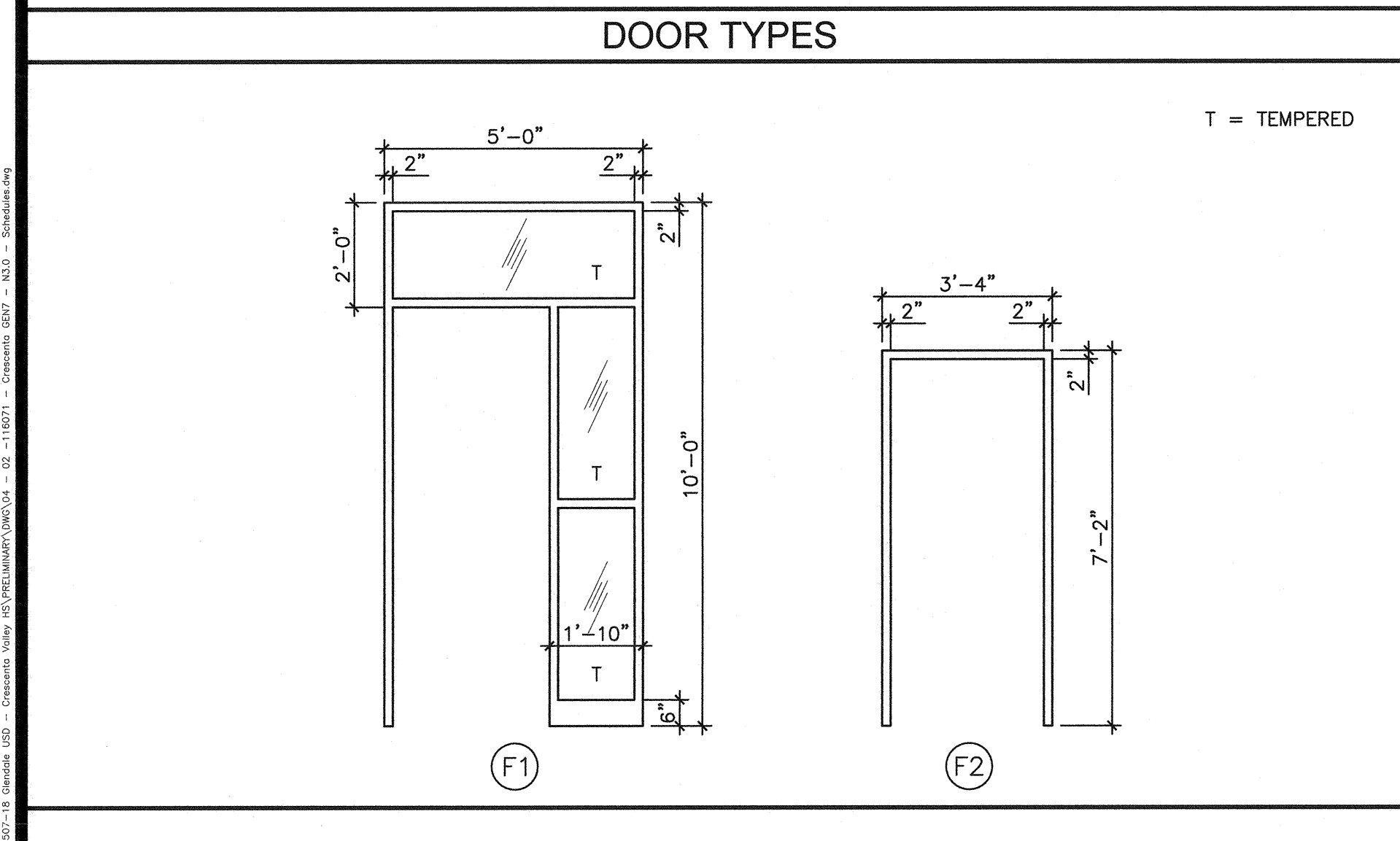
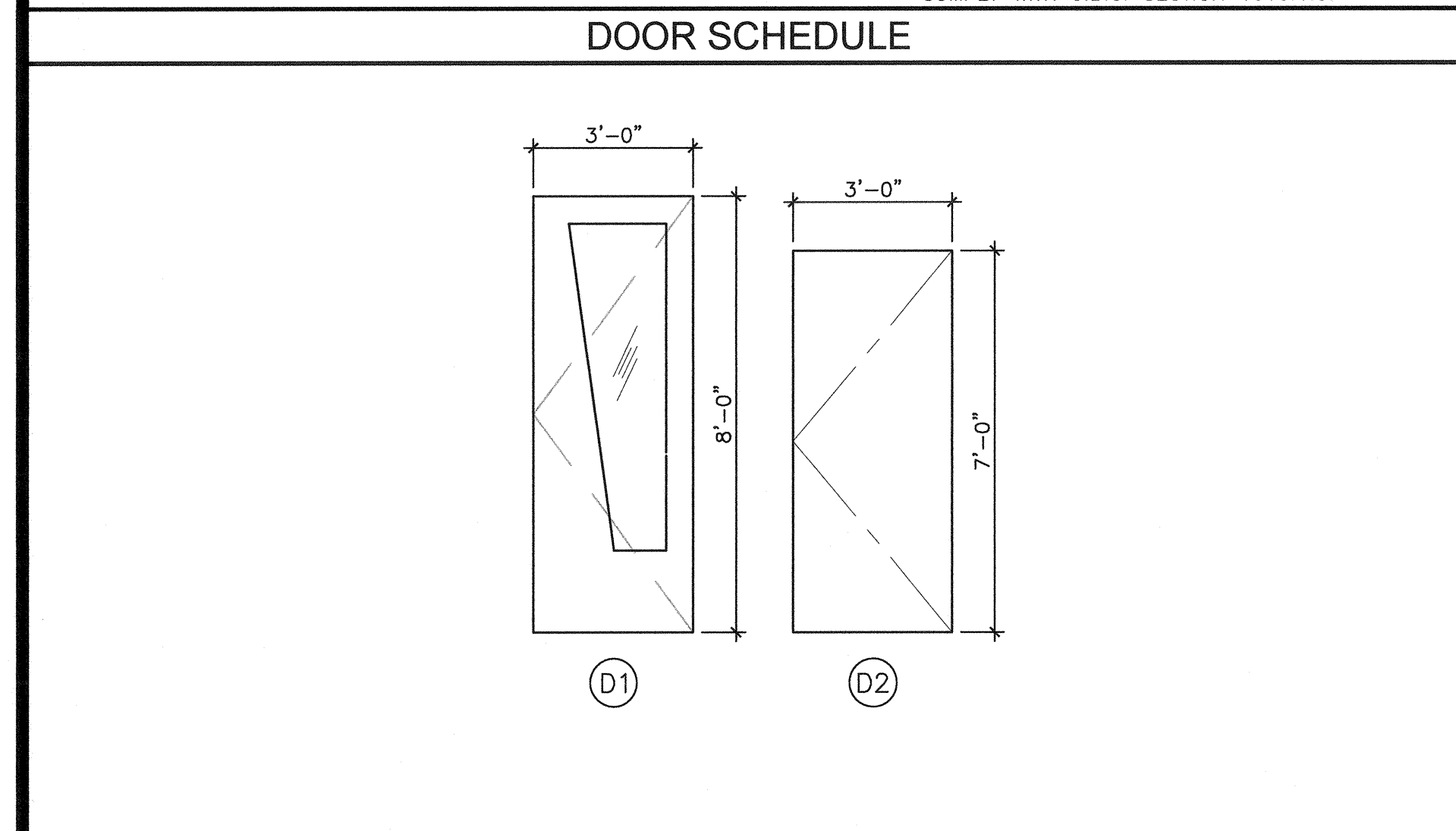
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DOORS					FRAMES			REMARKS		
DOOR NO.	DOOR TYPE	DOOR SIZE	QUANTITY	MATERIAL	FINISH	HARDWARE SET NO.	FRAME TYPE		MATERIAL	FINISH
(1)	(01)	3'-0" x 8'-0"	2	HM	PT	B	(1)	AL	CA	HARDWARE LOCKABLE FROM THE INSIDE, SEE DOOR NOTE #3
(2)	(02)	3'-0" x 7'-0"	1	SC	CLR	D	(2)	STL	PT	

DOOR ABBREVIATIONS
 HM - HOLLOW METAL
 AL - ALUMINUM
 S - STEEL
 SST - STAINLESS STEEL
 STL - STEEL FRAME, 16ga. FULLY WELDED
 WWF - WINDOW WALL FRAME

DOOR NOTES
 1. DOORS SHALL COMPLY WITH C.B.C. SECTION 1010.
 2. CLASSROOMS ≥ 1000 S.F. WILL REQUIRE PANIC HARDWARE THAT COMPLIES WITH C.B.C. SECTION 1010.1.10.
 3. PER C.B.C. 1010.1.11: PROVIDE LOCKS THAT ALLOW DOORS TO CLASSROOMS AND ANY ROOM WITH AN OCCUPANCY OF FIVE OR MORE PERSONS TO BE LOCKED FROM THE INSIDE. LOCKS SHALL COMPLY WITH C.B.C. SECTION 1010.1.9.

DOOR FINISHES
 SC - SOLID CORE WOOD
 HC - HOLLOW CORE WOOD
 PT - PAINTED
 CA - CLEAR ANODIZED
 BR - BRONZE ANODIZED
 CLR - CLEAR FINISH



DOOR HARDWARE SCHEDULE

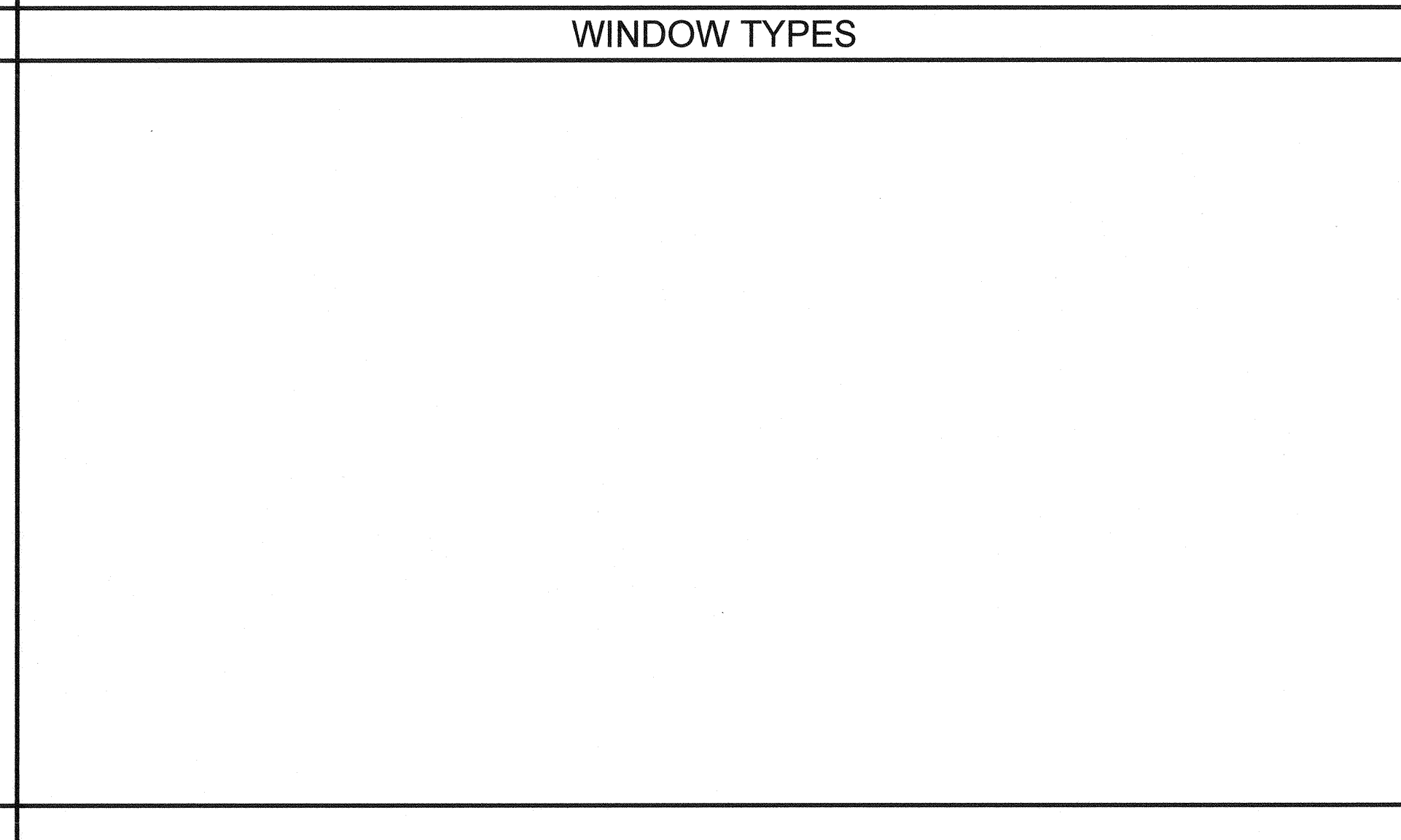
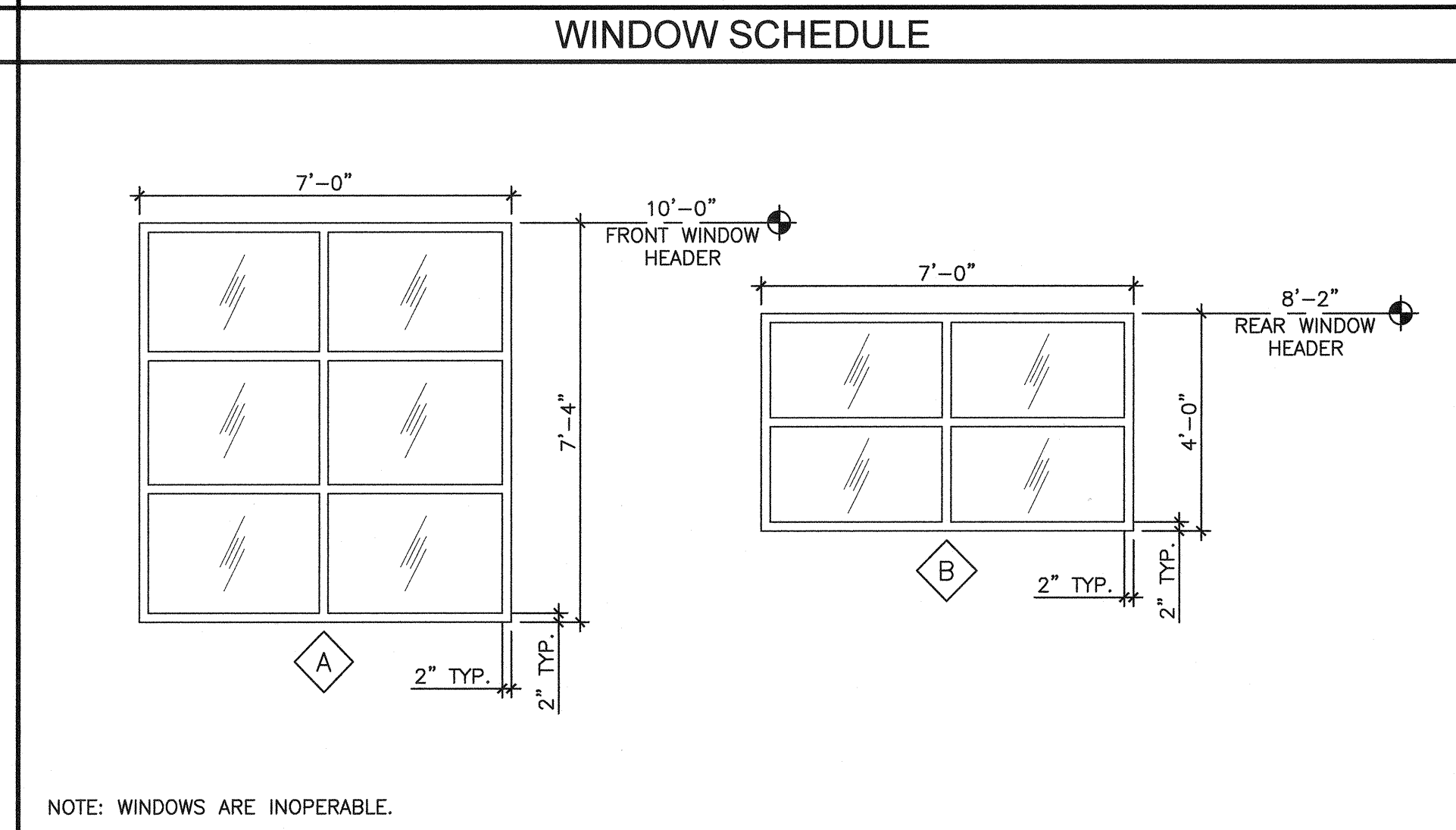
A	EXTERIOR DOOR LOCKSET w/LEVER RHODES-SCHLAGE-N095PD
B	EXTERIOR DOOR PANIC BAR w/PULL ON EXTERIOR VON DUPRIN AX22NL (REQUIRED WHEN OCCUPANT LOAD IS 50 OR MORE)
C	INTERIOR PASSAGE COPPER-GREEK-6220-PASSAGE w/ADA LEVER
D	INTERIOR RESTROOM COPPER CREEK 6231-RESTROOM w/ADA LEVER
E	INTERIOR ENTRY/OFFICE COPPER-GREEK-6244-ENTRY/OFFICE w/ADA LEVER
F	INTERIOR STOREROOM COPPER-GREEK-6250-STOREROOM w/ADA LEVER
G	INTERIOR CLASSROOM COPPER-GREEK-6260-CLASSROOM w/ADA LEVER

EXTERIOR DOOR HARDWARE
 1. HINGES: HAGER 4-1/2x4-1/2 BUTTS, BB1279 US26D, 1-1/2 PAIR PER DOOR, WITH SET SCREW IN BARREL AND BALL BEARING DESIGN.
 2. CLOSER: NORTON 8500DA OR 8500BF SERIES, LCN 1460 DEL SERIES OR EQUAL (5 LBS. MAX. PRESSURE)
 3. WEATHERSTRIPPING: ALL EXTERIOR DOORS SHALL BE WEATHERSTRIPPED WITH PEMKO 299D, ULTRA WS007 OR EQUAL, AT DOOR JAMBS AND HEAD.
 4. THRESHOLD: THRESHOLD SHALL BE PEMKO 271 AV 5" ALUMINUM WITH PEMKO 216 AV ULTRA TH042 DOOR BOTTOM.
 5. LOCKDOWN: INTERIOR TEACHERS' MANUAL LOCK FOR CAMPUS LOCK DOWN CRITERIA - REQUIRED FOR STATE-FUNDED SCHOOLS, PER EDUCATION CODE SECTION 17075.50 (AND ALSO CBC 1010.1.11): PROVIDE LOCKS THAT ALLOW DOORS TO CLASSROOMS AND ANY ROOM WITH AN OCCUPANCY OF FIVE OR MORE PERSONS TO BE LOCKED FROM THE INSIDE. LOCKS SHALL COMPLY WITH C.B.C. SECTION 1010.1.9.

*ADDITIONAL DOORS MAY BE REQUIRED BASED ON BUILDING LAYOUT.

WINDOW TYPE	QTY.	FUNCTION	"W" WIDTH	"H" HEIGHT	FINISH	GLASS TYPE	U FACTOR	SHGC	VT MIN	MIN STC RATING	REMARKS
(A)	4	FIXED	7'-0"	7'-4"	CLEAR ANODIZED	ATLANTICA	0.780	0.430	0.37	27	INOPERABLE
(B)	3	FIXED	7'-0"	4'-0"	CLEAR ANODIZED	ATLANTICA	0.780	0.430	0.37	27	INOPERABLE

WINDOW NOTES
 1. EXTERIOR LITE - 3/16" MINIMUM TEMPERED GLASS, OR LAMINATED AS 1 GLASS OF SOLAR GRAY GLARE REDUCING TYPE WITH A LIGHT TRANSMISSION FACTOR OF 45% MAXIMUM.
 2. WINDOWS THAT MEETS ALL OF THE FOLLOWING CONDITIONS SPECIFIED IN SECTION 2406.4.3, SHALL BE CONSIDERED A HAZARDOUS LOCATION, SHALL PASS THE IMPACT TEST REQUIREMENTS IN ACCORDANCE WITH "CPSD 16 CFR PART 1201" PER SECTION 2406.2, (WITH A TEST CRITERIA OF CATEGORY II, UNLESS OTHERWISE INDICATED IN C.B.C. TABLE 2406.2(1)), AND SHALL CONTAIN FULLY TEMPERED SAFETY GLAZING:
 A. THE EXPOSED AREA OF AN INDIVIDUAL PANE IS GREATER THAN 9 SQUARE FEET.
 B. THE BOTTOM EDGE OF THE GLAZING IS LESS THAN 18" ABOVE FINISH FLOOR.
 C. THE TOP EDGE OF THE GLAZING IS GREATER THAN 36" ABOVE FINISH FLOOR.
 D. ONE OR MORE WALKING SURFACE(S) ARE WITHIN 36", MEASURED HORIZONTALLY AND IN A STRAIGHT LINE, OF THE PLANE OF THE GLAZING.
 3. WINDOWS WITH MAXIMUM HEIGHT GREATER THAN 6'-0" SHALL EITHER:
 A. CONTAIN FULLY TEMPERED SAFETY GLAZING PER SECTION 2406.4.3 OF THE CBC, OR
 B. MEET THE TESTING REQUIREMENTS OF ASCE 7-10, SECTION 13.5.4.1 FOR STOREFRONTS GLAZING.



WINDOW HARDWARE SCHEDULE

A	EXTERIOR DOOR LOCKSET w/LEVER RHODES-SCHLAGE-N095PD
B	EXTERIOR DOOR PANIC BAR w/PULL ON EXTERIOR VON DUPRIN AX22NL (REQUIRED WHEN OCCUPANT LOAD IS 50 OR MORE)
C	INTERIOR PASSAGE COPPER-GREEK-6220-PASSAGE w/ADA LEVER
D	INTERIOR RESTROOM COPPER CREEK 6231-RESTROOM w/ADA LEVER
E	INTERIOR ENTRY/OFFICE COPPER-GREEK-6244-ENTRY/OFFICE w/ADA LEVER
F	INTERIOR STOREROOM COPPER-GREEK-6250-STOREROOM w/ADA LEVER
G	INTERIOR CLASSROOM COPPER-GREEK-6260-CLASSROOM w/ADA LEVER

FINISHES

ROOM NUMBER	ROOM NAME	FLOOR	WALLS					CEILING	CEILING HEIGHT	REMARKS
			BASE	FRONT	REAR	RIGHT	LEFT			
101	CLASSROOM	C	D	F	F	F	F	K	8'-3" MIN	WALK-OFF MAT AT ENTRY DOOR
102	CLASSROOM	C	D	F	F	F	F	K	8'-3" MIN	WALK-OFF MAT AT ENTRY DOOR
102A	STAFF RR	N	N	N	N	N	N	M	8'-6"	

FINISH INDICATOR OPTIONS
 A - CARPET; PER STATE OF CALIF SPEC COMPLYING WITH GROUP 1, TYPE A OR TYPE B, CLASS 2, DENSITY 4600.
 B - VINYL SHEET FLOORING; 0.6 MIN. C.D.F. PER ASTM D 2047
 C - VCT; ARMSTRONGS, STANDARD, OR EXCELON.
 D - TOP SET BASE; 4"
 E - TOP SET BASE; 6"
 F - WALL FINISH; 1/2" VINYL TACKBOARD CLASS 1 OVER 1/2" GYP BOARD BACKING
 G - 1/2" W.R. GYP BOARD; TAPE, PAINTED FINISH
 H - 1/2" GYP BOARD; TAPE, PAINTED FINISH
 J - 3/32" F.R.P.; OVER 1/2" W.R. GYP BOARD
 K - ACOUSTICAL LAY-IN GRID CEILING PANELS; 2'x2' OR 2'x4'
 L - 1/2" VINYL TACKBOARD; CLASS 1, OVER 5/8" TYPE "X" GYP BOARD BACKING
 M - 5/8" TYPE "X" GYP BOARD; TAPE, TEXTURE, PAINTED FINISH
 N - CERAMIC TILE - (FULL HEIGHT AT WALLS)
 O - EXPOSED CONCRETE WITH CONCRETE SEALER
 P - CLOUD CEILING PANELS

ROOM FINISHES SCHEDULE

A	EXTERIOR DOOR LOCKSET w/LEVER RHODES-SCHLAGE-N095PD
B	EXTERIOR DOOR PANIC BAR w/PULL ON EXTERIOR VON DUPRIN AX22NL (REQUIRED WHEN OCCUPANT LOAD IS 50 OR MORE)
C	INTERIOR PASSAGE COPPER-GREEK-6220-PASSAGE w/ADA LEVER
D	INTERIOR RESTROOM COPPER CREEK 6231-RESTROOM w/ADA LEVER
E	INTERIOR ENTRY/OFFICE COPPER-GREEK-6244-ENTRY/OFFICE w/ADA LEVER
F	INTERIOR STOREROOM COPPER-GREEK-6250-STOREROOM w/ADA LEVER
G	INTERIOR CLASSROOM COPPER-GREEK-6260-CLASSROOM w/ADA LEVER

DOOR HARDWARE SCHEDULE

A	EXTERIOR DOOR LOCKSET w/LEVER RHODES-SCHLAGE-N095PD
B	EXTERIOR DOOR PANIC BAR w/PULL ON EXTERIOR VON DUPRIN AX22NL (REQUIRED WHEN OCCUPANT LOAD IS 50 OR MORE)
C	INTERIOR PASSAGE COPPER-GREEK-6220-PASSAGE w/ADA LEVER
D	INTERIOR RESTROOM COPPER CREEK 6231-RESTROOM w/ADA LEVER
E	INTERIOR ENTRY/OFFICE COPPER-GREEK-6244-ENTRY/OFFICE w/ADA LEVER
F	INTERIOR STOREROOM COPPER-GREEK-6250-STOREROOM w/ADA LEVER
G	INTERIOR CLASSROOM COPPER-GREEK-6260-CLASSROOM w/ADA LEVER

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PRE-CHECKED SET NAME
30'x32' THRU 150'x32' BUILDINGS

Gen7
 quality schools. delivered

SITE SPECIFIC PROJECT NAME
**GLENDALE USD
 CRESCENTA VALLEY HS
 (1) 60'x32' BUILDING**

SHEET TITLE
**TYPICAL SCHEDULES
 DOORS, WINDOWS
 & FINISHES**

MANUFACTURER PROFESSIONAL OF RECORD ON PC

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IDENTIFICATION STAMP
 DIV. OF THE STATE ARCHITECT
 APP# 119722
 DATE FEB 05 2019

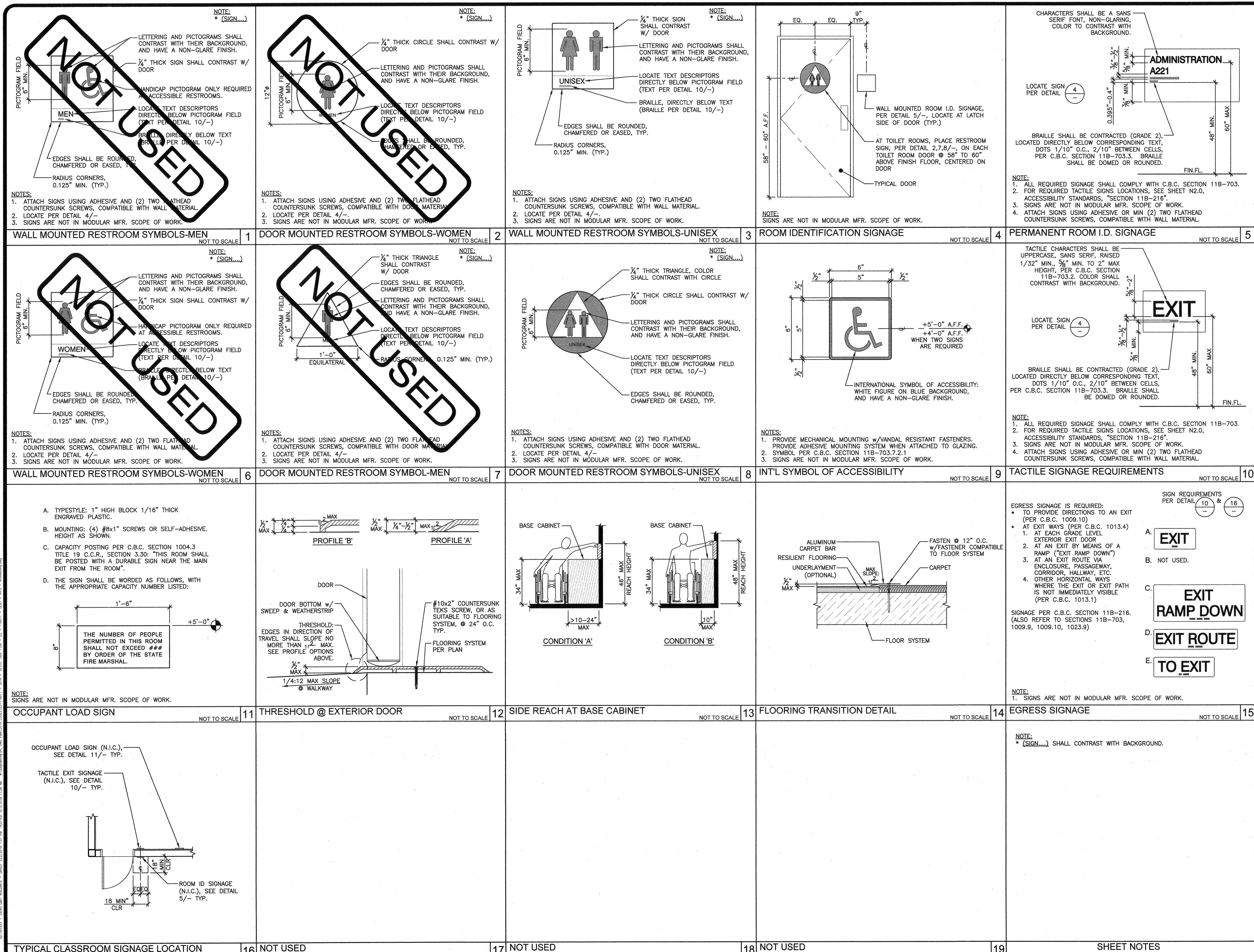
ORIGINAL PC STATE AGENCY APPROVAL

BASED ON PC# 02-116071
PRE-CHECK (PC) DOCUMENT
 CODE: 2016 CBC
 A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRED.

REVISIONS

DRAWN BY: AS
 SCALE: AS NOTED
 DATE: 01/04/19
 SHEET NUMBER

N3.0



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PRE-CHECKED SET NAME
30'x32' THRU 150'x32' BUILDINGS

Gen7
healthy schools, delivered

SITE SPECIFIC PROJECT NAME
SHEET TITLE
ACCESSIBILITY STANDARDS AND DETAILS

MANUFACTURER PROFESSIONAL OF RECORD ON PC
ARCHITECT'S SEAL AND SIGNATURE
DATE: FEB 05 2018

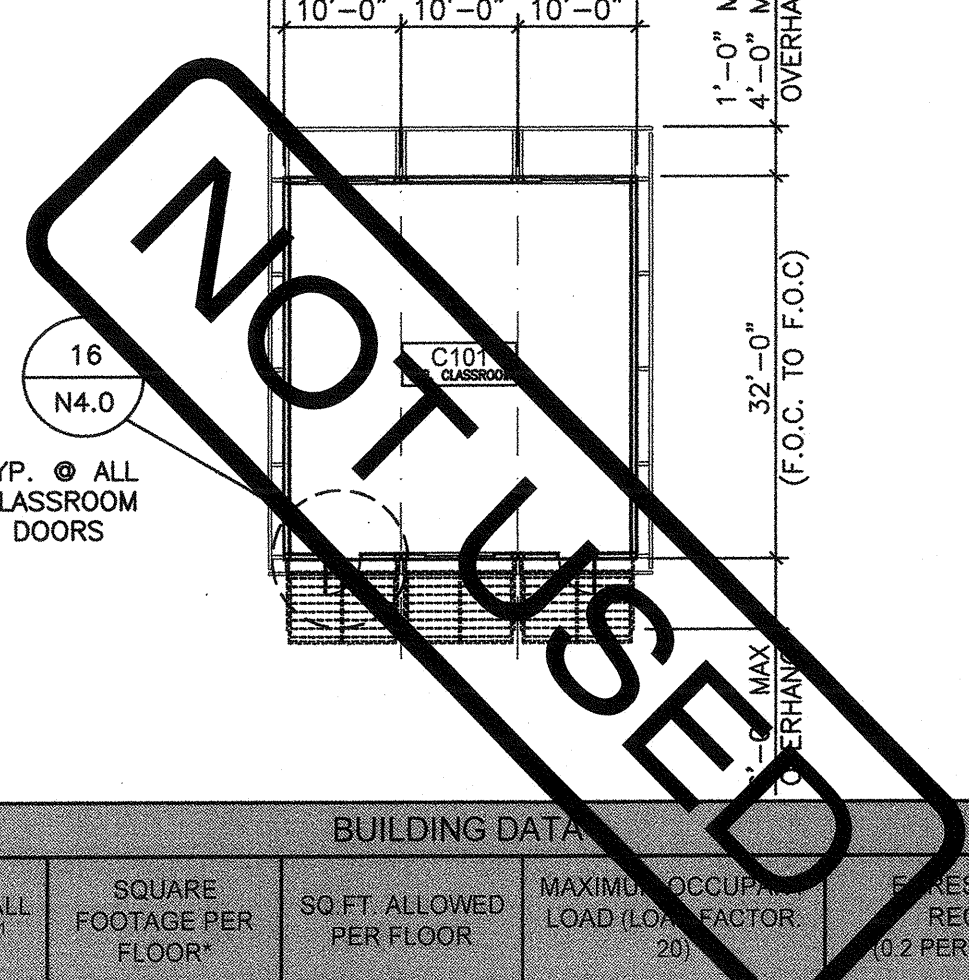
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IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APPROVED: 119722
DATE: FEB 05 2018

ORIGINAL PC STATE AGENCY APPROVAL
IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
PC 02-116071
DATE: 7 10 18

PRE-CHECK (PC) DOCUMENT
CODE: 2018 CBC
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REVISIONS
DRAWN BY: AS NOTED
SCALE: AS NOTED
DATE: SHEET NUMBER
N4.0



BUILDING DATA					
BUILDING SIZE	OVERALL SIZE	SQUARE FOOTAGE PER FLOOR	SQ. FT. ALLOWED PER FLOOR	MAXIMUM OCCUPANT LOAD (LOAD FACTOR: 20)	EGRESS INCHES REQUIRED (0.2 PER OCCUPANT)
30' x 32'	30'-0 1/2"	960	9500	48	9.5"

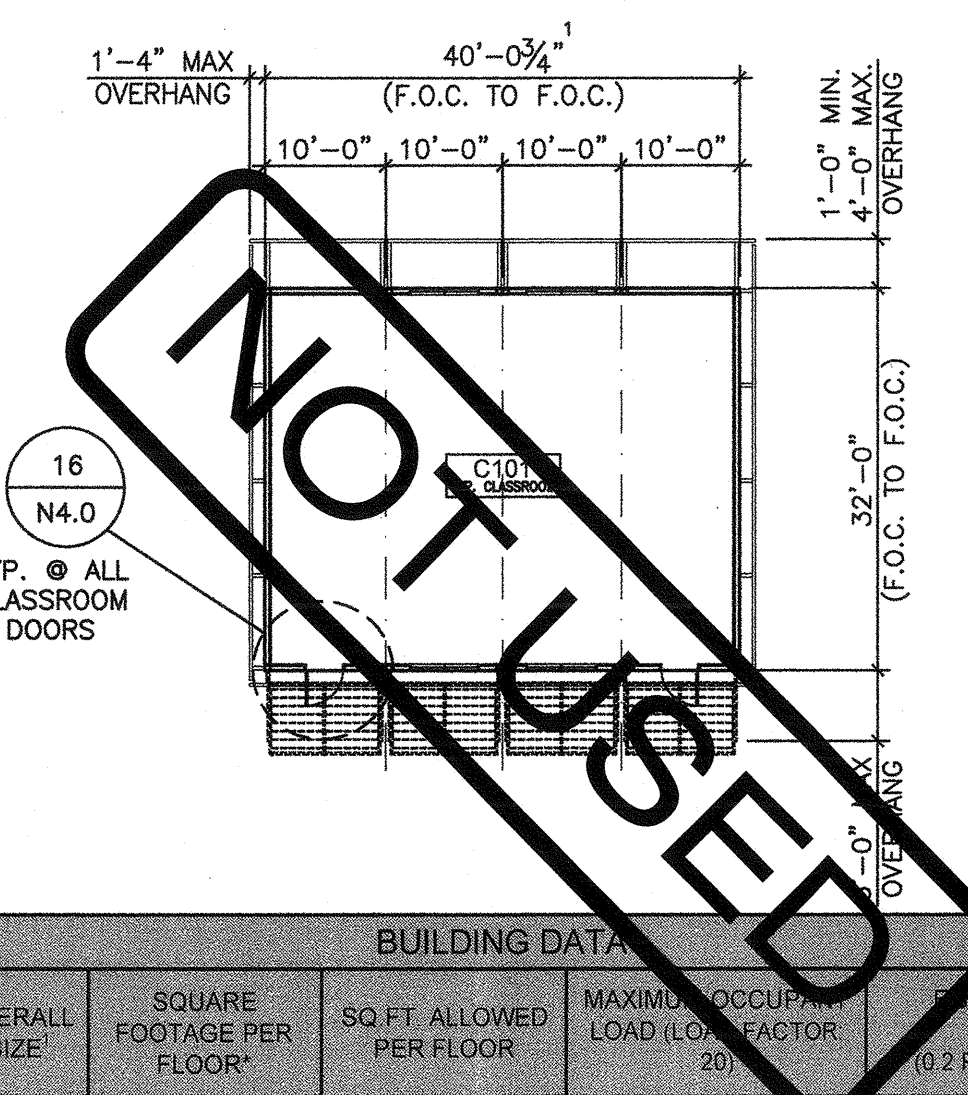
*THE BUILDING SQUARE FOOTAGE IS SUBJECT TO INCREASE AS PERMITTED BY C.B.C. SECTION 506.2 AND 506.3. SEE SHEET NOTE 2.
 **MINIMUM EGRESS WIDTH SHALL BE 34", OR DIMENSION GIVEN IN BUILDING DATA, WHICHEVER IS GREATER.
 1. SEE GENERAL NOTE #7.

30' x 32' BUILDING FLOOR PLAN

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

40' x 32' BUILDING FLOOR PLAN

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

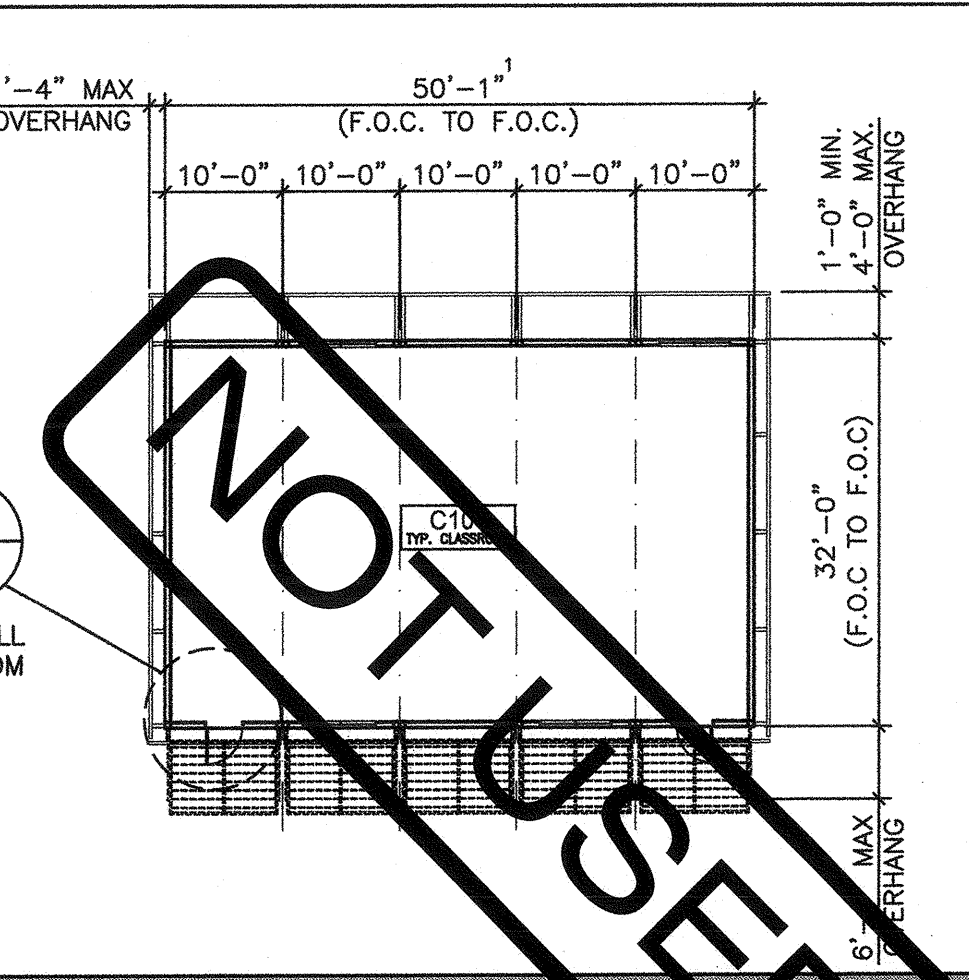


BUILDING DATA					
BUILDING SIZE	OVERALL SIZE	SQUARE FOOTAGE PER FLOOR	SQ. FT. ALLOWED PER FLOOR	MAXIMUM OCCUPANT LOAD (LOAD FACTOR: 20)	EGRESS INCHES REQUIRED (0.2 PER OCCUPANT)
40' x 32'	40'-0 1/2"	1280	9500	64	12.8"

*THE BUILDING SQUARE FOOTAGE IS SUBJECT TO INCREASE AS PERMITTED BY C.B.C. SECTION 506.2 AND 506.3. SEE SHEET NOTE 2.
 **MINIMUM EGRESS WIDTH SHALL BE 34", OR DIMENSION GIVEN IN BUILDING DATA, WHICHEVER IS GREATER.
 1. SEE GENERAL NOTE #7.

40' x 32' BUILDING FLOOR PLAN

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



BUILDING DATA					
BUILDING SIZE	OVERALL SIZE	SQUARE FOOTAGE PER FLOOR	SQ. FT. ALLOWED PER FLOOR	MAXIMUM OCCUPANT LOAD (LOAD FACTOR: 20)	EGRESS INCHES REQUIRED (0.2 PER OCCUPANT)
50' x 32'	50'-1"	1600	9500	80	16"

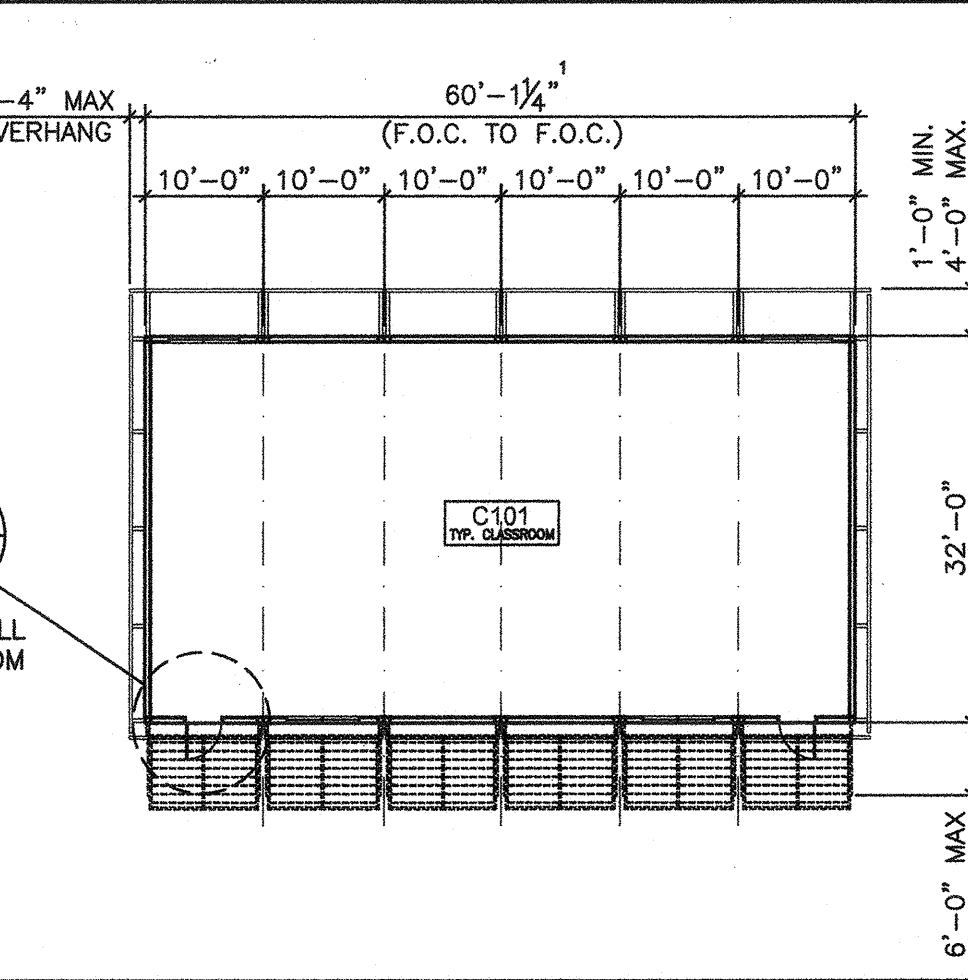
*THE BUILDING SQUARE FOOTAGE IS SUBJECT TO INCREASE AS PERMITTED BY C.B.C. SECTION 506.2 AND 506.3. SEE SHEET NOTE 2.
 **MINIMUM EGRESS WIDTH SHALL BE 34", OR DIMENSION GIVEN IN BUILDING DATA, WHICHEVER IS GREATER.
 1. SEE GENERAL NOTE #7.

50' x 32' BUILDING FLOOR PLAN

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

60' x 32' BUILDING FLOOR PLAN

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

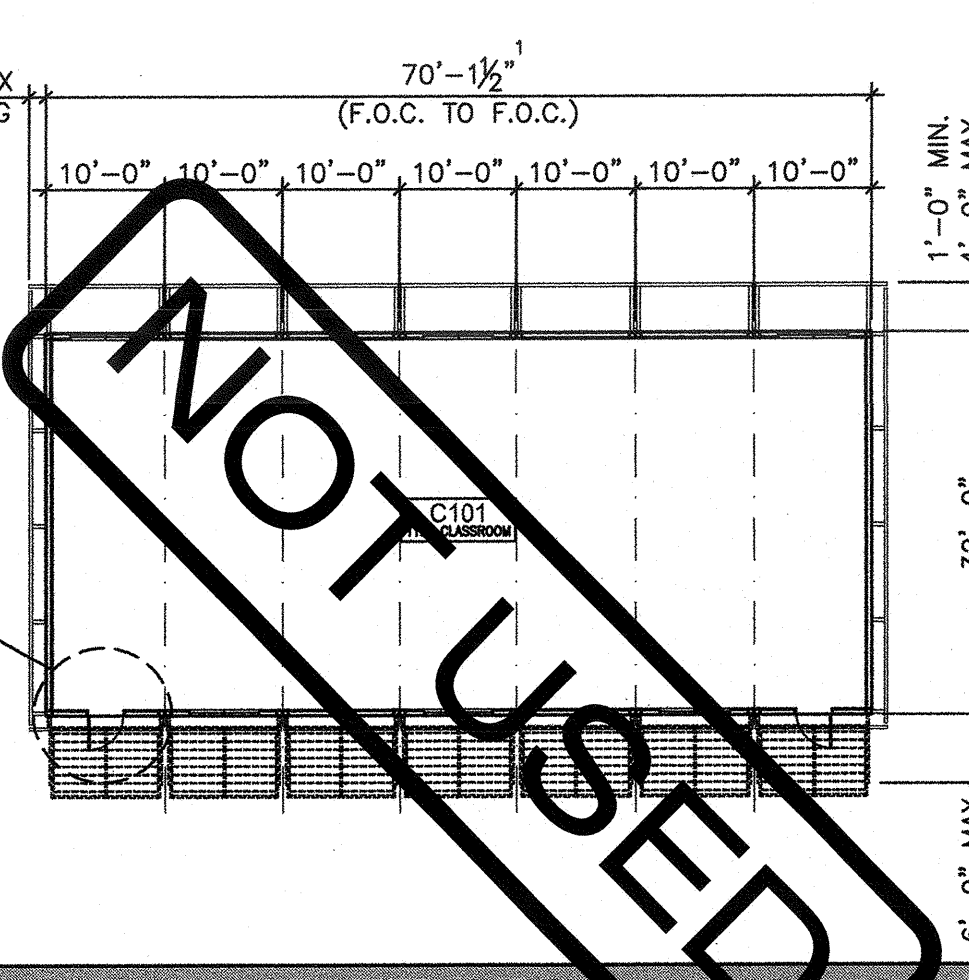


BUILDING DATA					
BUILDING SIZE	OVERALL SIZE	SQUARE FOOTAGE PER FLOOR	SQ. FT. ALLOWED PER FLOOR	MAXIMUM OCCUPANT LOAD (LOAD FACTOR: 20)	EGRESS INCHES REQUIRED (0.2 PER OCCUPANT)
60' x 32'	60'-1 1/2"	1920	9500	96	19.2"

*THE BUILDING SQUARE FOOTAGE IS SUBJECT TO INCREASE AS PERMITTED BY C.B.C. SECTION 506.2 AND 506.3. SEE SHEET NOTE 2.
 **MINIMUM EGRESS WIDTH SHALL BE 34", OR DIMENSION GIVEN IN BUILDING DATA, WHICHEVER IS GREATER.
 1. SEE GENERAL NOTE #7.

60' x 32' BUILDING FLOOR PLAN

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



BUILDING DATA					
BUILDING SIZE	OVERALL SIZE	SQUARE FOOTAGE PER FLOOR	SQ. FT. ALLOWED PER FLOOR	MAXIMUM OCCUPANT LOAD (LOAD FACTOR: 20)	EGRESS INCHES REQUIRED (0.2 PER OCCUPANT)
70' x 32'	70'-1 1/2"	2240	9500	112	22.4"

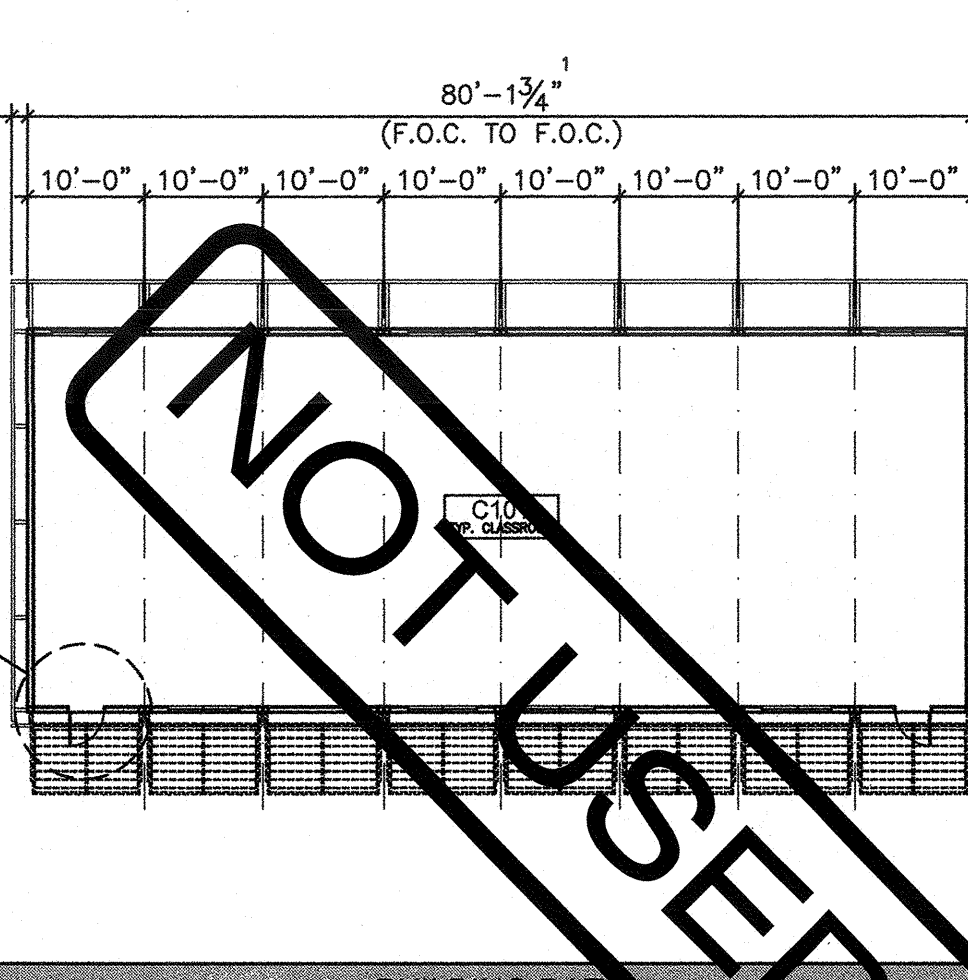
*THE BUILDING SQUARE FOOTAGE IS SUBJECT TO INCREASE AS PERMITTED BY C.B.C. SECTION 506.2 AND 506.3. SEE SHEET NOTE 2.
 **MINIMUM EGRESS WIDTH SHALL BE 34", OR DIMENSION GIVEN IN BUILDING DATA, WHICHEVER IS GREATER.
 1. SEE GENERAL NOTE #7.

70' x 32' BUILDING FLOOR PLAN

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

80' x 32' BUILDING FLOOR PLAN

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



BUILDING DATA					
BUILDING SIZE	OVERALL SIZE	SQUARE FOOTAGE PER FLOOR	SQ. FT. ALLOWED PER FLOOR	MAXIMUM OCCUPANT LOAD (LOAD FACTOR: 20)	EGRESS INCHES REQUIRED (0.2 PER OCCUPANT)
80' x 32'	80'-1 1/2"	2560	9500	128	25.6"

*THE BUILDING SQUARE FOOTAGE IS SUBJECT TO INCREASE AS PERMITTED BY C.B.C. SECTION 506.2 AND 506.3. SEE SHEET NOTE 2.
 **MINIMUM EGRESS WIDTH SHALL BE 34", OR DIMENSION GIVEN IN BUILDING DATA, WHICHEVER IS GREATER.
 1. SEE GENERAL NOTE #7.

80' x 32' BUILDING FLOOR PLAN

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

- PANIC HARDWARE IS REQUIRED TO BE INSTALLED WHEN THE CONFIGURATION OF ANY ROOM PROVIDES AN OCCUPANT LOAD OF 50 OR GREATER, PER CBC 1010.1.10.
- THE BUILDING SIZES AND SQUARE FOOTAGES REFLECTED ON THIS SHEET ARE SUBJECT TO SQUARE FOOTAGE INCREASE AS PERMITTED BY SITE CONDITIONS, PER CBC 506.2, AND BY AUTOMATIC SPRINKLER SYSTEM, PER CBC 506.3.
- RESTROOM CONFIGURATIONS OCCUR AT OUTER WINGS OF BUILDINGS.
- SEE FOUNDATION DRAWINGS FOR TRUE DIMENSIONS AT FLOOR PLACEMENT AND OVERALL FOUNDATION SIZE.
- FOR ROOM ID SIGNAGE (N.I.C.) SEE DETAIL 5/N4.0. TYPICAL FOR ALL BUILDING CONFIGURATIONS.
- MINIMUM EGRESS REQUIRED SHALL BE 34" PER CLASSROOM OR DIMENSION SPECIFIED IN BUILDING DATA, WHICHEVER IS GREATER.
- TOTAL WIDTH INCLUDES 1/4" PER MODULE CONSTRUCTION TOLERANCE PER FOUNDATION SHEETS.

SITE NOTE:
 1/8" (1%) MINIMUM TO 1/4" (2%) MAXIMUM GRADE FROM FACE OF BUILDING MUST BE ADHERED TO FOR WATER RUN-OFF. PONDING MAY OCCUR AROUND THE PERIMETER OF THE BUILDING.



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PRE-CHECKED SET NAME
30'x32' THRU 150'x32' BUILDINGS
Gen7
 healthy schools, delivered

SITE SPECIFIC PROJECT NAME
 SHEET TITLE
MULTIPLE FLOOR PLAN CONFIGURATIONS

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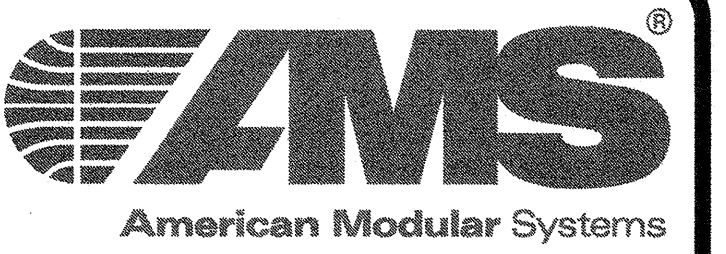
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 APPROVED 1-19-23
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 IDENTIFICATION STAMP
 DIV. OF THE STATE ARCHITECT
 PC 02-116071
 DATE 7 10 18
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 CODE: 2016 CBC
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 SCALE: AS NOTED
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GENERAL NOTES



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PRE-CHECKED SET NAME

30'x32' THRU 150'x32' BUILDINGS



SITE SPECIFIC PROJECT NAME

SHEET TITLE

ENERGY CALCULATIONS

MANUFACTURER PROFESSIONAL OF RECORD ON PC



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PROJECT SPECIFIC STATE AGENCY APPROVAL

IDENTIFICATION STAMP OF THE STATE ARCHITECT

APPROX 19722
AC FLS SS
DATE FEB 05 2019

ORIGINAL PC STATE AGENCY APPROVAL

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PC 02-116071
AC FLS SS
DATE 7 10 18

PRE-CHECKED (PC) DOCUMENT CODE: 2016 CBS

A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRED.

REVISIONS

DRAWN BY: AS NOTED

SCALE:

SHEET NUMBER

EN.2

Project Name: AMS Modular Classroom 2002, Project Address: Manteca, CA 95336, Compliance Scope: Non-residential. Table with 5 columns: S, Z, Description of Assembly Items, Notes, and Compliance checkboxes.

Table with 3 columns: Name, Title, Date, and Signature. Includes entries for Dan Kelly, Dan Kelly, and Dan Kelly with handwritten signatures.

Table with 6 columns: Design Type, Standard Design Size (WxH), Proposed Design Size (WxH), Design (WxH), Proposed Design Size (WxH), and Design (WxH). Rows include Design Type 1, 2, 3, and 4.

Table with 4 columns: Design Type, Standard Design Size (WxH), Proposed Design Size (WxH), and Design (WxH). Rows include Design Type 1, 2, and 3.

Table with 5 columns: S, Z, Description of Assembly Items, Notes, and Compliance checkboxes. Similar to the top table but for different design types.

Table with 3 columns: Name, Title, Date, and Signature. Includes entries for Dan Kelly, Dan Kelly, and Dan Kelly with handwritten signatures.

Table with 6 columns: Design Type, Standard Design Size (WxH), Proposed Design Size (WxH), Design (WxH), Proposed Design Size (WxH), and Design (WxH). Rows include Design Type 1, 2, 3, and 4.

Table with 4 columns: Design Type, Standard Design Size (WxH), Proposed Design Size (WxH), and Design (WxH). Rows include Design Type 1, 2, and 3.

Table with 5 columns: S, Z, Description of Assembly Items, Notes, and Compliance checkboxes. Similar to the top table but for different design types.

Table with 3 columns: Name, Title, Date, and Signature. Includes entries for Dan Kelly, Dan Kelly, and Dan Kelly with handwritten signatures.

Table with 6 columns: Design Type, Standard Design Size (WxH), Proposed Design Size (WxH), Design (WxH), Proposed Design Size (WxH), and Design (WxH). Rows include Design Type 1, 2, 3, and 4.

Table with 4 columns: Design Type, Standard Design Size (WxH), Proposed Design Size (WxH), and Design (WxH). Rows include Design Type 1, 2, and 3.

Project Name	AMS Modular Classroom 200x27_Sect7	NECC-PPF-01-4	Page 4 of 10
Project Address	10000 Sycamore Drive, San Diego, CA 92126	Calculation Date/Time	09/15, Thu, Apr 05, 2018
Completion Status	Not Complete	Report File Name	AMS_200x27_Sect7_C21416140401
II. CERTIFICATE OF INSTALLATION, CERTIFICATE OF ACCEPTANCE & CERTIFICATE OF VERIFICATION SUMMARY (NCC/IRCA/NCCV)			
This certificate is issued to certify that the installation of the equipment and systems described in this report has been completed in accordance with the applicable codes and standards. The equipment and systems have been inspected and found to be in compliance with the applicable codes and standards.			
III. COMPLIANCE WITH A CATEGORY OF COMPLIANCE SUMMARY			
The following table summarizes the compliance with the applicable codes and standards for the equipment and systems described in this report. The table is organized by building component and lists the applicable code and standard, the compliance status, and the responsible party.			
Building Component	Code/Standard	Compliance Status	Responsible Party
HVAC	ASHRAE 90.1-2010	Compliant	AMS
	ASHRAE 62.1-2010	Compliant	AMS
	ASHRAE 155-2010	Compliant	AMS
	ASHRAE 155-2010	Compliant	AMS
Electrical	NEC-2014	Compliant	AMS
	NEC-2014	Compliant	AMS
	NEC-2014	Compliant	AMS
	NEC-2014	Compliant	AMS
Lighting	IEBC-2015	Compliant	AMS
	IEBC-2015	Compliant	AMS
	IEBC-2015	Compliant	AMS
	IEBC-2015	Compliant	AMS

Project Name	AMS Modular Classroom 200x27_Sect7	NECC-PPF-01-4	Page 4 of 10
Project Address	10000 Sycamore Drive, San Diego, CA 92126	Calculation Date/Time	09/15, Thu, Apr 05, 2018
Completion Status	Not Complete	Report File Name	AMS_200x27_Sect7_C21416140401
IV. EQUIPMENT CONTROLS			
This section provides a detailed description of the equipment controls for the HVAC, electrical, and lighting systems. The controls are designed to optimize energy efficiency and ensure proper operation of the equipment.			
V. SYSTEM DISTRIBUTION SUMMARY			
This section provides a summary of the equipment distribution for the HVAC, electrical, and lighting systems. The distribution is shown in a table format, including the equipment name, location, and capacity.			
VI. INDOOR ENVIRONMENTAL MONITORING (IEM) DATA			
This section provides a summary of the IEM data for the HVAC, electrical, and lighting systems. The data is shown in a table format, including the parameter name, location, and value.			

Project Name	AMS Modular Classroom 200x27_Sect7	NECC-PPF-01-4	Page 4 of 10
Project Address	10000 Sycamore Drive, San Diego, CA 92126	Calculation Date/Time	09/15, Thu, Apr 05, 2018
Completion Status	Not Complete	Report File Name	AMS_200x27_Sect7_C21416140401
VII. ENERGY USE SUMMARY			
This section provides a summary of the energy use for the HVAC, electrical, and lighting systems. The energy use is shown in a table format, including the system name, energy use, and units.			
VIII. INDOOR ENVIRONMENTAL MONITORING (IEM) DATA			
This section provides a summary of the IEM data for the HVAC, electrical, and lighting systems. The data is shown in a table format, including the parameter name, location, and value.			

Project Name	AMS Modular Classroom 200x27_Sect7	NECC-PPF-01-4	Page 4 of 10
Project Address	10000 Sycamore Drive, San Diego, CA 92126	Calculation Date/Time	09/15, Thu, Apr 05, 2018
Completion Status	Not Complete	Report File Name	AMS_200x27_Sect7_C21416140401
IX. INDOOR ENVIRONMENTAL MONITORING (IEM) DATA			
This section provides a summary of the IEM data for the HVAC, electrical, and lighting systems. The data is shown in a table format, including the parameter name, location, and value.			
X. INDOOR ENVIRONMENTAL MONITORING (IEM) DATA			
This section provides a summary of the IEM data for the HVAC, electrical, and lighting systems. The data is shown in a table format, including the parameter name, location, and value.			

Project Name	AMS Modular Classroom 200x27_Sect7	NECC-PPF-01-4	Page 4 of 10
Project Address	10000 Sycamore Drive, San Diego, CA 92126	Calculation Date/Time	09/15, Thu, Apr 05, 2018
Completion Status	Not Complete	Report File Name	AMS_200x27_Sect7_C21416140401
XI. INDOOR ENVIRONMENTAL MONITORING (IEM) DATA			
This section provides a summary of the IEM data for the HVAC, electrical, and lighting systems. The data is shown in a table format, including the parameter name, location, and value.			
XII. INDOOR ENVIRONMENTAL MONITORING (IEM) DATA			
This section provides a summary of the IEM data for the HVAC, electrical, and lighting systems. The data is shown in a table format, including the parameter name, location, and value.			

Project Name	AMS Modular Classroom 200x27_Sect7	NECC-PPF-01-4	Page 4 of 10
Project Address	10000 Sycamore Drive, San Diego, CA 92126	Calculation Date/Time	09/15, Thu, Apr 05, 2018
Completion Status	Not Complete	Report File Name	AMS_200x27_Sect7_C21416140401
XIII. INDOOR ENVIRONMENTAL MONITORING (IEM) DATA			
This section provides a summary of the IEM data for the HVAC, electrical, and lighting systems. The data is shown in a table format, including the parameter name, location, and value.			
XIV. INDOOR ENVIRONMENTAL MONITORING (IEM) DATA			
This section provides a summary of the IEM data for the HVAC, electrical, and lighting systems. The data is shown in a table format, including the parameter name, location, and value.			

Project Name	AMS Modular Classroom 200x27_Sect7	NECC-PPF-01-4	Page 4 of 10
Project Address	10000 Sycamore Drive, San Diego, CA 92126	Calculation Date/Time	09/15, Thu, Apr 05, 2018
Completion Status	Not Complete	Report File Name	AMS_200x27_Sect7_C21416140401
XV. INDOOR ENVIRONMENTAL MONITORING (IEM) DATA			
This section provides a summary of the IEM data for the HVAC, electrical, and lighting systems. The data is shown in a table format, including the parameter name, location, and value.			
XVI. INDOOR ENVIRONMENTAL MONITORING (IEM) DATA			
This section provides a summary of the IEM data for the HVAC, electrical, and lighting systems. The data is shown in a table format, including the parameter name, location, and value.			

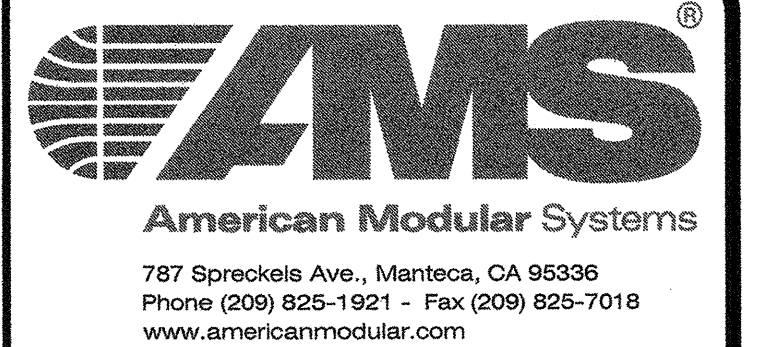
Project Name	AMS Modular Classroom 200x27_Sect7	NECC-PPF-01-4	Page 4 of 10
Project Address	10000 Sycamore Drive, San Diego, CA 92126	Calculation Date/Time	09/15, Thu, Apr 05, 2018
Completion Status	Not Complete	Report File Name	AMS_200x27_Sect7_C21416140401
XVII. INDOOR ENVIRONMENTAL MONITORING (IEM) DATA			
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This section provides a summary of the IEM data for the HVAC, electrical, and lighting systems. The data is shown in a table format, including the parameter name, location, and value.			

Project Name	AMS Modular Classroom 200x27_Sect7	NECC-PPF-01-4	Page 4 of 10
Project Address	10000 Sycamore Drive, San Diego, CA 92126	Calculation Date/Time	09/15, Thu, Apr 05, 2018
Completion Status	Not Complete	Report File Name	AMS_200x27_Sect7_C21416140401
XIX. INDOOR ENVIRONMENTAL MONITORING (IEM) DATA			
This section provides a summary of the IEM data for the HVAC, electrical, and lighting systems. The data is shown in a table format, including the parameter name, location, and value.			
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Project Name	AMS Modular Classroom 200x27_Sect7	NECC-PPF-01-4	Page 4 of 10
Project Address	10000 Sycamore Drive, San Diego, CA 92126	Calculation Date/Time	09/15, Thu, Apr 05, 2018
Completion Status	Not Complete	Report File Name	AMS_200x27_Sect7_C21416140401
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Project Name	AMS Modular Classroom 200x27_Sect7	NECC-PPF-01-4	Page 4 of 10
Project Address	10000 Sycamore Drive, San Diego, CA 92126	Calculation Date/Time	09/15, Thu, Apr 05, 2018
Completion Status	Not Complete	Report File Name	AMS_200x27_Sect7_C21416140401
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Project Name	AMS Modular Classroom 200x27_Sect7	NECC-PPF-01-4	Page 4 of 10
Project Address	10000 Sycamore Drive, San Diego, CA 92126	Calculation Date/Time	09/15, Thu, Apr 05, 2018
Completion Status	Not Complete	Report File Name	AMS_200x27_Sect7_C21416140401
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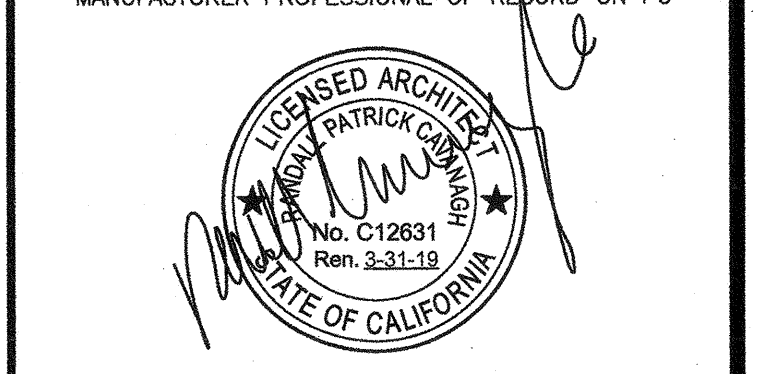
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PRE-CHECKED SET NAME
30'x32' THRU 150'x32' BUILDINGS
Gen7
healthier buildings. smarter.

SITE SPECIFIC PROJECT NAME
SHEET TITLE

ENERGY CALCULATIONS



MANUFACTURER PROFESSIONAL OF RECORD ON PC
APPROVED
DIVISION OF STATE ARCHITECT
HIGH PERFORMANCE SECTION
APP #02-116071 DATE 7/18/18
DATE FEB 05 2018

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APPROVED
DATE FEB 05 2018

ORIGINAL PC STATE AGENCY APPROVAL
IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
DATE 7 10 18

PRE-CHECK (PC) DOCUMENT
CODE: 2016 C82
A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRED

REVISIONS

DRAWN BY: AS NOTED
SCALE: AS NOTED
SHEET NUMBER

EN.3

Project Name:	AMS Modular Classroom 201427_0007	MSDC-PP-01-01	Page 17 of 19
Project Address:	18451, The Ave, 94138	Calculated Date/Time:	08/04/16, 08:00:00
Compliance Scope:	MSDC-PP-01-01	Report File Name:	AMS_201427_0007_CEM_017616.rpt

6. WOODWORK GENERAL INFORMATION

6.1. WOODWORK GENERAL INFORMATION (MSDC-PP-01-01) (Adapted from MSDC-PP-01-01)

6.2. WOODWORK GENERAL INFORMATION (MSDC-PP-01-01) (Adapted from MSDC-PP-01-01)

6.3. WOODWORK GENERAL INFORMATION (MSDC-PP-01-01) (Adapted from MSDC-PP-01-01)

Project Name:	AMS Modular Classroom 201427_0007	MSDC-PP-01-01	Page 17 of 19
Project Address:	18451, The Ave, 94138	Calculated Date/Time:	08/04/16, 08:00:00
Compliance Scope:	MSDC-PP-01-01	Report File Name:	AMS_201427_0007_CEM_017616.rpt

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Project Name:	AMS Modular Classroom 201427_0007	MSDC-PP-01-01	Page 17 of 19
Project Address:	18451, The Ave, 94138	Calculated Date/Time:	08/04/16, 08:00:00
Compliance Scope:	MSDC-PP-01-01	Report File Name:	AMS_201427_0007_CEM_017616.rpt

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Project Name:	AMS Modular Classroom 201427_0007	MSDC-PP-01-01	Page 17 of 19
Project Address:	18451, The Ave, 94138	Calculated Date/Time:	08/04/16, 08:00:00
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Project Name:	AMS Modular Classroom 201427_0007	MSDC-PP-01-01	Page 17 of 19
Project Address:	18451, The Ave, 94138	Calculated Date/Time:	08/04/16, 08:00:00
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Project Name:	AMS Modular Classroom 201427_0007	MSDC-PP-01-01	Page 17 of 19
Project Address:	18451, The Ave, 94138	Calculated Date/Time:	08/04/16, 08:00:00
Compliance Scope:	MSDC-PP-01-01	Report File Name:	AMS_201427_0007_CEM_017616.rpt

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Project Name:	AMS Modular Classroom 201427_0007	MSDC-PP-01-01	Page 17 of 19
Project Address:	18451, The Ave, 94138	Calculated Date/Time:	08/04/16, 08:00:00
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Project Address:	18451, The Ave, 94138	Calculated Date/Time:	08/04/16, 08:00:00
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Project Address:	18451, The Ave, 94138	Calculated Date/Time:	08/04/16, 08:00:00
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Project Address:	18451, The Ave, 94138	Calculated Date/Time:	08/04/16, 08:00:00
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Project Address:	18451, The Ave, 94138	Calculated Date/Time:	08/04/16, 08:00:00
Compliance Scope:	MSDC-PP-01-01	Report File Name:	AMS_201427_0007_CEM_017616.rpt

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Project Name:	AMS Modular Classroom 201427_0007	MSDC-PP-01-01	Page 17 of 19
Project Address:	18451, The Ave, 94138	Calculated Date/Time:	08/04/16, 08:00:00
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American Modular Systems
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PRE-CHECKED SET NAME
30'x32' THRU 150'x32' BUILDINGS




Gen7
Building Methods Redefined

SITE SPECIFIC PROJECT NAME

SHEET TITLE
ENERGY CALCULATIONS

MANUFACTURER PROFESSIONAL OF RECORD ON PC



APPROVED
DIVISION OF STATE ARCHITECT
HIGH PERFORMANCE SECTION
APP 02-116011-18-19

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PROJECT SPECIFIC STATE AGENCY APPROVAL

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT

APPROVED
DATE FEB 03 2019

ORIGINAL PC STATE AGENCY APPROVAL

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT

PC 02-116011

DATE 7 10 18

PRE-CHECK (PC) DOCUMENT
CODE: 2016 CBC
A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRED.

REVISIONS

DATE: AS NOTED

SHEET NUMBER

EN.4

Project Name: AMS Modular Classroom #242
 Project Address: Blue Canyon
 Completion Scope: New Construction
 Project File Name: AMS_2023-03-16-0104

Page 21 of 28
 Calculation Date/Time: 04/05/23, 10:49:04 AM
 Report File Name: AMS_2023-03-16-0104

1. UNIFORM ILLUMINATION SUMMARY (Per ASHRAE 90.1-2019)

Room No.	Room Name	Area (sq ft)	Area (sq m)	Room Volume (cu ft)	Room Volume (cu m)	Room Height (ft)	Room Height (m)	Room Type	Room Category	Room Use	Room Use Description	Room Use Category	Room Use Description	Room Use Category	Room Use Description
101	Classroom	1000	93.0	10000	930	10	3.0	Classroom	Classroom	Classroom	Classroom	Classroom	Classroom	Classroom	

Project Name: AMS Modular Classroom #242
 Project Address: Blue Canyon
 Completion Scope: New Construction
 Project File Name: AMS_2023-03-16-0104

Page 22 of 28
 Calculation Date/Time: 04/05/23, 10:49:04 AM
 Report File Name: AMS_2023-03-16-0104

2. UNIFORM ILLUMINATION SUMMARY (Per ASHRAE 90.1-2019)

Room No.	Room Name	Area (sq ft)	Area (sq m)	Room Volume (cu ft)	Room Volume (cu m)	Room Height (ft)	Room Height (m)	Room Type	Room Category	Room Use	Room Use Description	Room Use Category	Room Use Description	Room Use Category	Room Use Description
102	Classroom	1000	93.0	10000	930	10	3.0	Classroom	Classroom	Classroom	Classroom	Classroom	Classroom	Classroom	

Project Name: AMS Modular Classroom #242
 Project Address: Blue Canyon
 Completion Scope: New Construction
 Project File Name: AMS_2023-03-16-0104

Page 23 of 28
 Calculation Date/Time: 04/05/23, 10:49:04 AM
 Report File Name: AMS_2023-03-16-0104

3. UNIFORM ILLUMINATION SUMMARY (Per ASHRAE 90.1-2019)

Room No.	Room Name	Area (sq ft)	Area (sq m)	Room Volume (cu ft)	Room Volume (cu m)	Room Height (ft)	Room Height (m)	Room Type	Room Category	Room Use	Room Use Description	Room Use Category	Room Use Description	Room Use Category	Room Use Description
103	Classroom	1000	93.0	10000	930	10	3.0	Classroom	Classroom	Classroom	Classroom	Classroom	Classroom	Classroom	

Project Name: AMS Modular Classroom #242
 Project Address: Blue Canyon
 Completion Scope: New Construction
 Project File Name: AMS_2023-03-16-0104

Page 24 of 28
 Calculation Date/Time: 04/05/23, 10:49:04 AM
 Report File Name: AMS_2023-03-16-0104

4. UNIFORM ILLUMINATION SUMMARY (Per ASHRAE 90.1-2019)

Room No.	Room Name	Area (sq ft)	Area (sq m)	Room Volume (cu ft)	Room Volume (cu m)	Room Height (ft)	Room Height (m)	Room Type	Room Category	Room Use	Room Use Description	Room Use Category	Room Use Description	Room Use Category	Room Use Description
104	Classroom	1000	93.0	10000	930	10	3.0	Classroom	Classroom	Classroom	Classroom	Classroom	Classroom	Classroom	

Project Name: AMS Modular Classroom #242
 Project Address: Blue Canyon
 Completion Scope: New Construction
 Project File Name: AMS_2023-03-16-0104

Page 25 of 28
 Calculation Date/Time: 04/05/23, 10:49:04 AM
 Report File Name: AMS_2023-03-16-0104

5. UNIFORM ILLUMINATION SUMMARY (Per ASHRAE 90.1-2019)

Room No.	Room Name	Area (sq ft)	Area (sq m)	Room Volume (cu ft)	Room Volume (cu m)	Room Height (ft)	Room Height (m)	Room Type	Room Category	Room Use	Room Use Description	Room Use Category	Room Use Description	Room Use Category	Room Use Description
105	Classroom	1000	93.0	10000	930	10	3.0	Classroom	Classroom	Classroom	Classroom	Classroom	Classroom	Classroom	

Project Name: AMS Modular Classroom #242
 Project Address: Blue Canyon
 Completion Scope: New Construction
 Project File Name: AMS_2023-03-16-0104

Page 26 of 28
 Calculation Date/Time: 04/05/23, 10:49:04 AM
 Report File Name: AMS_2023-03-16-0104

6. UNIFORM ILLUMINATION SUMMARY (Per ASHRAE 90.1-2019)

Room No.	Room Name	Area (sq ft)	Area (sq m)	Room Volume (cu ft)	Room Volume (cu m)	Room Height (ft)	Room Height (m)	Room Type	Room Category	Room Use	Room Use Description	Room Use Category	Room Use Description	Room Use Category	Room Use Description
106	Classroom	1000	93.0	10000	930	10	3.0	Classroom	Classroom	Classroom	Classroom	Classroom	Classroom	Classroom	

Project Name: AMS Modular Classroom #242
 Project Address: Blue Canyon
 Completion Scope: New Construction
 Project File Name: AMS_2023-03-16-0104

Page 27 of 28
 Calculation Date/Time: 04/05/23, 10:49:04 AM
 Report File Name: AMS_2023-03-16-0104

7. UNIFORM ILLUMINATION SUMMARY (Per ASHRAE 90.1-2019)

Room No.	Room Name	Area (sq ft)	Area (sq m)	Room Volume (cu ft)	Room Volume (cu m)	Room Height (ft)	Room Height (m)	Room Type	Room Category	Room Use	Room Use Description	Room Use Category	Room Use Description	Room Use Category	Room Use Description
107	Classroom	1000	93.0	10000	930	10	3.0	Classroom	Classroom	Classroom	Classroom	Classroom	Classroom	Classroom	

Project Name: AMS Modular Classroom #242
 Project Address: Blue Canyon
 Completion Scope: New Construction
 Project File Name: AMS_2023-03-16-0104

Page 28 of 28
 Calculation Date/Time: 04/05/23, 10:49:04 AM
 Report File Name: AMS_2023-03-16-0104

8. UNIFORM ILLUMINATION SUMMARY (Per ASHRAE 90.1-2019)

Room No.	Room Name	Area (sq ft)	Area (sq m)	Room Volume (cu ft)	Room Volume (cu m)	Room Height (ft)	Room Height (m)	Room Type	Room Category	Room Use	Room Use Description	Room Use Category	Room Use Description	Room Use Category	Room Use Description
108	Classroom	1000	93.0	10000	930	10	3.0	Classroom	Classroom	Classroom	Classroom	Classroom	Classroom	Classroom	

AMS
 American Modular Systems
 787 Spreckels Ave., Manteca, CA 95236
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PRE-CHECKED SET NAME
 30'x32' THRU 150'x32' BUILDINGS

Gen7
 Healthy Schools. Healthier Future.

SITE SPECIFIC PROJECT NAME

SHEET TITLE

ENERGY CALCULATIONS

MANUFACTURER PROFESSIONAL OF RECORD ON PC

THESE DRAWINGS ARE PRELIMINARY AND NOT FOR CONSTRUCTION UNLESS SHIPPED & SIGNED BY THE DESIGNER OF RECORD.

PROJECT SPECIFIC STATE AGENCY APPROVAL

IDENTIFICATION STAMP
 DIV. OF THE STATE ARCHITECT
 APPROX 219722
 AC FLS SS BY
 DATE FEB 05 2018

ORIGINAL PC STATE AGENCY APPROVAL

IDENTIFICATION STAMP
 DIV. OF THE STATE ARCHITECT
 PC 02-116071
 AC FLS SS BY
 DATE 7 10 18

PRE-CHECK (PC) DOCUMENT
 CODE 2018 C680
 A SEPARATE PRE-CHECK APPLICATION FOR CONSTRUCTION IS REQUIRED.

REVISIONS

SCALE: AS NOTED

DATE:

SHEET NUMBER
 EN.5

Project Name: AMS Modular Classroom 20202_067
Project Address: Blue Canyon
Completion Date: 04/26/2020

Building Component	Code Reference	Compliance Status	Notes
50 Interior Electrical (wiring and related)	NESC-401-0.1	Yes	
51 Interior Electrical (panels and related)	NESC-401-0.2	Yes	
52 Interior Electrical (switchgear and related)	NESC-401-0.3	Yes	
53 Interior Electrical (motors and related)	NESC-401-0.4	Yes	
54 Interior Electrical (control panels and related)	NESC-401-0.5	Yes	
55 Interior Electrical (transformers and related)	NESC-401-0.6	Yes	
56 Interior Electrical (miscellaneous equipment and related)	NESC-401-0.7	Yes	
57 Interior Electrical (special systems and related)	NESC-401-0.8	Yes	

Building Component	Code Reference	Compliance Status	Notes
Lighting	NESC-401-0.1	Yes	
Lighting Control System	NESC-401-0.1	Yes	
Lighting Fixtures	NESC-401-0.1	Yes	
Lighting Controls	NESC-401-0.1	Yes	
Lighting Wiring	NESC-401-0.1	Yes	
Lighting Enclosures	NESC-401-0.1	Yes	
Lighting Components	NESC-401-0.1	Yes	
Lighting Accessories	NESC-401-0.1	Yes	

Building Component	Code Reference	Compliance Status	Notes
Lighting	NESC-401-0.1	Yes	
Lighting Control System	NESC-401-0.1	Yes	
Lighting Fixtures	NESC-401-0.1	Yes	
Lighting Controls	NESC-401-0.1	Yes	
Lighting Wiring	NESC-401-0.1	Yes	
Lighting Enclosures	NESC-401-0.1	Yes	
Lighting Components	NESC-401-0.1	Yes	
Lighting Accessories	NESC-401-0.1	Yes	

Building Component	Code Reference	Compliance Status	Notes
Lighting	NESC-401-0.1	Yes	
Lighting Control System	NESC-401-0.1	Yes	
Lighting Fixtures	NESC-401-0.1	Yes	
Lighting Controls	NESC-401-0.1	Yes	
Lighting Wiring	NESC-401-0.1	Yes	
Lighting Enclosures	NESC-401-0.1	Yes	
Lighting Components	NESC-401-0.1	Yes	
Lighting Accessories	NESC-401-0.1	Yes	

CA Building Energy Efficiency Standards - 2016 International CodeBook

CA Building Energy Efficiency Standards - 2016 International CodeBook

CA Building Energy Efficiency Standards - 2016 International CodeBook

CA Building Energy Efficiency Standards - 2016 International CodeBook

Building Component	Code Reference	Compliance Status	Notes
50 Interior Electrical (wiring and related)	NESC-401-0.1	Yes	
51 Interior Electrical (panels and related)	NESC-401-0.2	Yes	
52 Interior Electrical (switchgear and related)	NESC-401-0.3	Yes	
53 Interior Electrical (motors and related)	NESC-401-0.4	Yes	
54 Interior Electrical (control panels and related)	NESC-401-0.5	Yes	
55 Interior Electrical (transformers and related)	NESC-401-0.6	Yes	
56 Interior Electrical (miscellaneous equipment and related)	NESC-401-0.7	Yes	
57 Interior Electrical (special systems and related)	NESC-401-0.8	Yes	

Building Component	Code Reference	Compliance Status	Notes
Lighting	NESC-401-0.1	Yes	
Lighting Control System	NESC-401-0.1	Yes	
Lighting Fixtures	NESC-401-0.1	Yes	
Lighting Controls	NESC-401-0.1	Yes	
Lighting Wiring	NESC-401-0.1	Yes	
Lighting Enclosures	NESC-401-0.1	Yes	
Lighting Components	NESC-401-0.1	Yes	
Lighting Accessories	NESC-401-0.1	Yes	

Building Component	Code Reference	Compliance Status	Notes
Lighting	NESC-401-0.1	Yes	
Lighting Control System	NESC-401-0.1	Yes	
Lighting Fixtures	NESC-401-0.1	Yes	
Lighting Controls	NESC-401-0.1	Yes	
Lighting Wiring	NESC-401-0.1	Yes	
Lighting Enclosures	NESC-401-0.1	Yes	
Lighting Components	NESC-401-0.1	Yes	
Lighting Accessories	NESC-401-0.1	Yes	

Building Component	Code Reference	Compliance Status	Notes
Lighting	NESC-401-0.1	Yes	
Lighting Control System	NESC-401-0.1	Yes	
Lighting Fixtures	NESC-401-0.1	Yes	
Lighting Controls	NESC-401-0.1	Yes	
Lighting Wiring	NESC-401-0.1	Yes	
Lighting Enclosures	NESC-401-0.1	Yes	
Lighting Components	NESC-401-0.1	Yes	
Lighting Accessories	NESC-401-0.1	Yes	

Building Component	Code Reference	Compliance Status	Notes
Lighting	NESC-401-0.1	Yes	
Lighting Control System	NESC-401-0.1	Yes	
Lighting Fixtures	NESC-401-0.1	Yes	
Lighting Controls	NESC-401-0.1	Yes	
Lighting Wiring	NESC-401-0.1	Yes	
Lighting Enclosures	NESC-401-0.1	Yes	
Lighting Components	NESC-401-0.1	Yes	
Lighting Accessories	NESC-401-0.1	Yes	

Building Component	Code Reference	Compliance Status	Notes
Lighting	NESC-401-0.1	Yes	
Lighting Control System	NESC-401-0.1	Yes	
Lighting Fixtures	NESC-401-0.1	Yes	
Lighting Controls	NESC-401-0.1	Yes	
Lighting Wiring	NESC-401-0.1	Yes	
Lighting Enclosures	NESC-401-0.1	Yes	
Lighting Components	NESC-401-0.1	Yes	
Lighting Accessories	NESC-401-0.1	Yes	

Building Component	Code Reference	Compliance Status	Notes
Lighting	NESC-401-0.1	Yes	
Lighting Control System	NESC-401-0.1	Yes	
Lighting Fixtures	NESC-401-0.1	Yes	
Lighting Controls	NESC-401-0.1	Yes	
Lighting Wiring	NESC-401-0.1	Yes	
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Lighting Components	NESC-401-0.1	Yes	
Lighting Accessories	NESC-401-0.1	Yes	

Building Component	Code Reference	Compliance Status	Notes
Lighting	NESC-401-0.1	Yes	
Lighting Control System	NESC-401-0.1	Yes	
Lighting Fixtures	NESC-401-0.1	Yes	
Lighting Controls	NESC-401-0.1	Yes	
Lighting Wiring	NESC-401-0.1	Yes	
Lighting Enclosures	NESC-401-0.1	Yes	
Lighting Components	NESC-401-0.1	Yes	
Lighting Accessories	NESC-401-0.1	Yes	

CA Building Energy Efficiency Standards - 2016 International CodeBook

CA Building Energy Efficiency Standards - 2016 International CodeBook

CA Building Energy Efficiency Standards - 2016 International CodeBook

CA Building Energy Efficiency Standards - 2016 International CodeBook

87 Breckels Ave., Manteca, CA 95336
Phone (209) 825-1921 • Fax (209) 825-7018
www.amermodular.com

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PRE-CHECKED SET NAME

30'x32' THRU 150'x32' BUILDINGS

Gen7

Site Specific Project Name

Sheet Title

ENERGY CALCULATIONS

Manufacturer Professional of Record on PC

THESE DRAWINGS ARE PRELIMINARY AND NOT FOR CONSTRUCTION UNLESS STAMPED & SIGNED BY THE ENGINEER OF RECORD.

PROJECT SPECIFIC STATE AGENCY APPROVAL

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APPROVED
APP # 119733
AC 7/10/18
DATE FEB 05 2018

ORIGINAL PG. STATE AGENCY APPROVAL

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
PC 02-118071
DATE 7 10 18

PRE-CHECK (PC) DOCUMENT
CODE: 2016 C82
A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRED

REVISIONS

DRAWN BY: AS NOTED

DATE: SHEET NUMBER

EN.6

Project Name:	AMS Modular Classroom 30x32_041	MSCC-PR-01-0	Page 14 of 14
Project Address:	Blue Canyon	California State Time:	08/29, Fri, Apr 09, 2016
Project Contact:	Blue Canyon	Project Manager:	AMS_30x32_01_01_01_01

MECHANICAL VENTILATION AND REMOVAL EQUIPMENT (MVR) - 2016 ASHRAE 62.1-2016					
System ID	System Name	System Type	Room	Area (sq ft)	CFM
1	Classroom 1	MVR	Classroom 1	1,000	100
2	Classroom 2	MVR	Classroom 2	1,000	100
3	Classroom 3	MVR	Classroom 3	1,000	100

GENERAL LIGHTING POWER (AS PER MSCC-01-04-01)					
Room	Area (sq ft)	Power (W)	Power (VA)	Power (kVA)	Power (kW)
Classroom 1	1,000	100	100	0.1	0.1
Classroom 2	1,000	100	100	0.1	0.1
Classroom 3	1,000	100	100	0.1	0.1

Project Name:	AMS Modular Classroom 30x32_041	MSCC-PR-01-0	Page 14 of 14
Project Address:	Blue Canyon	California State Time:	08/29, Fri, Apr 09, 2016
Project Contact:	Blue Canyon	Project Manager:	AMS_30x32_01_01_01_01

MECHANICAL VENTILATION AND REMOVAL EQUIPMENT (MVR) - 2016 ASHRAE 62.1-2016					
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Classroom 3	1,000	100	100	0.1	0.1

Project Name:	AMS Modular Classroom 30x32_041	MSCC-PR-01-0	Page 14 of 14
Project Address:	Blue Canyon	California State Time:	08/29, Fri, Apr 09, 2016
Project Contact:	Blue Canyon	Project Manager:	AMS_30x32_01_01_01_01

MECHANICAL VENTILATION AND REMOVAL EQUIPMENT (MVR) - 2016 ASHRAE 62.1-2016					
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Project Name:	AMS Modular Classroom 30x32_041	MSCC-PR-01-0	Page 14 of 14
Project Address:	Blue Canyon	California State Time:	08/29, Fri, Apr 09, 2016
Project Contact:	Blue Canyon	Project Manager:	AMS_30x32_01_01_01_01

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PRE-CHECKED STATE
30x32 THRU 150x32' BUILDINGS
Gen7
 SITE SPECIFIC PROJECT NAME

Project Name:	AMS Modular Classroom 30x32_041	MSCC-PR-01-0	Page 14 of 14
Project Address:	Blue Canyon	California State Time:	08/29, Fri, Apr 09, 2016
Project Contact:	Blue Canyon	Project Manager:	AMS_30x32_01_01_01_01

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Project Name:	AMS Modular Classroom 30x32_041	MSCC-PR-01-0	Page 14 of 14
Project Address:	Blue Canyon	California State Time:	08/29, Fri, Apr 09, 2016
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Project Name:	AMS Modular Classroom 30x32_041	MSCC-PR-01-0	Page 14 of 14
Project Address:	Blue Canyon	California State Time:	08/29, Fri, Apr 09, 2016
Project Contact:	Blue Canyon	Project Manager:	AMS_30x32_01_01_01_01

MECHANICAL VENTILATION AND REMOVAL EQUIPMENT (MVR) - 2016 ASHRAE 62.1-2016					
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3	Classroom 3	MVR	Classroom 3	1,000	100

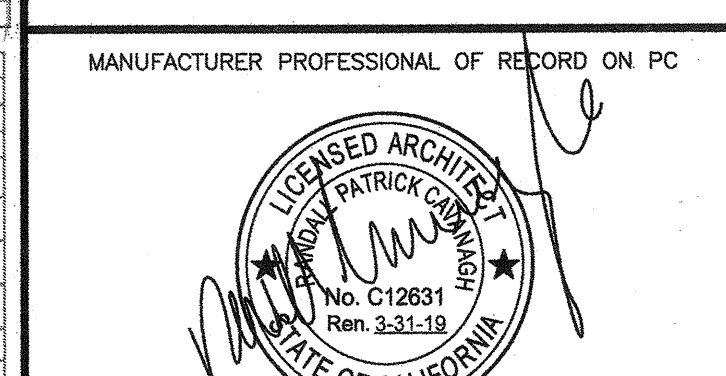
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Classroom 3	1,000	100	100	0.1	0.1

Project Name:	AMS Modular Classroom 30x32_041	MSCC-PR-01-0	Page 14 of 14
Project Address:	Blue Canyon	California State Time:	08/29, Fri, Apr 09, 2016
Project Contact:	Blue Canyon	Project Manager:	AMS_30x32_01_01_01_01

MECHANICAL VENTILATION AND REMOVAL EQUIPMENT (MVR) - 2016 ASHRAE 62.1-2016					
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Classroom 2	1,000	100	100	0.1	0.1
Classroom 3	1,000	100	100	0.1	0.1

SHEET TITLE
ENERGY CALCULATIONS



IDENTIFICATION STAMP
 DIV. OF THE STATE ARCHITECT
 APPROVED
 DIVISION OF STATE ARCHITECT
 HIGH PERFORMANCE SECTION
 APP # 02-116071
 DATE FEB 15 2019

ORIGINAL PC STATE AGENCY APPROVAL
 IDENTIFICATION STAMP
 DIV. OF THE STATE ARCHITECT
 APPROVED
 DIVISION OF STATE ARCHITECT
 HIGH PERFORMANCE SECTION
 APP # 02-116071
 DATE FEB 15 2019

PRE-CHECK (PC) DOCUMENT
 CODE 2016 CBC
 A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRED.

REVISIONS
 DRAWN BY: AS NOTED
 SCALE: AS NOTED
 DATE: SHEET NUMBER
EN.7

INDOOR LIGHTING - LIGHTING CONTROLS
PROJECT: AMB Modular Classroom 30'x32' Est Lot
DATE: 11/20/2016

INDOOR LIGHTING - LIGHTING CONTROLS
PROJECT: AMB Modular Classroom 30'x32' Est Lot
DATE: 11/20/2016

INDOOR LIGHTING - LIGHTING CONTROLS
PROJECT: AMB Modular Classroom 30'x32' Est Lot
DATE: 11/20/2016

INDOOR LIGHTING POWER ALLOWANCE
PROJECT: AMB Modular Classroom 30'x32' Est Lot
DATE: 11/20/2016

AMS American Modular Systems
787 Spreckels Ave, Manteca, CA 95236
PHONE (209) 825-1921 FAX (209) 825-7018
www.americamodular.com

INDOOR LIGHTING POWER ALLOWANCE
PROJECT: AMB Modular Classroom 30'x32' Est Lot
DATE: 11/20/2016

INDOOR LIGHTING POWER ALLOWANCE
PROJECT: AMB Modular Classroom 30'x32' Est Lot
DATE: 11/20/2016

INDOOR LIGHTING POWER ALLOWANCE
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DATE: 11/20/2016

INDOOR LIGHTING POWER ALLOWANCE
PROJECT: AMB Modular Classroom 30'x32' Est Lot
DATE: 11/20/2016

ENERGY CALCULATIONS
MANUFACTURER PROFESSIONAL OF RECORD ON PC
APPROVED ARCHITECT
DATE FEB 05 2019

OUTDOOR LIGHTING
PROJECT: AMB Modular Classroom 30'x32' Est Lot
DATE: 11/20/2016

OUTDOOR LIGHTING
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PROJECT: AMB Modular Classroom 30'x32' Est Lot
DATE: 11/20/2016

OUTDOOR LIGHTING CONTROLS
PROJECT: AMB Modular Classroom 30'x32' Est Lot
DATE: 11/20/2016

IDENTIFICATION STAMP
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APPROVED ARCHITECT
DATE FEB 05 2019

STATE OF CALIFORNIA
OUTDOOR LIGHTING CONTROLS
CERTIFICATE OF COMPLIANCE
Project Name: 3016 AMS 30x32
Date Prepared: 11/02/2017

OUTDOOR LIGHTING CONTROL SCHEDULE AND FIELD INSTALLATION CHECKLIST

Item	Control Schedule	Field Installation
1. All lighting fixtures are labeled with the following information: a. Manufacturer's name b. Model number c. Voltage d. Wattage e. Color temperature (K) <td><input type="checkbox"/></td> <td><input type="checkbox"/></td>	<input type="checkbox"/>	<input type="checkbox"/>
2. All lighting fixtures are labeled with the following information: a. Input voltage b. Output voltage c. Input current d. Output current e. Power factor <td><input type="checkbox"/></td> <td><input type="checkbox"/></td>	<input type="checkbox"/>	<input type="checkbox"/>
3. All lighting fixtures are labeled with the following information: a. Input voltage b. Output voltage c. Input current d. Output current e. Power factor <td><input type="checkbox"/></td> <td><input type="checkbox"/></td>	<input type="checkbox"/>	<input type="checkbox"/>

STATE OF CALIFORNIA
OUTDOOR LIGHTING CONTROLS
CERTIFICATE OF COMPLIANCE
Project Name: 3016 AMS 30x32
Date Prepared: 11/02/2017

OUTDOOR LIGHTING POWER ALLOWANCES

Area	Area Description	Area Type	Area Code	Area Status
1	Classroom	Classroom	10	0
2	Office	Office	15	0
3	Corridor	Corridor	20	0

STATE OF CALIFORNIA
OUTDOOR LIGHTING POWER ALLOWANCES
CERTIFICATE OF COMPLIANCE
Project Name: 3016 AMS 30x32
Date Prepared: 11/02/2017

OUTDOOR LIGHTING POWER ALLOWANCES

Area	Area Description	Area Type	Area Code	Area Status
1	Classroom	Classroom	10	0
2	Office	Office	15	0
3	Corridor	Corridor	20	0

STATE OF CALIFORNIA
OUTDOOR LIGHTING POWER ALLOWANCES
CERTIFICATE OF COMPLIANCE
Project Name: 3016 AMS 30x32
Date Prepared: 11/02/2017

OUTDOOR LIGHTING POWER ALLOWANCES

Area	Area Description	Area Type	Area Code	Area Status
1	Classroom	Classroom	10	0
2	Office	Office	15	0
3	Corridor	Corridor	20	0

STATE OF CALIFORNIA
OUTDOOR LIGHTING POWER ALLOWANCES
CERTIFICATE OF COMPLIANCE
Project Name: 3016 AMS 30x32
Date Prepared: 11/02/2017

WATER-RESISTANCE ALLOWANCE FOR WATER-RESISTANT LIGHTING

Area	Area Description	Area Type	Area Code	Area Status
1	Classroom	Classroom	10	0
2	Office	Office	15	0
3	Corridor	Corridor	20	0

STATE OF CALIFORNIA
OUTDOOR LIGHTING POWER ALLOWANCES
CERTIFICATE OF COMPLIANCE
Project Name: 3016 AMS 30x32
Date Prepared: 11/02/2017

WATER-RESISTANCE ALLOWANCE FOR WATER-RESISTANT LIGHTING

Area	Area Description	Area Type	Area Code	Area Status
1	Classroom	Classroom	10	0
2	Office	Office	15	0
3	Corridor	Corridor	20	0

STATE OF CALIFORNIA
OUTDOOR LIGHTING POWER ALLOWANCES
CERTIFICATE OF COMPLIANCE
Project Name: 3016 AMS 30x32
Date Prepared: 11/02/2017

WATER-RESISTANCE ALLOWANCE FOR WATER-RESISTANT LIGHTING

Area	Area Description	Area Type	Area Code	Area Status
1	Classroom	Classroom	10	0
2	Office	Office	15	0
3	Corridor	Corridor	20	0

STATE OF CALIFORNIA
OUTDOOR LIGHTING POWER ALLOWANCES
CERTIFICATE OF COMPLIANCE
Project Name: 3016 AMS 30x32
Date Prepared: 11/02/2017

WATER-RESISTANCE ALLOWANCE FOR WATER-RESISTANT LIGHTING

Area	Area Description	Area Type	Area Code	Area Status
1	Classroom	Classroom	10	0
2	Office	Office	15	0
3	Corridor	Corridor	20	0

STATE OF CALIFORNIA
Electrical Power Distribution
CERTIFICATE OF COMPLIANCE
Project Name: 3016 AMS 30x32
Date Prepared: 12/07/2017

ELECTRICAL POWER DISTRIBUTION

1. This design complies with all applicable codes and standards.
2. The design complies with all applicable codes and standards.
3. The design complies with all applicable codes and standards.

STATE OF CALIFORNIA
Electrical Power Distribution
CERTIFICATE OF COMPLIANCE
Project Name: 3016 AMS 30x32
Date Prepared: 12/07/2017

ELECTRICAL POWER DISTRIBUTION

1. This design complies with all applicable codes and standards.
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STATE OF CALIFORNIA
Electrical Power Distribution
CERTIFICATE OF COMPLIANCE
Project Name: 3016 AMS 30x32
Date Prepared: 12/07/2017

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STATE OF CALIFORNIA
Electrical Power Distribution
CERTIFICATE OF COMPLIANCE
Project Name: 3016 AMS 30x32
Date Prepared: 12/07/2017

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PRE-CHECKED SET NAME
30'x32' THRU 150'x32' BUILDINGS
Gen7
Manufactured by American Modular Systems

SITE SPECIFIC PROJECT NAME

SHEET TITLE
ENERGY CALCULATIONS

MANUFACTURER PROFESSIONAL OF RECORD ON PC

SEALED ARCHITECT
M. PATRICK CORRY, INC.
No. C12831
Exp. 3/31/19
STATE OF CALIFORNIA

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PROJECT SPECIFIC STATE AGENCY APPROVAL

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APPROX 119722
AC 2
DATE FEB 15 2018

ORIGINAL PC STATE AGENCY APPROVAL

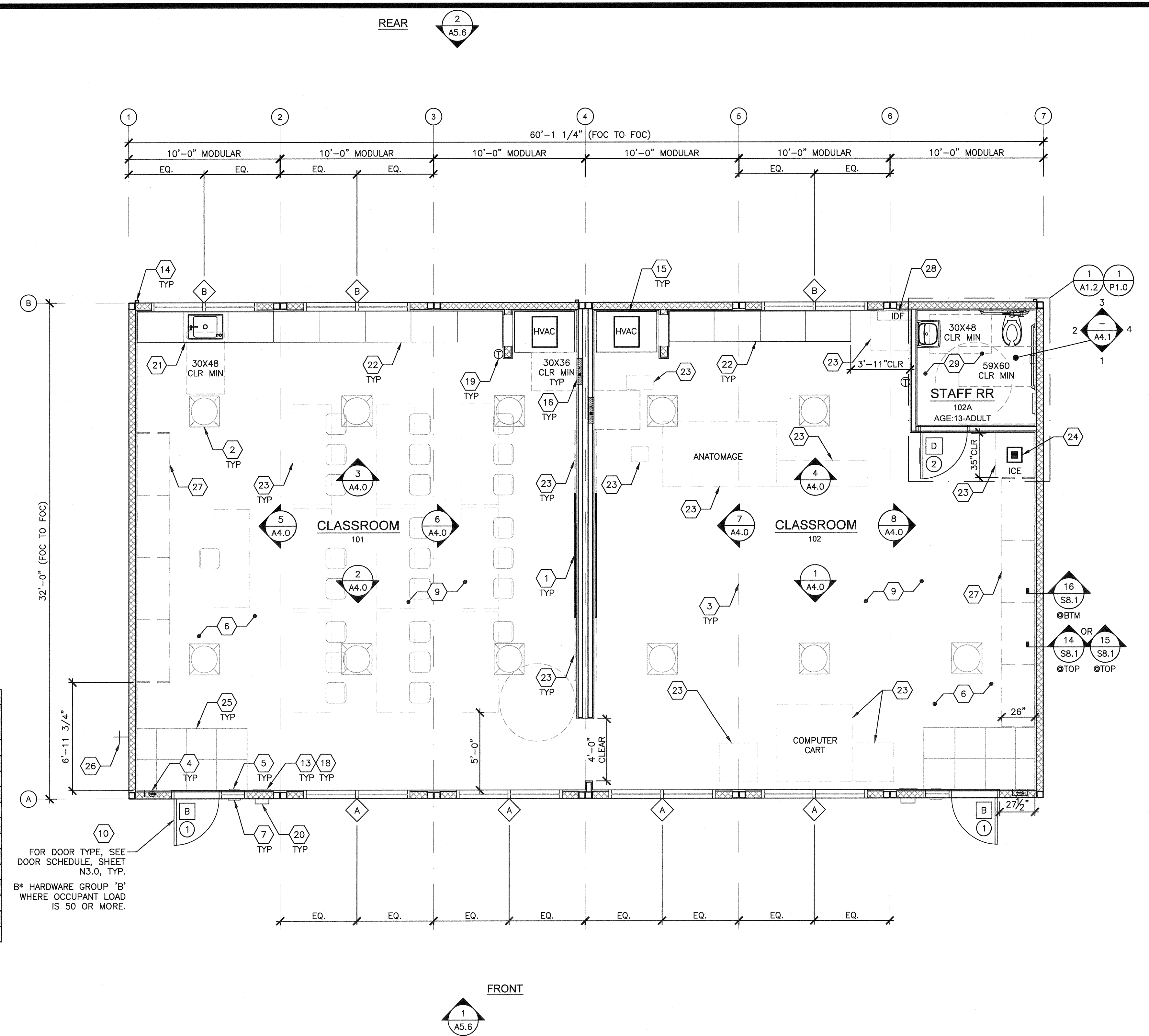
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DIV. OF THE STATE ARCHITECT
PC 02-166071
DATE 7 10 18

PRE-CHECK (PC) DOCUMENT
CODE 2016 CBC
A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRED.

REVISIONS

SCALE BY: AS NOTED
DATE: SHEET NUMBER

EN.9



BUILDING SIZE SCHEDULE			
BUILDING SIZE	TOTAL # OF 10'-0" WIDE MODULES	TOTAL # OF CENTER MODULES	TOTAL FNDN WIDTH
30'x32'	3	1	30'-3/4"
40'x32'	4	2	40'-1"
50'x32'	5	3	50'-1 1/4"
60'x32'	6	4	60'-1 1/2"
70'x32'	7	5	70'-1 3/4"
80'x32'	8	6	80'-2"
90'x32'	9	7	90'-2 1/4"
100'x32'	10	8	100'-2 1/2"
110'x32'	11	9	110'-2 3/4"
120'x32'	12	10	120'-3"
130'x32'	13	11	130'-3 1/4"
140'x32'	14	12	140'-3 1/2"
150'x32'	15	13	150'-3 3/4"

NOTES:
 1. TOTAL BUILDING WIDTH INCLUDES 1/4" PER MODULAR CONSTRUCTION TOLERANCE PER FOUNDATION SHEETS S1.1, S1.2, & S1.3.

- 1 8"x5' MARKER BOARDS - SEE SHEET A4.0
- 2 SOLATUBE ABOVE - SEE SHEET NOTE #7
- 3 TYP. MOD LINE
- 4 FIRE EXTINGUISHER - TOP OF HANDLE @ +48" A.F.F. 4" MAX PROTRUSION FROM WALL IF BOTTOM OF FIRE EXTINGUISHER IS ABOVE 27" A.F.F.
- 5 TACTILE EXIT SIGN PER DETAIL 10/N4.0 (BY OTHERS)
- 6 EGRESS AREA
- 7 ROOM SIGNAGE AND I.S.A. PER DETAILS 5/6/9/N4.0 (BY OTHERS)
- 8 NOT USED
- 9 VCT FLOORING
- 10 EGRESS DOOR
- 11 NOT USED
- 12 NOT USED
- 13 OCCUPANT LOAD SIGN PER DETAIL 11/N4.0 (BY OTHERS)
- 14 DOWNSPOUT-DISCHARGE TO SPLASH BLOCK U.O.N.(QTY AND LOC. MAY VARY)
- 15 HVAC - SEE MECHANICAL
- 16 ELECTRICAL PANEL (LOCATION MAY VARY)
- 17 NOT USED
- 18 FLOOR LIVE LOAD & SNOW LOAD SIGN PER 2016 CBC SECTION 106.1 (FLOOR LIVE LOAD SIGN IS REQUIRED ONLY FOR COMMERCIAL OR INSTITUTIONAL BUILDINGS DESIGNED WITH LIVE LOADS EXCEEDING 50 PSF)
- 19 THERMOSTAT - 48" A.F.F. @ TOP OF BOX
- 20 EXTERIOR LIGHT
- 21 CASEWORK W/SINK - REFER TO A7.1 FOR BLOCKING AND 17/-
- 22 CASEWORK - REFER TO A7.1 FOR BLOCKING
- 23 EQUIPMENT & FURNITURE (BY OTHERS)
- 24 FLOOR SINK - REFER TO P1.0
- 25 WALK OFF MAT
- 26 HOSE BIBB - REFER TO P1.0
- 27 TEACHING WALL: 16'-1 1/2" L x 26" W (BY OTHERS); AMS TO PROVIDE BLOCKING
- 28 IDF CABINET (BY OTHERS); AMS TO PROVIDE BLOCKING
- 29 CERAMIC TILE FLOORING

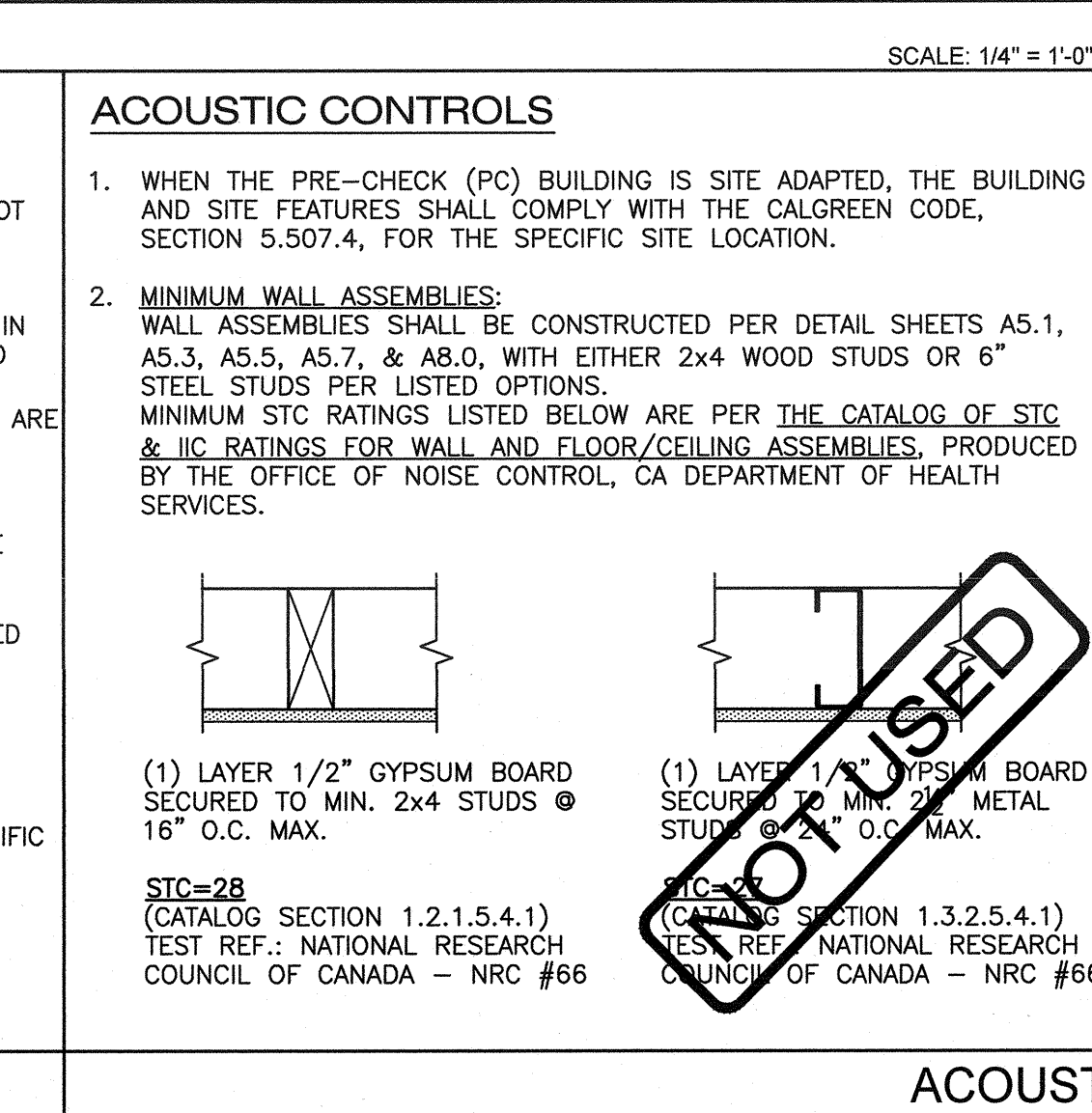
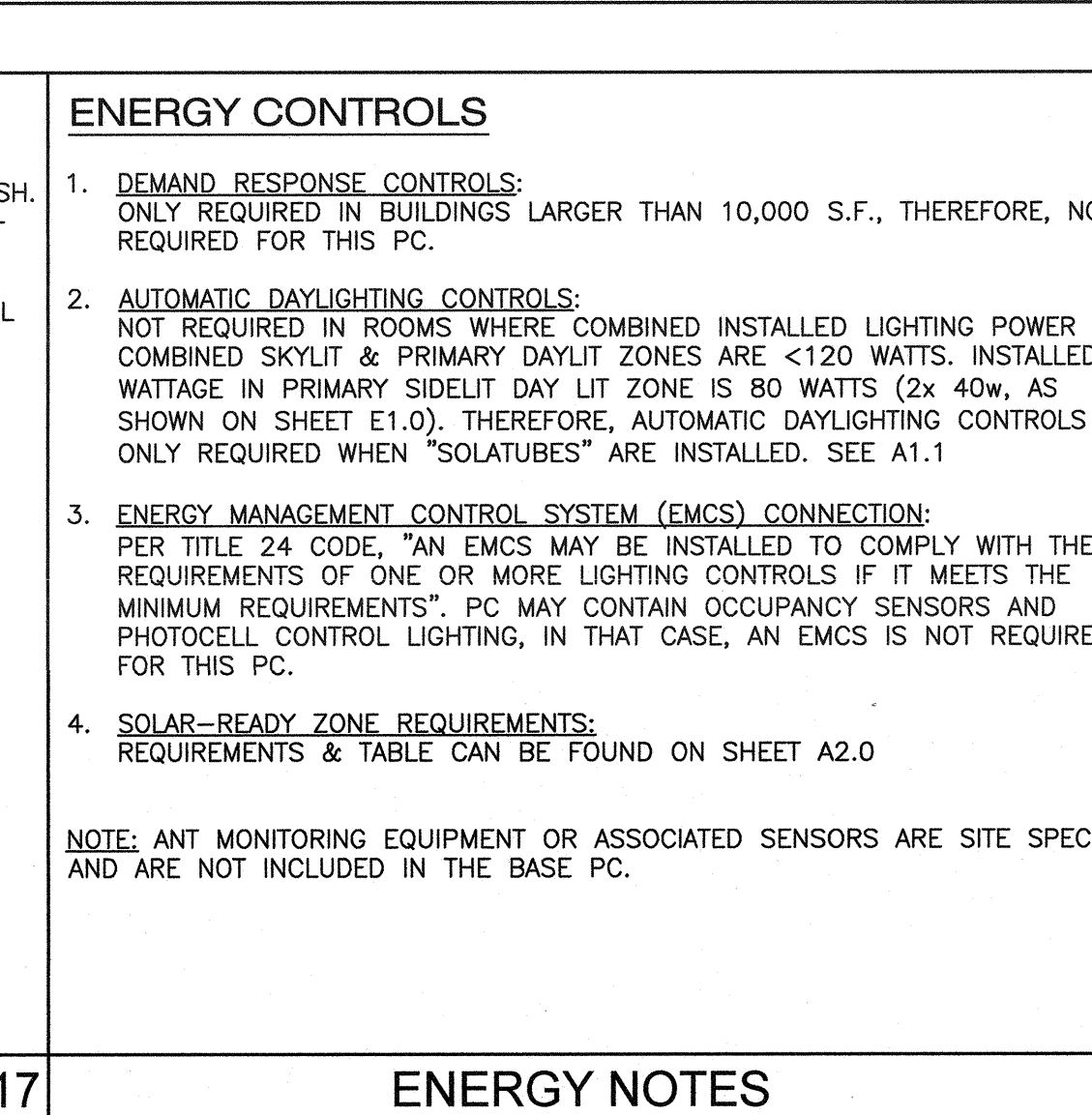
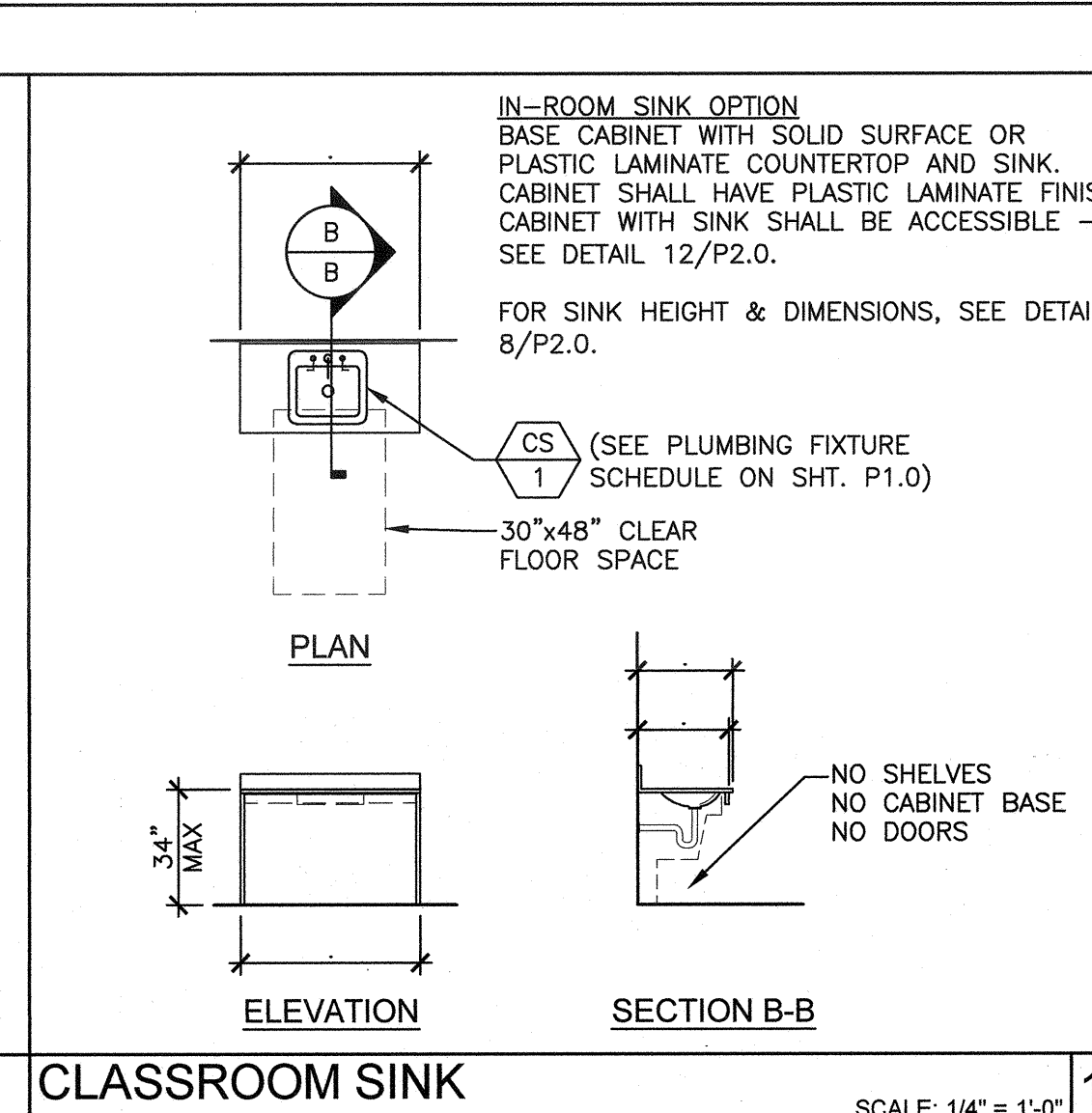
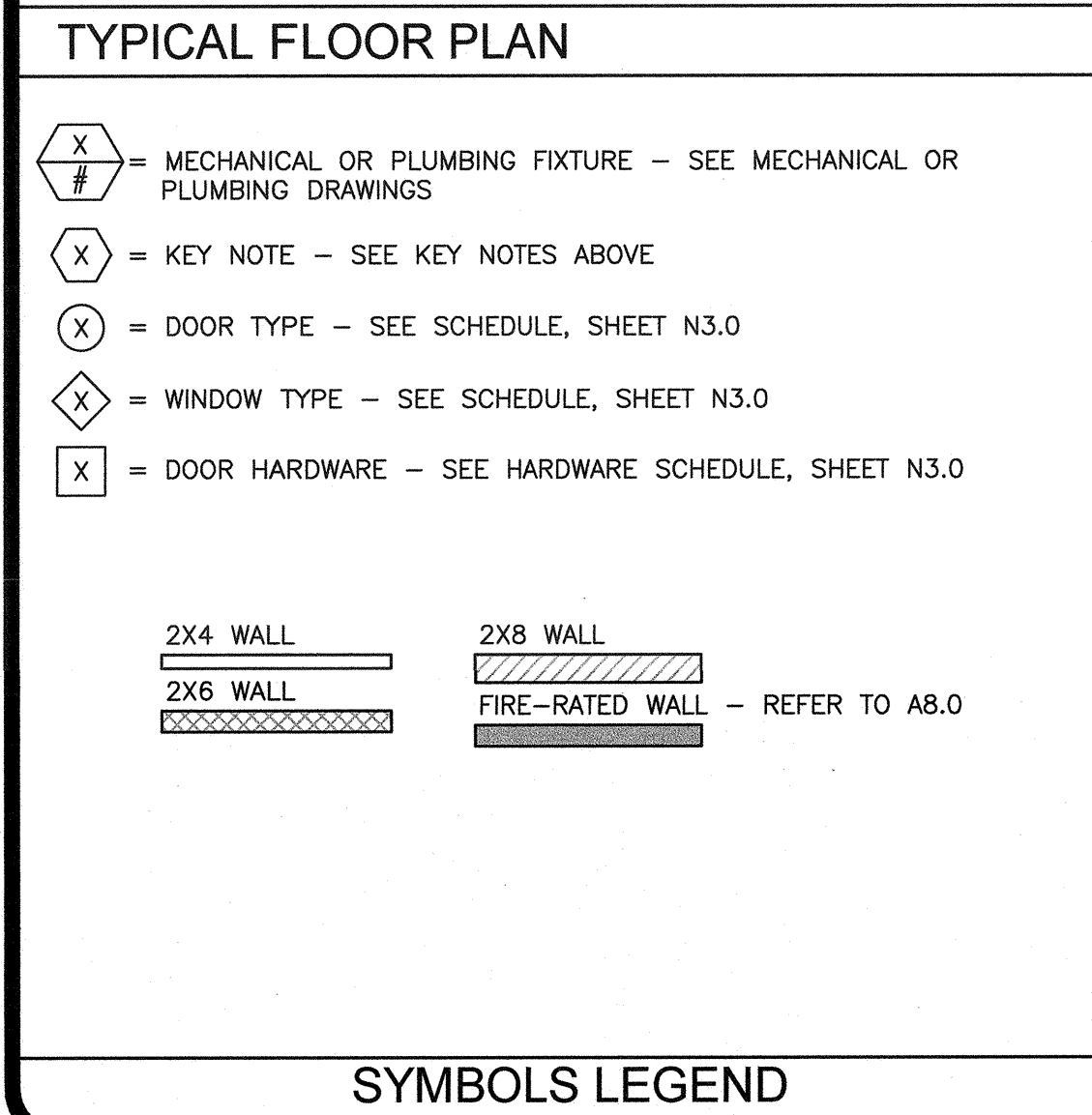
- KEY NOTES**
1. REFER TO SHEETS N5.0 AND N5.1 FOR POSSIBLE ADDITIONAL FLOOR PLAN CONFIGURATIONS.
 2. INTERIOR WALLS MAY OCCUR THROUGHOUT BUILDING. REFER TO SHEETS SB.1 OR S9.1 FOR ATTACHMENTS.
 3. PANIC HARDWARE COMPLYING WITH C.B.C. 1010.1.10 IS REQUIRED TO BE INSTALLED WHEN THE CONFIGURATION OF ANY ROOM PROVIDES AN OCCUPANT LOAD OF 50 OR GREATER.
 4. IF OCCUPANT LOAD EXCEEDS 50, PROVIDE A SECOND EXIT DOOR, PER CBC TABLE 1006.2.1.
 5. FOR ROOMS OR SPACES CLASSIFIED AS AN ASSEMBLY OCCUPANCY, PROVIDE AN OCCUPANT LOAD SIGN (BY OTHERS) IN A CONSPICUOUS PLACE, NEAR THE MAIN EXIT, PER C.B.C. SECTION 1004.3.
 6. AUTOMATIC DAYLIGHT CONTROLS AS PRESCRIBED ON THIS PLAN ARE ONLY REQUIRED WHEN THE SOLATUBE OPTION IS UTILIZED. REFER TO ENERGY NOTE #2 OF THIS SHEET FOR FURTHER ASSISTANCE.
 7. SOLATUBE LOCATIONS SHOWN ON PLAN ARE GENERIC AND ACTUAL LOCATIONS MAY VARY - (4) MAX. PER MOD. FRAMING PER S4.0 & S4.1. INSTALLATION PER DETAILS 1 OR 15/M1.6.
 8. WHEN SOLATUBES ARE UTILIZED ABOVE A CLASSROOM, THE ENTIRE CLASSROOM SHALL BE CONSIDERED AS A "DAYLIT" ZONE.
 9. ALL PRIMARY EXTERIOR DOOR ENTRIES SHALL BE COVERED TO PREVENT WATER INTRUSION BY USING NONABSORBENT FLOOR AND WALL FINISHES WITHIN AT LEAST 2 FEET AROUND AND PERPENDICULAR TO OPENING, PER CALGREEN, SECTION 5.407.2.2.1.
 10. PRIMARY EXTERIOR DOOR ENTRIES SHALL HAVE AT LEAST ONE OF THE FOLLOWING:
 - ROOF OVERHANG AT LEAST 4 FEET IN DEPTH OR
 - OTHER METHODS INDEPENDENT OF THE BUILDING WHICH PROVIDE EQUIVALENT PROTECTION (PROVIDED BY OTHERS).
- SITE NOTE**
 3/18/12 (1X) MINIMUM TO 1/4:12 (2X) MAXIMUM GRADE FROM FACE OF BUILDING MUST BE ADHERED TO FOR WATER RUN-OFF. PONDING MAY OCCUR AROUND THE PERIMETER OF THE BUILDING.

- SHEET NOTES**
3. IN THE EVENT THAT A PC CLASSROOM IS DESIGNED TO CONNECT TO ANOTHER PC CLASSROOM OR RESTROOM, INTERIOR SOUND TRANSMISSION IN THE INTERIOR ADJOINING WALL AND FLOOR/CEILING SHALL MEET THE MINIMUM REQUIREMENT OF A STC OF 40, PER CALGREEN CODE SECTION 507.4.3. (EXAMPLES OF QUALIFYING ASSEMBLIES SHOWN BELOW).
- (2) LAYER 5/8" GYPSUM BOARD SECURED TO MIN. 2x4 STUDS @ 24" O.C. MAX. W/ 3/8" BATT INSULATION

STC=40
TEST REF.: AUDIO ALLOY L.L.C. TEST NUMBER: 0L-05-1003

(2) LAYER 5/8" GYPSUM BOARD SECURED TO MIN. 2x6 METAL STUDS @ 24" O.C. MAX. W/ 3/8" BATT INSULATION

STC=40
TEST REF.: AUDIO ALLOY L.L.C. TEST NUMBER: 0L-92-410
4. MINIMUM WINDOW & DOOR RATINGS: ALL WINDOWS AND DOORS SPECIFIED ON THE SCHEDULES FOUND ON SHEET N3.0 OF THIS PACKAGE SHALL MEET A MINIMUM STC RATING OF 27.



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PRE-CHECKED SET NAME
30'x32' THRU 150'x32' BUILDINGS

Gen7
 healthy schools, delivered

SITE SPECIFIC PROJECT NAME
**GLENDALE USD
 CRESCENTA VALLEY HS
 (1) 60'x32' BUILDING**

SHEET TITLE
**TYPICAL FLOOR PLAN
 w/ SOLATUBE OPTION**

MANUFACTURER PROFESSIONAL OF RECORD ON PC

APPROVED ARCHITECT
 PATRICK CAHOON
 ARCHITECT
 119722
 DATE: FEB 03 2018

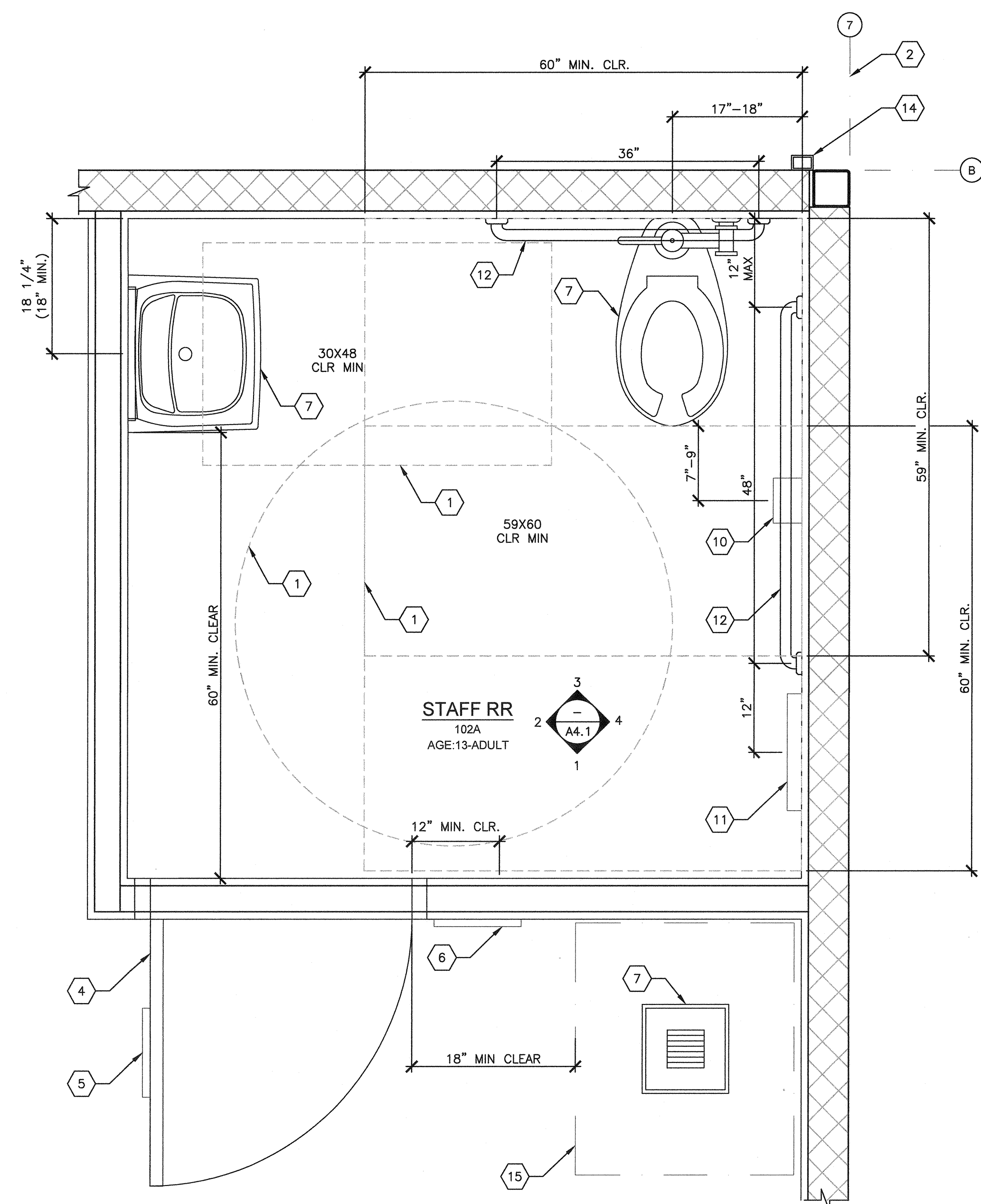
ORIGINAL PC STATE AGENCY APPROVAL

BASED ON PC# 02-116071
 PRE-CHECK (PC) DOCUMENT
 CODE: 2018 CBC
 A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRED.

REVISIONS

DRAWN BY: AS
 SCALE: AS NOTED
 DATE: 01/04/19
 SHEET NUMBER

A1.1



- 1 CLEAR FLOOR SPACE AREA
- 2 TYP. MOD LINE
- 3 NOT USED
- 4 DOOR PER SCHEDULE ON SHEET N3.0, TYP.
- 5 RESTROOM SIGNAGE (BY OTHERS) PER DETAILS 1-10, SHEET N4.0
- 6 ROOM AND ISA SIGNAGE (BY OTHERS) PER DETAILS 5&9/N4.0
- 7 PLUMBING FIXTURE PER P1.0
- 8 NOT USED
- 9 NOT USED
- 10 TOILET TISSUE DISPENSER (BRADLEY MODEL 508-32, OR EQUAL)
- 11 TOILET SEAT COVER DISPENSER (BOBRICK MODEL B-221, OR EQUAL) (BY OTHERS)
- 12 GRAB BARS - SEE 6/A7.1
- 13 NOT USED
- 14 DOWNSPOUT - DISCHARGE TO SPLASH BLOCK (U.N.O.) (QUANTITY AND LOCATION MAY VARY)
- 15 ICE MAKER (BY OTHERS)

KEY NOTES

1. DIMENSIONS ARE TO FACE OF FINISH (F.O.F.) UNLESS NOTED OTHERWISE (i.e. F.O.C., E)
2. RESTROOM CONFIGURATION MAY VARY PER BUILDING CONFIGURATION.
3. RESTROOM MODULE OCCURS ONLY AT END OF BUILDING. SINGLE RESTROOMS MAY OCCUR IN ANY PART OF A BUILDING.
4. RESTROOM MODULE CANNOT STAND ALONE AND SHALL BE ASSEMBLED TOGETHER WITH AT LEAST ONE OTHER MODULE OF THE SAME SIZE.
5. INTERIOR WALLS MAY OCCUR THROUGHOUT BUILDING. REFER TO SHEET S8.1 OR S9.1 FOR ATTACHMENTS.
6. REFER TO SCHEDULE 7/P2.0 FOR ACCESSIBLE HEIGHTS & DIMENSIONS.
7. REFER TO DETAILS 3, 4 & 5, SHEET A7.1 FOR TOILET PARTITION ANCHORAGE BLOCKING.
8. SEWER AND WATER STUB OUTS SHALL BE LOCATED WITHIN THE ALLOWABLE AREA AS SHOWN ON FLOOR PLAN AND CONNECTIONS SHALL BE EASILY ACCESSIBLE FOR FUTURE RELOCATION. STUB OUT HEIGHT SHALL BE COORDINATED BY THE MANUFACTURER.
9. PIPING MATERIAL
 - a. WATER: COPPER TYPE "L", 95/5 SOLDER.
 - b. WASTE DRAIN AND VENT: ABS.
10. TOILET COMPARTMENT DOORS LOCATED IN THE FRONT PARTITION SHALL BE 4" MAXIMUM FROM THE SIDE WALL OR PARTITION FARTHEST FROM THE WATER CLOSET, PER C.B.C. SECTION 11B-604.B.1.2.

PLUMBING NOTE

MODULAR MFR. TO STUB THROUGH FLOOR ALL PLUMBING LINES. BUILDING PERIMETER POC'S SHOWN ARE FOR COORDINATION PURPOSES ONLY. ALL UNDER-FLOOR CONNECTIONS ARE BY SITE CONTRACTOR, U.O.N.

SITE NOTE

3/16:12 (1%) MINIMUM TO 1/4:12 (2%) MAXIMUM GRADE FROM FACE OF BUILDING MUST BE ADHERED TO FOR WATER RUN-OFF. PONDING MAY OCCUR AROUND THE PERIMETER OF THE BUILDING.



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PRE-CHECKED SET NAME
30'x32' THRU 150'x32' BUILDINGS
Gen7
healthy schools. delivered

SITE SPECIFIC PROJECT NAME
**GLENDALE USD
CRESCENTA VALLEY HS
(1) 60'x32' BUILDING**

SHEET TITLE
**RESTROOM FLOOR PLAN
OPTIONS**

MANUFACTURER PROFESSIONAL OF RECORD ON PC

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PROJECT SPECIFIC STATE AGENCY APPROVAL

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DIV. OF THE STATE ARCHITECT
APPROVED 119722
DATE FEB 15 2019

ORIGINAL PC STATE AGENCY APPROVAL

BASED ON PC# 02-116071
PRE-CHECK (PC) DOCUMENT
CODE 2016 CBC
A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRED

REVISIONS
DRAWN BY: AS
SCALE: AS NOTED
DATE: 01/04/19
SHEET NUMBER

A1.2

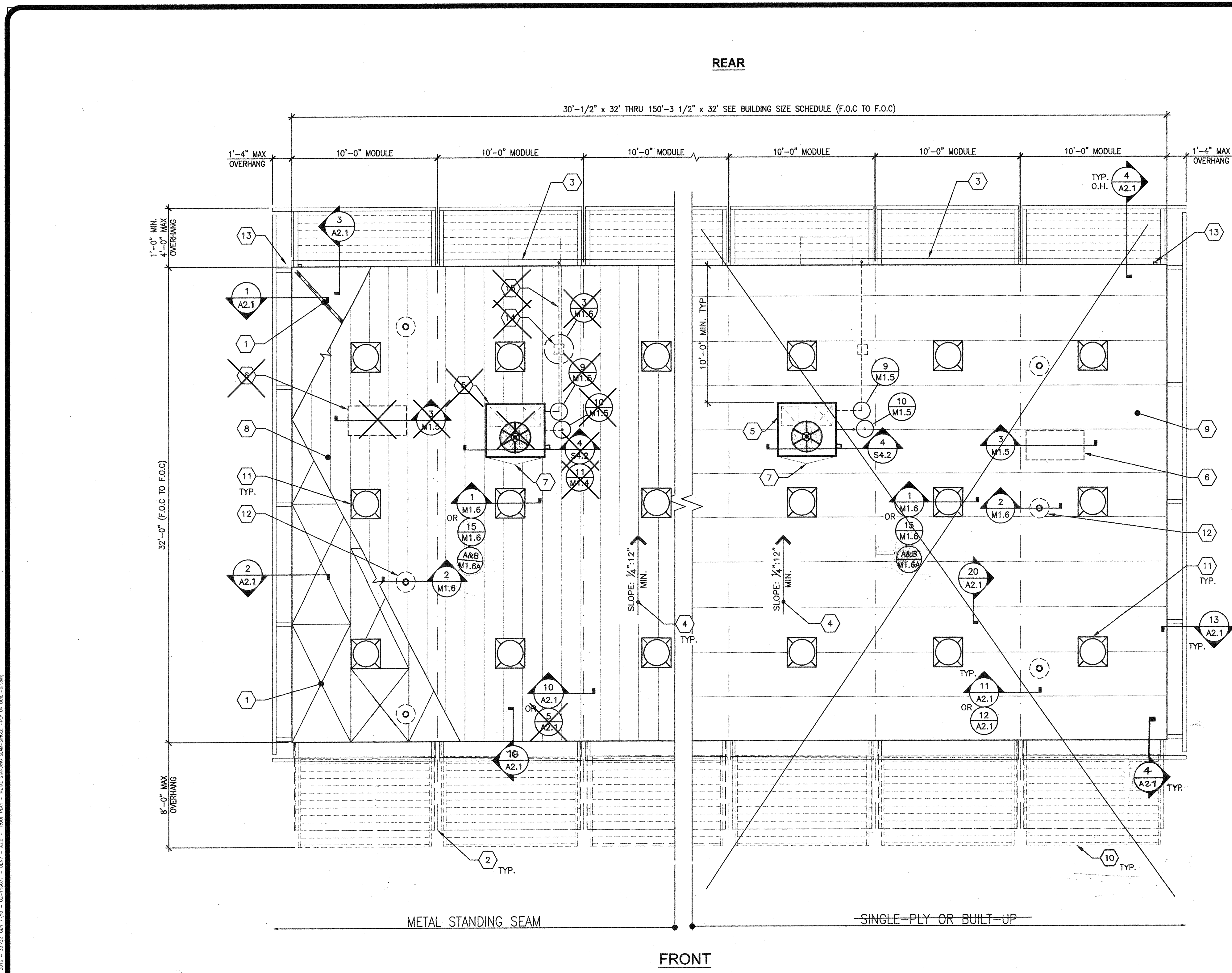
RESTROOM FLOOR PLAN OPTION 1

NOT USED	NOT USED	NOT USED	NOT USED
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GENERAL NOTES

- 1 = KEY NOTE - SEE KEY NOTES, THIS SHEET
- 2 = DOOR TYPE - SEE SCHEDULE SHEET N3.0
- 3 = WINDOW TYPE - SEE SCHEDULE SHEET N3.0
- # = DOOR HARDWARE - SEE HARDWARE SCHEDULE SHEET N3.0
- 60" = 60" DIAMETER CLEAR FLOOR TURNING SPACE
- 30"x48" = 30"x48" CLEAR FLOOR SPACE
- 2X4 WALL
- 2X8 WALL
- FIRE-RATED WALL - REFER TO A8.0

SYMBOLS LEGEND



- 1 ROOF SHEATHING OR STRAP CROSS BRACING PER SHEET S4.0 OR S4.1
- 2 TYPICAL MOD LINE
- 3 OPTIONAL GUTTER PER DETAIL 3 OR 4/A2.1
- 4 TYPICAL ROOF SLOPE
- 5 OPTIONAL ROOF MOUNTED HVAC PER M1.7
- 6 OPTIONAL ATTIC MOUNTED SPLIT SYSTEM HVAC PER M1.7
- 7 CRICKET - OPTIONAL HVAC PER 14 OR 15/A2.1
- 8 STANDING SEAM METAL ROOF PER 7/SO.0 & DETAILS ON SHEET A2.1
- 9 SINGLE-PLY OR BUILT-UP ROOFING PER SHEET A2.1
- 10 OPTIONAL FRONT OVERHANG - SEE SHEET A/S5.2
- 11 OPTIONAL SOLATUBE - SEE SHEET NOTE #1
- 12 PIPE VENT PER PLUMBING PLANS & 2/M1.4
- 13 OPTIONAL DOWNSPOUT - SEE ROOF DRAIN SCHEDULE BELOW FOR MIN. # OF DRAINS.
- 14 ROOF TOP PIPE SUPPORT BLOCK PER DETAIL 3/M1.6
- 15 CONDENSATE LINE PER DETAIL 9/M1.5
- 16 NOT USED

KEY NOTES

1. SOLATUBE LOCATIONS SHOWN ON PLAN ARE GENERIC AND ACTUAL LOCATIONS MAY VARY - (3) MAX. PER MOD. FRAMING PER S4.0 & S4.1 INSTALLATION PER DETAILS 1 OR 15/M1.6.
2. OPTIONAL GUTTERS SHALL BE LOCATED ALONG FRONT, REAR, OR BOTH END-WALLS OF THE BUILDING(S).
2. EITHER ROOF-SHEATHING OR STRAP CROSS BRACING MAY BE USED FOR METAL STANDING SEAM SINGLE-PLY OR BUILT-UP ROOF SHALL HAVE SHEATHING UNDERNEATH.

SHEET NOTES

- SOLAR READY, PER TITLE 24 SECTION 110.10: FOR NON-RESIDENTIAL BUILDINGS, 3 STORIES OR LESS, A MINIMUM OF 15% OF ROOF AREA (EXCLUDING SKYLIGHTS) MUST BE SET ASIDE FOR PHOTO-VOLTAICS (PV). THE ROOF MUST HAVE NO ROOF OBSTRUCTIONS.
1. REQUIRED SOLAR-READY ZONE, AREA PER THE CHART BELOW, MUST BE PROVIDED ON BUILDING ROOF.
 2. ZONE MUST BE LEFT VOID OF ROOF-MOUNTED HVAC UNITS, SKYLIGHTS OR OTHER OBSTRUCTIONS THAT WOULD HINDER FUTURE INSTALLATION OF SOLAR SYSTEM COMPONENTS, INCLUDING PV PANELS.
 3. TOTAL AREA REQUIRED FOR SOLAR-READY ZONE DOES NOT NEED TO BE LOCATED IN ONE AREA BUT CAN BE SPREAD OUT OVER ROOF.
 4. SOLAR-READY ZONE SHALL NOT INCLUDE ROOF OVERHANGS, AND SOLAR SYSTEM COMPONENTS MAY NOT BE PLACED THERE.
 5. THE ROOF STRUCTURE HAS BEEN DESIGNED PER THE DESIGN LOADS SPECIFIED ON SHEET TS, WHICH DOES INCLUDE LOADS FROM SOLAR EQUIPMENT THAT MIGHT BE INSTALLED AT A LATER DATE.
 6. EQUIPMENT SUCH AS SOLAR MODULES, INVERTERS, AND METERING EQUIPMENT DO NOT NEED TO BE INSTALLED, NOR DOES CONDUIT, PIPING, OR PRE-INSTALLED MOUNTING HARDWARE.
 7. A STRUCTURAL ENGINEER SHOULD BE CONSULTED PRIOR TO ANY FUTURE SOLAR INSTALLATIONS TO DETERMINE THE ADEQUACY OF THE ROOF FRAMING TO SUSTAIN THE LOADS OF THE INSTALLATION ON THE BUILDING STRUCTURE.
 8. A SEPARATE DSA APPLICATION NUMBER IS REQUIRED FOR DESIGN & INSTALLATION OF THE SOLAR PANEL SYSTEM, ITS ANCHORAGE & ROOF SUPPORT STRUCTURE.



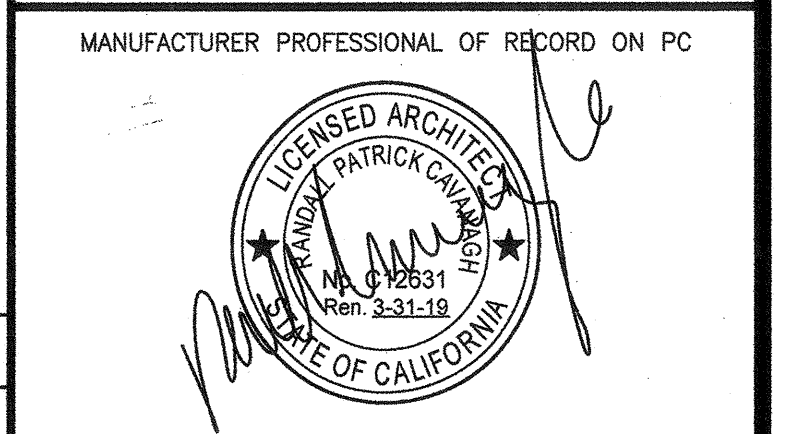
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PRE-CHECKED SET NAME
30'x32' THRU 150'x32' BUILDINGS

SITE SPECIFIC PROJECT NAME

SHEET TITLE
TYPICAL ROOF PLAN

MANUFACTURER PROFESSIONAL OF RECORD ON PC



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PROJECT SPECIFIC STATE AGENCY APPROVAL

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 APPROB. 1.9.2019
 AD. FILE NO. SS 87
 DATE FEB 05 2019

ORIGINAL PC STATE AGENCY APPROVAL
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TYPICAL ROOF PLAN

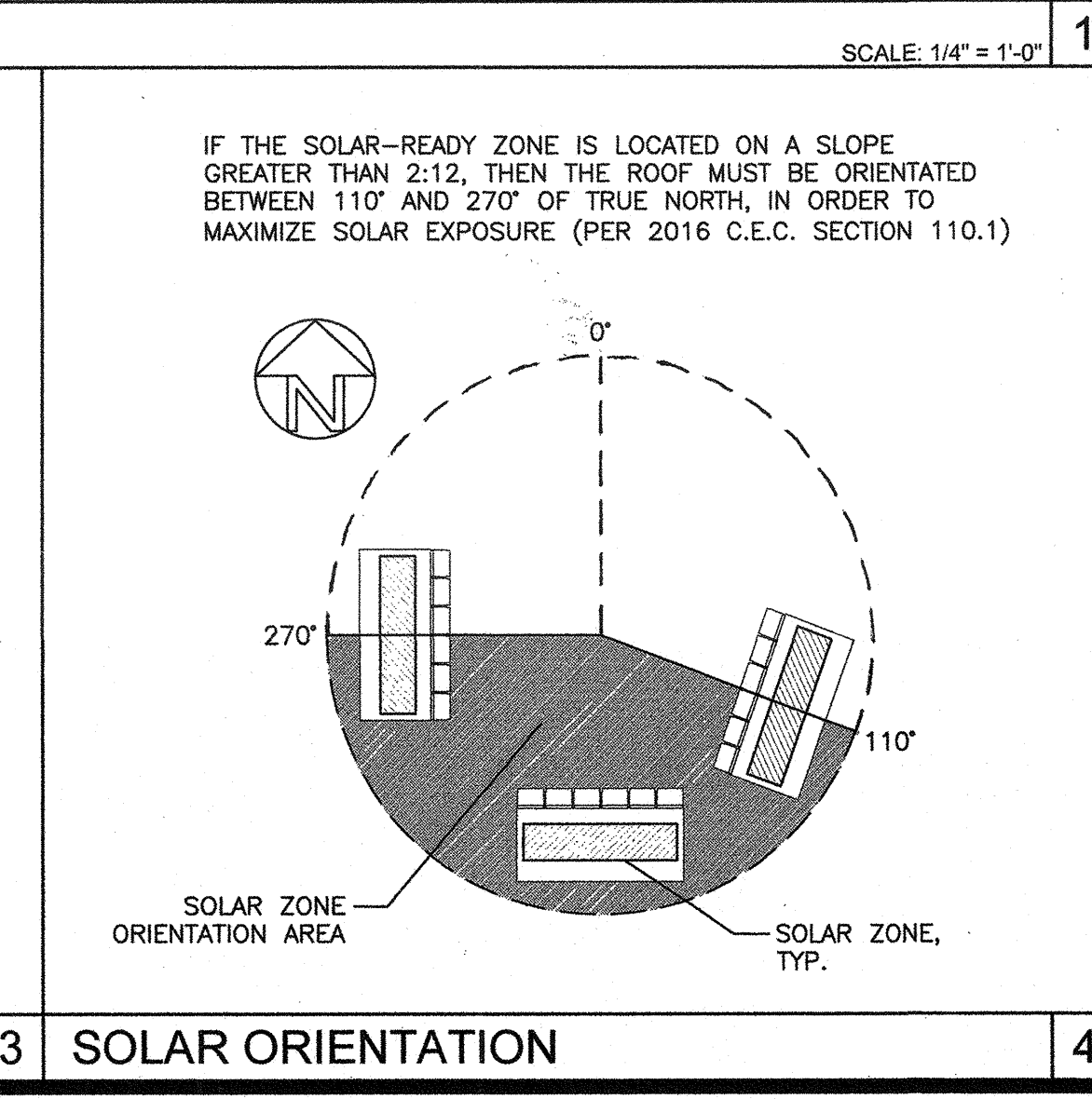
ROOF AREA DRAINS (WITH 5'+2" OVERHANG)			
BUILDING SIZE (NOM.)	ROOF AREA	MINIMUM NO. OF DRAINS	SIZE OF DRAIN
30'x32'	1170	1	2x3
40'x32'	1560	1	2x3
50'x32'	1950	1	2x3
60'x32'	2340	1	2x3
70'x32'	2730	1	2x3
80'x32'	3120	2	2x3
90'x32'	3510	2	2x3
100'x32'	3900	2	2x3
110'x32'	4290	2	2x3
120'x32'	4680	2	2x3
130'x32'	5070	2	2x3
140'x32'	5460	2	2x3
150'x32'	5850	2	2x3

NOTES:
 1. DOWNSPOUTS & LEADERS PER C.P.C. 1106.1 AND TABLE 1101.11.
 2. PC DOWNSPOUT SIZING BASED ON ROOF AREA AND MAX RAINFALL RATE OF 3" PER HOUR. SITE SPECIFIC BUILDING MAY UTILIZE LOCAL RAINFALL RATE--PROVIDE SITE RAINFALL RATE TO DETERMINE MINIMUM NUMBER OF DRAINS REQUIRED.

BUILDING SIZE SCHEDULE			
BUILDING SIZE	TOTAL # OF WIDE MODULES	TOTAL # OF CENTER MODULES	TOTAL BLDG. WIDTH
30'x32'	3	1	30'-3/2"
40'x32'	4	2	40'-3/4"
50'x32'	5	3	50'-1"
60'x32'	6	4	60'-1/4"
70'x32'	7	5	70'-1/2"
80'x32'	8	6	80'-3/4"
90'x32'	9	7	90'-2"
100'x32'	10	8	100'-2 1/4"
110'x32'	11	9	110'-2 1/2"
120'x32'	12	10	120'-2 3/4"
130'x32'	13	11	130'-3"
140'x32'	14	12	140'-3 1/4"
150'x32'	15	13	150'-3 1/2"

NOTES:
 1. TOTAL BUILDING WIDTH INCLUDES 1/4" PER MODULAR CONSTRUCTION TOLERANCE PER FOUNDATION SHEETS S1.0, S1.1, S1.2, & S1.3.

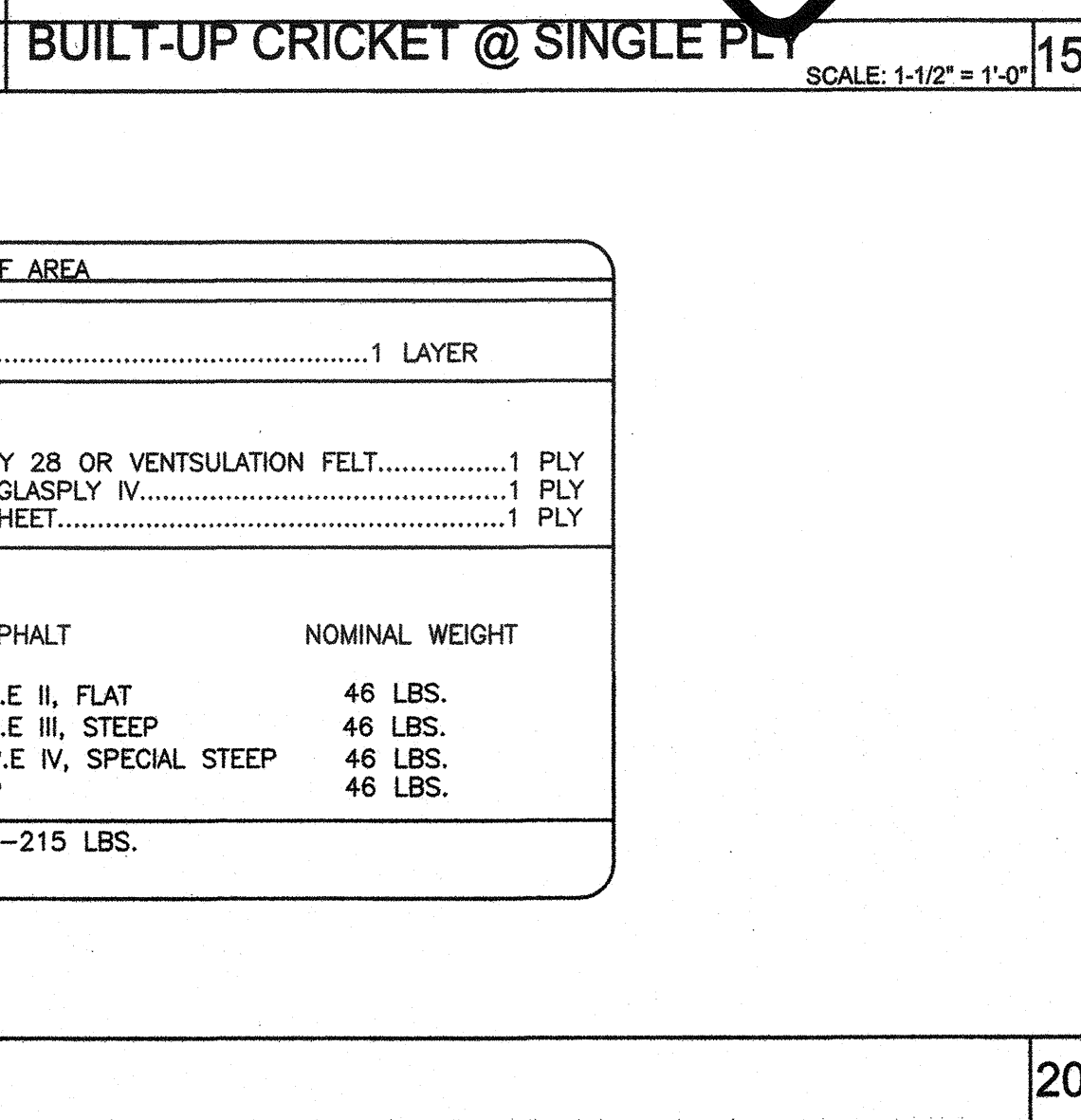
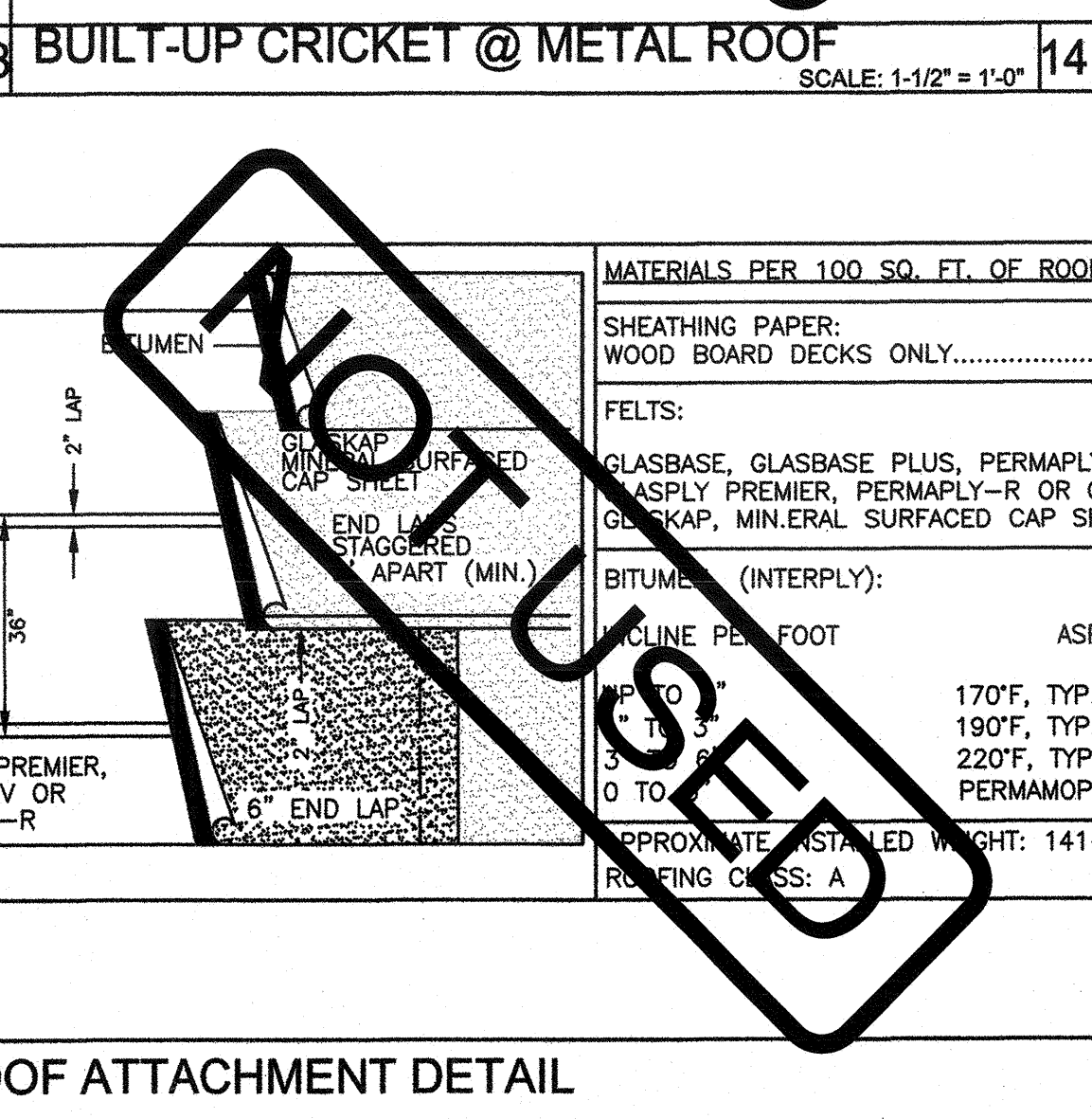
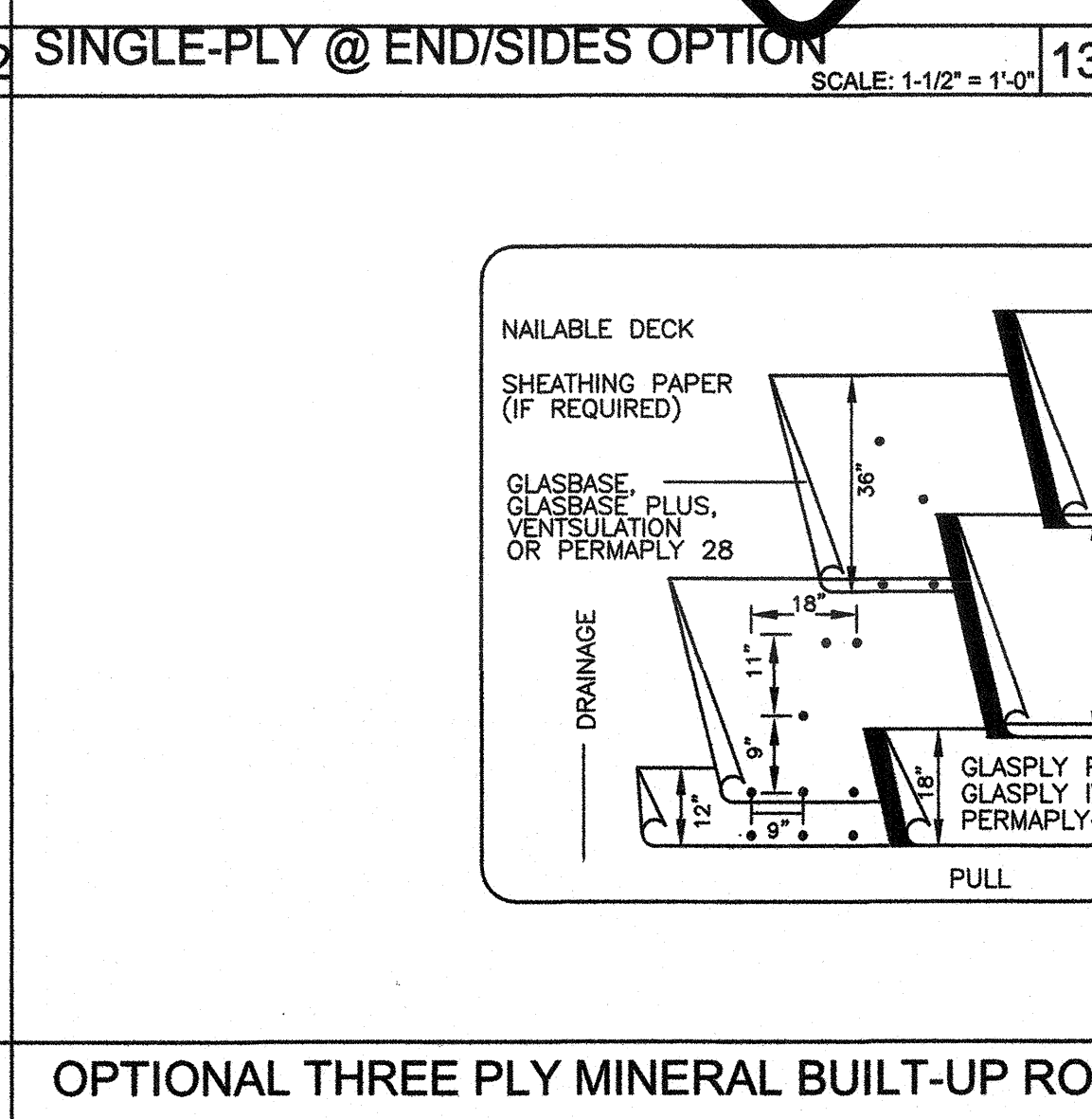
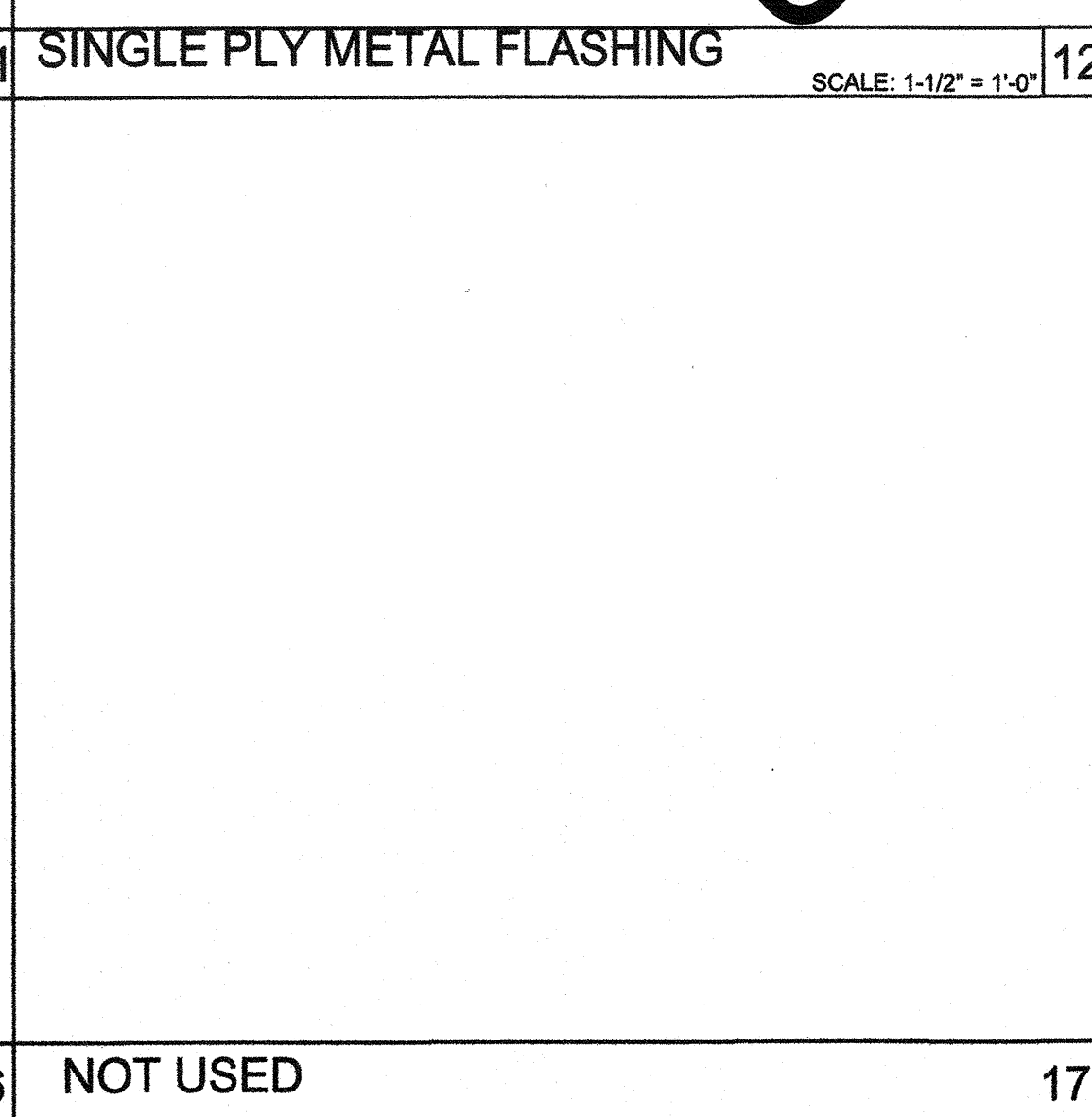
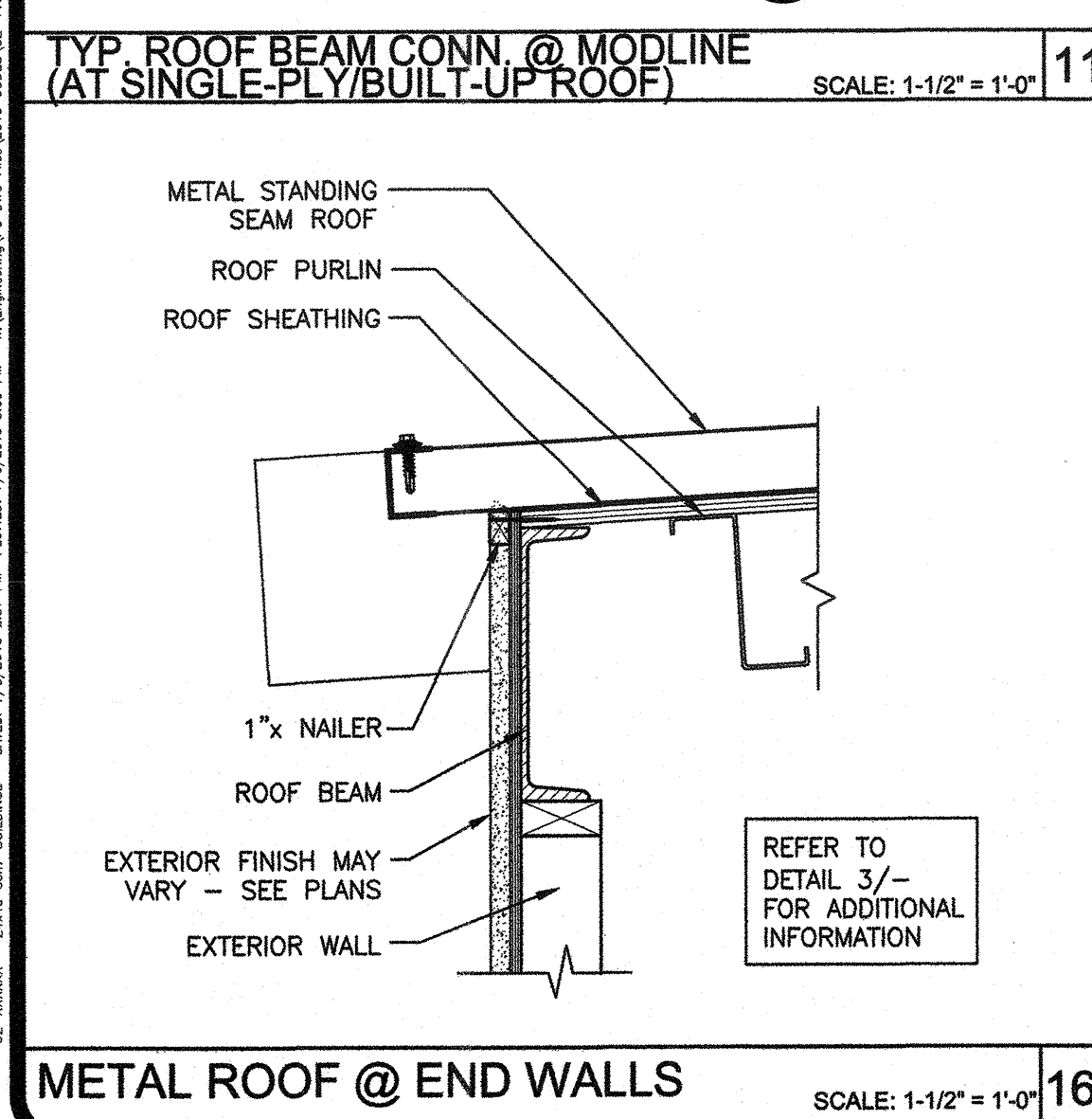
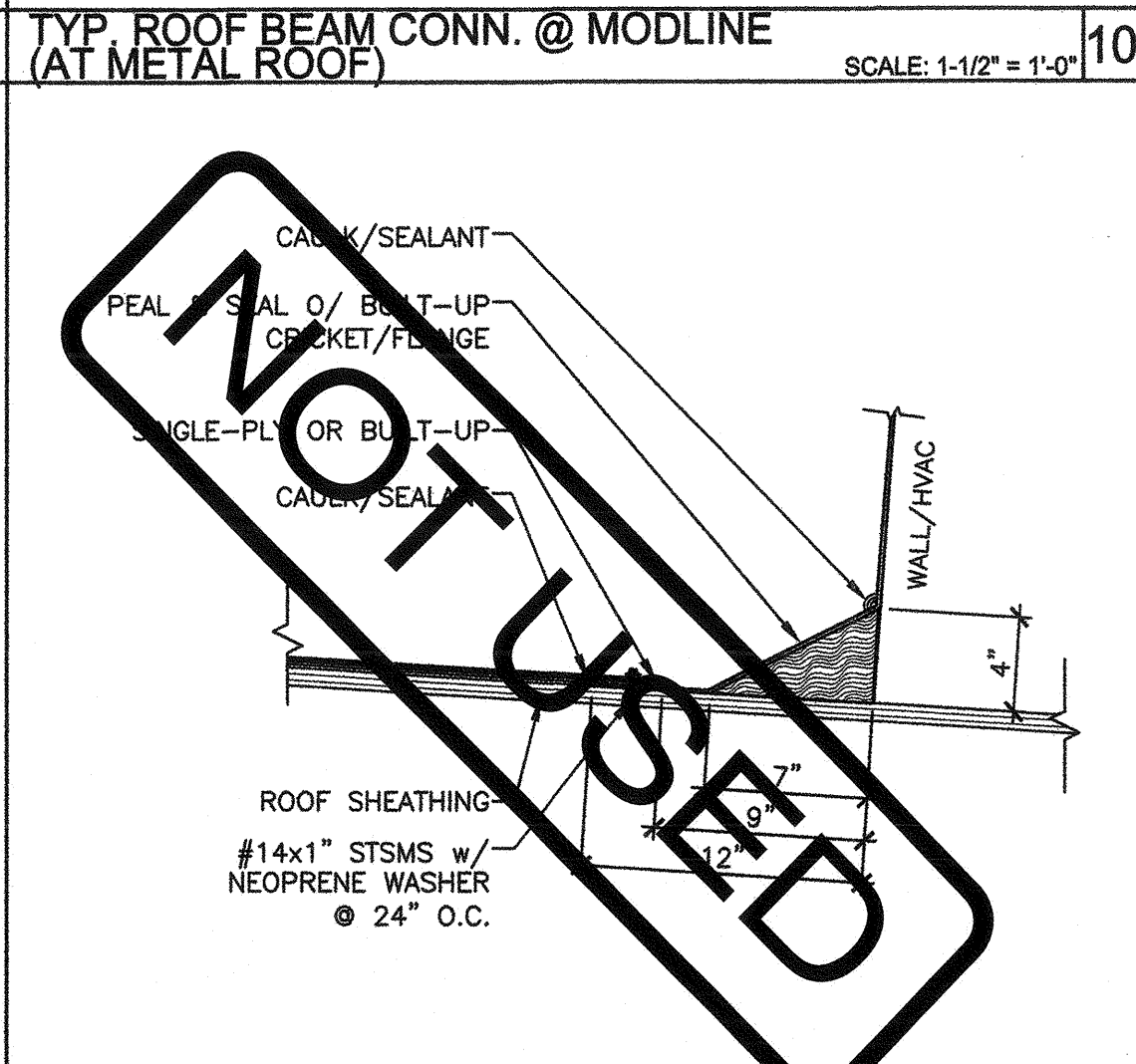
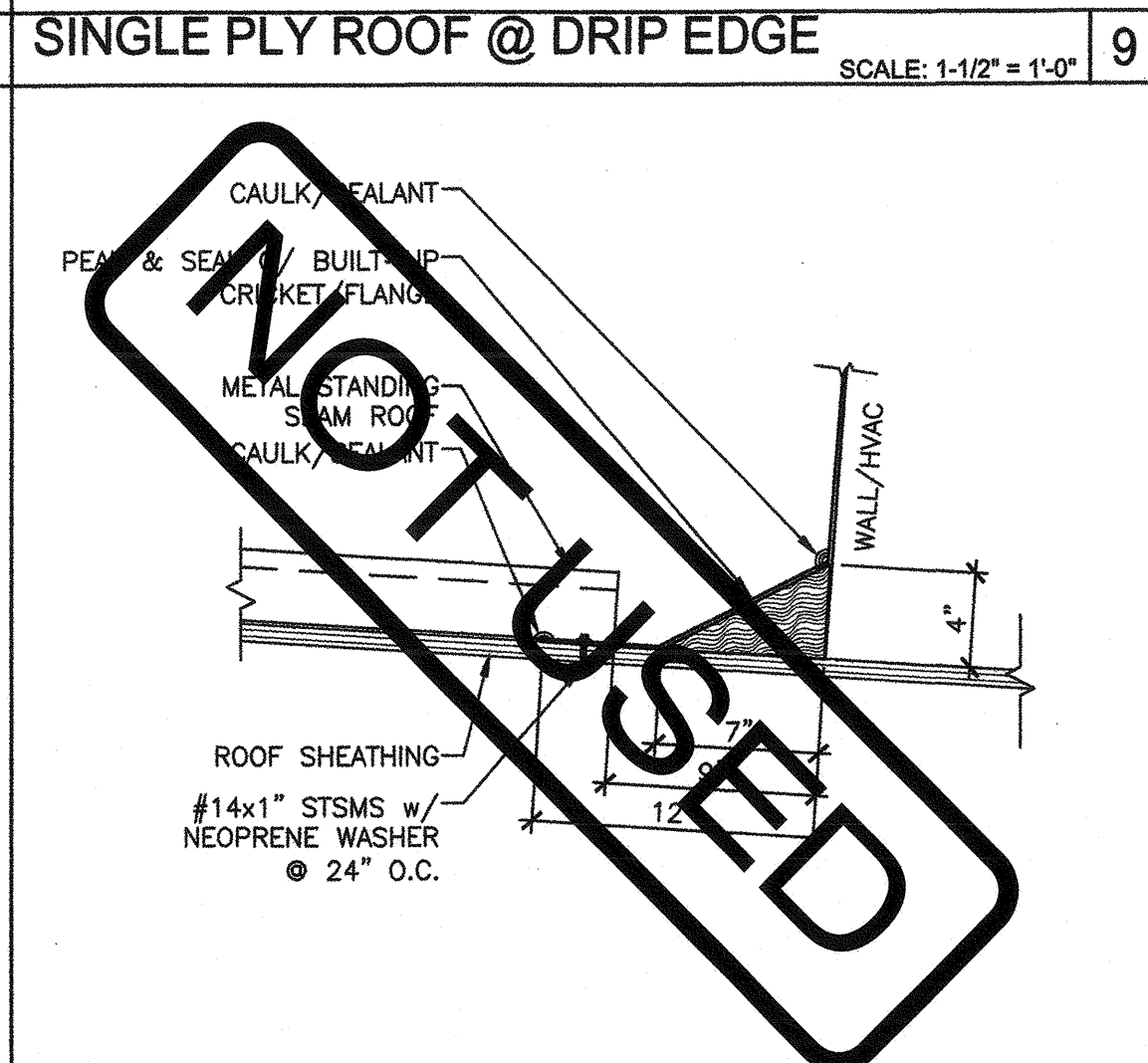
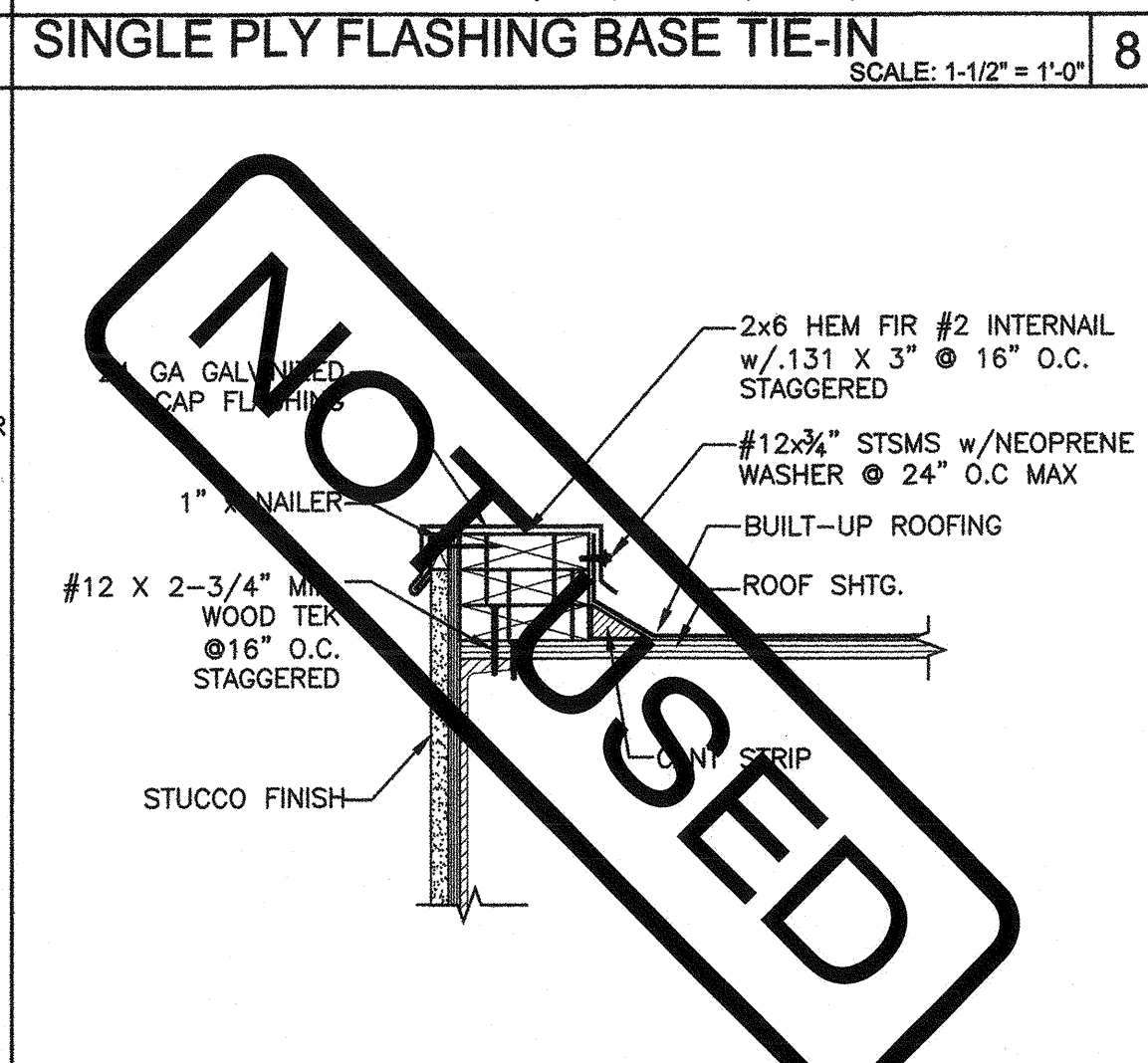
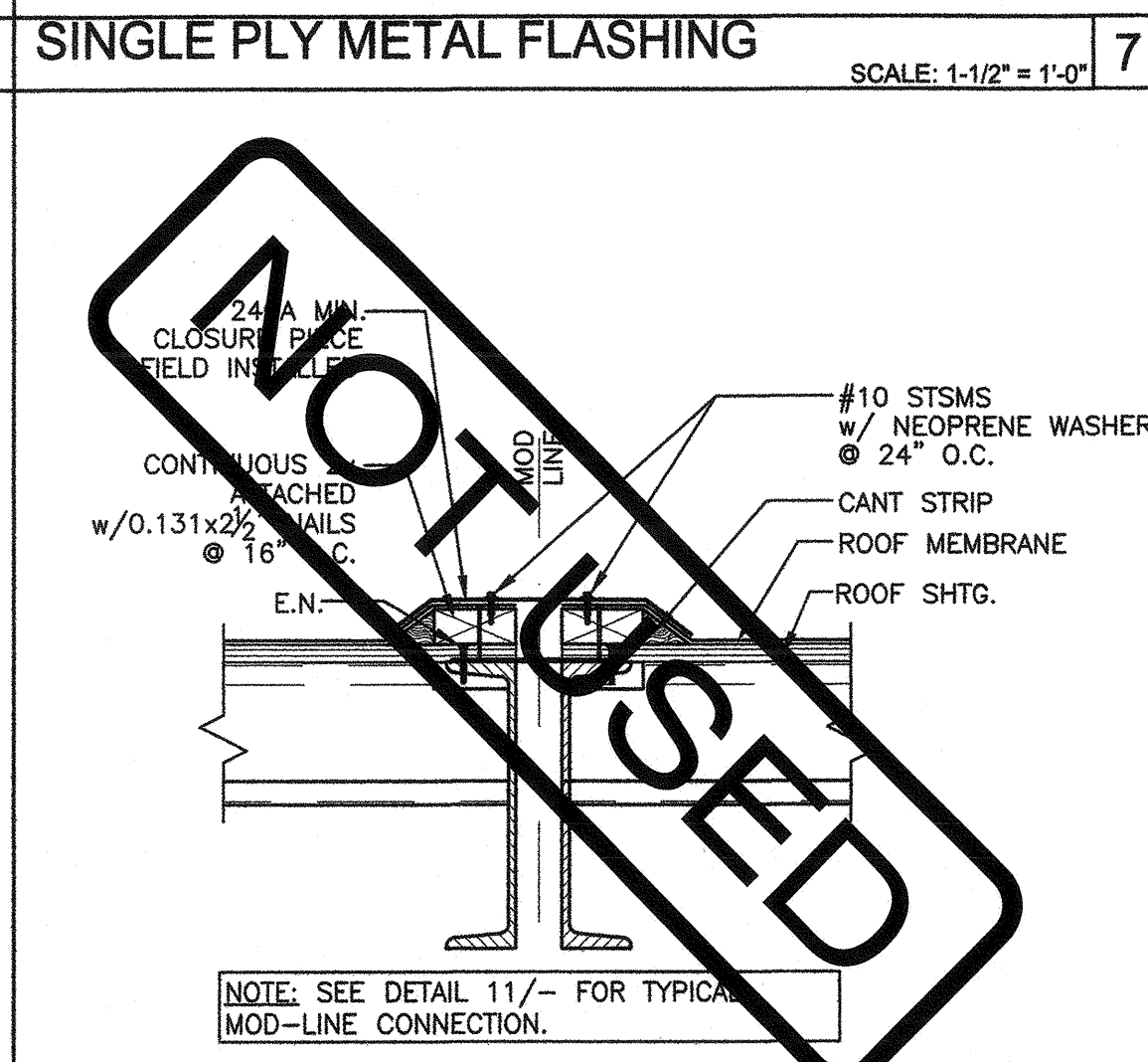
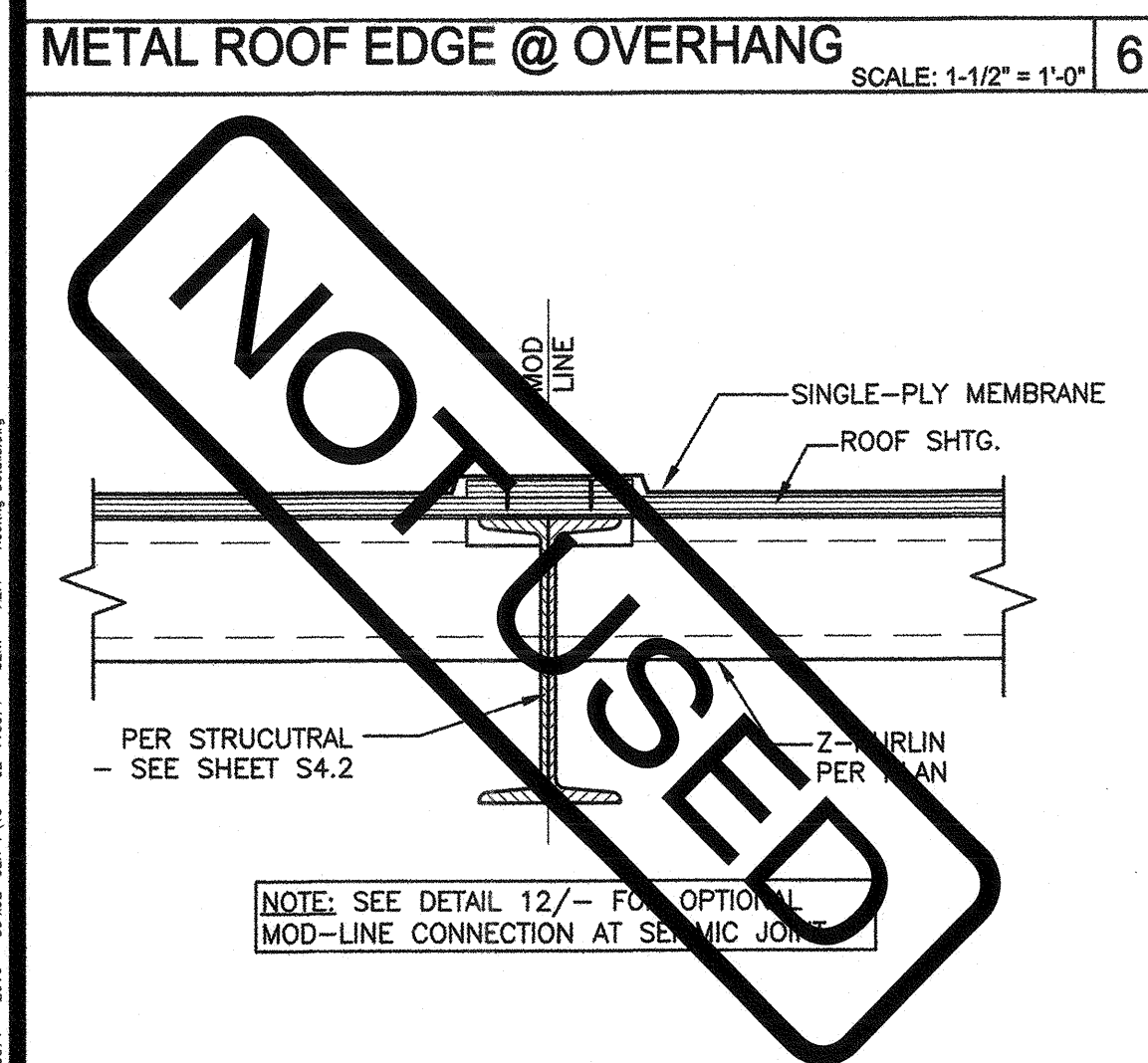
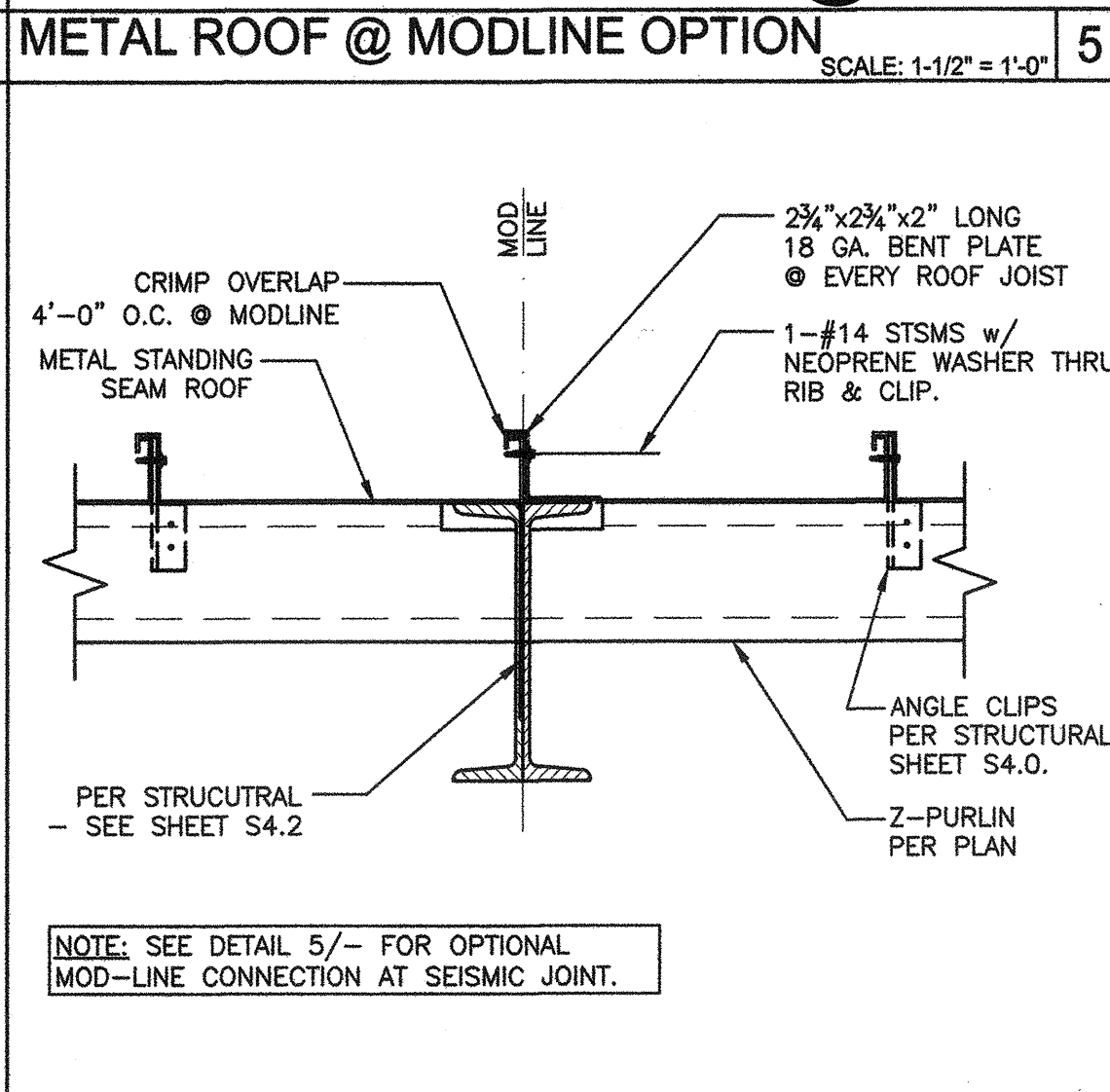
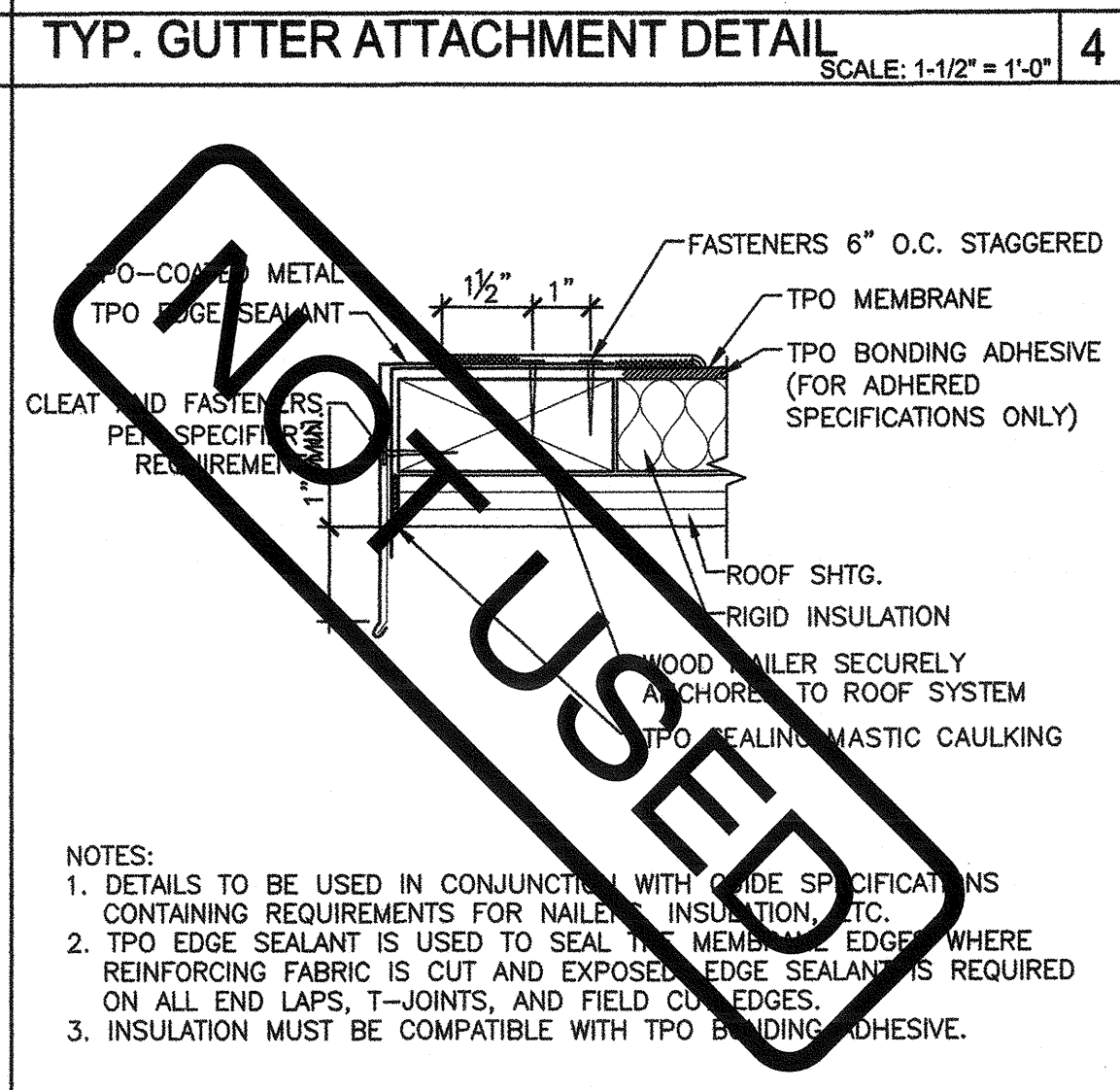
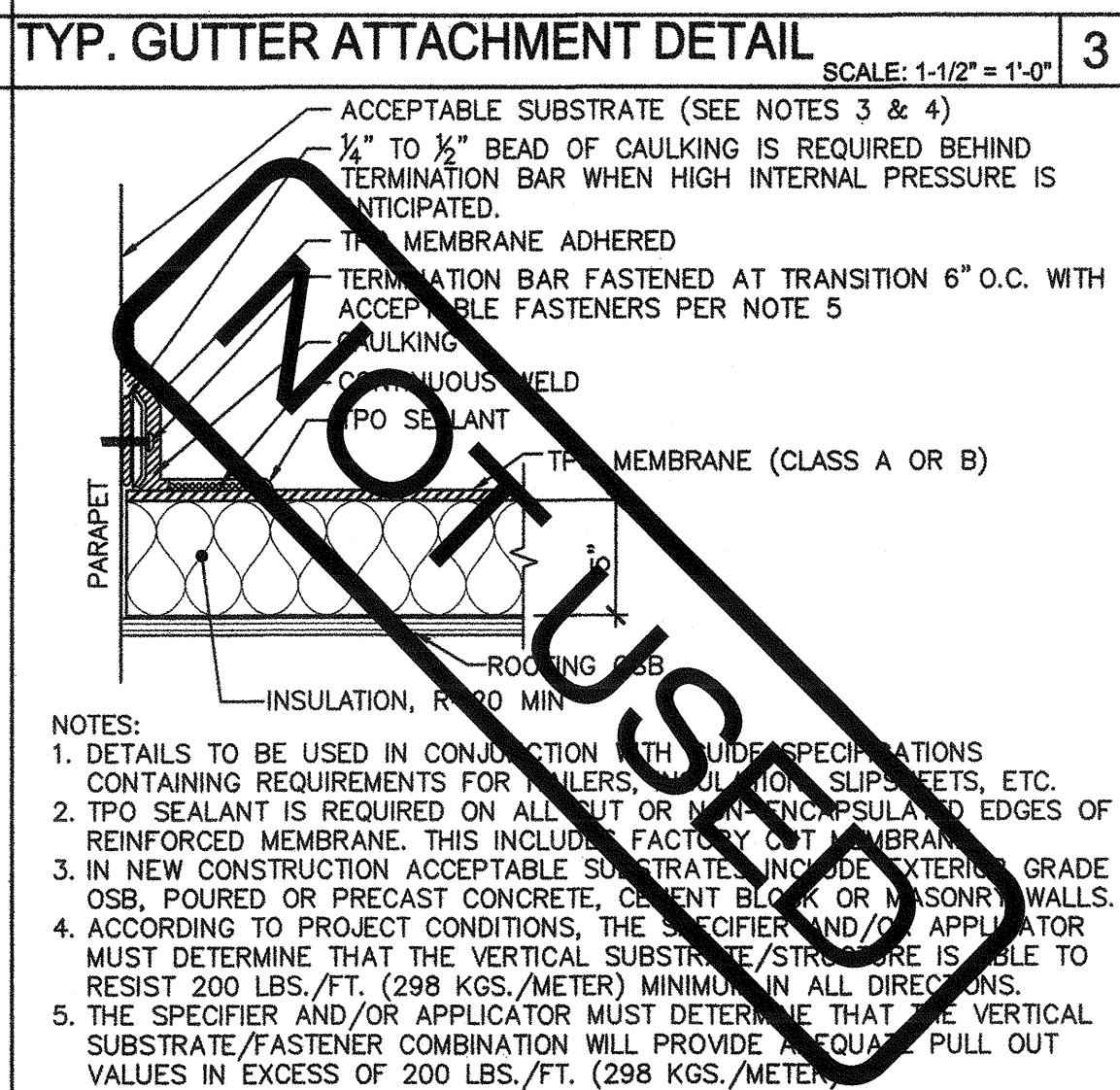
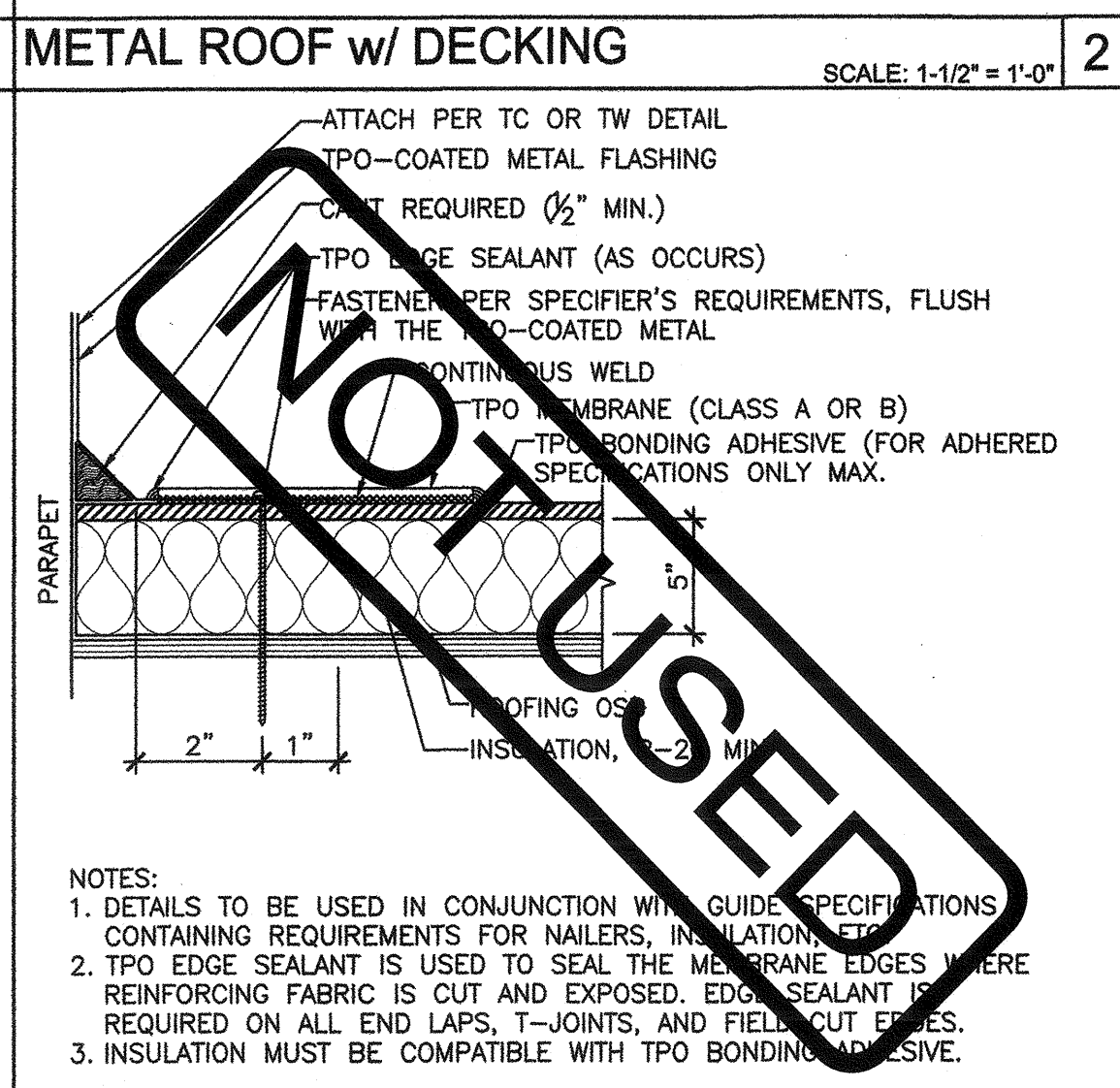
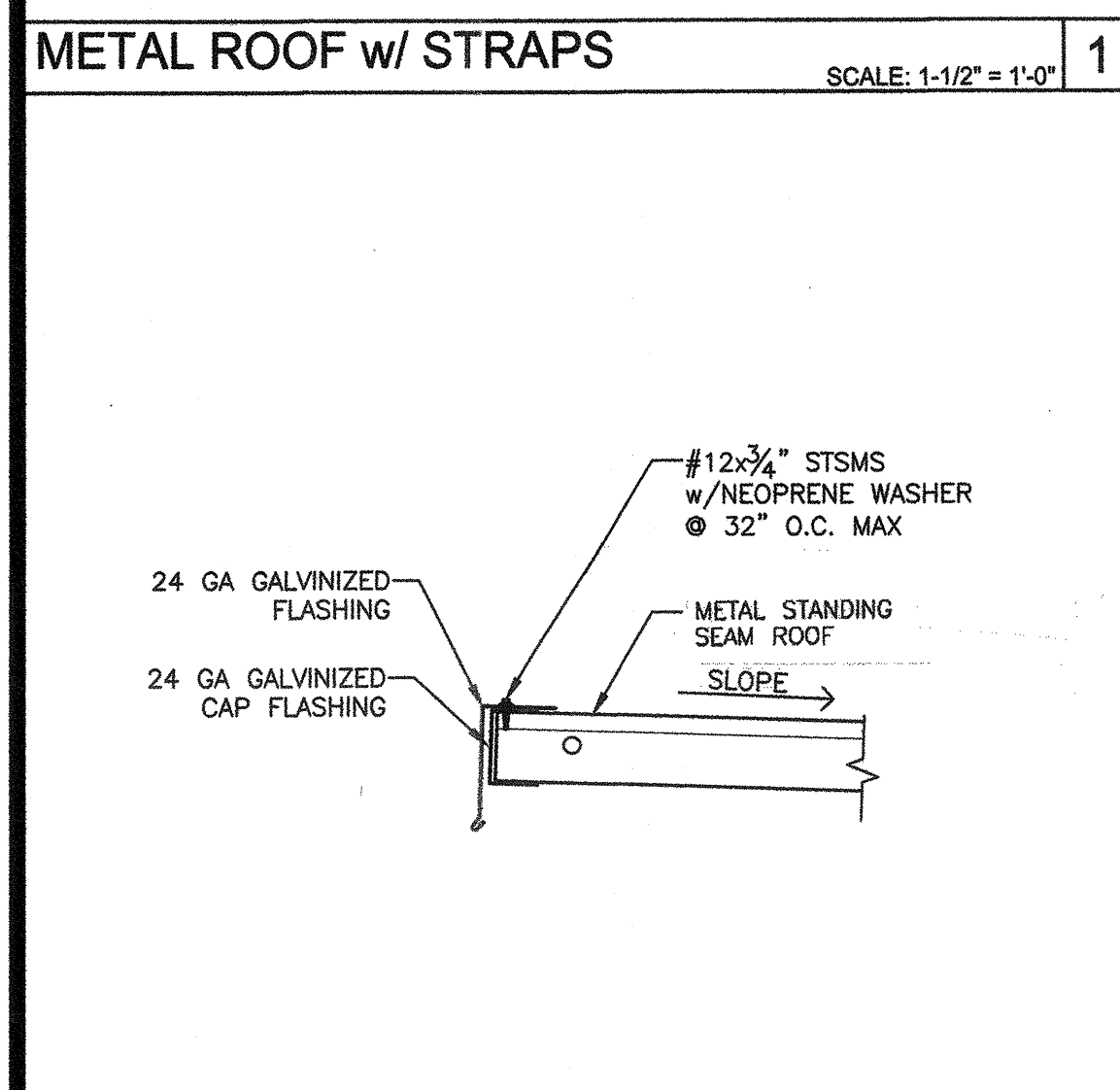
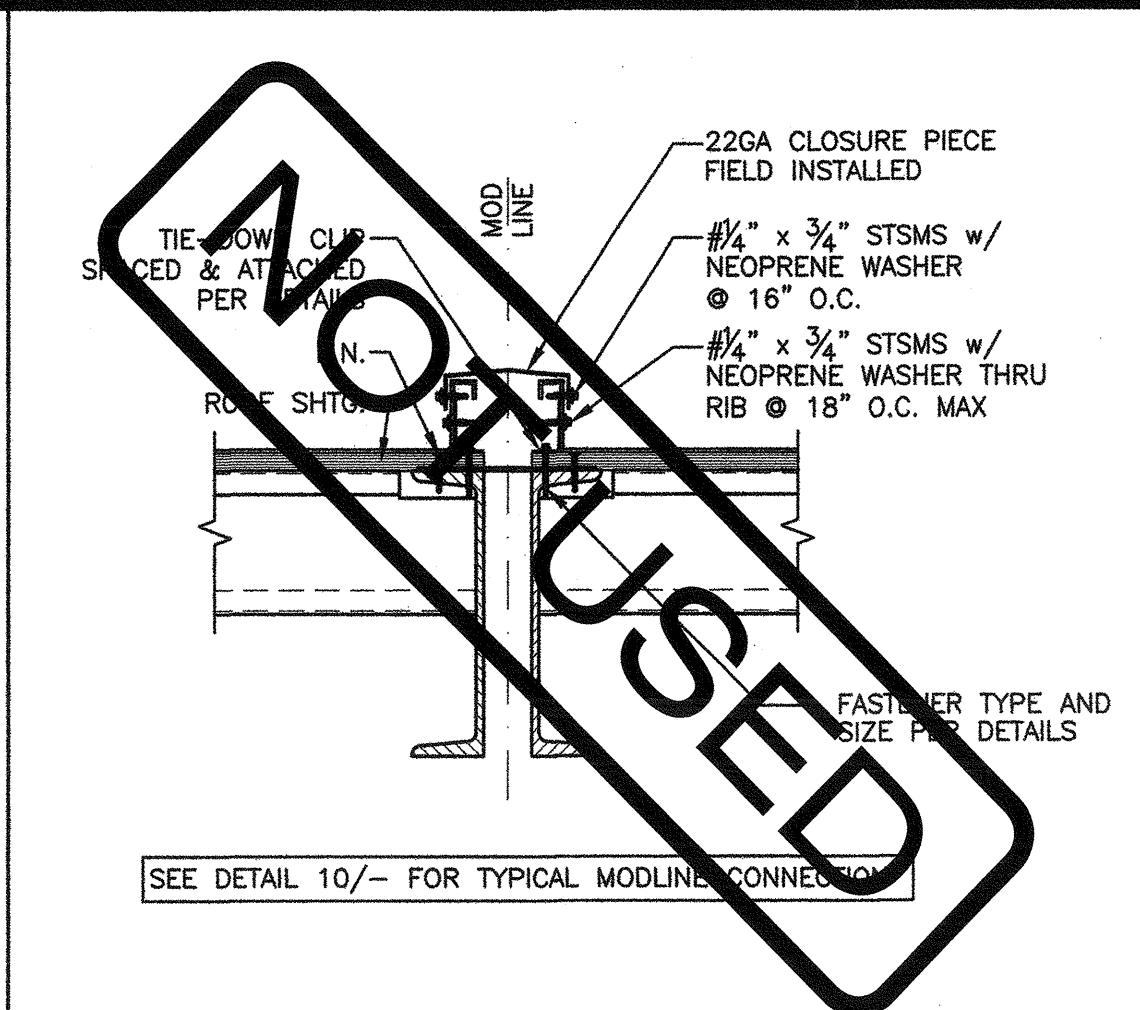
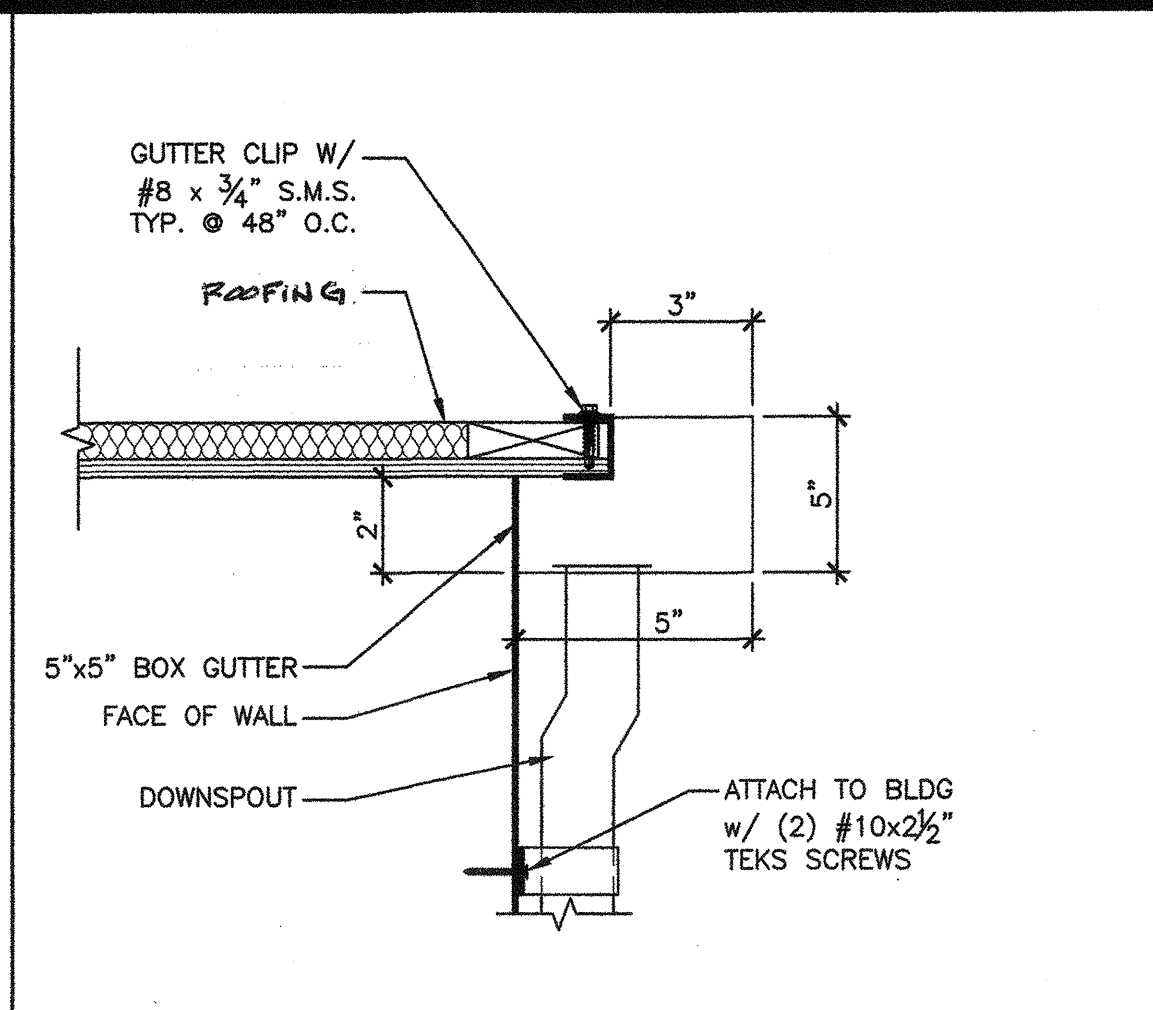
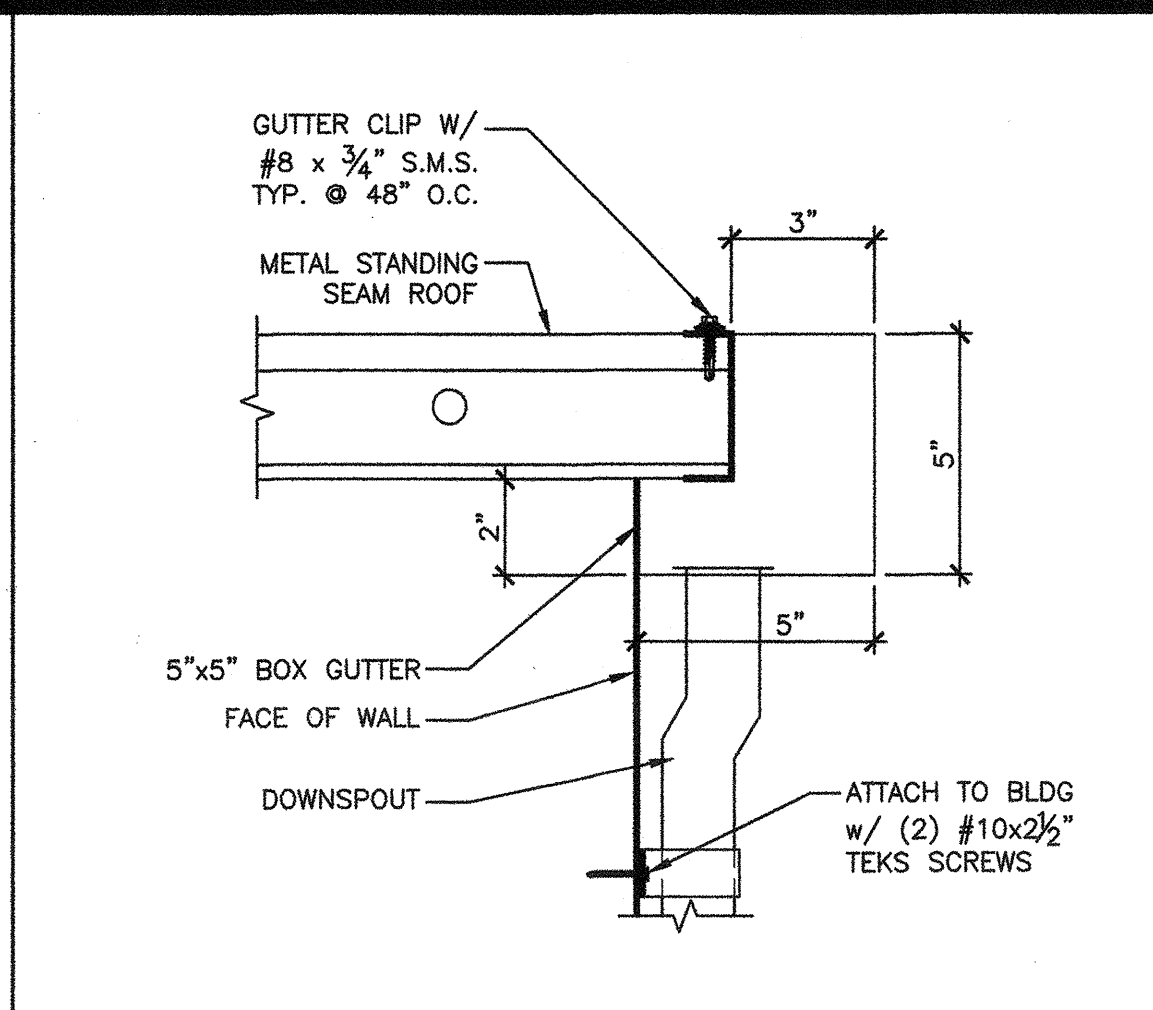
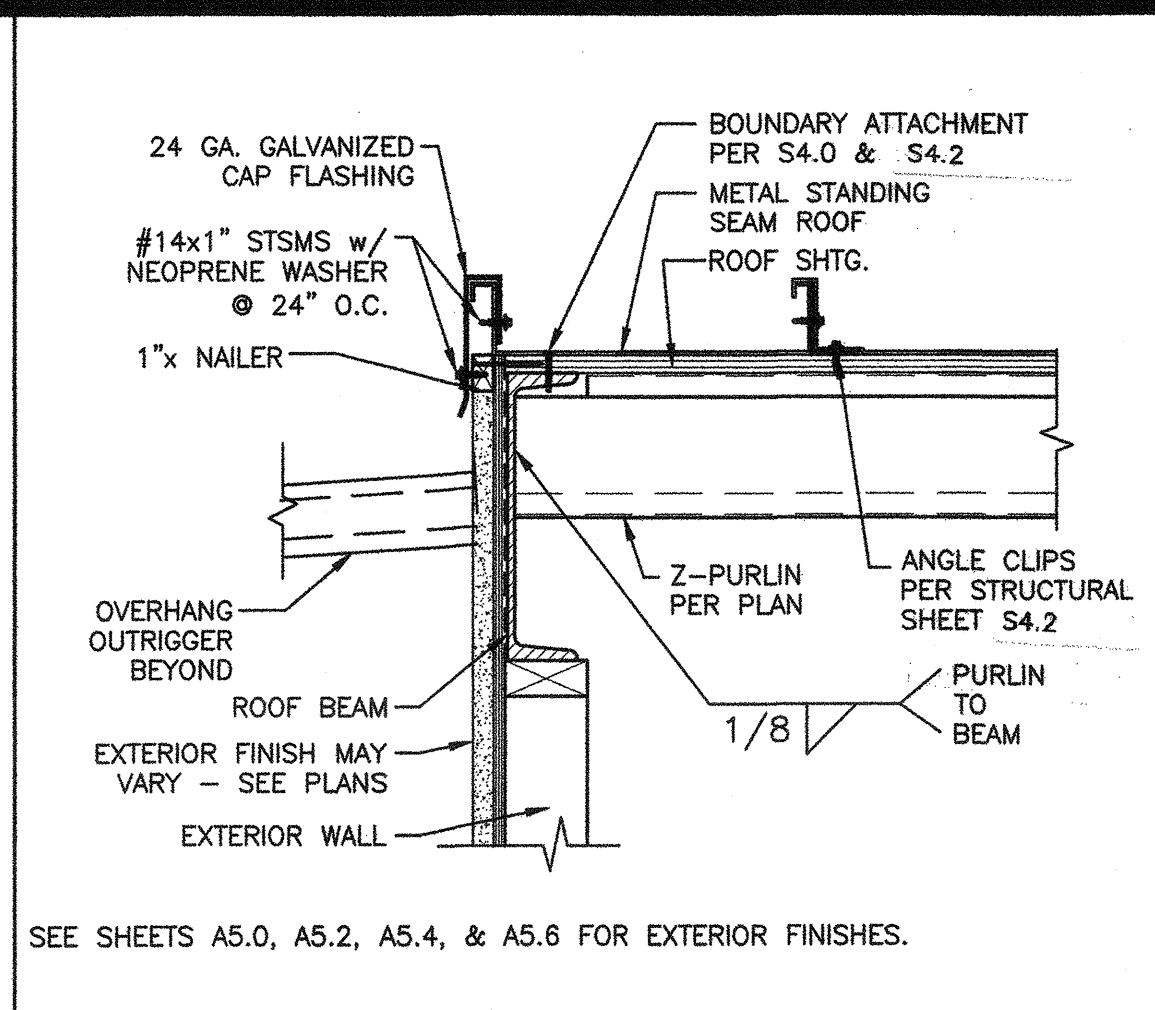
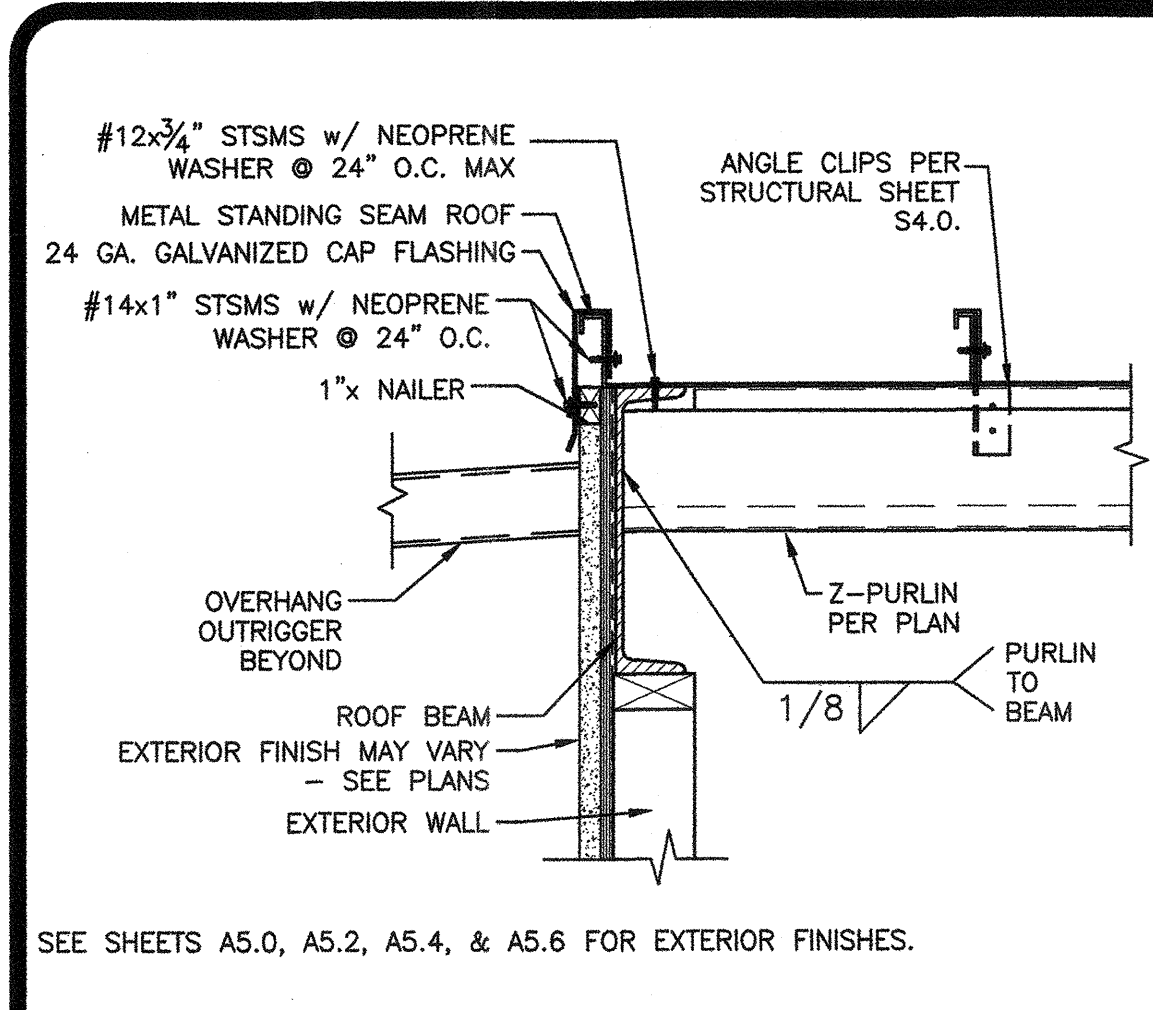
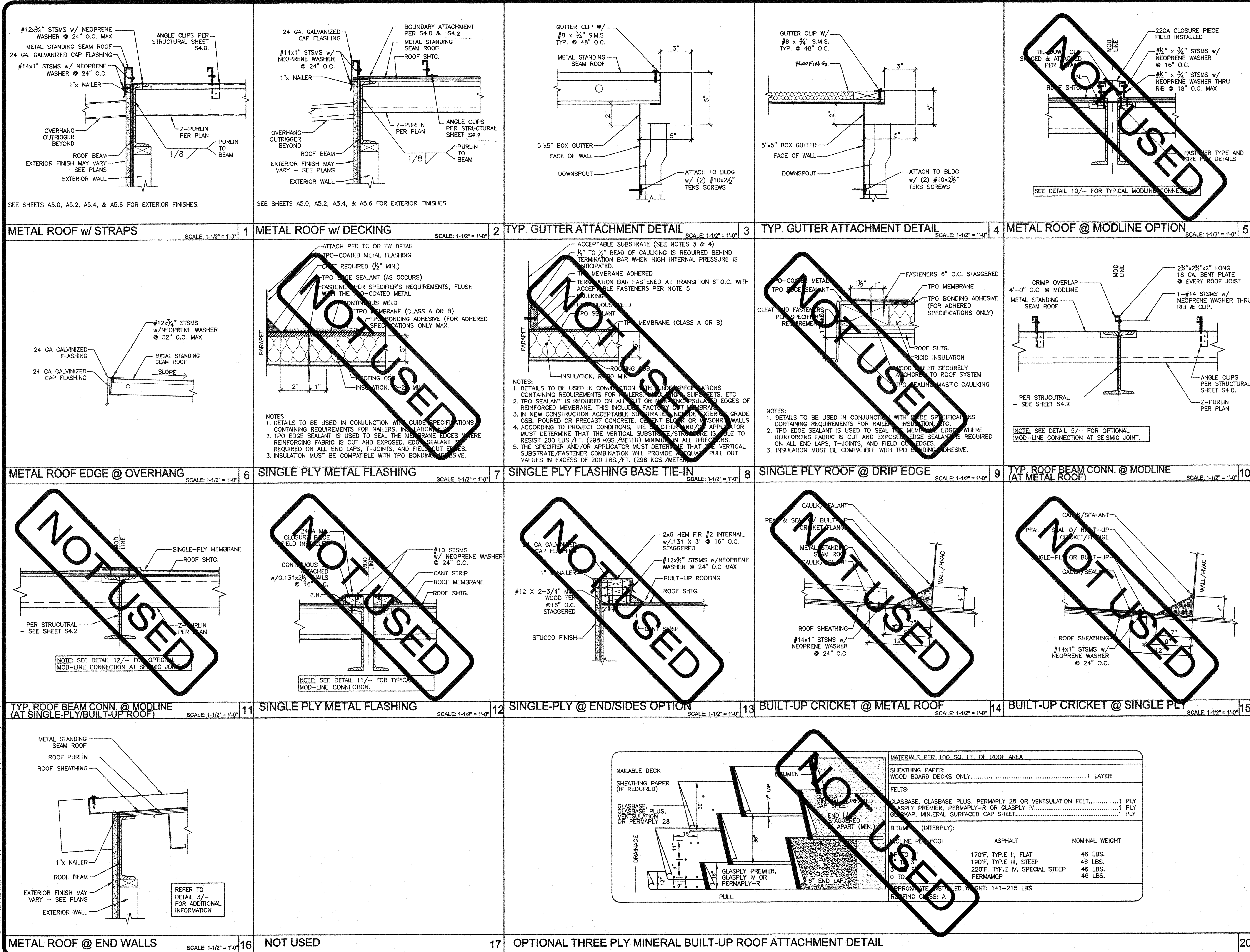
NOT USED



REQUIRED SOLAR-READY ZONE

BUILDING SIZE	MAX. ROOF AREA (SQ. FT.)	REQ'D ZONE AREA (SQ. FT.)
30'x32'	960	144
40'x32'	1280	192
50'x32'	1600	240
60'x32'	1920	288
70'x32'	2240	336
80'x32'	2560	384
90'x32'	2880	432
100'x32'	3200	480
110'x32'	3520	528
120'x32'	3840	576
130'x32'	4160	624
140'x32'	4480	672
150'x32'	4800	720

A2.0



MATERIALS PER 100 SQ. FT. OF ROOF AREA		
SHEATHING PAPER: WOOD BOARD DECKS ONLY.....	1	LAYER
FELTS:		
GLASSFIBER PLUS, PERMAPLY 28 OR VENTILATION FELT.....	1	PLY
GLASSFIBER PLUS, PERMAPLY-R OR GLASPLY IV.....	1	PLY
GLASSFIBER PLUS, PERMAPLY 28 OR VENTILATION FELT.....	1	PLY
GLASSFIBER PLUS, PERMAPLY-R OR GLASPLY IV.....	1	PLY
BITUMENS (INTERPLY):		
FLINE PER FOOT	ASPHALT	NOMINAL WEIGHT
10	170°F, TYP. E II, FLAT	46 LBS.
15	190°F, TYP. E III, STEEP	46 LBS.
20	220°F, TYP. E IV, SPECIAL STEEP	46 LBS.
30	PERMAPOL	46 LBS.
APPROXIMATE INSTALLED WEIGHT: 141-215 LBS.		
ROOFING CLASS: A		

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PRE-CHECKED SET NAME
30'x32' THRU 150'x32' BUILDINGS

Gen7
 healthy schools. delivered

SITE SPECIFIC PROJECT NAME

SHEET TITLE
TYPICAL ROOF DETAILS

MANUFACTURER PROFESSIONAL OF RECORD ON PC

REGISTERED ARCHITECT
 PATRICK CALDWELL
 No. 12831
 Exp. 3-31-18
 STATE OF CALIFORNIA

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IDENTIFICATION STAMP
 DIV. OF THE STATE ARCHITECT
 APPROX 119723
 AC 12/15/18 SS 1/1
 DATE FEB 05 2019

ORIGINAL PC STATE AGENCY APPROVAL

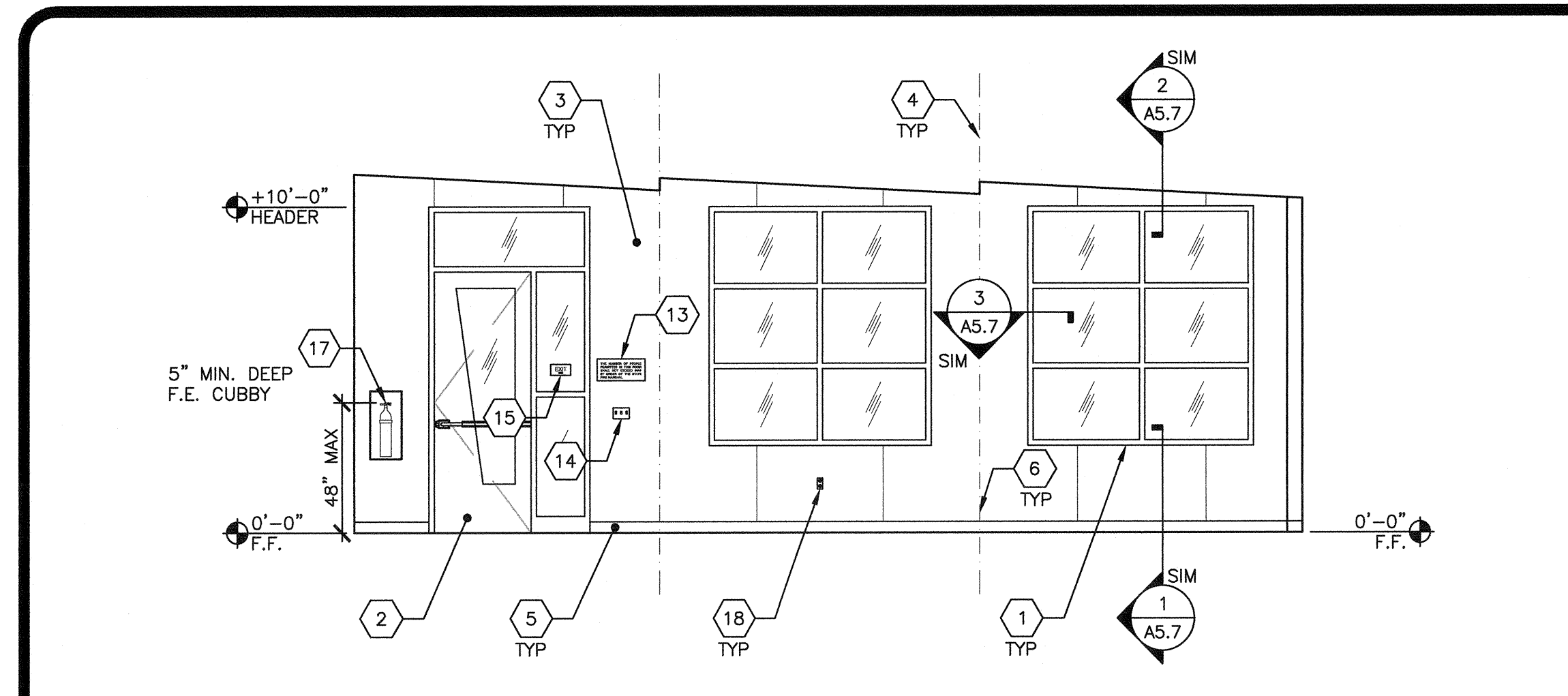
IDENTIFICATION STAMP
 DIV. OF THE STATE ARCHITECT
 PC 02-116071
 AC 12/15/18 SS 1/1
 DATE 7 10 18

PRE-CHECK (PC) DOCUMENT
 CODE: 2018 CBC
 A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRED.

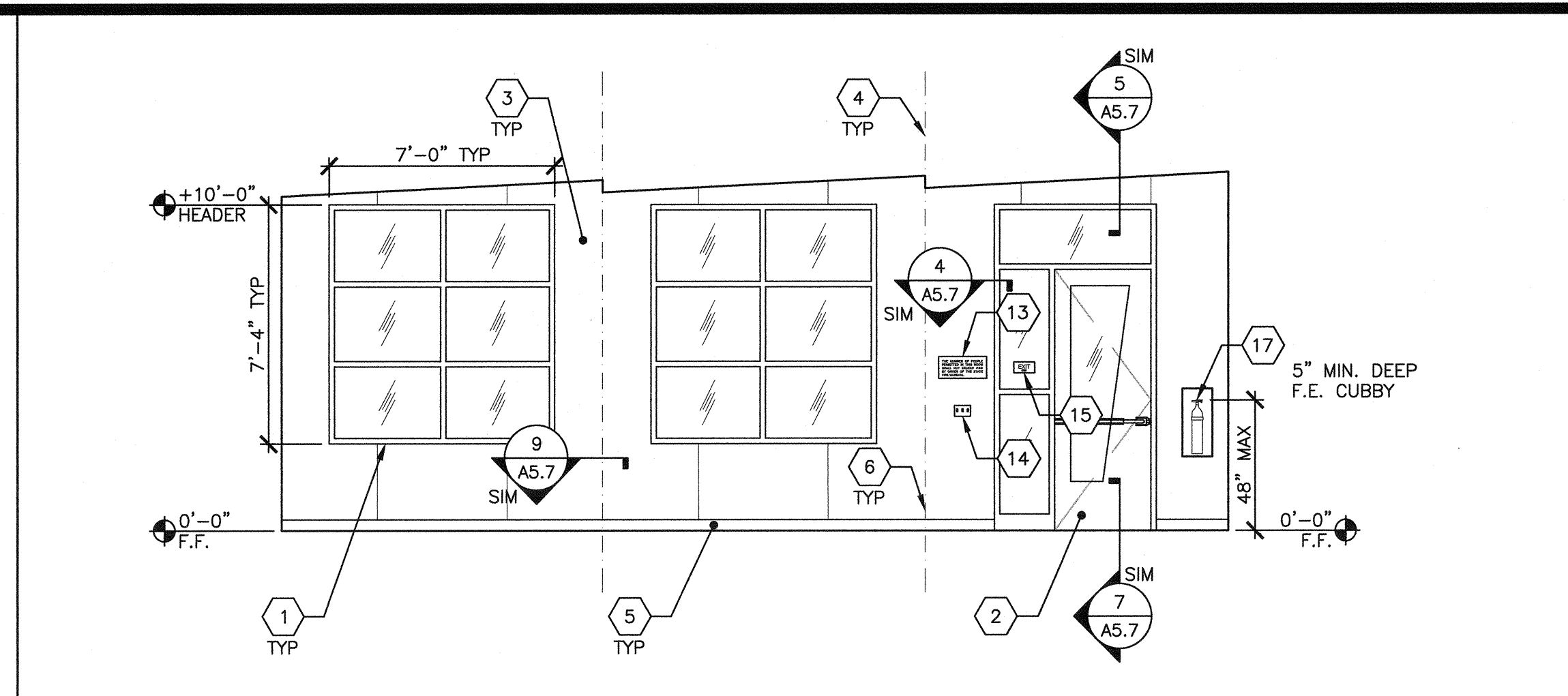
REVISIONS

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 DATE:

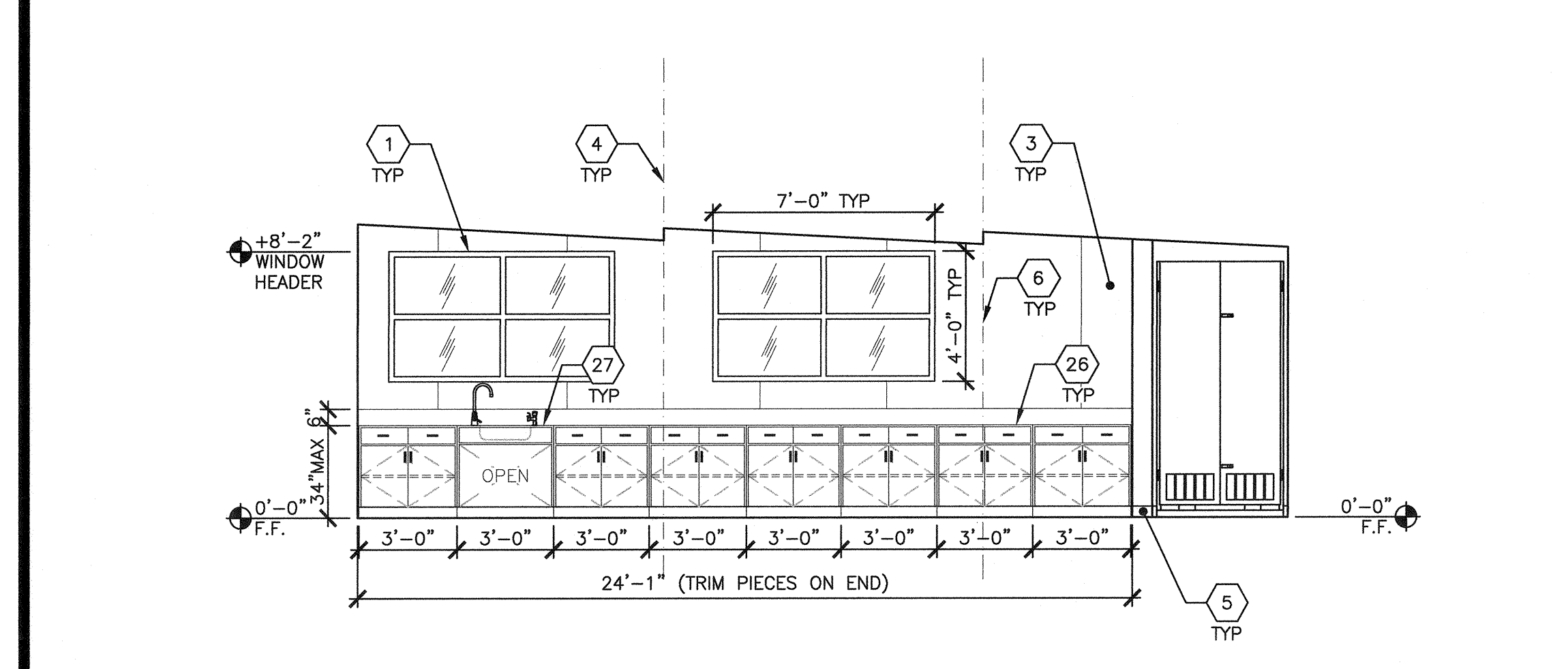
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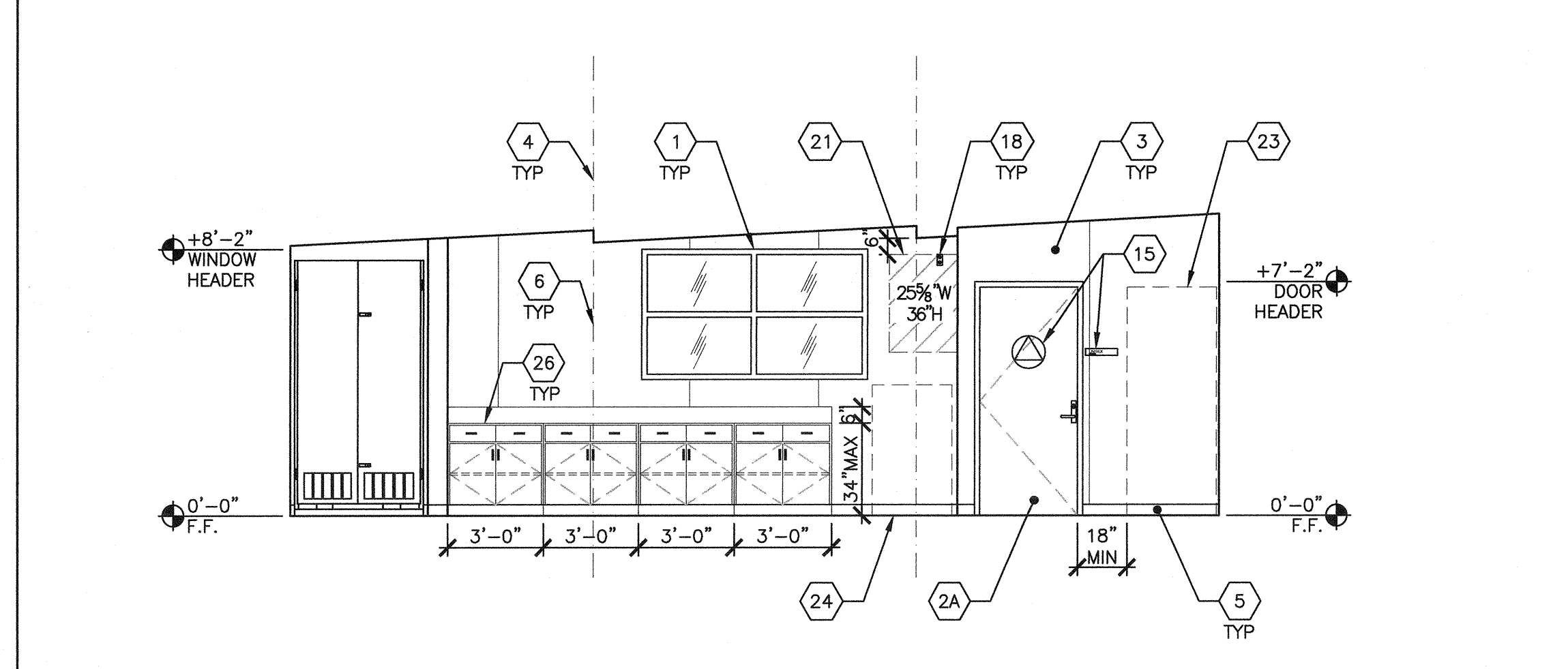
CLASSROOM 102 FRONT END WALL ELEVATION SCALE: 1/4"=1'-0" 1



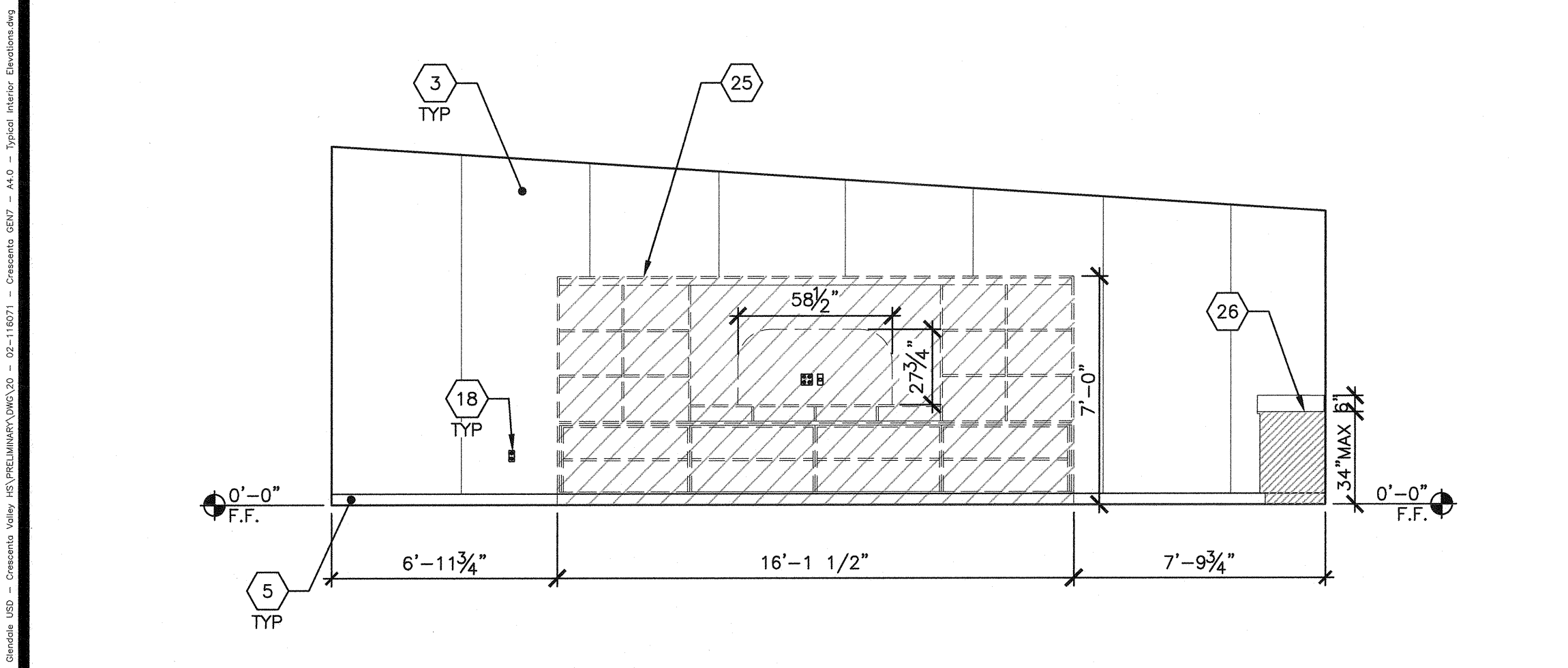
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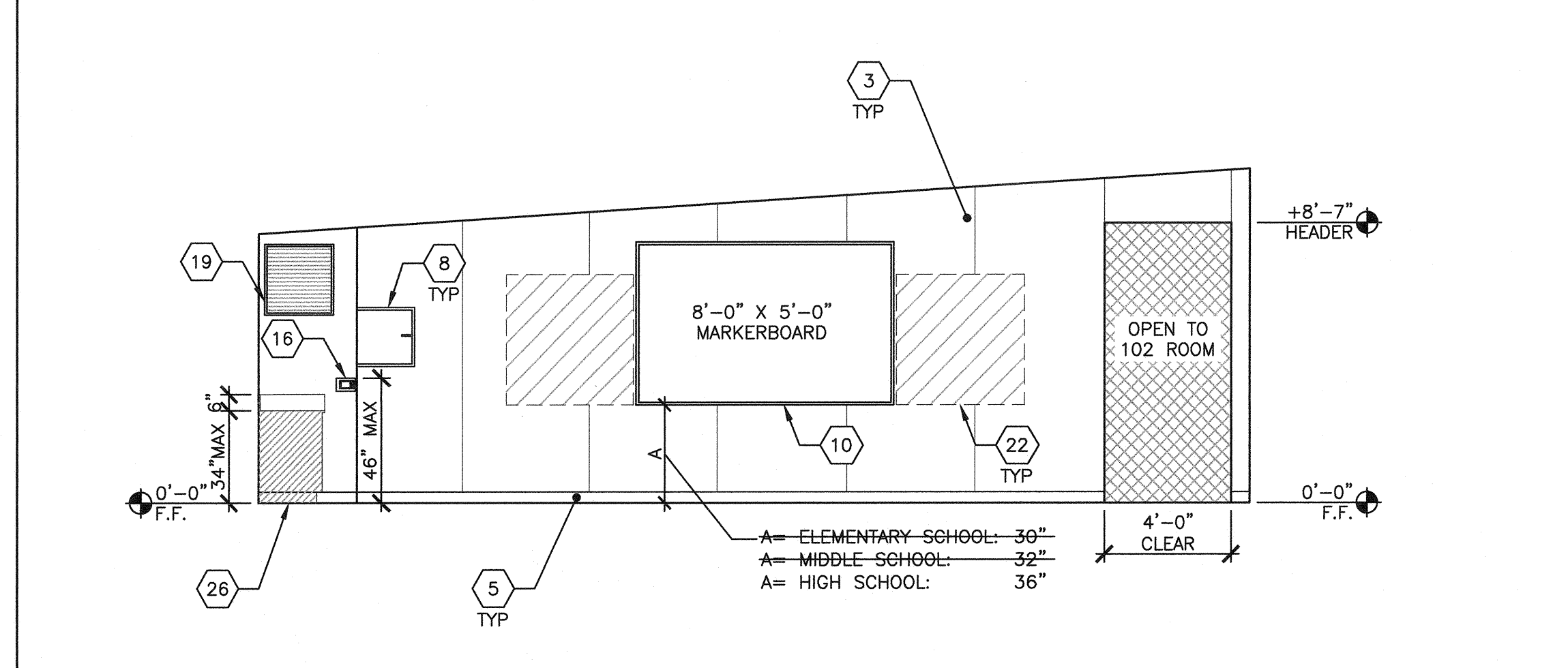
CLASSROOM 101 REAR END WALL ELEVATION SCALE: 1/4"=1'-0" 3



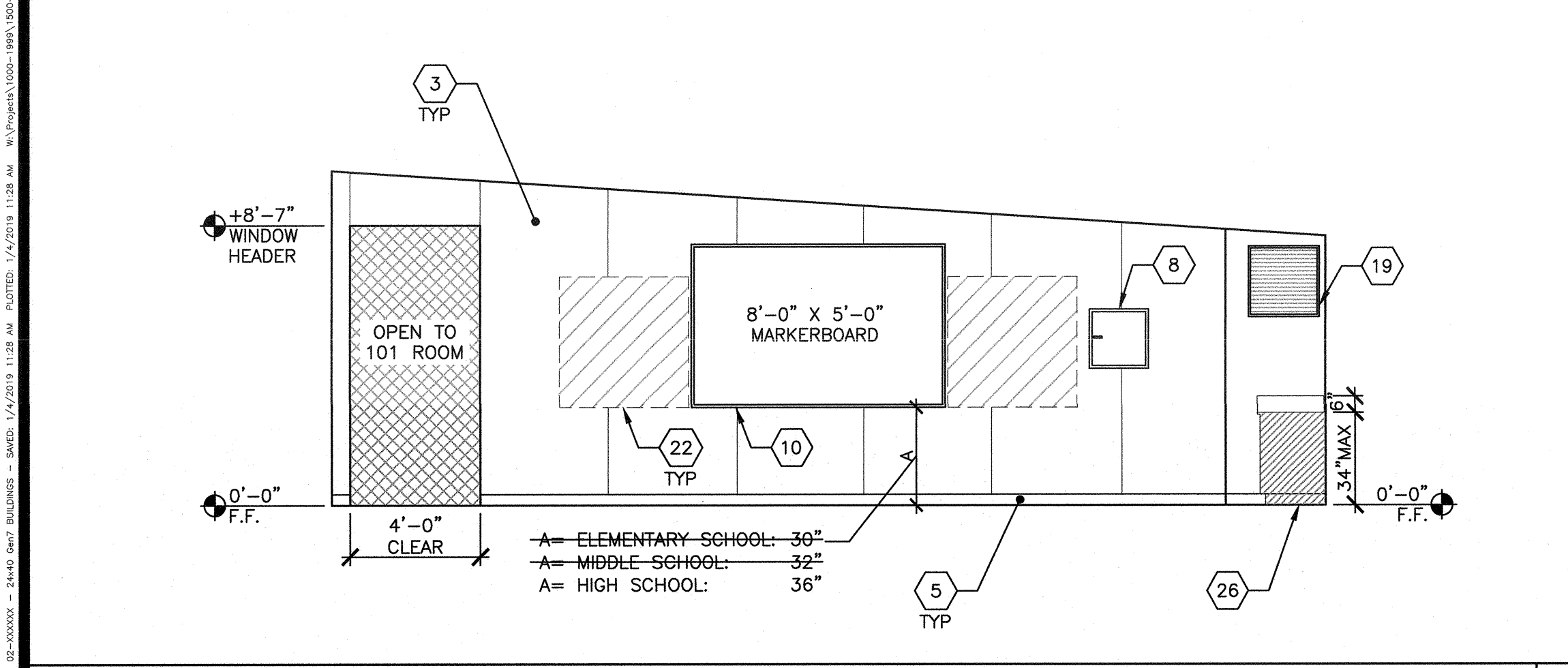
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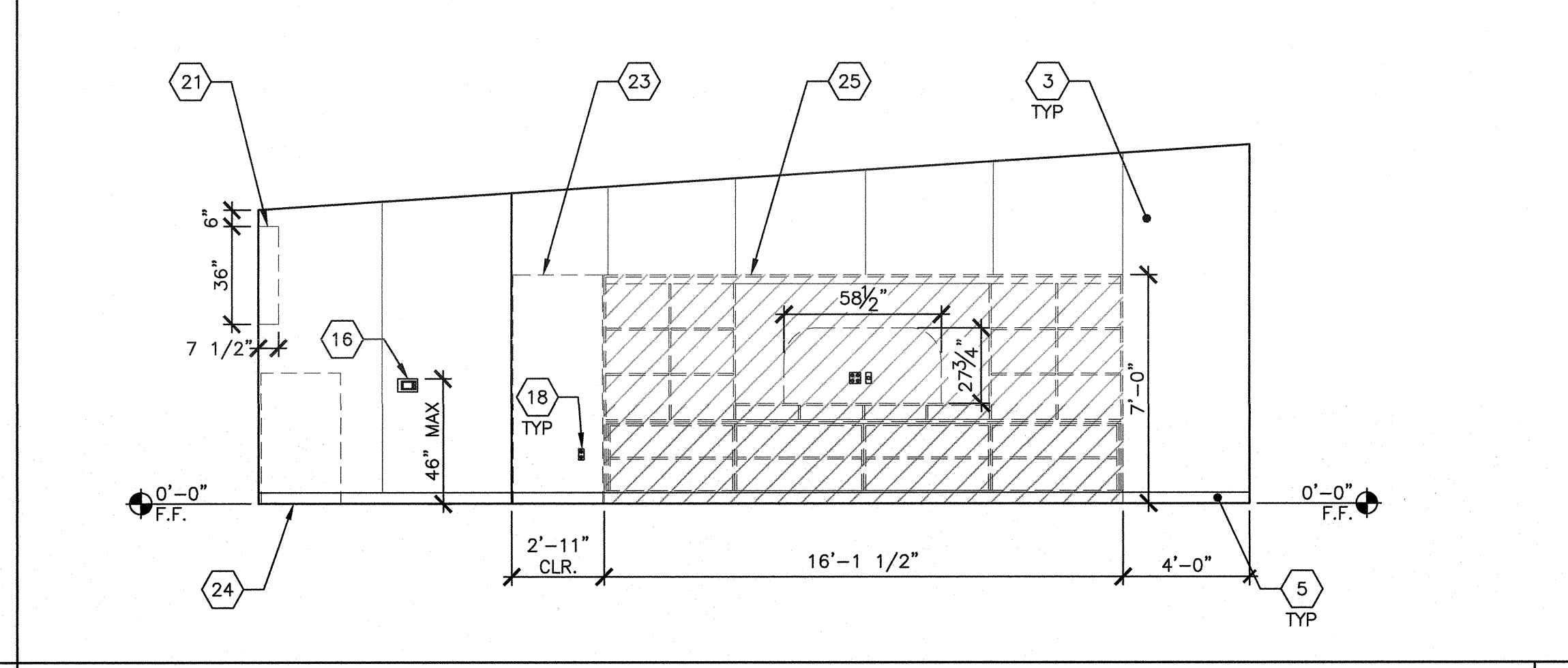
CLASSROOM 101 SIDE WALL ELEVATION SCALE: 1/4"=1'-0" 5



CLASSROOM 101 SIDE WALL ELEVATION SCALE: 1/4"=1'-0" 6

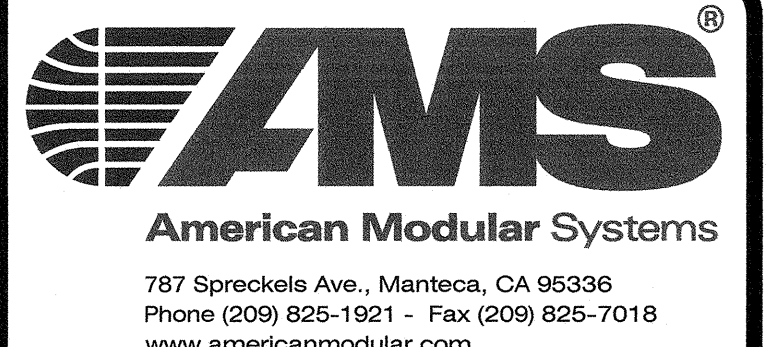


CLASSROOM 102 SIDE WALL ELEVATION SCALE: 1/4"=1'-0" 7



CLASSROOM 102 SIDE WALL ELEVATION SCALE: 1/4"=1'-0" 8

- 1 WINDOW, SEE SPEC'S
- 2 TYP. EXTERIOR DOOR
- 3 TYP. INTERIOR DOOR
- 4 TYP. MOD LINE
- 5 TOP SET BASE
- 6 FULL PANEL CLOSE-UP AT MOD-LINES, TYP.
- 7 NOT USED
- 8 ELECTRICAL PANEL - SEE ELECTRICAL SHEETS
- 9 NOT USED
- 10 8'x5' MARKER BOARDS - SEE DETAIL 9/-
- 11 NOT USED
- 12 NOT USED
- 13 OCCUPANT LOAD SIGN PER DETAIL 11/N4.0 (BY OTHERS)
- 14 LIGHT SWITCH - SEE ELECTRICAL SHEETS
- 15 TACTILE SIGNS PER DETAILS ON N4.0 (NIC)
- 16 THERMOSTAT, TOP @ 46" A.F.F. - SEE MECHANICAL SHEETS
- 17 FIRE EXTINGUISHER TOP OF HANDLE @ +48" MAX. A.F.F. PROTRUSION MAX 4" FROM WALL IF BOTTOM OF FIRE EXTINGUISHER LESS THAN +27" A.F.F.
- 18 TYP. DUPLEX OUTLET - SEE ELECTRICAL SHEETS
- 19 HVAC GRILL
- 20 NOT USED
- 21 IDF CABINET - MOUNT 6" BELOW CEILING LINE (BY OTHERS); AMS TO PROVIDE BLOCKING AS NEEDED PER A7.1
- 22 TACKLE BOARD (BY OTHERS); AMS TO PROVIDE BLOCKING AS NEEDED PER A7.1
- 23 ICE MACHINE (BY OTHERS)
- 24 WEIGHT RACK (BY OTHERS)
- 25 TEACHING WALL (BY OTHERS); AMS TO PROVIDE BLOCKING AS NEEDED
- 26 CASEWORK - BLOCKING PER A7.1
- 27 CASEWORK W/SINK - BLOCKING PER A7.1 AND SINK DETAIL 17/A1.1



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PRE-CHECKED SET NAME
30'x32' THRU 150'x32' BUILDINGS
 Gen7
 quality schools. delivered

SITE SPECIFIC PROJECT NAME
GLENDALE USD CRESCENTA VALLEY HS (1) 60'x32' BUILDING

SHEET TITLE
TYPICAL CLASSROOM INTERIOR ELEVATIONS

MANUFACTURER PROFESSIONAL OF RECORD ON PC
 LICENSED ARCHITECT
 PATRICK C. CHAPMAN
 No. 5-31-18
 STATE OF CALIFORNIA

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PROJECT SPECIFIC STATE AGENCY APPROVAL
 IDENTIFICATION STAMP
 DIV. OF THE STATE ARCHITECT
 APPROX 119722
 AC: PIS SS BY
 DATE FEB 05 2019

ORIGINAL PC STATE AGENCY APPROVAL

KEY NOTES

150# MAX

WOOD STUDS:
 #10x2" WOOD SCREWS TO STUDS @ 16" O.C. TOP (MIN. (5) SCREWS FOR AN 8'-0" BOARD)

METAL STUDS:
 #8x2" STS @ 16" O.C. TOP (MIN. (5) SCREWS FOR AN 8'-0" BOARD)

WOOD STUDS:
 #12x2" WOOD SCREWS @ 32" O.C. BOT. (MIN. (3) SCREWS FOR AN 8'-0" BOARD)

METAL STUDS:
 #8x2" STS @ 32" O.C. BOT. (MIN. (3) SCREWS FOR AN 8'-0" BOARD)

NOTE:
 1. ATTACHMENT IS FOR EACH MARKERBOARD.
 2. EACH WHITEBOARD SHALL PROTRUDE 4" MAX HORIZONTALLY INTO THE CIRCULATION PATH, PER CBC SECTION 11B-307.2.
 3. EACH WHITEBOARD SHALL HAVE FASTENERS PROVIDED BY MANUFACTURER.

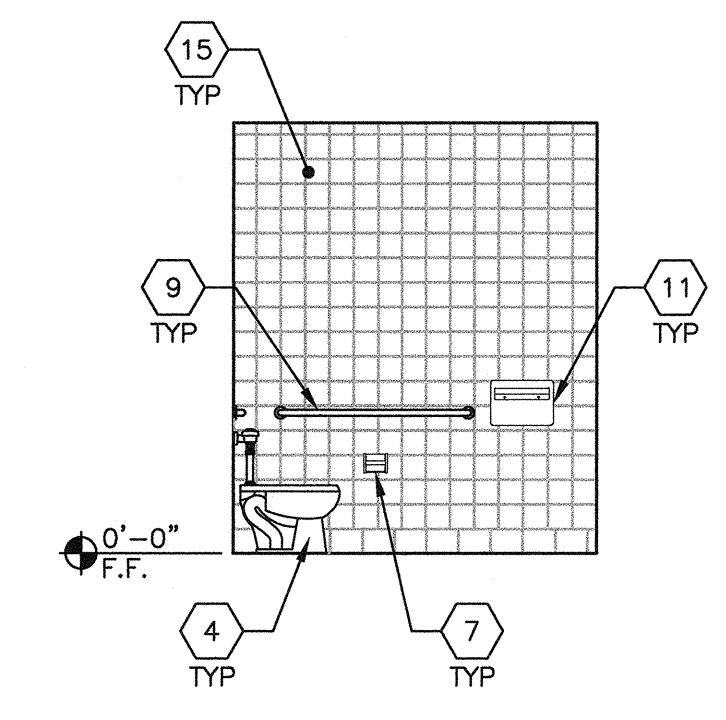
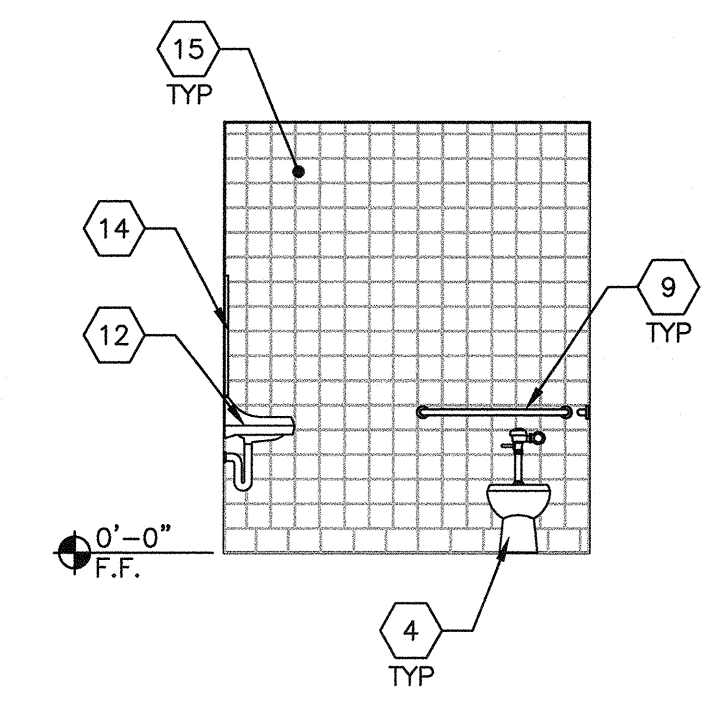
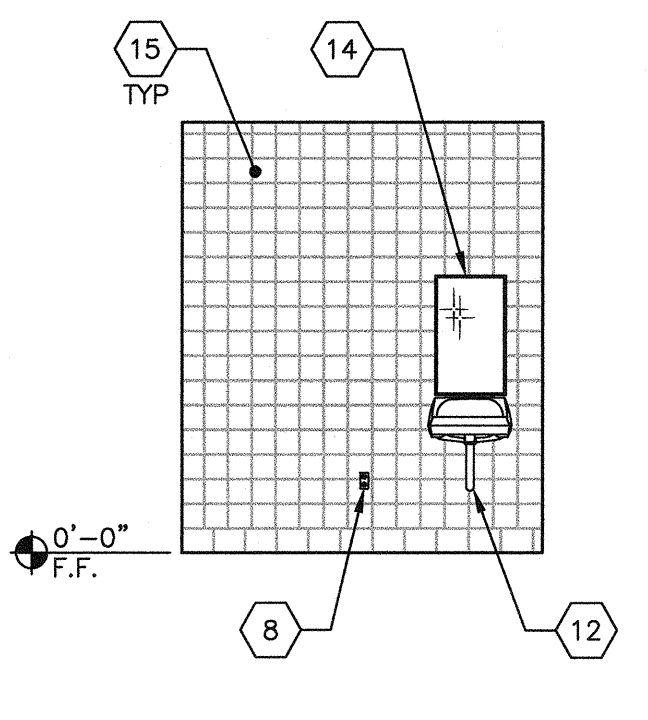
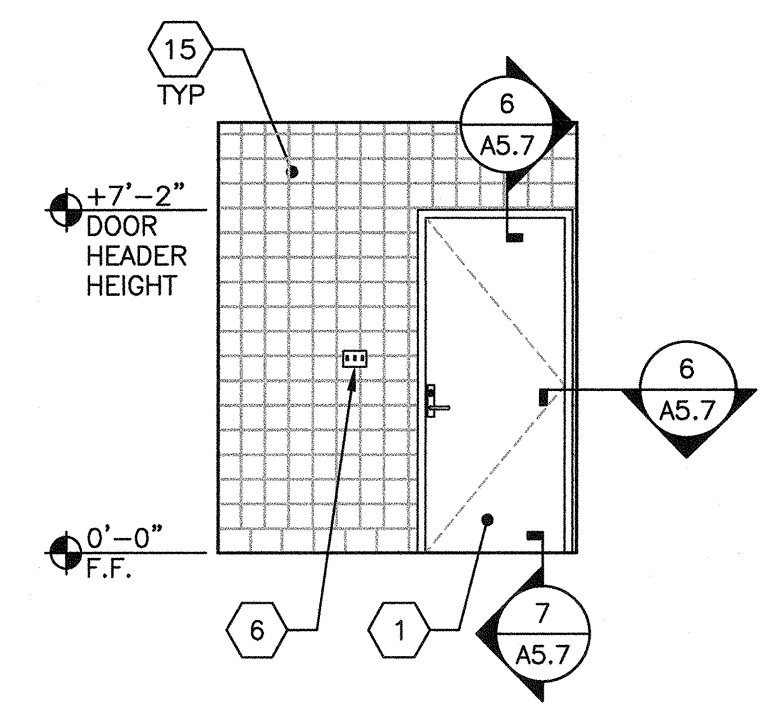
MARKERBOARD ATT. DETAIL SCALE: 1/4"=1'-0" 9

BASED ON PC# 02-116071
 PRE-CHECK (PC) DOCUMENT
 CODE 2016 CBC
 A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRED.

REVISIONS

DRAWN BY: AS
 SCALE: AS NOTED
 DATE: 01/04/19
 SHEET NUMBER


A4.0



- 1 TYPICAL DOOR
- 2 NOT USED
- 3 NOT USED
- 4 ACCESSIBLE TOILET - SEE DETAIL 14/P2.0
- 5 NOT USED
- 6 LIGHT SWITCH - SEE ELECTRICAL SHEETS
- 7 TOILET PAPER DISPENSER (BRADLEY MODEL 508-32, OR EQUAL)
- 8 TYP. GFCI OUTLET - SEE ELECTRICAL SHEETS
- 9 GRAB BAR - SEE DETAIL 6/A7.1
- 10 NOT USED
- 11 TOILET SEAT COVER DISPENSER N.I.C. (BOBRICK MODEL B-221, OR EQUAL)
- 12 ACCESSIBLE LAVATORY - SEE DETAIL 17/P2.0
- 13 NOT USED
- 14 TYP. MIRROR (19# MAX. WEIGHT) - SEE DETAIL 17/P2.0
- 15 CERAMIC TILE W/CERAMIC TILE BASE

RESTROOM ELEVATION <small>AGE RANGE: 13-ADULT</small> <small>SCALE: 1/4" = 1'-0"</small>	RESTROOM ELEVATION <small>AGE RANGE: 13-ADULT</small> <small>SCALE: 1/4" = 1'-0"</small>	RESTROOM ELEVATION <small>AGE RANGE: 13-ADULT</small> <small>SCALE: 1/4" = 1'-0"</small>	RESTROOM ELEVATION <small>AGE RANGE: 13-ADULT</small> <small>SCALE: 1/4" = 1'-0"</small>
NOT USED	NOT USED	NOT USED	NOT USED
NOT USED	NOT USED	NOT USED	NOT USED
NOT USED	NOT USED	NOT USED	NOT USED
NOT USED	NOT USED	NOT USED	NOT USED
NOT USED	NOT USED	NOT USED	NOT USED
NOT USED	NOT USED	NOT USED	NOT USED


NOTE: FOR ACCESSIBLE FIXTURES & ACCESSORIES MOUNTING HEIGHT REQUIREMENTS (PER CBC CHAPTER 11B), SEE SHEET P2.0, DETAIL 10.



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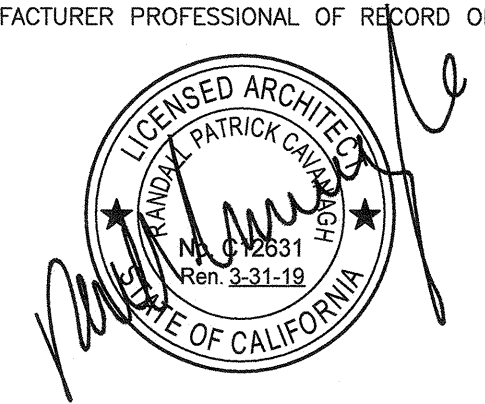
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PRE-CHECKED SET NAME
30'x32' THRU 150'x32' BUILDINGS

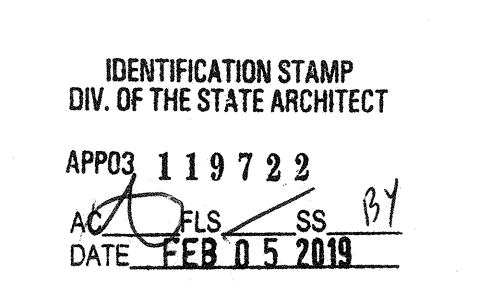


SITE SPECIFIC PROJECT NAME
**GLENDALE USD
CRESCENTA VALLEY HS
(1) 60'x32' BUILDING**

SHEET TITLE
**RESTROOM
INTERIOR ELEVATIONS**

MANUFACTURER PROFESSIONAL OF RECORD ON PC


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PROJECT SPECIFIC STATE AGENCY APPROVAL


ORIGINAL PC STATE AGENCY APPROVAL

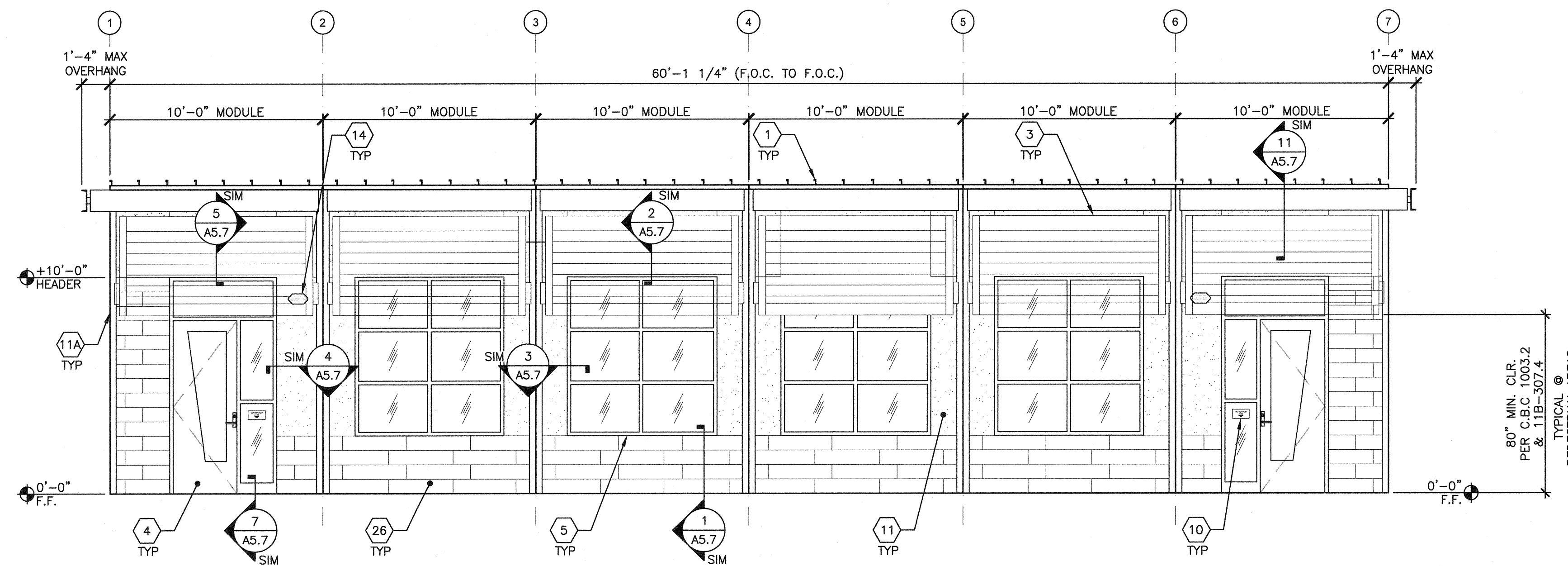
BASED ON PC# 02-116071
PRE-CHECK (PC) DOCUMENT
CODE: 2016 CBC
A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRED.

REVISIONS

▲	
▲	
▲	
▲	

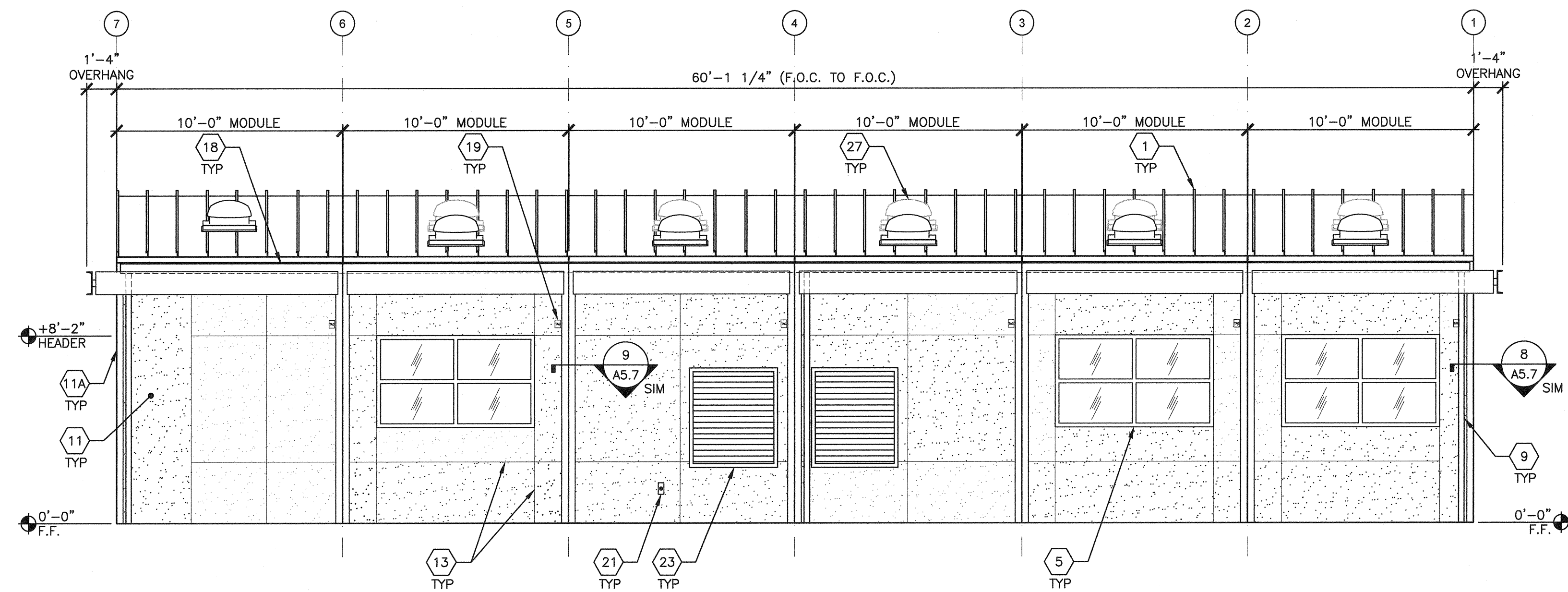
DRAWN BY: AS
SCALE: AS NOTED
DATE: 01/04/19
SHEET NUMBER

A4.1



EXTERIOR ELEVATION - FRONT

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



EXTERIOR ELEVATION - REAR

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

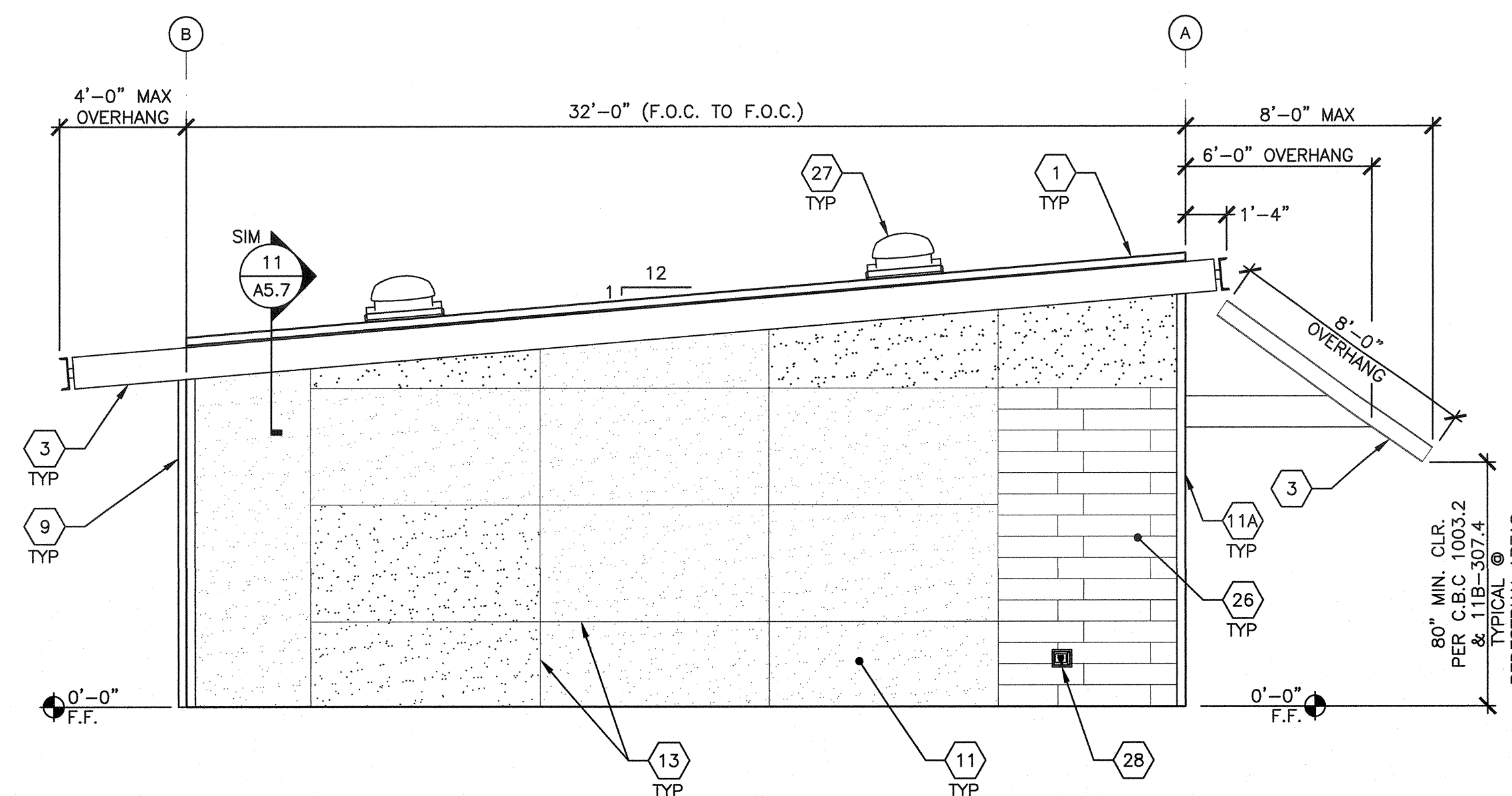
- 1 STANDING SEAM METAL ROOFING
- 2 NOT USED
- 3 OVERHANG - SEE STRUCTURAL
- 4 TYP. EXTERIOR DOOR - SEE SCHEDULE SHEET N3.0
- 5 WINDOW - SEE SCHEDULE SHEET N3.0
- 6 NOT USED
- 7 NOT USED
- 8 NOT USED
- 9 DOWNSPOUT SEE DETAIL 8/AS.7 FOR ATTACHMENT
- 10 ROOM ID AND ISA SIGNAGE (BY OTHER) SEE DETAILS 5 & 9/N4.0 - TYP.
- 11 SYNTHETIC STUCCO FINISH
- 11A 18 GA. FLASHING TRIM @ MODLINE & @ CORNERS
- 11B NOT USED
- 12 NOT USED
- 13 CONTROL JOINT (LOCATION MAY VARY) SIMILAR DETAIL 9/AS.3 @ STUDS
- 14 EXTERIOR LIGHT - SEE ELECTRICAL
- 15 NOT USED
- 16 NOT USED
- 17 NOT USED
- 18 GUTTER - SEE ATTACHMENT DETAIL 3/A2.1 AT METAL STANDING SEAM ROOFING
- 19 MODULAR IDENTIFICATION TAG +90" ABOVE AFF
- 20 NOT USED
- 21 WP/G.F.C.I. @ HVAC UNITS - REFER TO ELECTRICAL PLANS
- 22 NOT USED
- 23 HVAC VENT
- 24 NOT USED
- 25 NOT USED
- 26 TILE WAINSCOT PER A7.0
- 27 SOLA-TUBE - SEE M1.6
- 28 HOSE BIBB - SEE 4/P1.0

KEY NOTES

BUILDING SIZE	TOTAL # OF 10'-0" WIDE MODULES	TOTAL # OF CENTER MODULES	TOTAL BLDG WIDTH
30'x32'	3	1	30'-1/2"
40'x32'	4	2	40'-3/4"
50'x32'	5	3	50'-1"
60'x32'	6	4	60'-1 1/2"
70'x32'	7	5	70'-1 1/2"
80'x32'	8	6	80'-1 3/4"
90'x32'	9	7	90'-2"
100'x32'	10	8	100'-2 1/4"
110'x32'	11	9	110'-2 3/4"
120'x32'	12	10	120'-2 3/4"
130'x32'	13	11	130'-3"
140'x32'	14	12	140'-3 1/4"
150'x32'	15	13	150'-3 1/2"

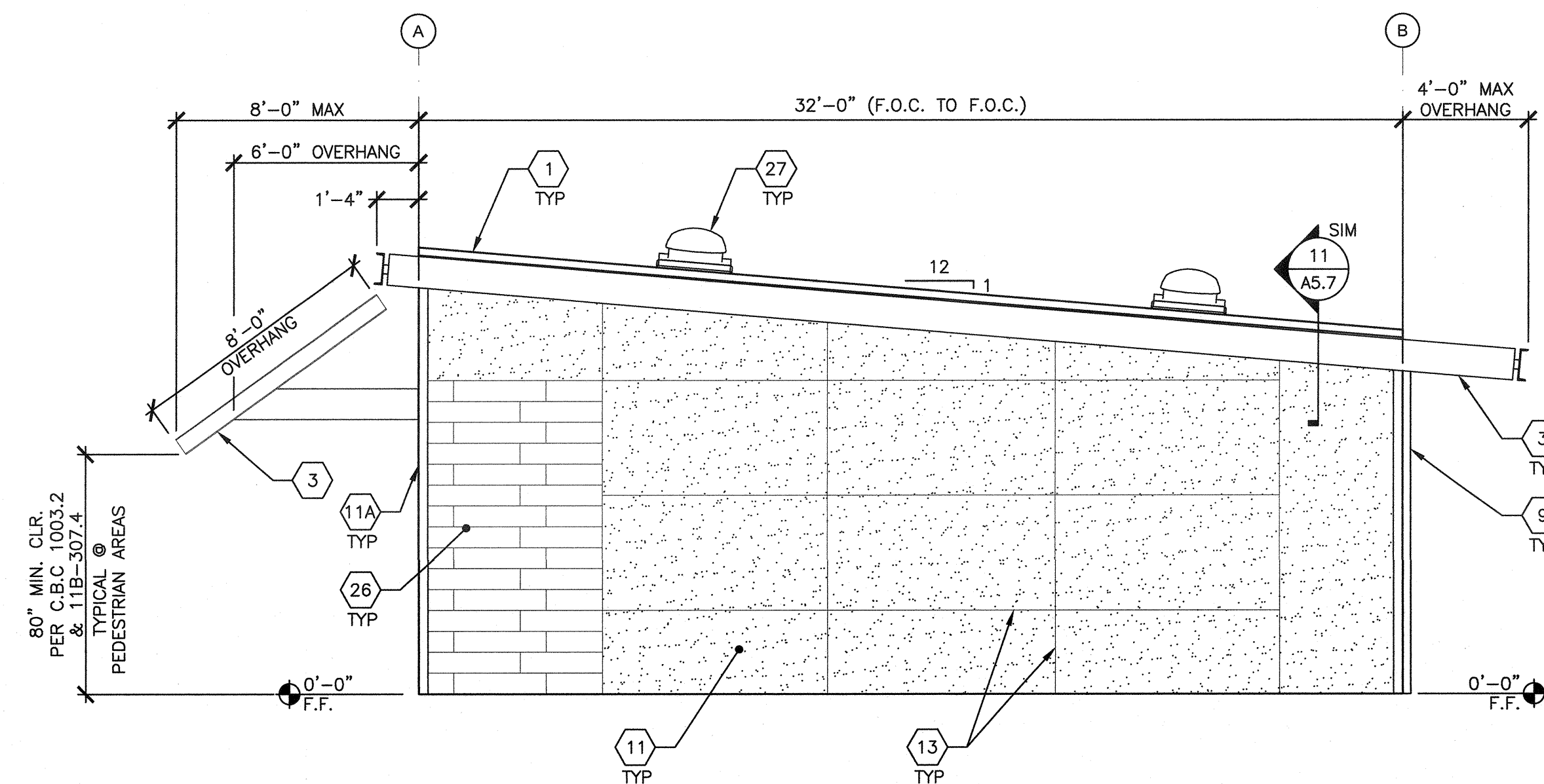
NOTES:
1. TOTAL BUILDING WIDTH INCLUDES 1/4" PER MODULE CONSTRUCTION TOLERANCE PER FOUNDATION SHEETS S1.1, S1.2, & S1.3

BUILDING SIZE SCHEDULE



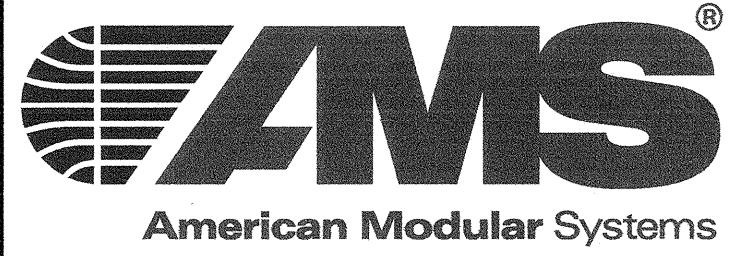
EXTERIOR ELEVATION - LEFT

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



EXTERIOR ELEVATION - RIGHT

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



787 Sprinkles Ave., Manteca, CA 95336
Phone (209) 825-1921 - Fax (209) 825-7018
www.americanmodular.com

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PRE-CHECKED SET NAME
30'x32' THRU 150'x32' BUILDINGS
Gen7
healthy schools, delivered

SITE SPECIFIC PROJECT NAME
**GLENDALE USD
CRESCENTA VALLEY HS
(1) 60'x32' BUILDING**

SHEET TITLE
**TYP. EXTERIOR ELEVATIONS
- SYNTHETIC STUCCO OPTION**

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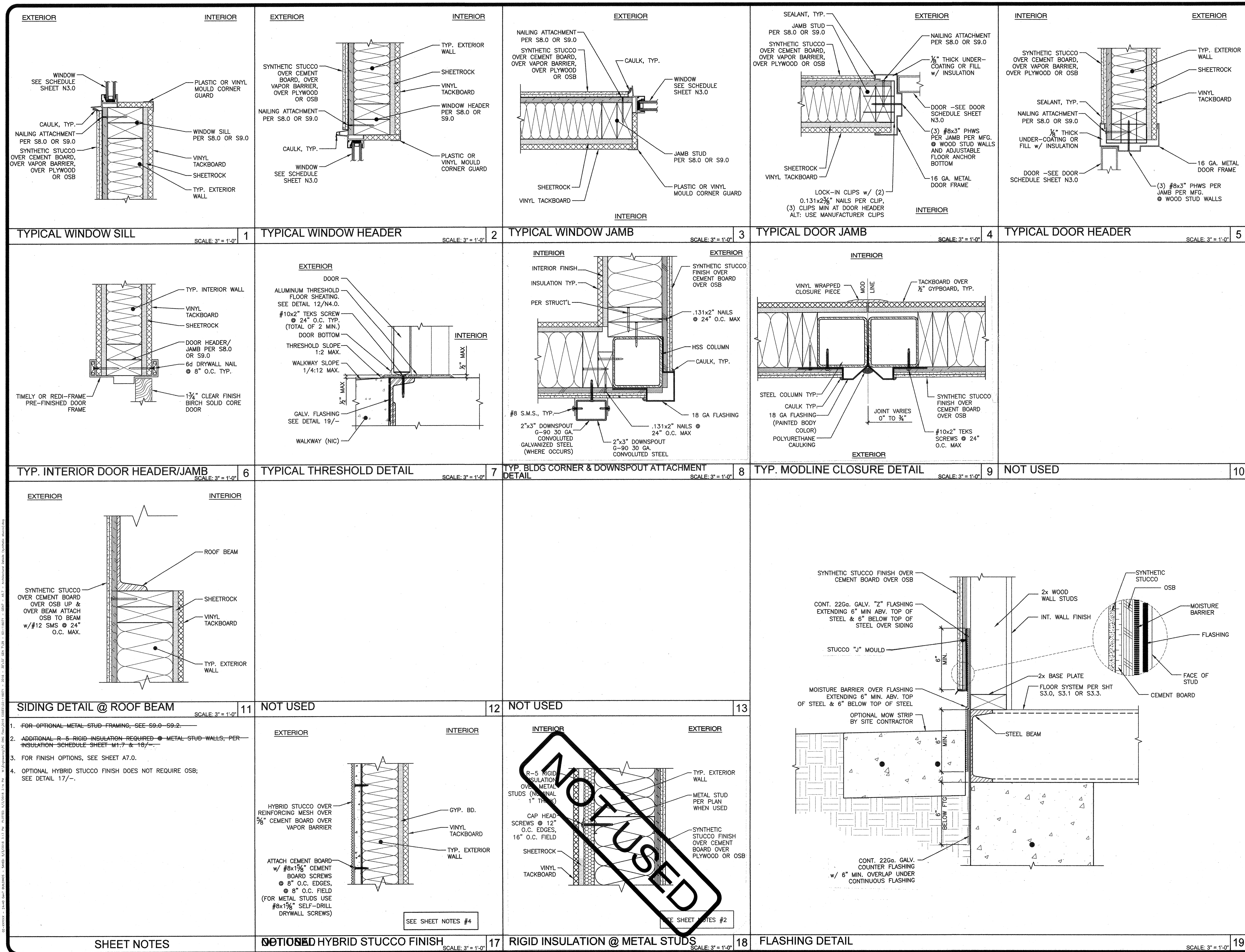
IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APPROX 119722
DATE FEB 05 2019

ORIGINAL PC STATE AGENCY APPROVAL

BASED ON PC# 02-116071
PRE-CHECK (PC) DOCUMENT
CODE: 2016 CBC
A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRED.

REVISIONS
DRAWN BY: AS
SCALE: AS NOTED
DATE: 01/04/19
SHEET NUMBER

A5.6



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PRE-CHECKED SET NAME
30'x32' THRU 150'x32' BUILDINGS
Gen7
 healthy schools. delivered

SITE SPECIFIC PROJECT NAME
 SHEET TITLE
TYP. ARCHITECTURAL DETAILS
- SYNTHETIC STUCCO OPTION

MANUFACTURER PROFESSIONAL OF RECORD ON PC
 LICENSED ARCHITECT
 JONAS PATRICKSON
 No. 21831
 Exp. 3-31-18
 STATE OF CALIFORNIA

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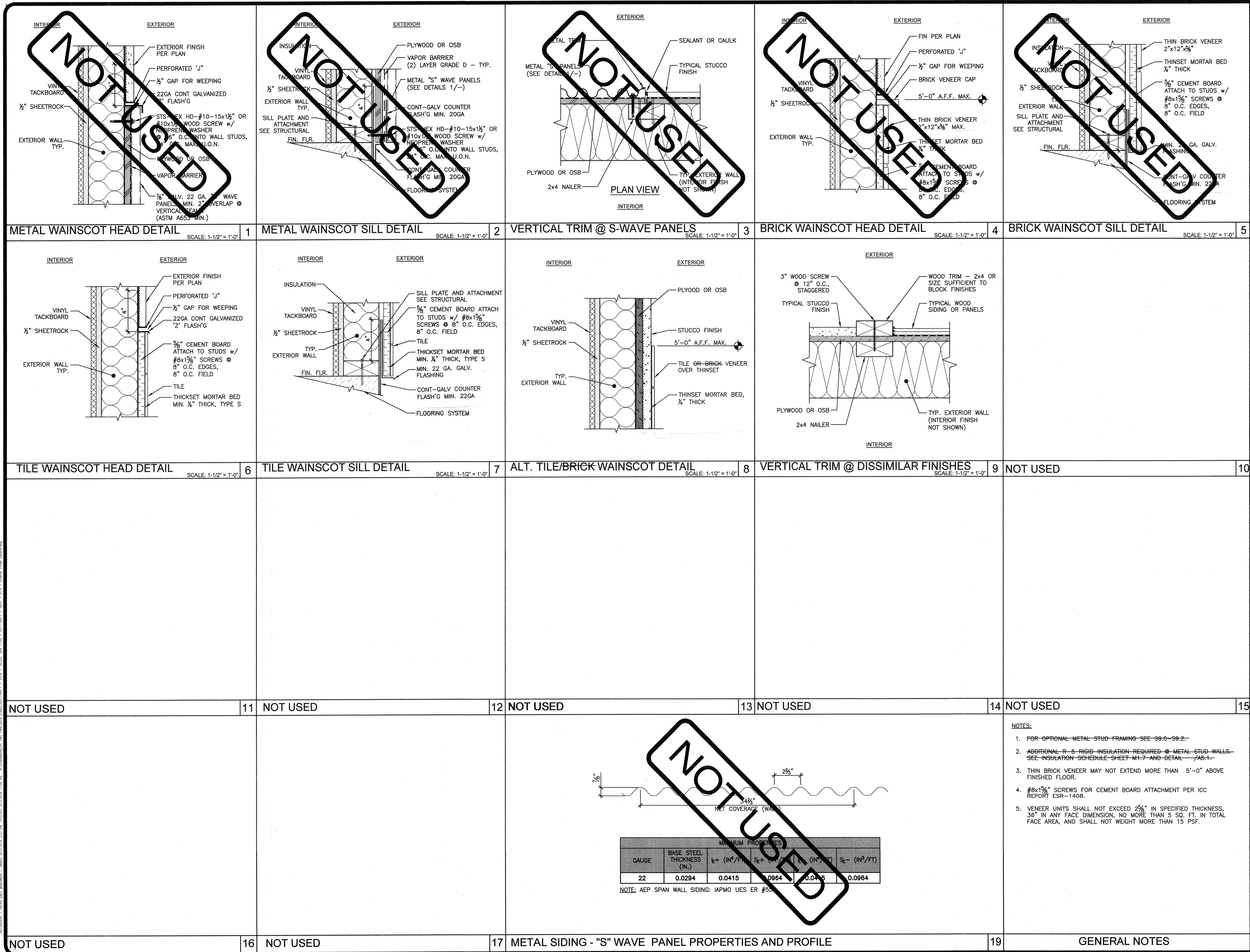
IDENTIFICATION STAMP
 DIV. OF THE STATE ARCHITECT
 APPROVED 19722
 AC. FEB 05 2019
 DATE FEB 05 2019

ORIGINAL PC STATE AGENCY APPROVAL
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 DIV. OF THE STATE ARCHITECT
 PC 02-116071
 AC. 11/10/18
 DATE 7 10 18

PRE-CHECK (PC) DOCUMENT
 CODE: 2016 CB2
 A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRED.

REVISIONS
 DRAWN BY: AS NOTED
 SCALE: AS NOTED
 DATE:
 SHEET NUMBER

A5.7



NOT USED

NOT USED

NOT USED

NOT USED

NOT USED

NOT USED



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30'x32' THRU 150'x32' BUILDINGS
Gen7
healthy schools, delivered

SITE SPECIFIC PROJECT NAME

SHEET TITLE
ARCHITECTURAL EXTERIOR FINISH OPTIONS DETAILS

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DATE FEB 05 2019

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AC [Signature] FLS SS [Signature]
DATE 7 10 18
PRE-CHECK (PC) DOCUMENT
CODE: 2016 CBC
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REVISIONS

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SCALE: AS NOTED
DATE: SHEET NUMBER

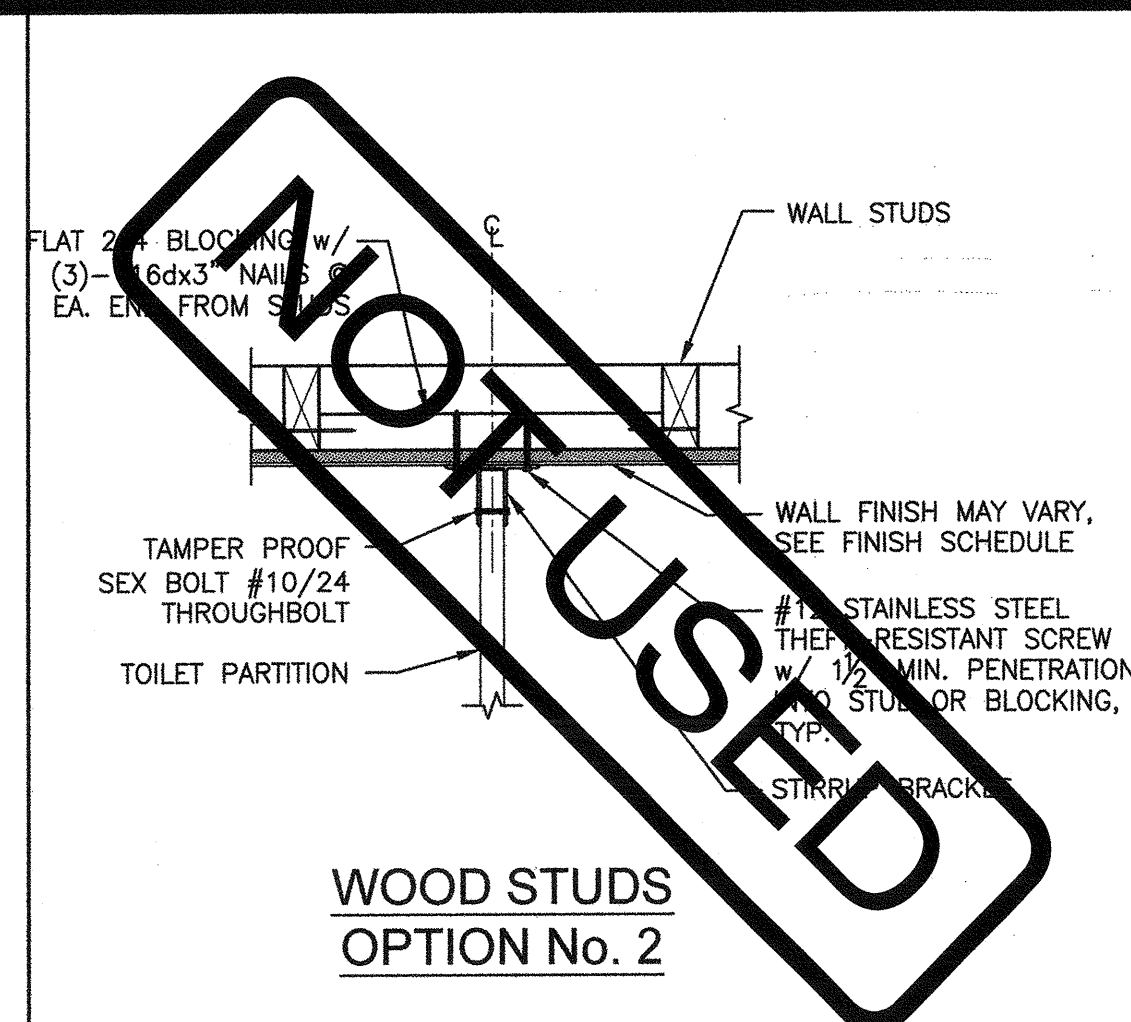
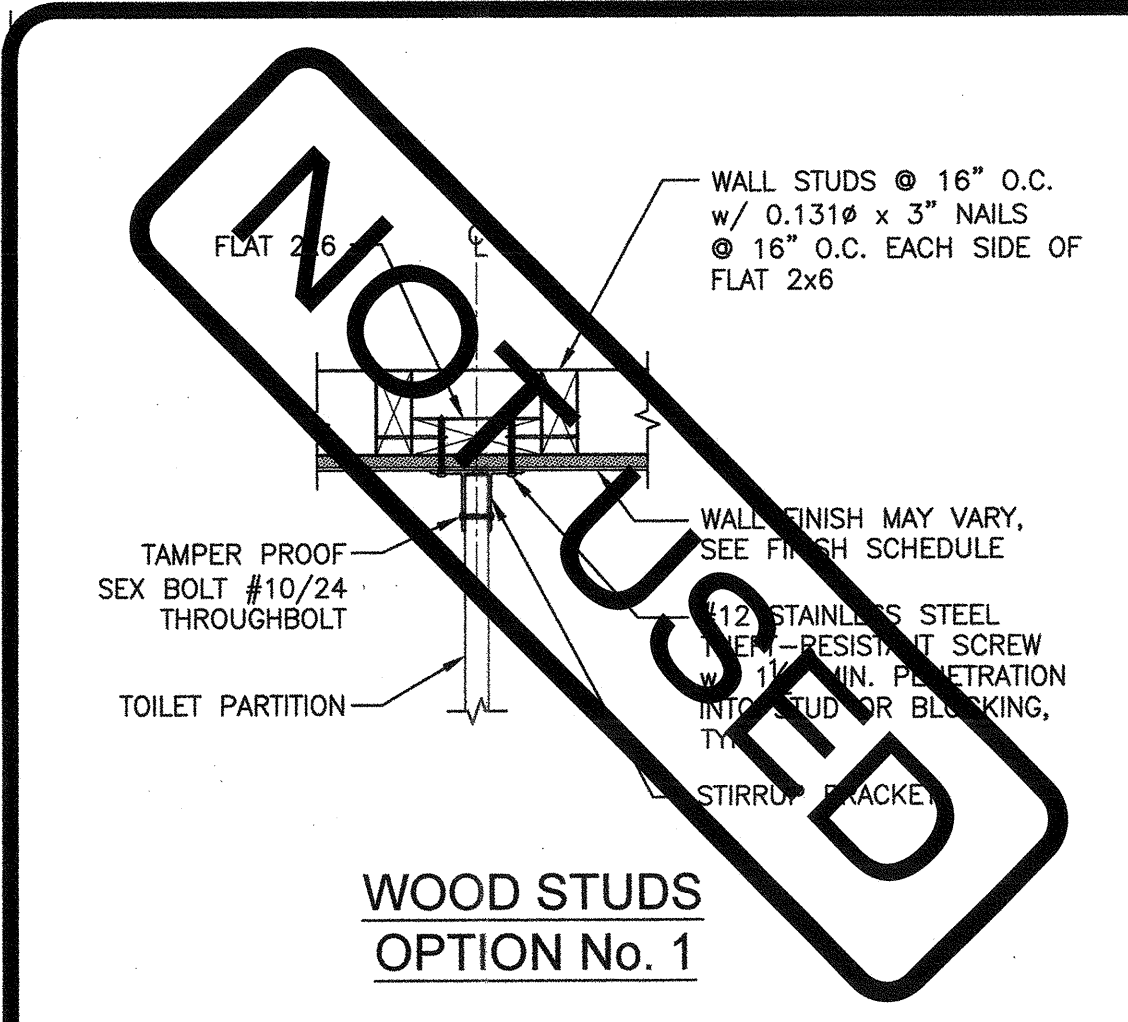
A7.0

MINIMUM PROPERTIES

GAUGE	BASE STEEL THICKNESS (IN.)	E_t (IN ² /FT)	E_s (IN ² /FT)	E_c (IN ² /FT)	E_e (IN ² /FT)
22	0.0294	0.0415	0.0864	0.0415	0.0984

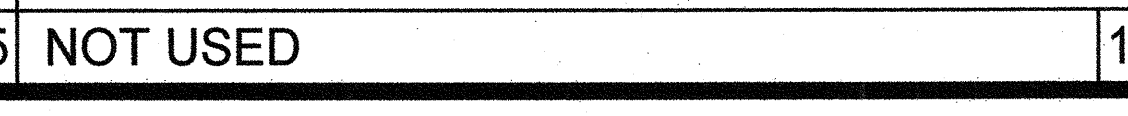
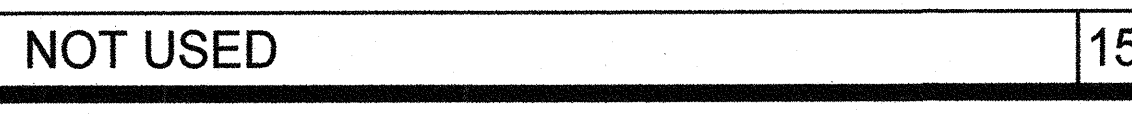
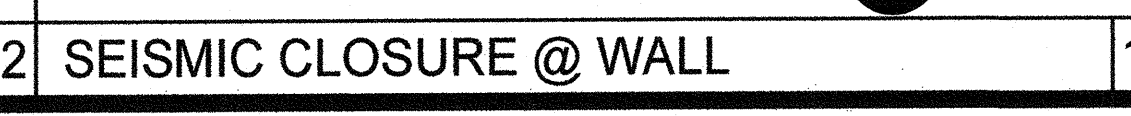
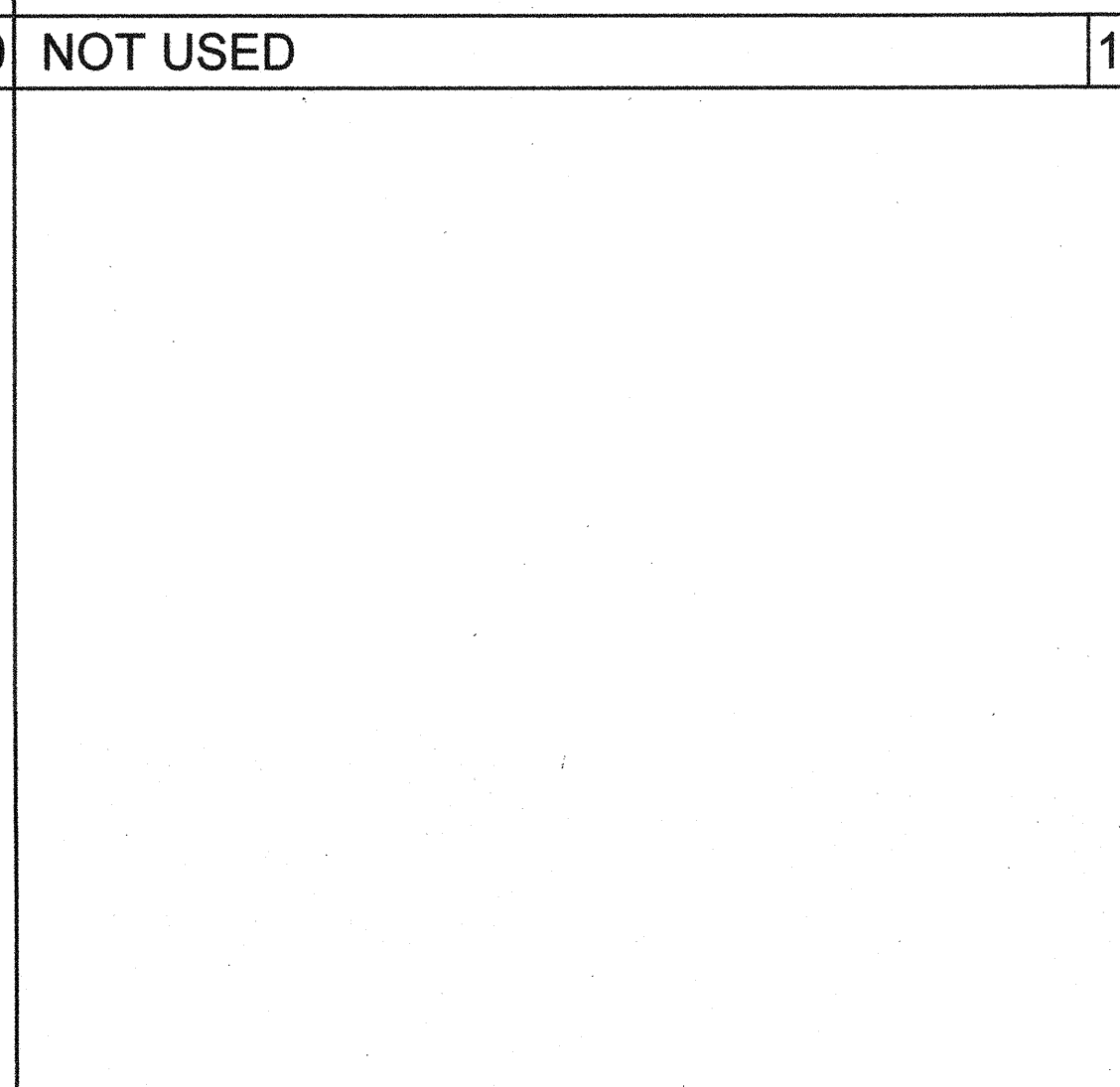
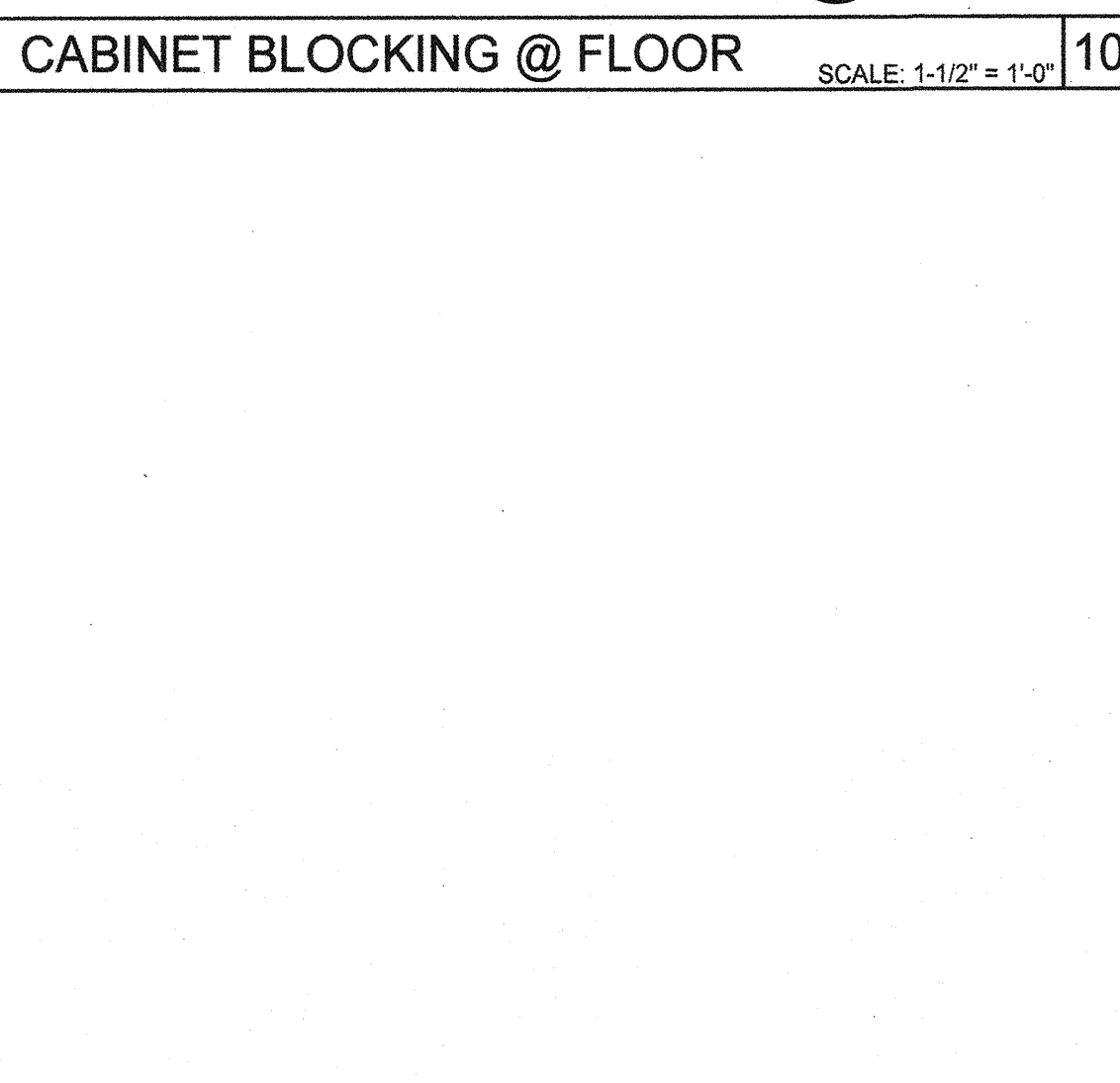
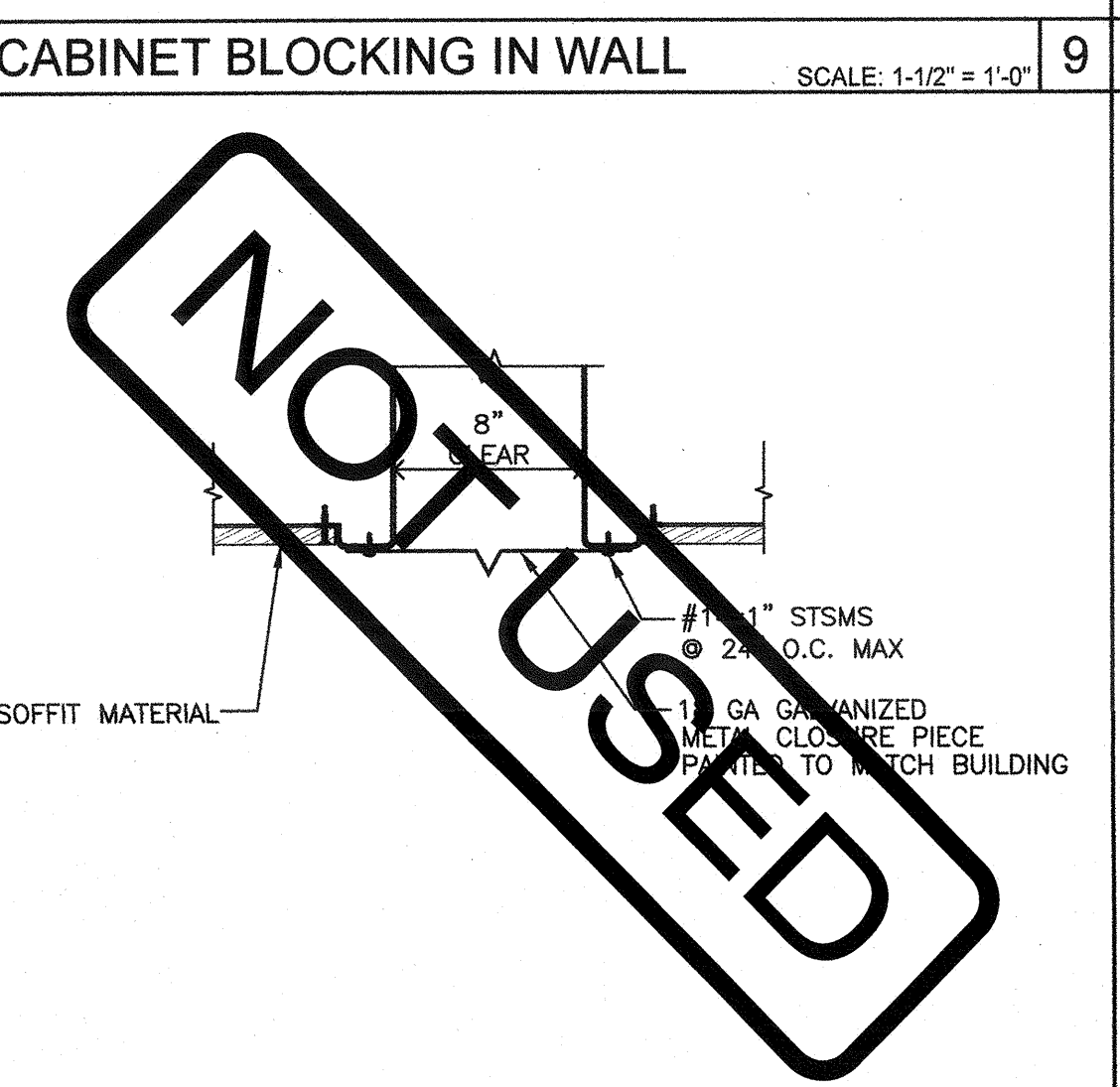
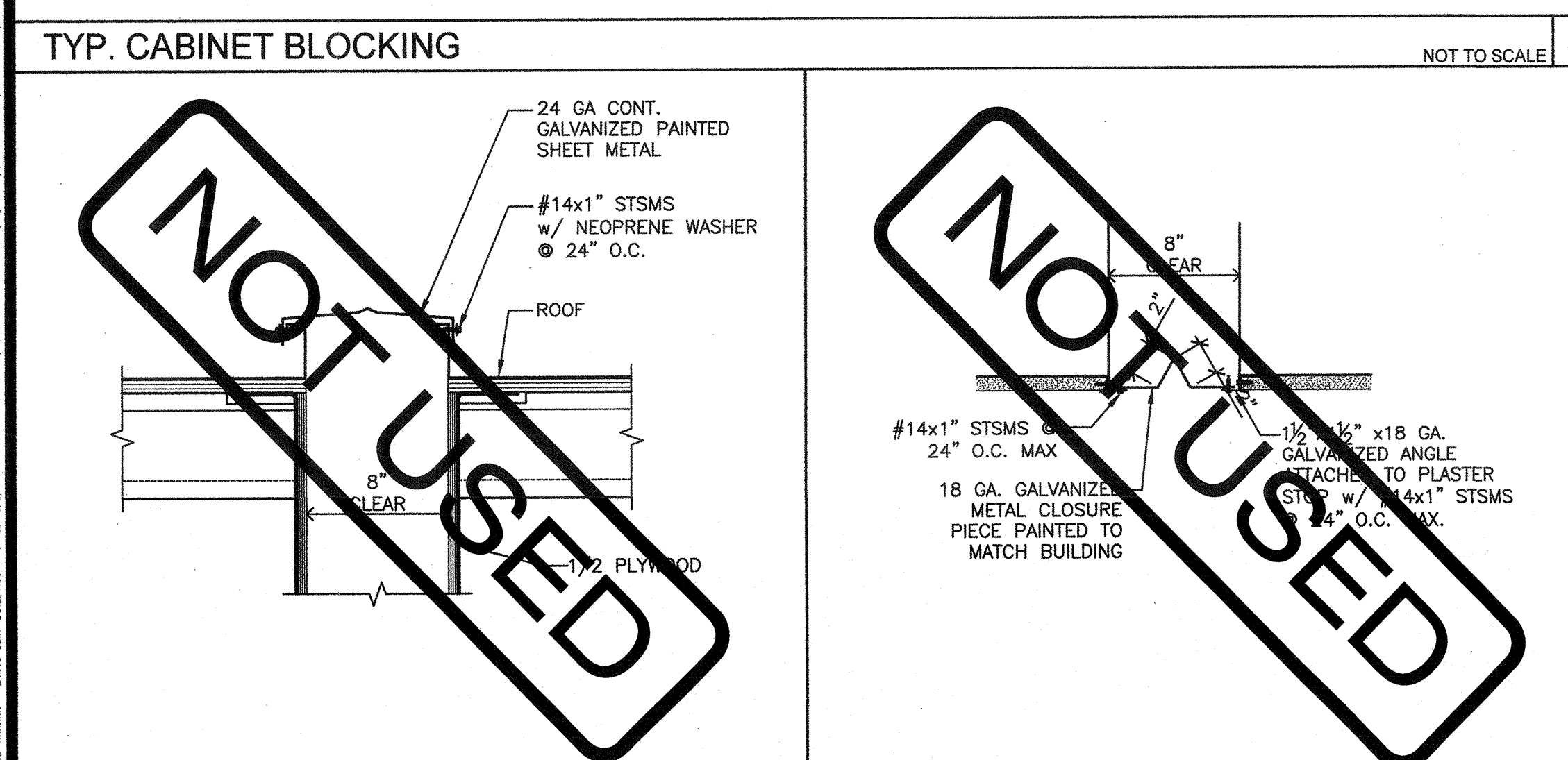
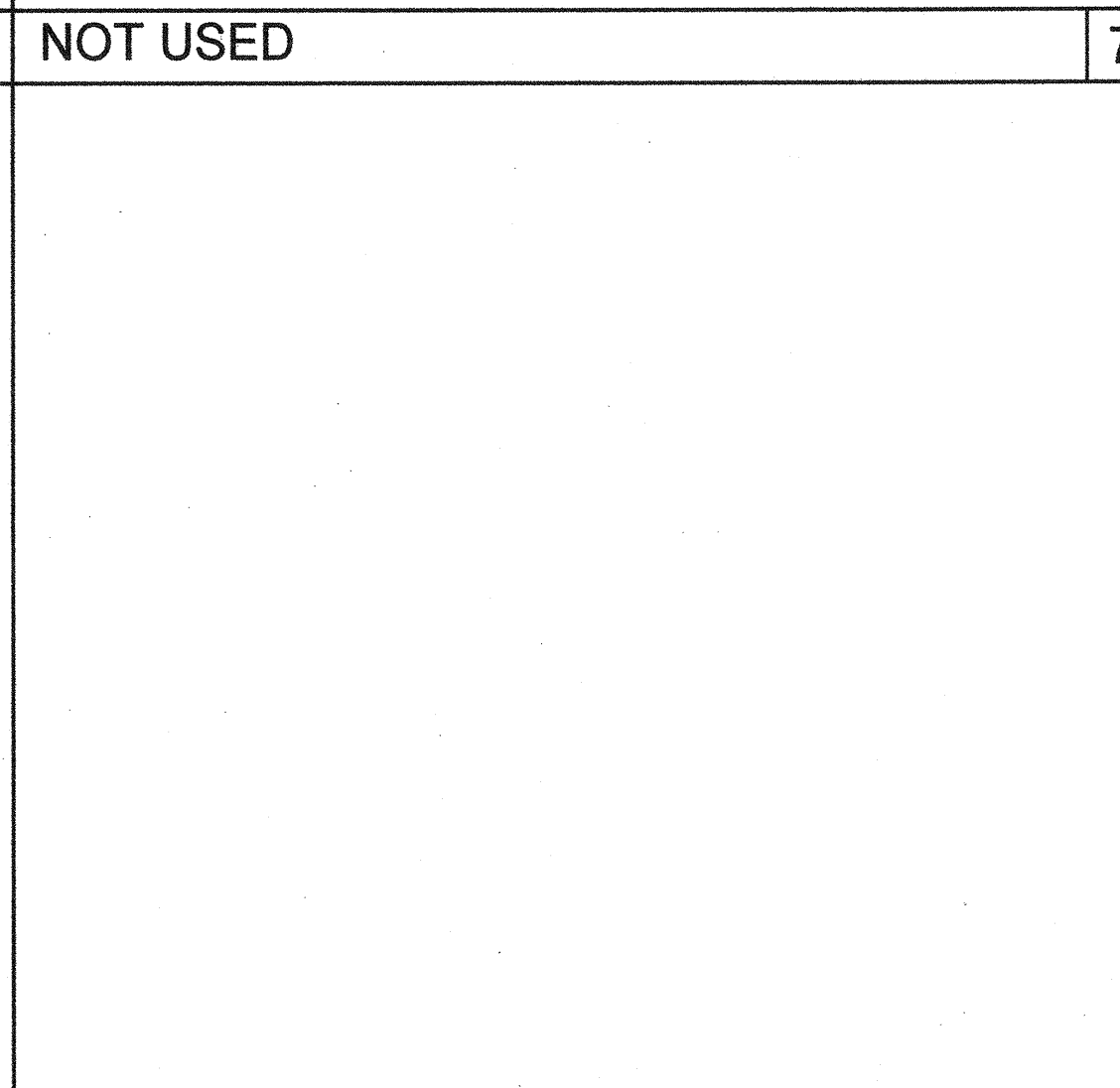
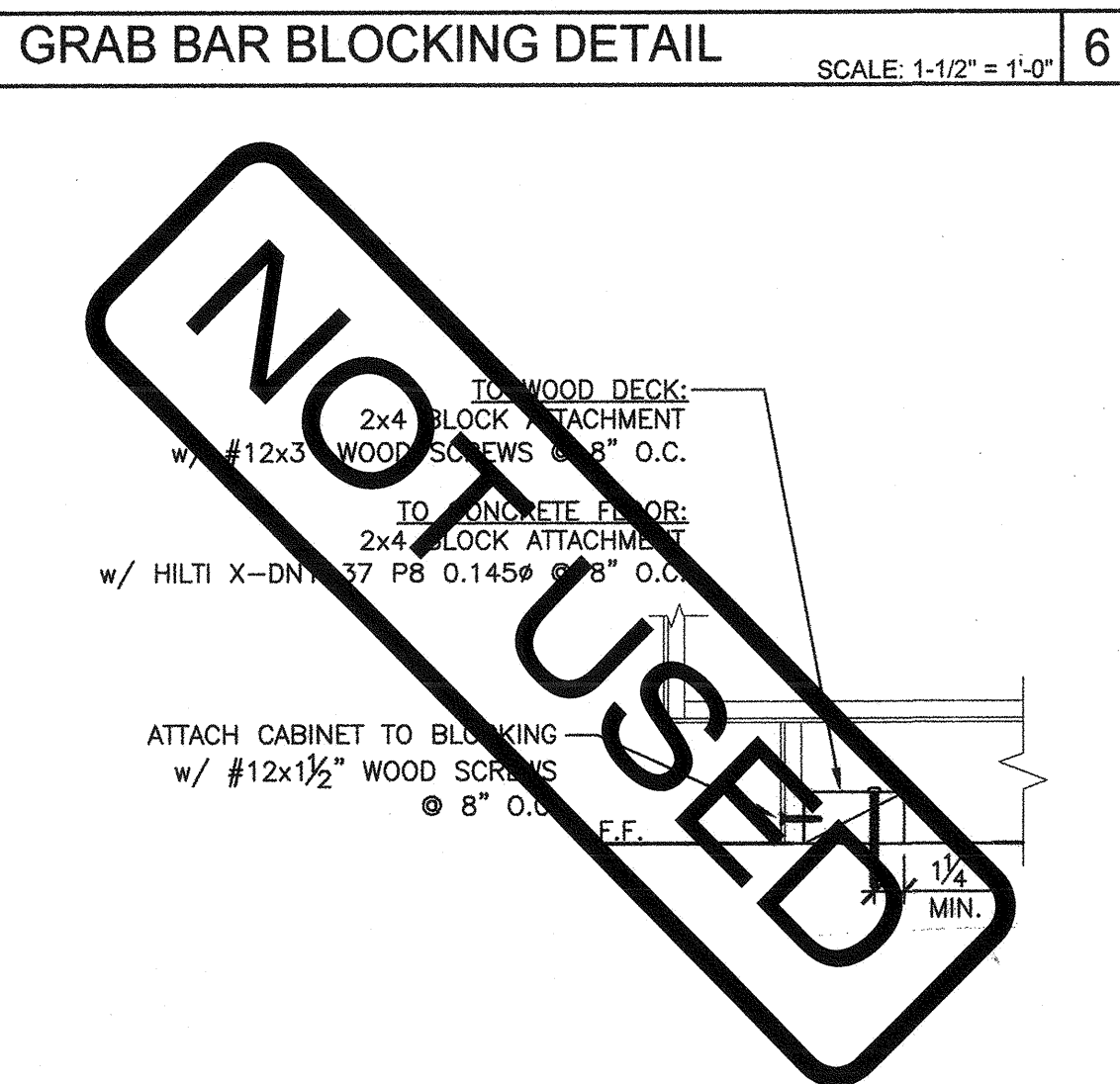
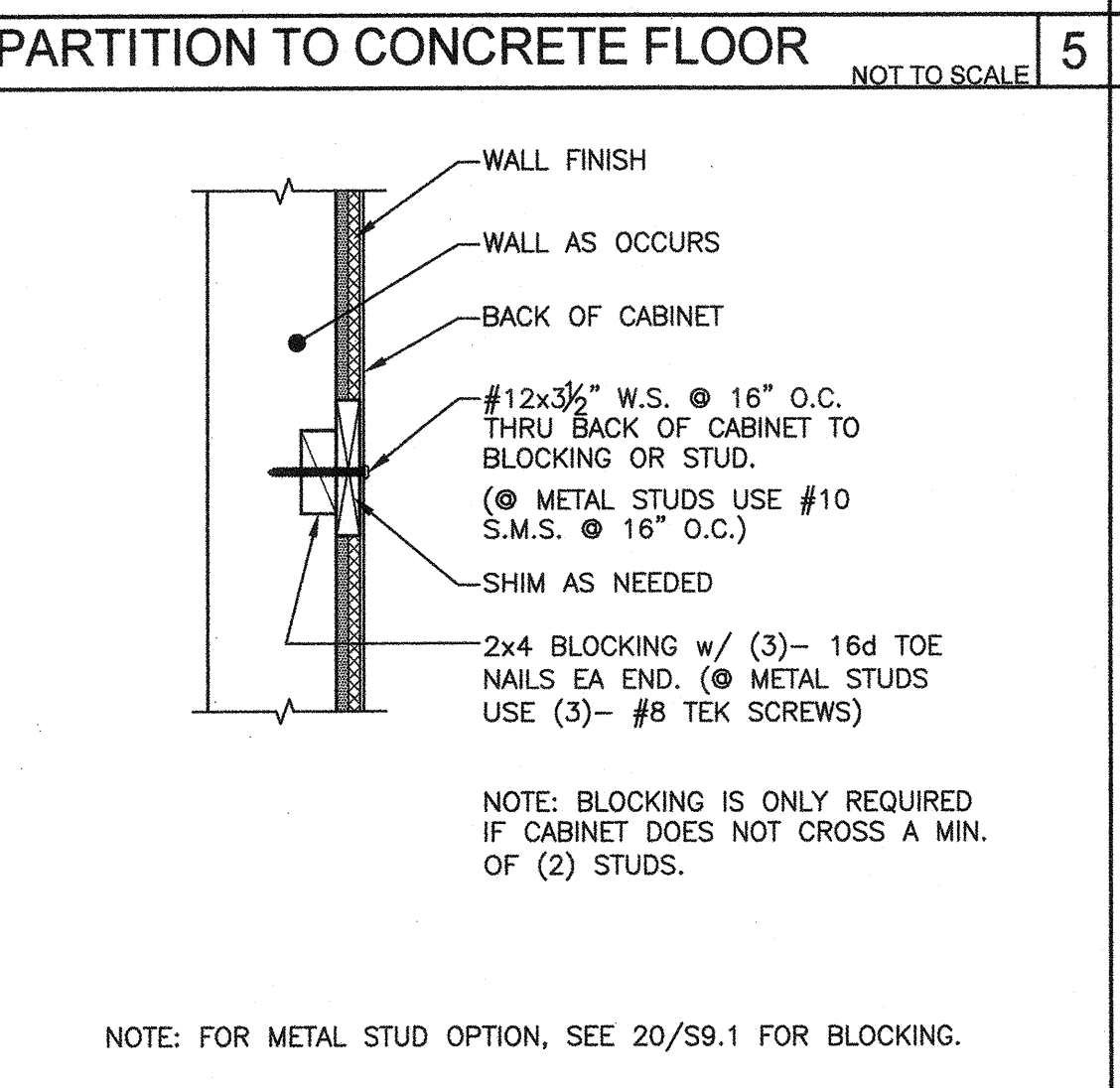
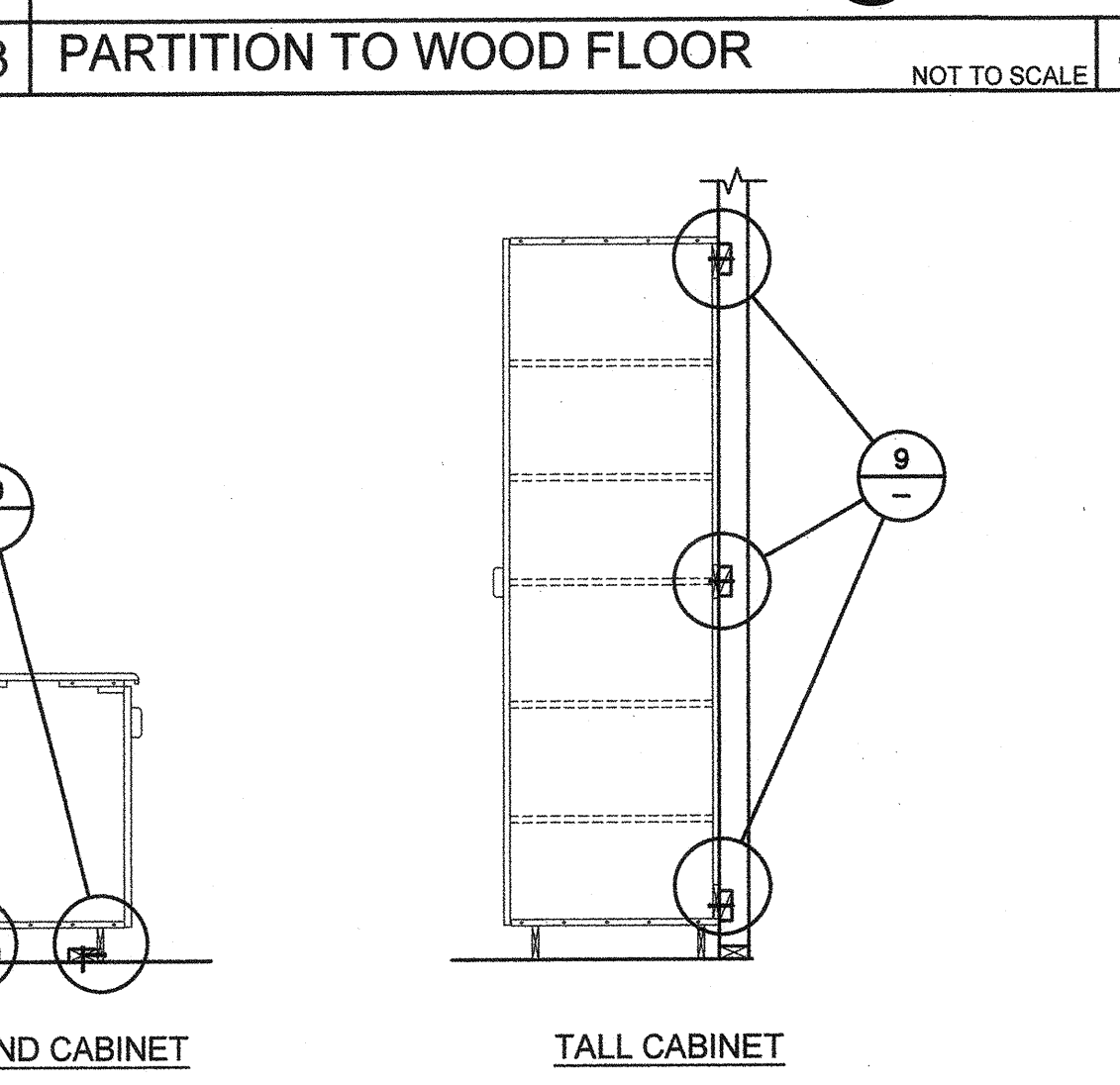
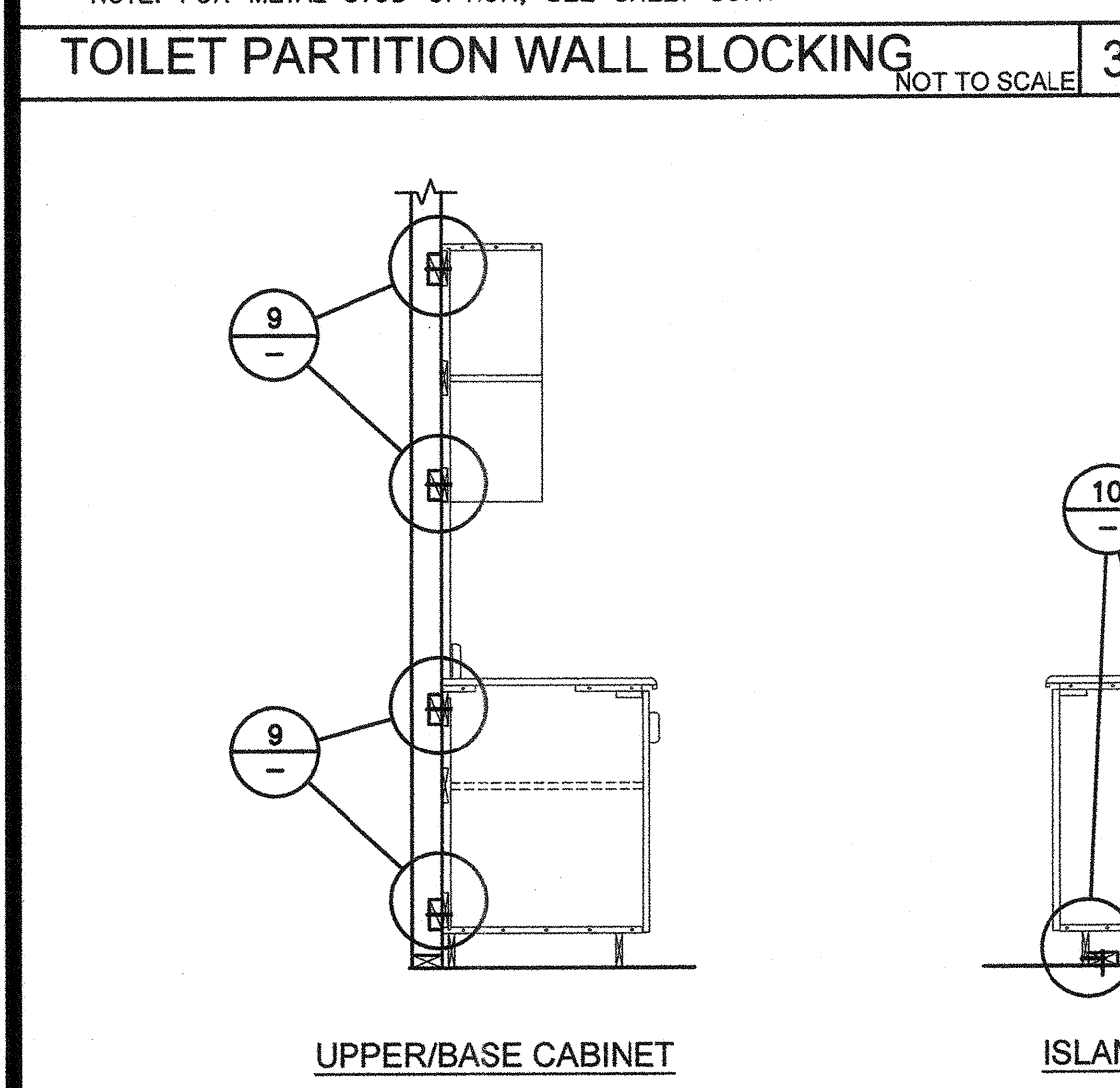
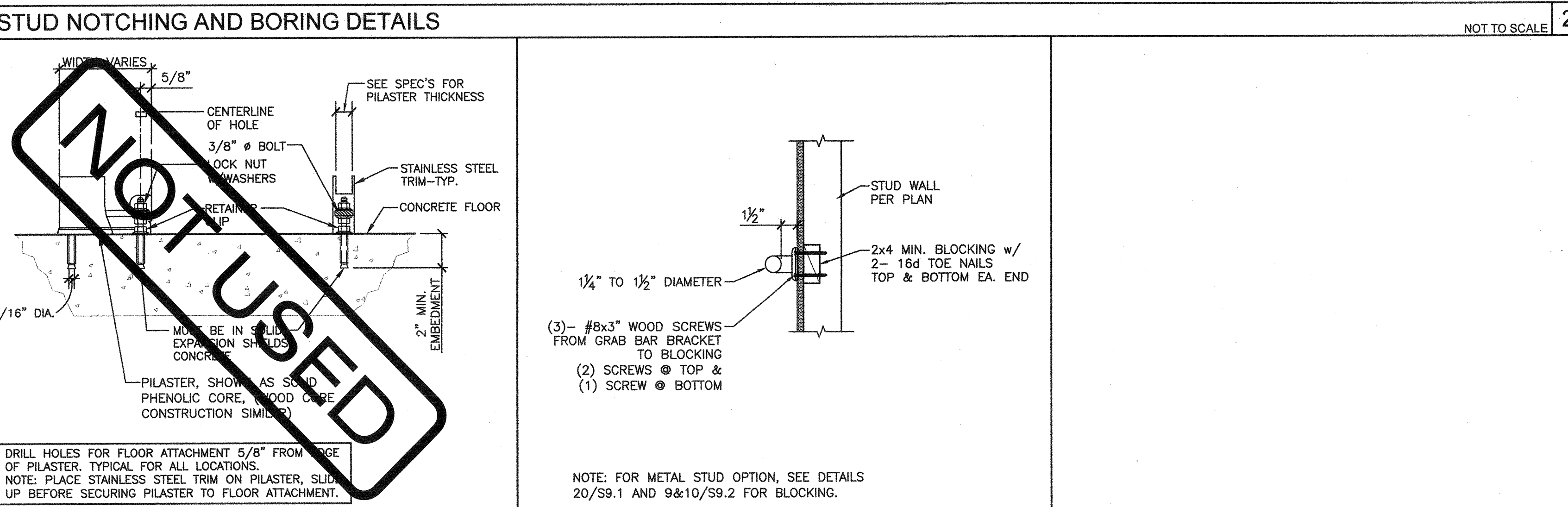
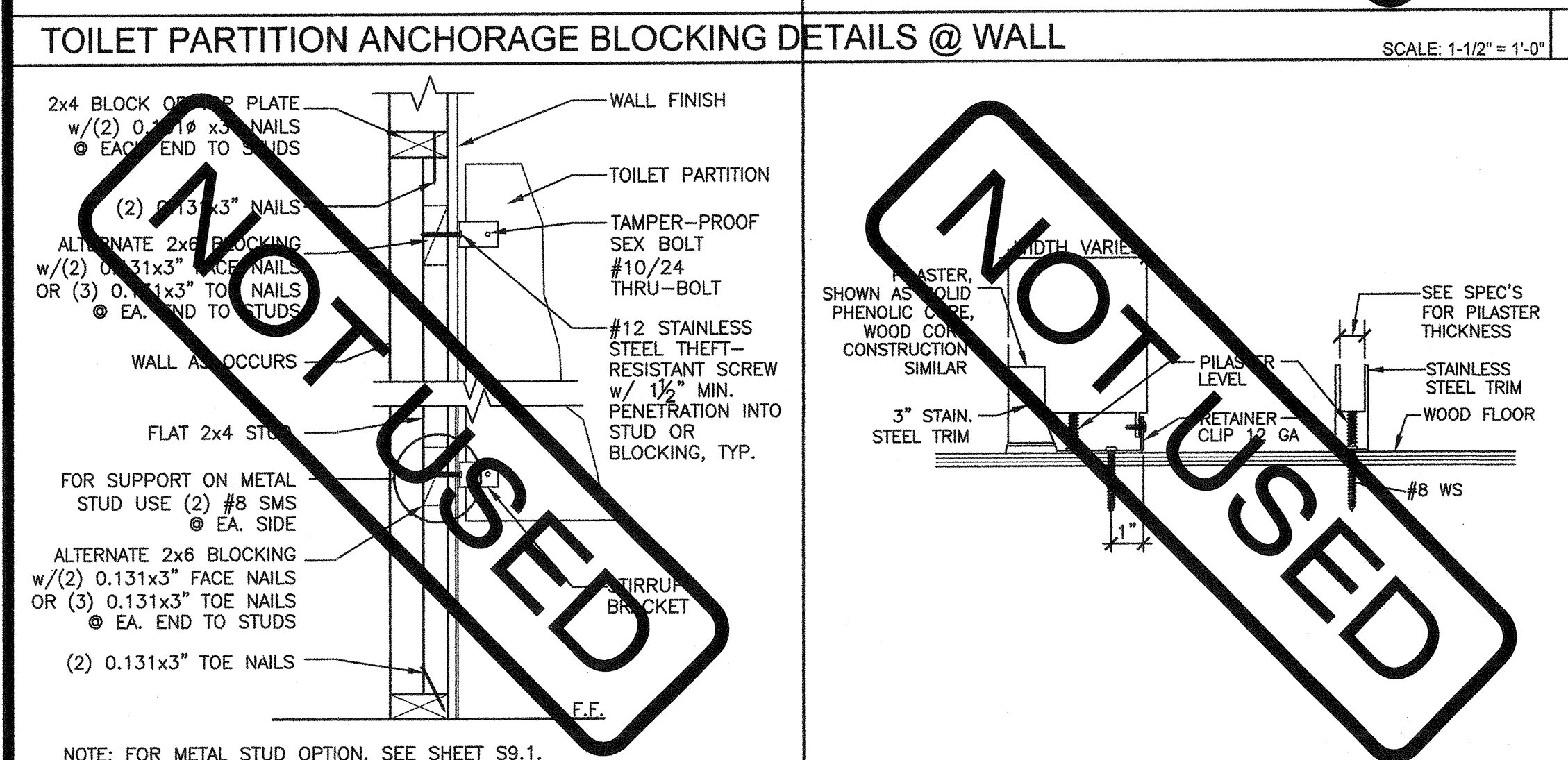
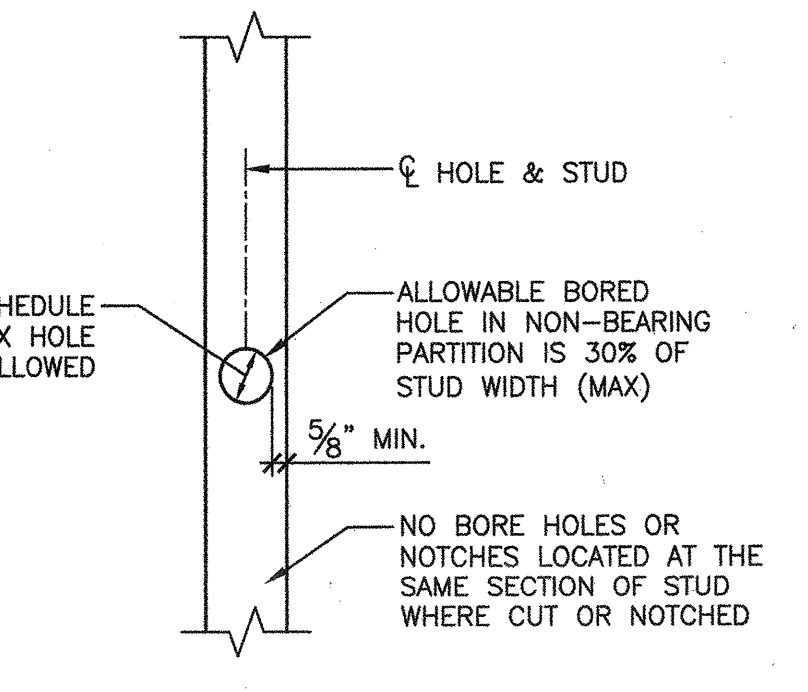
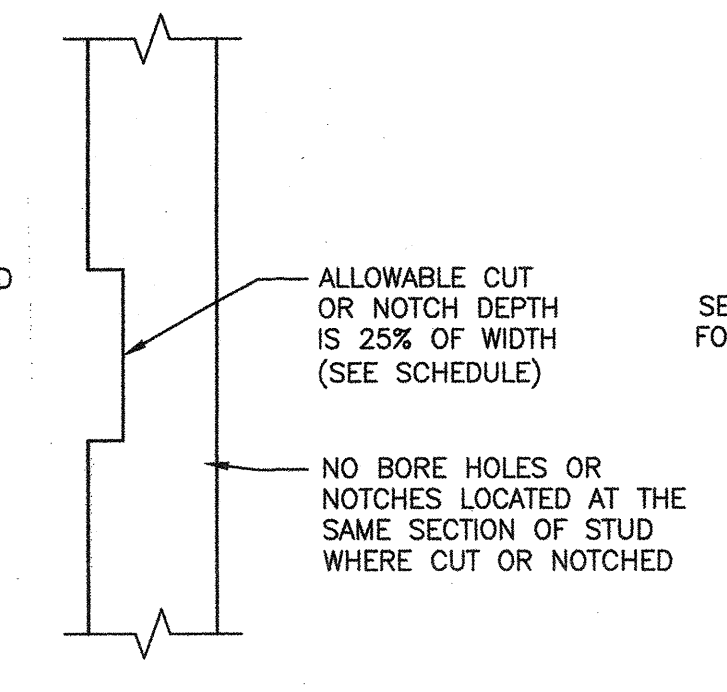
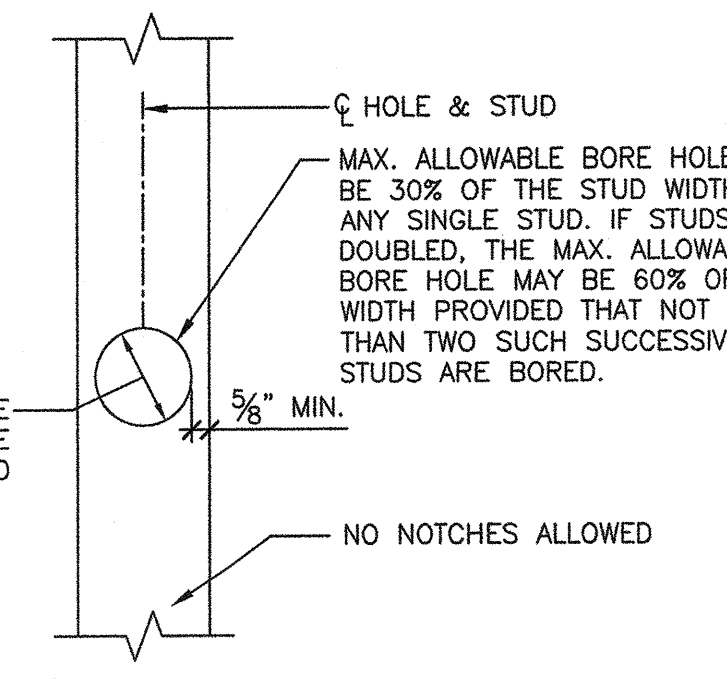
NOTE: AEP SPAN WALL SIDING: IAPMO UES ER #55

- NOTES:**
- FOR OPTIONAL METAL STUD FRAMING SEE 99-0-99-2.
 - ADDITIONAL R-5 RIGID INSULATION REQUIRED @ METAL STUD WALLS - SEE INSULATION SCHEDULE SHEET M1.7 AND DETAIL /A5.1.
 - THIN BRICK VENEER MAY NOT EXTEND MORE THAN 5'-0" ABOVE FINISHED FLOOR.
 - #8x1 1/2" SCREWS FOR CEMENT BOARD ATTACHMENT PER ICC REPORT ESR-1408.
 - VENEER UNITS SHALL NOT EXCEED 2 3/4" IN SPECIFIED THICKNESS, 36" IN ANY FACE DIMENSION, NO MORE THAN 5 SQ. FT. IN TOTAL FACE AREA, AND SHALL NOT WEIGH MORE THAN 15 PSF.



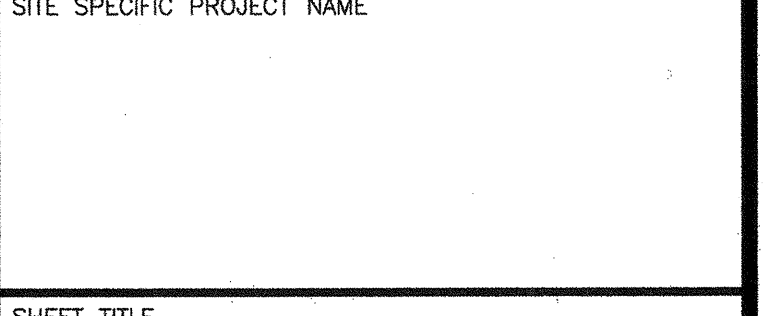
NOTCH & BORING SCHEDULE

SIZE	NOMINAL	ACTUAL	25%	30%	60%
2x4	4"	3 1/2"	7/8"	1"	2 1/8"
2x6	6"	5 1/2"	1 3/8"	1 5/8"	3 1/4"
2x8	8"	7 1/2"	1 13/16"	2"	3 1/8"



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PRE-CHECKED SET NAME
30'x32' THRU 150'x32' BUILDINGS



SITE SPECIFIC PROJECT NAME
 SHEET TITLE
MISCELLANEOUS ARCHITECTURAL DETAILS



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 APP03 119722
 AC FLS SS
 DATE FEB 05 2019

ORIGINAL PC STATE AGENCY APPROVAL
 IDENTIFICATION STAMP
 DIV. OF THE STATE ARCHITECT
 PC 02-116071
 AC FLS SS
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PRE-CHECK (PC) DOCUMENT
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REVISIONS
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PRE-CHECKED SET NAME
30'x32' THRU 150'x32' BUILDINGS
Gen7
healthy schools. delivered.

SITE SPECIFIC PROJECT NAME

SHEET TITLE
LIGHT GAUGE STEEL MEMBER PROPERTIES

MANUFACTURER PROFESSIONAL OF RECORD ON PC
PAUL PATRICK ARCHITECT
No. 22833
Exp. 3-31-16
STATE OF CALIFORNIA

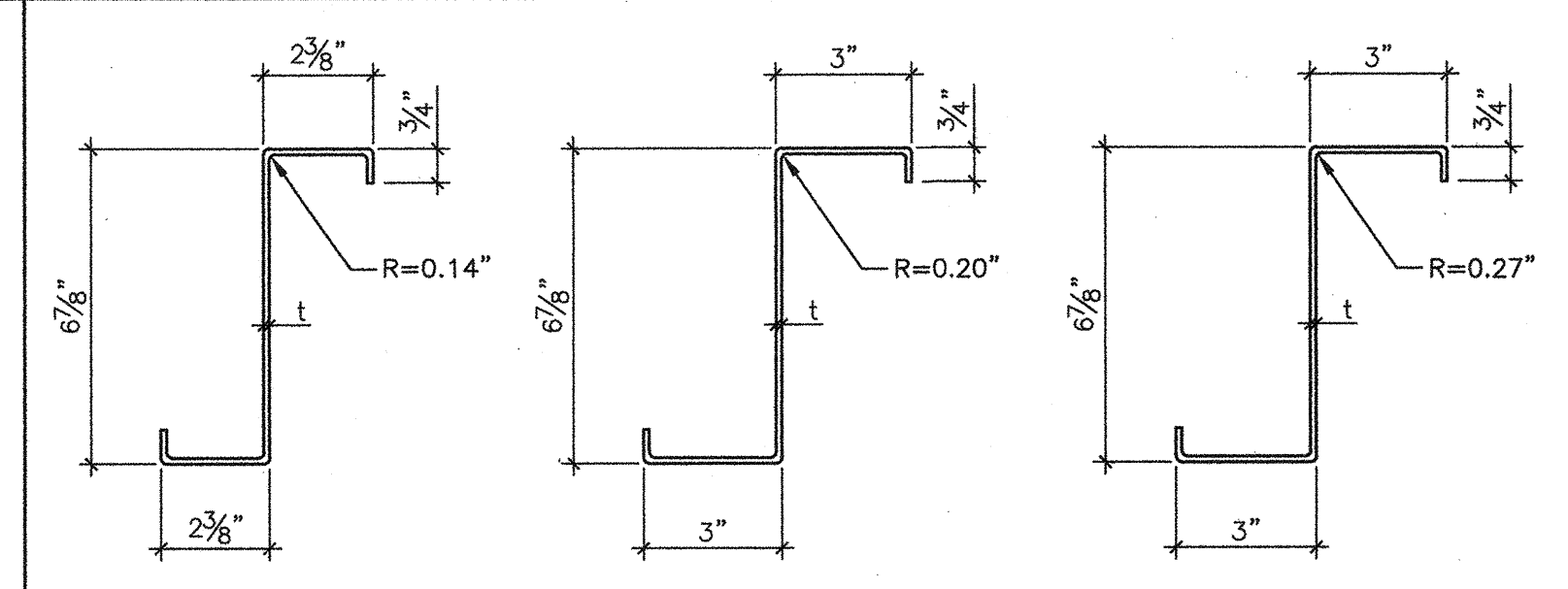
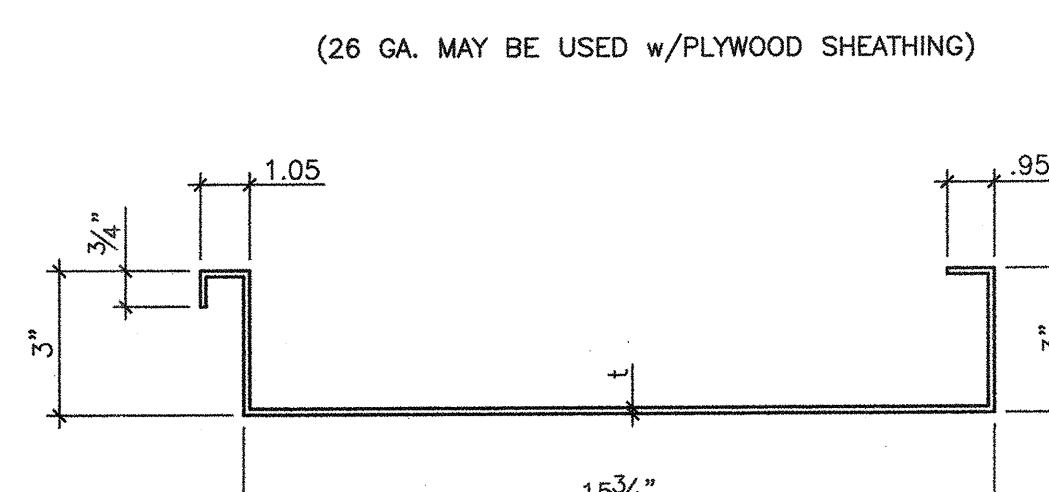
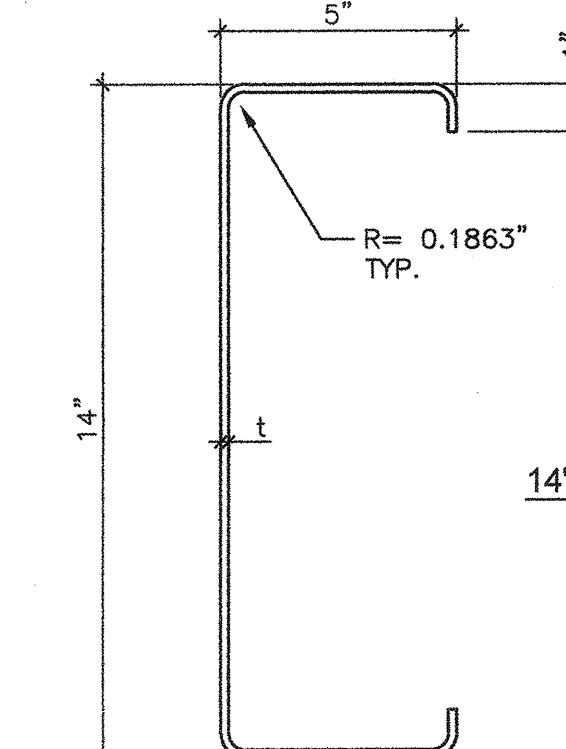
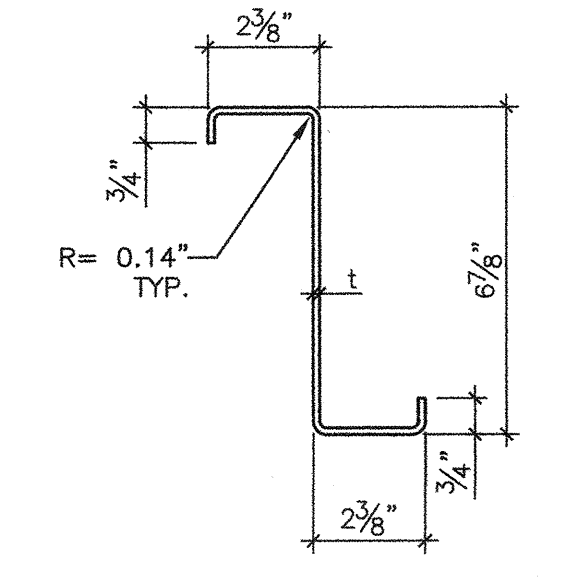
ROBERT J. HANMER
REGISTERED PROFESSIONAL ENGINEER
No. 5322
Exp. 12-31-16
STATE OF CALIFORNIA

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AC: FLS SS 24
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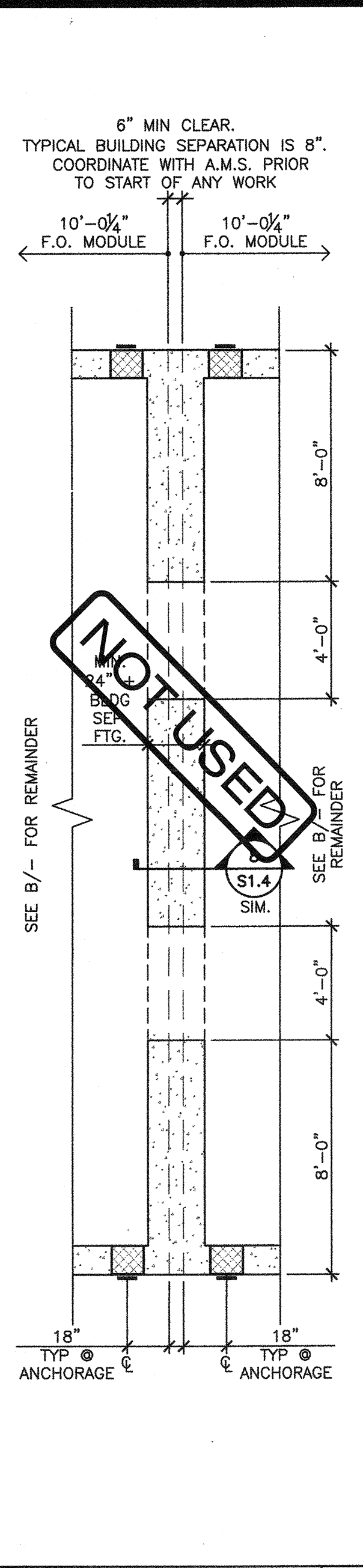
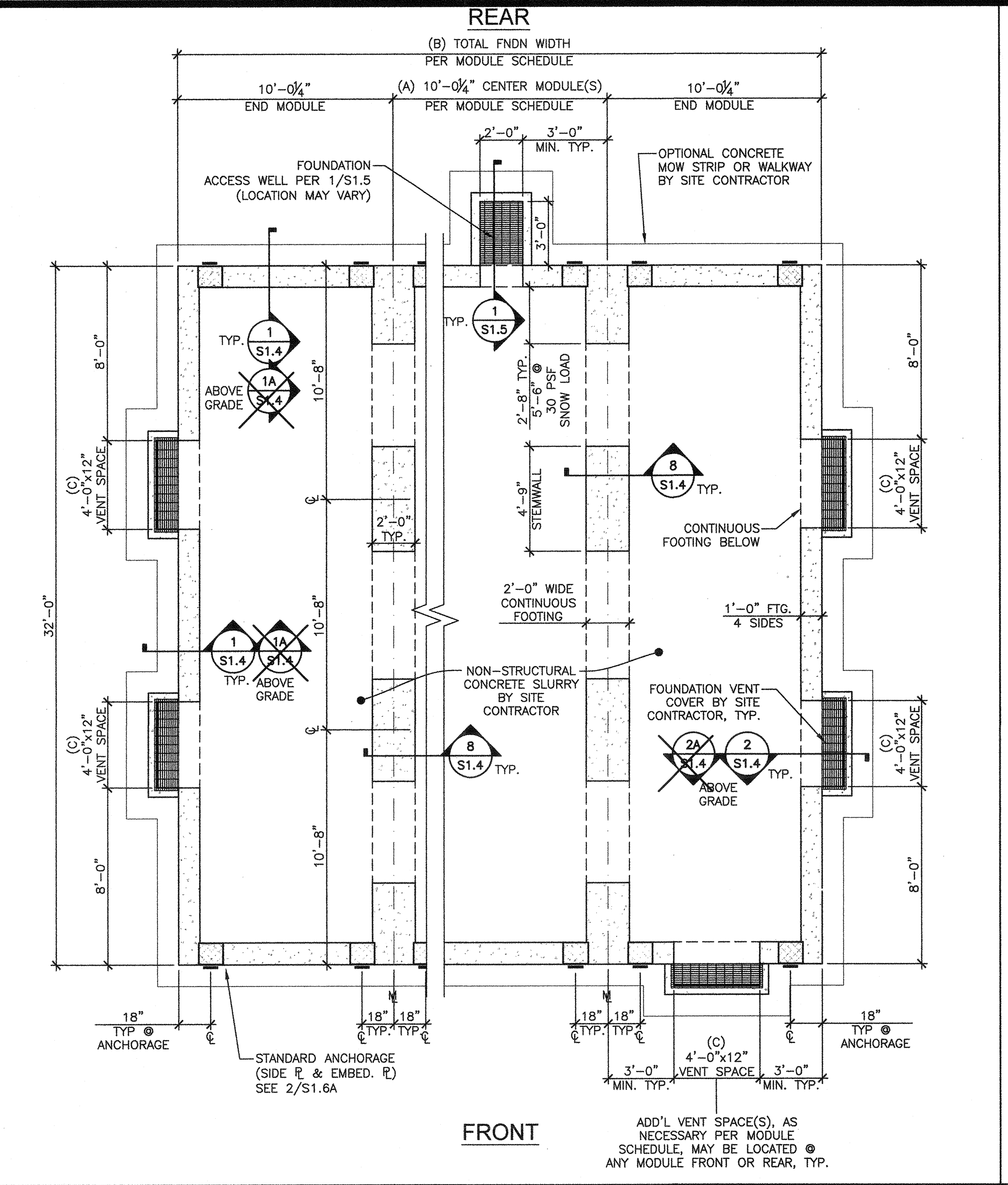
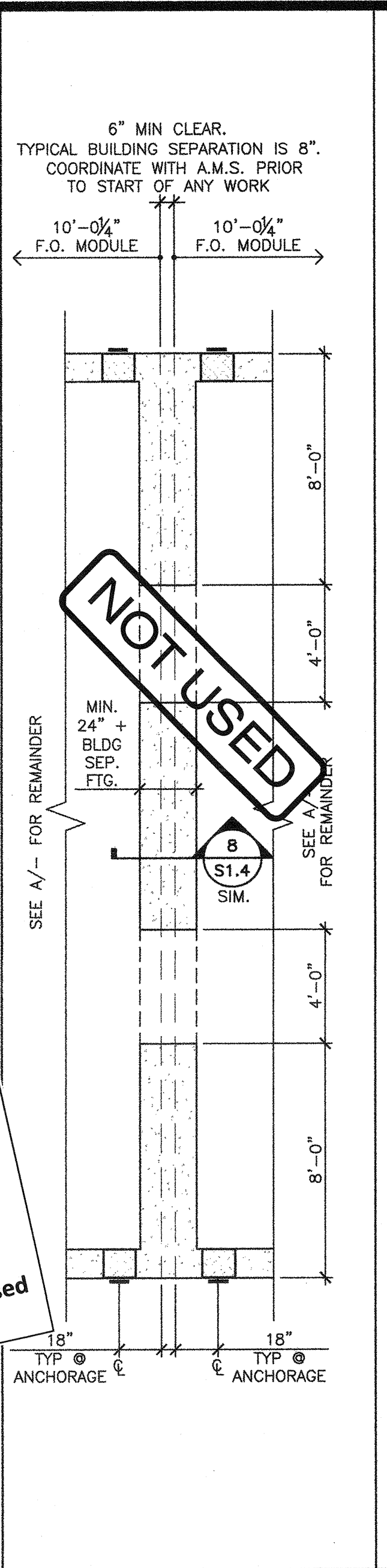
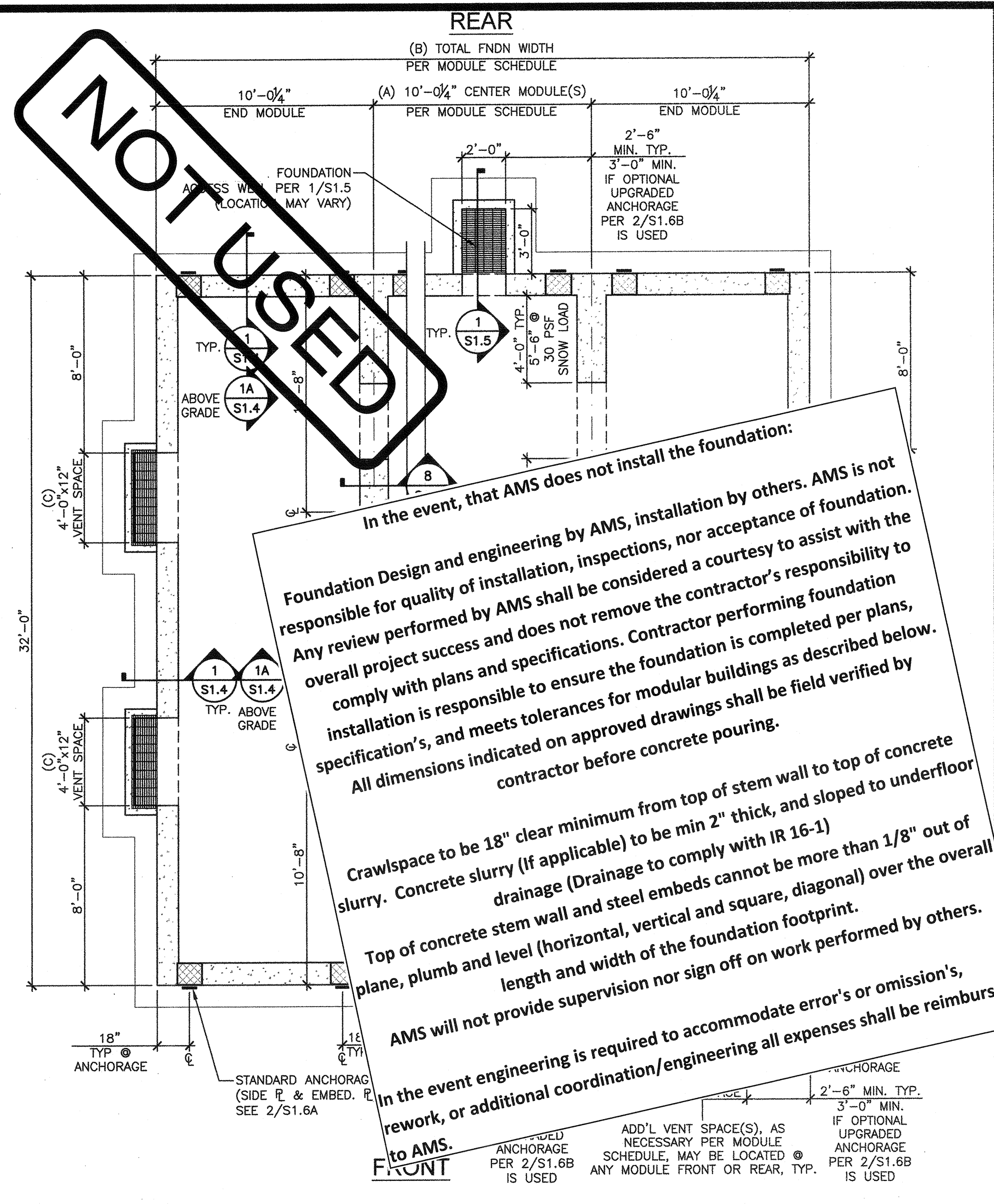
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PC 02-116071
AC: FLS SS 24
DATE: 7 12 12
PRE-CHECK (PC) DOCUMENT
CODE: 2016 CBC
A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRED.

REVISIONS
DRAWN BY:
SCALE: AS NOTED
DATE:
SHEET NUMBER

S0.0

				 <p>6-7/8" x 2-3/8" x 14 GA. FLOOR JOIST ASTM A1011 GRADE 45 F_y = 45 KSI A = 0.89 IN² S_x = 1.85 IN³ I_x = 6.37 IN⁴ t = 0.068 IN. MIN. (0.0713 IN DESIGN)</p> <p>6-7/8" x 3" x 12 GA. FLOOR JOIST ASTM A1011 GRADE 45 F_y = 45 KSI A = 1.38 IN² S_x = 2.97 IN³ I_x = 10.20 IN⁴ t = 0.097 IN. MIN. (0.1017 IN DESIGN)</p> <p>6-7/8" x 3" x 10 GA. FLOOR JOIST ASTM A1011 GRADE 45 F_y = 45 KSI A = 1.65 IN² S_x = 3.51 IN³ I_x = 12.07 IN⁴ t = 0.118 IN. MIN. (0.1242 IN DESIGN)</p>	5		
NOT USED	1	NOT USED	2	NOT USED	3	LIGHT GAUGE FLOOR JOIST PROPERTIES	
		 <p>(26 GA. MAY BE USED w/PLYWOOD SHEATHING)</p> <p>ASTM = A1011 GRADE = 36 F_y = 36 KSI</p> <p>w/ GALVANIZATION t = 0.0356 IN. MIN.</p> <p>w/o GALVANIZATION t = 0.0329 IN. MIN. (0.035 IN DESIGN)</p> <p>S_x(l) = 0.364 IN³ S_x(b) = 1.372 IN³ I_x = 0.863 IN⁴</p> <p>S_x(l) = 0.330 IN³ S_x(b) = 0.305 IN³ I_x = 0.476 IN⁴ A = 0.840 IN²</p>		 <p>14" x 5" x 10 GA. ROOF BEAM ASTM A1011 GRADE 50 F_y = 50 KSI A = 3.11 IN² S_x = 13.31 IN³ I_x = 93.2 IN⁴ t = 0.118 IN⁴ (0.1242 IN DESIGN)</p>		 <p>6-7/8" x 2-3/8" x 14 GA. ROOF PURLIN ASTM A1011 GRADE 36 F_y = 36 KSI A = 0.89 IN² S_x = 1.85 IN³ I_x = 6.37 IN⁴ t = 0.068 IN. MIN. (0.0713 IN DESIGN)</p>	
20 GA. ROOF PAN PROPERTIES		7 ALTERNATE 10 GA ROOF BEAM PROPERTIES		8 LIGHT GAUGE ROOF PURLIN PROPERTIES		9 NOT USED	10
NOT USED	11	NOT USED	12	NOT USED	13	NOT USED	14
NOT USED	16	NOT USED	17	NOT USED	18	NOT USED	19
							SHEET NOTES

- THE MATERIAL THICKNESS OF LIGHT GAUGE STRUCTURAL MEMBERS, IN THEIR END-USE, SHALL MEET OR EXCEED THE MINIMUM BASE METAL THICKNESS SPECIFIED ON SHEET S0.0 THE MATERIAL GAGE DESIGNATION IN THE PLAN SHALL BE USED AS REFERENCE ONLY.
- UNLESS NOTED OTHERWISE, ALL SECTION PROPERTIES ARE GROSS SECTION PROPERTIES.
- LIGHT GAUGE STRUCTURAL MEMBERS TO BE FABRICATED FROM HOT ROLLED SHEETS WITH RUST INHIBITIVE COATING. SEE SHEET N2.0, "LIGHT GAUGE METAL STUDS & COLD FORMED STEEL", FOR ADDITIONAL INFORMATION.



NOT USED

In the event, that AMS does not install the foundation:
 Foundation Design and engineering by AMS, installation by others. AMS is not responsible for quality of installation, inspections, nor acceptance of foundation. Any review performed by AMS shall be considered a courtesy to assist with the overall project success and does not remove the contractor's responsibility to comply with plans and specifications. Contractor performing foundation installation is responsible to ensure the foundation is completed per plans, specification's, and meets tolerances for modular buildings as described below. All dimensions indicated on approved drawings shall be field verified by contractor before concrete pouring.

Crawlspace to be 18" clear minimum from top of stem wall to top of concrete slurry. Concrete slurry (if applicable) to be min 2" thick, and sloped to underfloor drainage (Drainage to comply with IR 16-1)
 Top of concrete stem wall and steel embeds cannot be more than 1/8" out of plane, plumb and level (horizontal, vertical and square, diagonal) over the overall length and width of the foundation footprint.
 AMS will not provide supervision nor sign off on work performed by others.
 In the event engineering is required to accommodate error's or omission's, rework, or additional coordination/engineering all expenses shall be reimbursed to AMS.

CONCRETE FOUNDATION PLAN (PLYWOOD FLOOR)
 50 PSF LIVE LOAD + 15 PSF PARTITION LOAD

- DO NOT INSTALL BUILDING IN AREAS OF WATER FLOW LINES.
- CONCRETE MIXTURES:
 - ULTIMATE 28-DAY CONCRETE COMPRESSIVE STRENGTH (f_c) SHALL BE 3500 PSI MIN. EXCEPT VENTS & ACCESS WELLS MAY BE 3,000 PSI MIN.
 - PROPORTIONING OF CONCRETE MIXTURES SHALL BE IN ACCORDANCE WITH ACI 318-14, SECTION 26.4.3.
 - DOCUMENTATION OF CONCRETE MIXTURE CHARACTERISTICS SHALL BE IN ACCORDANCE WITH ACI 318-14, SECTION 26.4.4.
 - CEMENT SHALL BE CERTIFIED PER TITLE 24, PART 2, SECTION 1910A.1.
- BUILDINGS MUST BE SET ON CONCRETE FOUNDATIONS THAT HAVE REACHED A MINIMUM CONCRETE COMPRESSIVE STRENGTH OF 70% OF THE SPECIFIED DESIGN STRENGTH (f_c) STATED ABOVE IN NOTE #2. PRIOR TO THE SETTING OF THE MODULAR BUILDING ON CONCRETE FOUNDATIONS THAT HAVE NOT YET CURED 28 DAYS POST PLACEMENT OF FOUNDATION CONCRETE, THE FOUNDATION CONTRACTOR SHALL:
 - HAVE THE PROJECT TESTING LAB PERFORM A CONCRETE CYLINDER COMPRESSION TEST OF THE FOUNDATION CONCRETE USED AT THE SITE.
 - FURNISH THE IOR AND THE REGISTERED DESIGN PROFESSIONAL IN RESPONSIBLE CHARGE WITH THE CONCRETE TEST REPORT VERIFYING THAT THE FOUNDATION CONCRETE HAS REACHED THE MINIMUM STRENGTH AS SPECIFIED ABOVE, AND
 - NOTIFY THE PROJECT IOR AND THE REGISTERED DESIGN PROFESSIONAL IN RESPONSIBLE CHARGE OF THEIR INTENT TO SET THE MODULAR BUILDING PRIOR TO 28 DAYS POST PLACEMENT OF FOUNDATION CONCRETE.
- THE REINFORCING BARS MUST BE TESTED PER TITLE 24, PART 2, SECTION 1910A.2. TEST OF REINFORCING BARS MAY BE WAIVED BY THE REGISTERED DESIGN PROFESSIONAL IN RESPONSIBLE CHARGE WITH THE APPROVAL OF DSA FOR A ONE-STORY BUILDING, PROVIDED CERTIFIED MILL TEST REPORTS ARE PROVIDED FOR EACH SHIPMENT OF SUCH REINFORCEMENT.
- REINFORCING STEEL SHALL BE 60,000 PSI MINIMUM, PER ASTM A615.
- DESIGN SOIL BEARING CAPACITY: 1500 PSF. (1/3 INCREASE IN SOIL BEARING CAPACITY NOT PERMITTED UNLESS USING ALTERNATIVE BASIC LOAD COMBINATIONS PER CBC SECTION 1605A.3.2)
- THE PROJECT ARCHITECT SHALL VERIFY THE NET AREA OF THE UNDER-FLOOR VENTING IS EQUAL TO OR LARGER THAN THE VENT AREA REQUIRED (AS SHOWN ON THE ADJACENT TABLE).

FOUNDATION PLAN COMBINED
 SCALE: 1/4"=1'-0"

NOMINAL BLDG SIZE (FT)	TOTAL # OF 10' WIDE MODULES	*# OF CENTER MODULES	*# OF END MODULES	TOTAL FNDR WIDTH	TOTAL NOMINAL FLOOR AREA (FT ²)	MIN. TOTAL # 4"x1" VENTS REQ'D ³	NET FREE VENT AREA REQ'D ³ (FT ²)	NET FREE VENT AREA PROVIDED ³ (FT ²)
30'x32'	3	1	1	30'-3/4"	960	3	6.4	8.8
40'x32'	4	2	2	40'-1"	1280	3	8.5	8.8
50'x32'	5	3	3	50'-1/4"	1600	4	10.7	11.7
60'x32'	6	4	4	60'-1/2"	1920	5	12.8	14.6
70'x32'	7	5	5	70'-3/4"	2240	6	14.9	17.5
80'x32'	8	6	6	80'-2"	2560	6	17.1	17.5
90'x32'	9	7	7	90'-2/4"	2880	7	19.2	20.4
100'x32'	10	8	8	100'-2/8"	3200	8	21.3	23.4
110'x32'	11	9	9	110'-2/4"	3520	9	23.5	26.3
120'x32'	12	10	10	120'-3"	3840	9	25.6	26.3
130'x32'	13	11	11	130'-3/4"	4160	10	27.7	29.2
140'x32'	14	12	12	140'-3/2"	4480	11	29.9	32.1
150'x32'	15	13	13	150'-3/4"	4800	11	32.0	32.1

NOTES:

- TOTAL FOUNDATION WIDTH INCLUDES 1/4" PER MODULE CONSTRUCTION TOLERANCE.
- UNLESS NOTED OTHERWISE, DIMENSIONS ARE FROM FACE OF CONCRETE TO FACE OF CONCRETE (F.O.C. TO F.O.C.)
- THE NUMBER OF VENTS REQUIRED IS BASED ON THE VENT NET FREE AREA (NFA) PROVIDED BEING GREATER OR EQUAL TO THE VENT NFA REQUIRED. VENT NFA REQUIRED IS BASED ON A 1:150 VENTILATION RATIO OF THE NOMINAL BUILDING FLOOR AREA. VENT NFA PROVIDED IS THE ACTUAL OPEN AREA WITH A VENT GROSS AREA REDUCTION PERCENTAGE OF 73% & NUMBER OF VENTS PROVIDED.

$NFA_{REQUIRED} = A_{FLOOR} / 150$
 $NFA_{PROVIDED} = A_{VENT,GROSS} \times 73\% \times (\# \text{ OF VENTS})$
 $NFA_{PROVIDED} = (12' \times 4') \times 0.73 \times (\# \text{ OF VENTS})$
 $NFA_{PROVIDED} = 2.92 \text{ FT}^2 \times (\# \text{ OF VENTS})$

CONCRETE FOUNDATION PLAN (CONCRETE FLOOR)
 50 PSF LIVE LOAD + 15 PSF PARTITION LOAD

- DO NOT INSTALL BUILDING IN AREAS OF WATER FLOW LINES.
- CONCRETE MIXTURES:
 - ULTIMATE 28-DAY CONCRETE COMPRESSIVE STRENGTH (f_c) SHALL BE 3500 PSI MIN. EXCEPT VENTS & ACCESS WELLS MAY BE 3,000 PSI MIN.
 - PROPORTIONING OF CONCRETE MIXTURES SHALL BE IN ACCORDANCE WITH ACI 318-14, SECTION 26.4.3.
 - DOCUMENTATION OF CONCRETE MIXTURE CHARACTERISTICS SHALL BE IN ACCORDANCE WITH ACI 318-14, SECTION 26.4.4.
 - CEMENT SHALL BE CERTIFIED PER TITLE 24, PART 2, SECTION 1910A.1.
- BUILDINGS MUST BE SET ON CONCRETE FOUNDATIONS THAT HAVE REACHED A MINIMUM CONCRETE COMPRESSIVE STRENGTH OF 70% OF THE SPECIFIED DESIGN STRENGTH (f_c) STATED ABOVE IN NOTE #2. PRIOR TO THE SETTING OF THE MODULAR BUILDING ON CONCRETE FOUNDATIONS THAT HAVE NOT YET CURED 28 DAYS POST PLACEMENT OF FOUNDATION CONCRETE, THE FOUNDATION CONTRACTOR SHALL:
 - HAVE THE PROJECT TESTING LAB PERFORM A CONCRETE CYLINDER COMPRESSION TEST OF THE FOUNDATION CONCRETE USED AT THE SITE.
 - FURNISH THE IOR AND THE REGISTERED DESIGN PROFESSIONAL IN RESPONSIBLE CHARGE WITH THE CONCRETE TEST REPORT VERIFYING THAT THE FOUNDATION CONCRETE HAS REACHED THE MINIMUM STRENGTH AS SPECIFIED ABOVE, AND
 - NOTIFY THE PROJECT IOR AND THE REGISTERED DESIGN PROFESSIONAL IN RESPONSIBLE CHARGE OF THEIR INTENT TO SET THE MODULAR BUILDING PRIOR TO 28 DAYS POST PLACEMENT OF FOUNDATION CONCRETE.
- THE REINFORCING BARS MUST BE TESTED PER TITLE 24, PART 2, SECTION 1910A.2. TEST OF REINFORCING BARS MAY BE WAIVED BY THE REGISTERED DESIGN PROFESSIONAL IN RESPONSIBLE CHARGE WITH THE APPROVAL OF DSA FOR A ONE-STORY BUILDING, PROVIDED CERTIFIED MILL TEST REPORTS ARE PROVIDED FOR EACH SHIPMENT OF SUCH REINFORCEMENT.
- REINFORCING STEEL SHALL BE 60,000 PSI MINIMUM, PER ASTM A615.
- DESIGN SOIL BEARING CAPACITY: 1500 PSF. (1/3 INCREASE IN SOIL BEARING CAPACITY NOT PERMITTED UNLESS USING ALTERNATIVE BASIC LOAD COMBINATIONS PER CBC SECTION 1605A.3.2)
- THE PROJECT ARCHITECT SHALL VERIFY THE NET AREA OF THE UNDER-FLOOR VENTING IS EQUAL TO OR LARGER THAN THE VENT AREA REQUIRED (AS SHOWN ON THE ADJACENT TABLE).

FOUNDATION PLAN COMBINED
 SCALE: 1/4"=1'-0"

NOMINAL BLDG SIZE (FT)	TOTAL # OF 10' WIDE MODULES	*# OF CENTER MODULES	*# OF END MODULES	TOTAL FNDR WIDTH	TOTAL NOMINAL FLOOR AREA (FT ²)	MIN. TOTAL # 4"x1" VENTS REQ'D ³	NET FREE VENT AREA REQ'D ³ (FT ²)	NET FREE VENT AREA PROVIDED ³ (FT ²)
30'x32'	3	1	1	30'-3/4"	960	3	6.4	8.8
40'x32'	4	2	2	40'-1"	1280	3	8.5	8.8
50'x32'	5	3	3	50'-1/4"	1600	4	10.7	11.7
60'x32'	6	4	4	60'-1/2"	1920	5	12.8	14.6
70'x32'	7	5	5	70'-3/4"	2240	6	14.9	17.5
80'x32'	8	6	6	80'-2"	2560	6	17.1	17.5
90'x32'	9	7	7	90'-2/4"	2880	7	19.2	20.4
100'x32'	10	8	8	100'-2/8"	3200	8	21.3	23.4
110'x32'	11	9	9	110'-2/4"	3520	9	23.5	26.3
120'x32'	12	10	10	120'-3"	3840	9	25.6	26.3
130'x32'	13	11	11	130'-3/4"	4160	10	27.7	29.2
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150'x32'	15	13	13	150'-3/4"	4800	11	32.0	32.1

NOTES:

- TOTAL FOUNDATION WIDTH INCLUDES 1/4" PER MODULE CONSTRUCTION TOLERANCE.
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$NFA_{REQUIRED} = A_{FLOOR} / 150$
 $NFA_{PROVIDED} = A_{VENT,GROSS} \times 73\% \times (\# \text{ OF VENTS})$
 $NFA_{PROVIDED} = (12' \times 4') \times 0.73 \times (\# \text{ OF VENTS})$
 $NFA_{PROVIDED} = 2.92 \text{ FT}^2 \times (\# \text{ OF VENTS})$



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PRE-CHECKED SET NAME
30'x32' THRU 150'x32' BUILDINGS

Gen7
 healthy schools delivered

SITE SPECIFIC PROJECT NAME

SHEET TITLE
CONCRETE FOUNDATION PLAN
 (50 PSF LIVE LOAD + 15 PSF PARTITION LOAD)

MANUFACTURER PROFESSIONAL OF RECORD ON PC

Robert J. Giamberini
 REGISTERED PROFESSIONAL ENGINEER
 STATE OF CALIFORNIA

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PROJECT SPECIFIC STATE AGENCY APPROVAL

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 DIV. OF THE STATE ARCHITECT
 APP03 119722
 AC - FLS - SS - 21
 DATE FEB 05 2018

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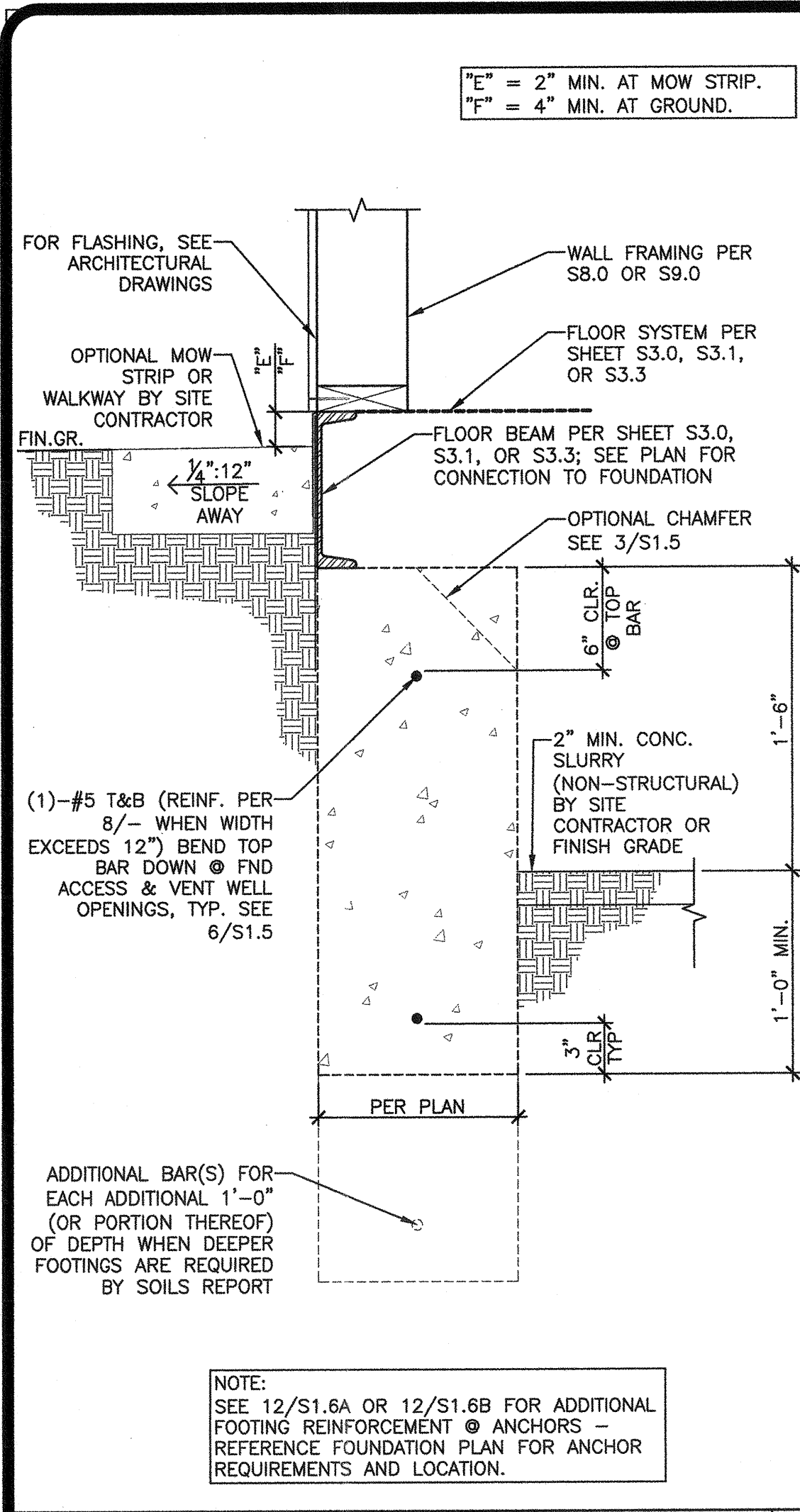
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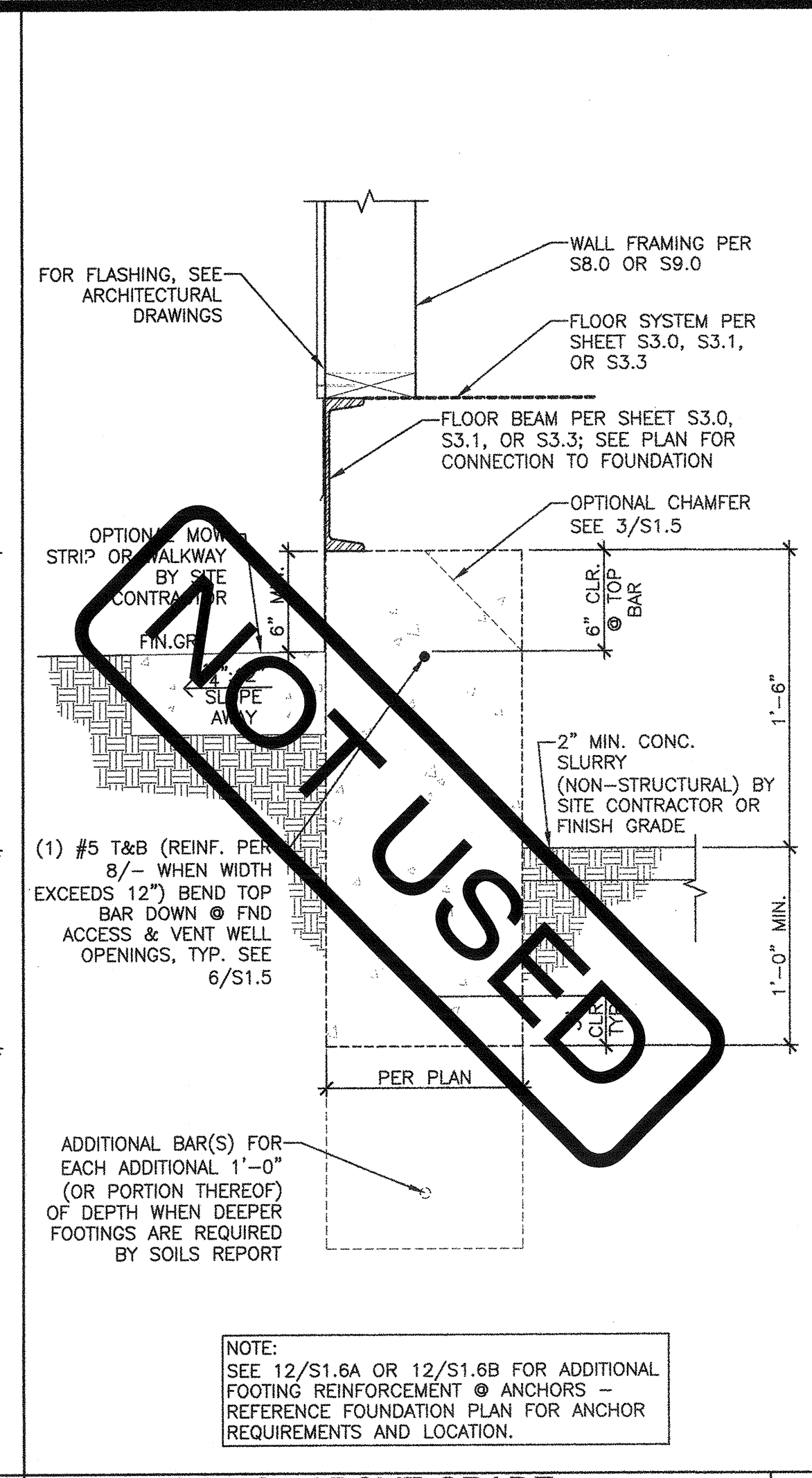
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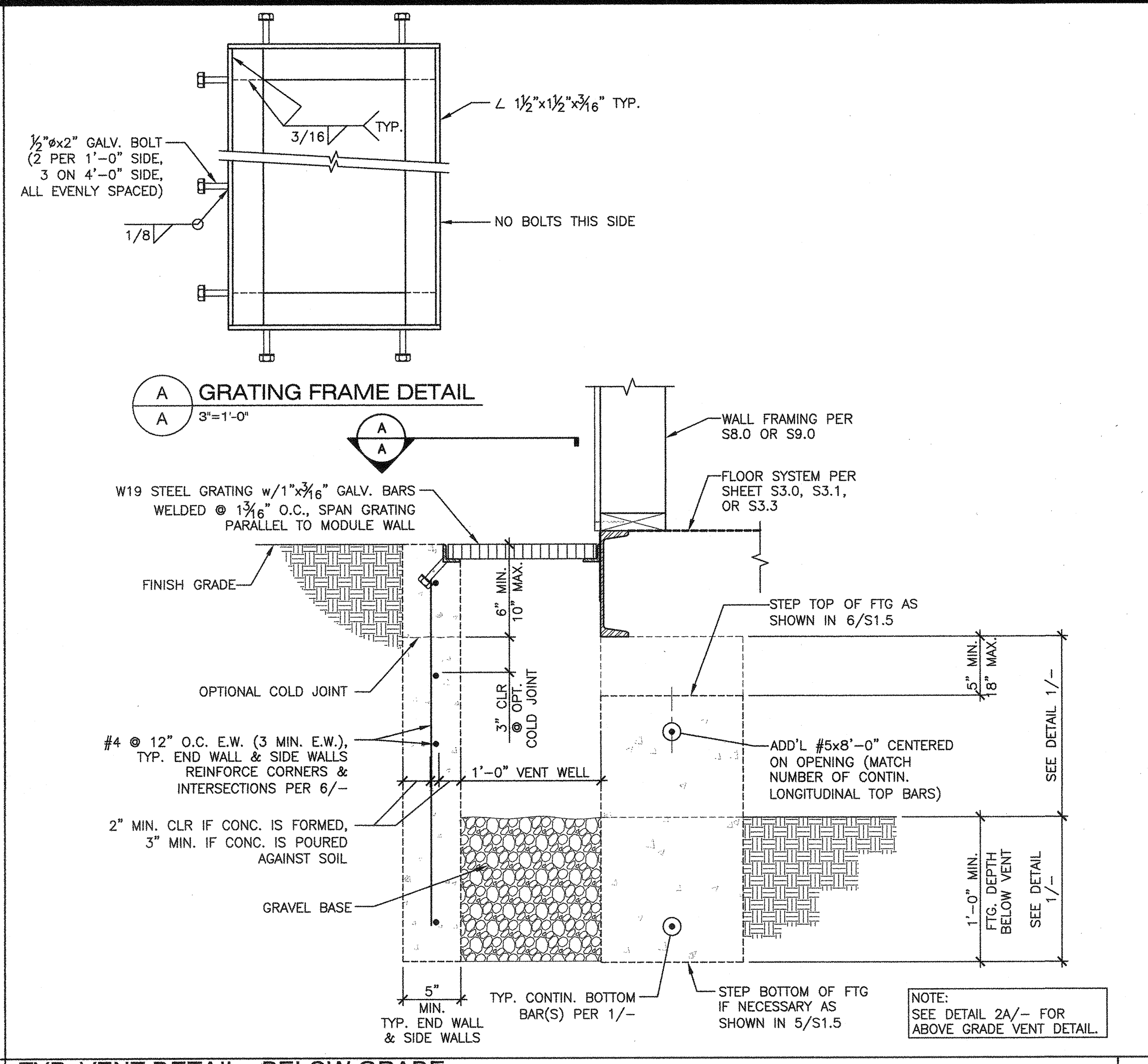
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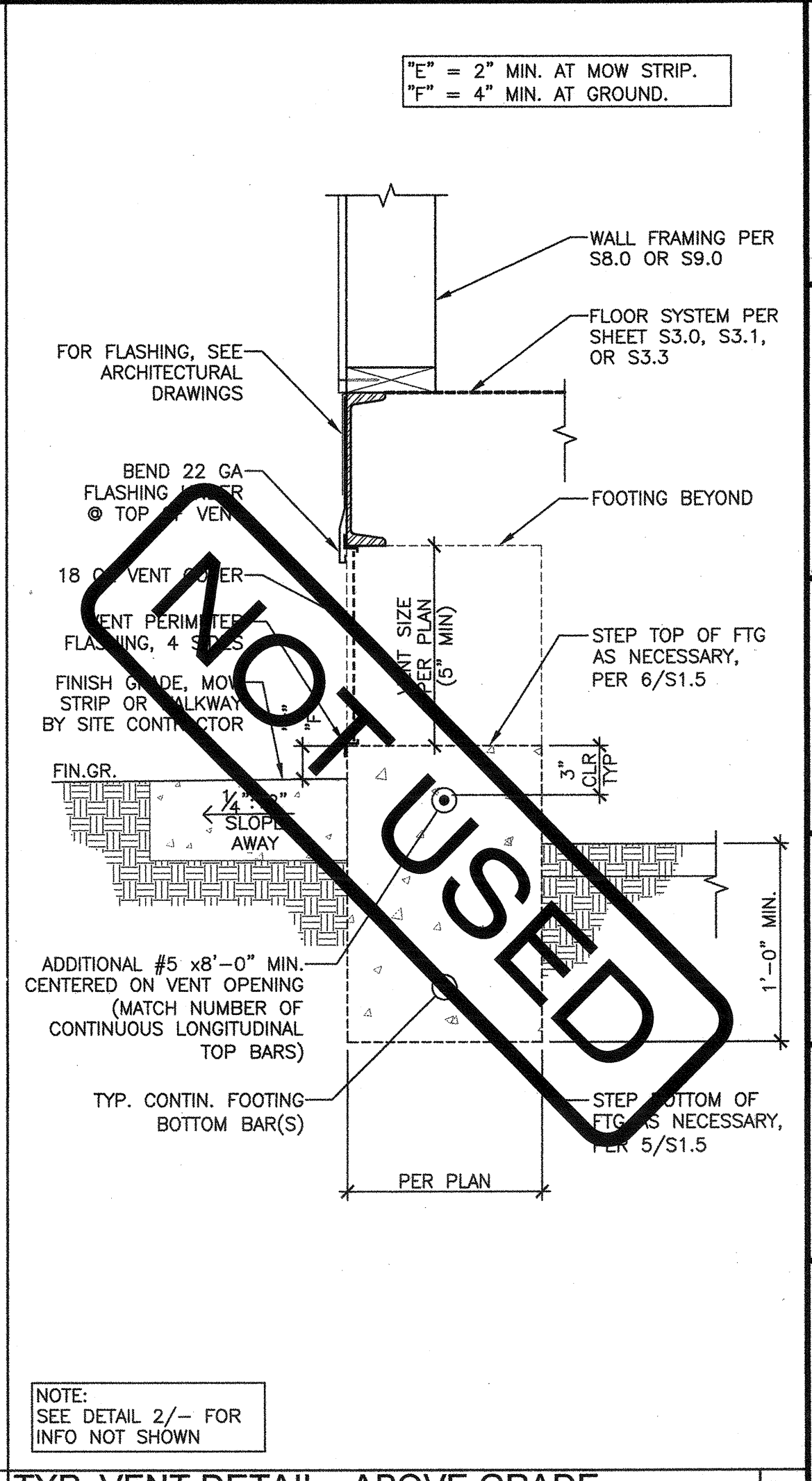
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TYP. FOOTING - ABOVE GRADE SCALE: 1-1/2" = 1'-0"



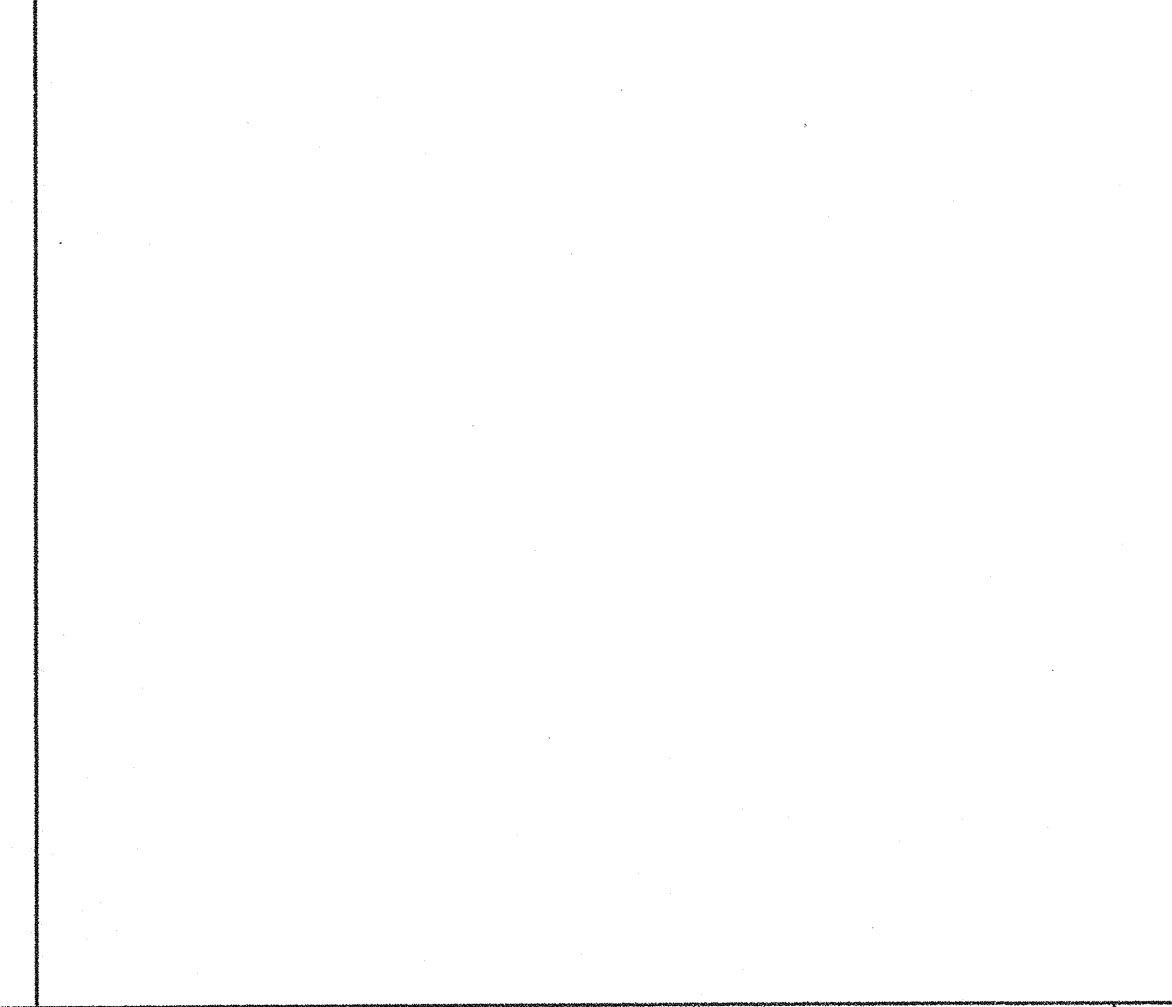
TYP. VENT DETAIL - BELOW GRADE SCALE: 1-1/2" = 1'-0"



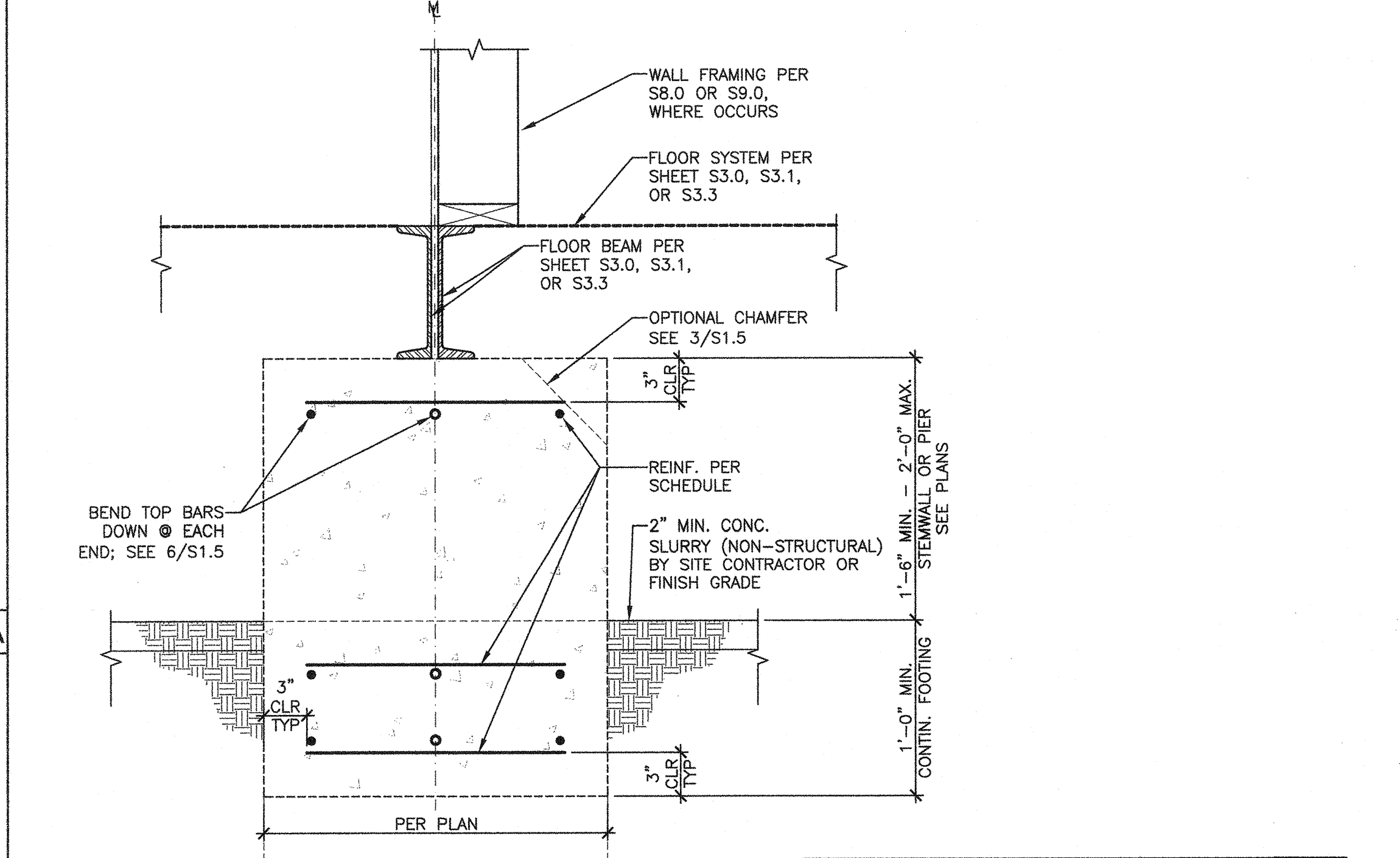
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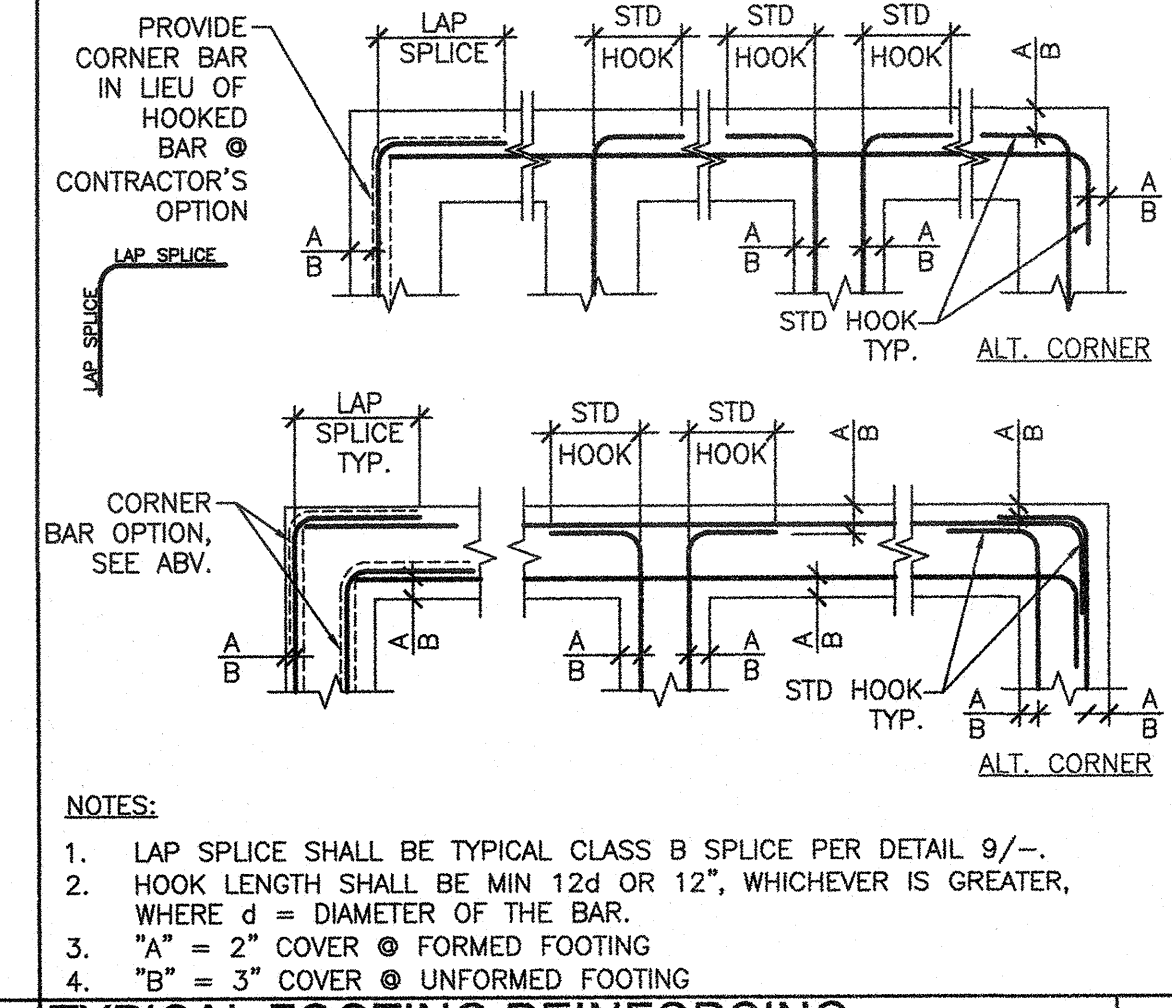
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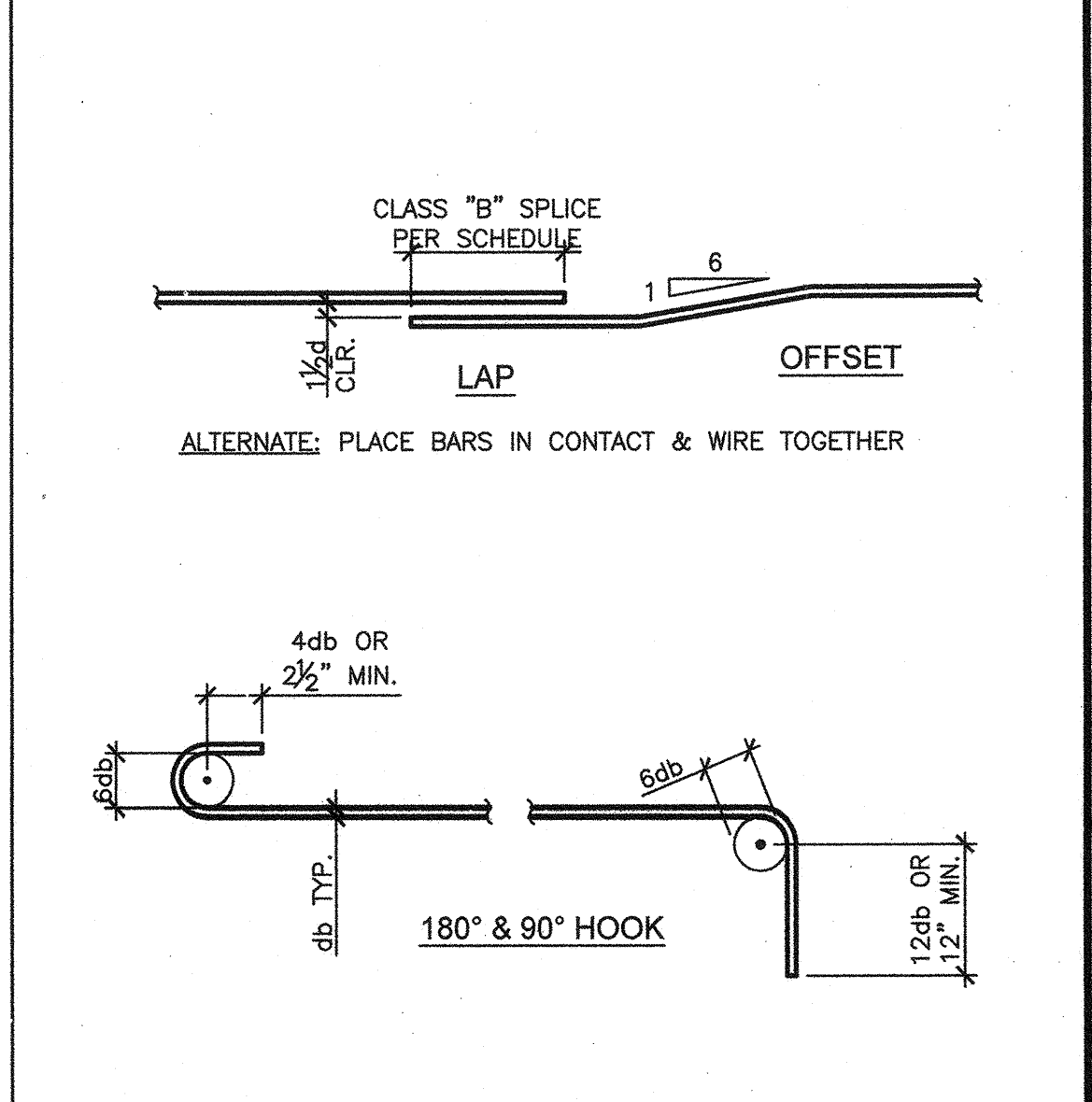
TYP. HOOP-STIRRUP DETAIL SCALE: 1-1/2" = 1'-0"



TYP. FOOTING REINFORCING SCALE: 1-1/2" = 1'-0"

FOOTING WIDTH (IN.)	CONTINUOUS LONGITUDINAL REINFORCING (EACH LEVEL)			TRANSVERSE REINFORCING (EACH LEVEL)		
	(1) #5	(2) #5	(3) #5	(1) #5	(2) #5	(3) #5
12"	(1) #5	NOT REQ'D		(1) #5	NOT REQ'D	
12" < W ≤ 16"	(2) #5			#4 @ 24" O.C.		
16" < W ≤ 24"	(2) #5			#4 @ 24" O.C.		
24" < W ≤ 36"	(2) #6 or (3) #5			#4 @ 24" O.C.		
36" < W ≤ 48"	(3) #6 or (4) #5			#4 @ 24" O.C.		

NOT USED



TYP. REINFORCING LAPS & BENDS SCALE: 1-1/2" = 1'-0"

BAR SIZE #	DEVELOPMENT LENGTH*			TYPICAL CLASS B LAP SPLICE LENGTH†					
	3000 PSI (IN.)	3500 PSI (IN.)	4000 PSI (IN.)	3000 PSI		3500 PSI		4000 PSI	
	TOP	BOTTOM	TOP	TOP	BOTTOM	TOP	BOTTOM	TOP	BOTTOM
3	13	12	12	21	16	20	16	20	16
4	17	16	15	28	22	26	20	24	19
5	21	20	18	35	27	33	25	30	24
6	25	23	22	42	32	39	30	36	28

TYP. REINFORCING LAPS & BENDS SCALE: 1-1/2" = 1'-0"



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PRE-CHECKED SET NAME
30'x32' THRU 150'x32' BUILDINGS
 Gen7
 healthy schools. delivered.

SITE SPECIFIC PROJECT NAME
 SHEET TITLE
CONCRETE FOUNDATION DETAILS

MANUFACTURER PROFESSIONAL OF RECORD ON PC
 LICENSED ARCHITECT
 PATRICK GARDNER
 No. 5322
 State of California
 APR 13 2019

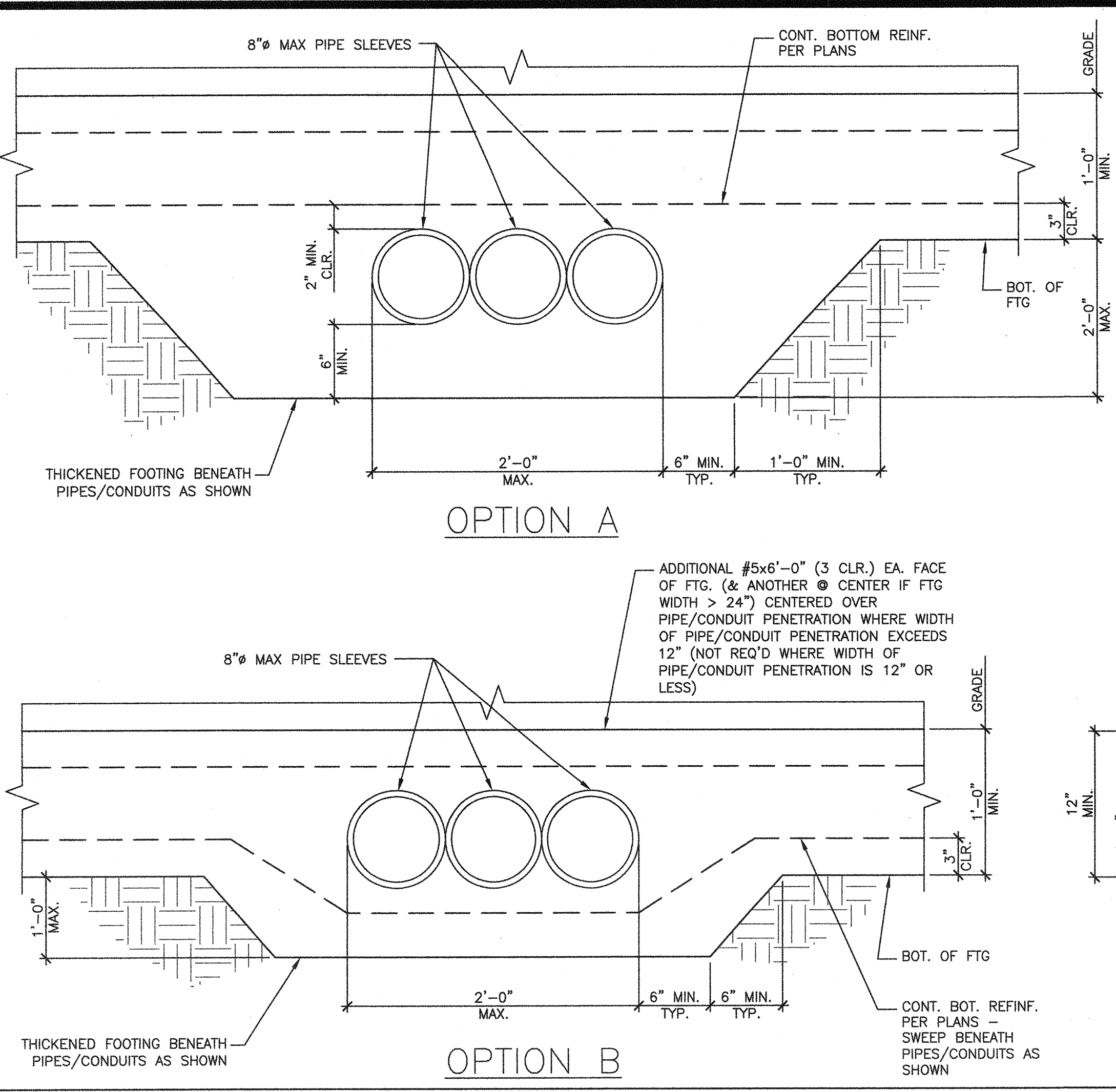
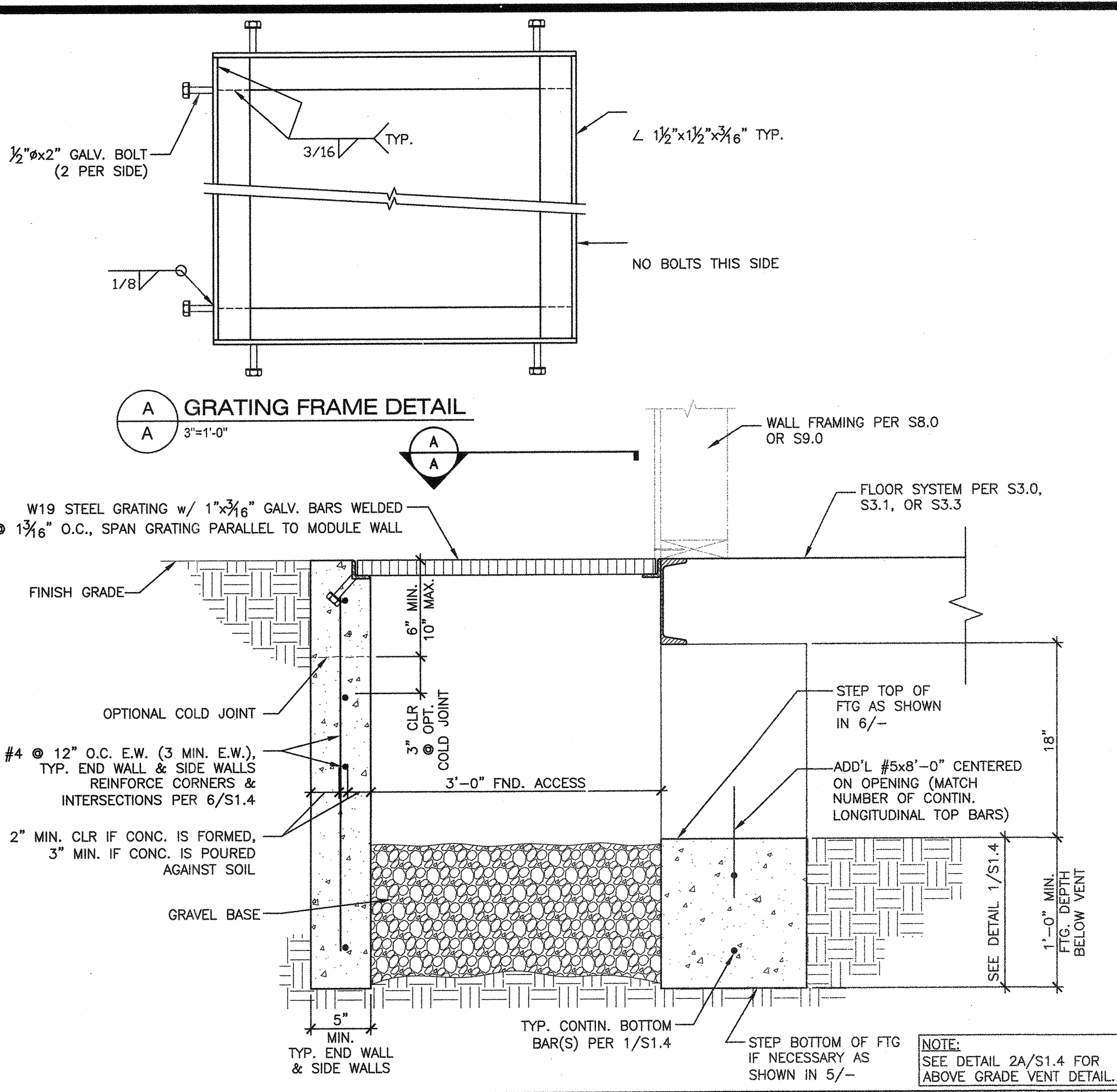
PROFESSIONAL ENGINEER
 ROBERT J. SAMER
 No. 5322
 State of California
 APR 13 2019

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 DIV. OF THE STATE ARCHITECT
 APPROX 119722
 AC - FLS - SS
 DATE FEB 05 2019

ORIGINAL PC STATE AGENCY APPROVAL
 IDENTIFICATION STAMP
 DIV. OF THE STATE ARCHITECT
 PC 02-116071
 AC - FLS - SS
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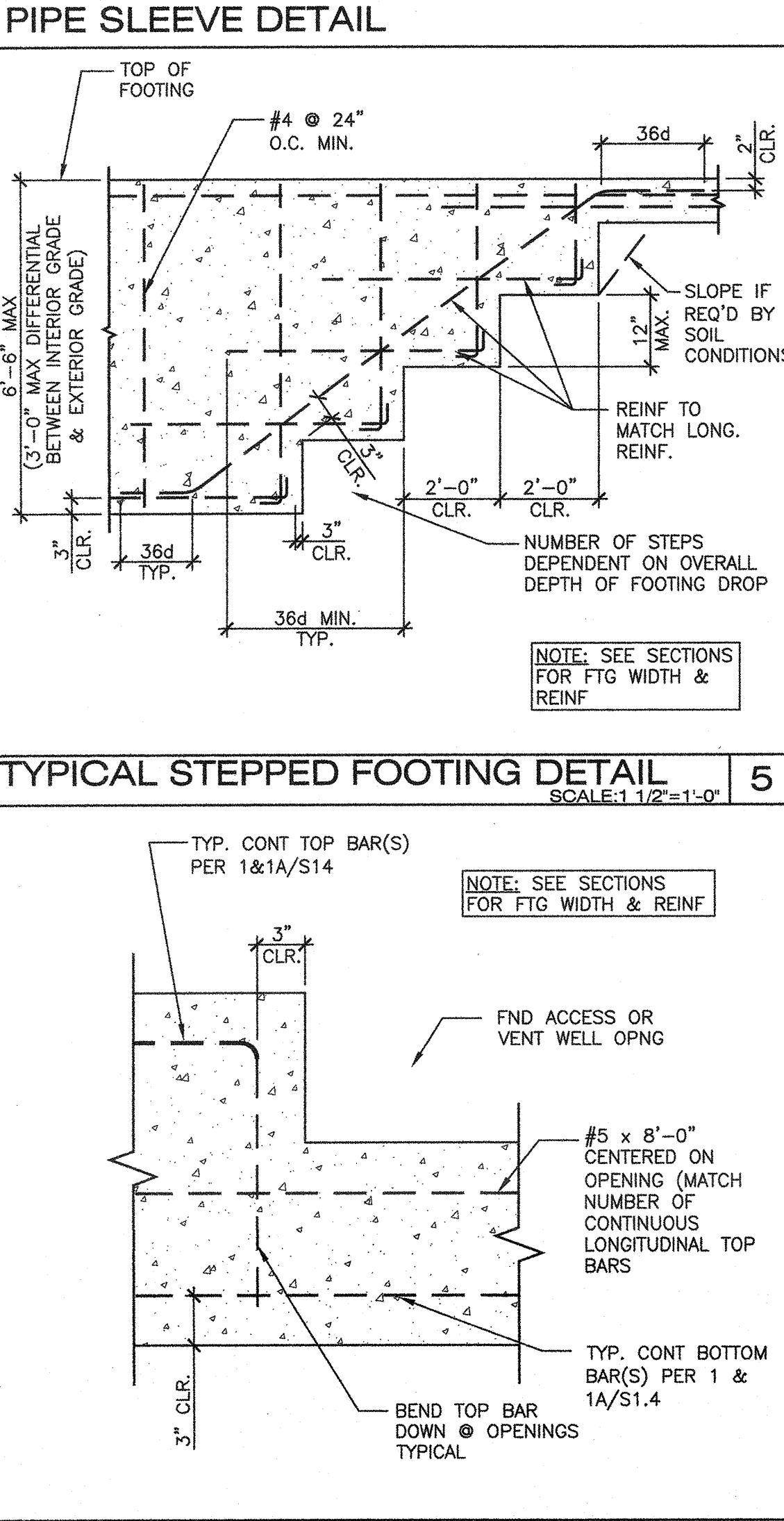
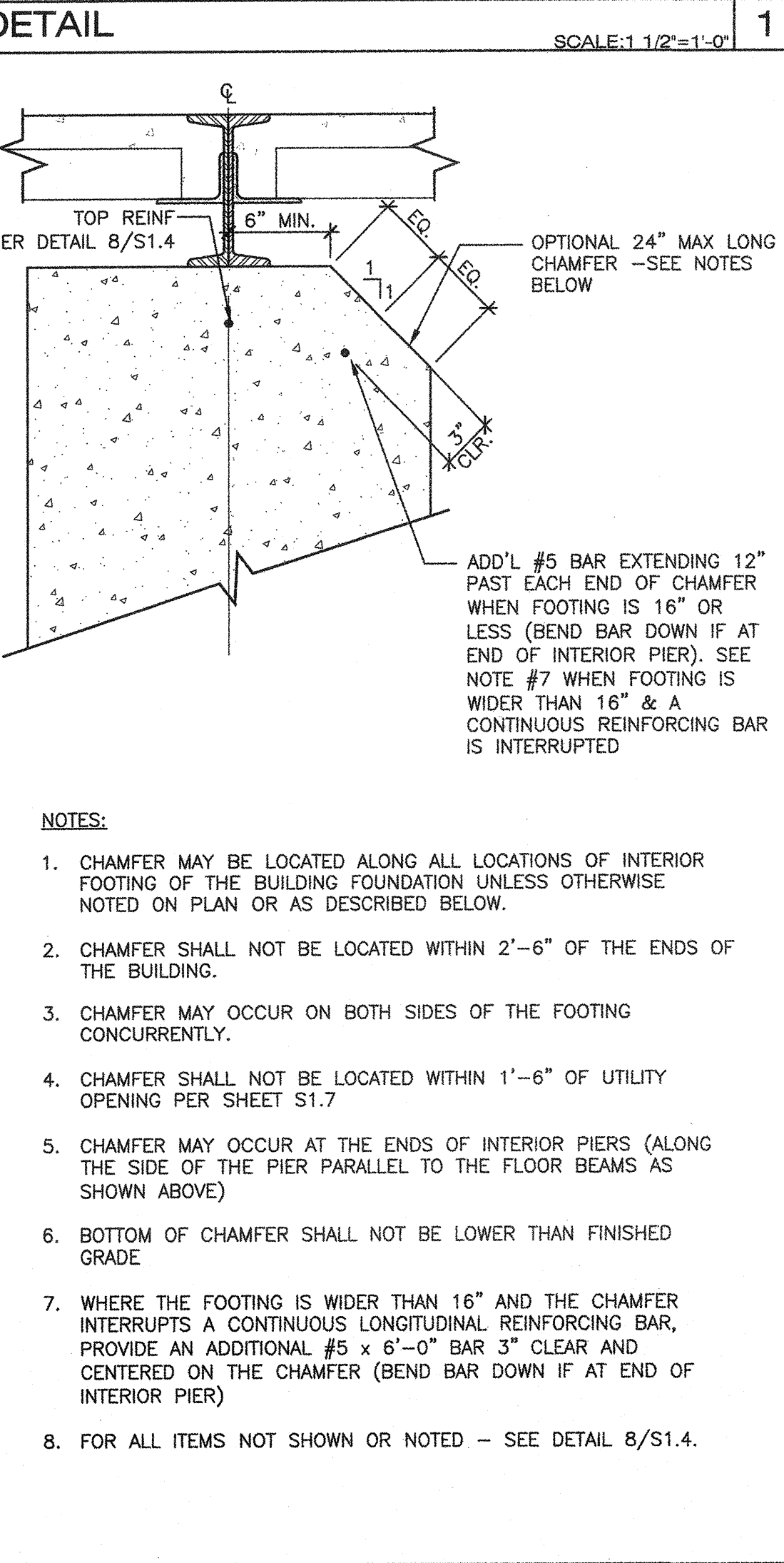
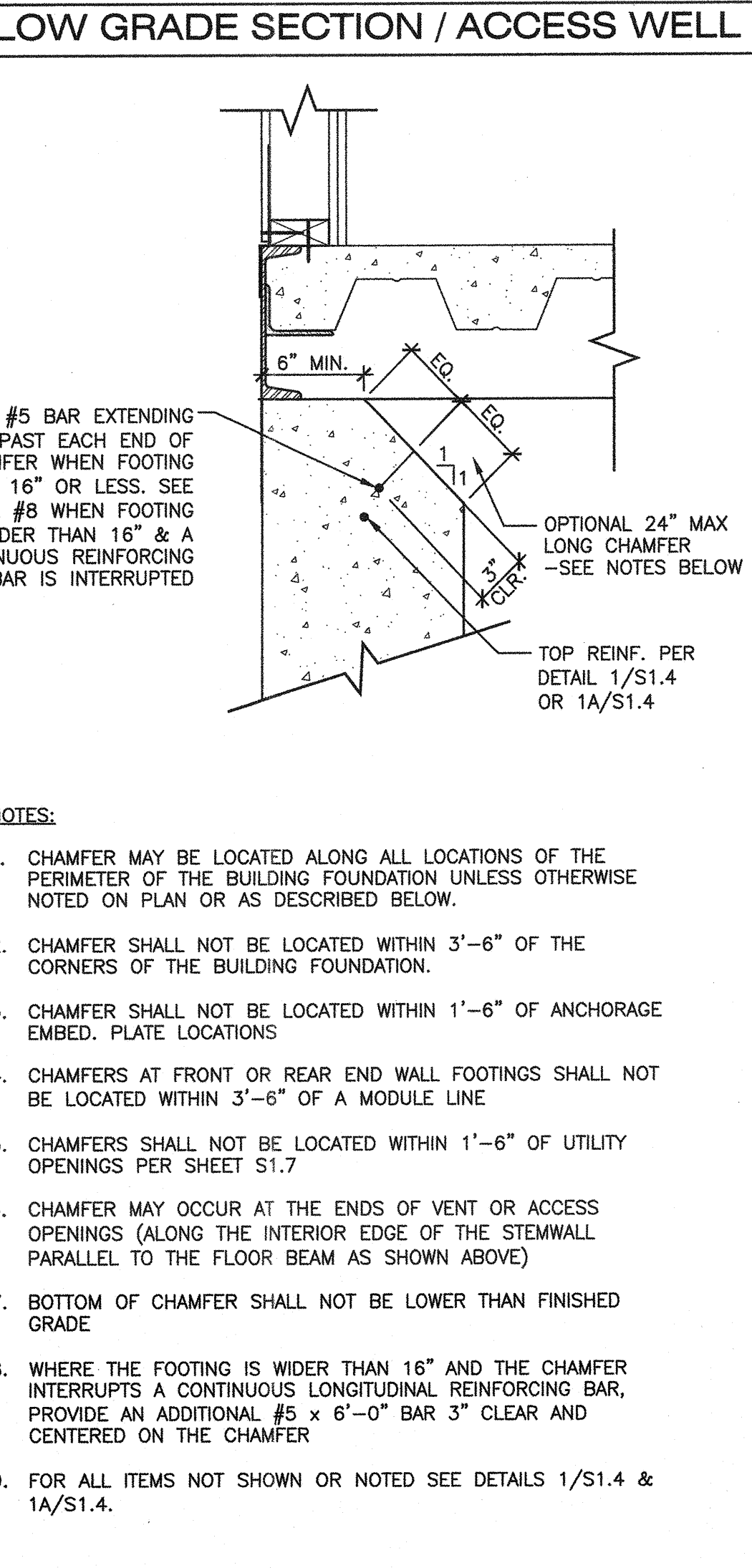
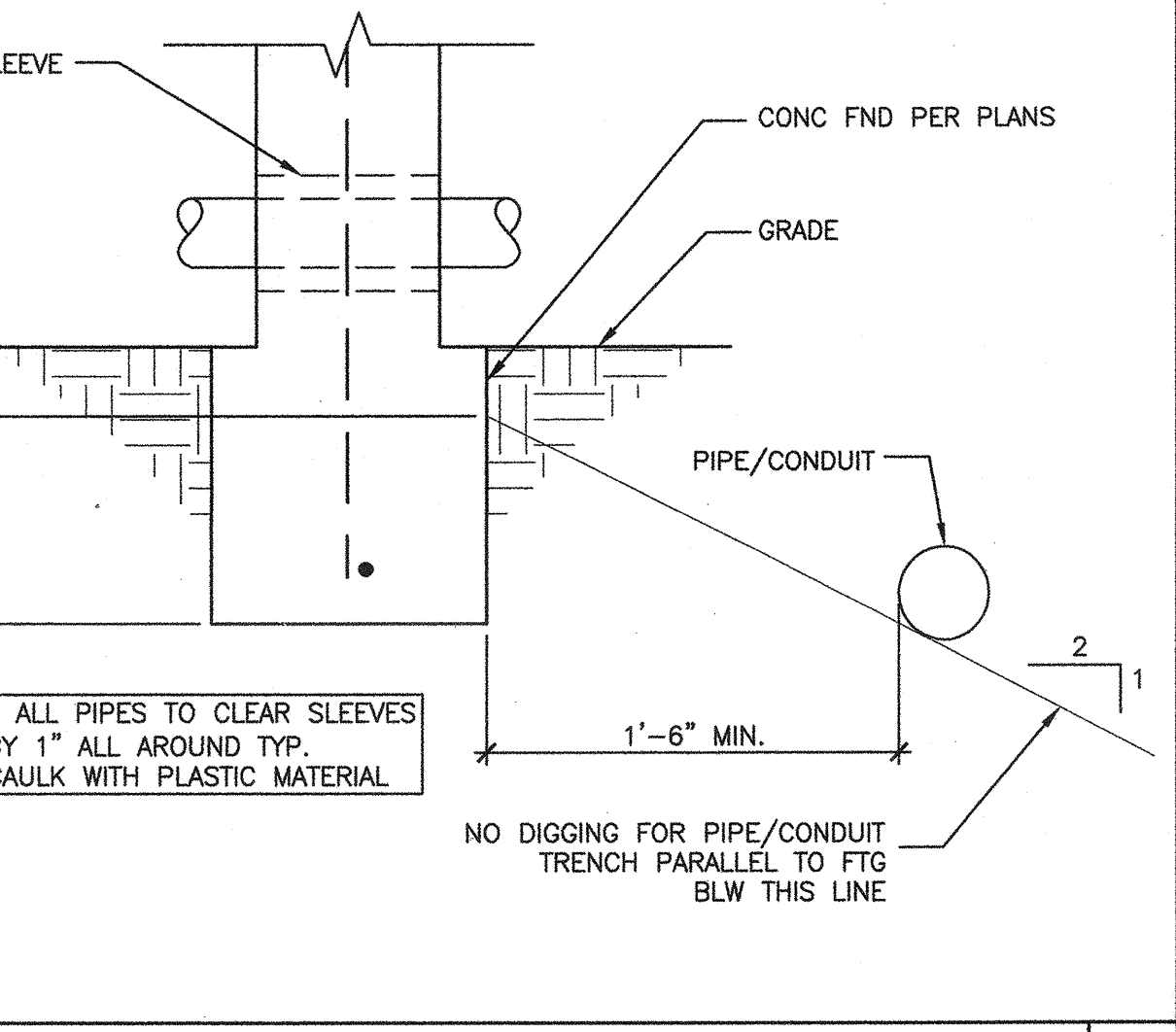
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 A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRED.
 REVISIONS
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 SCALE: AS NOTED
 DATE:
 SHEET NUMBER

S1.4



NOTES:

- AS AN OPTION TO INDIVIDUAL PIPE SLEEVES, THE FOOTING MAY BE BLOCKED OUT FOR MULTIPLE PIPES (10" HIGH x 24" WIDE MAX @ OPTION "A", 8" HIGH x 24" WIDE MAX @ OPTION "B") OR INDIVIDUAL PIPES. PROVIDE 1" MIN. CLEARANCE ALL AROUND BETWEEN PIPES/CONDUITS & BLOCKOUT/SLEEVES & FILL w/ CAULK.
- CONCRETE SHALL BE WELL CONSOLIDATED AROUND & UNDER PIPES, CONDUITS, SLEEVES, BLOCKOUTS TO PREVENT CONCRETE VOIDS.
- PROVIDE 2" CLEAR MIN BETWEEN BLOCKOUT SLEEVES AND REINFORCEMENT.
- WHERE TOP OF PIPES/CONDUITS ARE 12" OR MORE BELOW THE BOTTOM OF THE FOOTING, THICKENED FOOTING AROUND PIPES/CONDUITS IS NOT REQUIRED. BACKFILL & COMPACT TO 95% OVER PIPES / CONDUITS PRIOR TO PLACING FOOTING.



NOTES:

- CHAMFER MAY BE LOCATED ALONG ALL LOCATIONS OF THE PERIMETER OF THE BUILDING FOUNDATION UNLESS OTHERWISE NOTED ON PLAN OR AS DESCRIBED BELOW.
- CHAMFER SHALL NOT BE LOCATED WITHIN 3'-6" OF THE CORNERS OF THE BUILDING FOUNDATION.
- CHAMFER SHALL NOT BE LOCATED WITHIN 1'-6" OF ANCHORAGE EMBED. PLATE LOCATIONS.
- CHAMFERS AT FRONT OR REAR END WALL FOOTINGS SHALL NOT BE LOCATED WITHIN 3'-6" OF A MODULE LINE.
- CHAMFERS SHALL NOT BE LOCATED WITHIN 1'-6" OF UTILITY OPENINGS PER SHEET S1.7.
- CHAMFER MAY OCCUR AT THE ENDS OF VENT OR ACCESS OPENINGS (ALONG THE INTERIOR EDGE OF THE STEMWALL PARALLEL TO THE FLOOR BEAM AS SHOWN ABOVE).
- BOTTOM OF CHAMFER SHALL NOT BE LOWER THAN FINISHED GRADE.
- WHERE THE FOOTING IS WIDER THAN 16" AND THE CHAMFER INTERRUPTS A CONTINUOUS LONGITUDINAL REINFORCING BAR, PROVIDE AN ADDITIONAL #5 x 8'-0" BAR 3" CLEAR AND CENTERED ON THE CHAMFER (BEND BAR DOWN IF AT END OF INTERIOR PIER).
- FOR ALL ITEMS NOT SHOWN OR NOTED - SEE DETAIL 8/S1.4.

AMS
 American Modular Systems
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 Phone (209) 526-1921 • Fax (209) 525-7018
 www.americanmodular.com

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PRE-CHECKED SET NAME
30'x32' THRU 150'x32' BUILDINGS

Gen7
 healthy schools. delivered

SITE SPECIFIC PROJECT NAME

SHEET TITLE
CONCRETE FOUNDATION DETAILS

MANUFACTURER PROFESSIONAL OF RECORD ON PC

ROBERT PATRICK GIBSON
 LICENSED ARCHITECT
 No. 5322
 State of California

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 AC - FLS - SS 67
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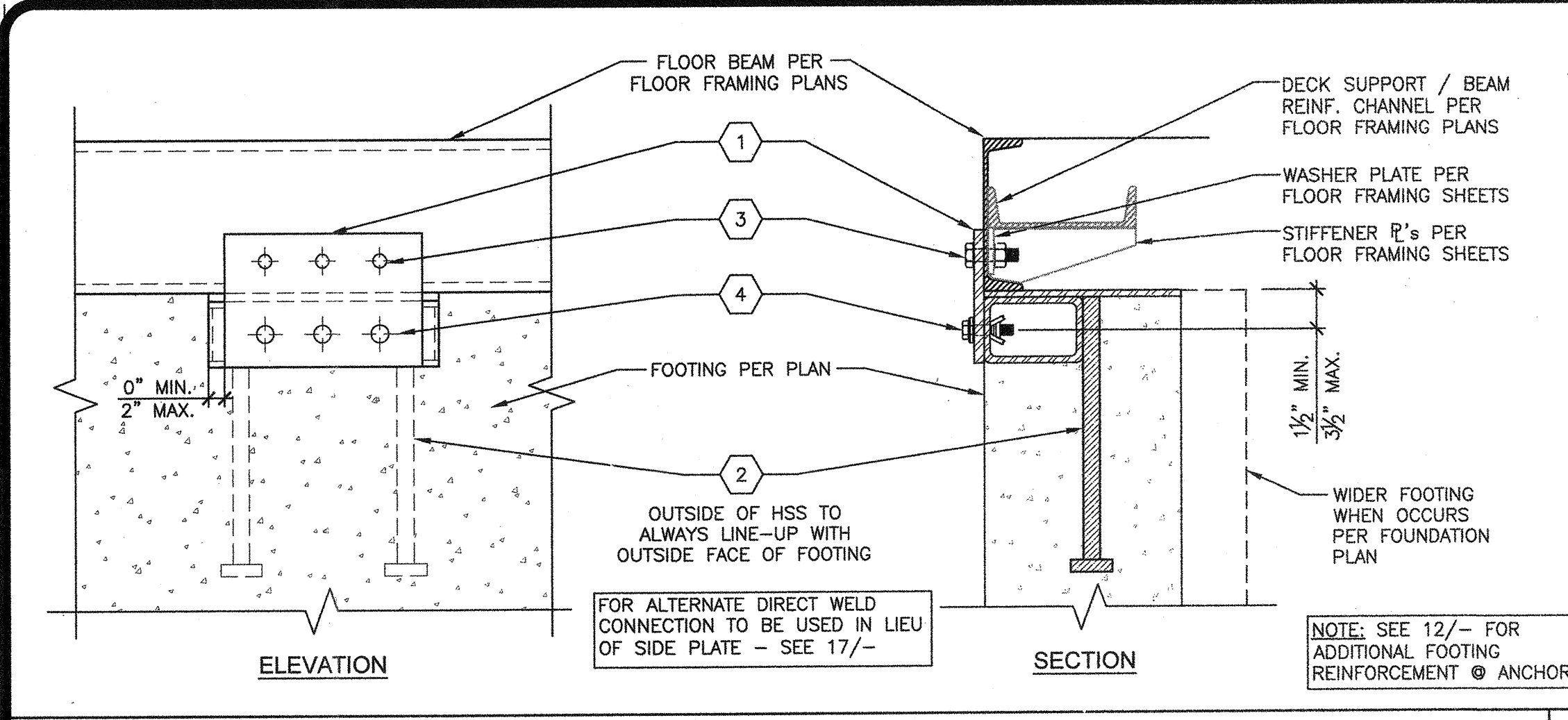
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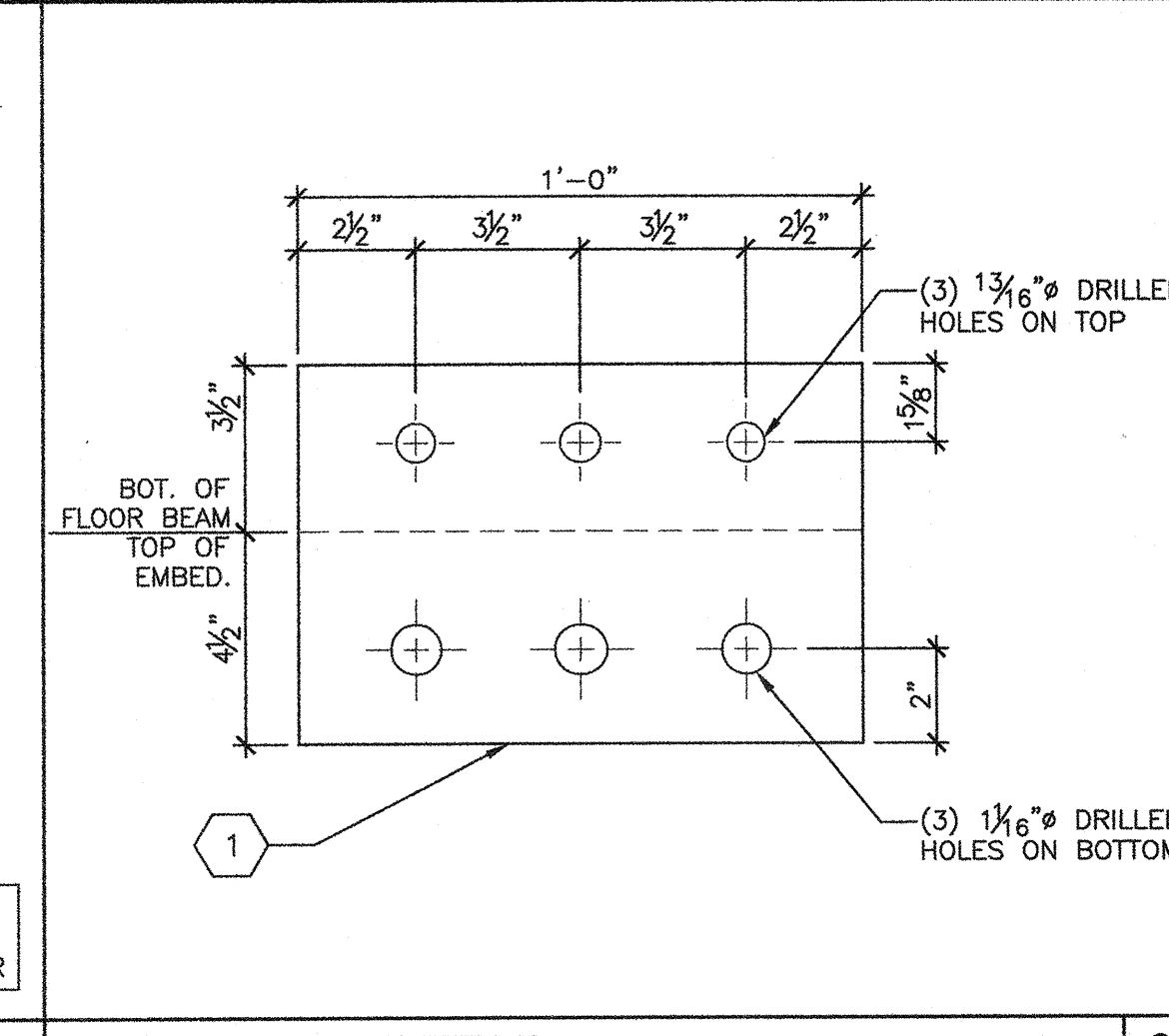
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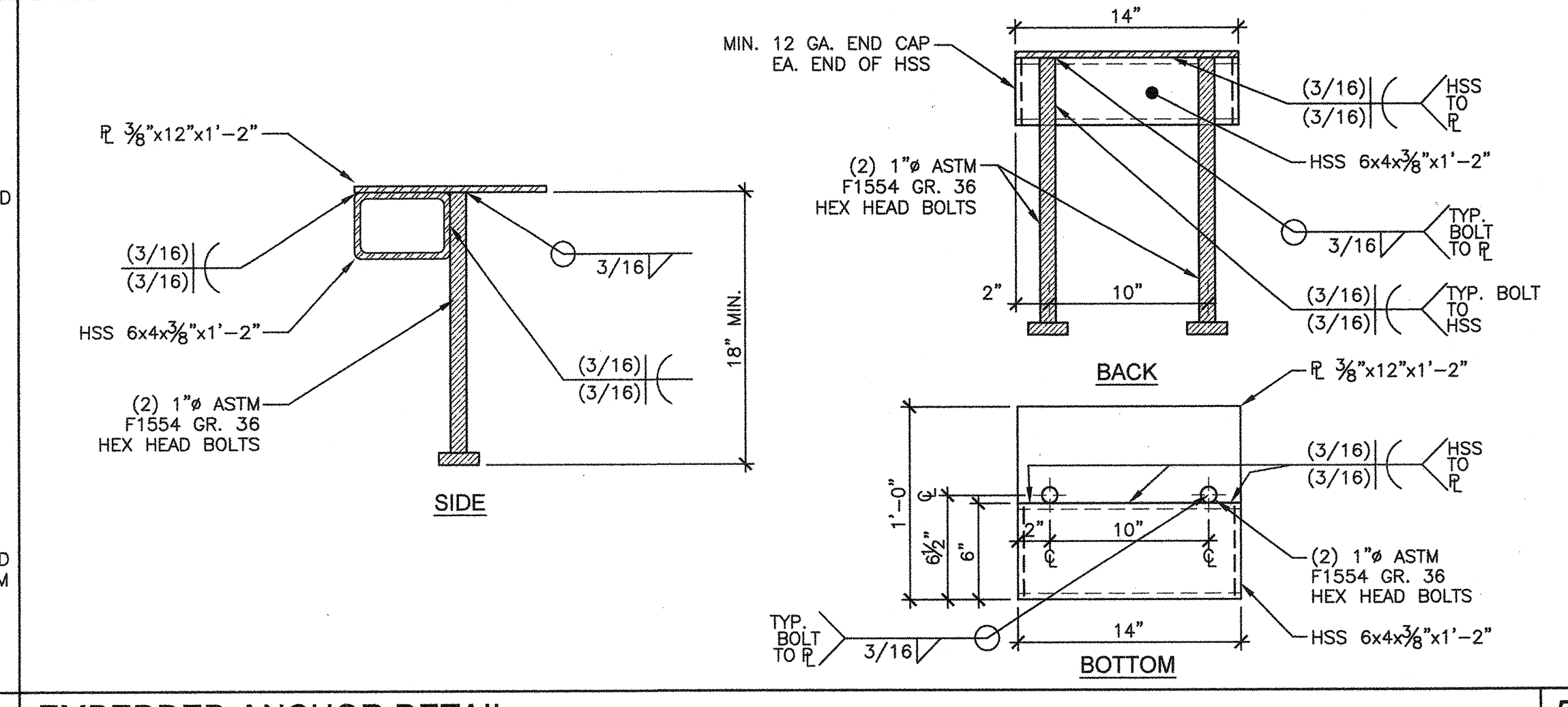
S1.5



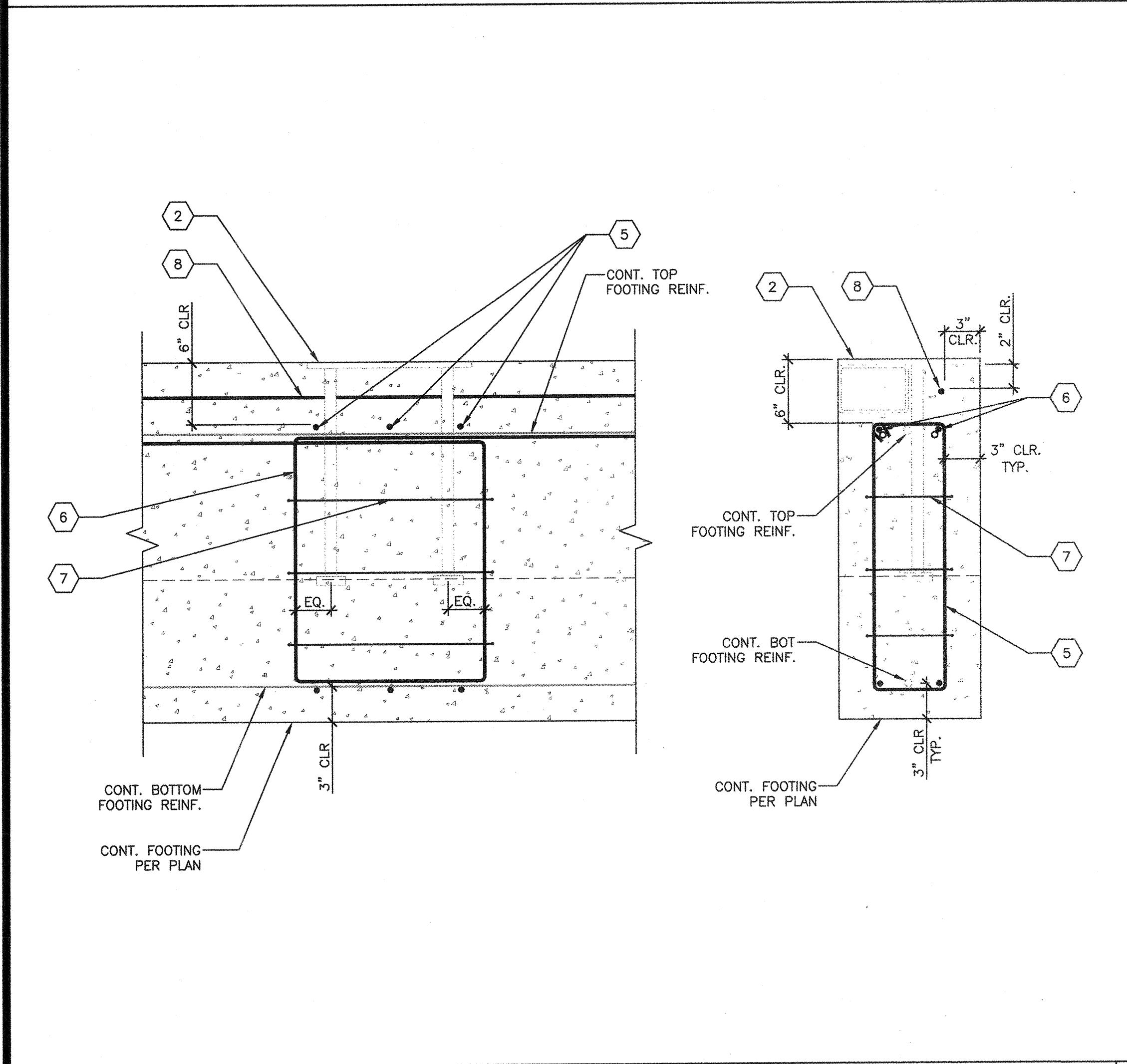
STANDARD ANCHORAGE DETAIL SCALE: 1-1/2" = 1'-0"



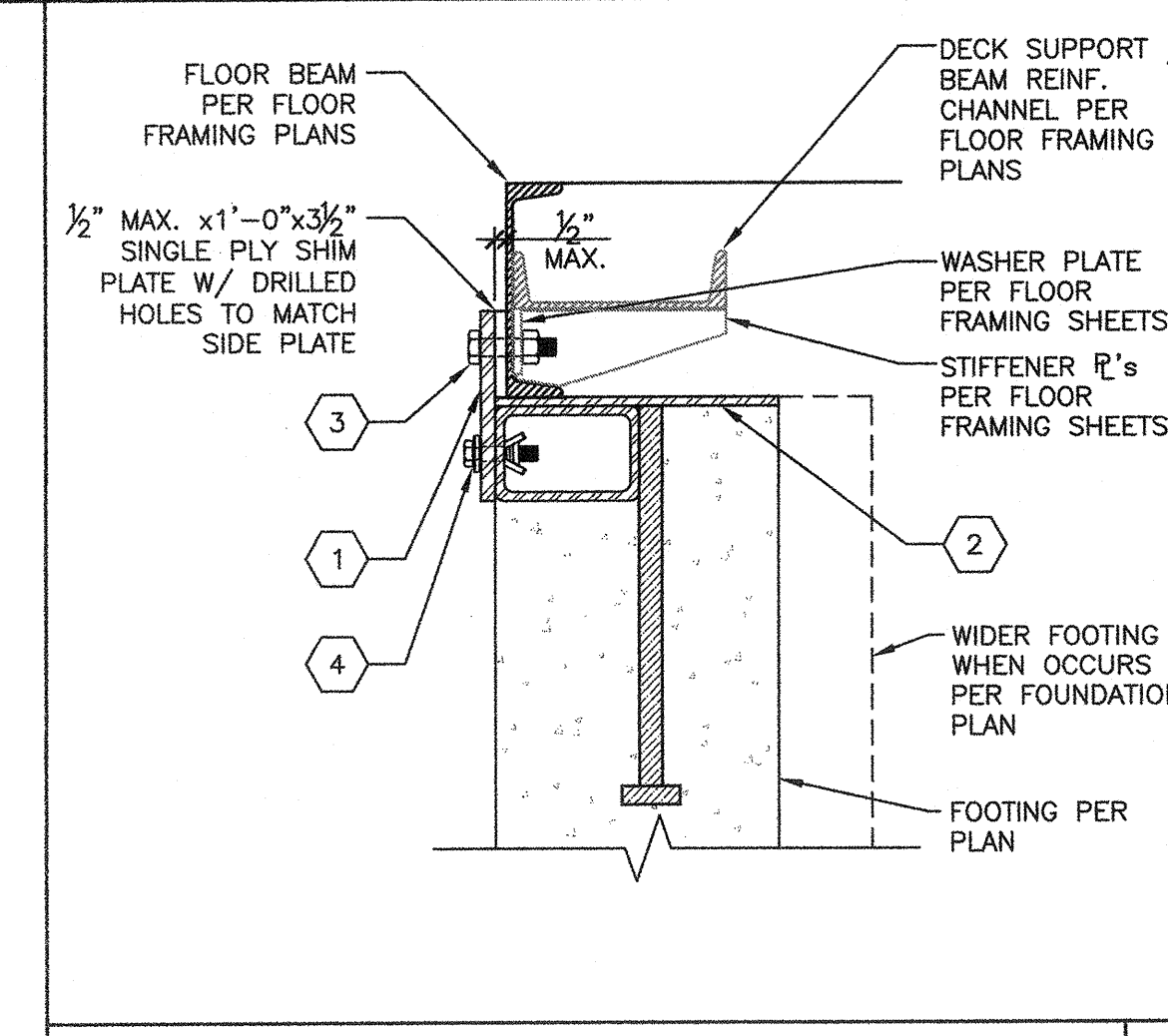
SIDE PLATE DETAIL SCALE: 3" = 1'-0"



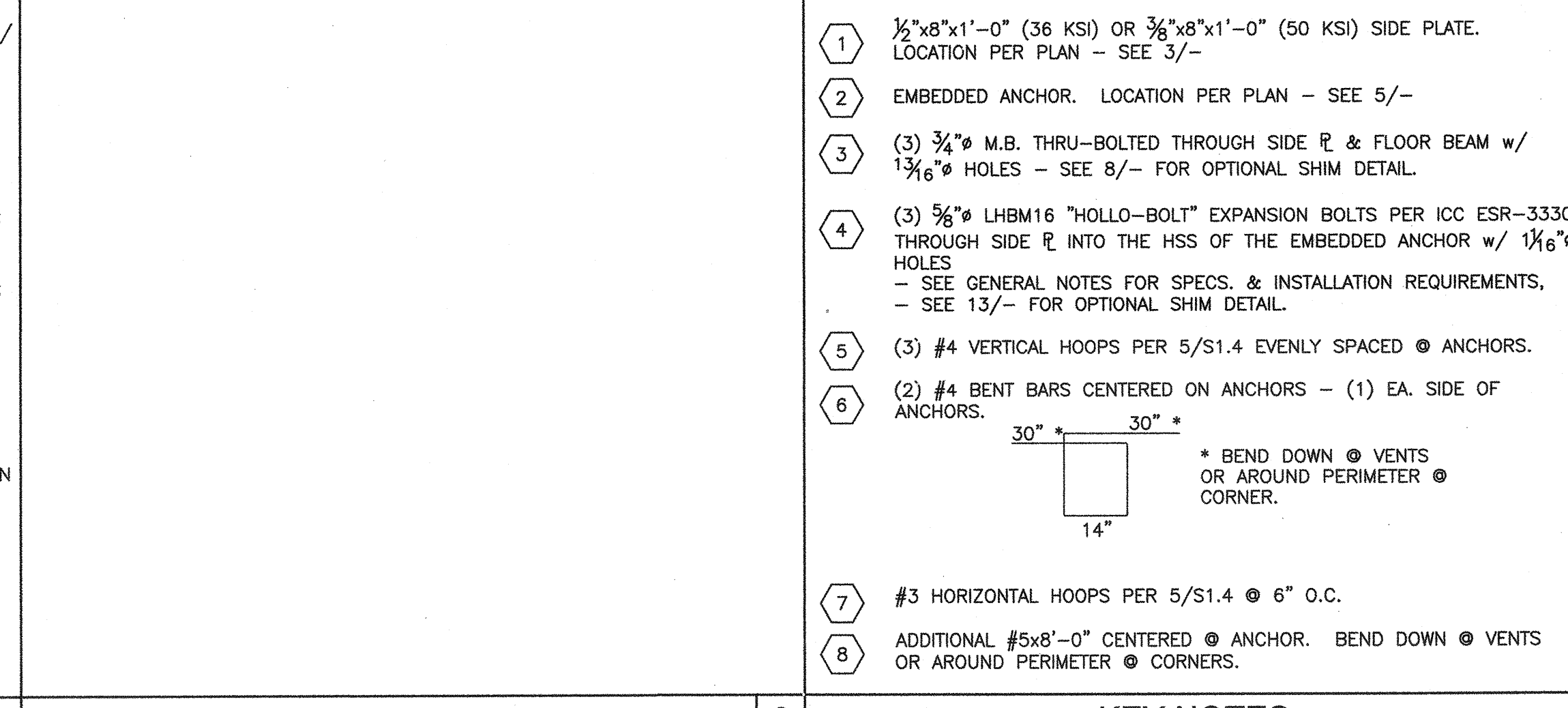
EMBEDDED ANCHOR DETAIL SCALE: 1-1/2" = 1'-0"



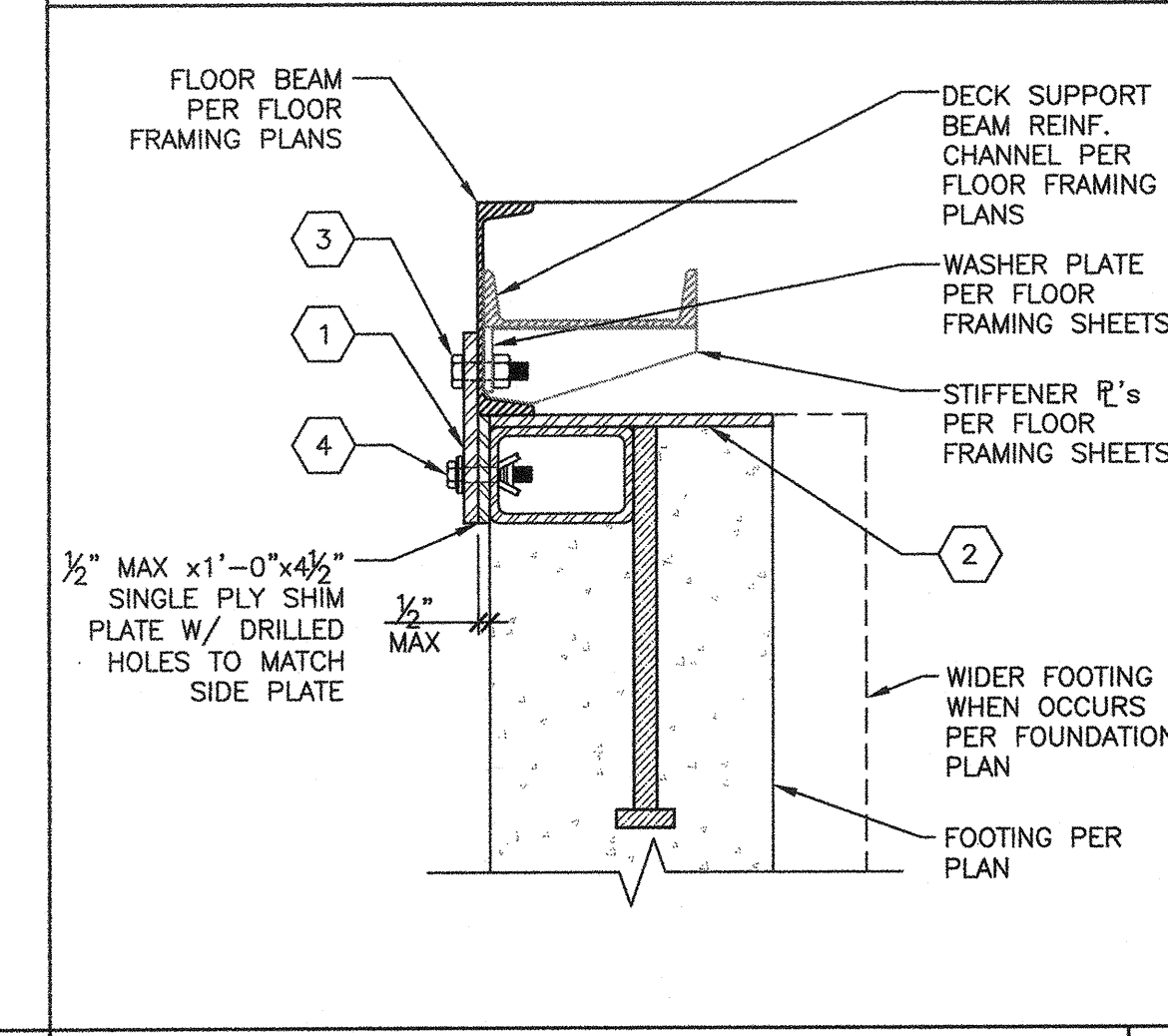
EMBEDDED ANCHOR REINFORCEMENT DETAIL SCALE: 1-1/2" = 1'-0"



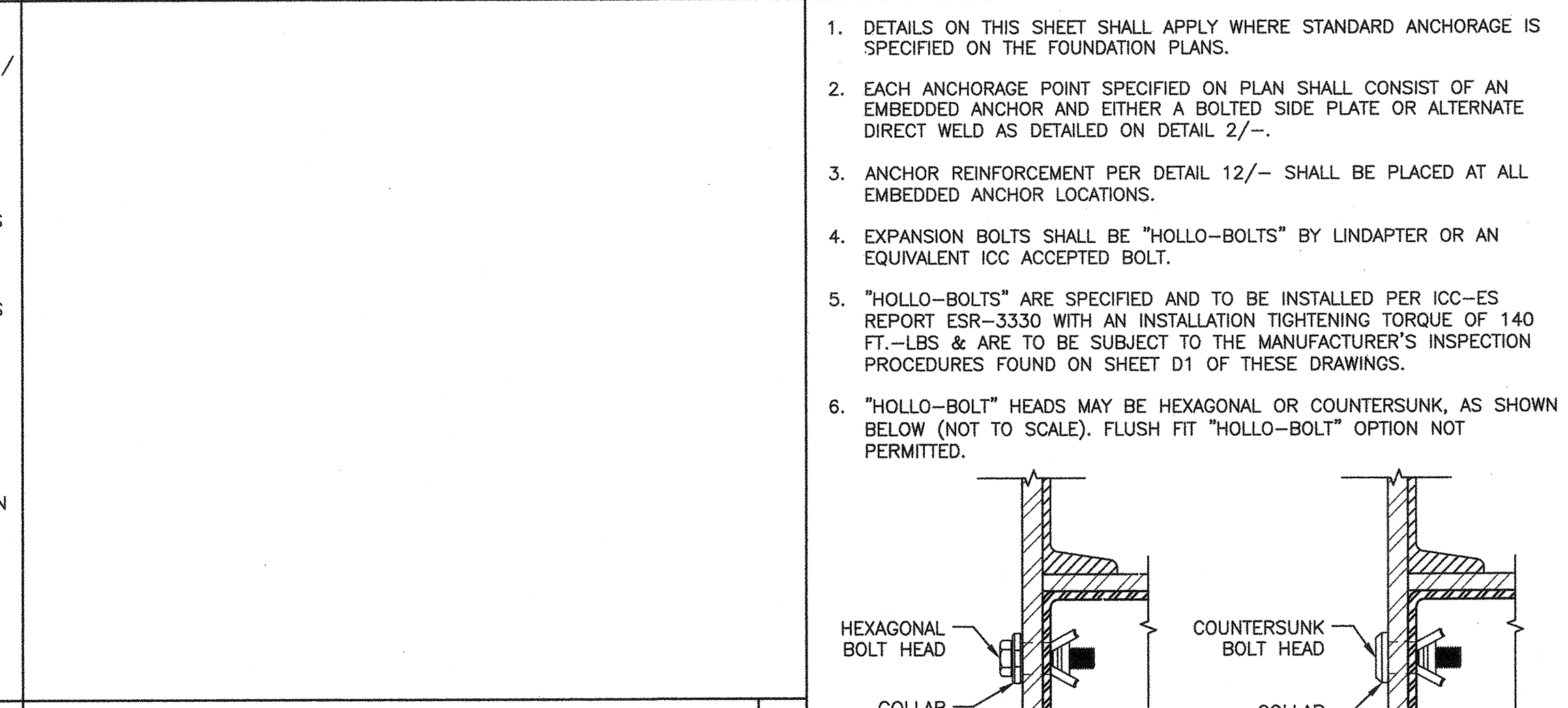
OPT. SHIM @ TOP SCALE: 1-1/2" = 1'-0"



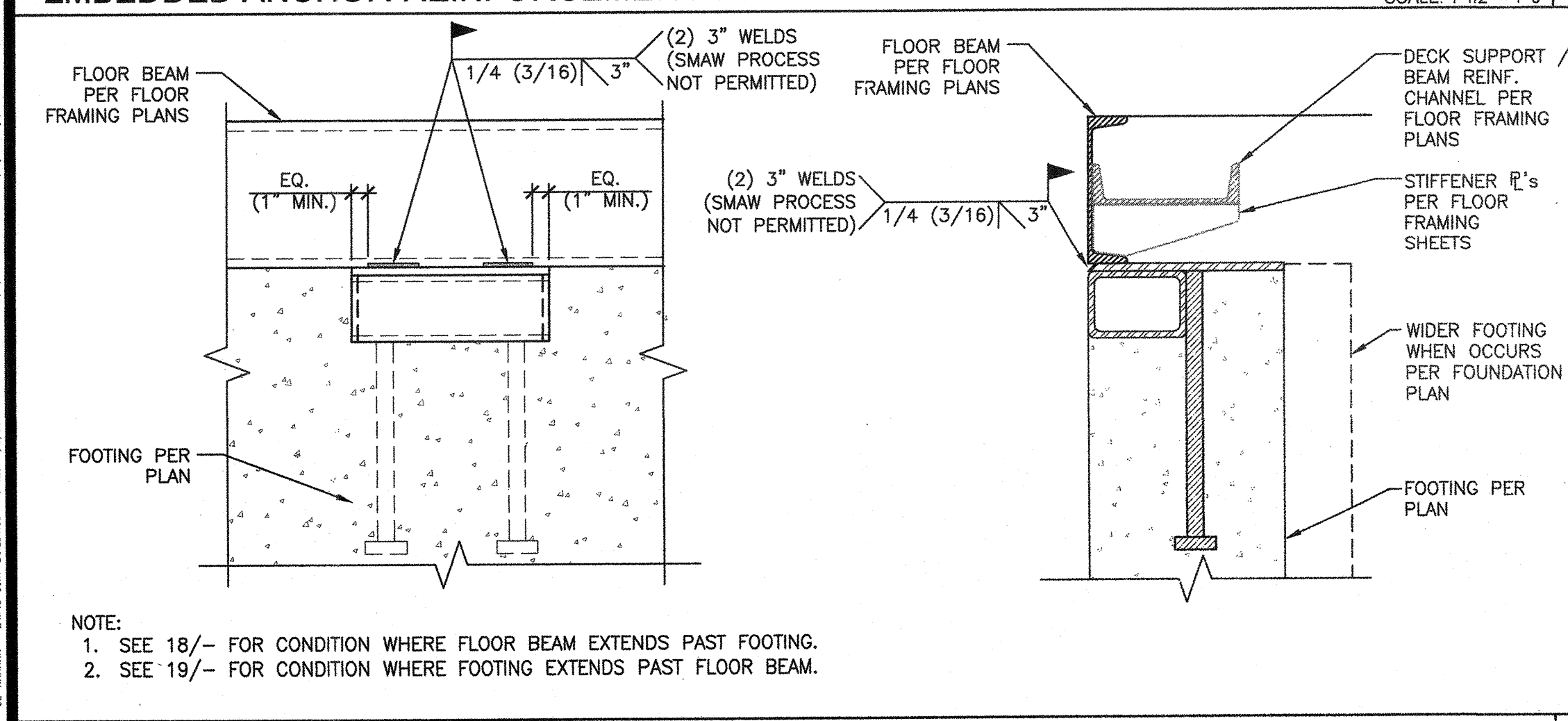
NOT USED



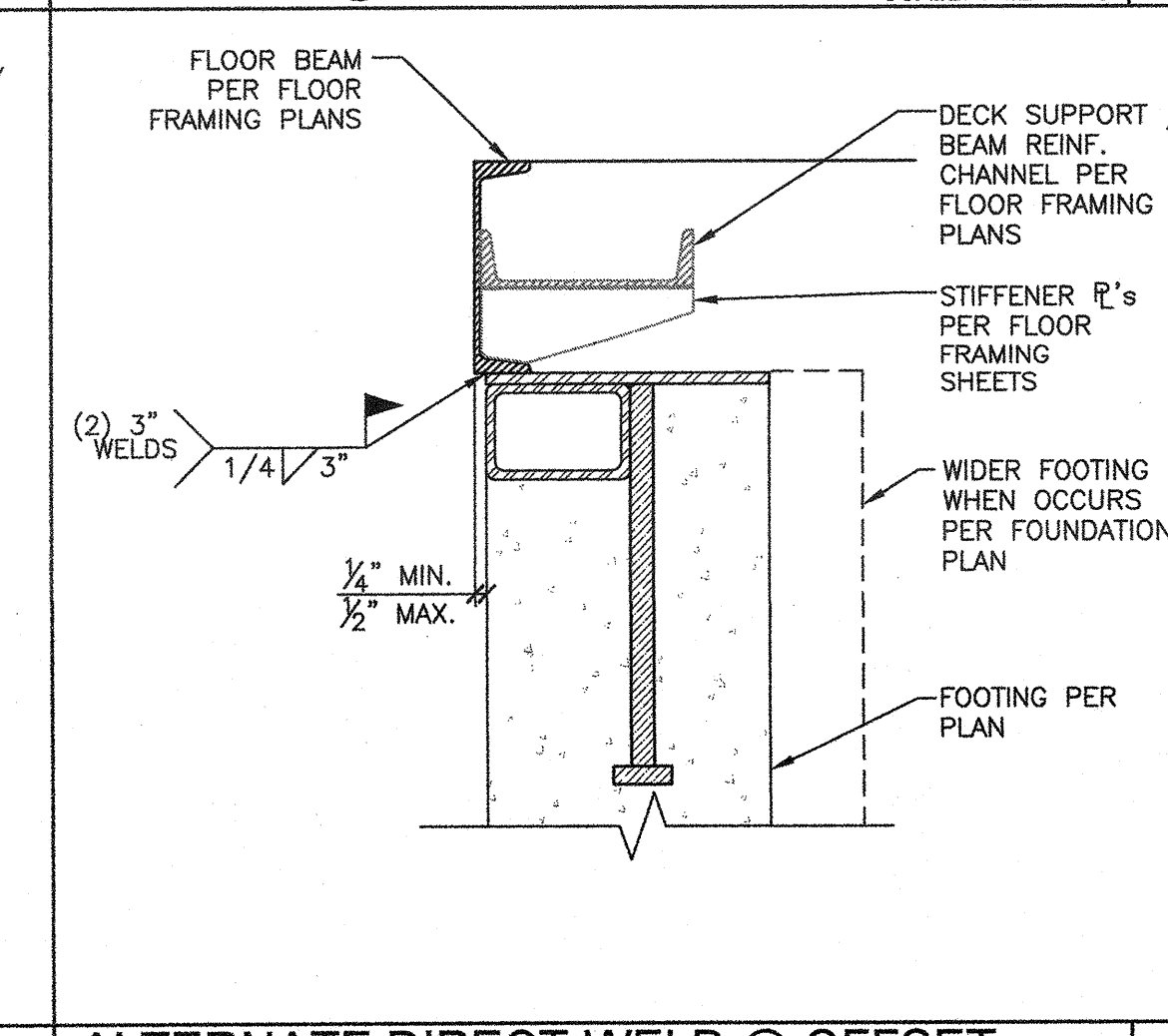
OPT. SHIM @ BOT SCALE: 1-1/2" = 1'-0"



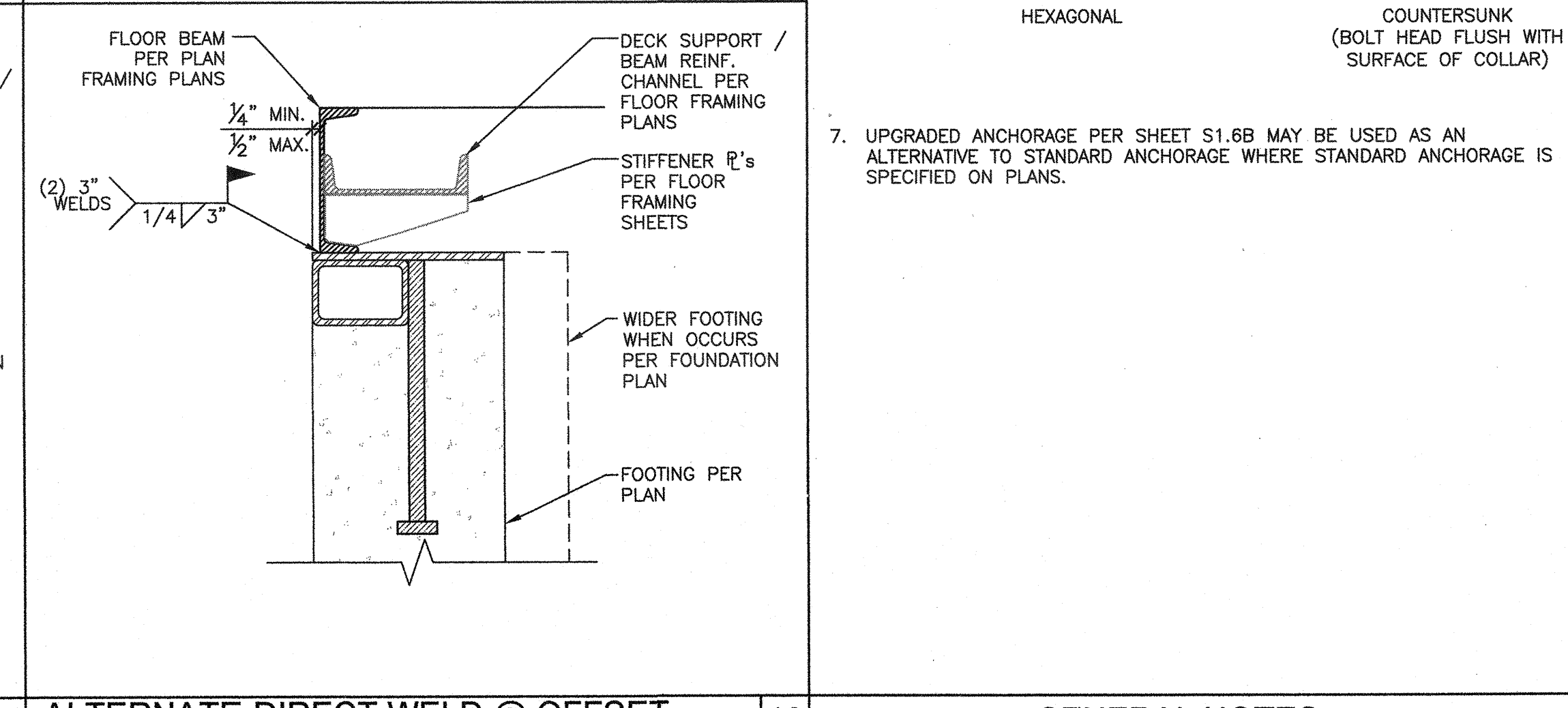
NOT USED



ALTERNATE DIRECT WELD CONNECTION SCALE: 1-1/2" = 1'-0"



ALTERNATE DIRECT WELD @ OFFSET SCALE: 1-1/2" = 1'-0"



ALTERNATE DIRECT WELD @ OFFSET SCALE: 1-1/2" = 1'-0"



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SITE SPECIFIC PROJECT NAME

SHEET TITLE
 STANDARD ANCHORAGE FOUNDATION DETAILS

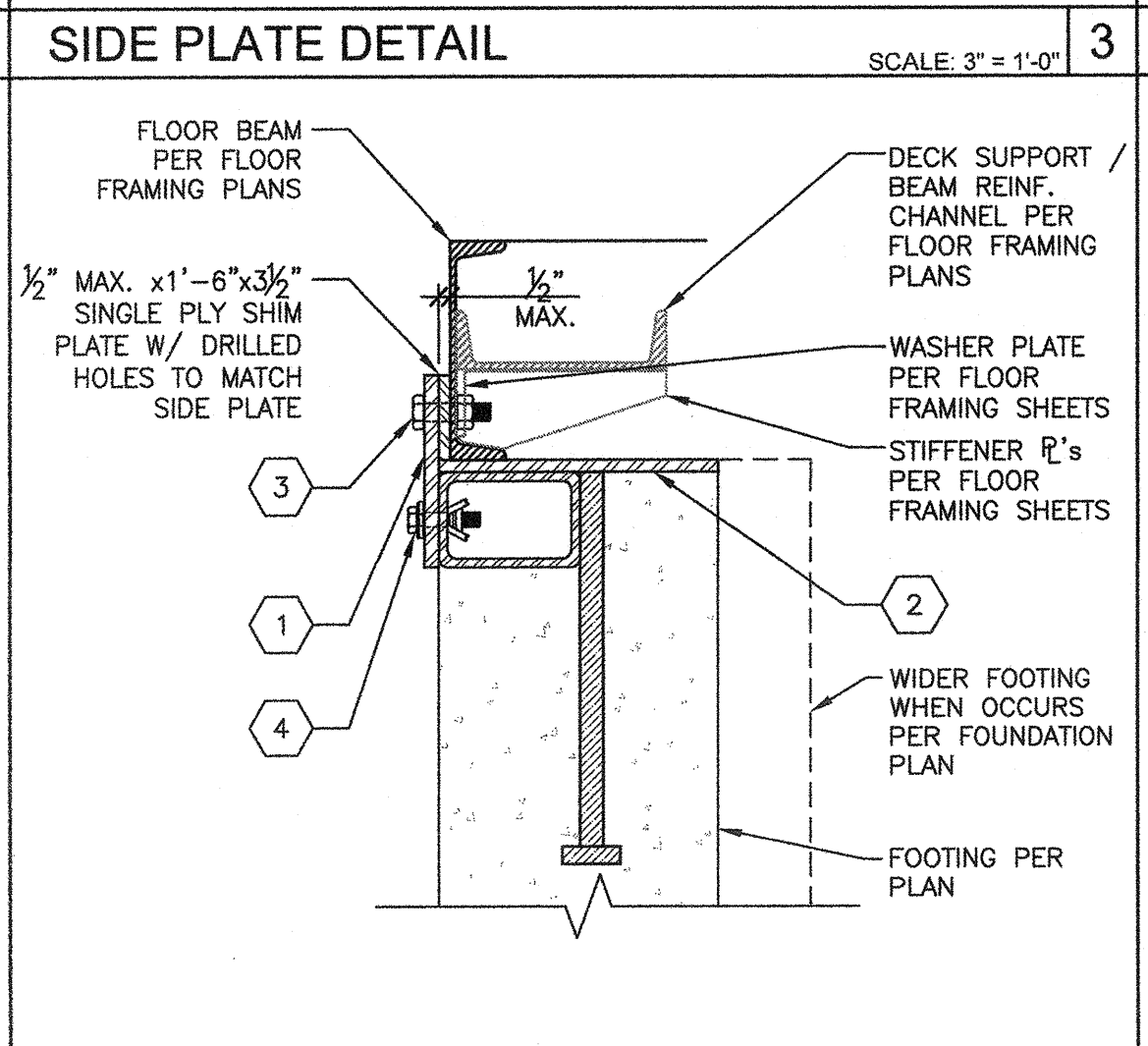
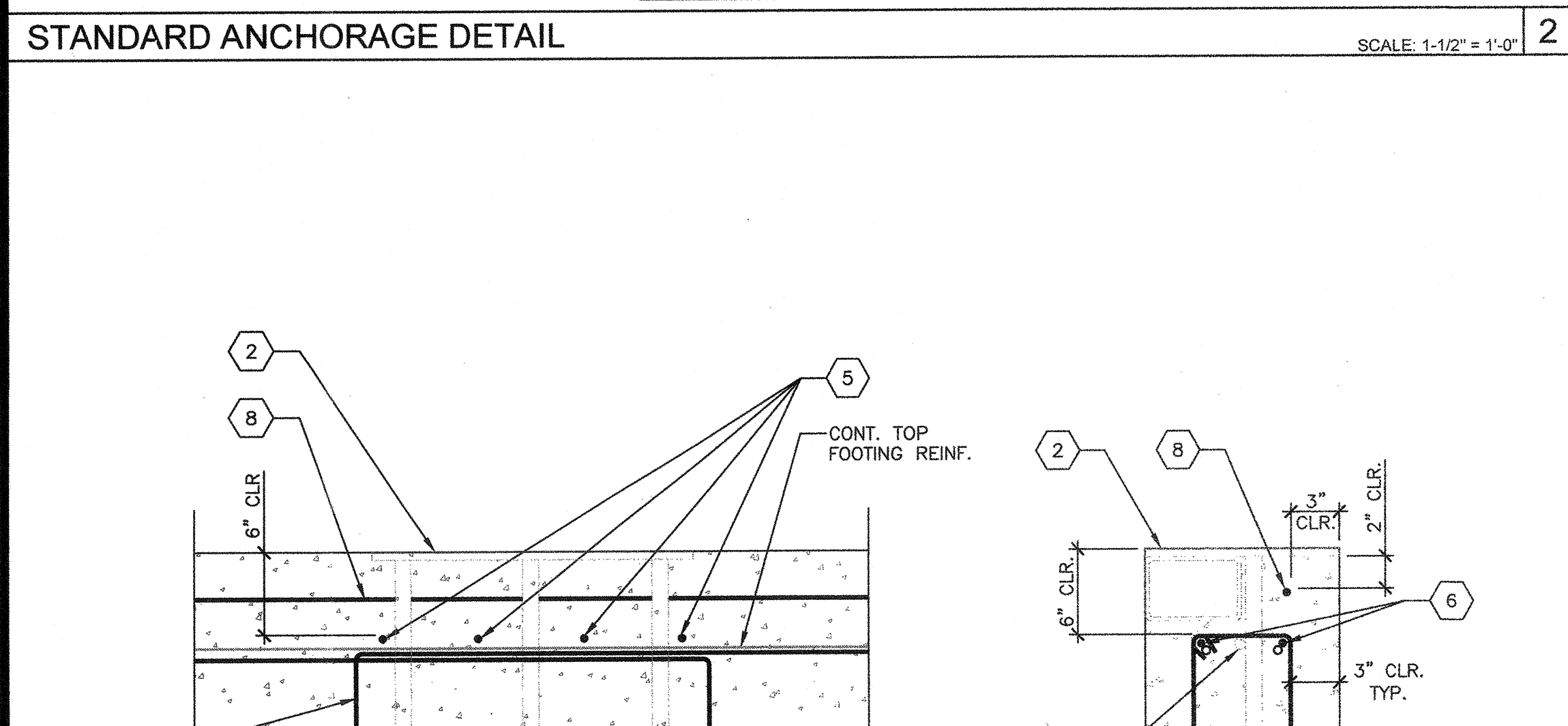
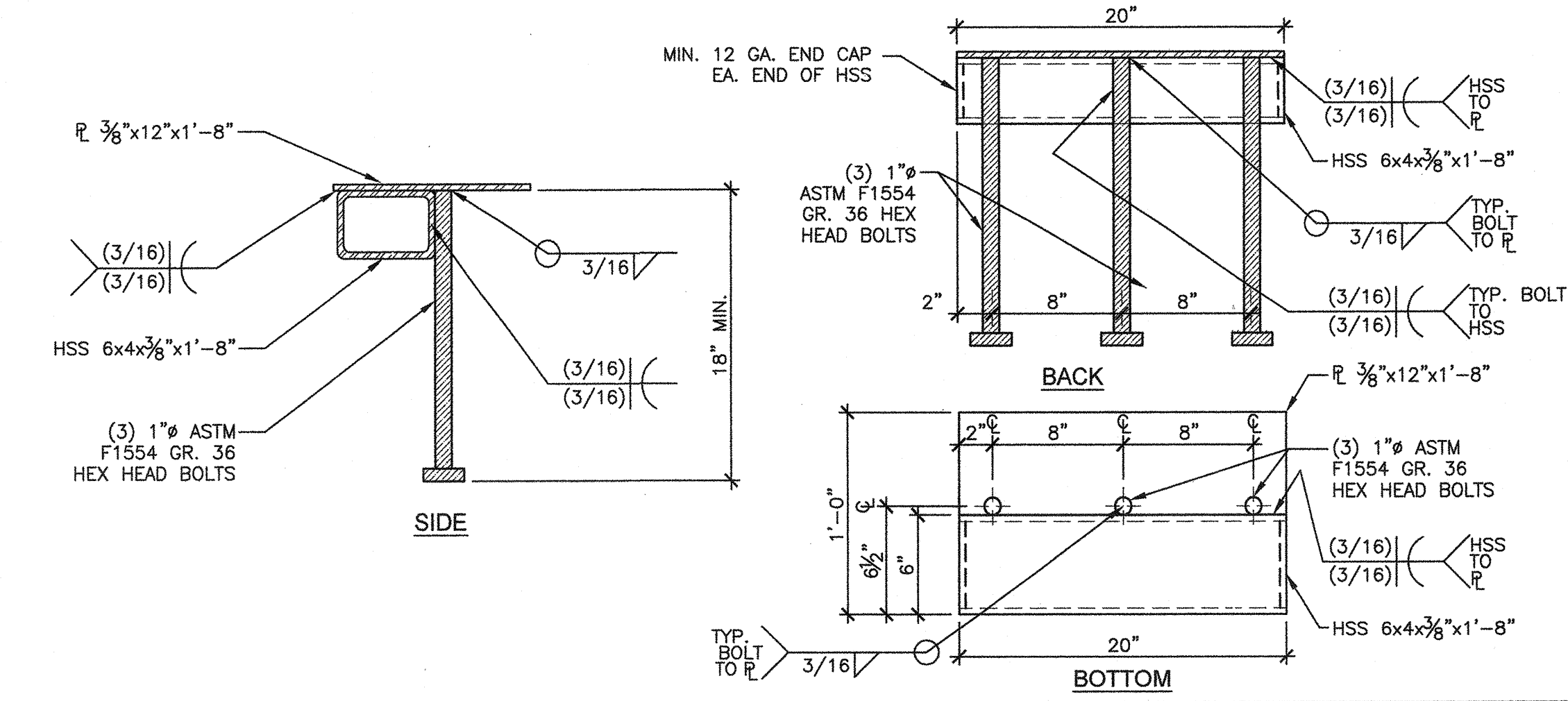
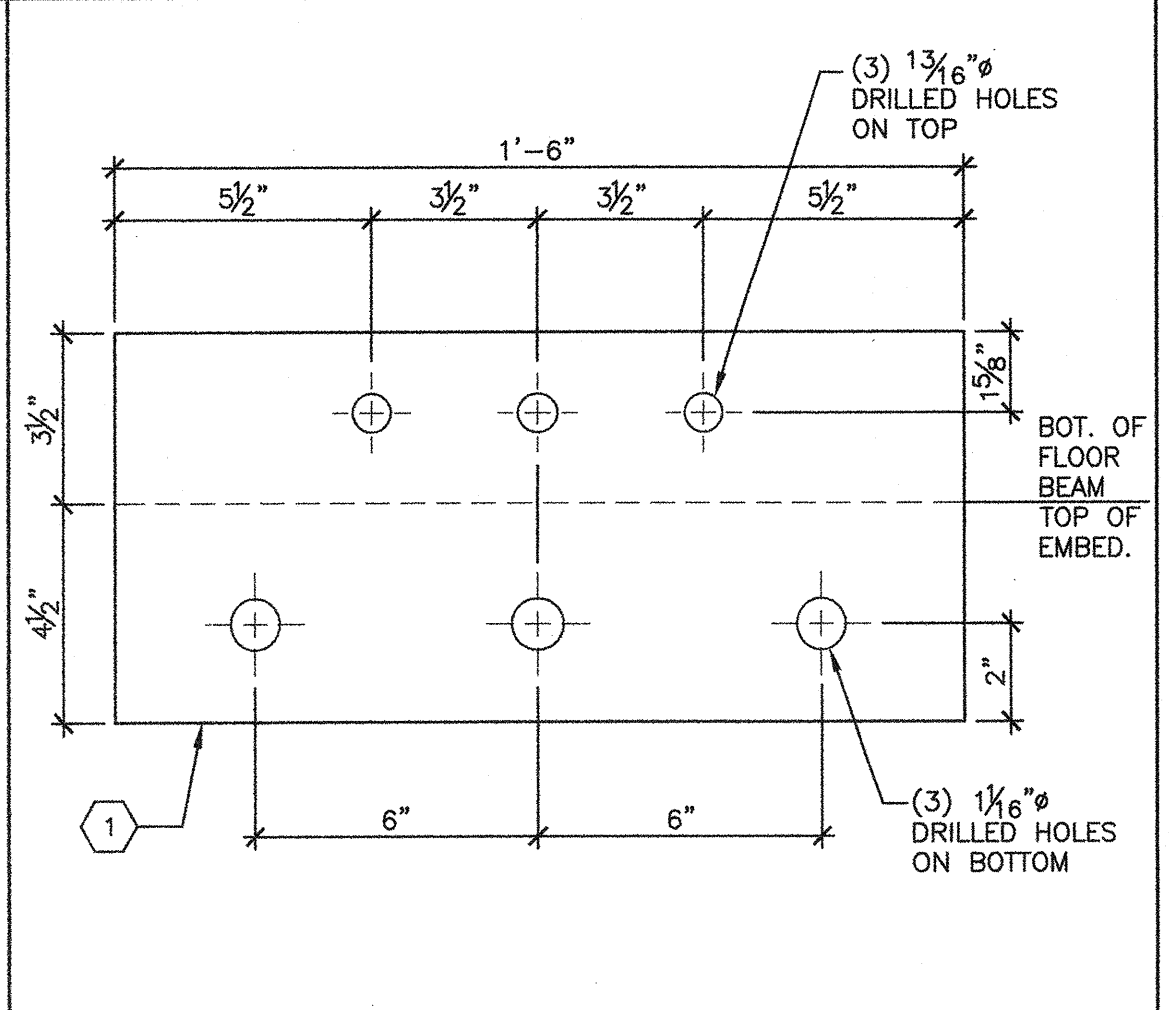
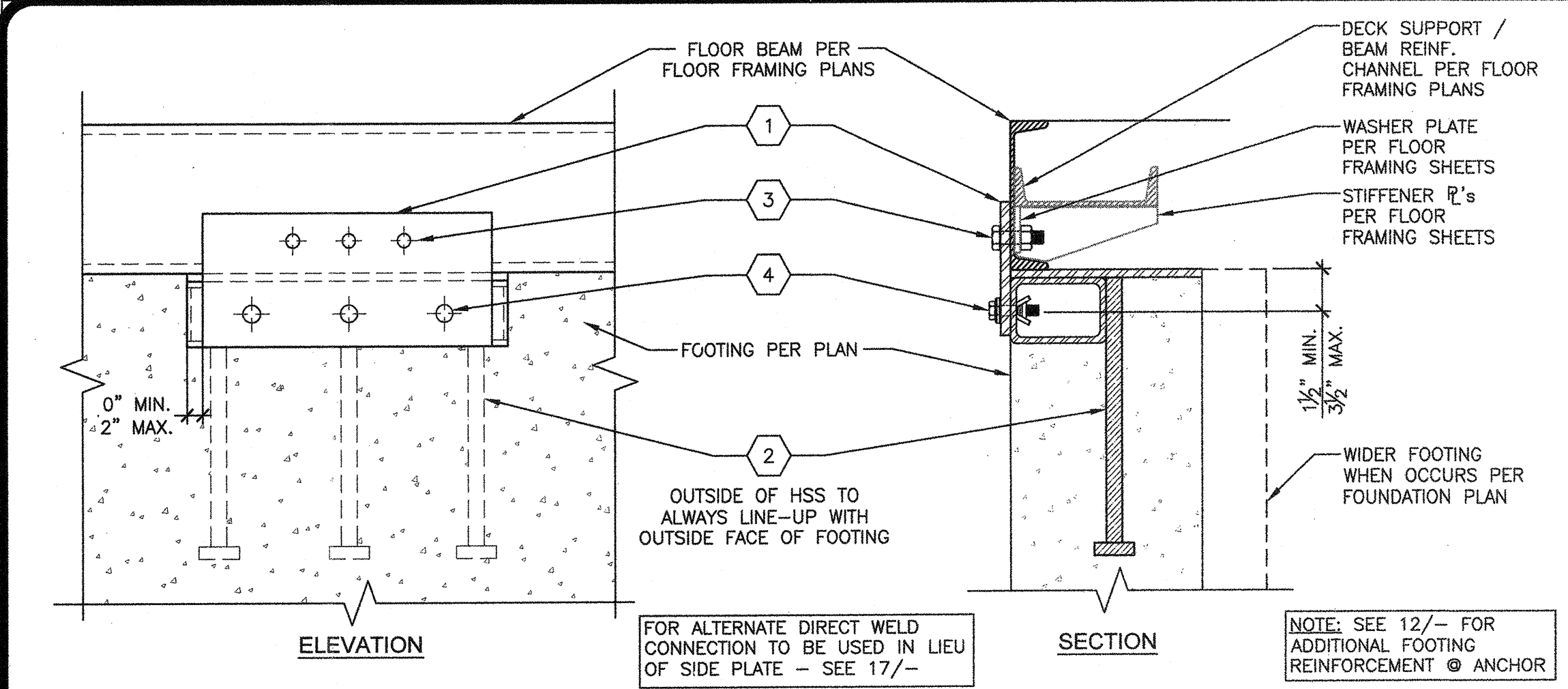
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 APPROX 119722
 AC - FLS - SS - BY
 DATE FEB 05 2019

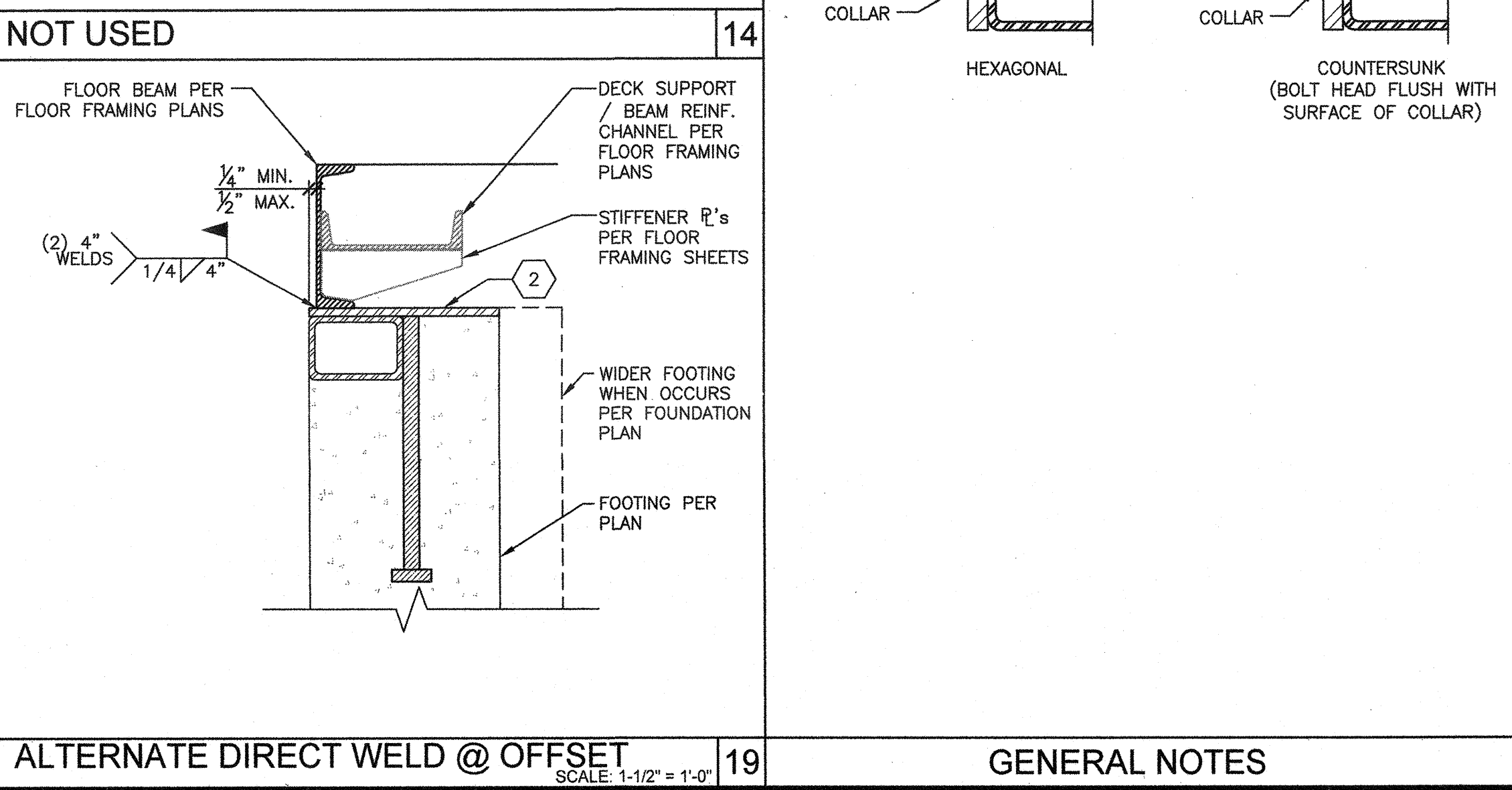
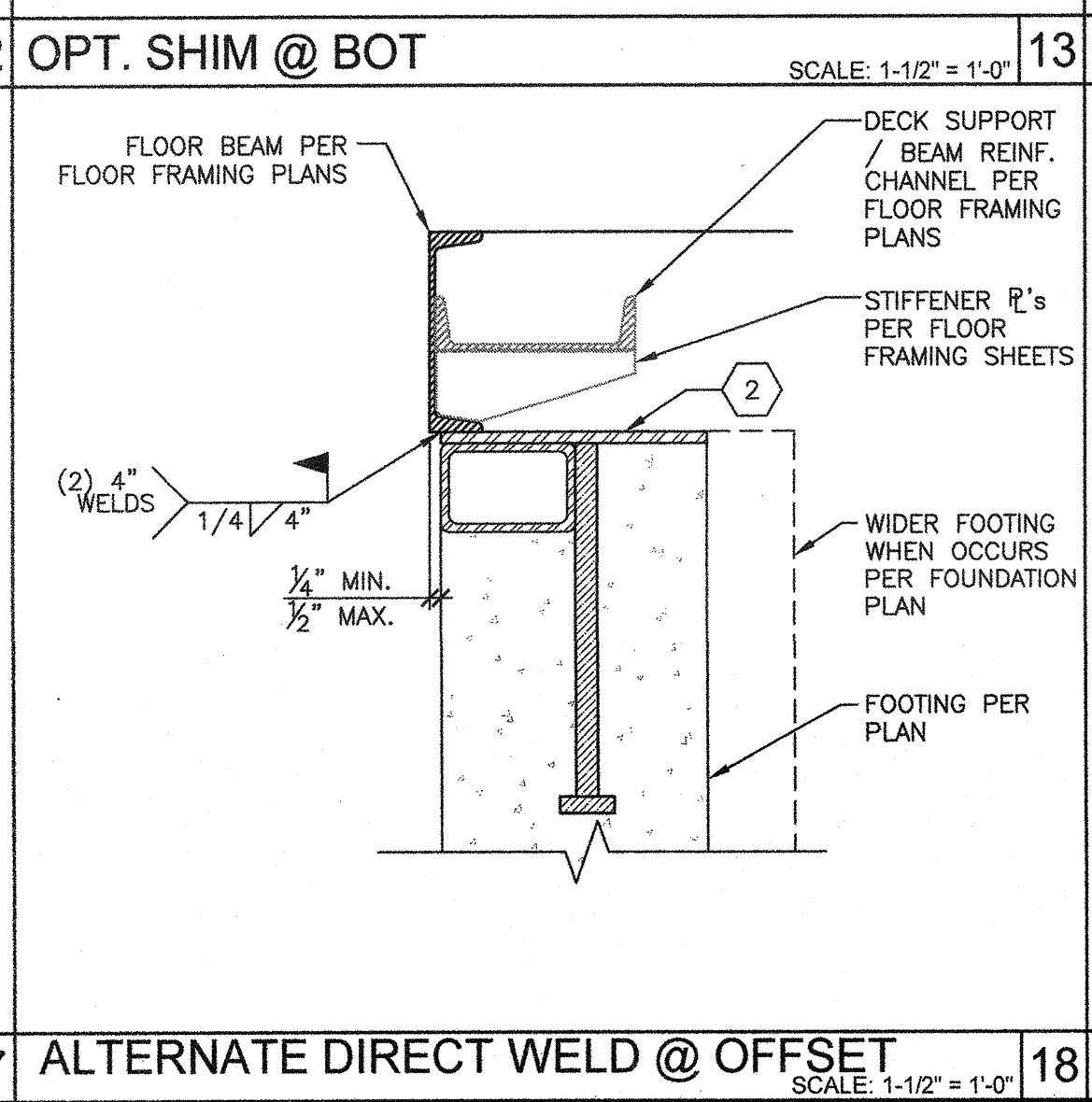
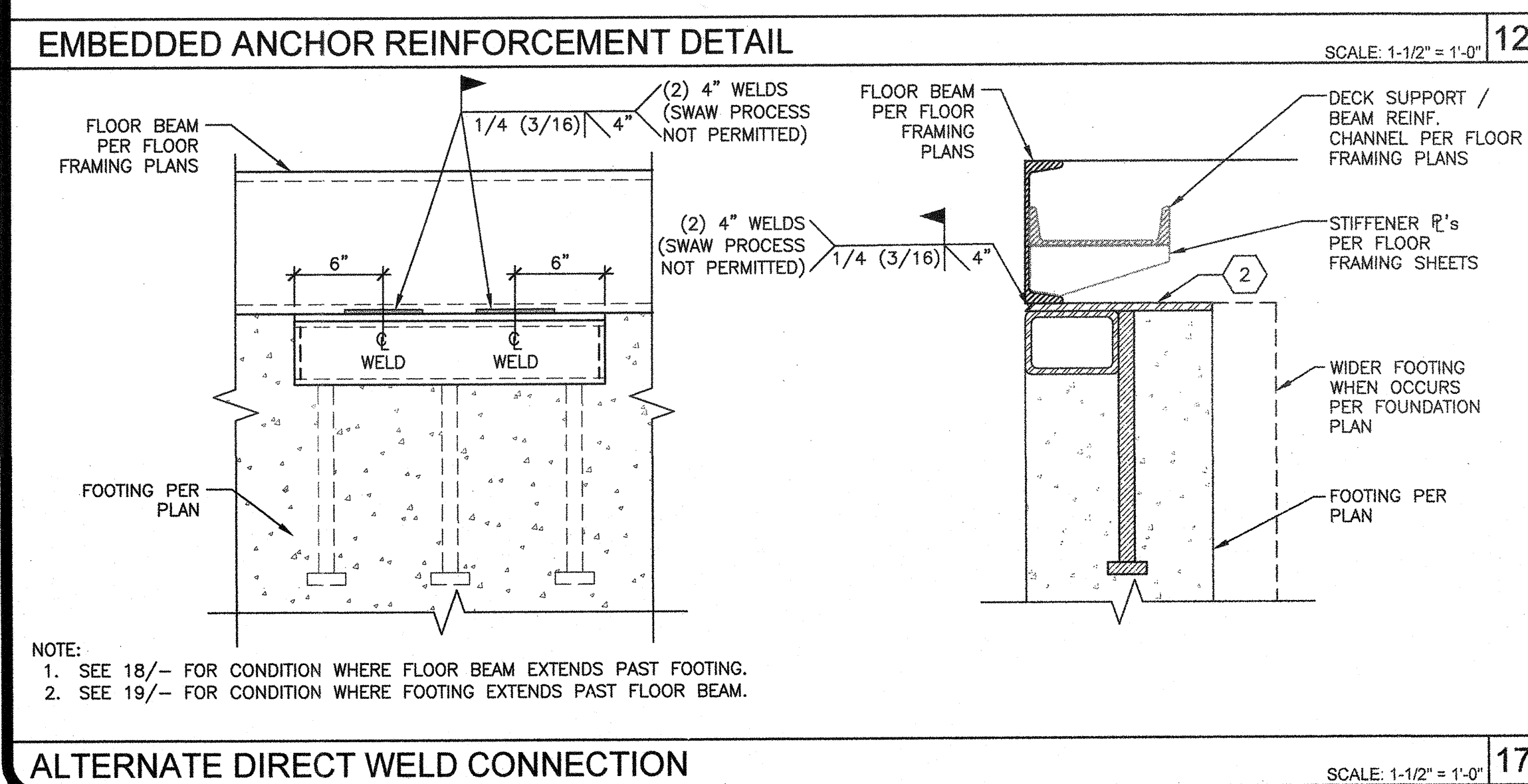
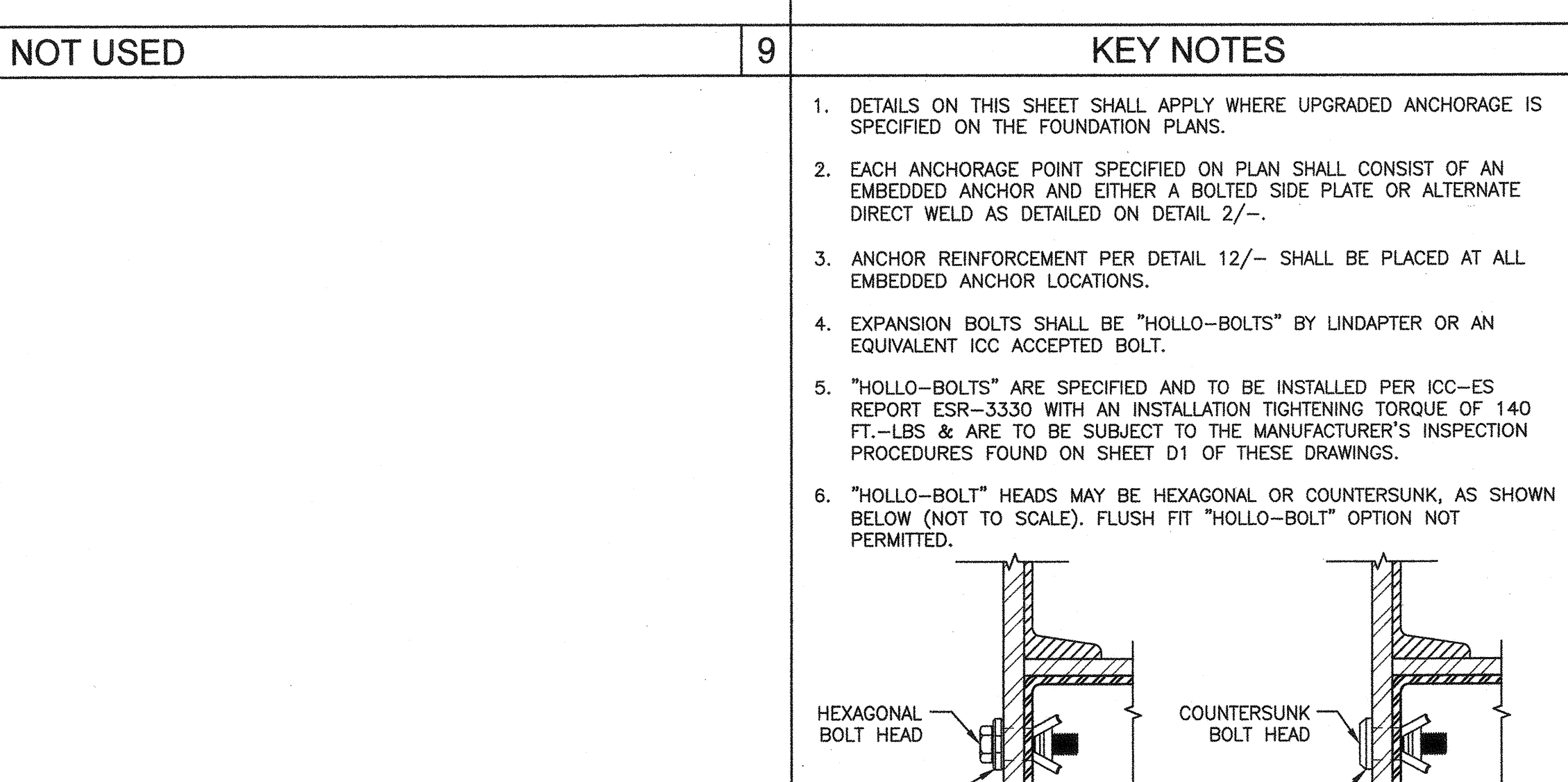
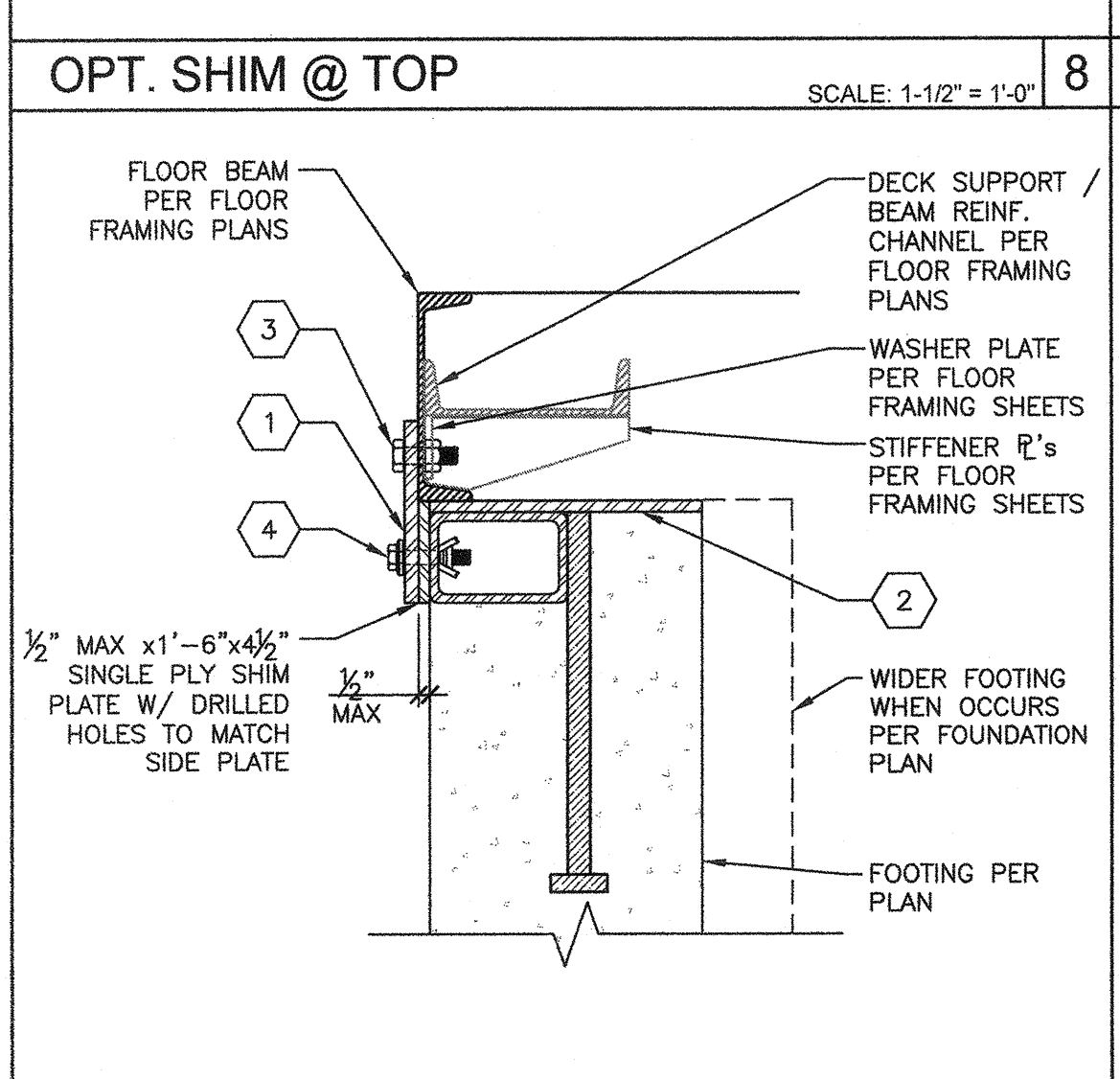
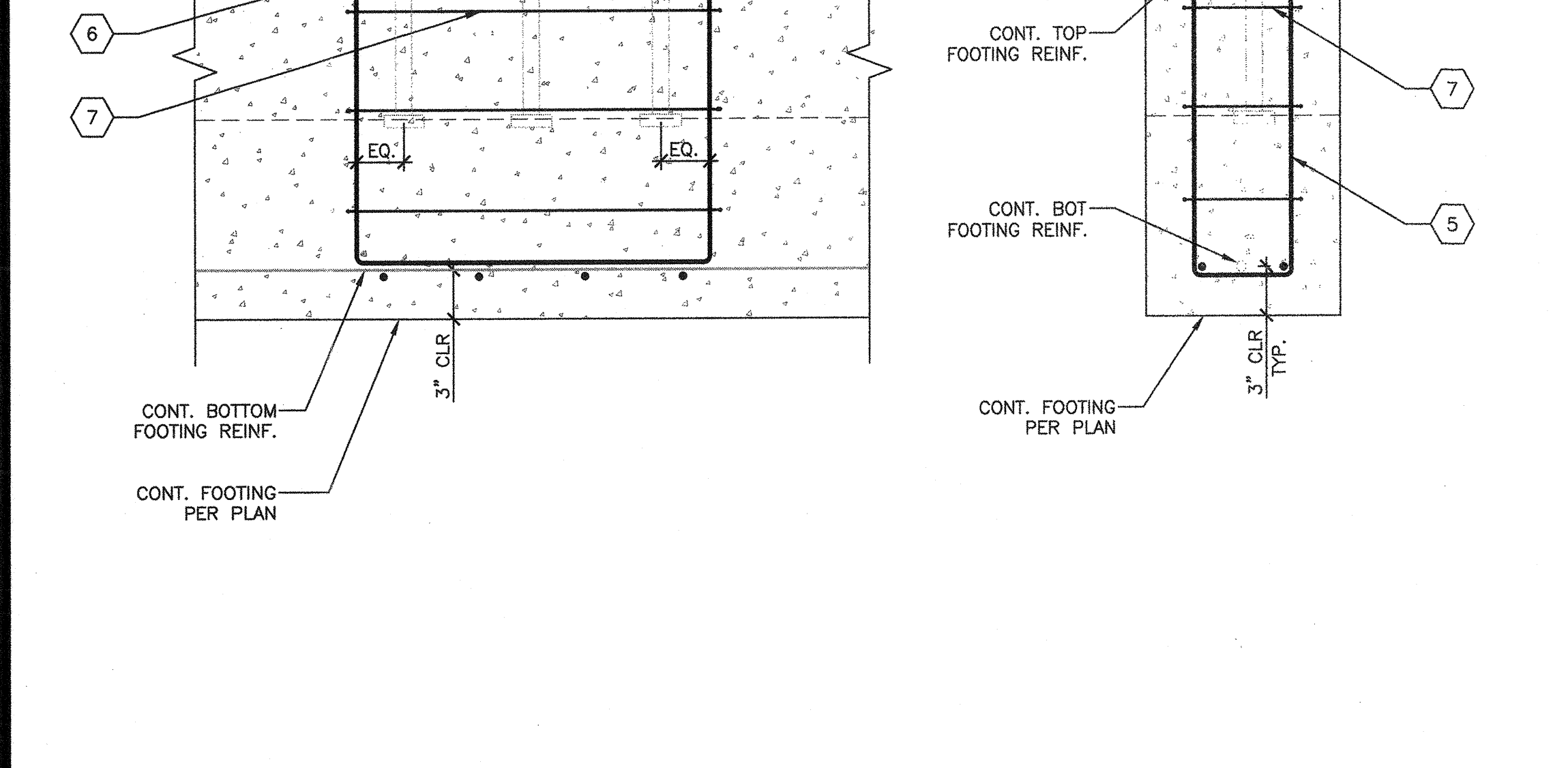
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 A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRED.

REVISIONS
 DRAWN BY:
 SCALE: AS NOTED
 DATE:
 SHEET NUMBER
 S1.6A

GENERAL NOTES



- KEY NOTES**
- 1/2"x8"x1'-8" (36 KSI) OR 3/8"x8"x1'-6" (50 KSI) SIDE PLATE. LOCATION PER PLAN - SEE 3/-
 - EMBEDDED ANCHOR. LOCATION PER PLAN - SEE 5/-
 - (3) 3/4" M.B. THRU-BOLTED THROUGH SIDE PLATE & FLOOR BEAM w/ 1 1/2" HOLES - SEE 8/- FOR OPTIONAL SHIM DETAIL.
 - (3) 5/8" LHM16 "HOLLO-BOLT" EXPANSION BOLTS PER ICC ESR-3330 THROUGH SIDE PLATE INTO THE HSS OF THE EMBEDDED ANCHOR w/ 1 1/2" HOLES - SEE GENERAL NOTES FOR SPECS. & INSTALLATION REQUIREMENTS. - SEE 13/- FOR OPTIONAL SHIM DETAIL.
 - (3) #4 VERTICAL HOOPS PER 5/S1.4 EVENLY SPACED @ ANCHORS.
 - (2) #4 BENT BARS CENTERED ON ANCHORS - (1) EA. SIDE OF ANCHORS.
 - #3 HORIZONTAL HOOPS PER 5/S1.4 @ 6" O.C.
 - ADDITIONAL #5x8'-0" CENTERED @ ANCHOR. BEND DOWN @ VENTS OR AROUND PERIMETER @ CORNERS.
- * BEND DOWN @ VENTS OR AROUND PERIMETER @ CORNER.

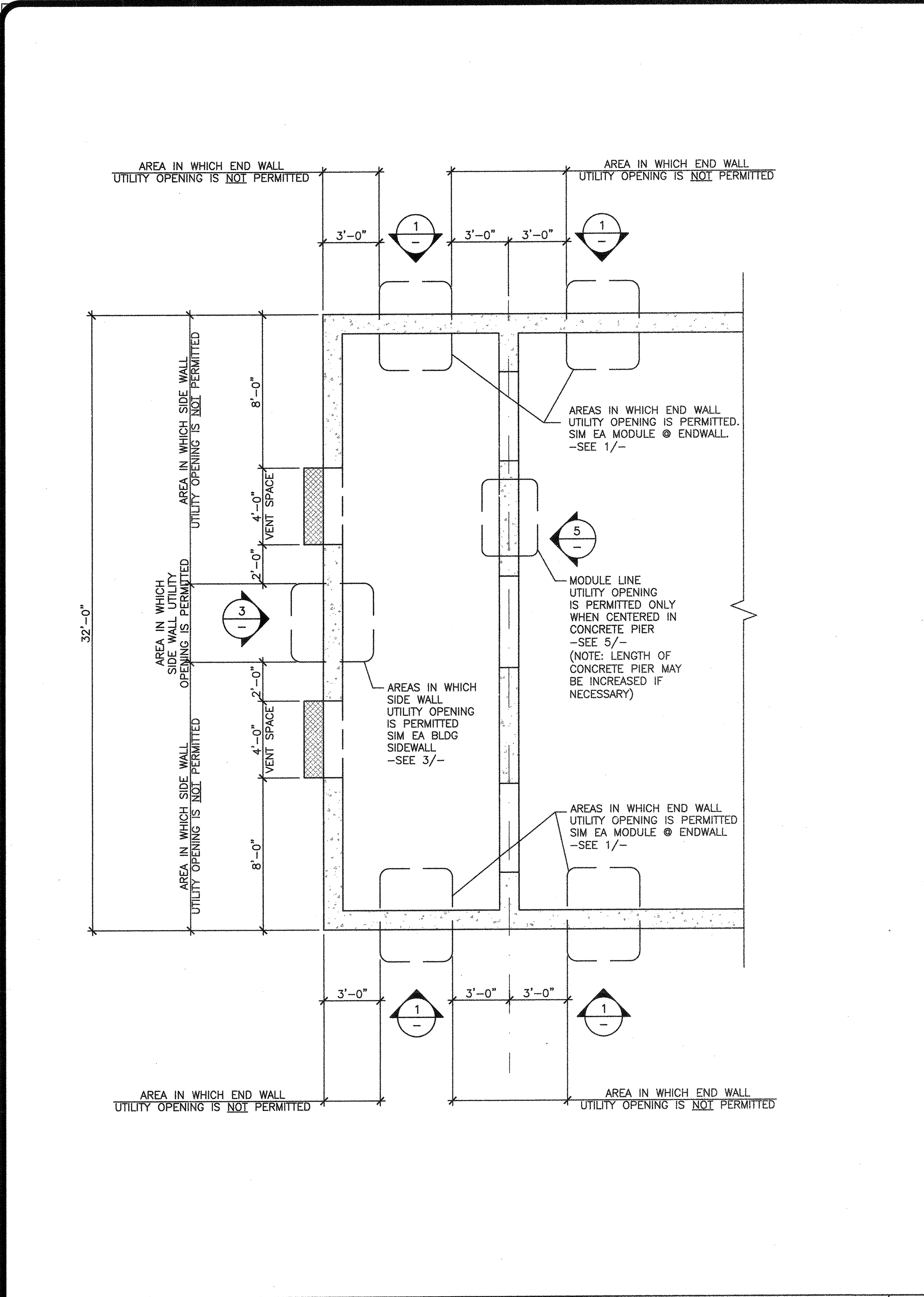


GENERAL NOTES

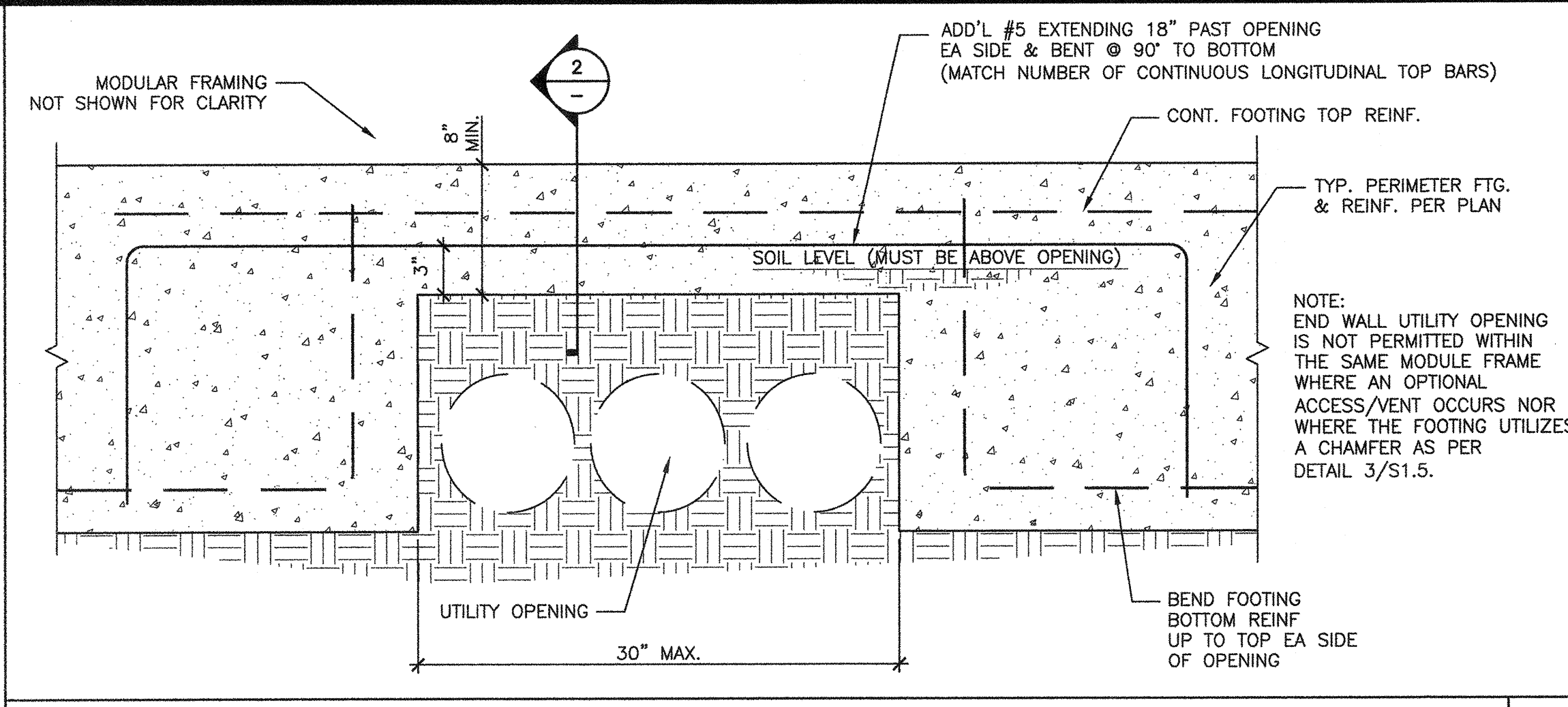
1. DETAILS ON THIS SHEET SHALL APPLY WHERE UPGRADED ANCHORAGE IS SPECIFIED ON THE FOUNDATION PLANS.
- EACH ANCHORAGE POINT SPECIFIED ON PLAN SHALL CONSIST OF AN EMBEDDED ANCHOR AND EITHER A BOLTED SIDE PLATE OR ALTERNATE DIRECT WELD AS DETAILED ON DETAIL 2/-.
- ANCHOR REINFORCEMENT PER DETAIL 12/- SHALL BE PLACED AT ALL EMBEDDED ANCHOR LOCATIONS.
- EXPANSION BOLTS SHALL BE "HOLLO-BOLTS" BY LINDAPTER OR AN EQUIVALENT ICC ACCEPTED BOLT.
- "HOLLO-BOLTS" ARE SPECIFIED AND TO BE INSTALLED PER ICC-ES REPORT ESR-3330 WITH AN INSTALLATION TIGHTENING TORQUE OF 140 FT-LBS & ARE TO BE SUBJECT TO THE MANUFACTURER'S INSPECTION PROCEDURES FOUND ON SHEET D1 OF THESE DRAWINGS.
- "HOLLO-BOLT" HEADS MAY BE HEXAGONAL OR COUNTERSUNK, AS SHOWN BELOW (NOT TO SCALE). FLUSH FIT "HOLLO-BOLT" OPTION NOT PERMITTED.

HEXAGONAL BOLT HEAD
COUNTERSUNK BOLT HEAD

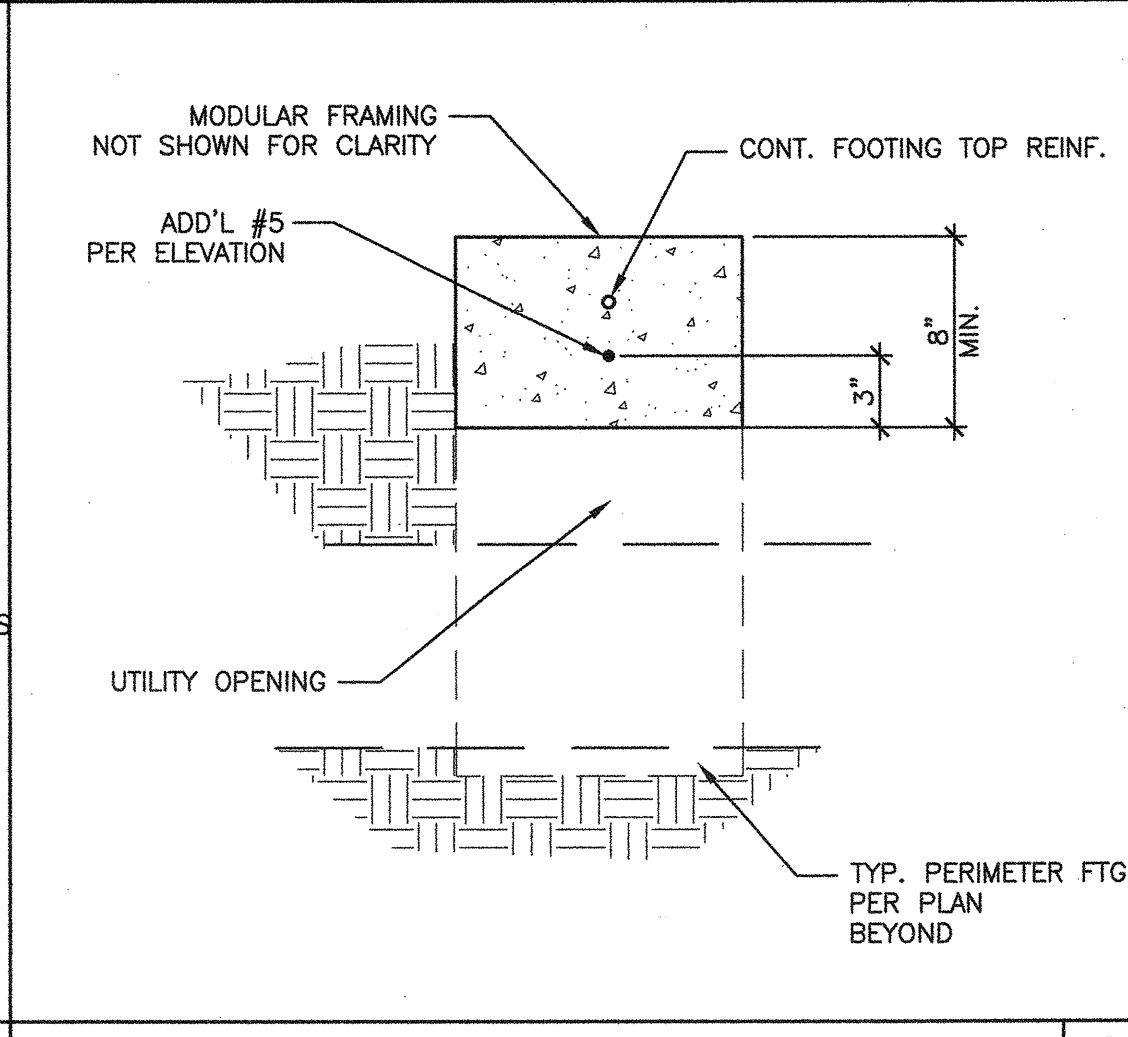
HEXAGONAL
COUNTERSUNK (BOLT HEAD FLUSH WITH SURFACE OF COLLAR)



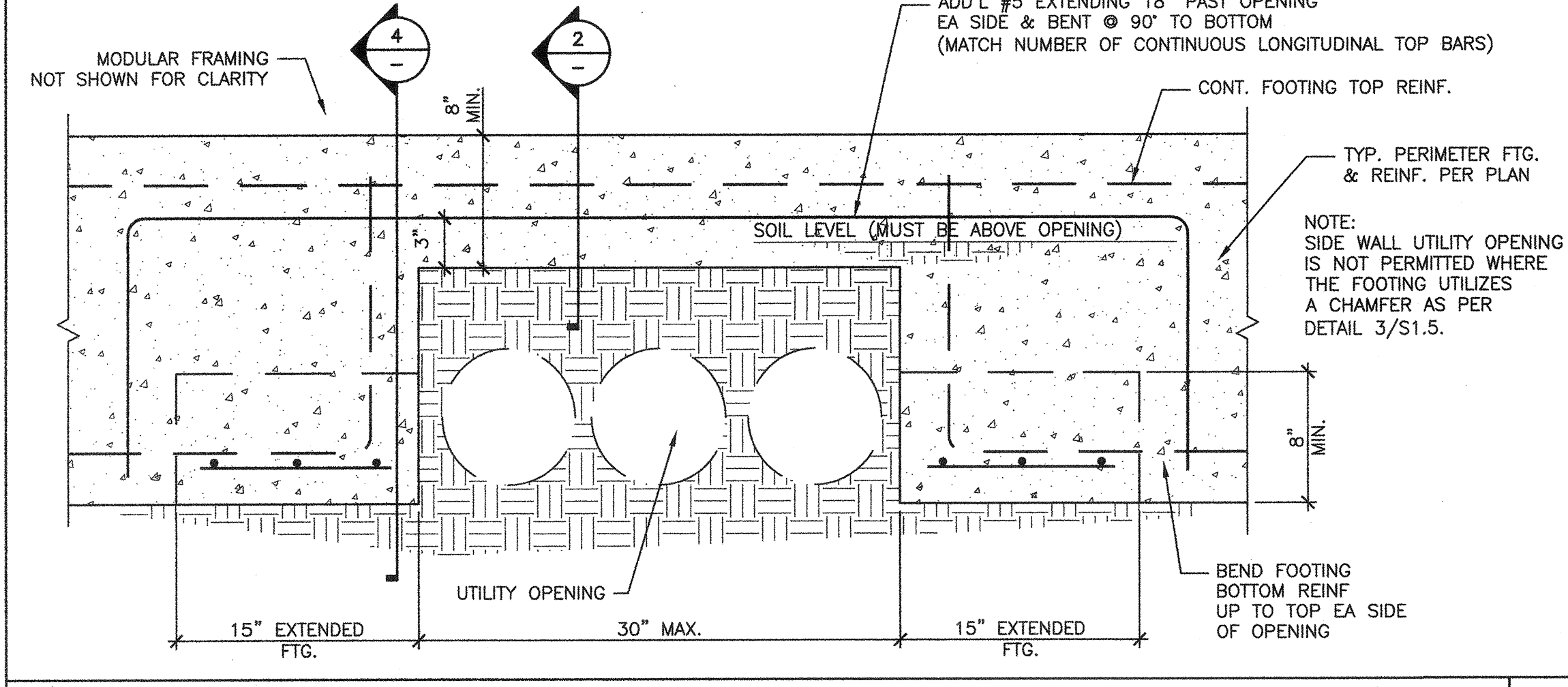
OPTIONAL UTILITY OPENINGS PLAN SCALE: 1/4"=1'-0" A



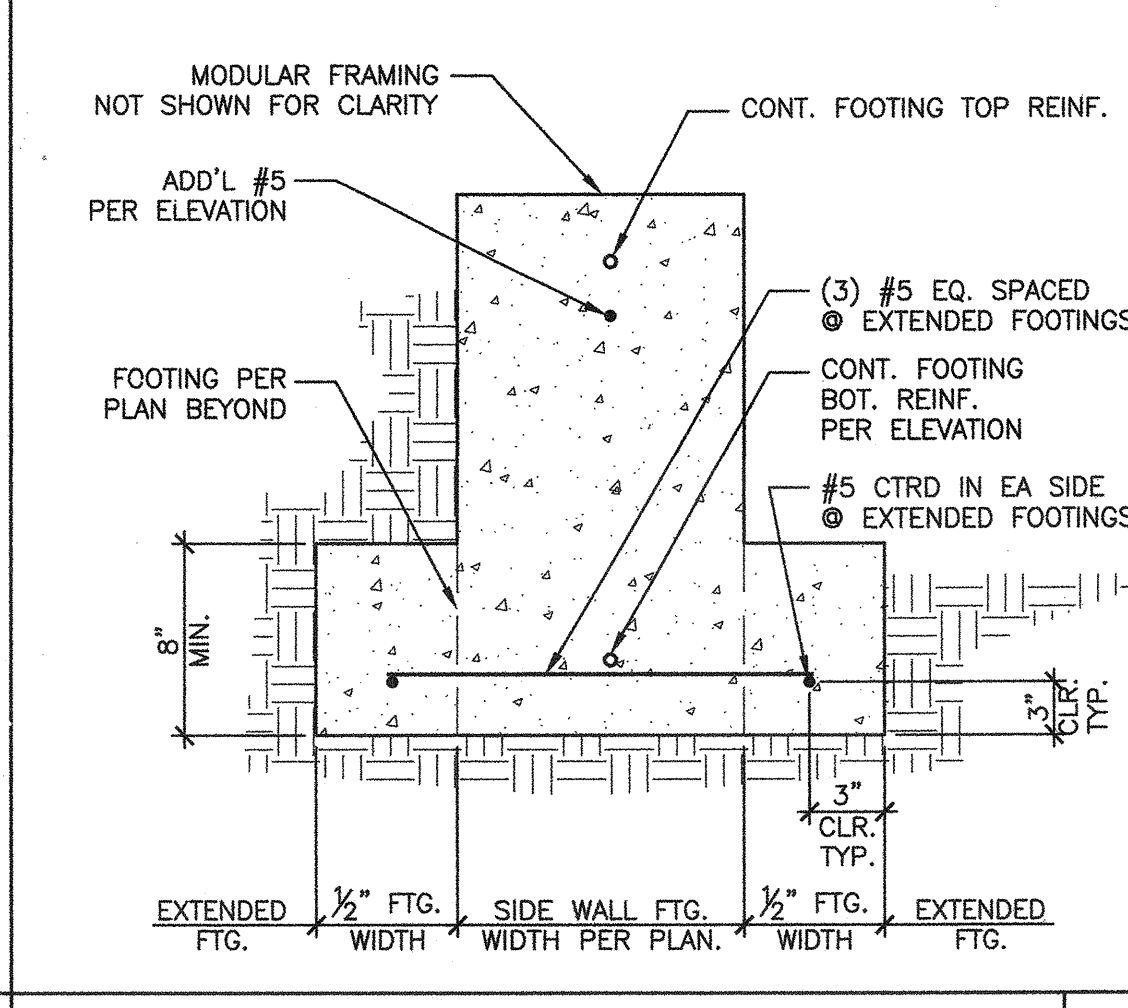
OPTIONAL UTILITY OPENINGS IN END WALL FOOTINGS SCALE: 1 1/2"=1'-0" 1



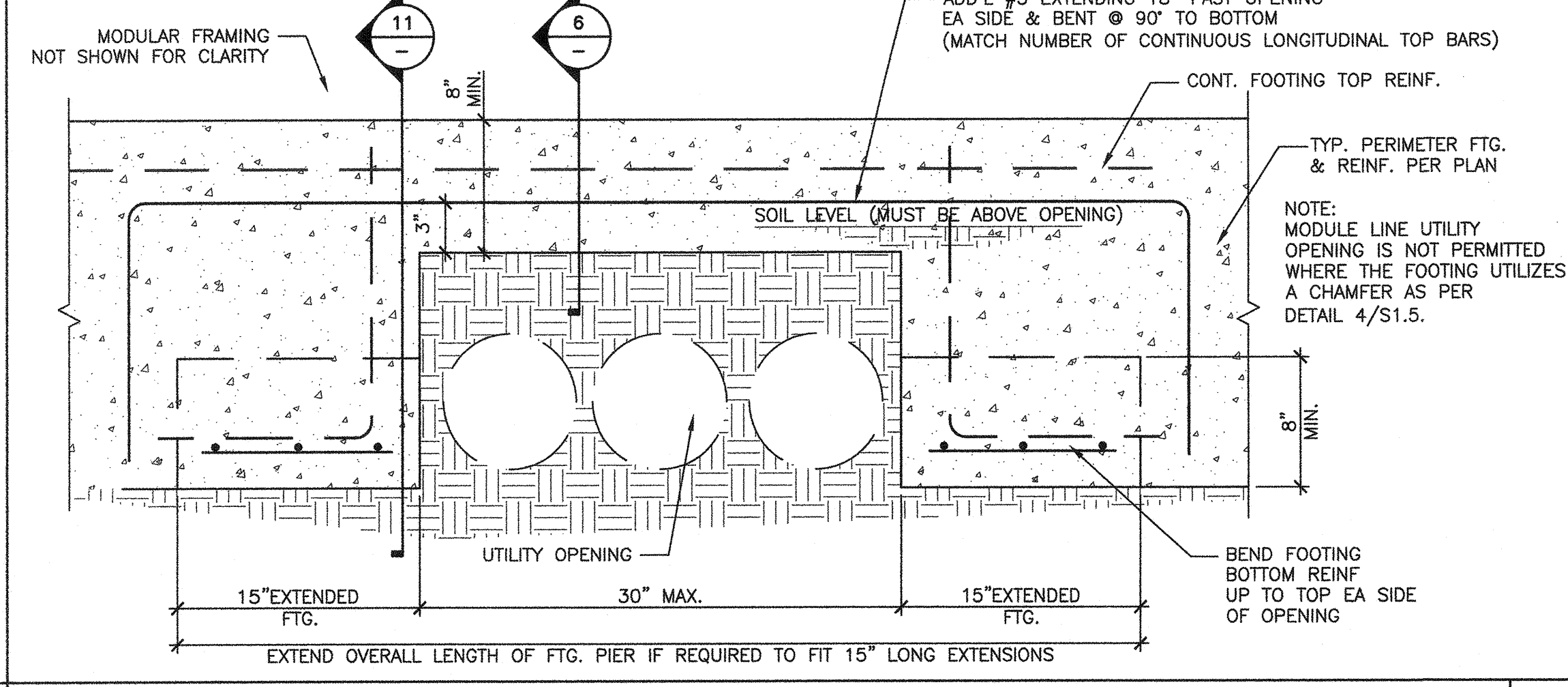
DETAIL SCALE: 1 1/2"=1'-0" 2



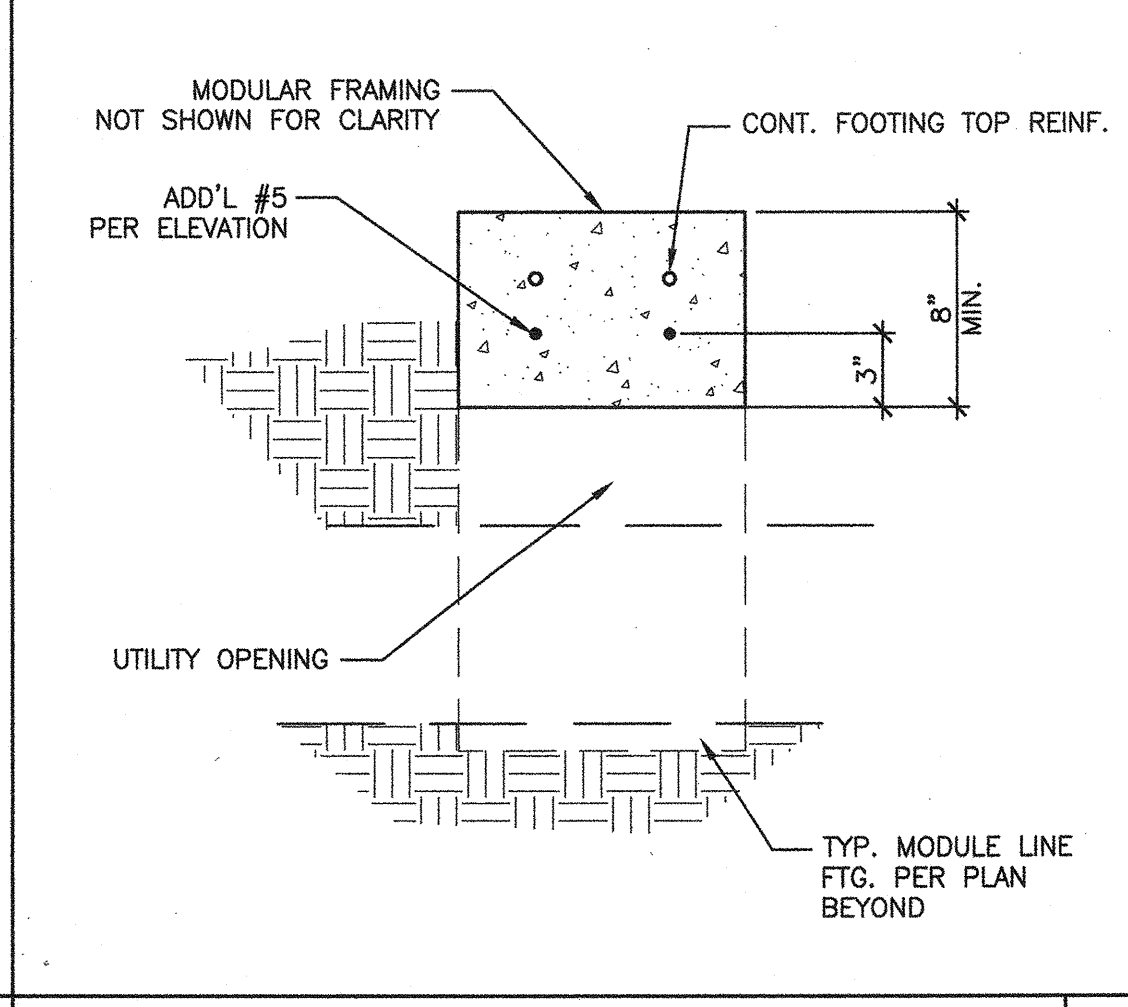
OPTIONAL UTILITY OPENINGS IN SIDE WALL FOOTINGS SCALE: 1 1/2"=1'-0" 3



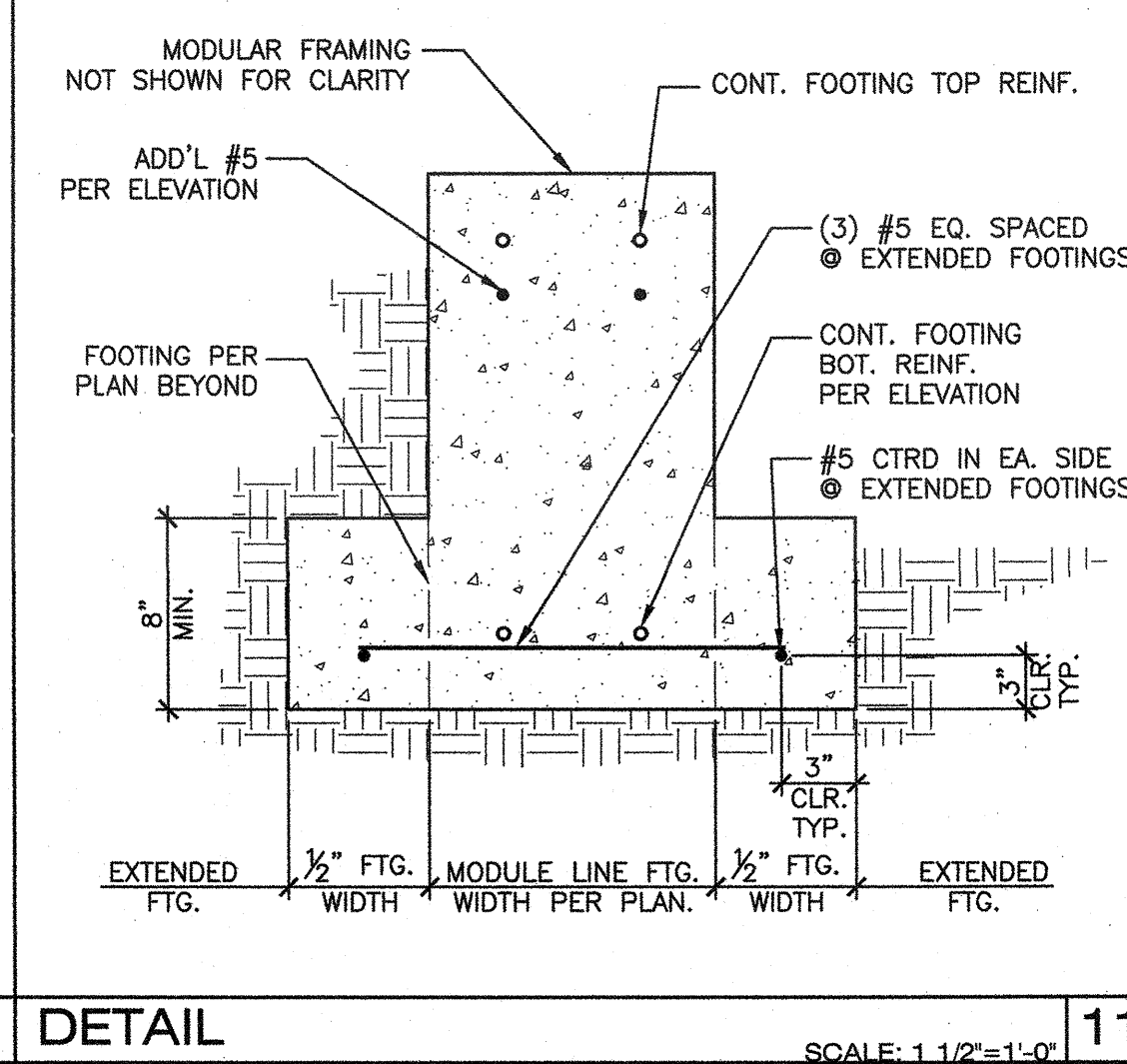
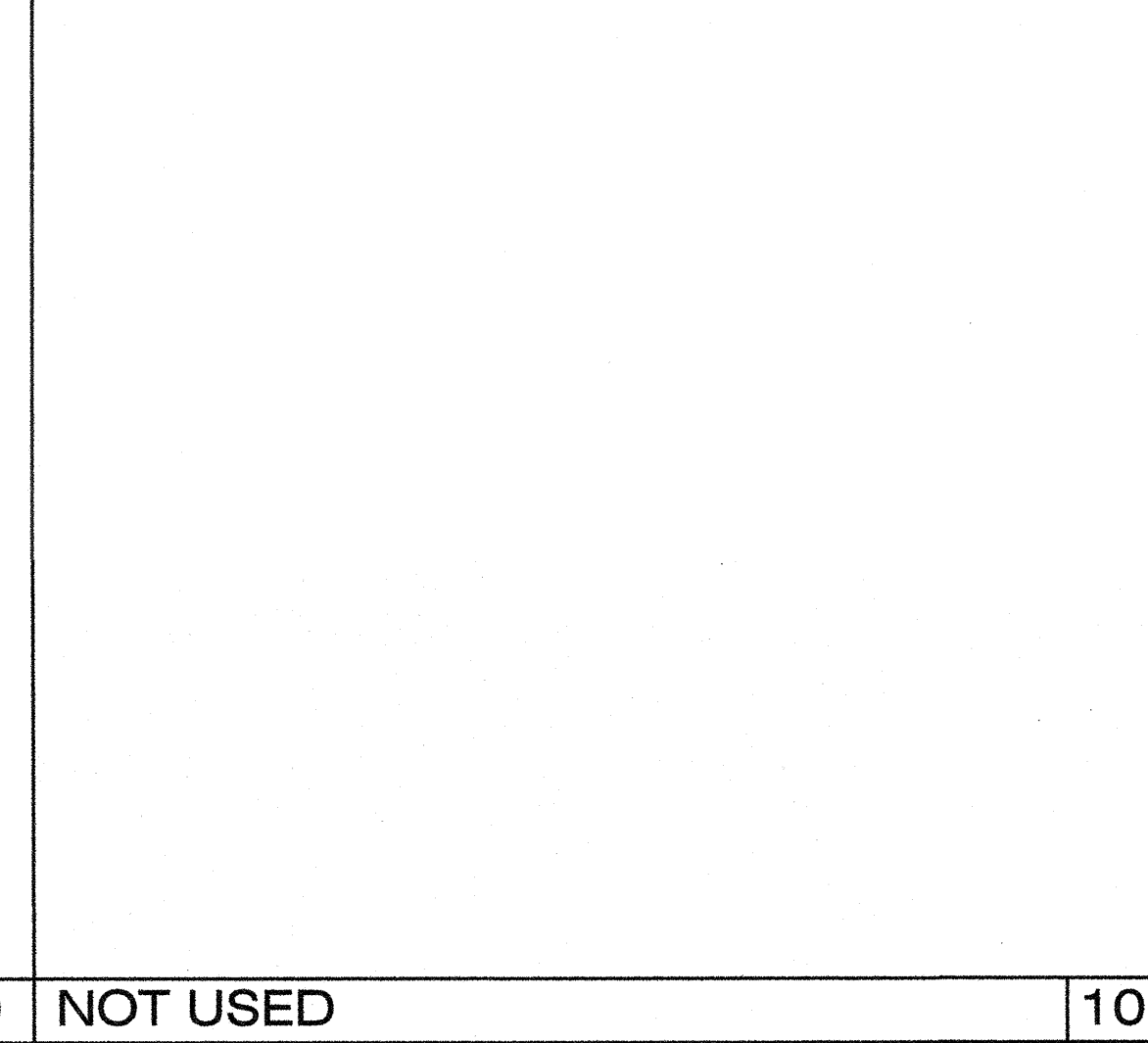
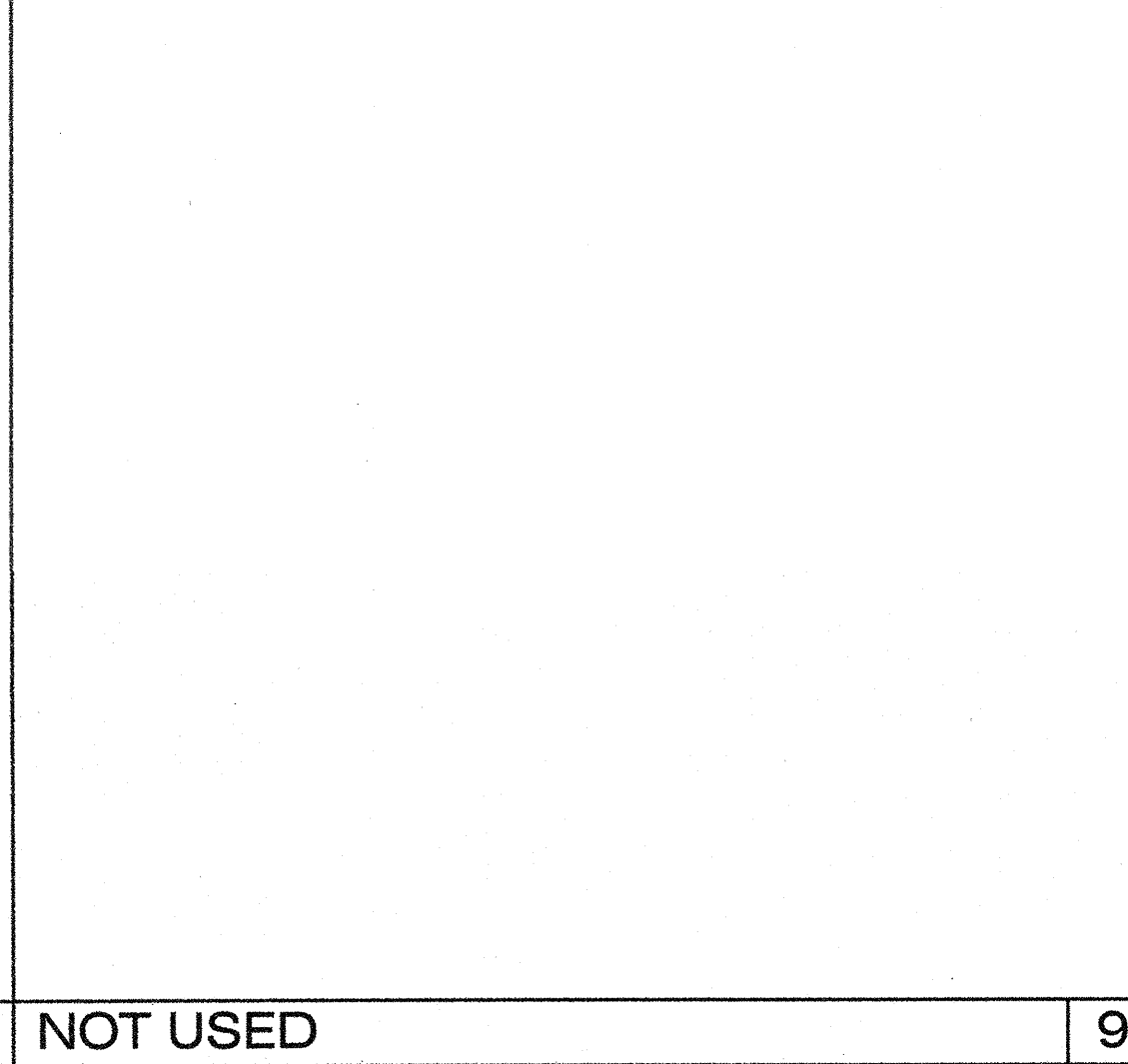
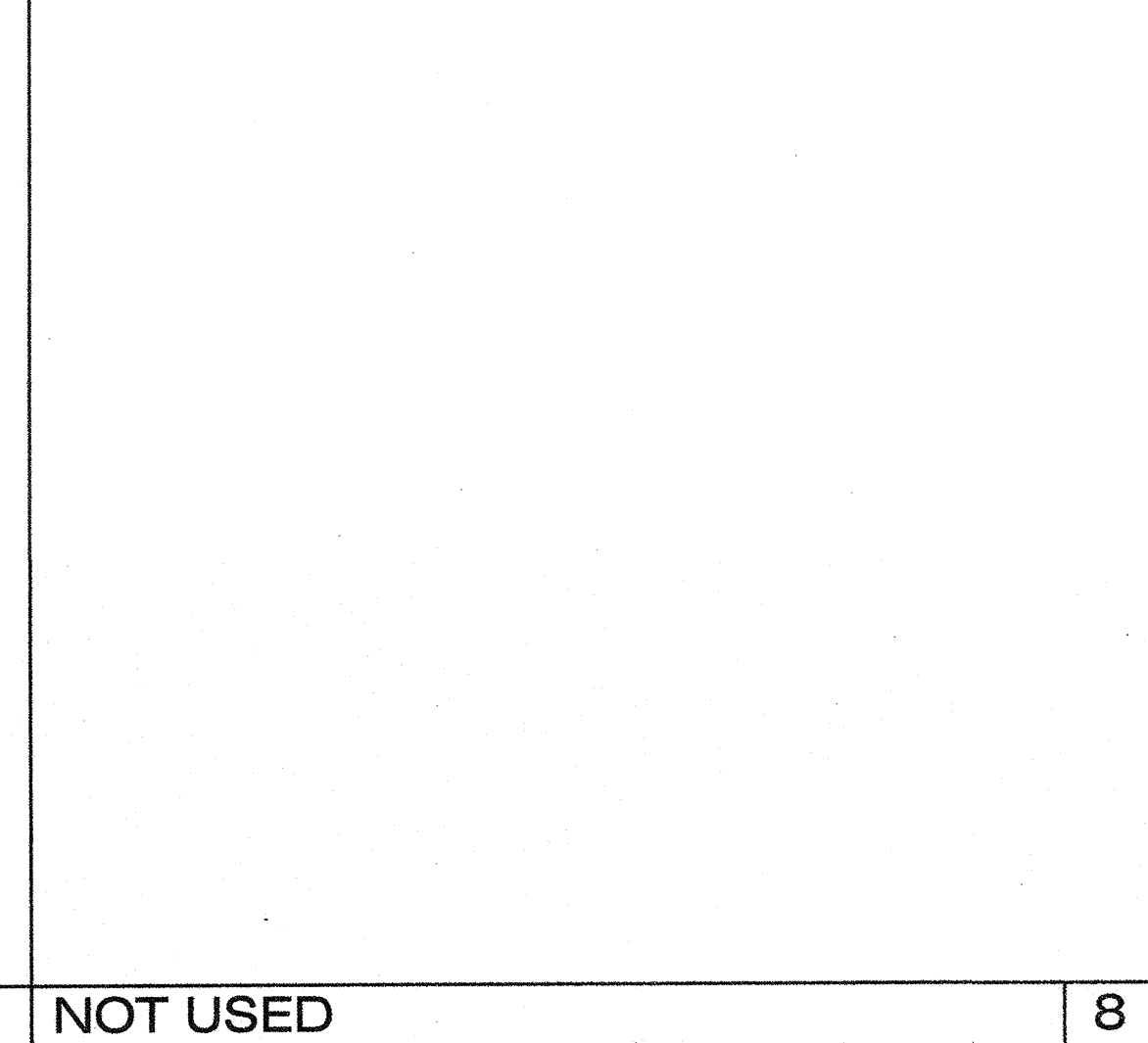
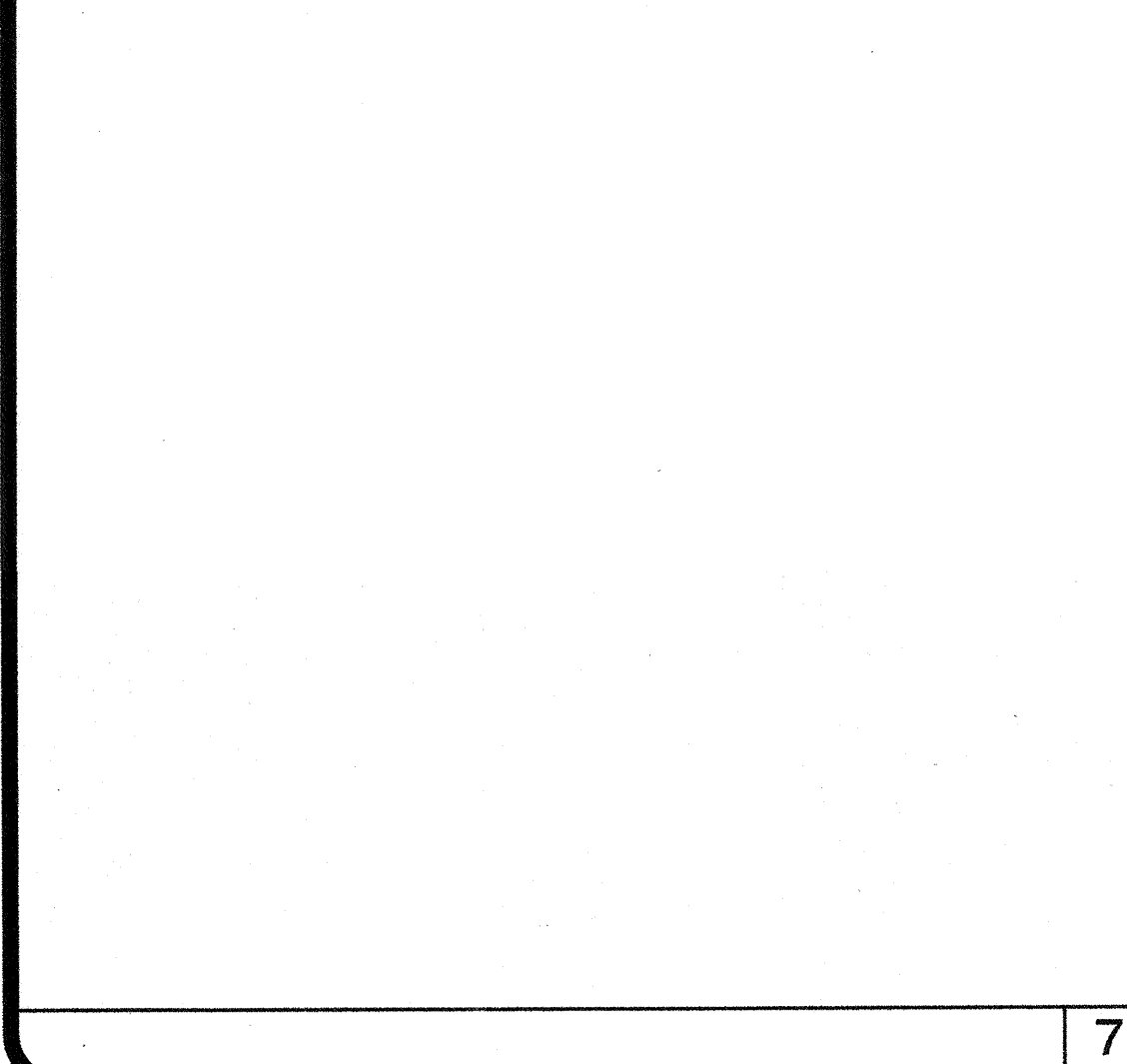
DETAIL SCALE: 1 1/2"=1'-0" 4



OPTIONAL UTILITY OPENINGS IN MODULE LINE FOOTINGS SCALE: 1 1/2"=1'-0" 5



DETAIL SCALE: 1 1/2"=1'-0" 6



AMS
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787 Sprackelle Ave., Manteca, CA 95336
Phone (209) 825-1921 - Fax (209) 825-7018
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30x32' THRU 150x32' BUILDINGS

Gen7
healthy schools, delivered

SITE SPECIFIC PROJECT NAME

SHEET TITLE
**CONCRETE FOUNDATION
OPTIONAL UTILITY
OPENINGS IN FOOTINGS**

MANUFACTURER PROFESSIONAL OF RECORD ON PC

Licensed Architect
PATRICK CHEN
No. 53118
Exp. 8/31/18
STATE OF CALIFORNIA

REGISTERED PROFESSIONAL ENGINEER
No. 6322
ROBERT J. JAMES
STATE OF CALIFORNIA

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AC FLS SS BY
DATE FEB 05 2010

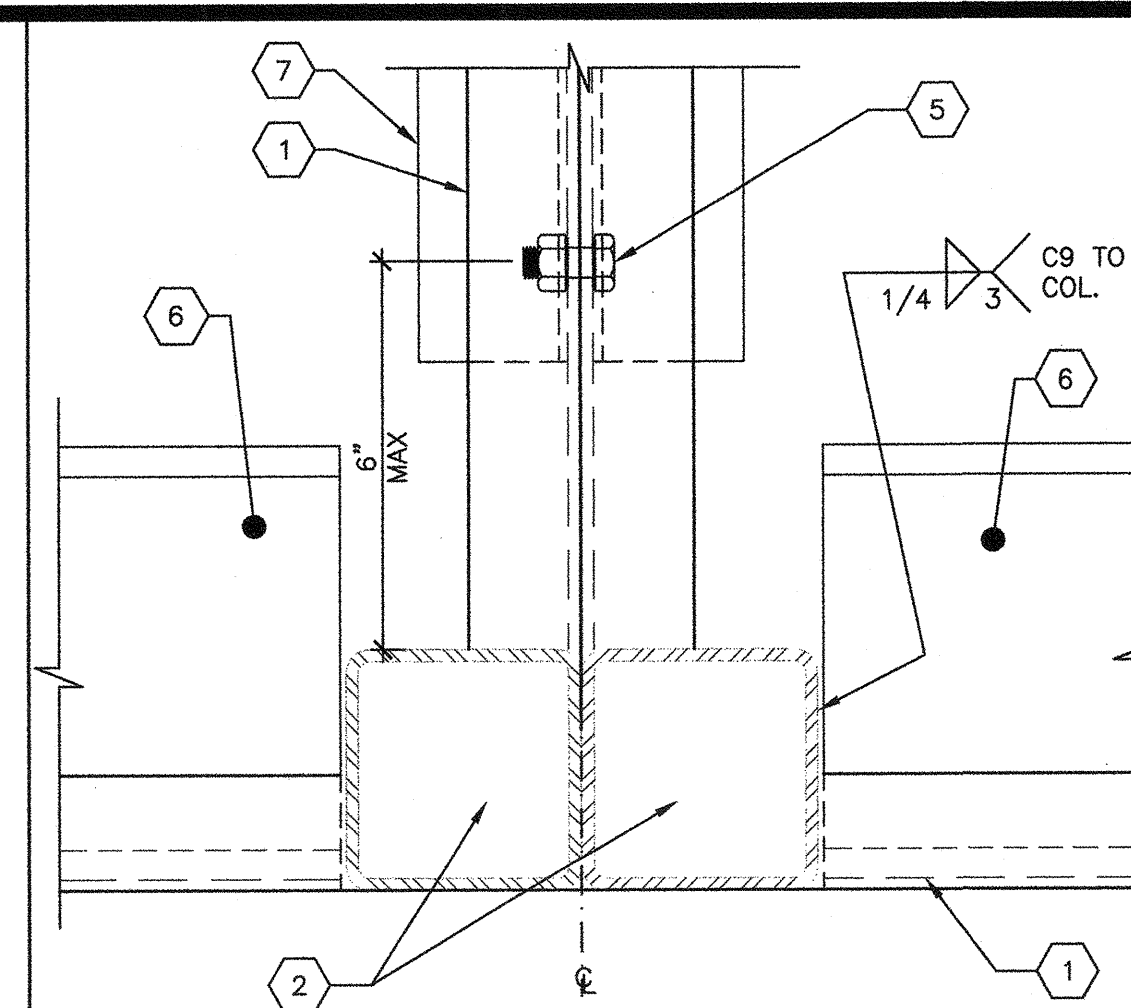
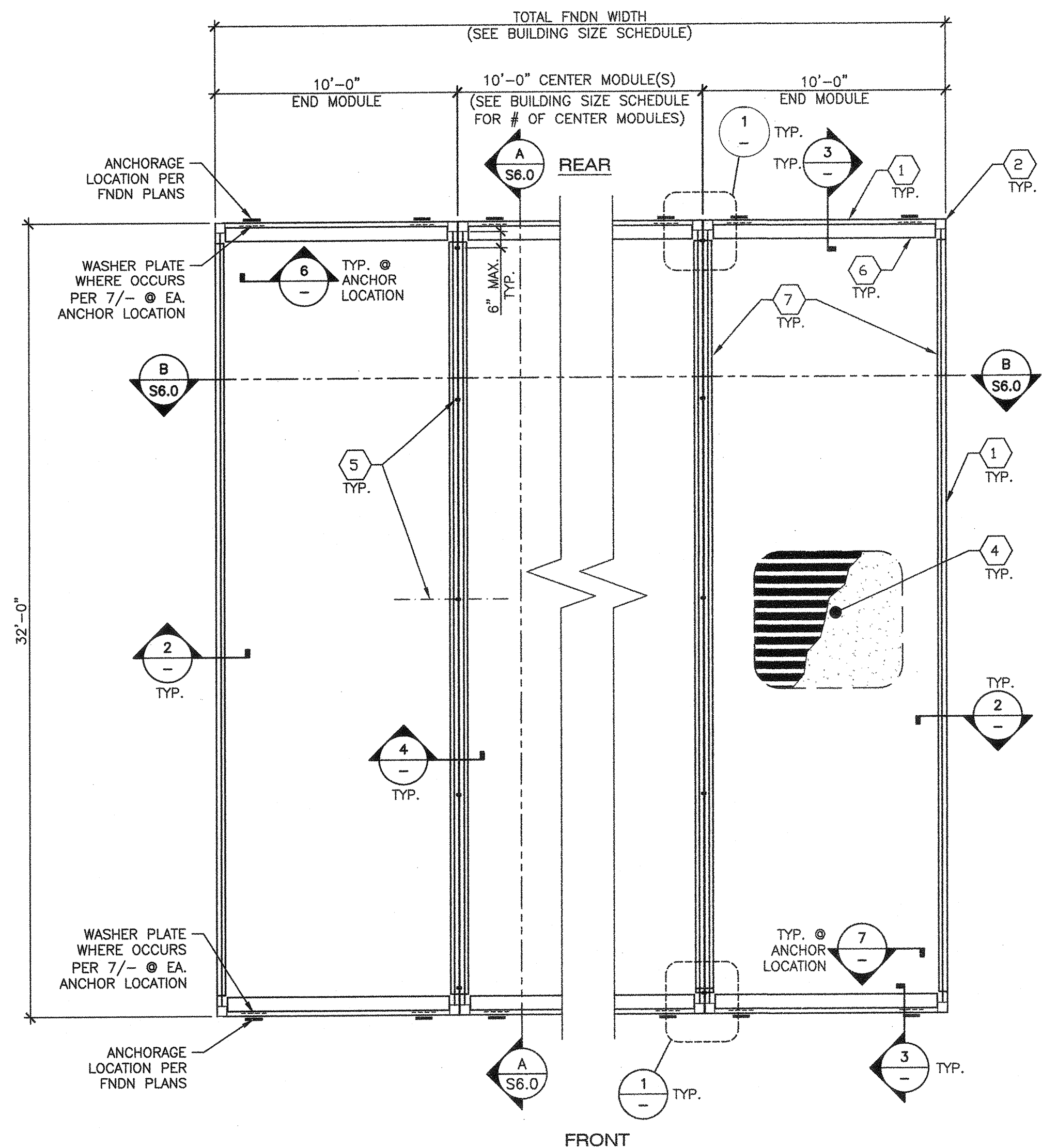
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REVISIONS

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SCALE: AS NOTED
DATE: SHEET NUMBER

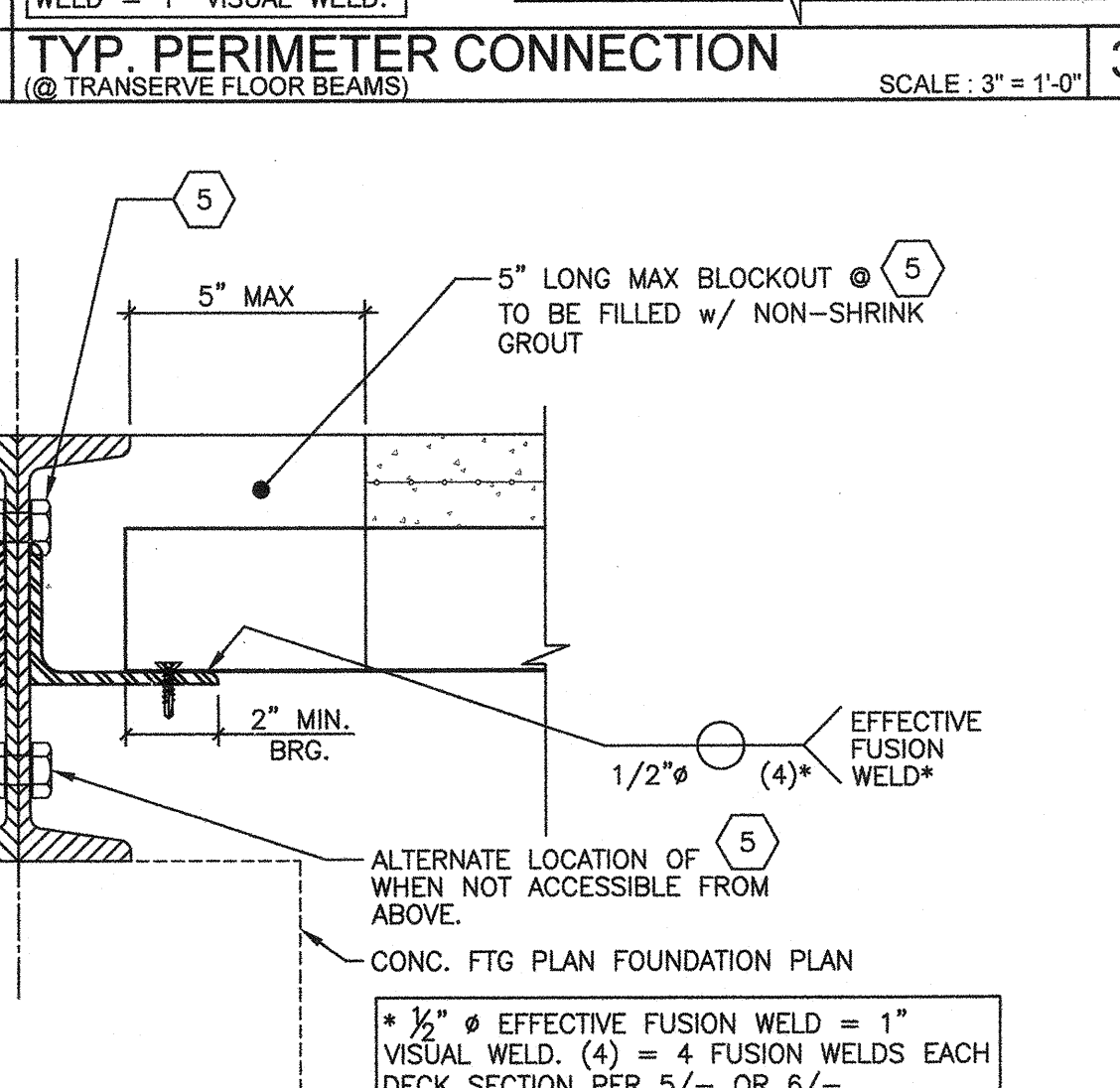
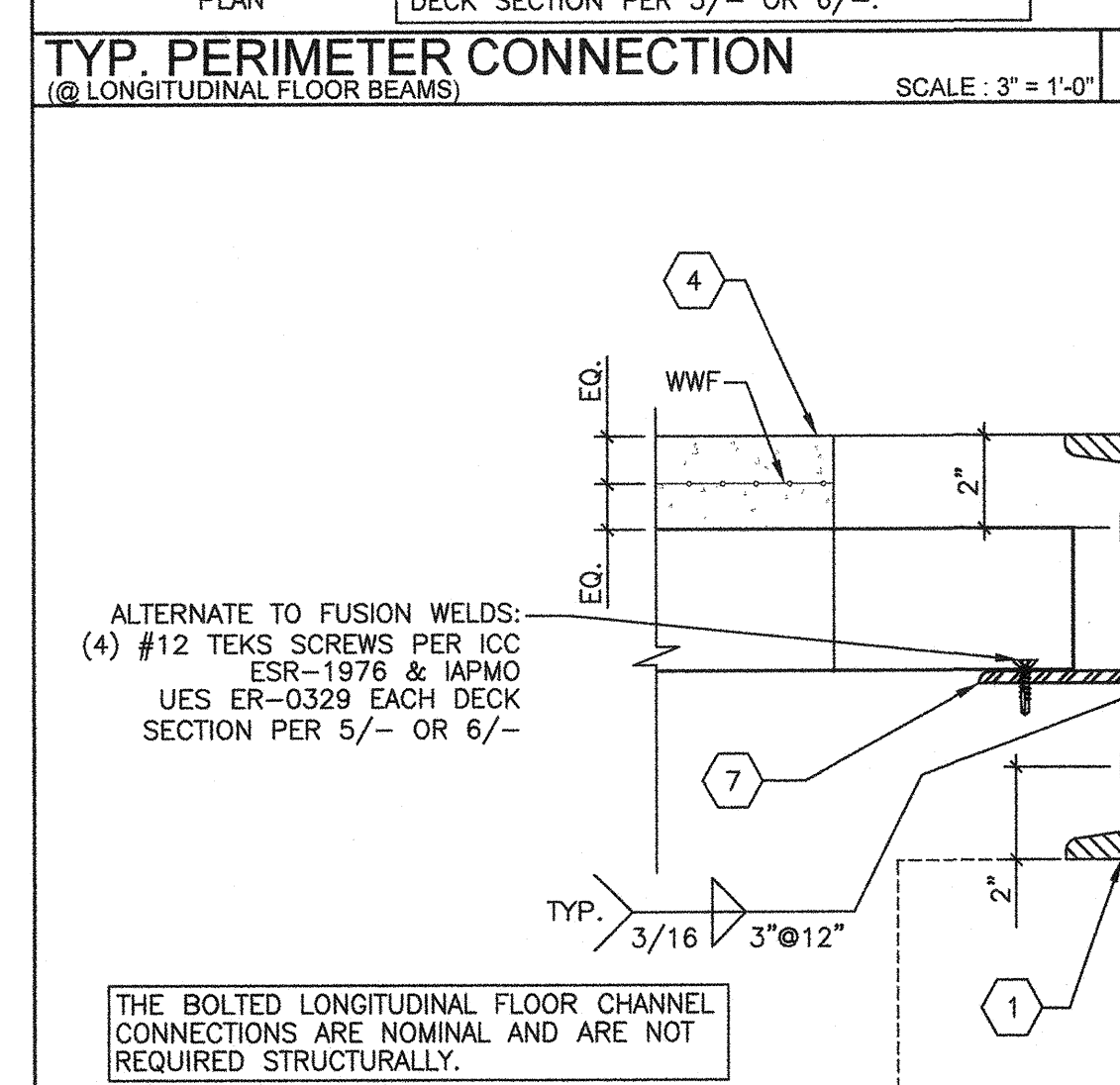
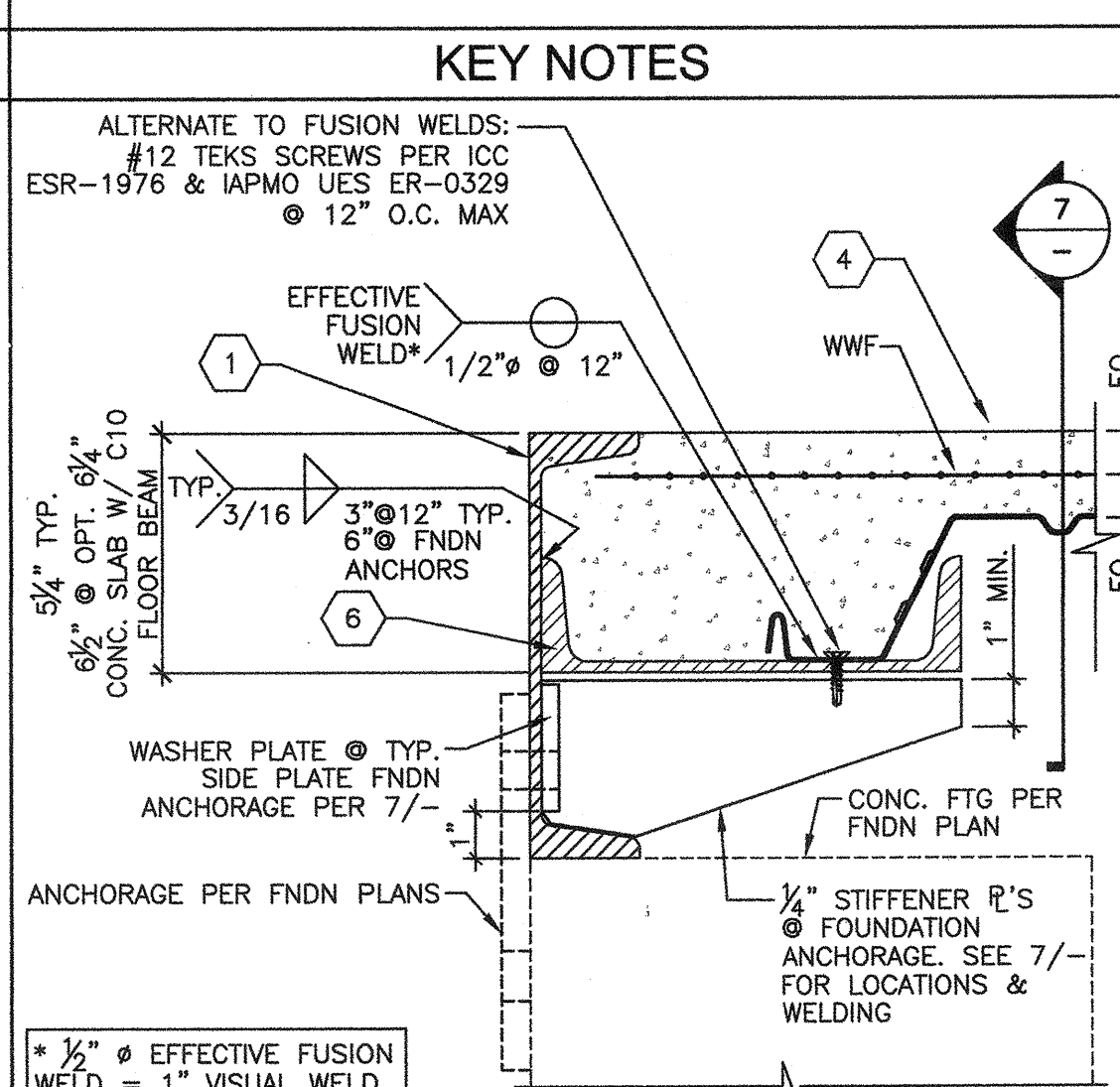
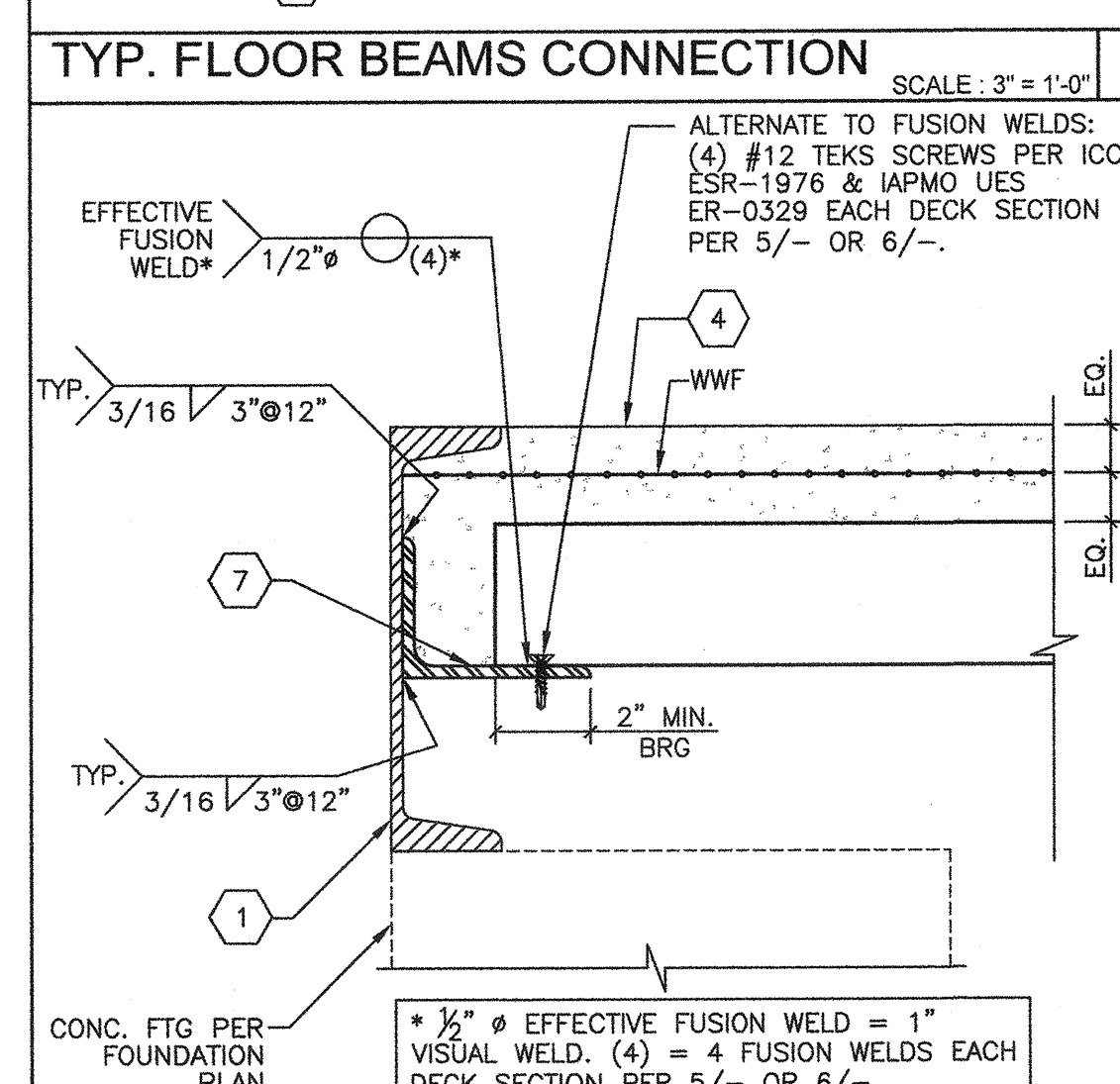
S1.7



- FLOOR BEAM PER SHEET S5.0. USE SINGLE SIZE CHANNEL THROUGHOUT FLOOR SYSTEM. USE C10 OPTION WHEN USING 6 1/4" THICK CONCRETE SLAB OPTION.
- HSS COLUMN PER SHEET S5.0.
- NOT USED
- 2" MIN. 3/4" MAX. LIGHTWEIGHT CONC. FILL w/ 6x6/W1.4xW1.4 WWF w/ 1'-0" LAP OVER ASC 18 GA. 3WH OR 3WH GALVANIZED DECK (5" MIN., 6 1/4" MAX TOTAL THICKNESS) SEE 5 & 6/- FOR DECK PROPERTIES AND ATTACHMENT PATTERN.
- 3/8" MB @ 10'-0" O.C. MAX. 6" MAX FROM INSIDE FACE OF COLUMNS PER DETAILS 1 & 4/-.
- BOLT HOLE THRU FLOOR CHANNELS = BOLT # + 1/16".
- C9x13.4" DECK SUPPORT CHANNEL PER DETAIL 3/-.
- C9 MAY HAVE 3" MAX HOLES THRU WEB WITHOUT WEB REINFORCEMENT PER THE FOLLOWING:
 - HOLES MUST BE CENTERED ON WEB.
 - MULTIPLE HOLES MUST BE SPACED A MIN. OF 24" APART.
 - HOLES MUST BE 24" MIN. FROM INSIDE FACE OF COLUMNS.
- 4"x3"x3/8" LLH (MIN.) DECK SUPPORT ANGLE PER DETAIL 2 & 4/-.



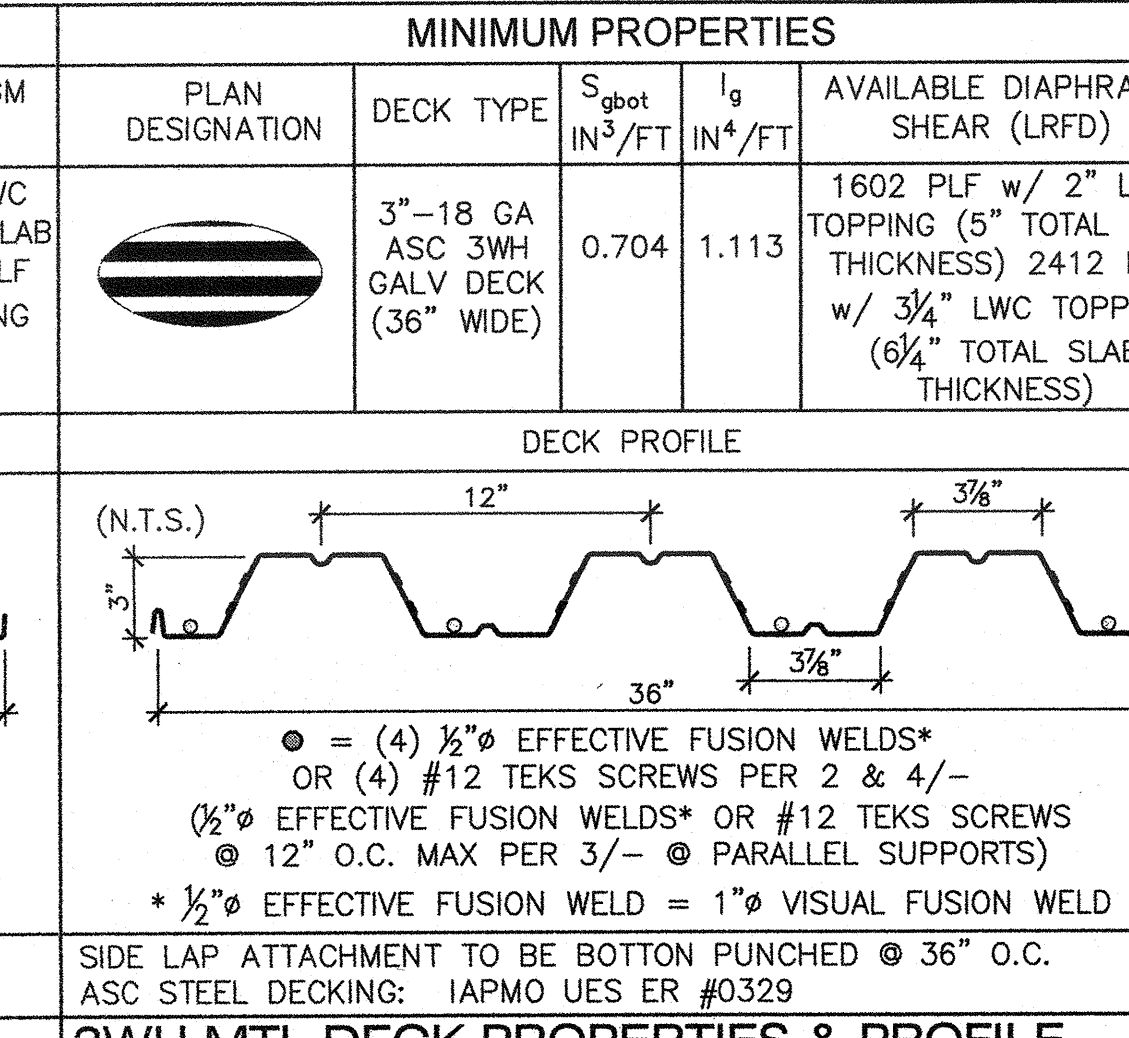
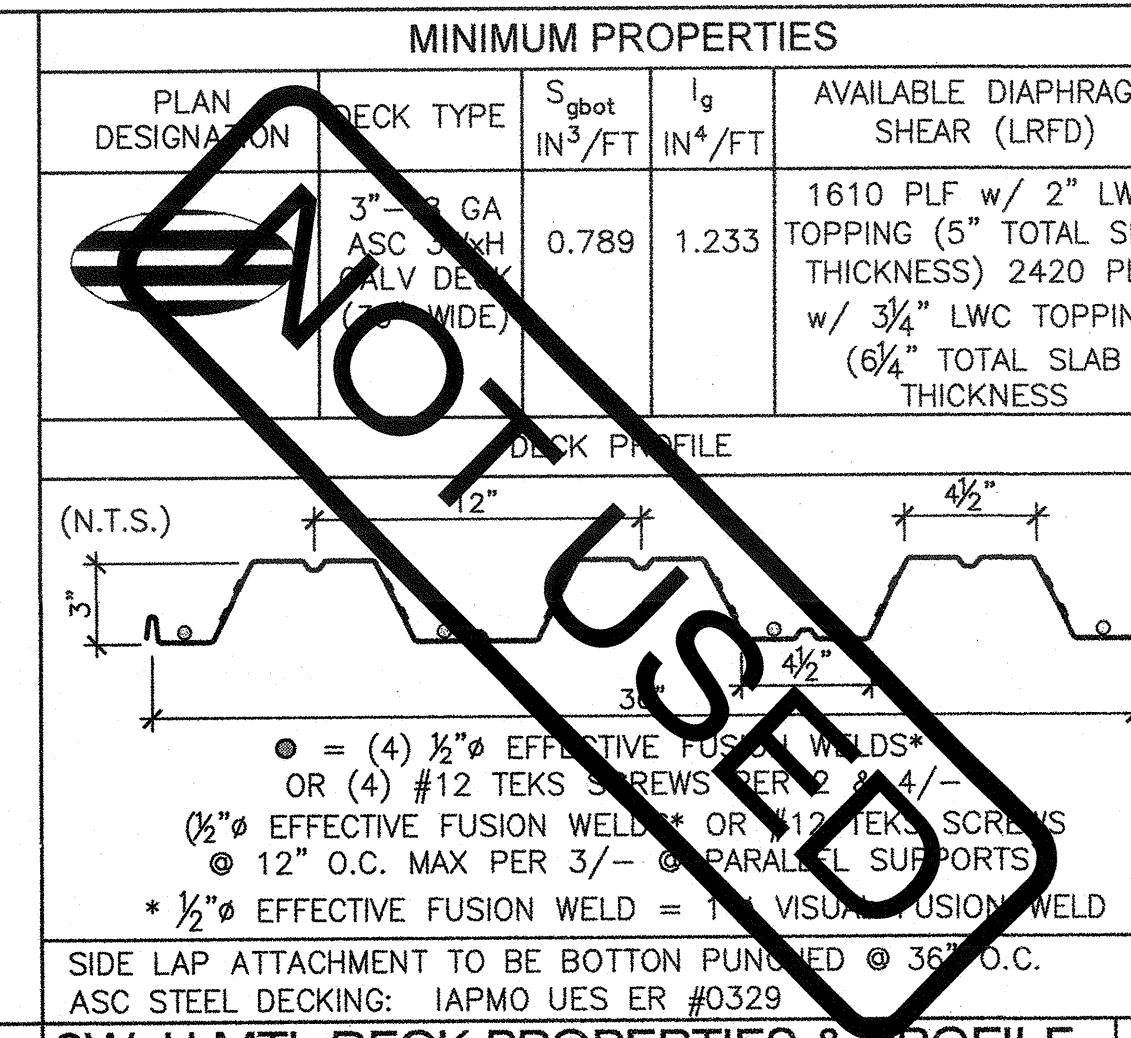
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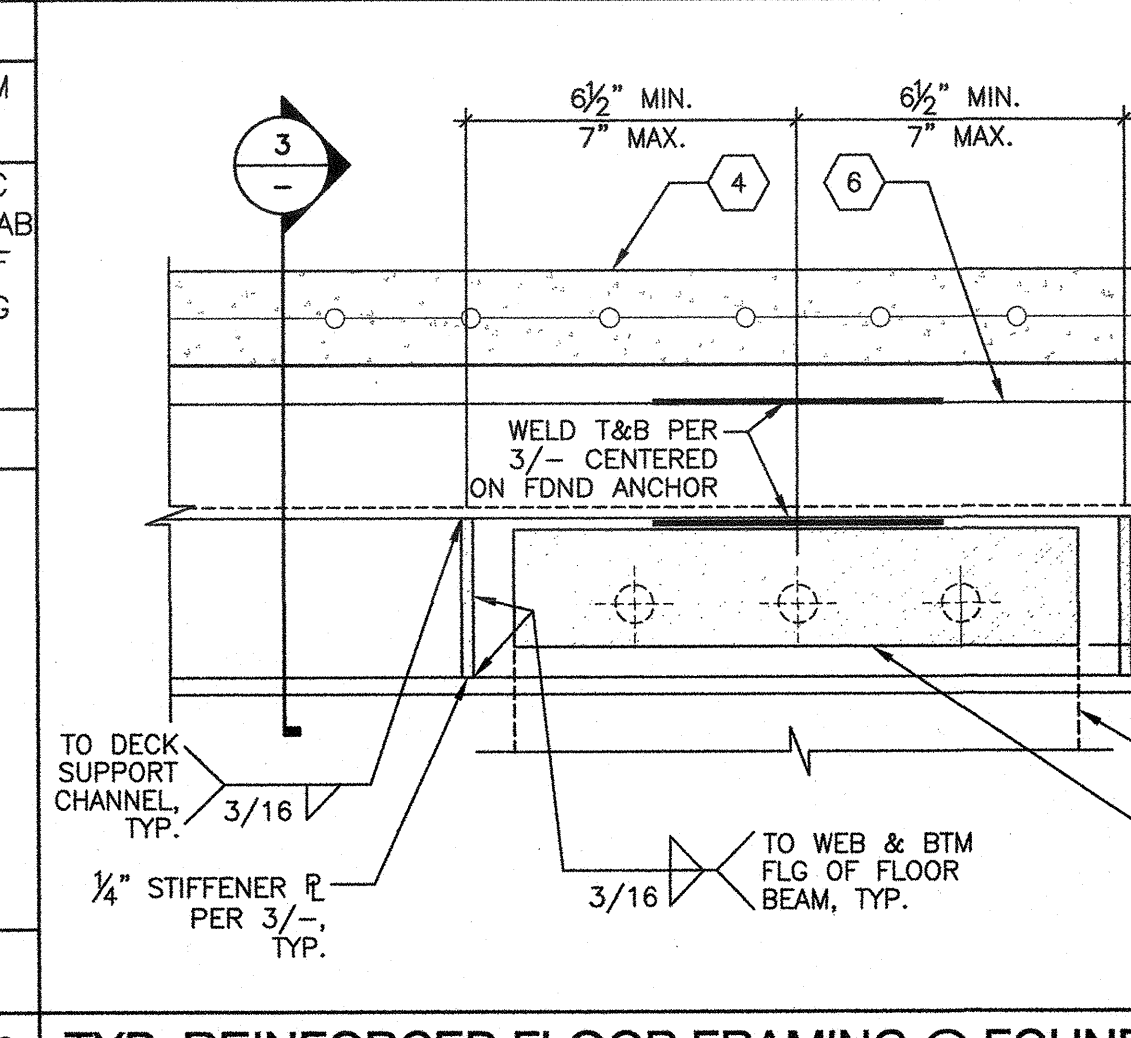
FLOOR FRAMING PLAN (CONCRETE FLOOR w/ 3WH-DECK OR 3WxH DECK OPTION) 150 PSF MAX FLOOR LIVE LOAD SCALE: 1/4"=1'-0" A

BUILDING SIZE SCHEDULE			
BUILDING SIZE	TOTAL # OF 10'-0" WIDE MODULES	TOTAL # OF CENTER MODULES	TOTAL FNDN WIDTH
30'x32'	3	1	30'-3/4"
40'x32'	4	2	40'-1"
50'x32'	5	3	50'-1 1/4"
60'x32'	6	4	60'-1 1/2"
70'x32'	7	5	70'-1 3/4"
80'x32'	8	6	80'-2"
90'x32'	9	7	90'-2 1/4"
100'x32'	10	8	100'-2 1/2"
110'x32'	11	9	110'-2 3/4"
120'x32'	12	10	120'-3"
130'x32'	13	11	130'-3 1/4"
140'x32'	14	12	140'-3 1/2"
150'x32'	15	13	150'-3 3/4"

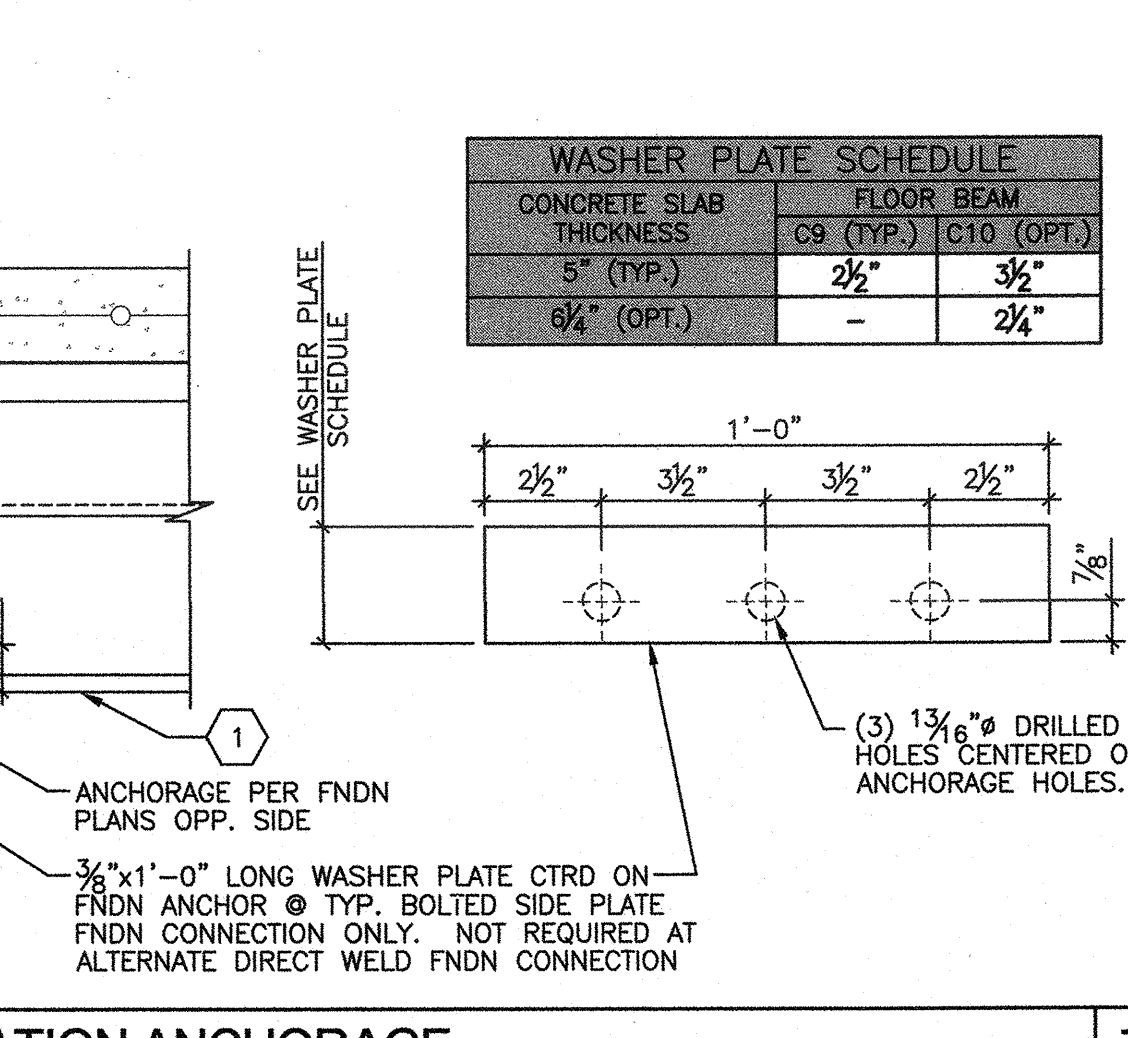
NOTES:
 1. TOTAL BUILDING WIDTH INCLUDES 1/2" PER MODULE CONSTRUCTION TOLERANCE PER FOUNDATION SHEETS S1.1, S1.2, & S1.3.



TYP. MODULE LINE CONNECTION SCALE: 3/8"=1'-0" 4



TYP. REINFORCED FLOOR FRAMING @ FOUNDATION ANCHORAGE SCALE: 3/8"=1'-0" 7



SITE SPECIFIC PROJECT NAME

SHEET TITLE
FLOOR FRAMING PLAN & DETAILS FOR CONCRETE FLOOR w/ 3WH-DECK OR 3WxH DECK OPTION (150 PSF MAX FLOOR L.L.)

MANUFACTURER PROFESSIONAL OF RECORD ON PC

LICENSED ARCHITECT
 ROBERT J. STANLEY
 No. 5322
 State of California

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 APP03 119722
 AC - FLS - SS b
 DATE - FEB 05 2019

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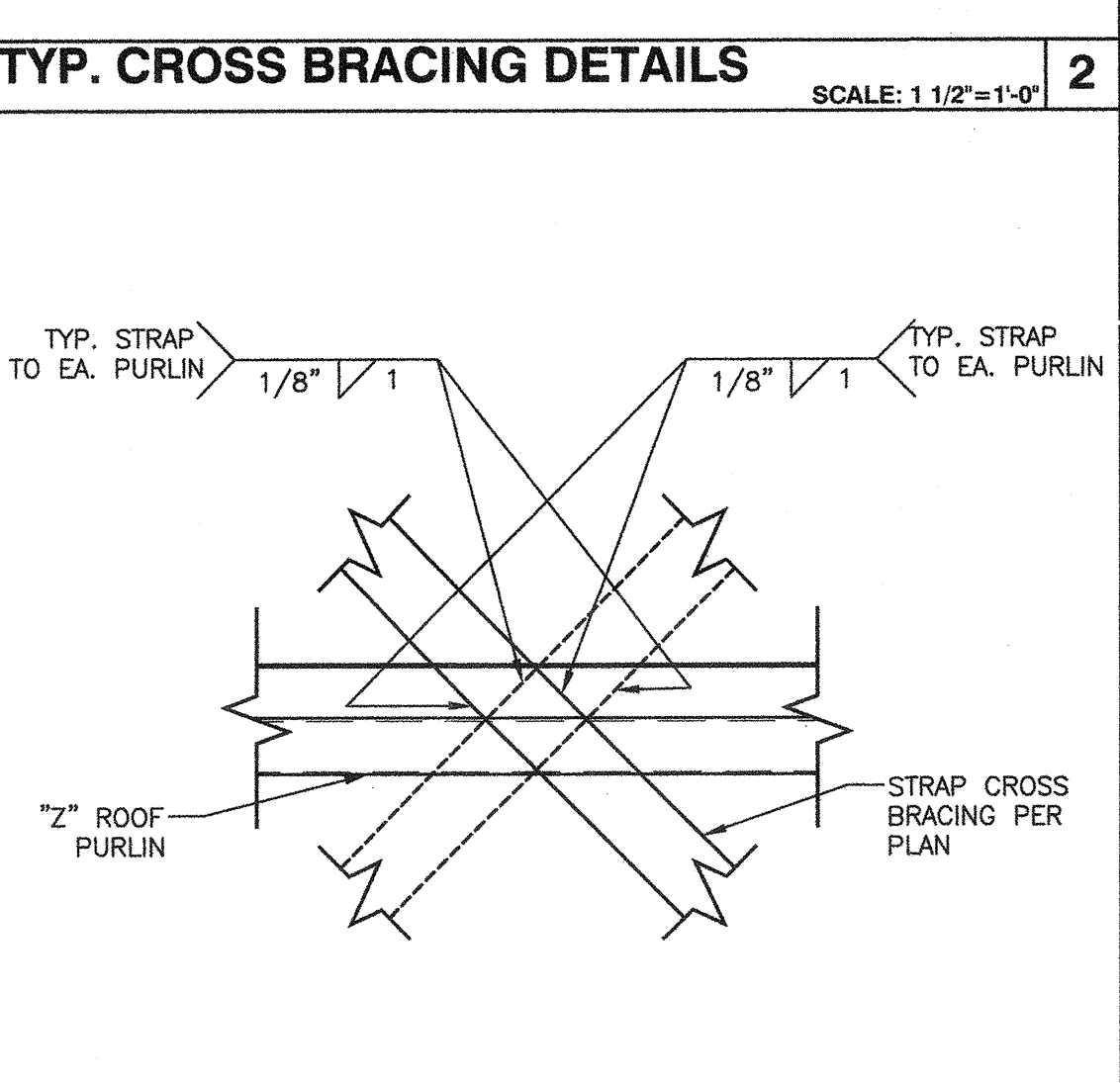
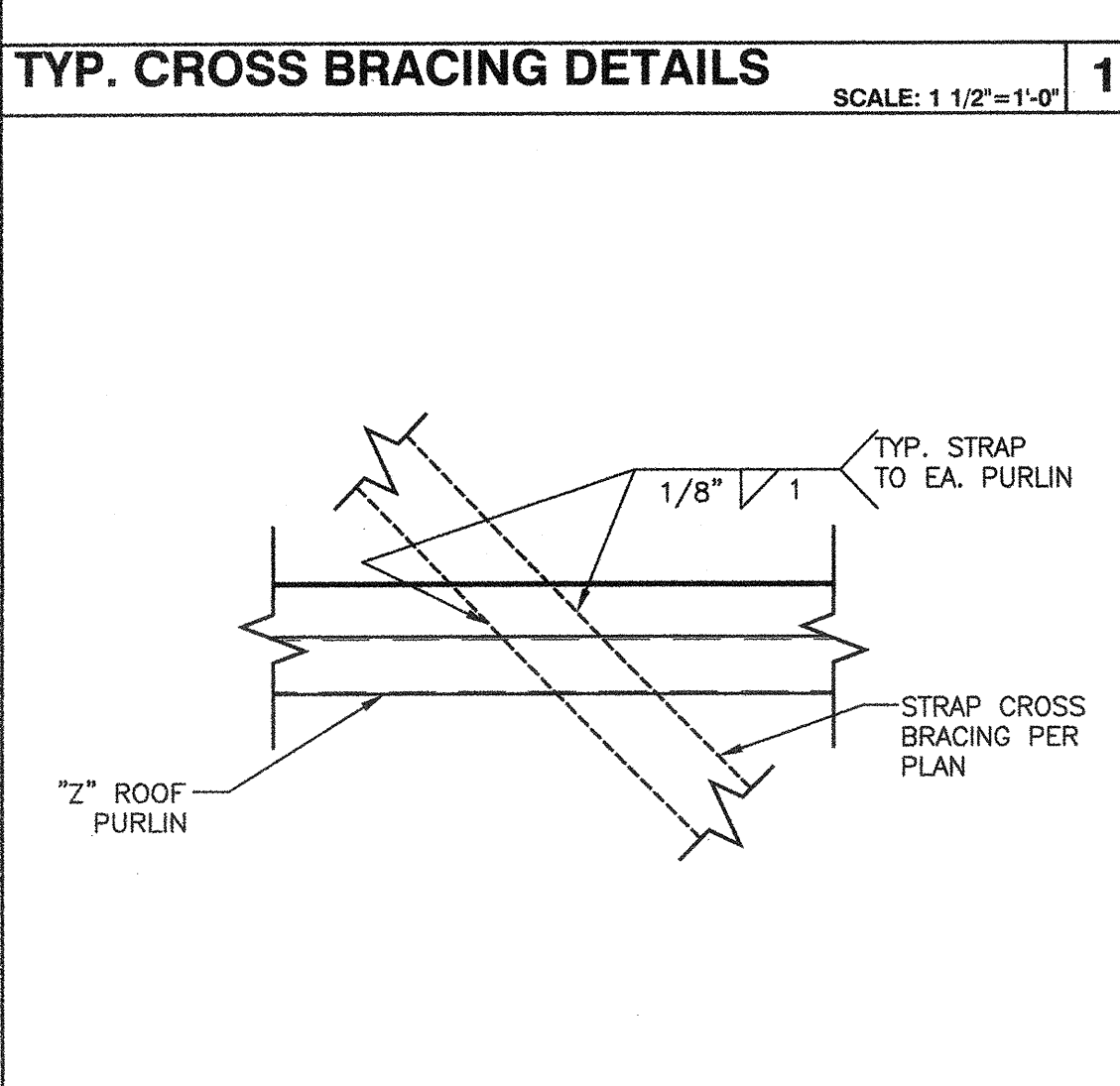
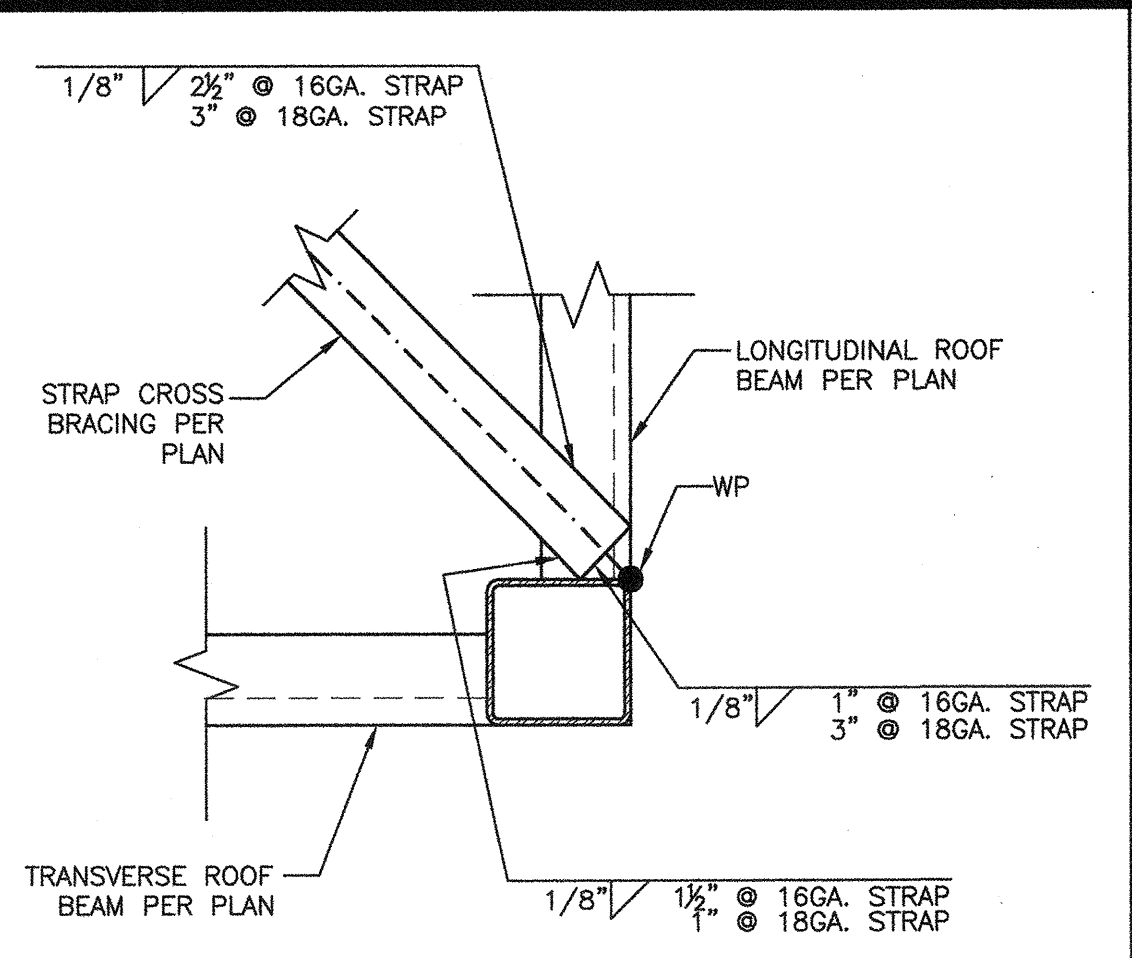
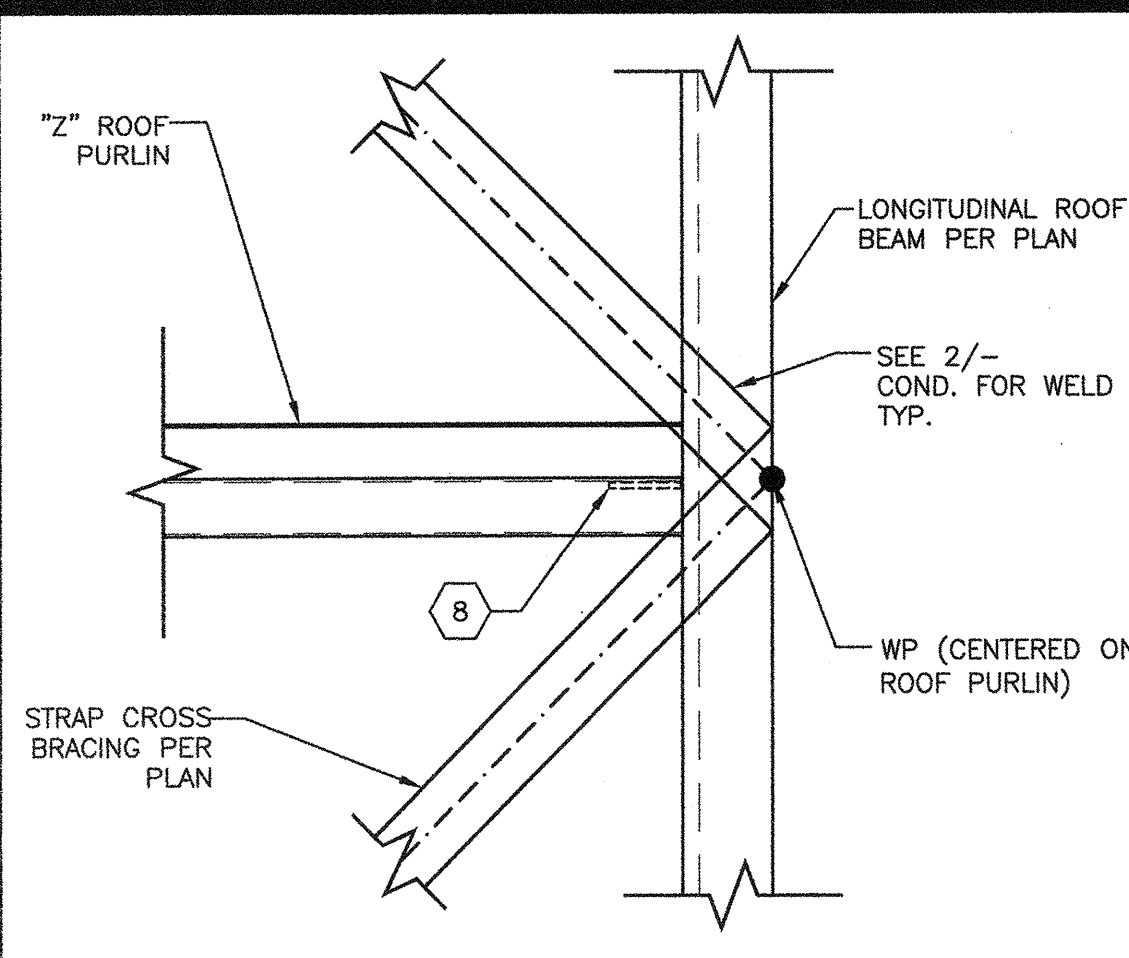
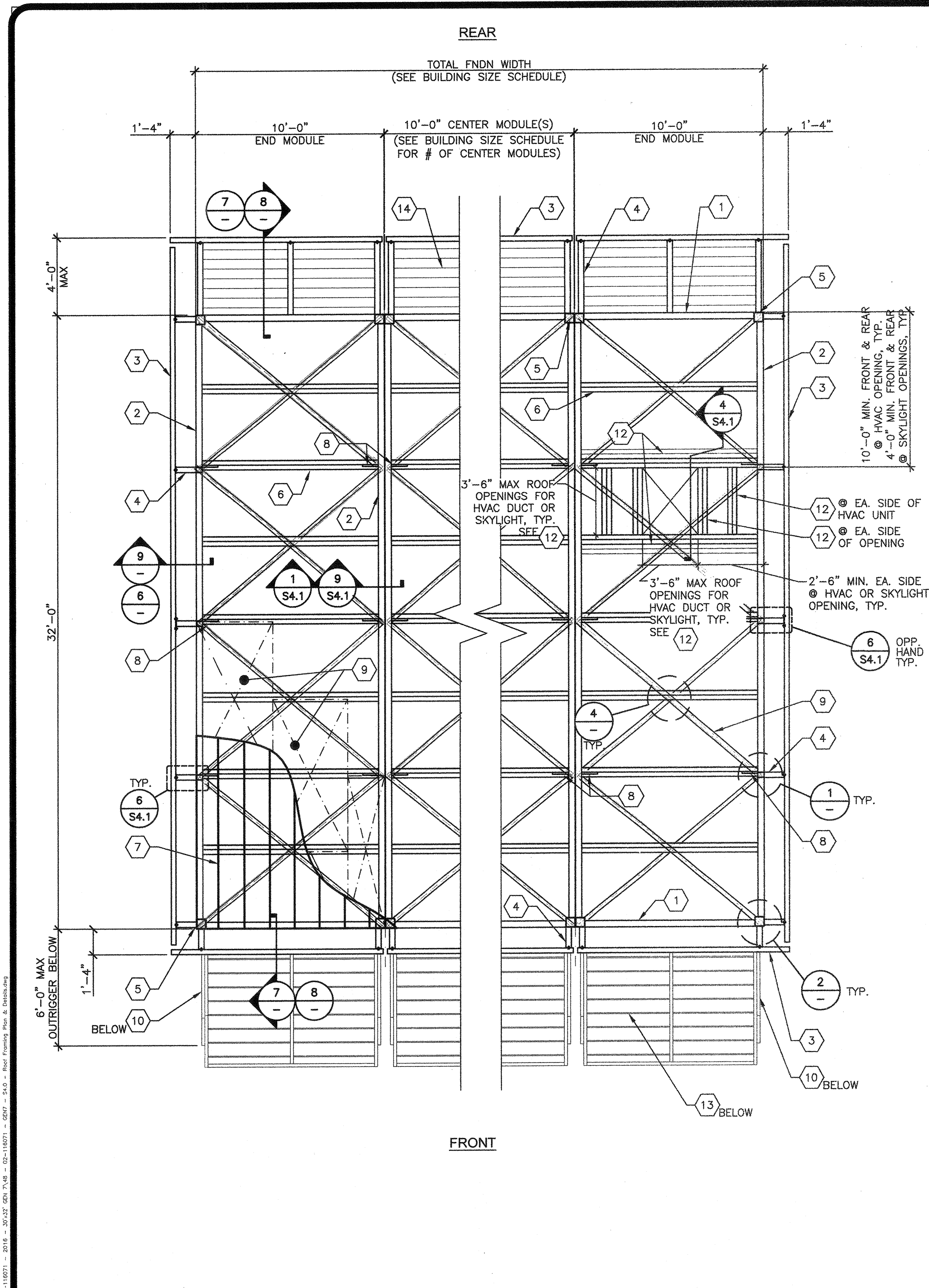
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 DATE - 7 10 16

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

REVISIONS

DRAWN BY: AS NOTED
 DATE:
 SHEET NUMBER

S3.3



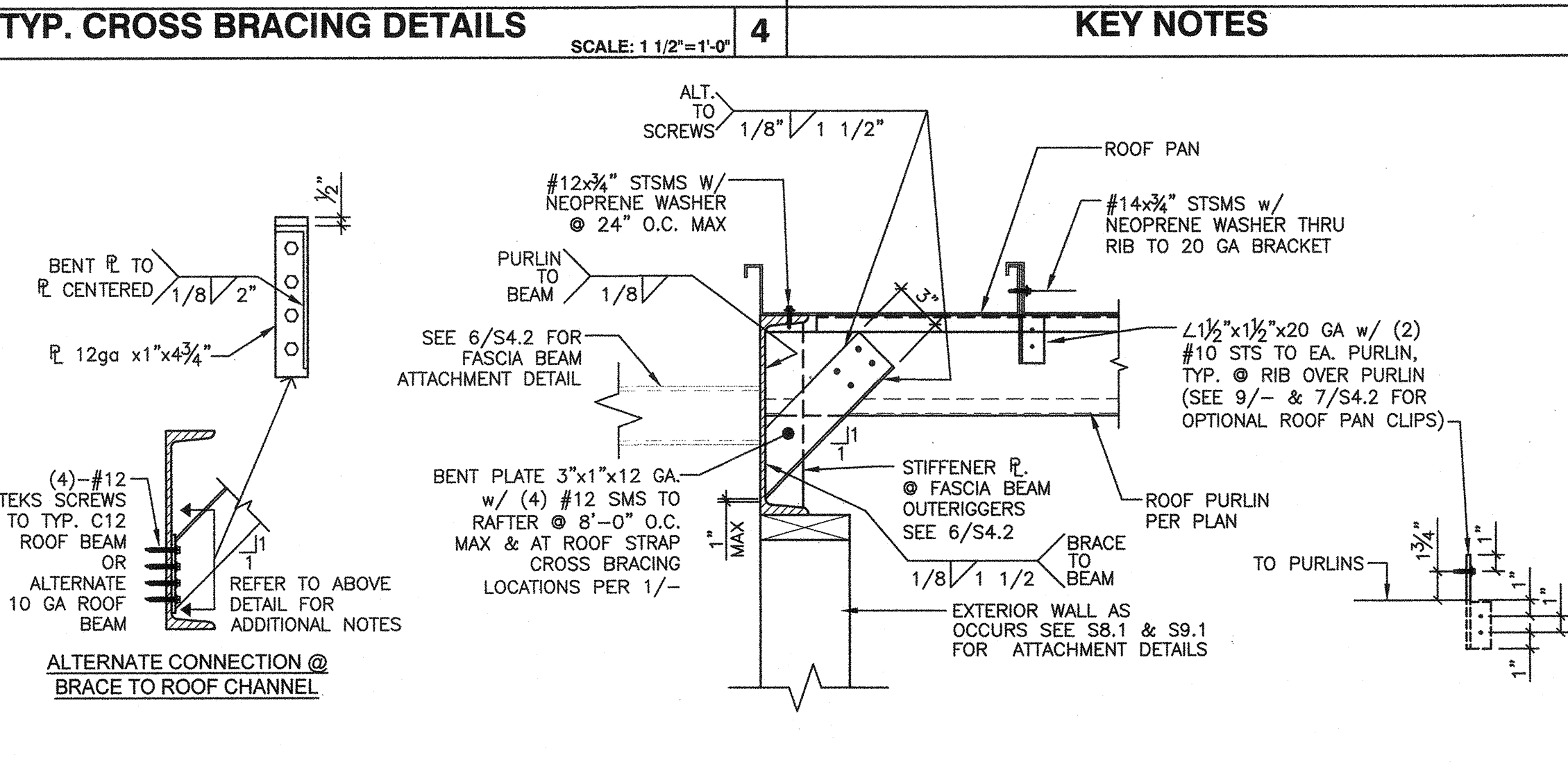
- 1 TRANSVERSE ROOF BEAM PER SHEET S5.0 OR S5.3
- 2 LONGITUDINAL ROOF BEAM PER SHEET S5.0 OR S5.3
- 3 C12x20.7 FASCIA BEAM - SEE 6/S4.2
- 4 3/8x3/8x4 HSS TUBE - SEE 6/S4.2
- 5 HSS COLUMN PER SHEET S5.0.
- 6 ROOF PURLINS @ 48" O.C. MAX. -SEE SHEET S0.0
- 7 METAL ROOF PAN - SEE SHEET S0.0.
- 8 3x1x1/2 GA. BENT PLATE DIAGONAL BRACE TO ROOF BEAM @ 8'-0" O.C. MAX & AT ROOF STRAP CROSS BRACING LOCATIONS PER 1/-, SEE DETAILS 6 & 9/- @ EXTERIOR SIDE WALLS & 1 & 9/S4.2 @ INTERIOR MODULES.
- 9 2"x1/8 GA. STRAP CROSS BRACING GRADE 50. ALTERNATE: 3"x1/8 GA. GRADE 50. ALTERNATE TO STRAP CROSS BRACING: 3/4" APA RATED L-P OSB OR 3/4" PLYWOOD (ALL OSB OR PLYWOOD SHALL BE EITHER T&G OR EDGE CLIPPED AT UNSUPPORTED EDGES) CONFORMING TO PS 1-09 OR PS 2-10, CD EXPOSURE-1 48/24 SPAN INDEX, 2 SPANS MIN. (EXCEPT CENTER PANEL @ MODULE END BAYS), STAGGERED JOINTS, FACE GRAIN NORMAL TO ROOF PURLINS, ALL BOUNDARY, EDGE & FIELD ATTACHMENTS SHALL BE 1" MIN. FROM EDGE OF OSB OR PLYWOOD & EDGE OF STEEL SUPPORTING MEMBER. REFER TO FASTENING SCHEDULE FOR FASTENING.
- 10 HSS 12x3x3/4 OUTRIGGER BELOW
- 11 NOT USED
- 12 PROVIDE DOUBLE PURLINS AND BLOCKING PER 2-4/S4.2. OPTIONAL HVAC UNIT (800# MAX), (1) HVAC UNIT PER MODULE MAX. PROVIDE SINGLE PURLINS AND BLOCKING PER 3/S4.2 @ OPTIONAL SKYLIGHT OPENINGS, (3) SKYLIGHT OPENINGS PER MODULE MAX. LOCATE OPENINGS PER ROOF PLAN & PROVIDE 48" CLEAR MIN. BETWEEN ALL OPENINGS, TYP.
- NOTE: DO NOT HEAD OFF ROOF PURLINS FOR OPENINGS FOR HVAC/SKYLIGHT FRAMING. ALL ROOF PURLINS SHALL BE CONTINUOUS ACROSS MODULE. LAYOUT OF CONTINUOUS ROOF PURLINS MAY BE ADJUSTED TO ACCOMMODATE HVAC/SKYLIGHT LAYOUT AS LONG AS SPACING DOES NOT EXCEED 48" O.C. PLACE HVAC/SKYLIGHT OPENING TO AVOID INTERRUPTION OF STRAP CROSS-BRACING WHERE OSB/PLYWOOD SHEATHING IS NOT UTILIZED. CROSS-BRACING MAY BE INTERRUPTED ONLY IF OSB/PLYWOOD SHEATHING IS USED.
- 13 SUNSHADE OVERHANG BELOW PER A/S5.2
- 14 REAR ROOF OVERHANG PER B/S5.2

1. THE MATERIAL THICKNESS OF LIGHT GAUGE STRUCTURAL MEMBERS IN THEIR END-USE, SHALL MEET OR EXCEED THE MINIMUM BASE METAL THICKNESS SPECIFIED ON SHEET S0.0. THE MATERIAL GAUGE DESIGNATION IN THE PLAN SHALL BE USED AS REFERENCE ONLY.
2. SEE SHEET S8.0 & S9.0 FOR TYP. SIDE WALL FRAMING.
3. SEE SHEET S8.0 & S9.0 FOR TYP. END WALL FRAMING.
4. ALL FASTENERS THRU METAL ROOF PANEL SHALL BE INSTALLED W/ NEOPRENE WASHERS.

GENERAL NOTES

NAILING	0.144 PINS SPACING		#10 SMS SPACING	
	TYPICAL	WITHIN 3'-3" OF BUILDING CORNERS	TYPICAL	WITHIN 3'-3" OF BUILDING CORNERS
BOUNDARY	6" O.C.	6" O.C.	6" O.C.	6" O.C.
EDGE	6" O.C.	6" O.C.	6" O.C.	6" O.C.
FIELD	6" O.C.	6" O.C.	12" O.C.	12" O.C.

NOTE: ET&F 0.144 PINS PER IAPMO REPORT UES ER-0335.

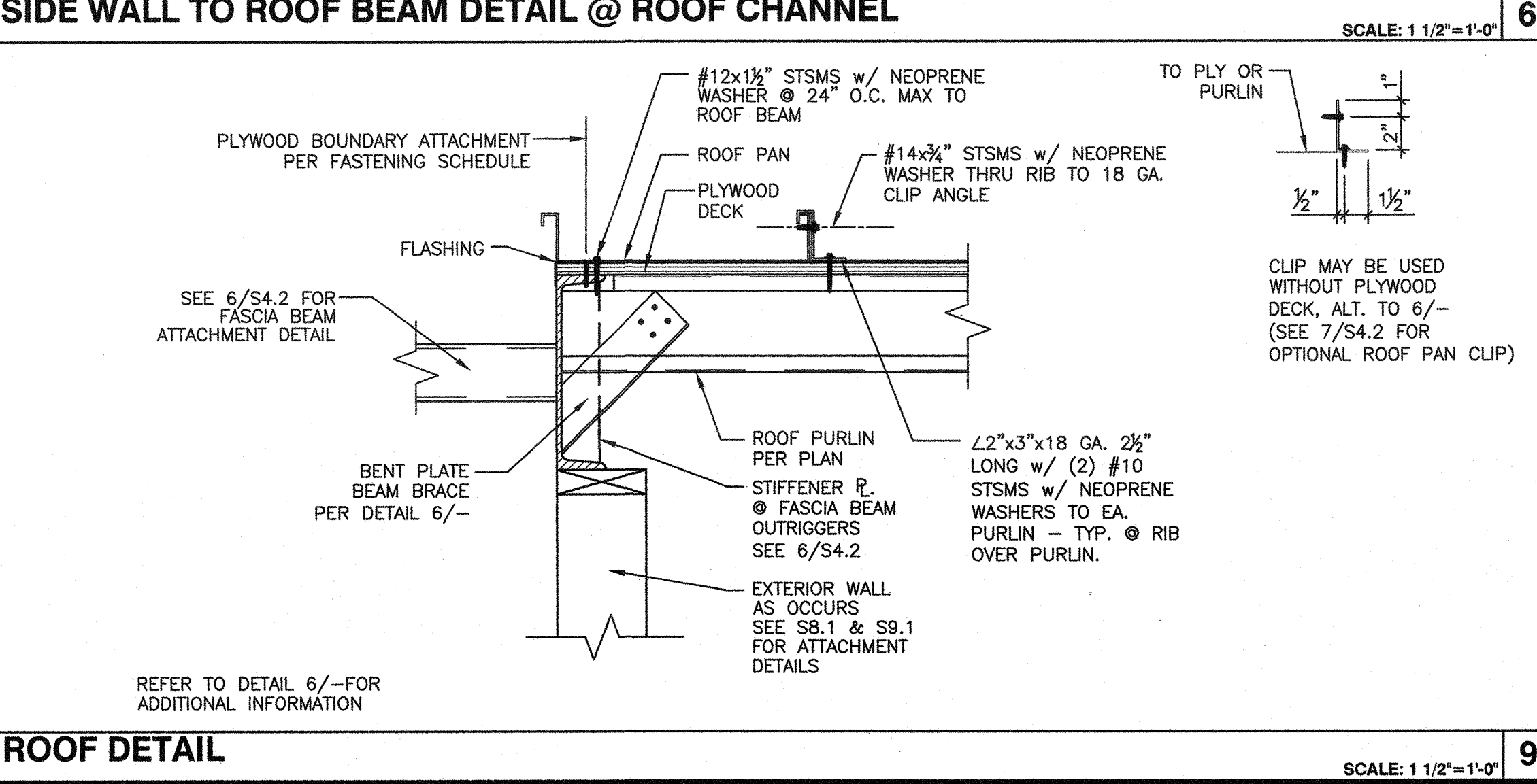
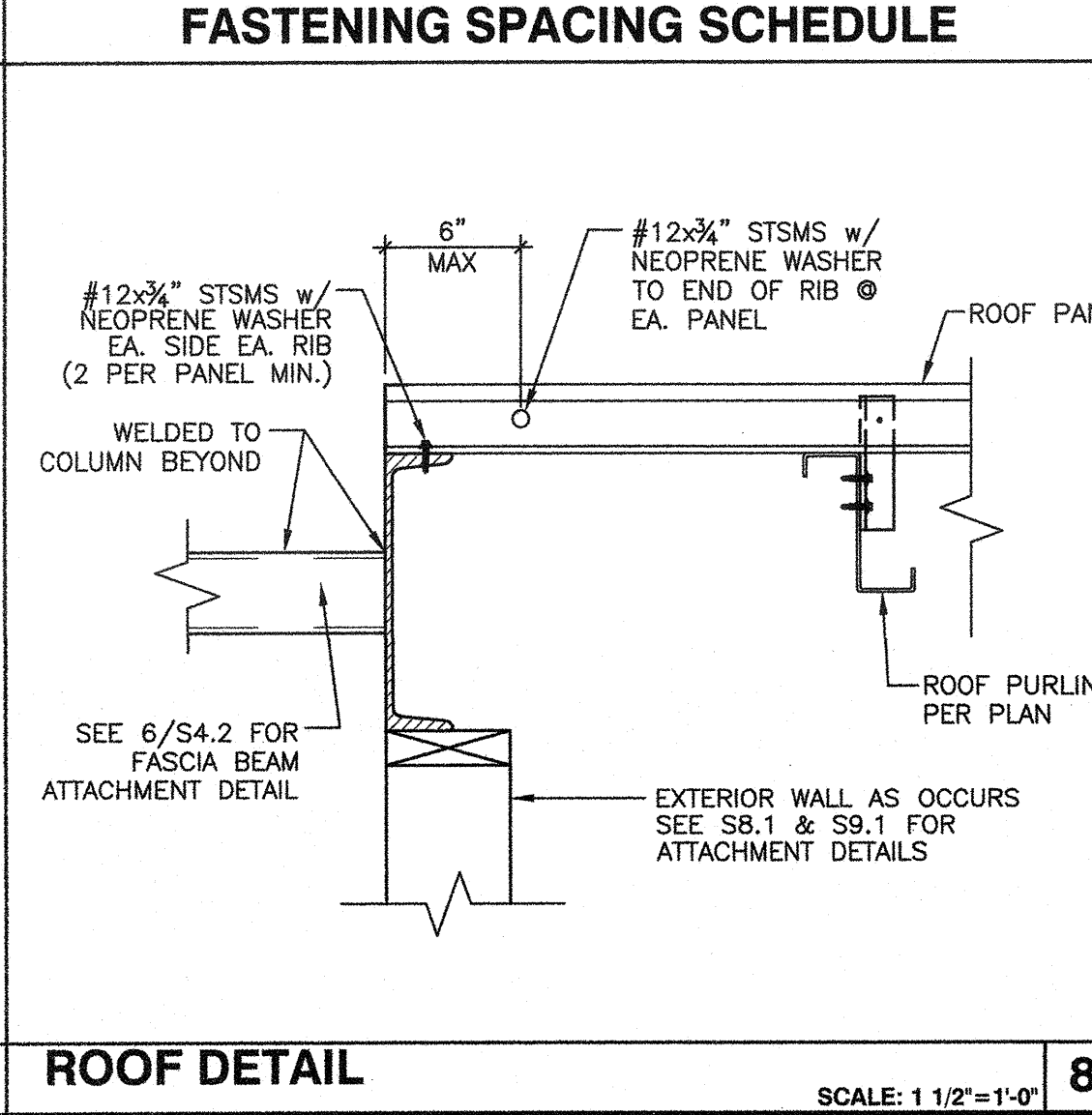
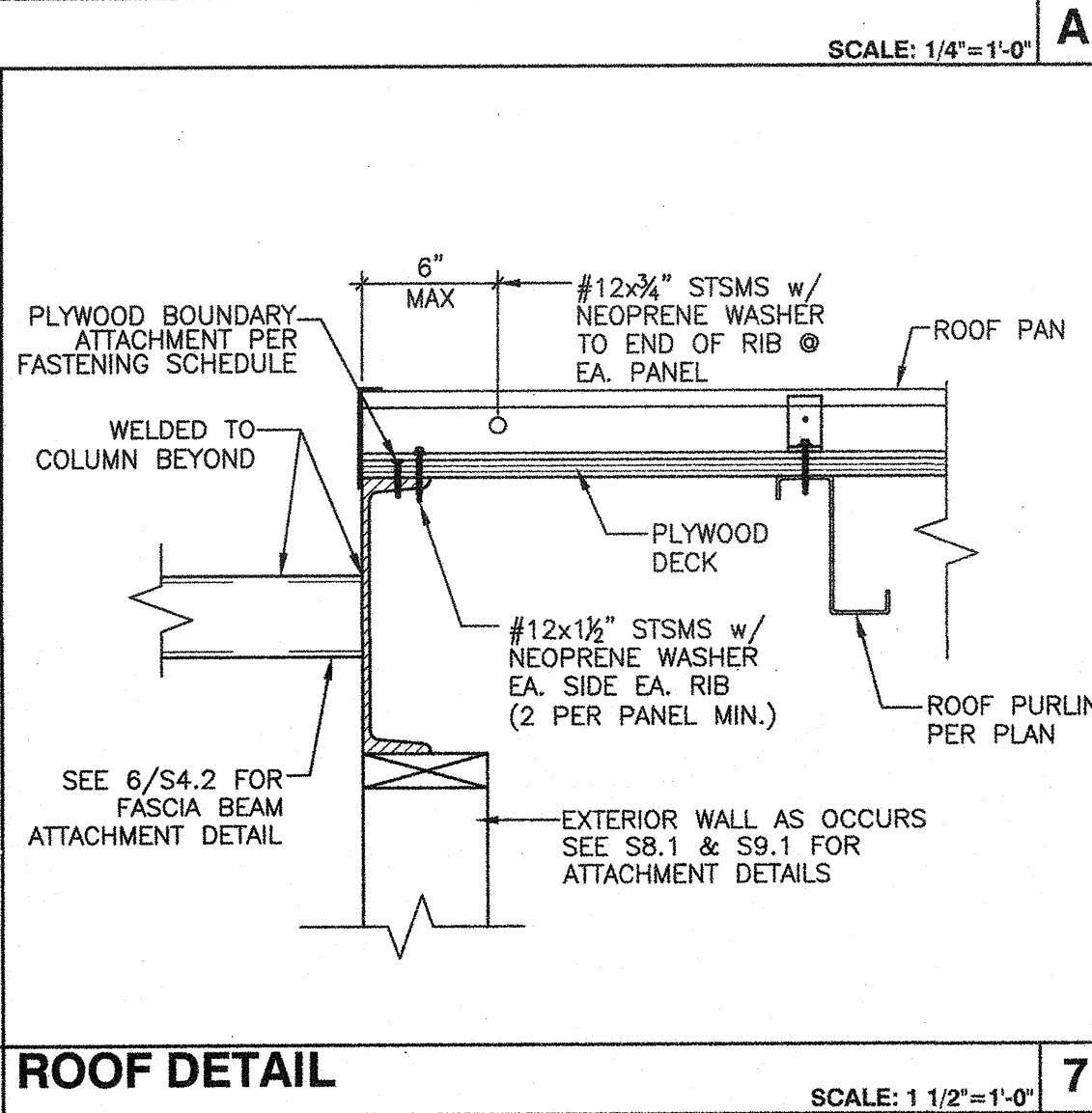


TYPICAL ROOF FRAMING LAYOUT SCALE: 1/4"=1'-0" A

BUILDING SIZE SCHEDULE			
BUILDING SIZE	TOTAL # OF 10'-0" WIDE MODULES	TOTAL # OF CENTER MODULES	TOTAL FRND WIDTH
30'x32'	3	1	30'-3/4"
40'x32'	4	2	40'-1"
50'x32'	5	3	50'-1/4"
60'x32'	6	4	60'-1/2"
70'x32'	7	5	70'-1/4"
80'x32'	8	6	80'-2"
90'x32'	9	7	90'-2/4"
100'x32'	10	8	100'-2/4"
110'x32'	11	9	110'-2/4"
120'x32'	12	10	120'-3"
130'x32'	13	11	130'-3/4"
140'x32'	14	12	140'-3/4"
150'x32'	15	13	150'-3/4"

NOTES:

1. TOTAL BUILDING WIDTH INCLUDES 1/4" PER MODULE CONSTRUCTION TOLERANCE PER FOUNDATION SHEETS S1.1, S1.2 & S1.3



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American Modular Systems
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PRE-CHECKED SET NAME
30'x32' THRU 150'x32' BUILDINGS

Gen7
healthy schools. delivered

SITE SPECIFIC PROJECT NAME

SHEET TITLE
ROOF FRAMING PLAN & DETAILS

MANUFACTURER PROFESSIONAL OF RECORD ON PC

ROBERT J. JAMES
REGISTERED PROFESSIONAL ARCHITECT
No. 5522
STATE OF CALIFORNIA

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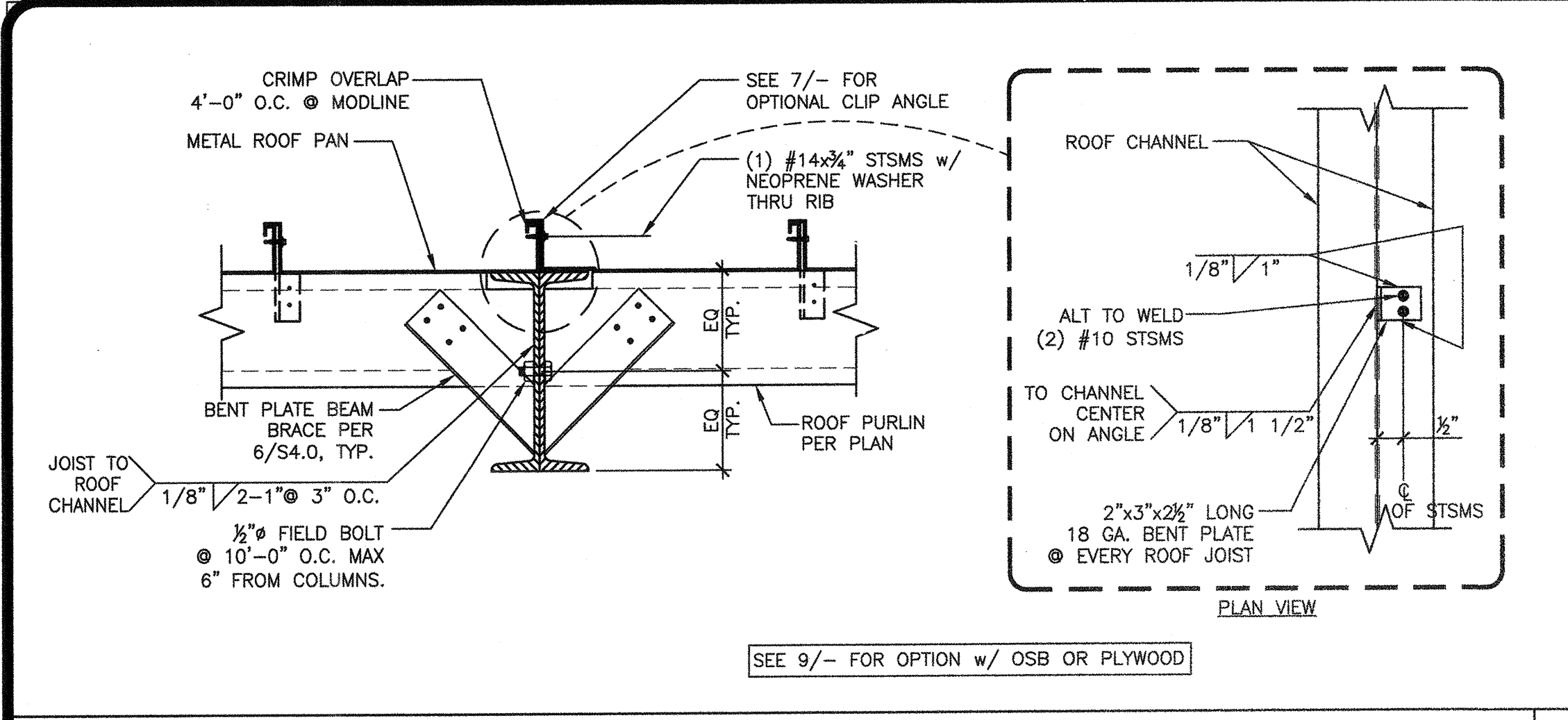
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PC 02-116071
AC - FLS - SS - 4
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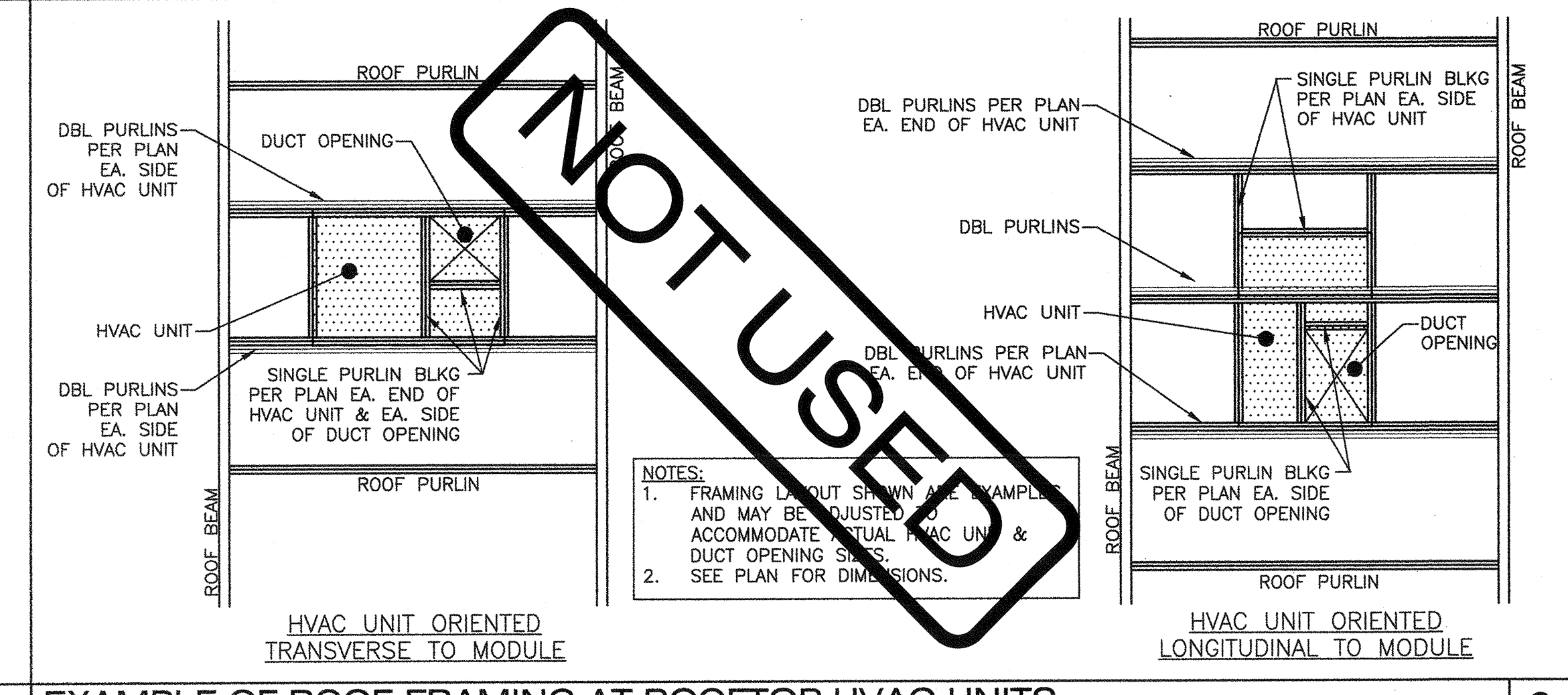
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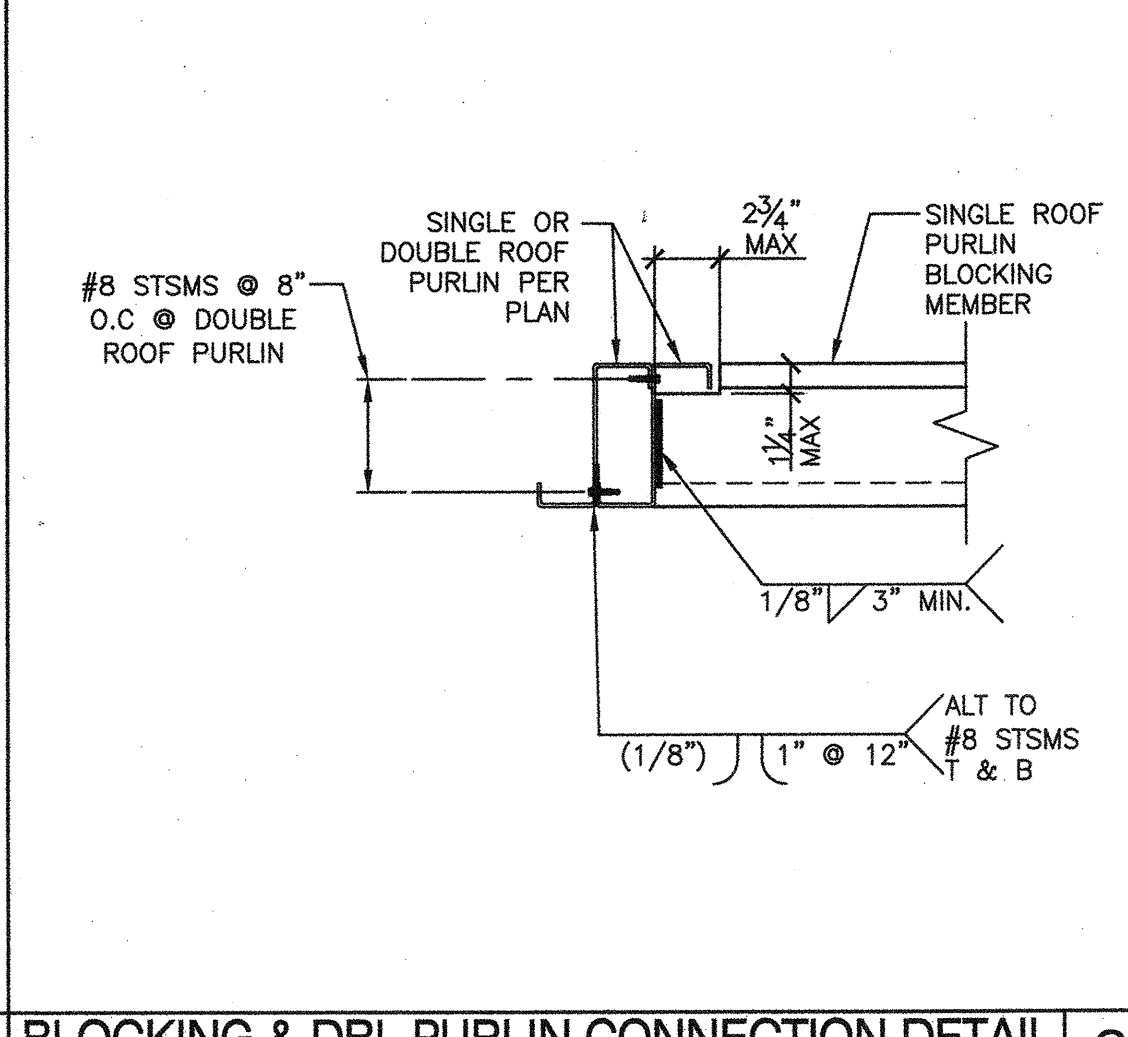
S4.0



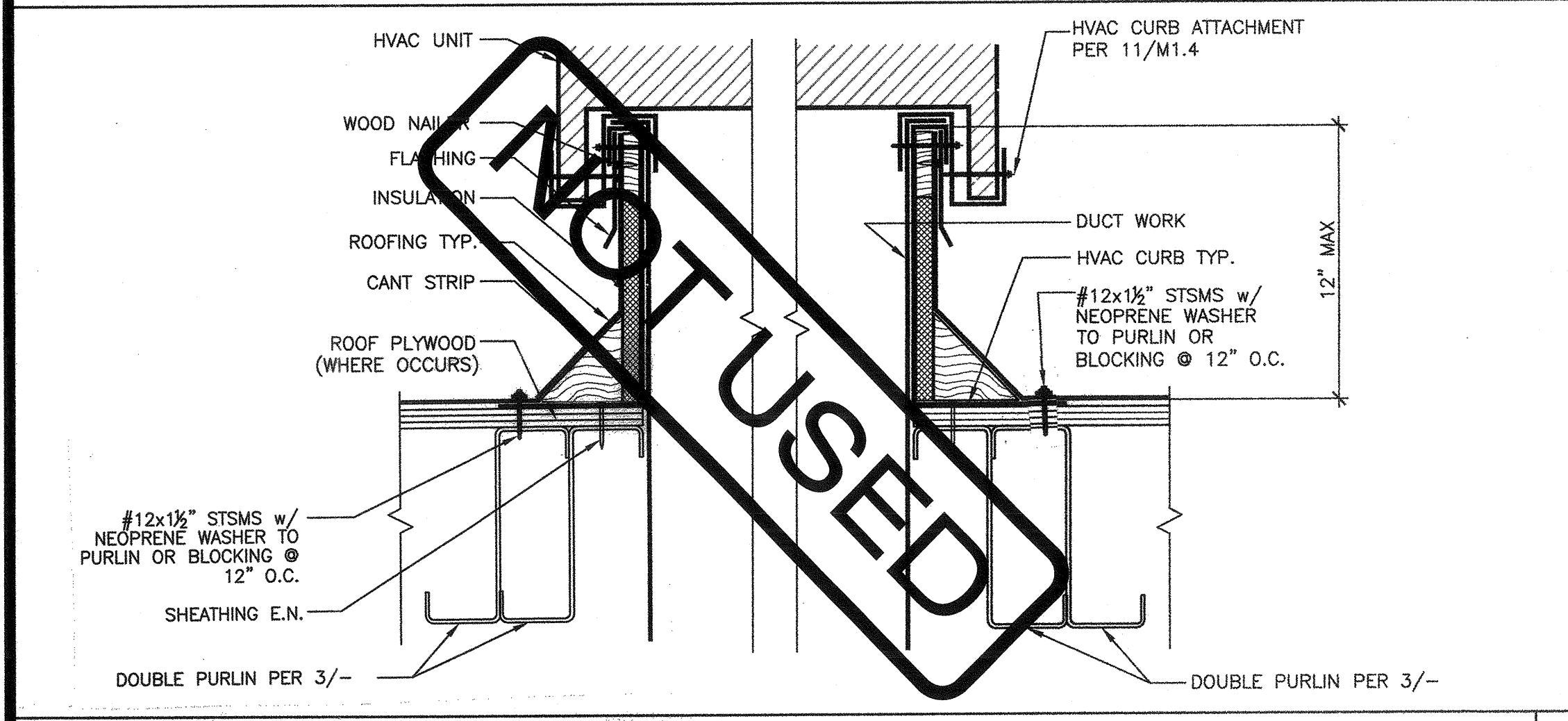
1 ROOF BEAM CONNECTION DETAIL SCALE: 1 1/2"=1'-0"



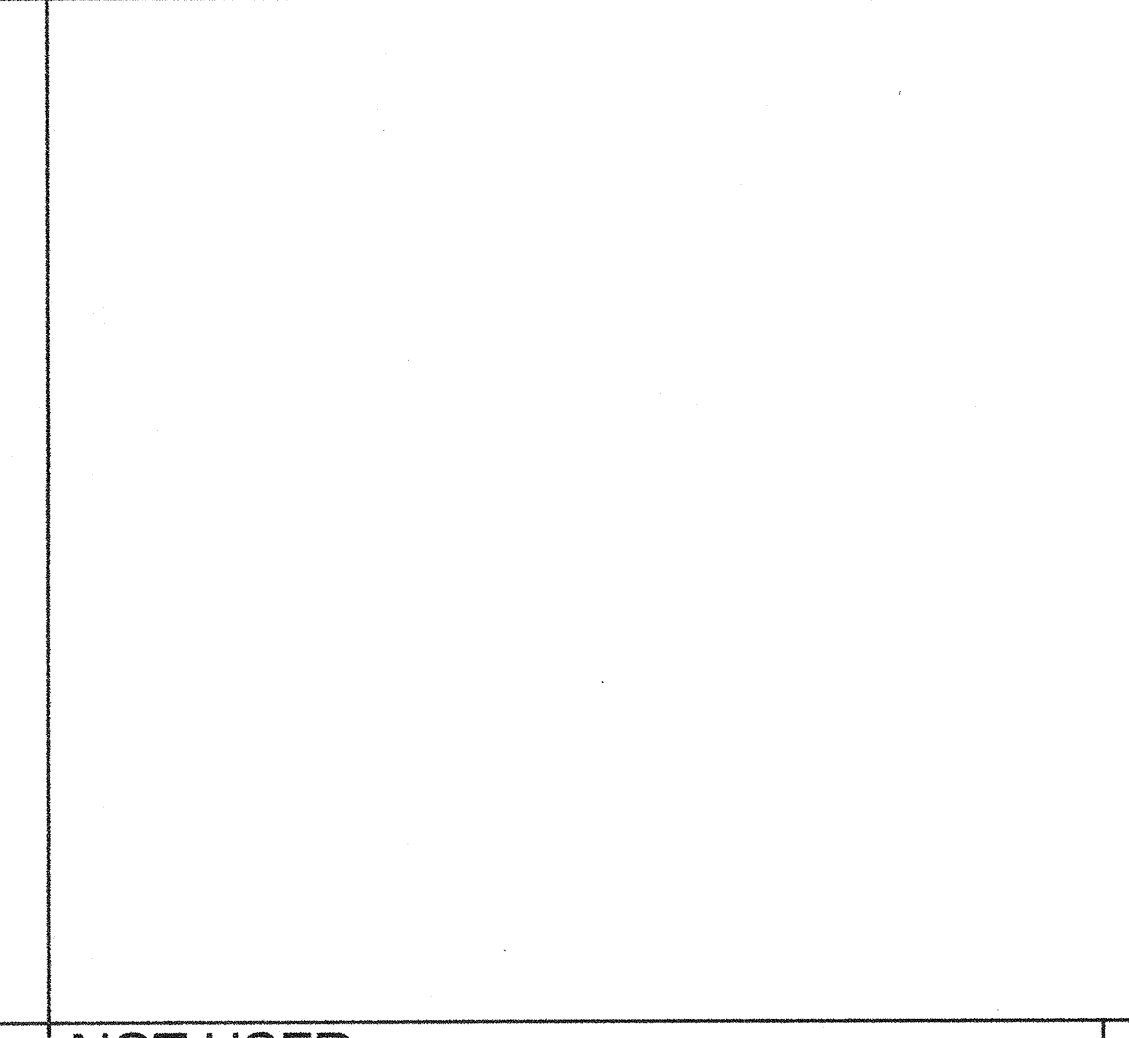
2 EXAMPLE OF ROOF FRAMING AT ROOFTOP HVAC UNITS SCALE: 1 1/2"=1'-0"



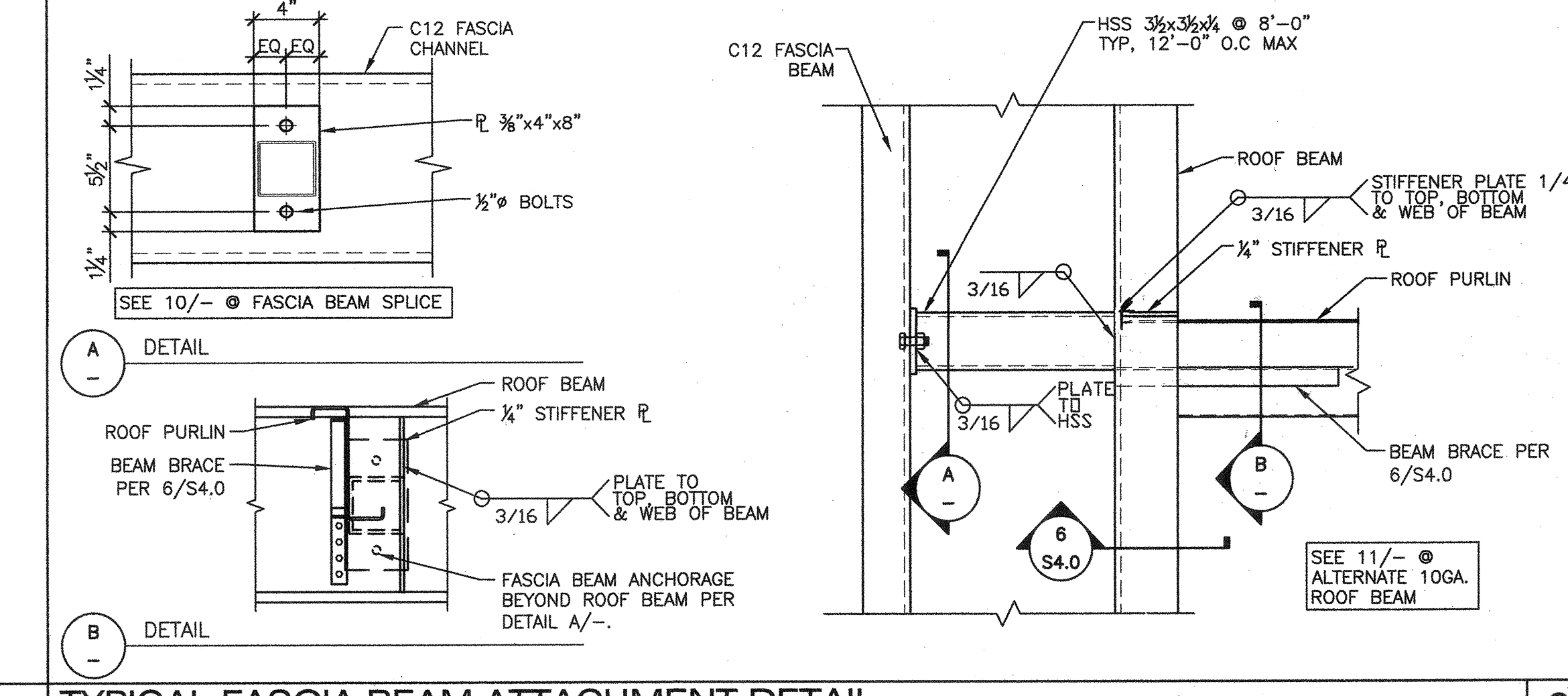
3 BLOCKING & DBL PURLIN CONNECTION DETAIL SCALE: 1 1/2"=1'-0"



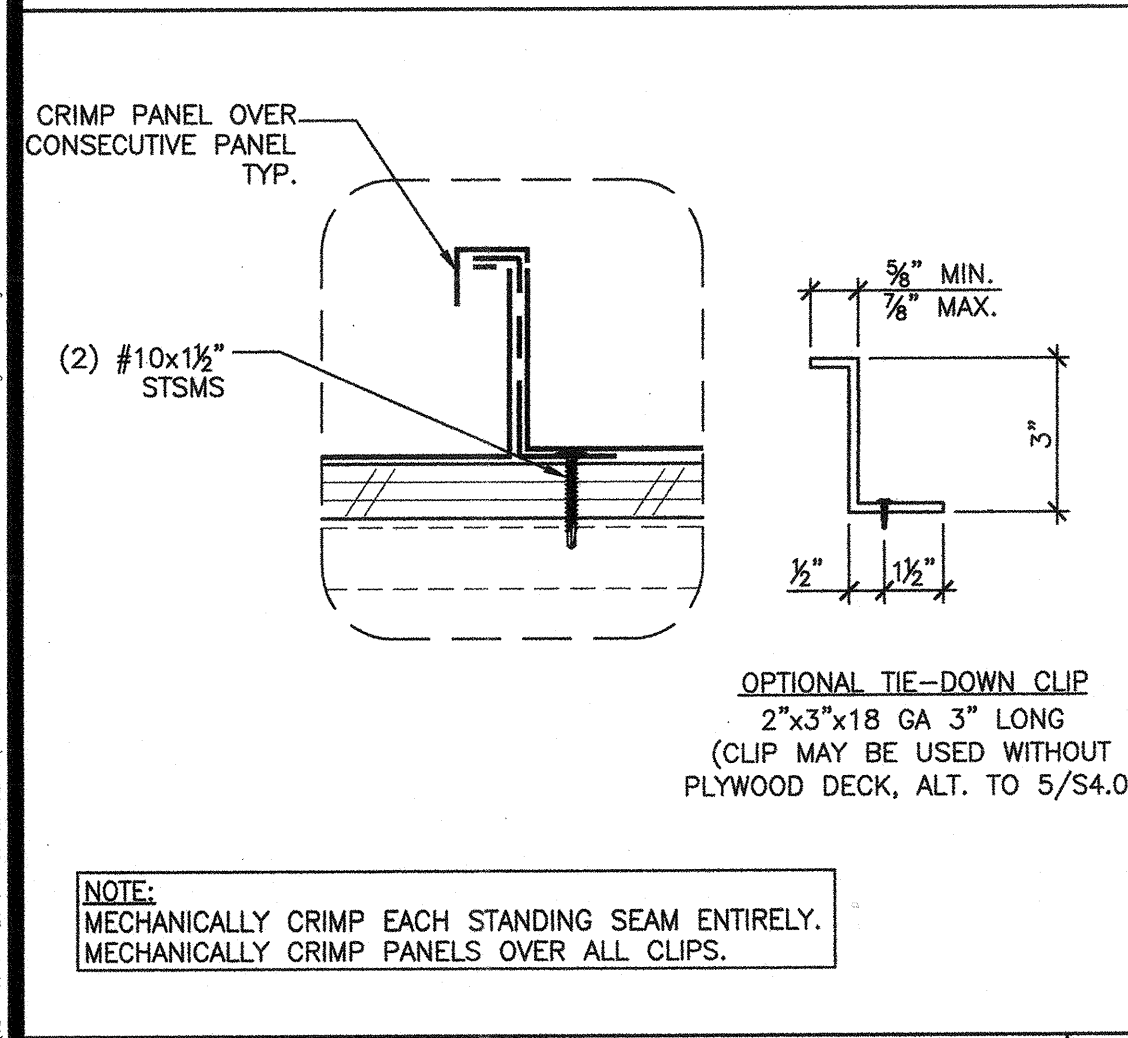
4 HVAC CURB DETAIL ANCHORAGE SCALE: 1 1/2"=1'-0"



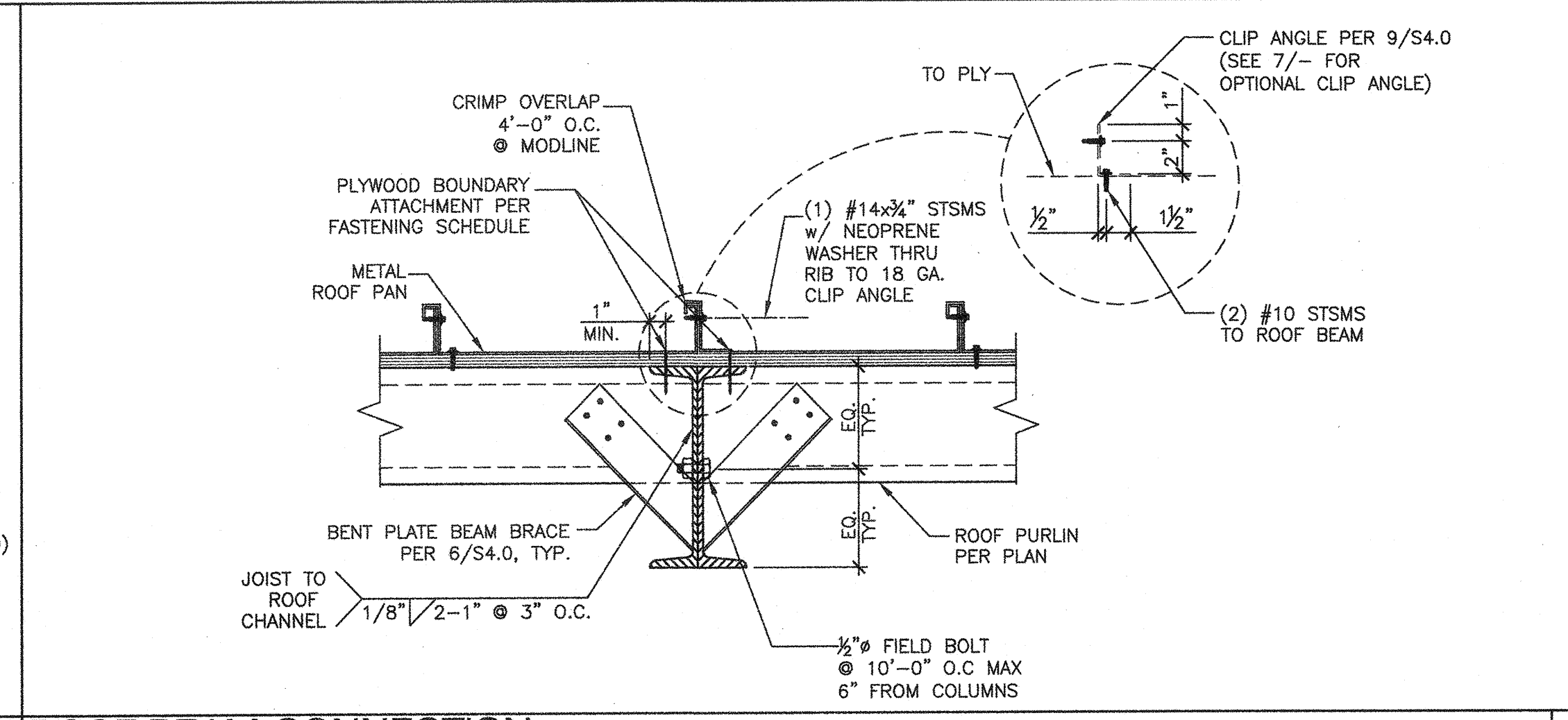
5 TYPICAL FASCIA BEAM ATTACHMENT DETAIL SCALE: 1 1/2"=1'-0"



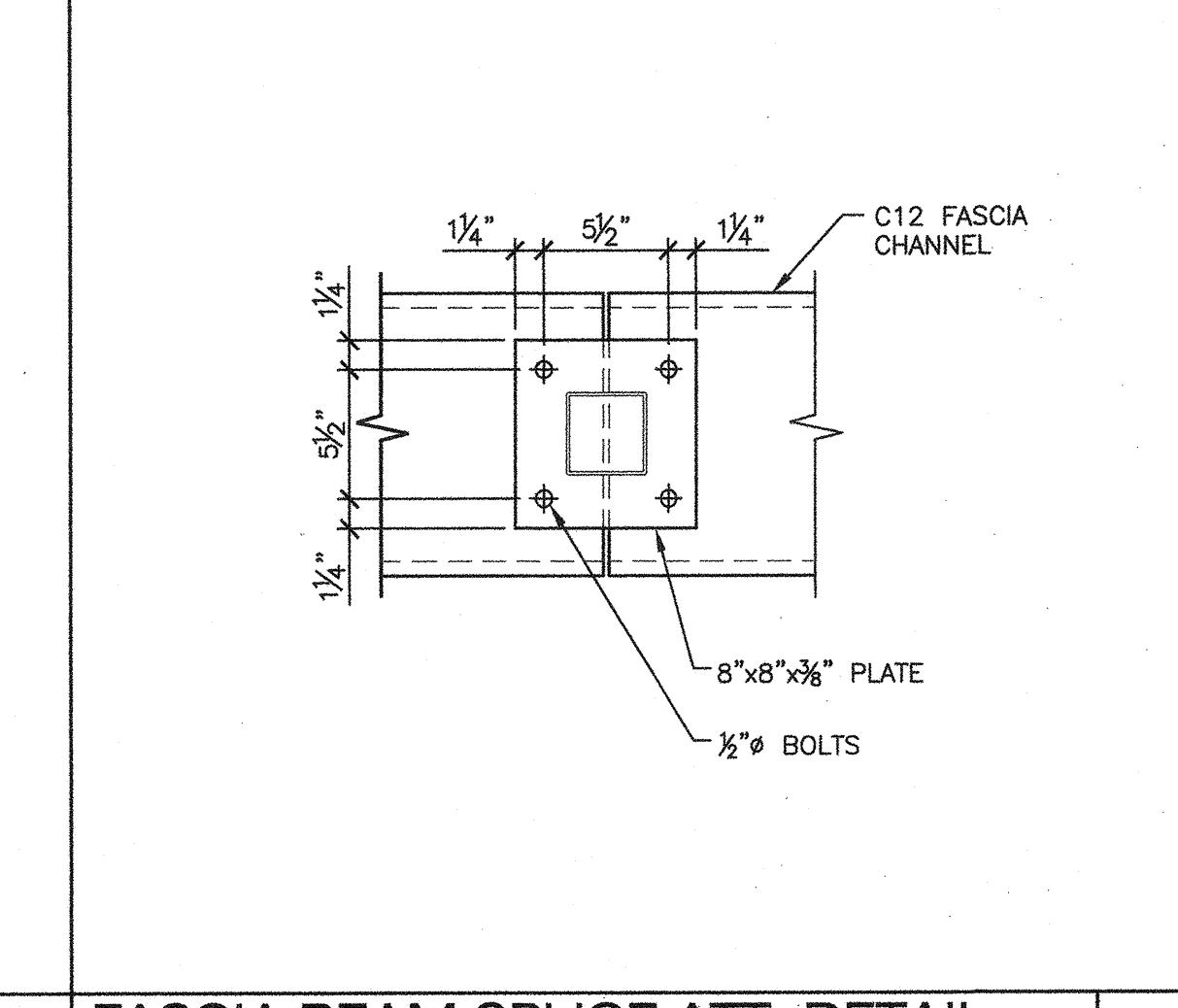
6 FASCIA BEAM ATTACHMENT DETAIL @ ALTERNATE 10GA. ROOF BEAM SCALE: 1 1/2"=1'-0"



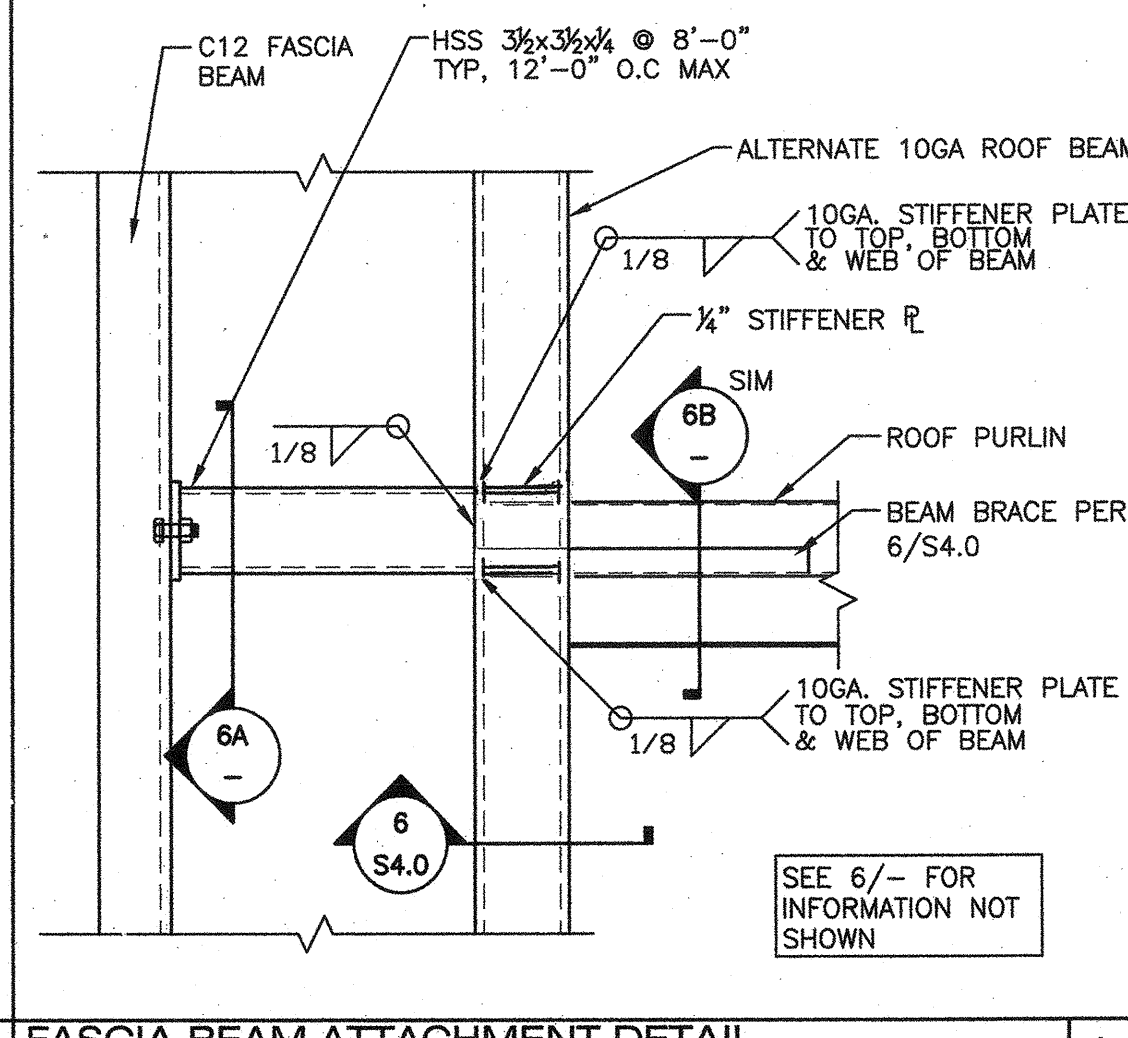
7 ROOF DETAIL (OPTIONAL ROOF PAN CLIP) SCALE: 1 1/2"=1'-0"



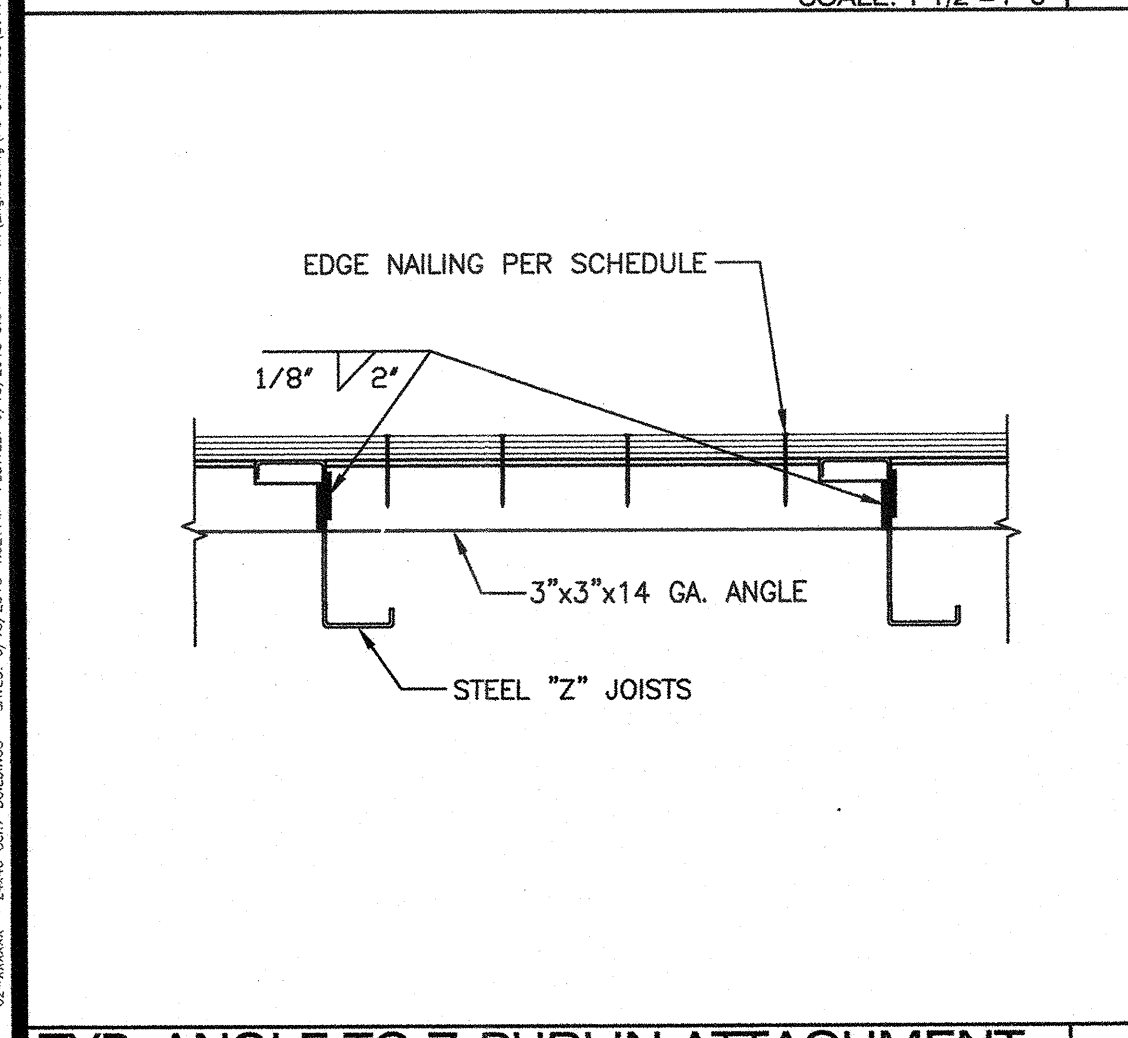
8 ROOF BEAM CONNECTION SCALE: 1 1/2"=1'-0"



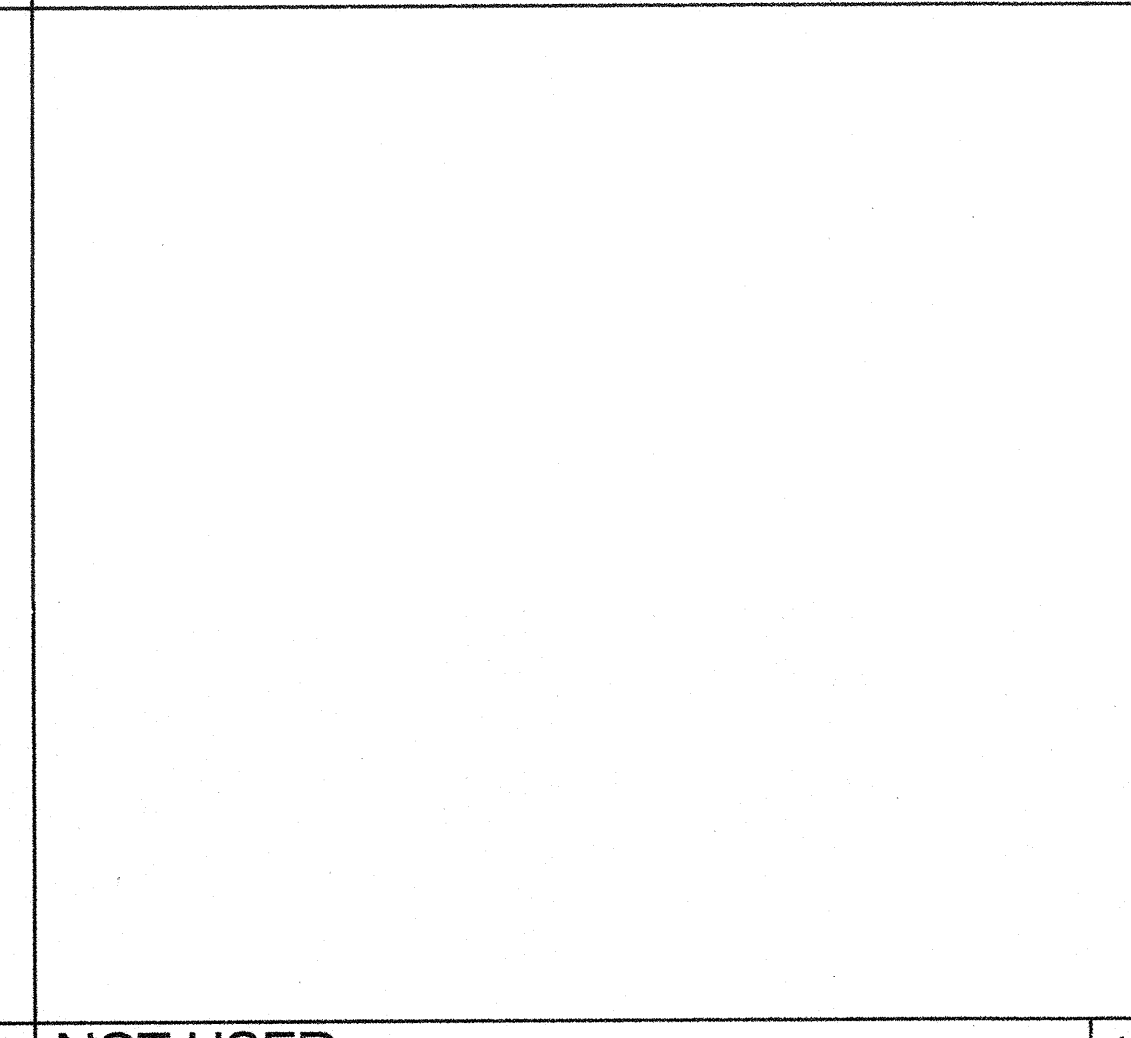
9 FASCIA BEAM SPLICE ATT. DETAIL SCALE: 1 1/2"=1'-0"



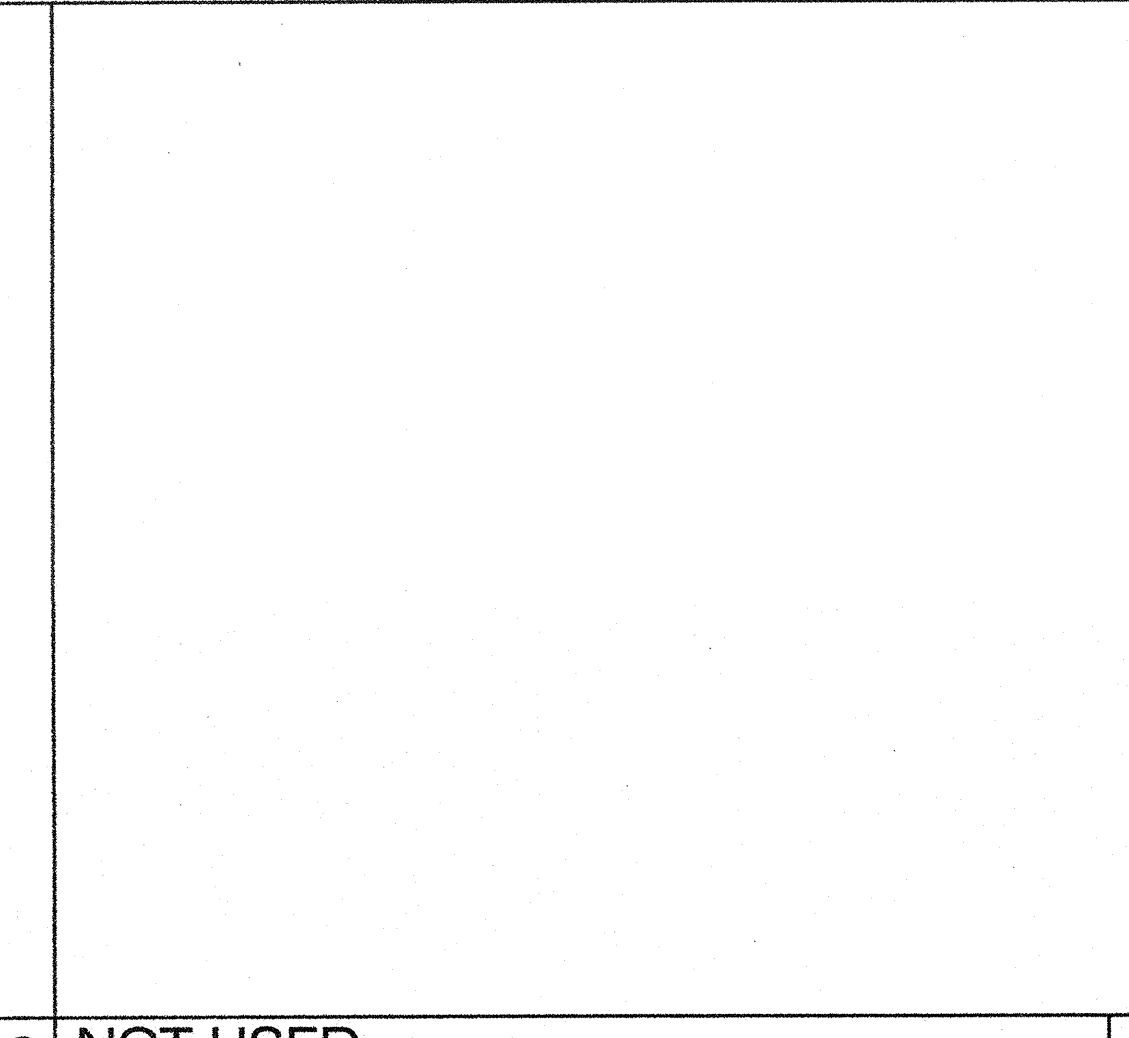
10 FASCIA BEAM ATTACHMENT DETAIL @ ALTERNATE 10GA. ROOF BEAM SCALE: 1 1/2"=1'-0"



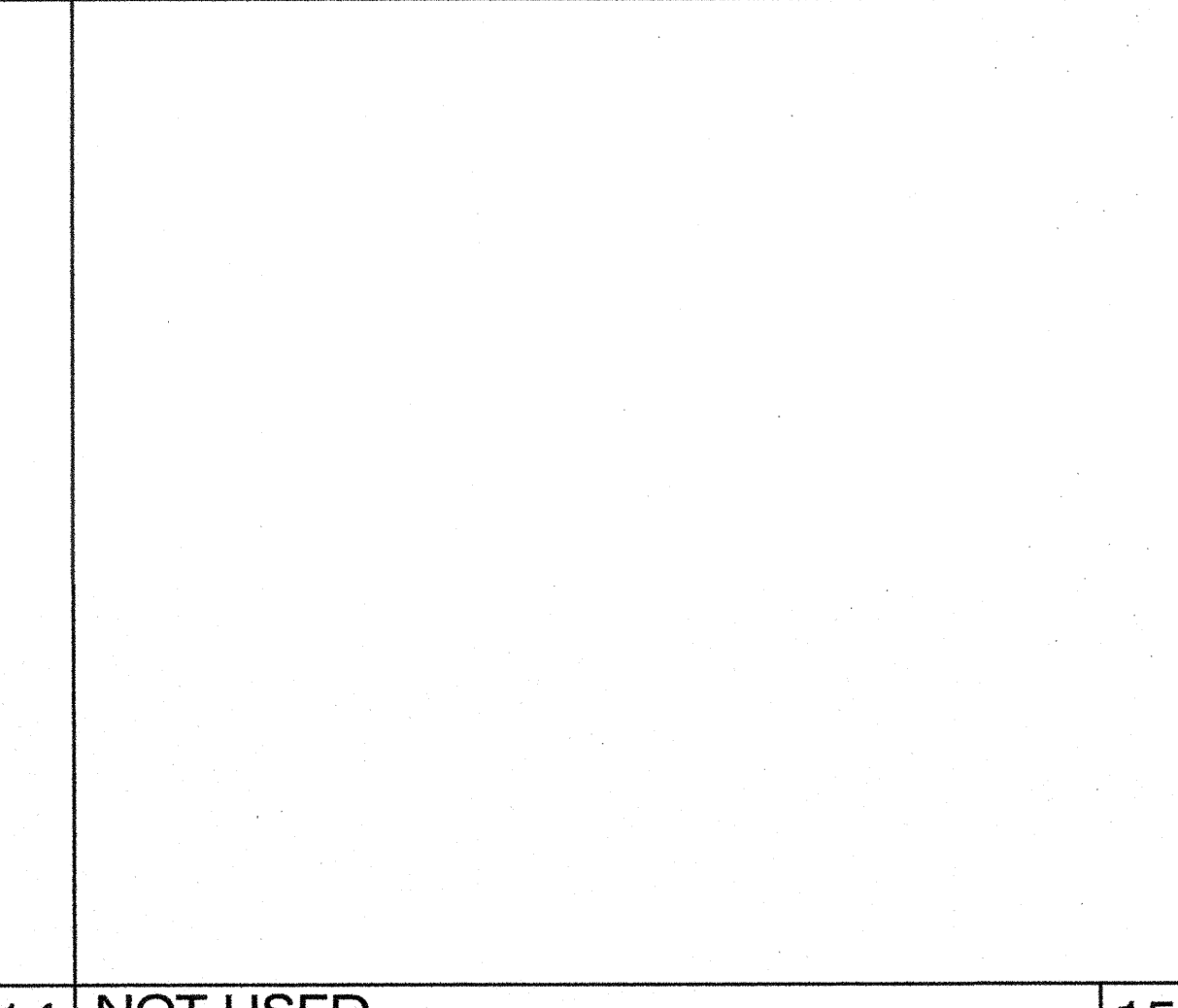
11 TYP. ANGLE TO Z-PURLIN ATTACHMENT SCALE: 1 1/2"=1'-0"



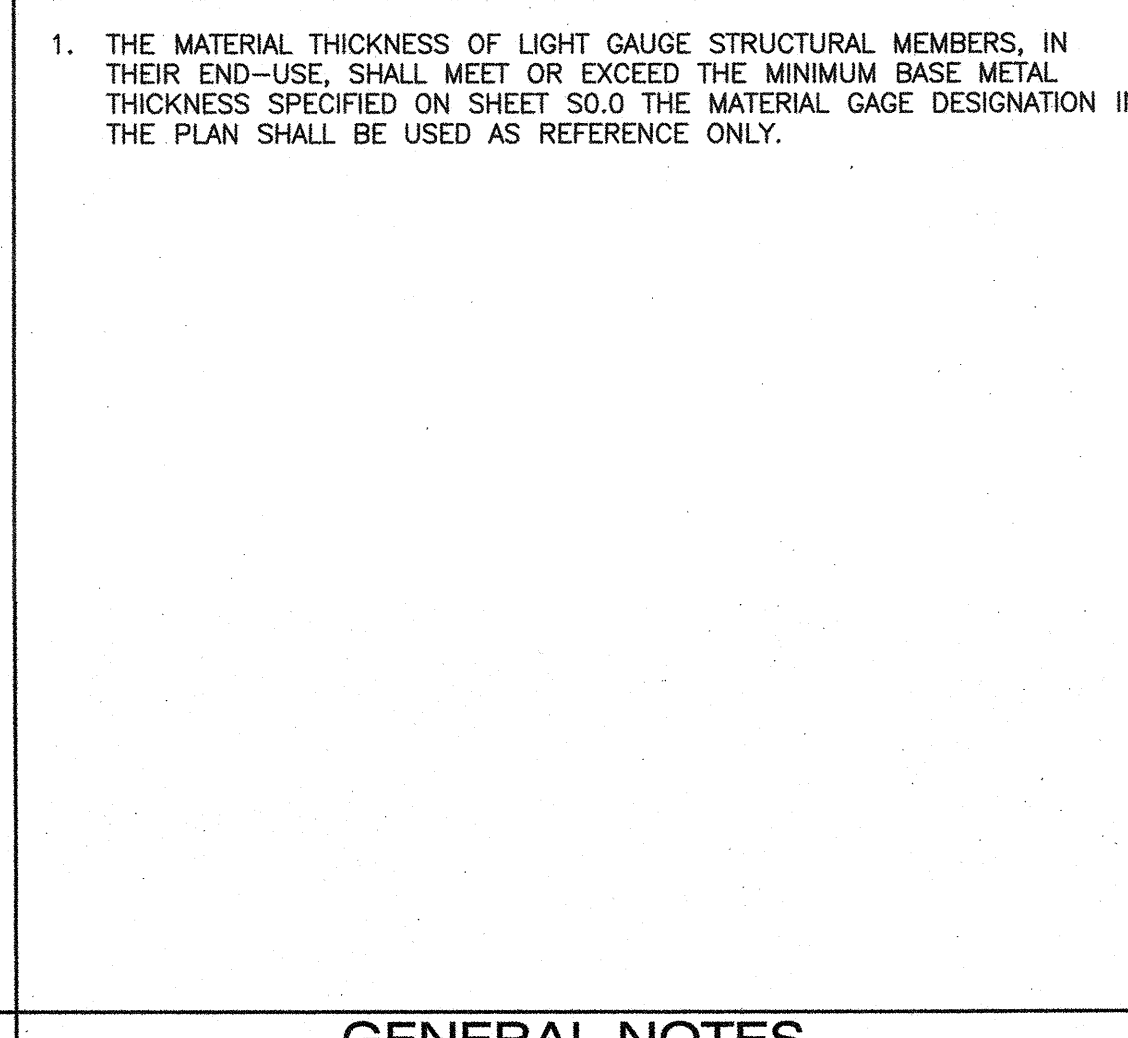
12 TYP. ANGLE TO Z-PURLIN ATTACHMENT SCALE: 1 1/2"=1'-0"



13 NOT USED



14 NOT USED



15 NOT USED

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PRE-CHECKED SET NAME
30x32' THRU 150x32' BUILDINGS

Gen7
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SITE SPECIFIC PROJECT NAME

SHEET TITLE
ROOF FRAMING DETAILS

MANUFACTURER PROFESSIONAL OF RECORD ON PC

Licensed Architect
JAMES PATRICK COOPER
No. 12823
Exp. 3-31-18
STATE OF CALIFORNIA

Professional Engineer
No. 5322
Robert J. James
STATE OF CALIFORNIA

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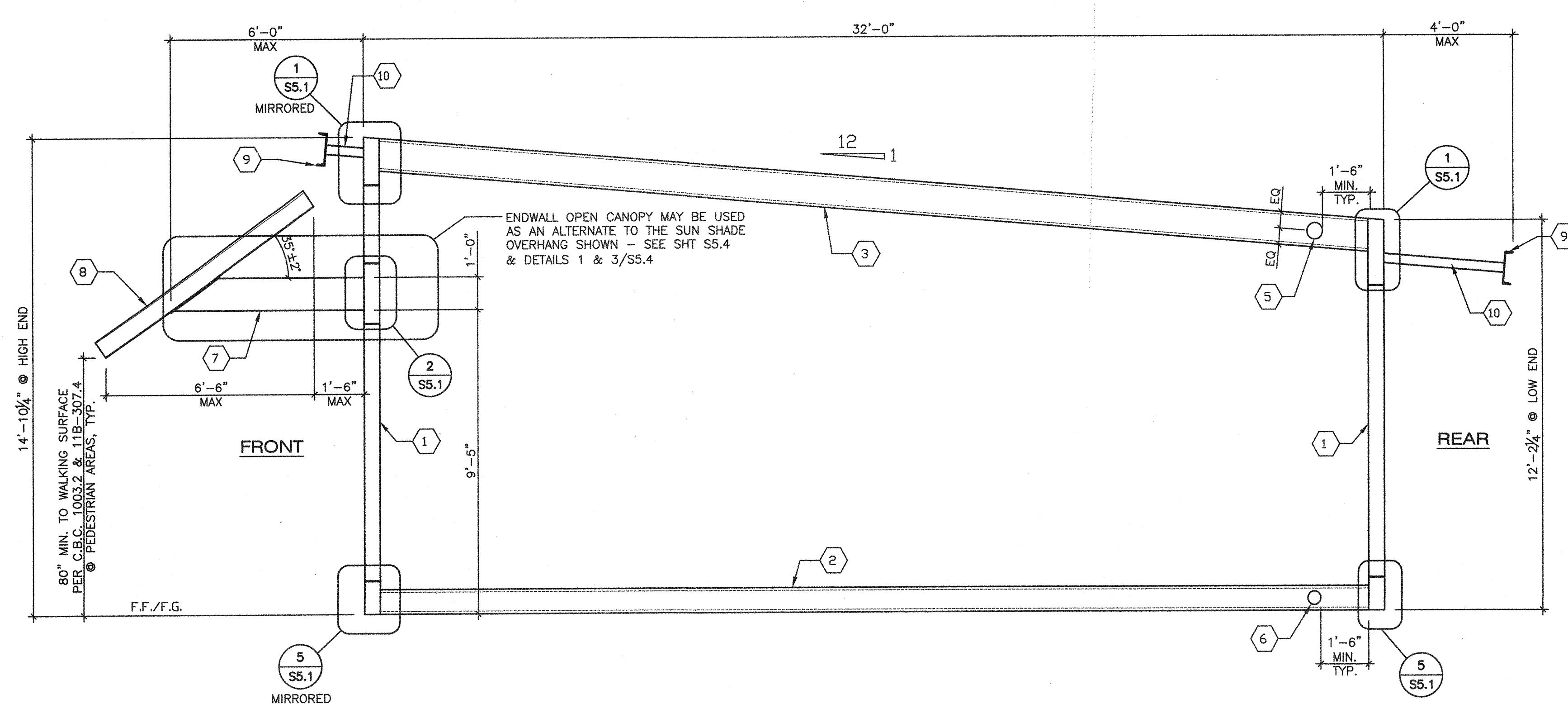
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S4.2



TYPICAL LONGITUDINAL FRAME ELEVATION

- 1 HSS COLUMN - SEE SCHEDULES 3/- BELOW
- 2 FLOOR BEAM - SEE SCHEDULES 3/- BELOW
- 3 LONGITUDINAL ROOF BEAM - SEE SCHEDULES 3/- BELOW
- 4 TRANSVERSE ROOF BEAM - SEE SCHEDULES 3/- BELOW
- 5 6" MAX OPENING IN WEB OF ROOF BEAM WITHOUT WEB REINFORCEMENT. MINIMUM SPACING OF HOLES @ 48" O.C. HOLES MAY OCCUR @ ANY LOCATION ALONG LENGTH OF ROOF BEAM EXCEPT AS NOTED OTHERWISE ON FRAMING ELEVATION. - SEE 6/SS.1
NOTE: IF HOLE IS 3" OR LESS THEY MAY BE SPACED @ 24" O.C. MINIMUM
- 6 4" MAX OPENING IN WEB OF FLOOR BEAM WITHOUT WEB REINFORCEMENT. MINIMUM SPACING OF HOLES @ 48" O.C. HOLES MAY OCCUR @ ANY LOCATION ALONG LENGTH OF FLOOR BEAM WITH DIRECT FOUNDATION SUPPORT BELOW. OPENINGS ARE NOT ALLOWED WHERE BEAMS ARE SPANNING BETWEEN FOUNDATIONS OR ACROSS VENT OPENINGS. - SEE 6/SS.1
NOTE: IF HOLE IS 2" OR LESS THEY MAY BE SPACED @ 24" MINIMUM
- 7 HSS 12"x3"x1/4" SUN SHADE OVERHANG OUTRIGGER
SEE SHEET SS.2 & DETAIL 2/SS.1
- 8 SUN SHADE OVERHANG - REFER TO SHEET SS.2 FOR DETAILS
- 9 C12x20.7 UPPER OVERHANG FASCIA CHANNEL
- 10 HSS 3/2"x3/2"x1/4"
- 11 ALTERNATE OPEN CANOPY - REFER TO SHEET SS.4 FOR DETAILS



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SITE SPECIFIC PROJECT NAME

SHEET TITLE
MOMENT FRAME ELEVATIONS

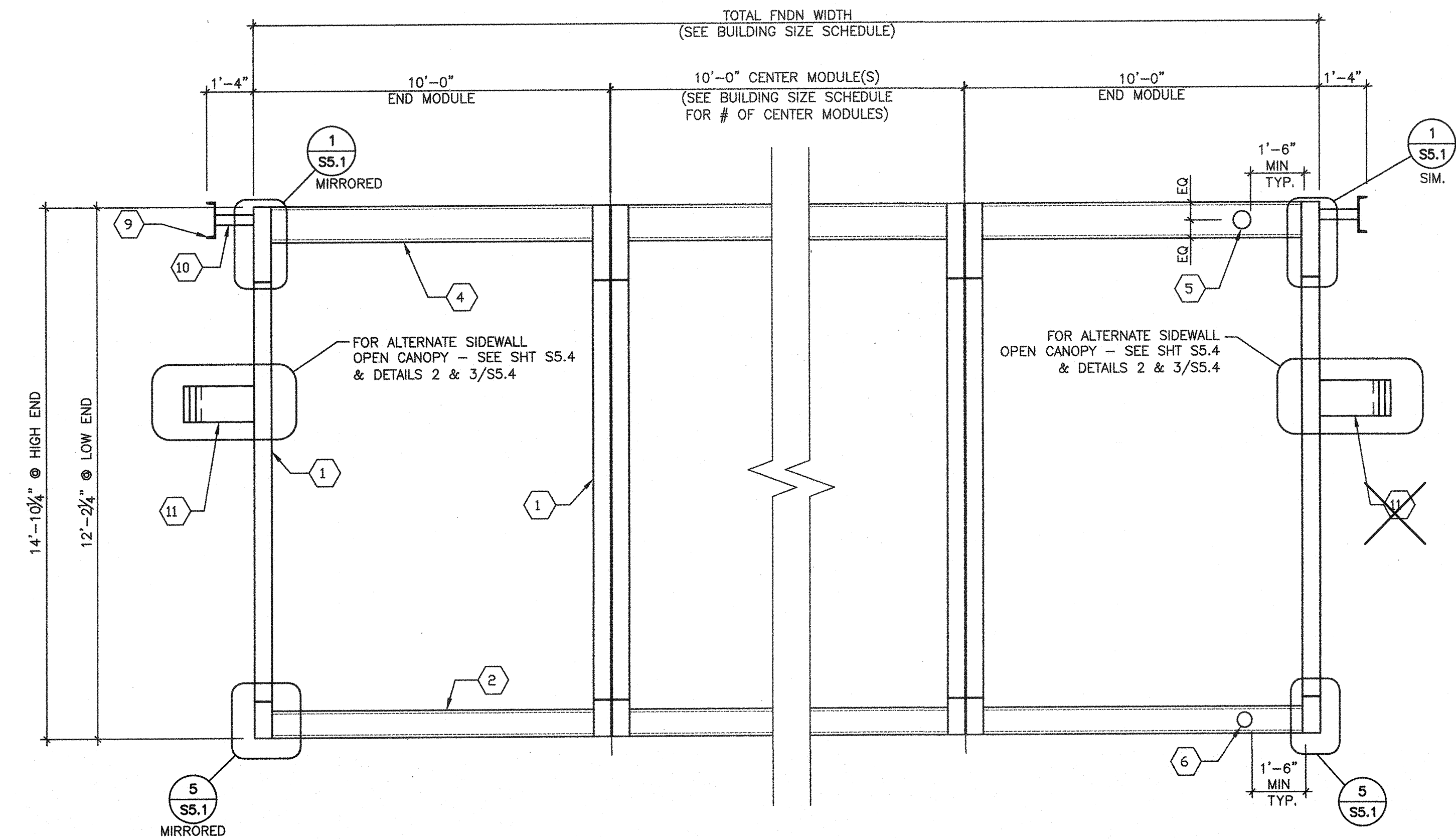
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LICENSED ARCHITECT
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No. 5332
ROBERT J. SIMON
No. 5332
STATE OF CALIFORNIA

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S5.0



TYPICAL TRANSVERSE FRAME ELEVATION

FLOOR BEAMS		ALT. FLOOR BEAMS		COLUMNS	LONGITUDINAL ROOF CHANNEL (1)	TRANSVERSE ROOF CHANNEL (1)
PLYWOOD FLOOR	CONCRETE FLOOR	PLYWOOD FLOOR	CONCRETE FLOOR			
C6x13.4 (50 KSI)	C9x13.4 (50 KSI)	C10x13.3 (36 KSI)	C10x13.3 (36 KSI)	HSS 5x5x1/4	C12x20.7 (36 KSI)	C12x20.7 (36 KSI)

1. SEE SHEET S0.0 & S5.3 FOR ALTERNATE 10 GAUGE ROOF BEAMS.

FRAME MEMBER SCHEDULE

BUILDING SIZE SCHEDULE			
BUILDING SIZE	TOTAL # OF 10'-0" WIDE MODULES	TOTAL # OF CENTER MODULES	TOTAL ENDN WIDTH
<input type="checkbox"/> 30'x32'	3	1	30'-3/4"
<input type="checkbox"/> 40'x32'	4	2	40'-1"
<input type="checkbox"/> 50'x32'	5	3	50'-1 1/4"
<input checked="" type="checkbox"/> 60'x32'	6	4	60'-1 1/2"
<input type="checkbox"/> 70'x32'	7	5	70'-1 3/4"
<input type="checkbox"/> 80'x32'	8	6	80'-2"
<input type="checkbox"/> 90'x32'	9	7	90'-2 1/4"
<input type="checkbox"/> 100'x32'	10	8	100'-2 1/2"
<input type="checkbox"/> 110'x32'	11	9	110'-2 3/4"
<input type="checkbox"/> 120'x32'	12	10	120'-3"
<input type="checkbox"/> 130'x32'	13	11	130'-3 1/4"
<input type="checkbox"/> 140'x32'	14	12	140'-3 1/2"
<input type="checkbox"/> 150'x32'	15	13	150'-3 3/4"

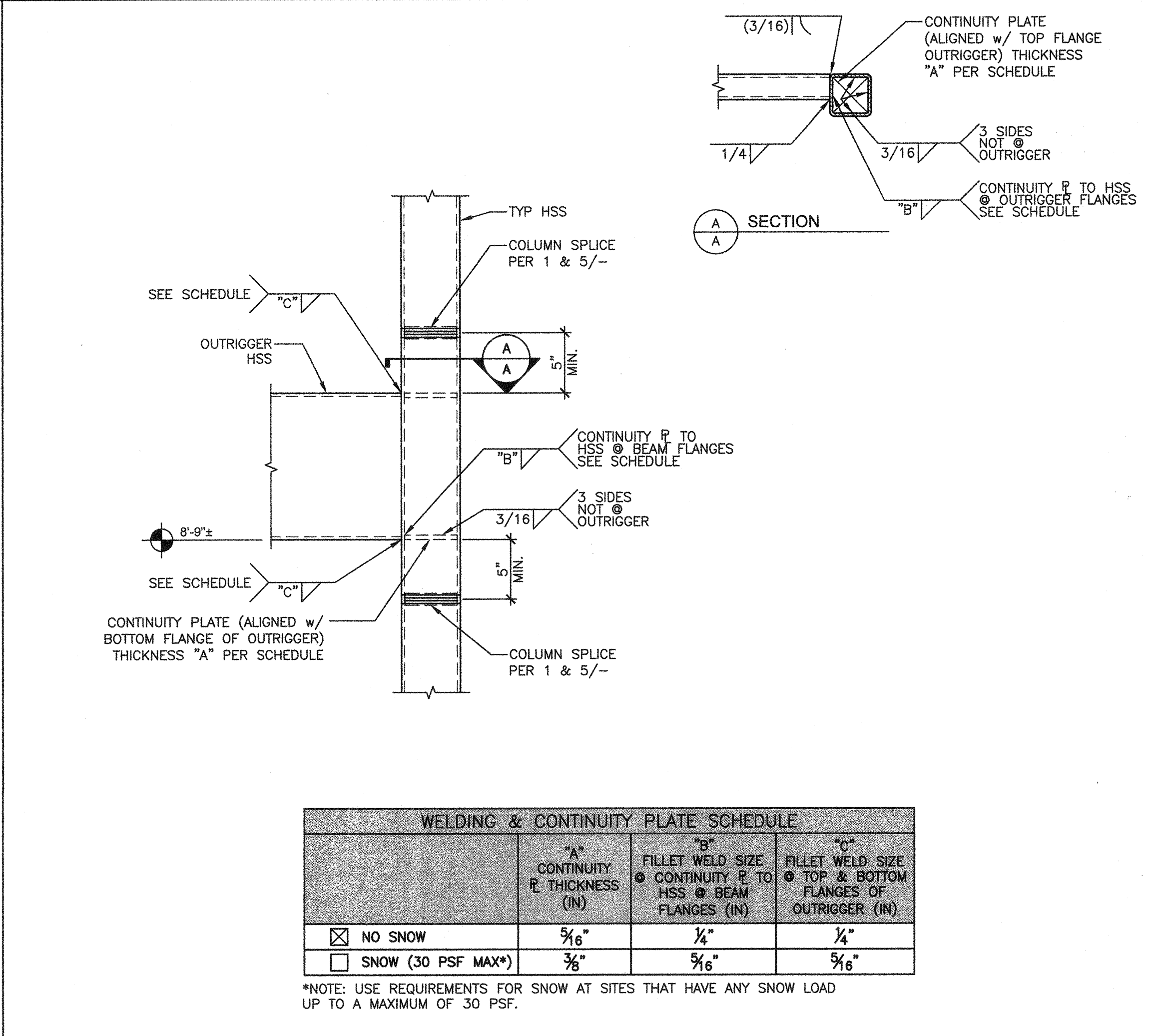
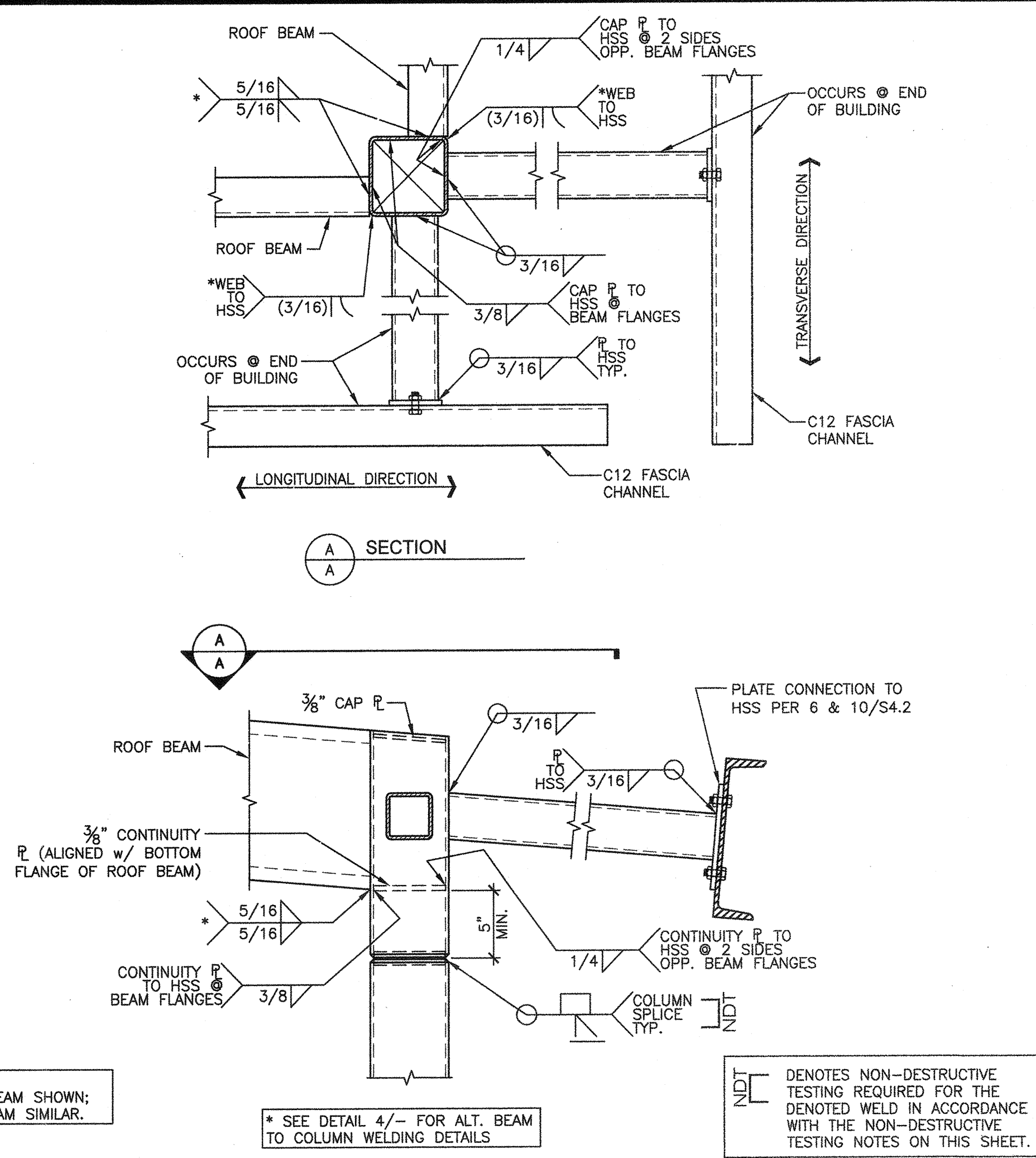
NOTES:
1. TOTAL BUILDING WIDTH INCLUDES 1/4" PER MODULE CONSTRUCTION TOLERANCE PER FOUNDATION SHEETS S1.1, S1.2, & S1.3

BUILDING SIZE SCHEDULE

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

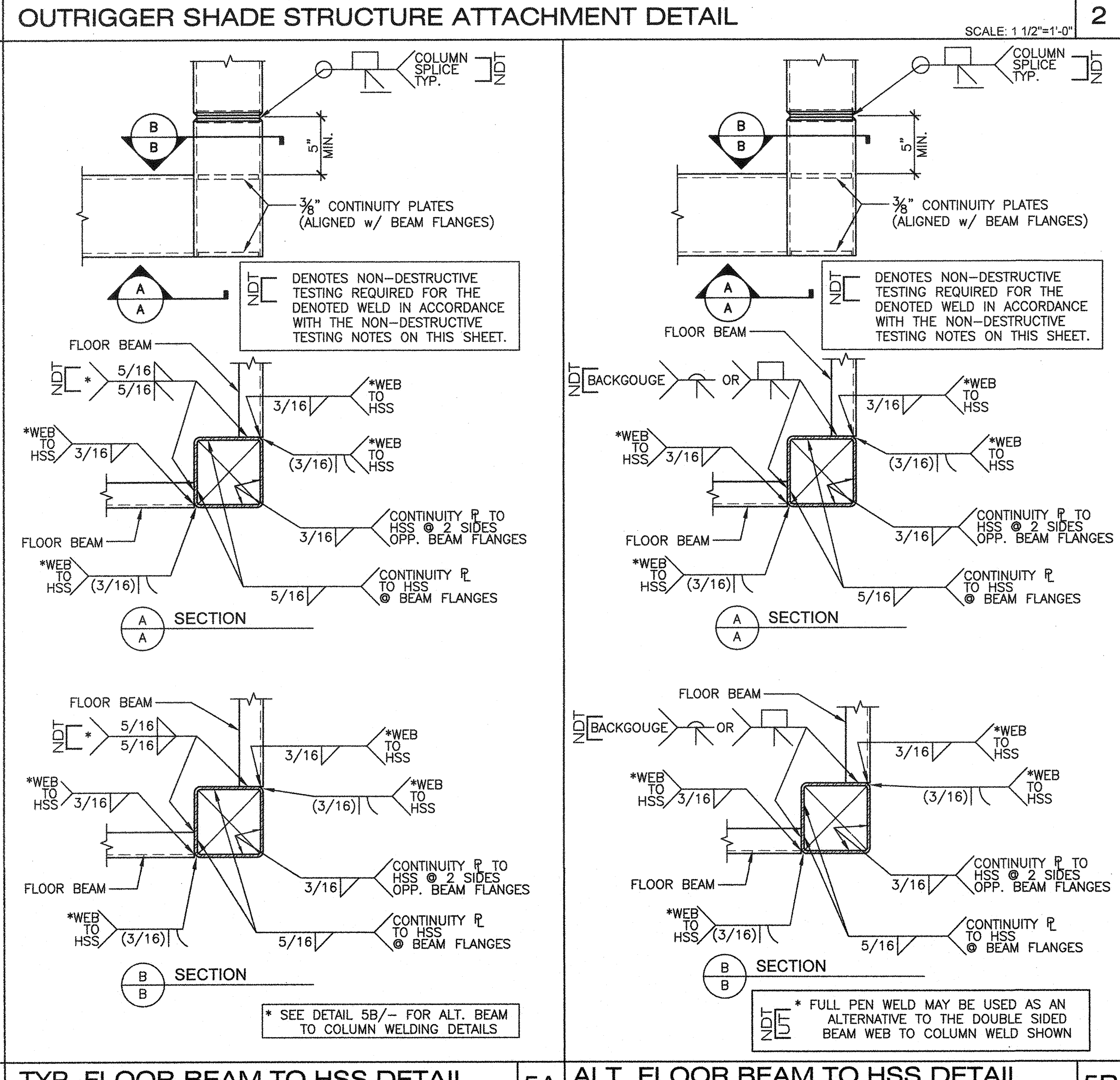
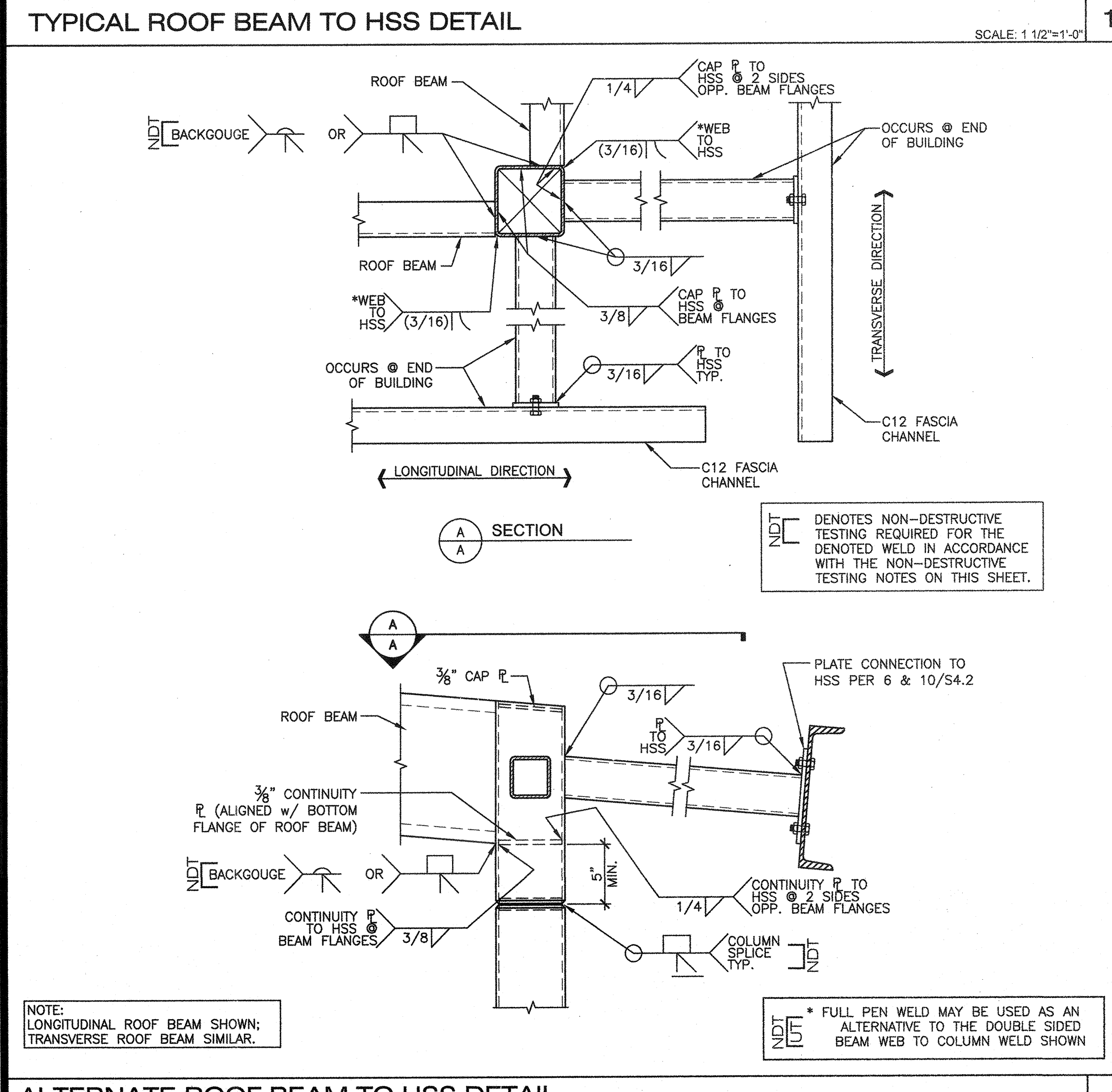
SCALE: 3/8"=1'-0" 1

KEY NOTES



	"A" CONTINUITY PLATE THICKNESS (IN)	"B" FILLET WELD SIZE @ CONTINUITY PLATE TO HSS @ BEAM FLANGES (IN)	"C" FILLET WELD SIZE @ TOP & BOTTOM FLANGES OF OUTRIGGER (IN)
NO SNOW	3/8"	3/8"	3/8"
SNOW (30 PSF MAX*)	3/8"	3/8"	3/8"

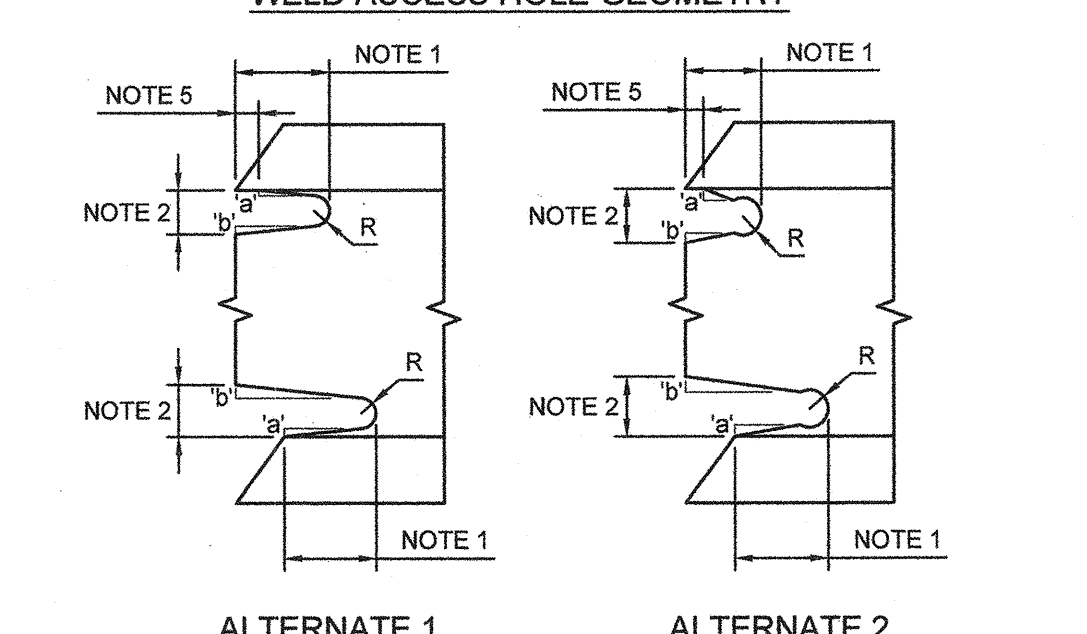
*NOTE: USE REQUIREMENTS FOR SNOW AT SITES THAT HAVE ANY SNOW LOAD UP TO A MAXIMUM OF 30 PSF.



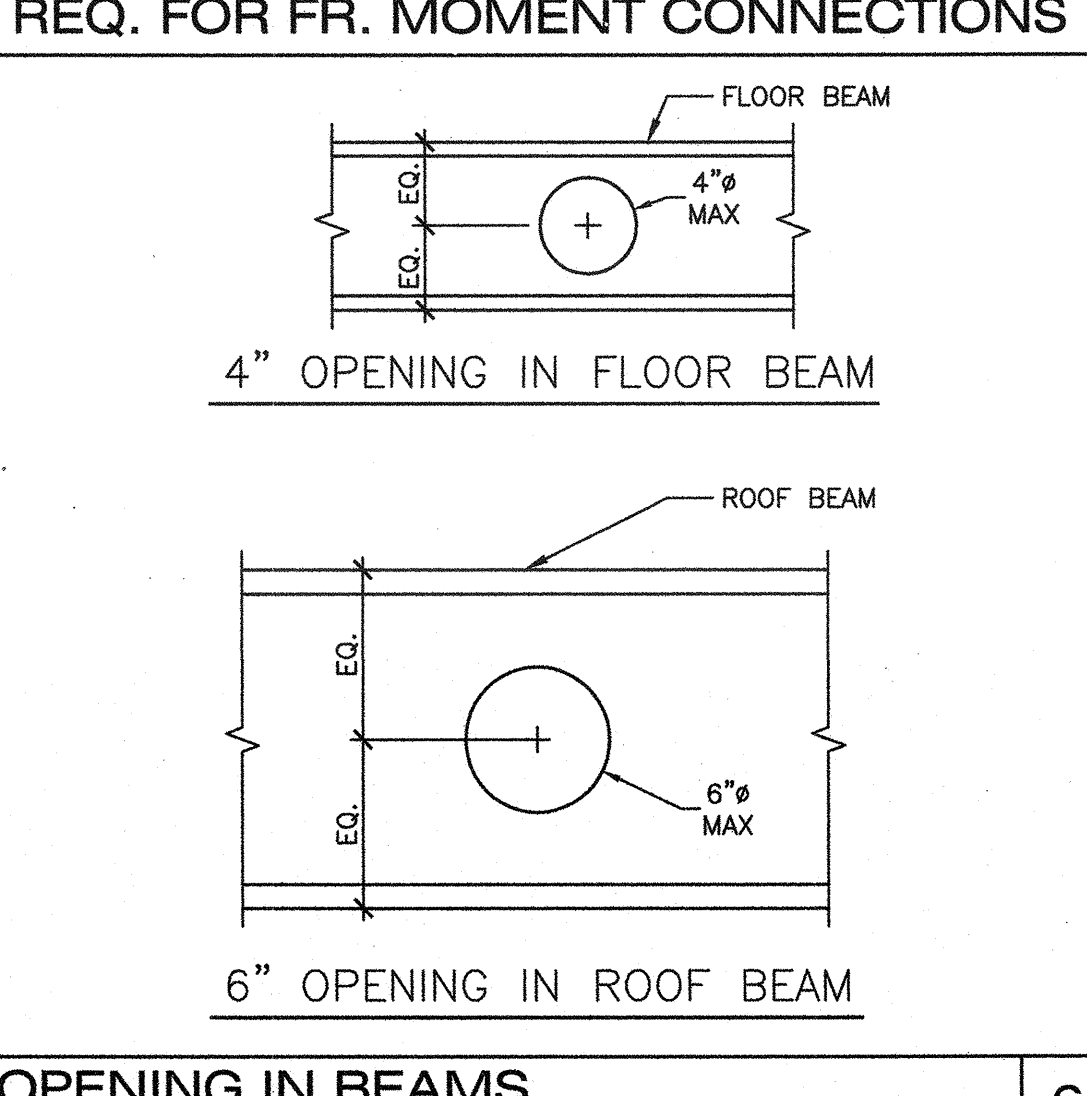
THE WELDING PROCEDURE QUALIFICATION TEST RECORD AND WELDING PROCEDURE SPECIFICATION FOR THIS WELD SHALL BE PREPARED IN ACCORDANCE WITH AWS D1.1-10, D1.3-08, & D1.8-09 SUBMITTED TO THE STRUCTURAL ENGINEER FOR REVIEW AND SUBMITTAL TO THE D.S.A. TYPICAL ALL DETAILS THIS SHEET. ALL WELDS USED IN PRIMARY MEMBERS AND CONNECTIONS IN THE LATERAL FORCE-RESISTING SYSTEMS SHALL BE MADE WITH FILLER METAL THAT HAS A MINIMUM CHARPY V-NOTCH TOUGHNESS OF 20 FT.-LBS AT ZERO DEGREES F, AS DETERMINED BY AWS CLASSIFICATION.

- ### GENERAL NOTES
- NON-DESTRUCTIVE TESTING OF COMPLETE JOINT PENETRATION GROOVE WELDS AT THE MOMENT-RESISTING BEAM-TO-COLUMN CONNECTIONS SHALL COMPLY WITH AISC 341-10 CHAPTER J PER CBC 1705A.2.1.
 - WELDS SUBJECT TO THE REQUIREMENTS OF NON-DESTRUCTIVE TESTING ARE NOTED ON THESE DRAWINGS WITH THE SYMBOL:
 - ALL WELDS DESIGNATED FOR NON-DESTRUCTIVE TESTING REQUIRE MAGNETIC PARTICLE TESTING (MT) TO BE PERFORMED ON 25% OF THOSE WELDS.
 - ULTRASONIC TESTING (UT) IS TO BE PERFORMED ON 100% OF WELDS DENOTED WITH THE SYMBOL:
 - ULTRASONIC TESTING (UT) IS ONLY REQUIRED WHERE THE THICKNESS OF THE COLUMN IS 5/16" OR GREATER. UT IS NOT REQUIRED WHERE THE COLUMN THICKNESS IS LESS THAN 5/16". MAGNETIC PARTICLE TESTING (MT) IS STILL REQUIRED.
 - ULTRASONIC TESTING (UT) IS NOT REQUIRED ON WELDS FROM STRUCTURAL STEEL CHANNEL BEAM FLANGES TO COLUMNS AS UT TESTING IS NOT APPROPRIATE FOR SECTIONS WITH VARYING DEPTHS. MAGNETIC PARTICLE TESTING (MT) IS STILL REQUIRED.

- ### NON-DESTRUCTIVE TESTING NOTES
- FILLER METALS SHALL CONFORM TO THE REQUIREMENTS OF THE AISC SEISMIC PROVISIONS.
 - WELDING PROCEDURES SHALL BE IN ACCORDANCE WITH THE AISC SEISMIC PROVISIONS.
 - QUALITY CONTROL AND QUALITY ASSURANCE SHALL BE IN ACCORDANCE WITH THE AISC SEISMIC PROVISIONS.
 - WELD ACCESS HOLES SHALL BE IN ACCORDANCE WITH AISC 360-10, SECTION J1.6, AND SHALL BE CONSTRUCTED PER THE FOLLOWING DETAILS & NOTES.



- ### REQ. FOR FR. MOMENT CONNECTIONS
- LENGTH: GREATER OF 1.5tw OR 1-1/2 IN. (38 MM)
 - HEIGHT: GREATER OF 1.0tw OR 3/4 IN. (19 MM) BUT NEED NOT EXCEED 2 IN. (50 MM)
 - R: 3/8 IN. MIN. (10 MM). GRIND THE THERMALLY CUT SURFACES OF WELD ACCESS HOLES IN HEAVY SHAPES AS DEFINED IN SECTIONS A3.1(c) AND (d) OF AISC 360-10.
 - SLOPE 'g' FORMS A TRANSITION FROM THE WEB TO THE FLANGE. SLOPE 'b' MAY BE HORIZONTAL.
 - THE BOTTOM OF THE TOP FLANGE IS TO BE CONTOURED TO PERMIT THE TIGHT FIT OF BACKING BARS WHERE THEY ARE TO BE USED.



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PRE-CHECKED SET NAME
30'x32' THRU 150'x32' BUILDINGS

Gen7
 healthy schools delivered

SITE SPECIFIC PROJECT NAME

SHEET TITLE
MOMENT FRAME CONNECTION DETAILS

MANUFACTURER PROFESSIONAL OF RECORD ON PC

STATE OF CALIFORNIA
 REGISTERED PROFESSIONAL ARCHITECT
 No. 3322
 Robert A. Jones

PROJECT SPECIFIC STATE AGENCY APPROVAL

IDENTIFICATION STAMP
 DIV. OF THE STATE ARCHITECT
 APPROX 119722
 AC - FLS - SS 37
 DATE FEB 05 2019

ORIGINAL PC STATE AGENCY APPROVAL

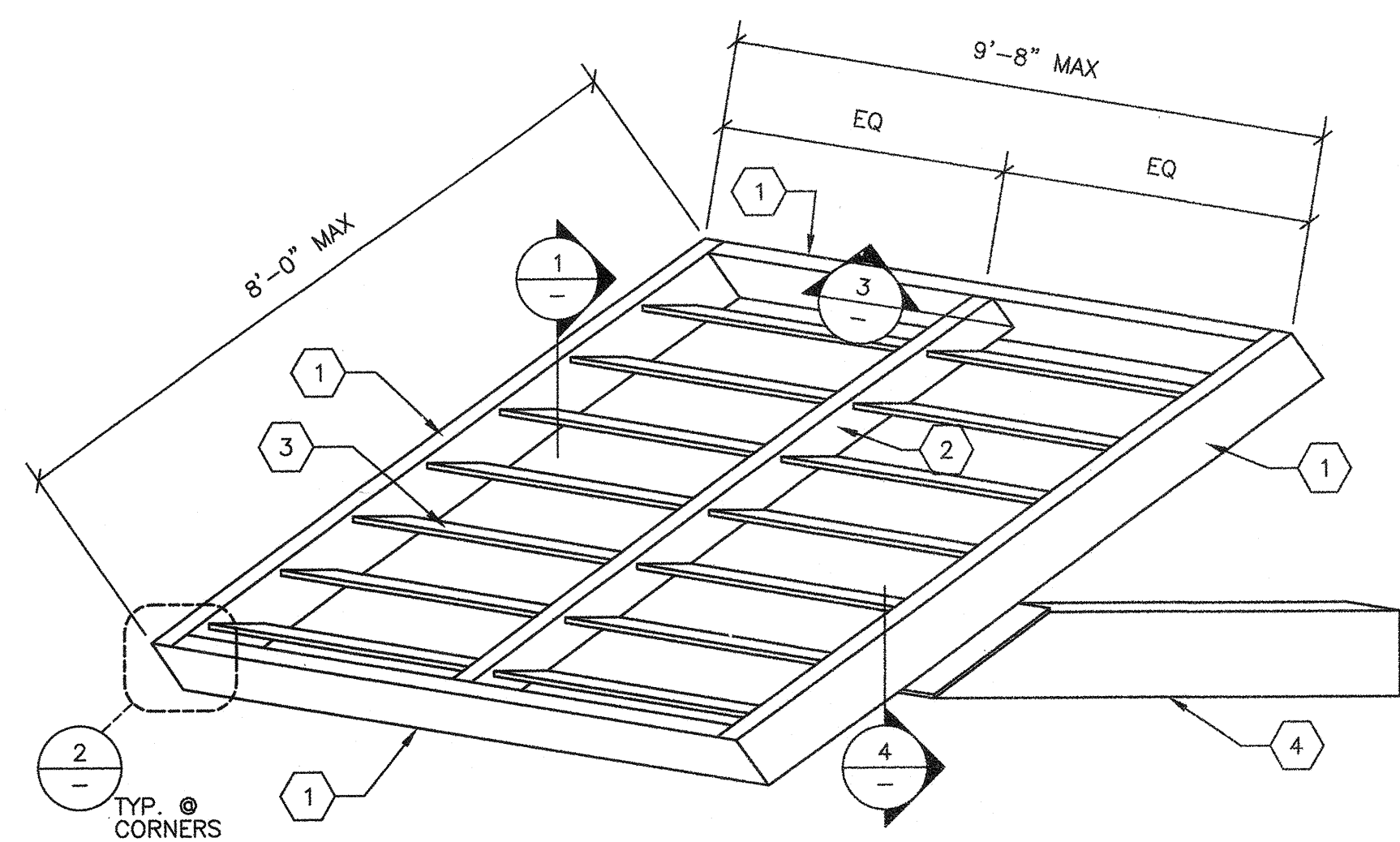
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 DIV. OF THE STATE ARCHITECT
 PC 02-116071
 AC - FLS - SS 37
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REVISIONS

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 SCALE: AS NOTED
 DATE:
 SHEET NUMBER

S5.1



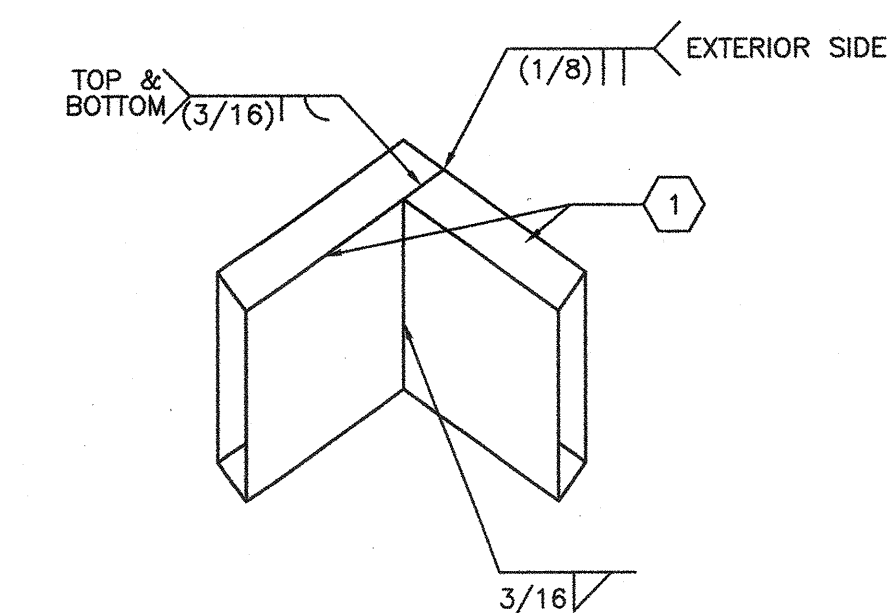
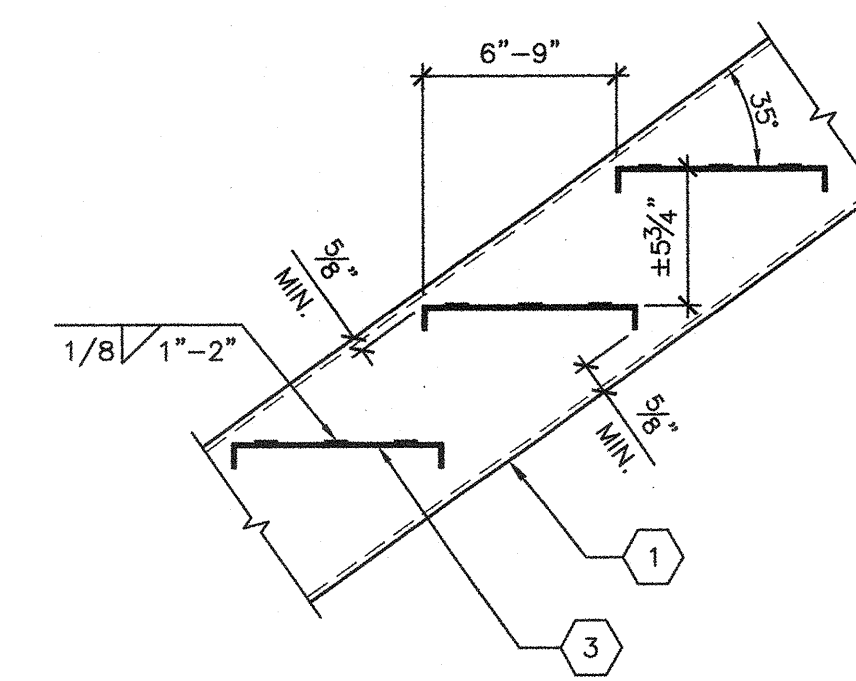
- ① HSS 8"x2"x1/4"
- ② HSS 6"x2"x1/4"
- ③ 8" WIDE x 3/4" x 12 GA. CHANNELS TYP. (USE 10 GA x50 KSI STEEL MIN. WHERE SOLAR PANELS ARE ATTACHED) (USE 1/4"x3/16 KSI OR 3/16" x 50 KSI STEEL @ SITES w/ SNOW LOAD)
- ④ HSS 12"x3"x1/4" OUTRIGGER REFER TO DETAIL 2/SS.1 FOR ATTACHMENT TO HSS COLUMN
- ⑤ HSS 3 1/2" x 3 1/2" x 1/4"
- ⑥ C12x20.7 FASCIA BEAM
- ⑦ 6" WIDE x 3/4" x 12 GA. CHANNELS TYP. (USE 10 GA x 50 KSI STEEL MIN. WHERE SOLAR PANELS ARE ATTACHED) (USE 1/4"x3/16 KSI OR 3/16" x 50 KSI STEEL @ SITES WITH SNOW LOAD)
- ⑧ TYPICAL BUILDING

ROOF LOAD	
<input checked="" type="checkbox"/>	NO SNOW
<input type="checkbox"/>	SNOW (30 PSF MAX)

NOTE:
USE REQUIREMENTS FOR SNOW AT SITES THAT HAVE ANY AMOUNT OF SNOW LOAD UP TO A MAXIMUM OF 30 PSF.

*NOTE:
FOR SECTION PROPERTIES OF LIGHT GAUGE STEEL MEMBERS - SEE SHEET S0.0

KEY NOTES



SUN SHADE OVERHANG PLAN

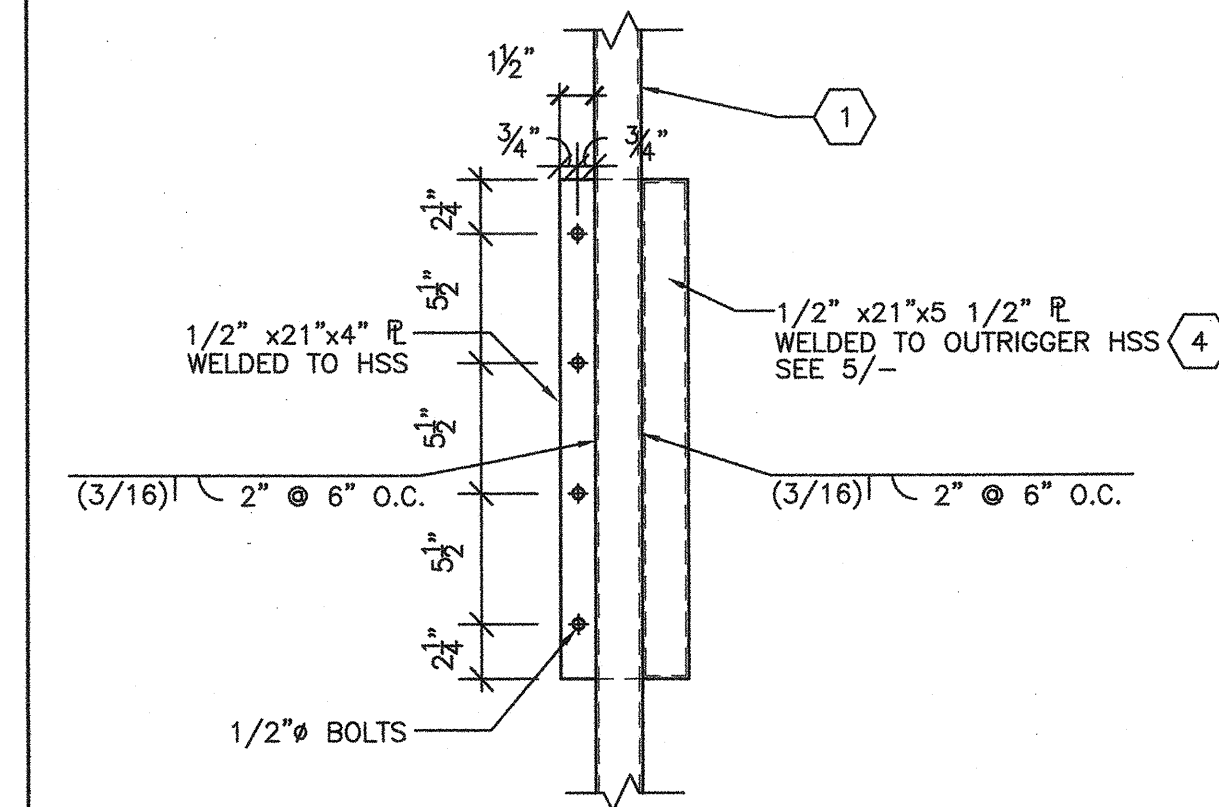
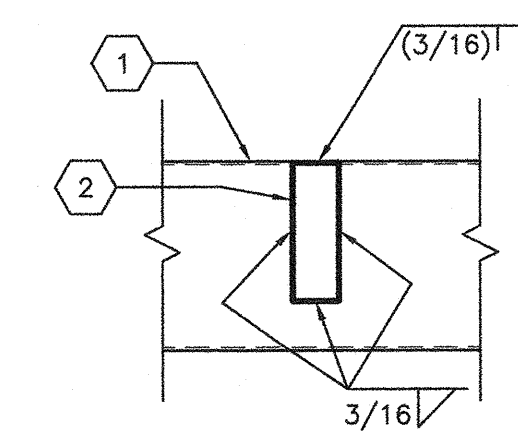
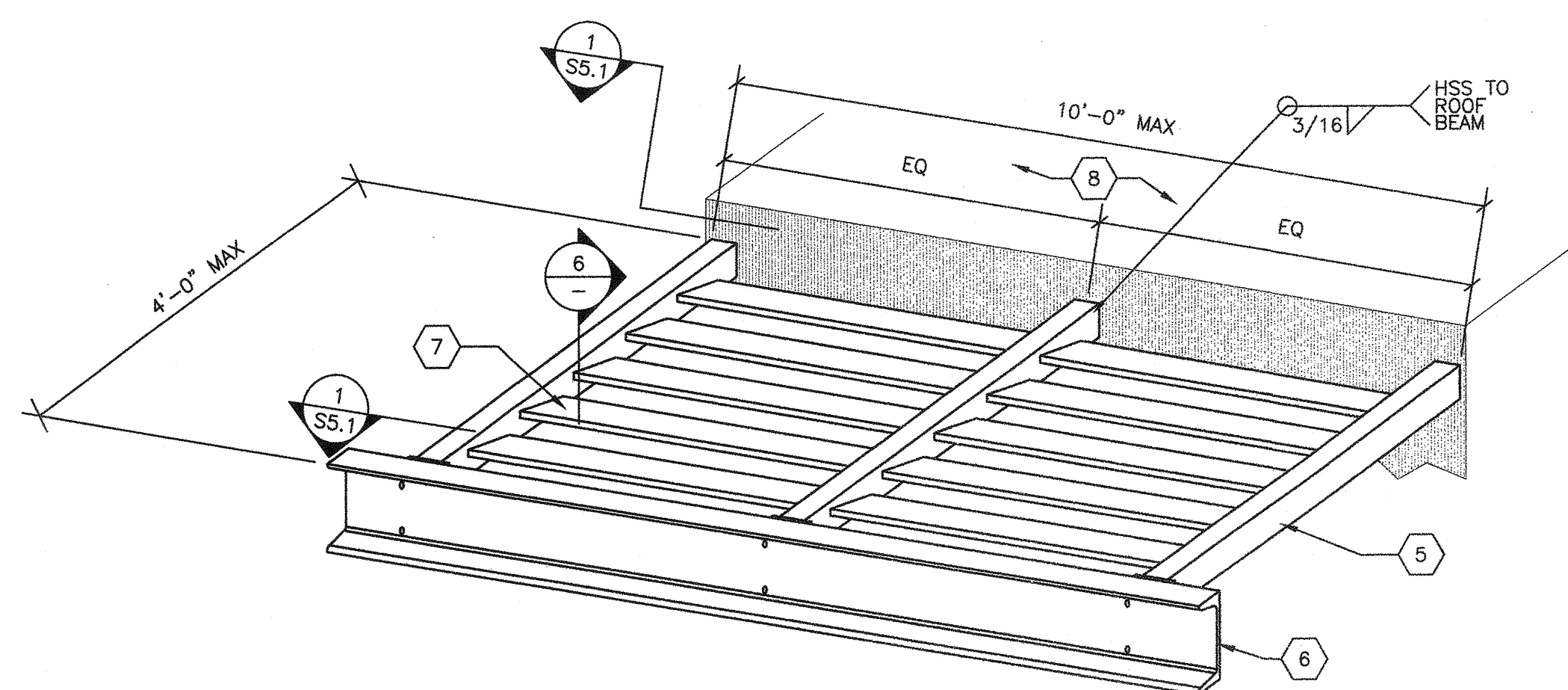
SCALE: 3/4"=1'-0"

DETAIL @ SIDES OF SUN SHADE OVERHANG

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

DETAIL @ CORNERS OF SUN SHADE OVERHANG

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

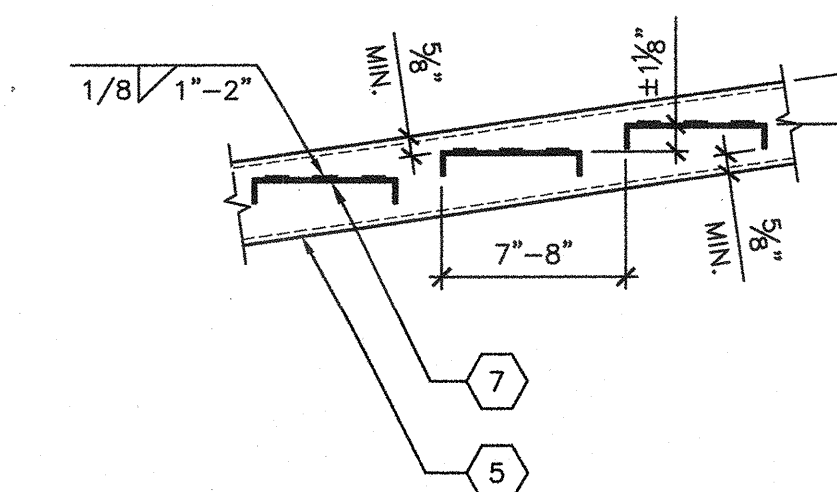
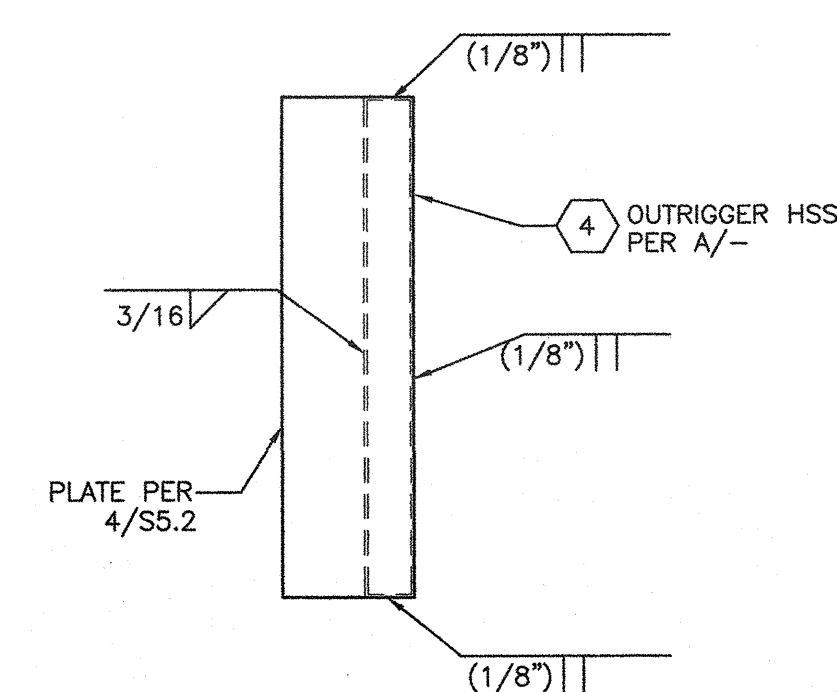


DETAIL @ MID - POINT OF SUN SHADE OVERHANG

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

SUN SHADE OVERHANG TO OUTRIGGER CONNECTION DETAIL

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



REAR ROOF OVERHANG PLAN

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

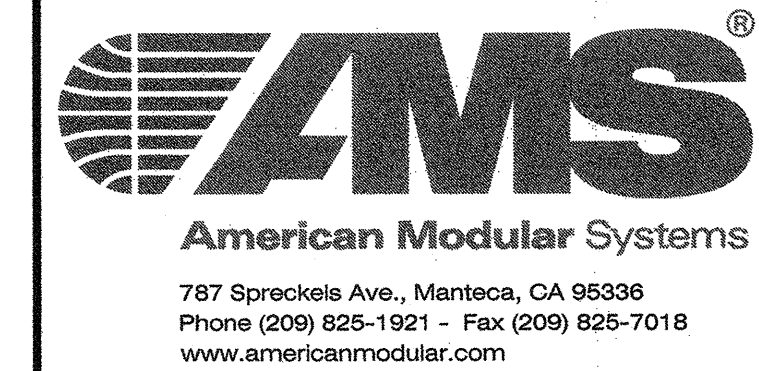
SCALE: 3/4"=1'-0"

PLATE TO SUN SHADE OUTRIGGER CONNECTION DETAIL

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

DETAIL @ SIDES REAR ROOF OVERHANG

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



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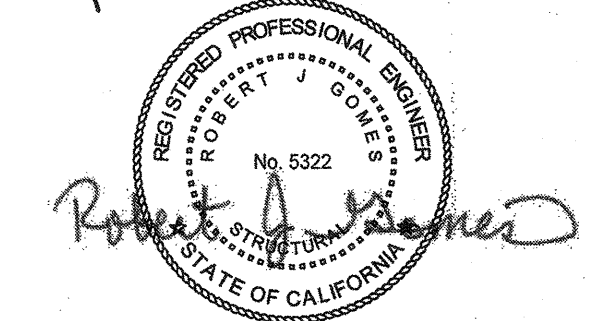
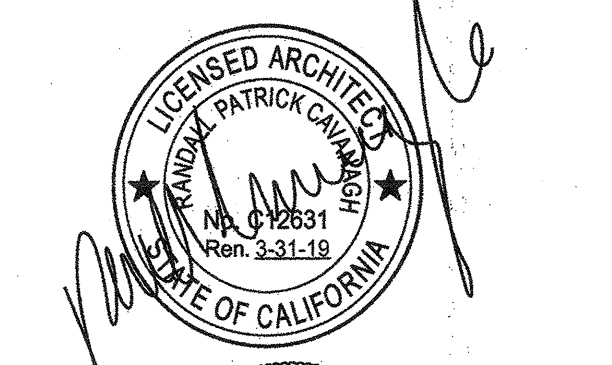
PRE-CHECKED SET NAME
30'x32' THRU 150'x32' BUILDINGS



SITE SPECIFIC PROJECT NAME

SHEET TITLE
SUN SHADE & REAR ROOF OVERHANG PLAN & DETAILS

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PROJECT SPECIFIC STATE AGENCY APPROVAL

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APPROX 119722
AC: FLS SS
DATE: FEB 03 2019

ORIGINAL PC STATE AGENCY APPROVAL

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DIV. OF THE STATE ARCHITECT
PC 02-116071
AC: FLS SS
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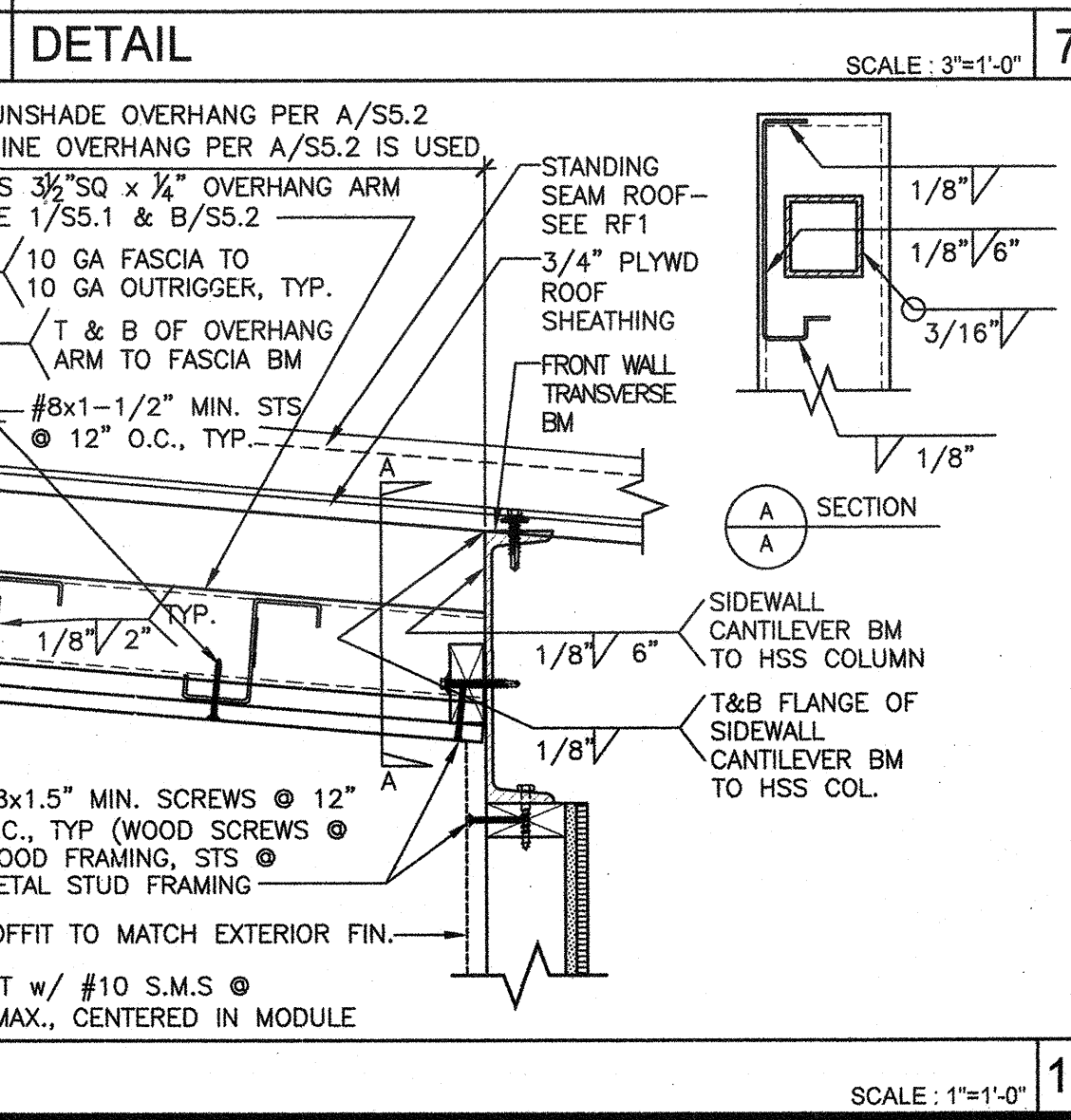
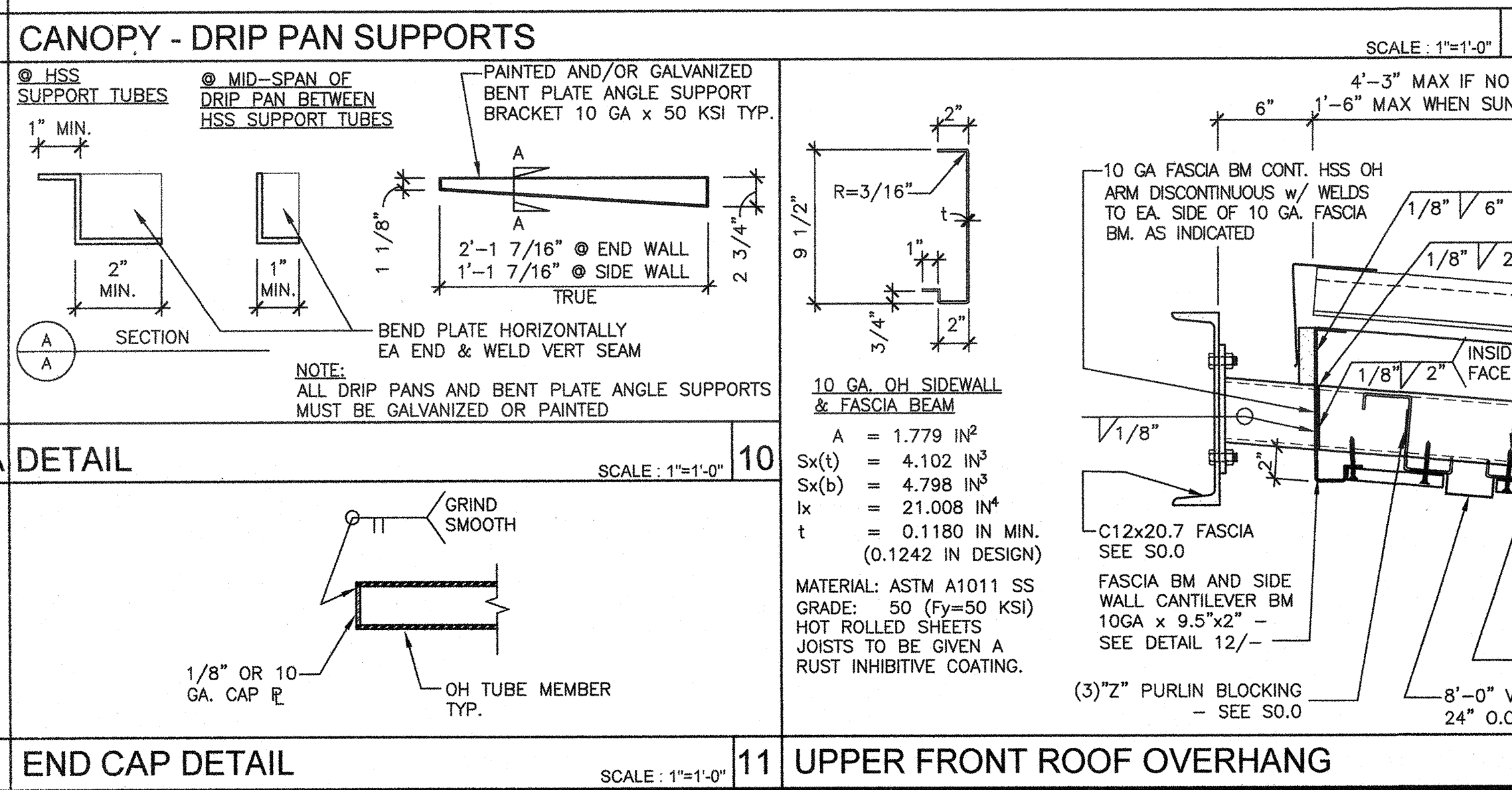
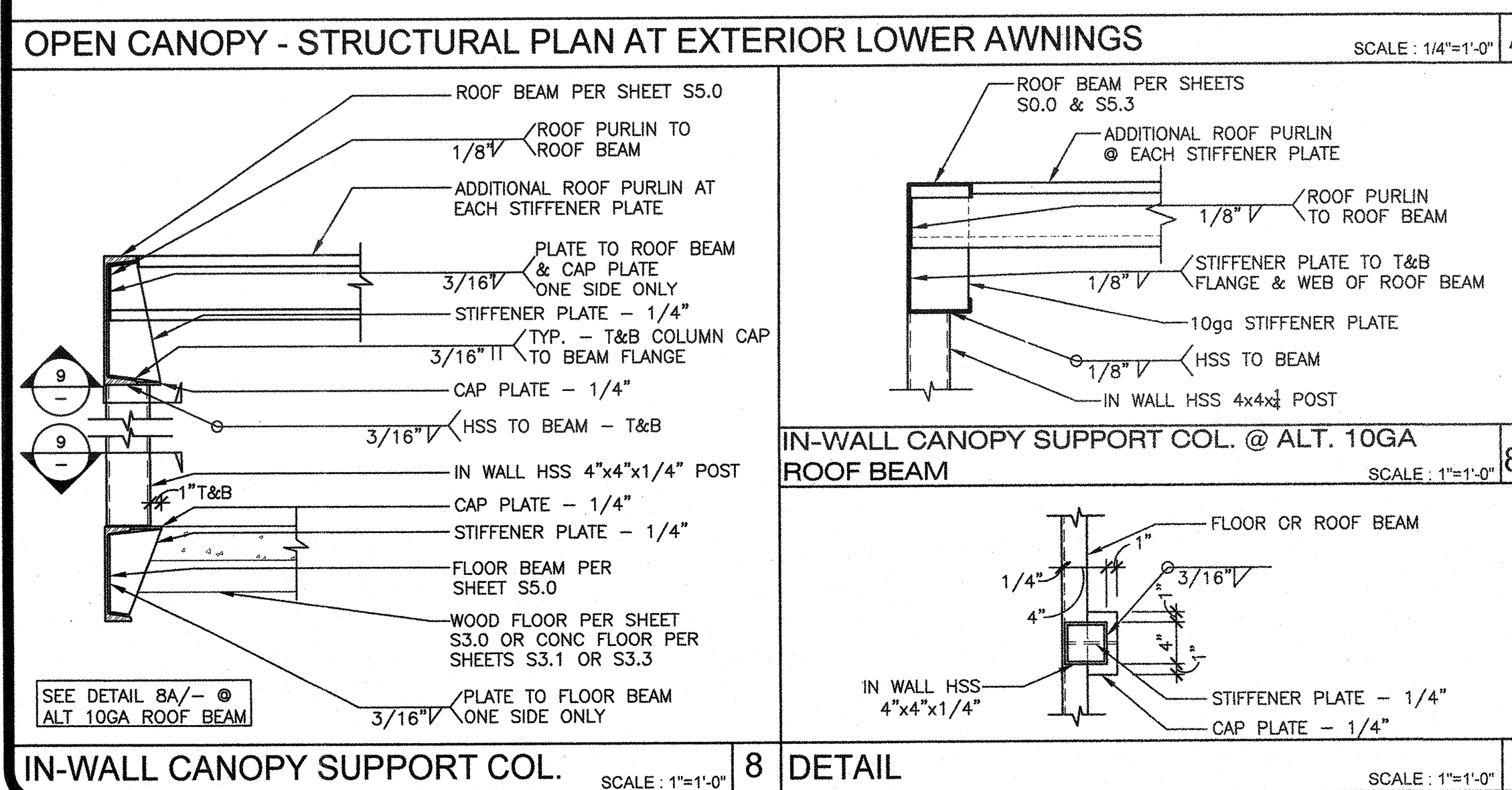
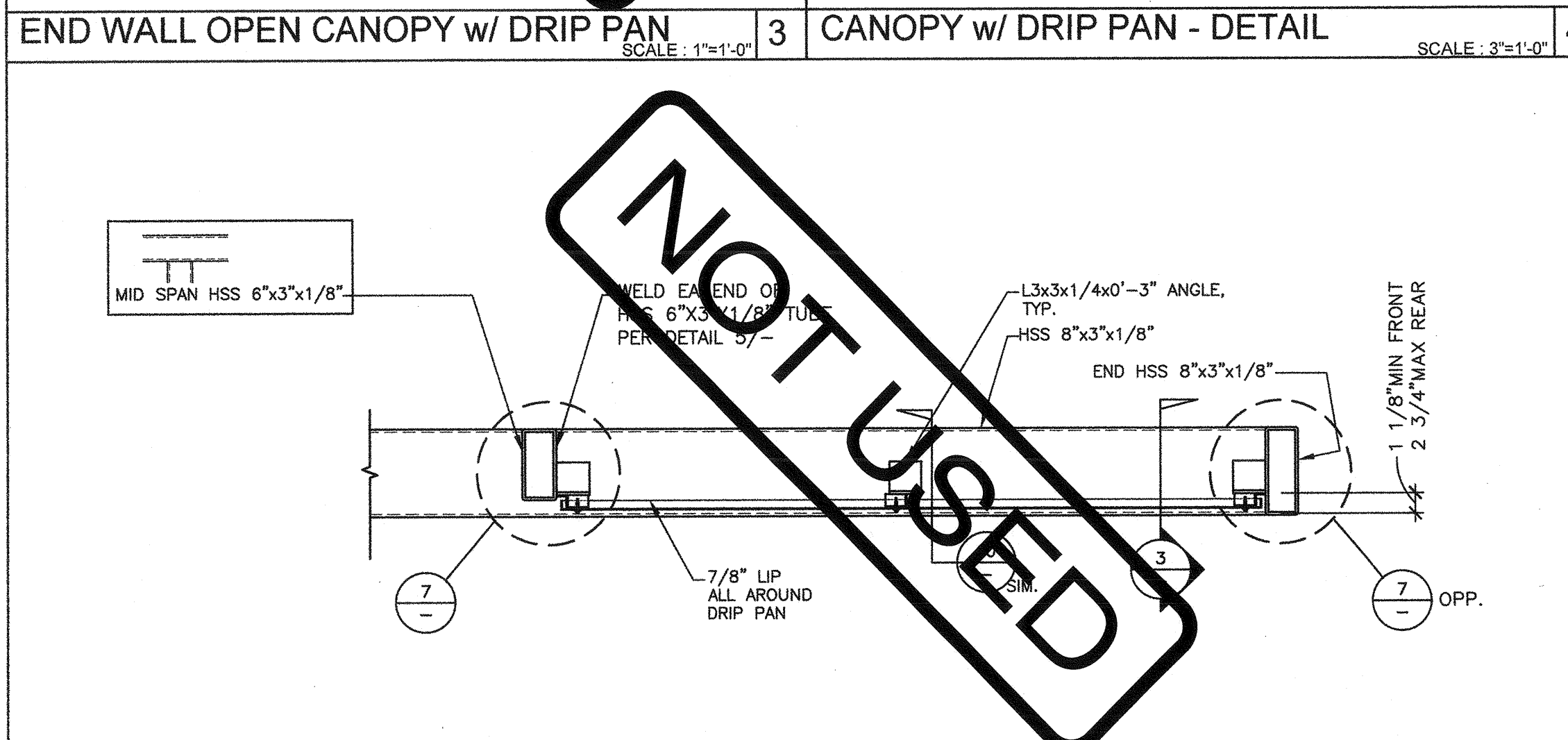
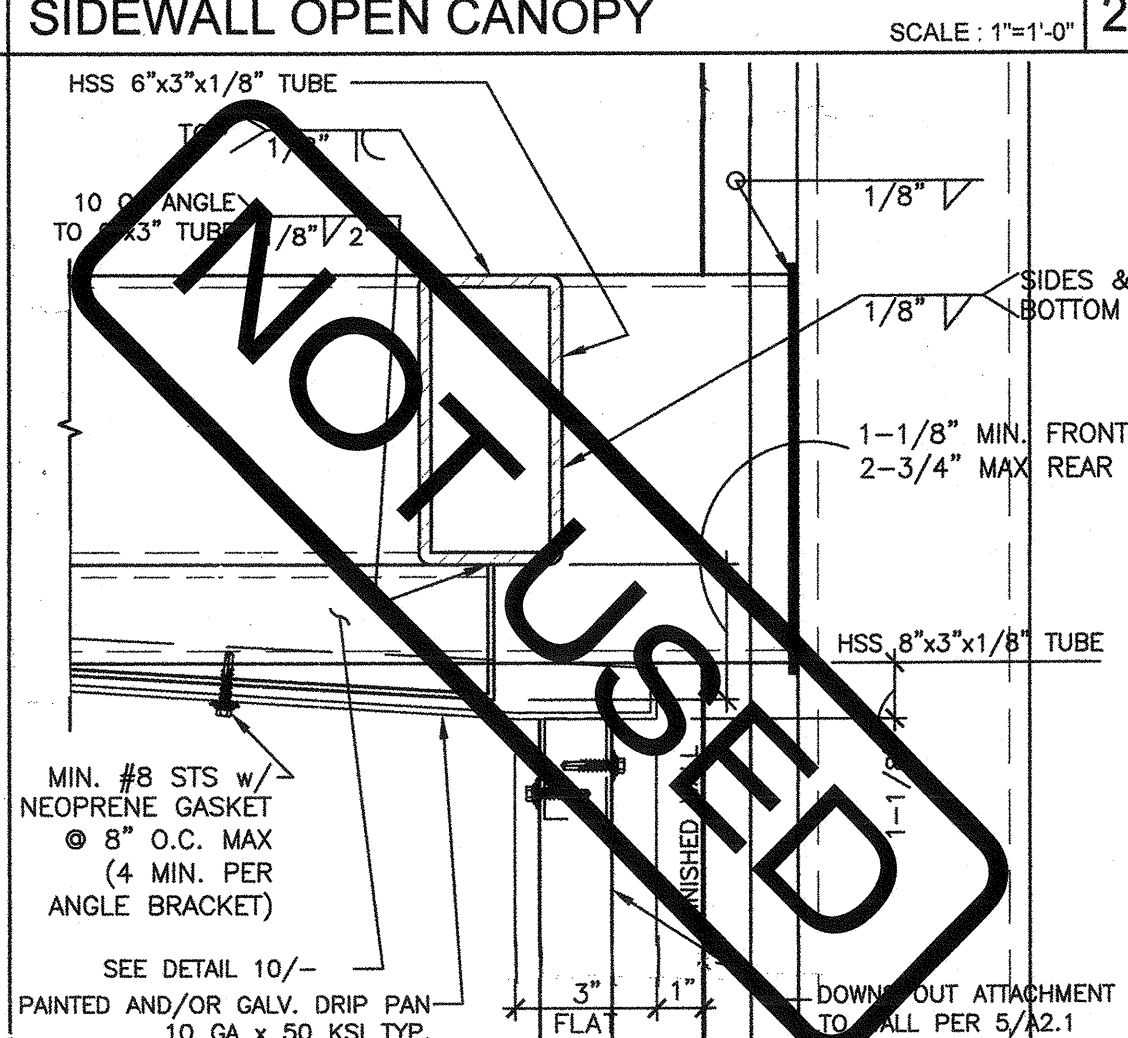
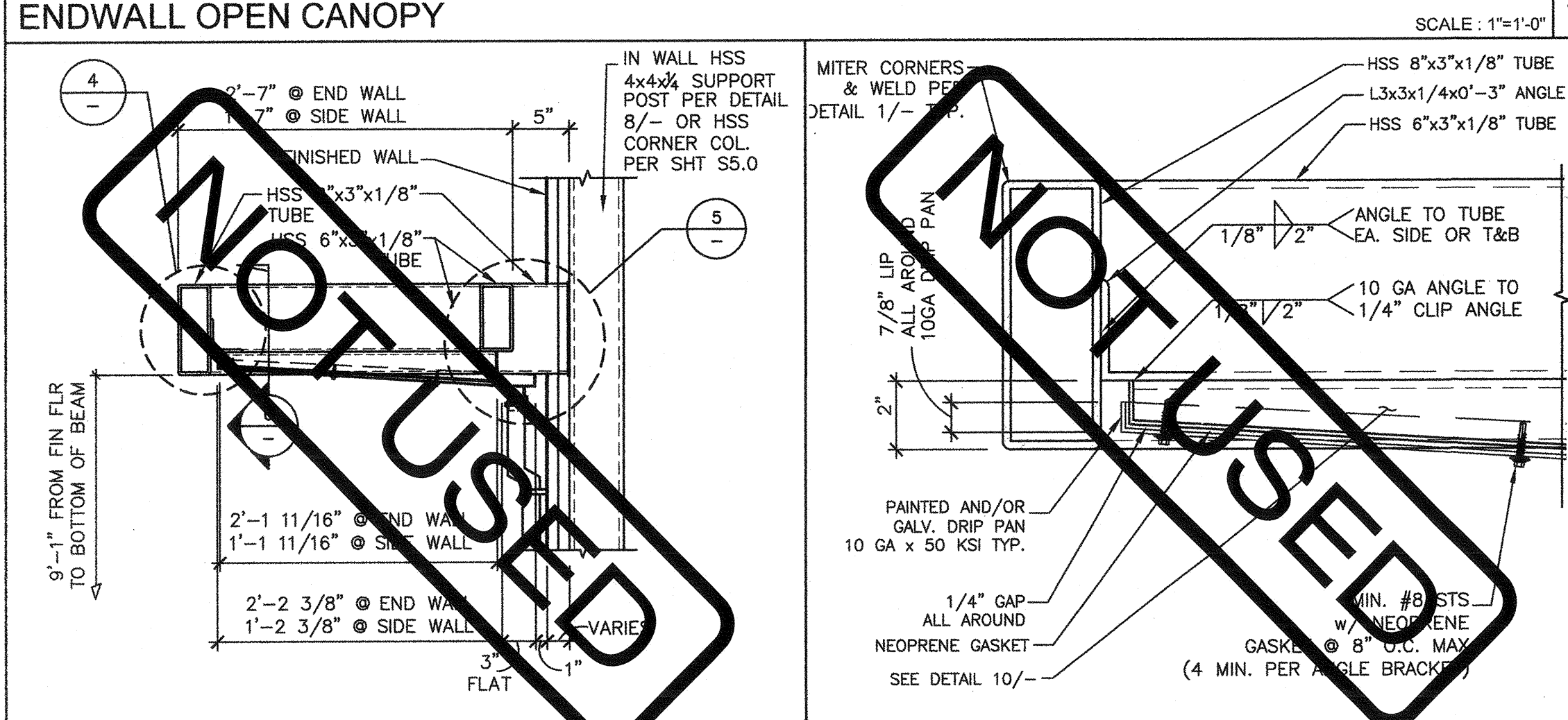
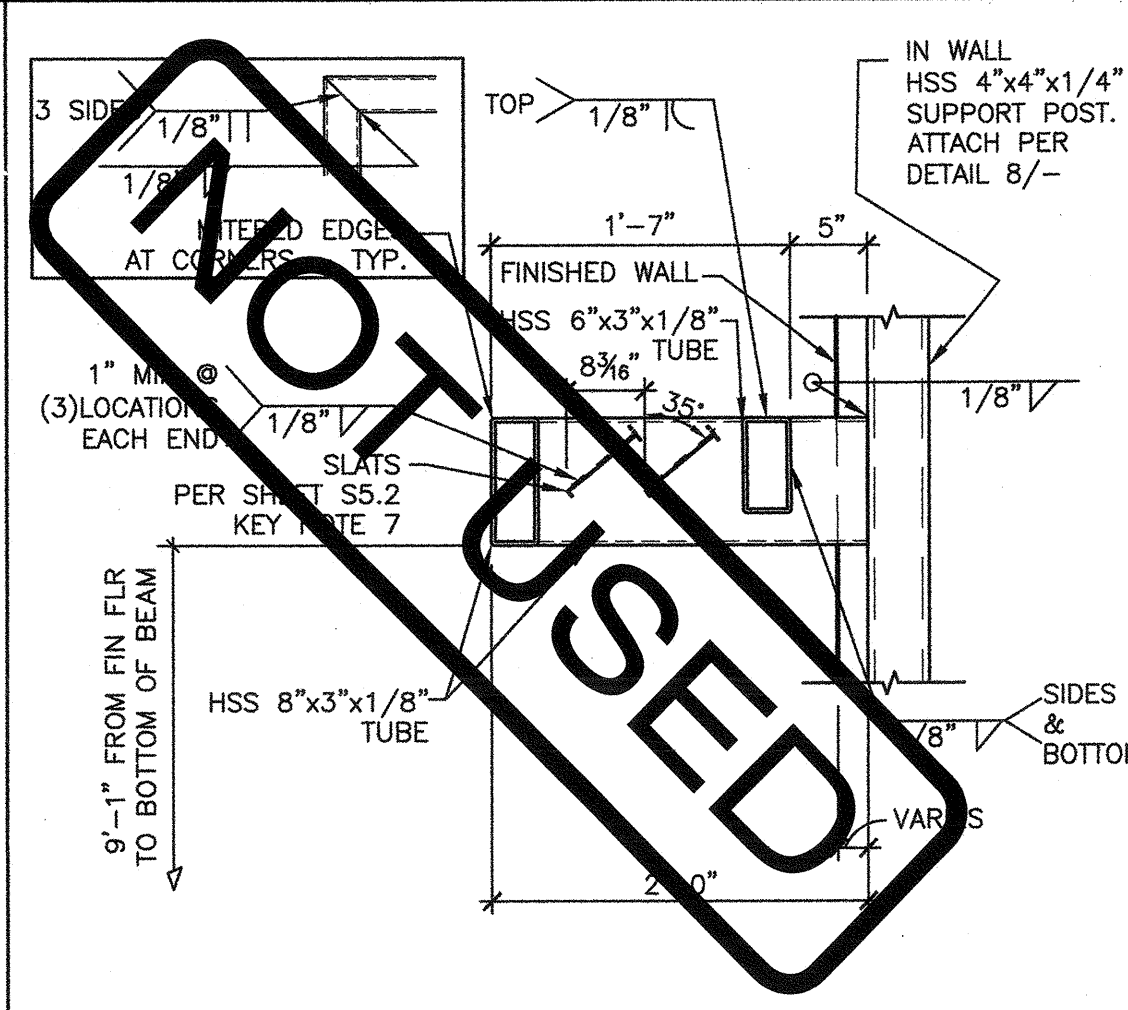
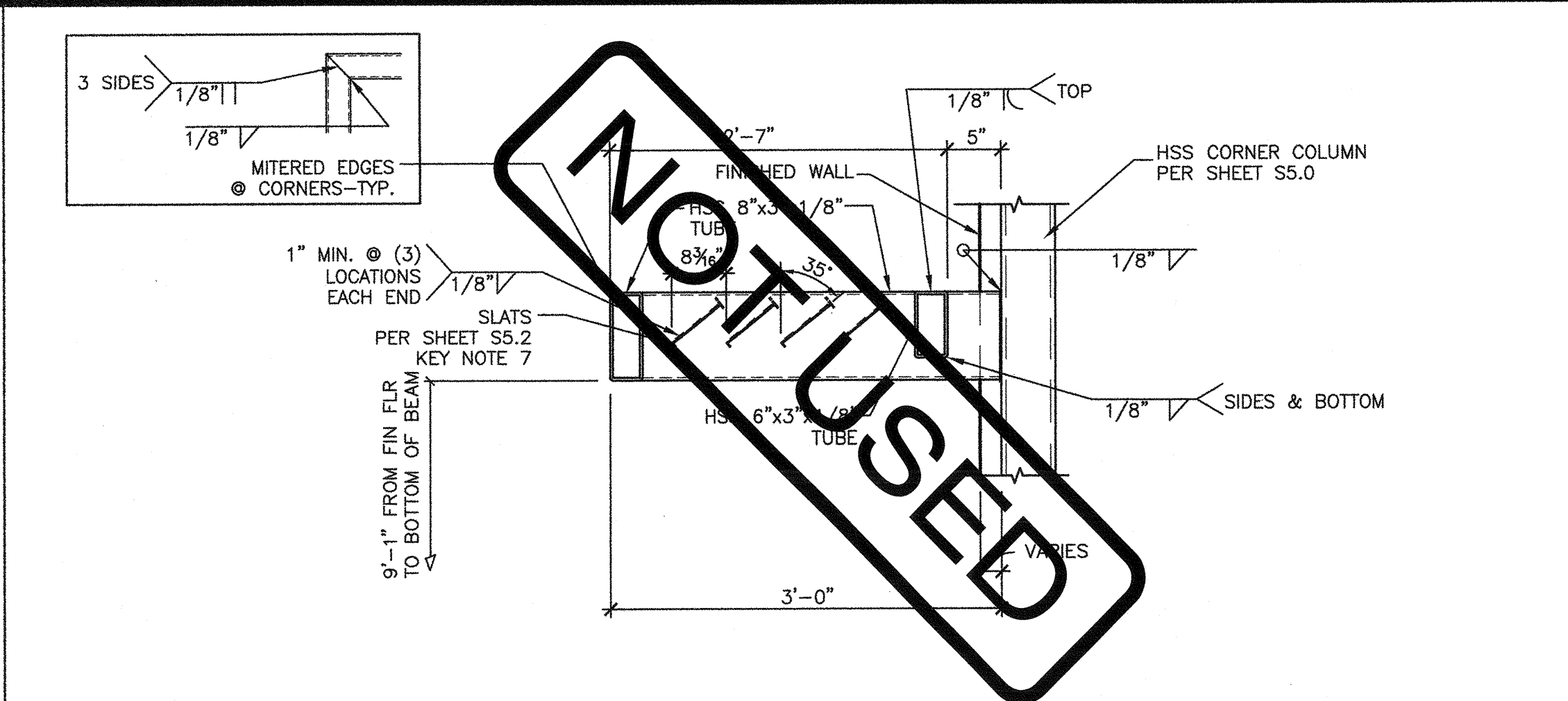
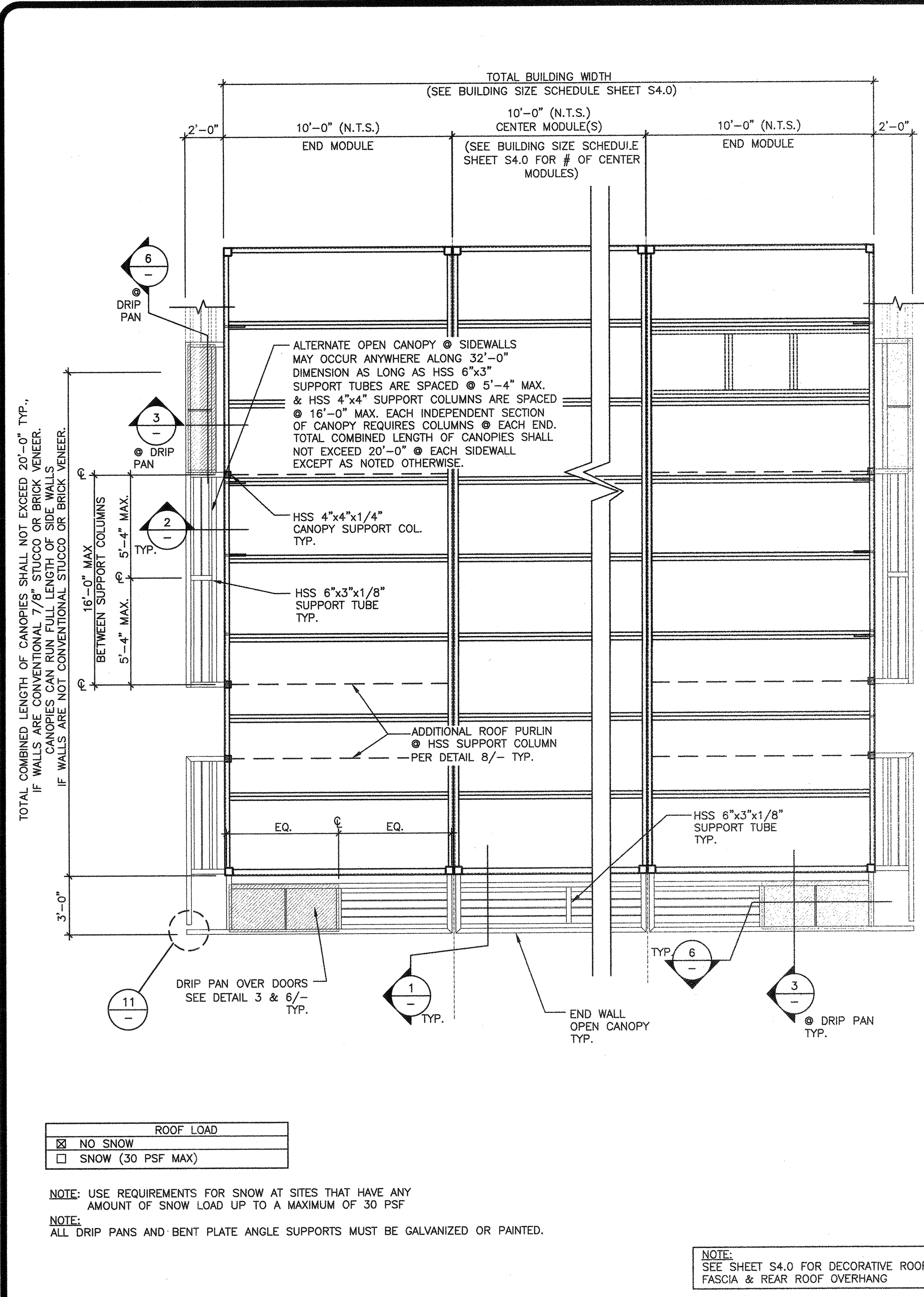
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SHEET NUMBER

S5.2



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30x32 THRU 150x32 BUILDINGS

Gen7
healthy schools, delivered

SITE SPECIFIC PROJECT NAME

SHEET TITLE
ALTERNATE OPEN CANOPY @ FRONT ROOF OVERHANG PLAN & DETAILS

MANUFACTURER PROFESSIONAL OF RECORD ON PC

REGISTERED ARCHITECT
PATRICK DICKSON
No. 33118
STATE OF CALIFORNIA

REGISTERED PROFESSIONAL ENGINEER
No. 6322
ROBERT J. JAMES
STATE OF CALIFORNIA

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APPO3 119722
AC: FLS SS NY
DATE: FEB 05 2018

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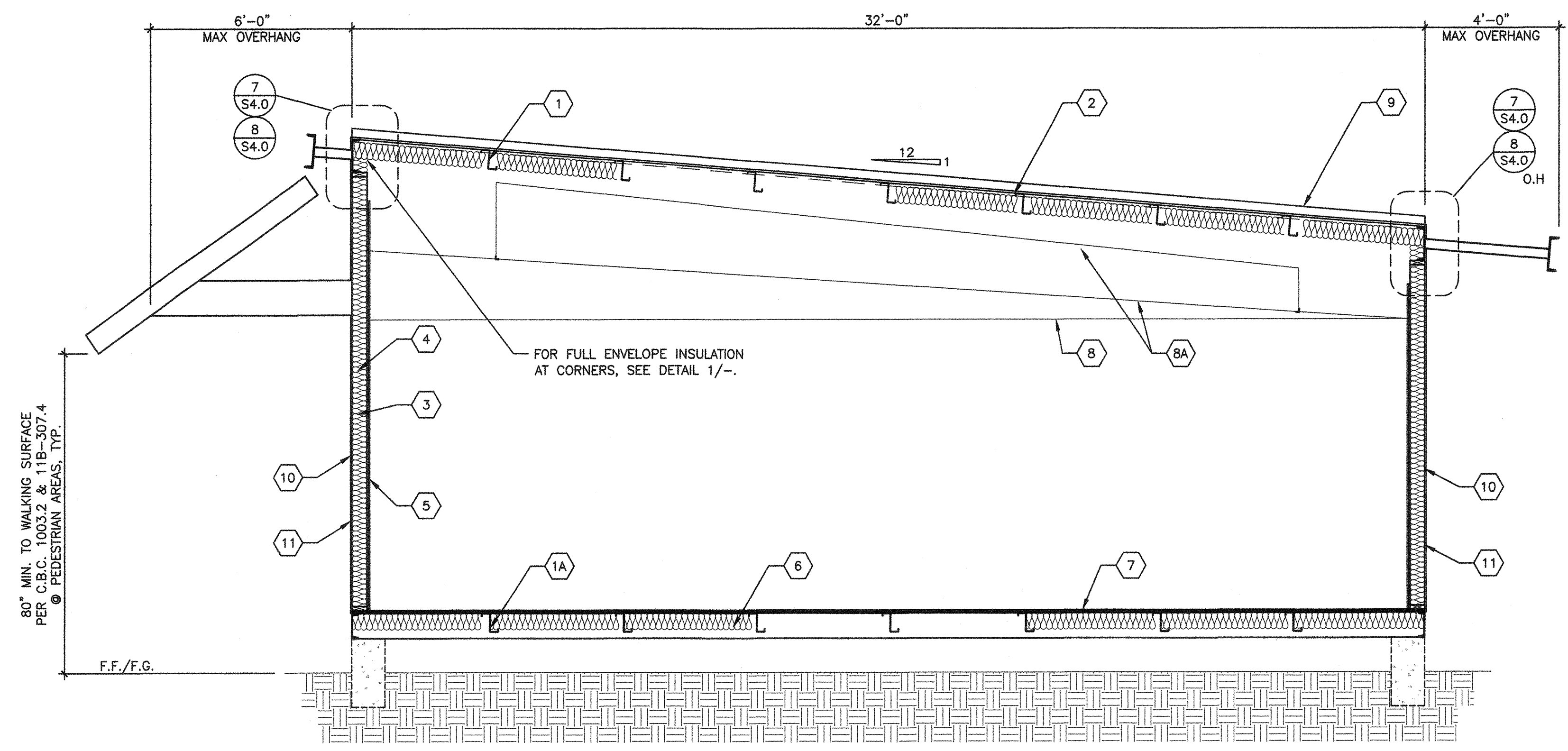
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DIV. OF THE STATE ARCHITECT
PC 02-116071
AC: FLS SS NY
DATE: 7 10 18

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DATE: _____
SHEET NUMBER

S5.4



- ① "Z" PURLINS @ 48" O.C. PER ROOF FRAMING PLAN
- ①A STEEL "Z" FLOOR JOISTS PER FLOOR FRAMING PLAN
- ② R-19 INSULATION w/ 22 GA WIRE @ 16" O.C.
- ③ INSULATION w/ KRAFT PAPER
- ④ WALL STUDS PER SHEETS S8.0 & S9.0.
- ⑤ VINYL FABRIC OVER TACKABLE BRACING PANELS.
- ⑥ INSULATION w/ KRAFT PAPER AND CHICKEN WIRE.
- ⑦ PLYWOOD OR CONCRETE FLOOR PER SHEETS S3.0, S3.1, & S3.3
- ⑧ SUSPENDED T-BAR CEILING PER M1.0
- ⑧A OPTIONAL SUSPENDED T-BAR CEILING
- ⑨ FINISHED ROOFING PER ROOF PLAN & ROOF FRAMING PLAN
- ⑩ TYPICAL SHEATHING NAILING: 131x2x GALV. @ 6" O.C. PANEL EDGES (ALL EDGES BLOCKED) 131x2x GALV. @ 12" O.C. FIELD.
- ⑪ EXTERIOR WALL FINISH PER EXTERIOR ELEVATIONS.



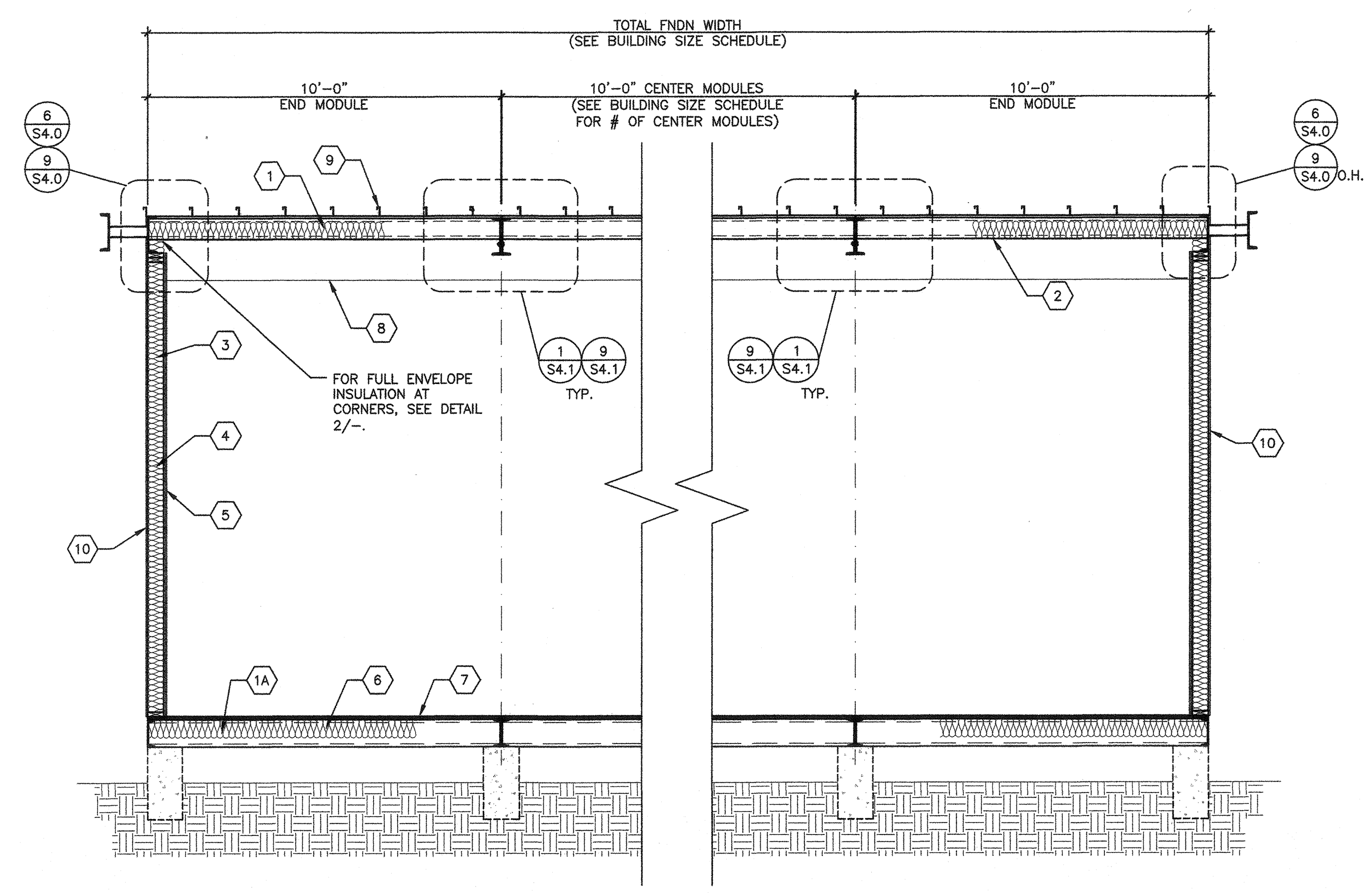
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KEY NOTES

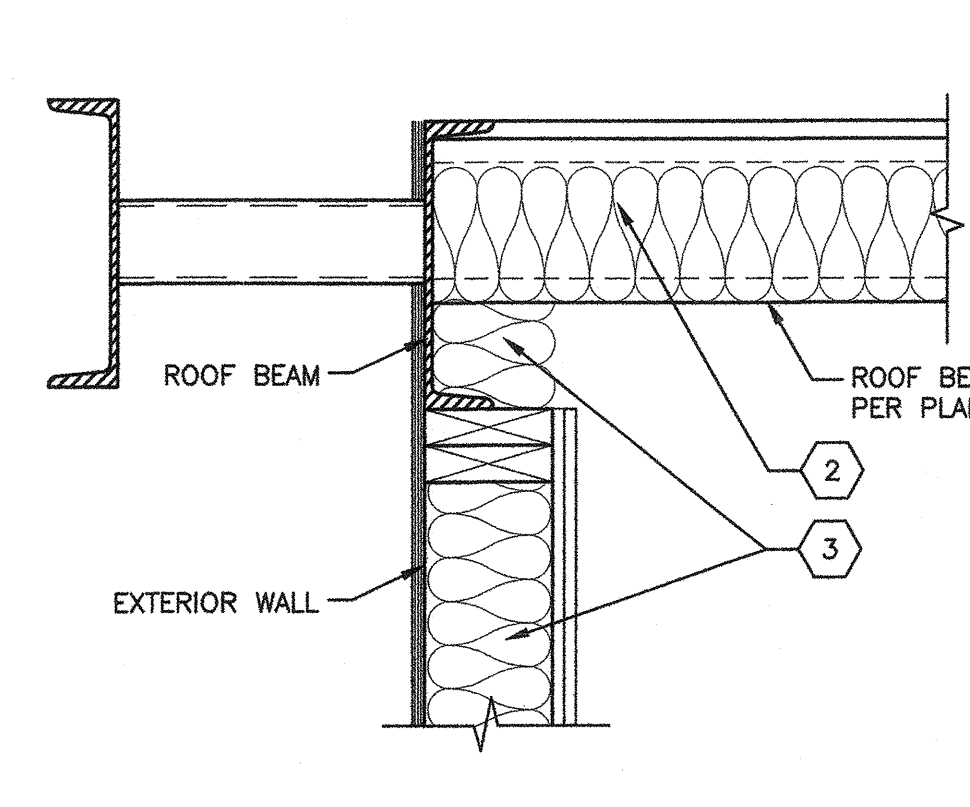
BUILDING SIZE SCHEDULE			
BUILDING SIZE	TOTAL # OF 10'-0" WIDE MODULES	TOTAL # OF CENTER MODULES	TOTAL FNDN. WIDTH
30'x32'	3	1	30'-3/4"
40'x32'	4	2	40'-1"
50'x32'	5	3	50'-1/4"
60'x32'	6	4	60'-1/2"
70'x32'	7	5	70'-13/4"
80'x32'	8	6	80'-2"
90'x32'	9	7	90'-2 1/4"
100'x32'	10	8	100'-2 1/2"
110'x32'	11	9	110'-2 3/4"
120'x32'	12	10	120'-3"
130'x32'	13	11	130'-3 1/4"
140'x32'	14	12	140'-3 1/2"
150'x32'	15	13	150'-3 3/4"

NOTES:
 1. TOTAL BUILDING WIDTH INCLUDES 1/4" PER MODULE CONSTRUCTION TOLERANCE PER FOUNDATION SHEETS S1.1, S1.2 & S1.3

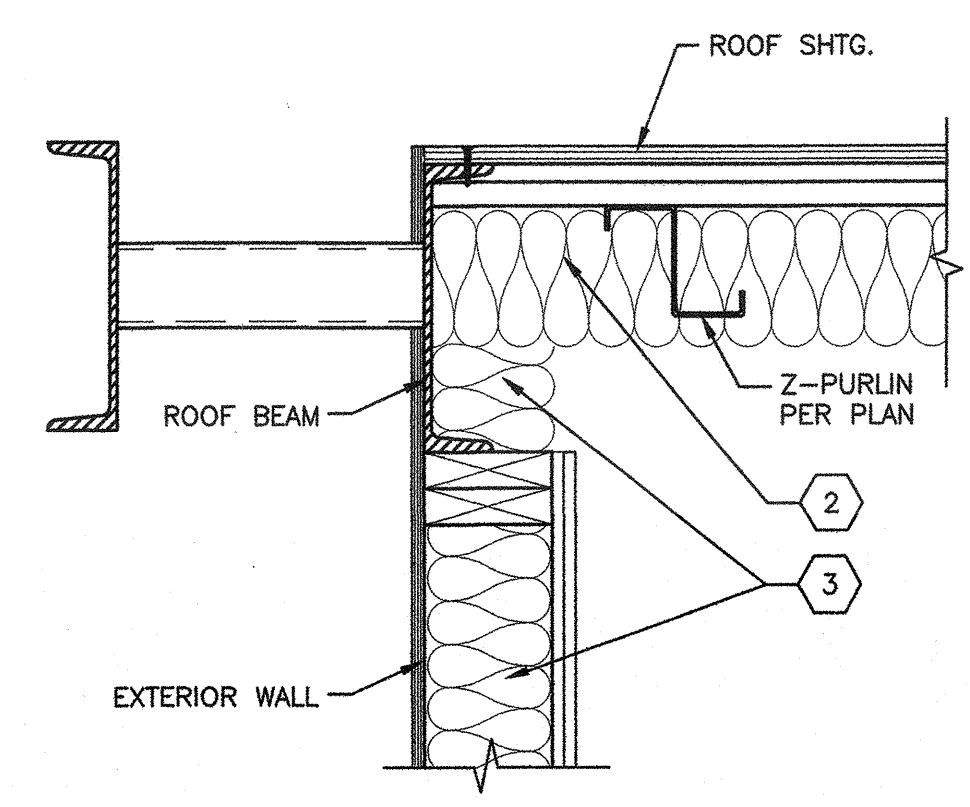
TYP. LONGITUDINAL SECTION-MONO/DUAL PITCH SCALE: 3/8"=1'-0" A



BUILDING SIZE SCHEDULE



INSULATION CORNER DET. SCALE: 1-1/2"=1'-0" 1



INSULATION CORNER DET. SCALE: 1-1/2"=1'-0" 2

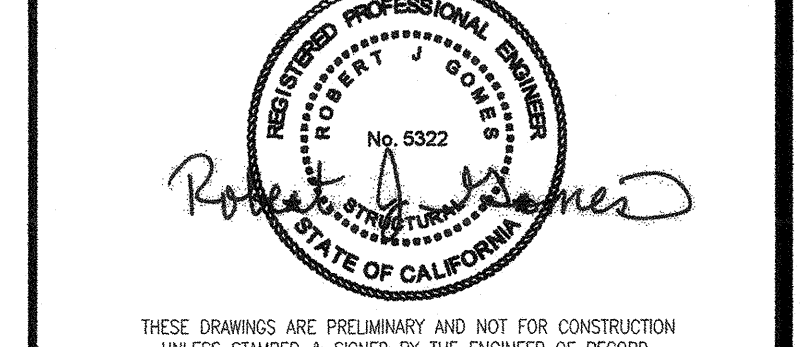
TYP. TRANSVERSE SECTION-MONO/DUAL PITCH SCALE: 3/8"=1'-0" B

PRE-CHECKED SET NAME
30'x32' THRU 150'x32' BUILDINGS
 Gen7
 healthy schools, delivered

SITE SPECIFIC PROJECT NAME
 SHEET TITLE

TYPICAL LONGITUDINAL AND TRANSVERSE FRAME SECTIONS

MANUFACTURER PROFESSIONAL OF RECORD ON PC



PROJECT SPECIFIC STATE AGENCY APPROVAL

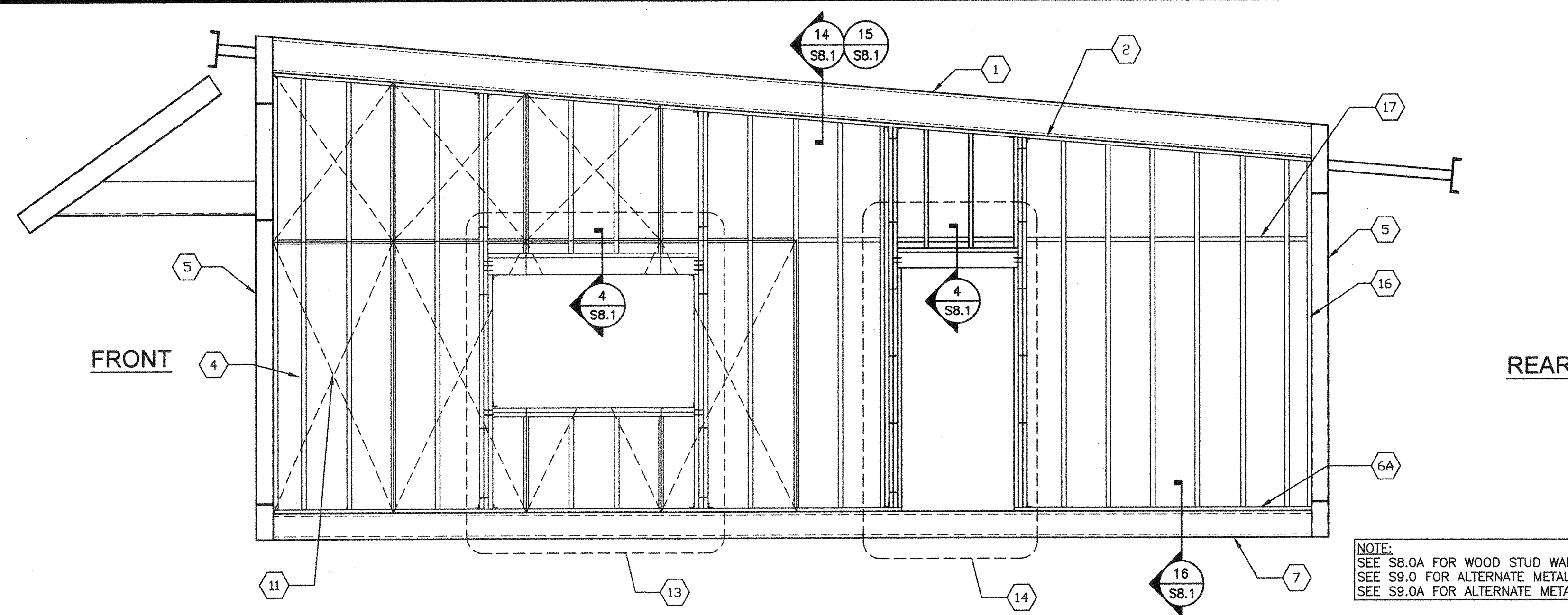
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 DIV. OF THE STATE ARCHITECT
 APPROX 119722
 AC FLS SS
 DATE FEB 05 2018

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 DRAWN BY:
 SCALE: AS NOTED
 DATE:
 SHEET NUMBER

S6.0



TYPICAL SIDE WALL FRAMING

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

EXTERIOR WALL SCHEDULE				
FINISH TYPE	WALL FINISH COMMENTS	STUD TYPE	STUD SPACING TYPICAL	STUD SPACING @ CORNERS
3/4" PLYWOOD SHEATHING 303 CONFORMING TO PS1-09. VERTICAL GROOVES @ 8" O.C.	WALL FINISH PER A5.0 & A5.1. JOINT DETAIL PER 12/SB.1; NAILING PER BLDG SECTIONS 13	HEM FIR #2	16" O.C. MAX	16" O.C. MAX
3/4" HARDI-BOARD w/ SYNTHETIC STUCCO OR 3/4" HARDI-LAP SIDING	WALL FINISH PER A5.5 & A5.7	HEM FIR #2	16" O.C. MAX	16" O.C. MAX
1/2" PLYWOOD SHEATHING CONFORMING TO PS1-09, APA RATED, 5 PLY 32/16", OR 1/2" OSB PANELS EXPOSURE 1 w/ 3/8" STUCCO	WALL FINISH PER A5.2 & A5.3. NAILING PER BLDG SECTIONS 13	HEM FIR #2	16" O.C. MAX	16" O.C. MAX
		DOUG FIR #2	16" O.C. MAX	16" O.C. MAX

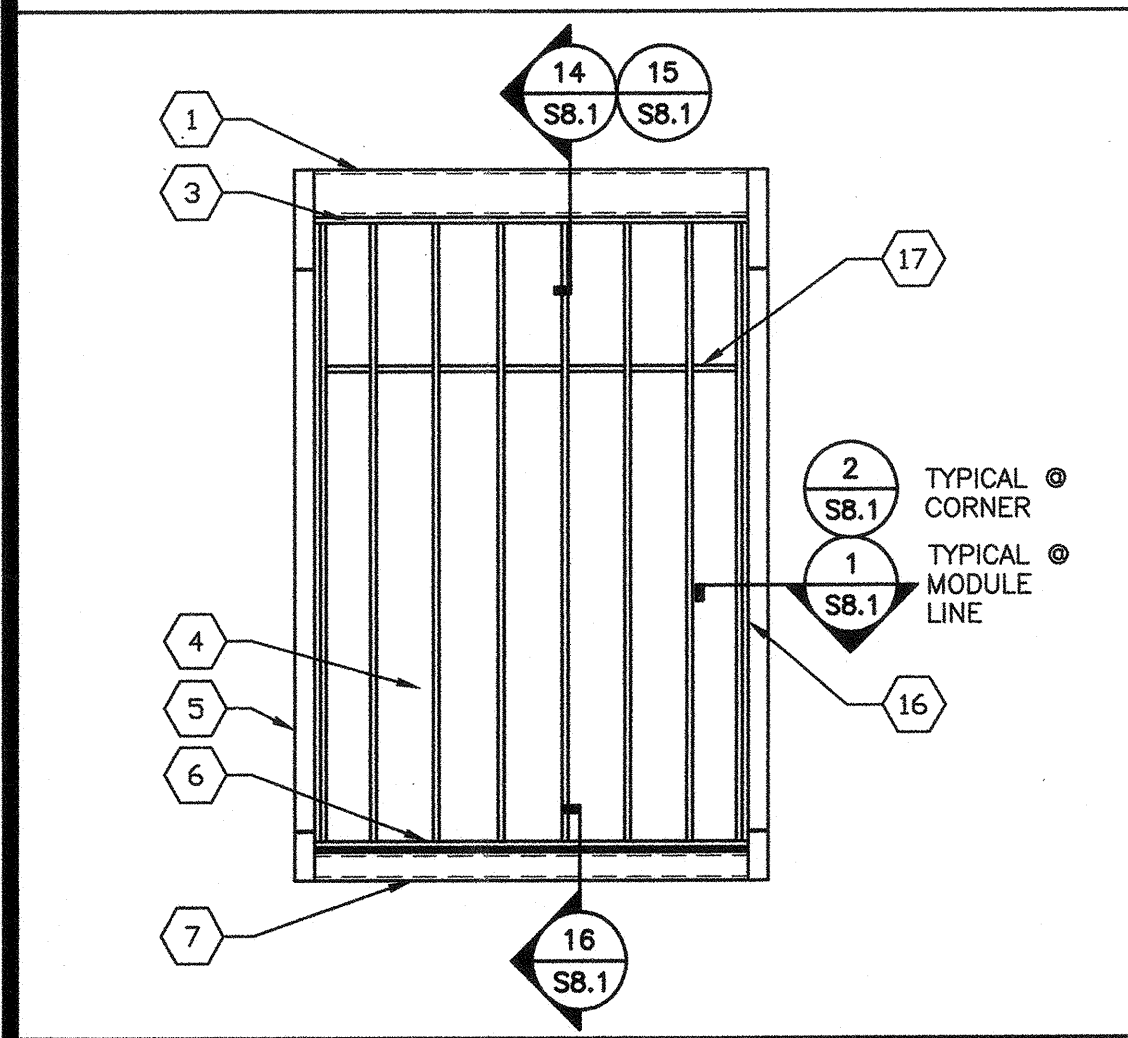
FOOTNOTES:
 1. ALL NAILS IN EXTERIOR APPLICATIONS SHALL BE GALVANIZED.
 2. BUILDING CORNERS ARE DEFINED AS A DISTANCE OF 3'-3" IN BOTH DIRECTIONS FROM EACH CORNER OF THE BUILDING.
 3. TYPICAL PLYWOOD NAILING WHERE OCCURS: 0.131" x 2 1/2" GALV. NAILS @ 6" O.C. E.N. & 12" O.C. F.N. (ALL EDGES BLOCKED).

EXTERIOR WALL FINISH/WALL STUD SCHEDULE

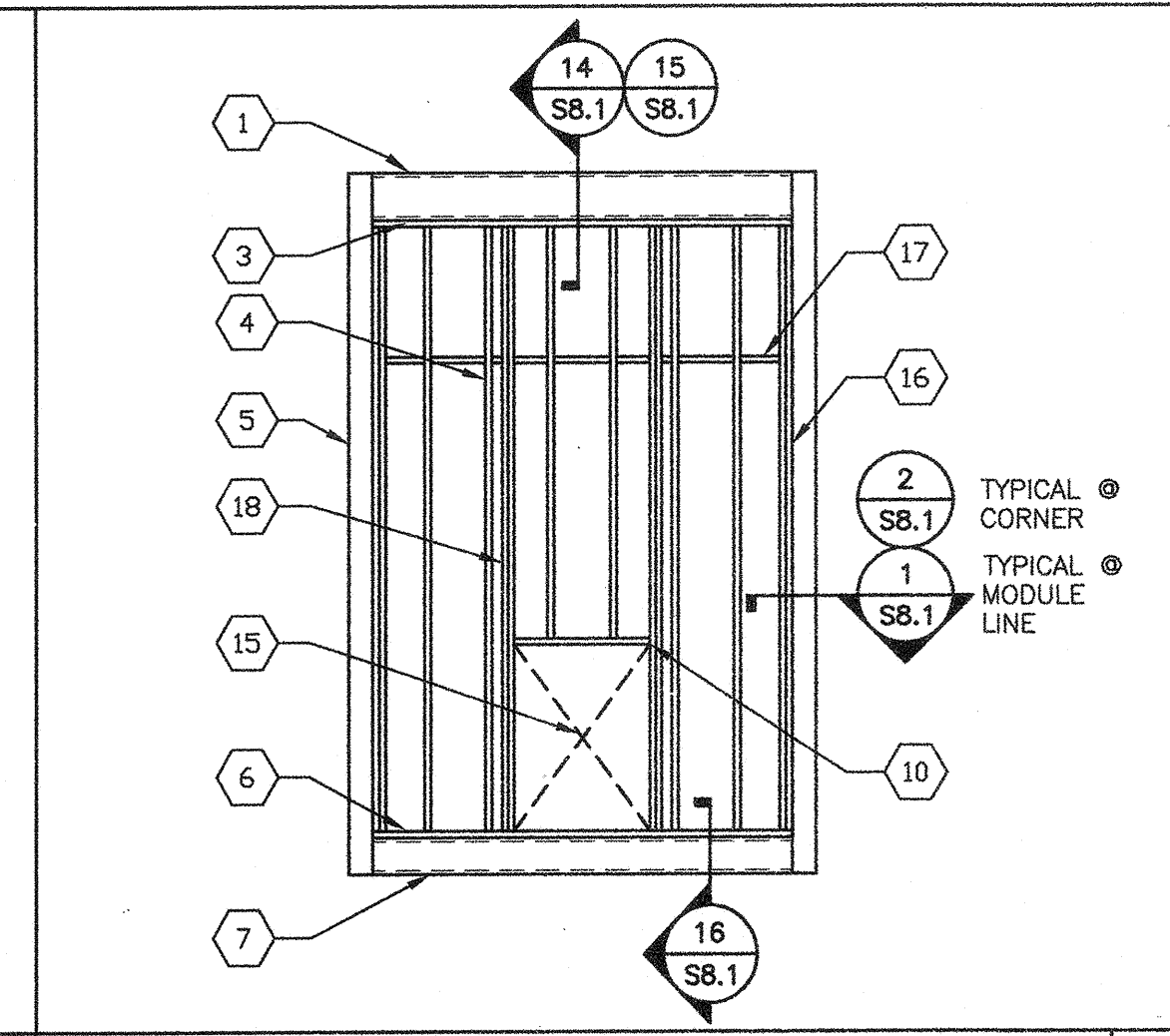
- 1 ROOF BEAM PER SHEET S5.0 OR S5.3
- 2 2x6 PLATE
- 3 2x6 PLATE, NO SPLICE
- 4 2x6 STUDS SPACED PER SCHEDULE w/ (3) 0.131"x3" END NAILS OR (4) 0.131"x3" TOE NAILS T&B TO PLATES, TYP.
- 5 HSS COLUMN PER SHEET S5.0
- 6 2x6 BOTTOM PLATE, NO SPLICES
- 7 2x6 PT AT CONCRETE FLOORS
- 6A 2x6 BOTTOM PLATE
- 7 PERIMETER FLOOR BEAM PER SHEET S5.0
- 8 HEADER PER SCHEDULE & DETAIL 4/SB.1
- 9 WINDOW SILL PER SCHEDULE
- 10 END NAILS THROUGH KING STUD TO HEADER PER SCHEDULE
- 10A END NAILS THROUGH KING STUD TO SILL PLATE(S) PER SCHEDULE
- 11 EXTERIOR WALL FINISH PER SCHEDULE
- 12 2x6 TRIMMER
- 13 OPTIONAL WINDOW OPENING FRAMING PER SCHEDULE (REFER TO 4/- FOR DETAILS AND FLOOR PLANS FOR LOCATIONS)
- 14 OPTIONAL DOOR OPENING FRAMING PER SCHEDULE (REFER TO 5/- FOR DETAILS AND FLOOR PLANS FOR LOCATIONS)
- 15 HVAC OPENING @ INDOOR UNIT
- 15A HVAC OPENING @ EXTERIOR WALL HUNG UNIT
- 16 2x NAILER
- 17 2x BLKG
- 18 KINGS STUDS PER SCHEDULE INTERNAL PER SCHEDULE
- 19 OPTIONAL FULL WIDTH STOREFRONT OPENING (STOREFRONT BY OTHERS)
- 20 HEADER @ OPTIONAL FULL WIDTH STOREFRONT OPENING:
 OPTION #1: SOLID 5x7" (1.8E) PARALLAM PSL HEADER ATTACHED DIRECTLY TO HSS COLUMNS PER DETAIL 7/-
 OPTION #2: HSS 5x5x3/8" MIN. HEADER ATTACHED DIRECTLY TO HSS COLUMNS PER DETAIL 8/-
- 21 2x PLATE w/ 0.131" x 3" NAILS @ 16" O.C. TO PARALLAM PSL HEADER & #10x2 1/2" STDS @ 16" O.C. TO HSS HEADER.

NOTE:
 SEE SB.0A FOR WOOD STUD WALL FRAMING AT NANAWALLS.
 SEE SB.0 FOR ALTERNATE METAL STUD WALL FRAMING.
 SEE SB.0A FOR ALTERNATE METAL STUD FRAMING AT NANAWALLS.

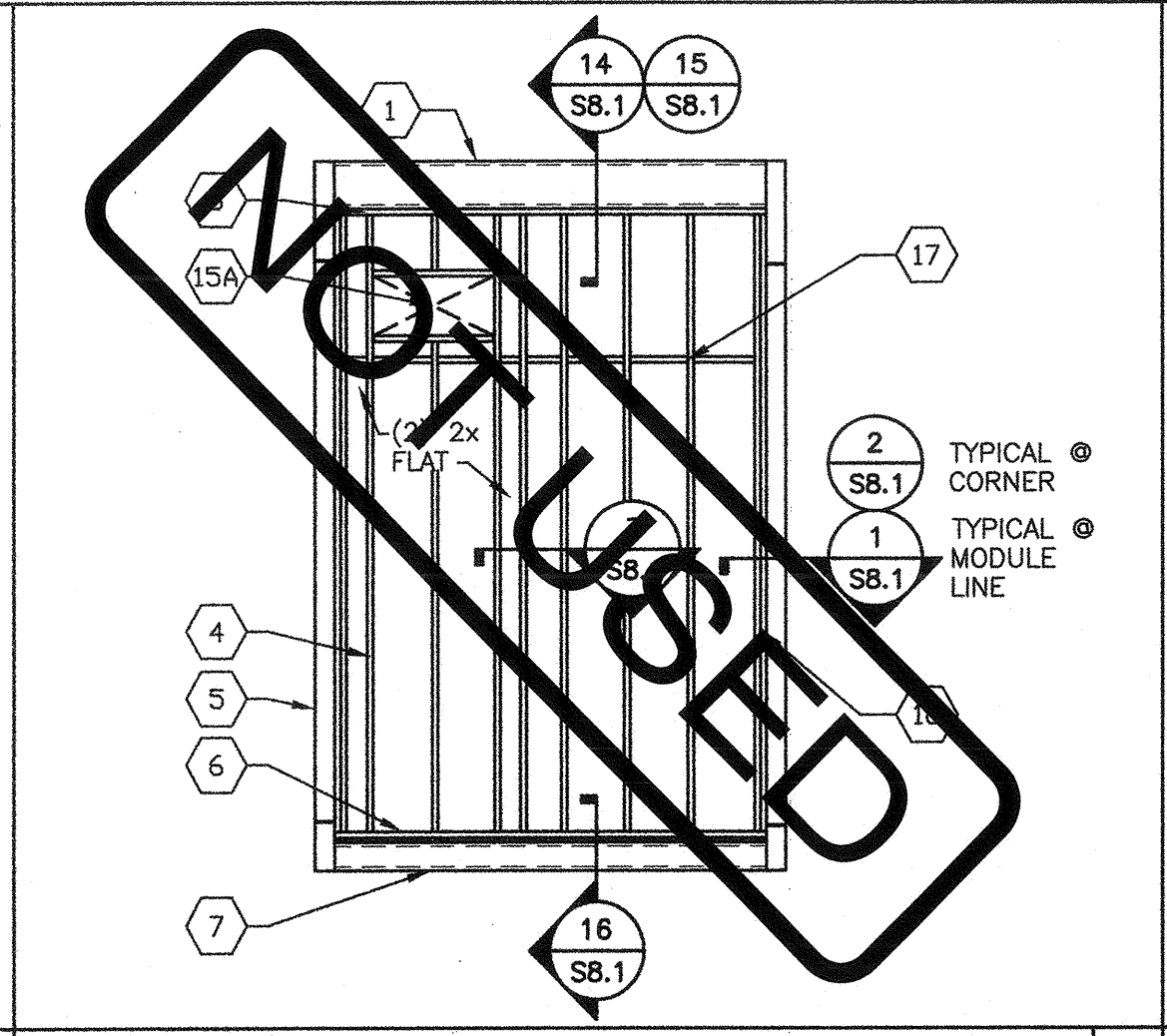
KEY NOTES



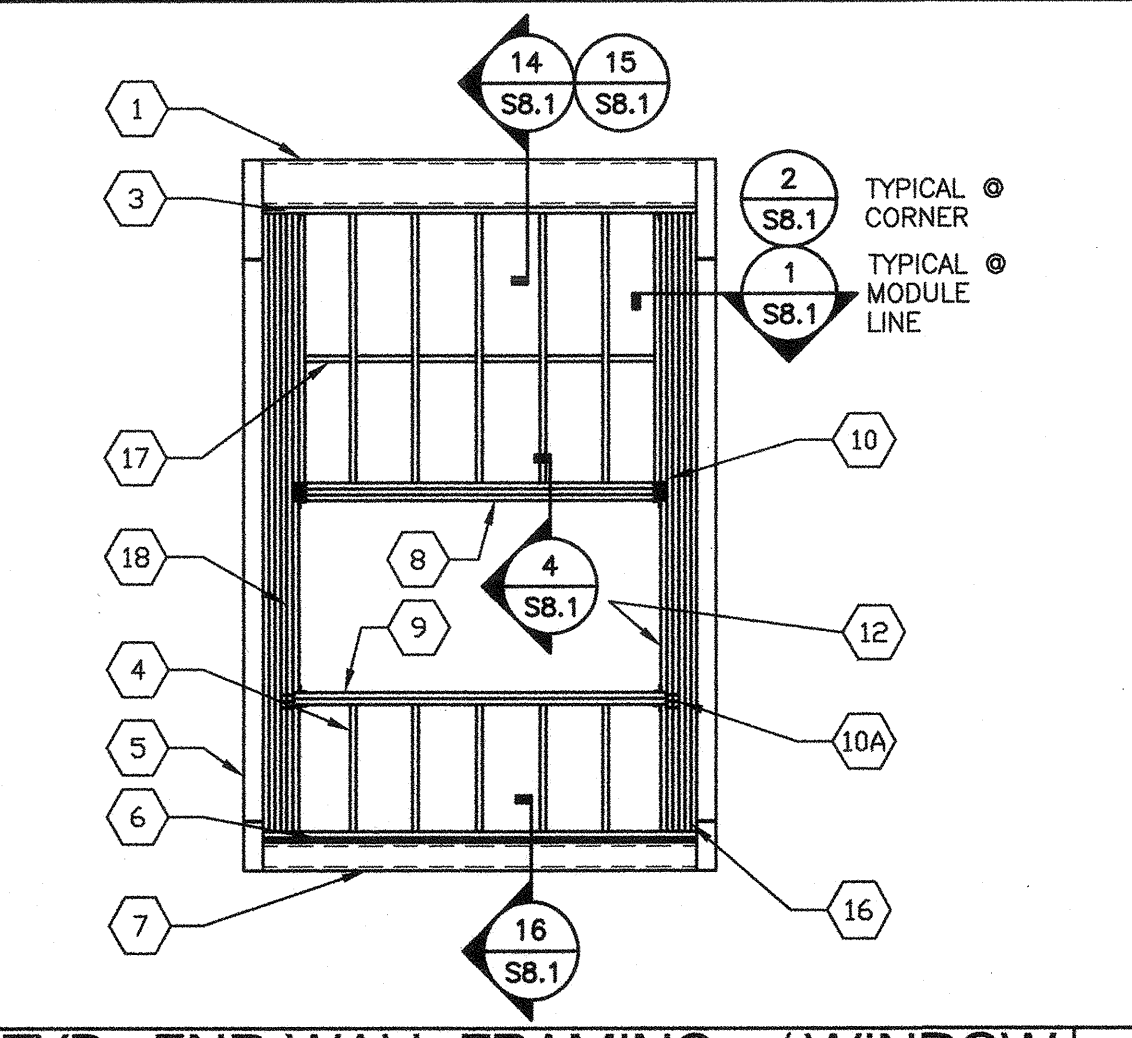
TYP. END WALL FRAMING w/ NO OPENINGS



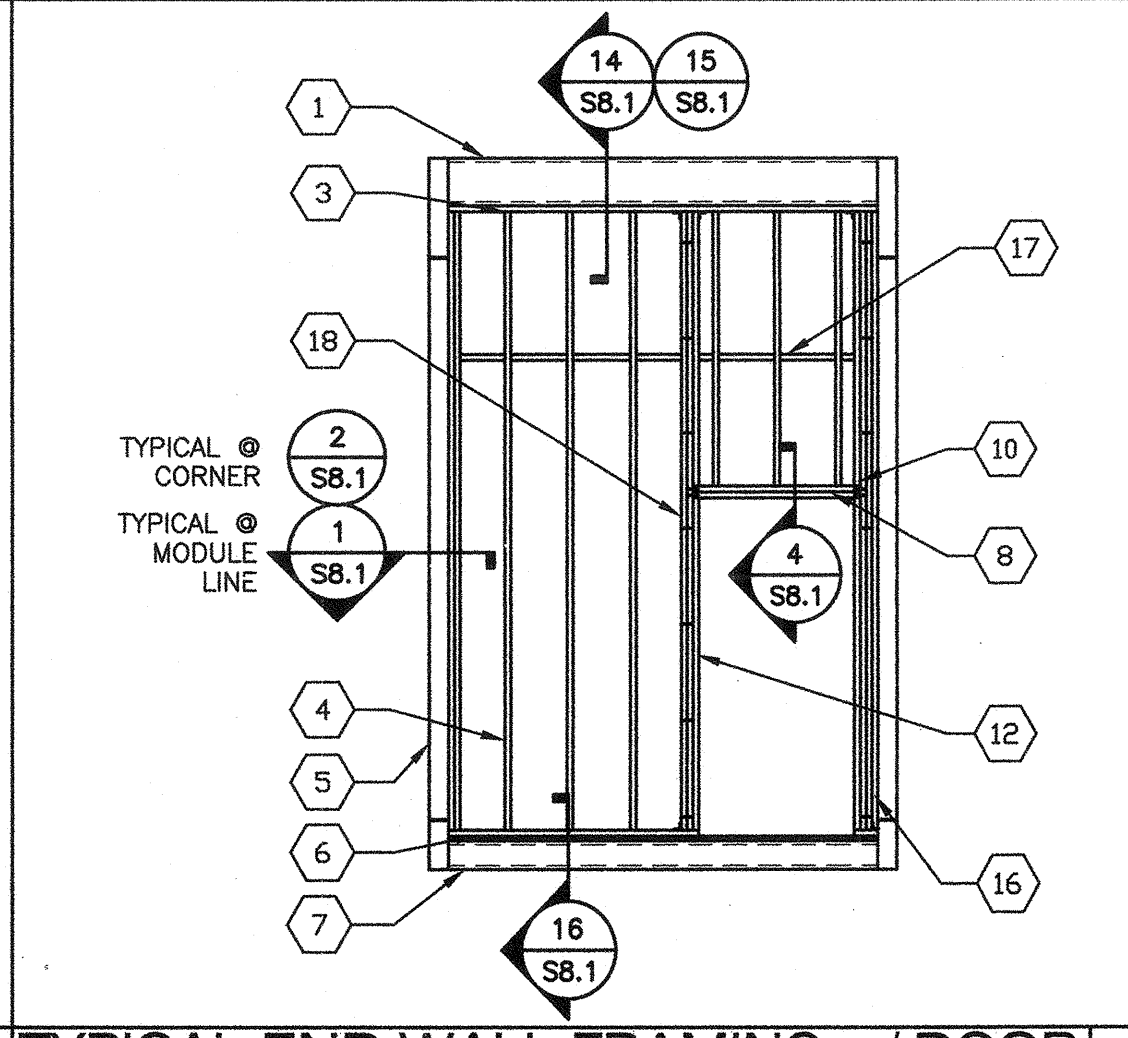
TYP. END WALL FRAMING w/ INDOOR HVAC UNIT (OPTIONAL)



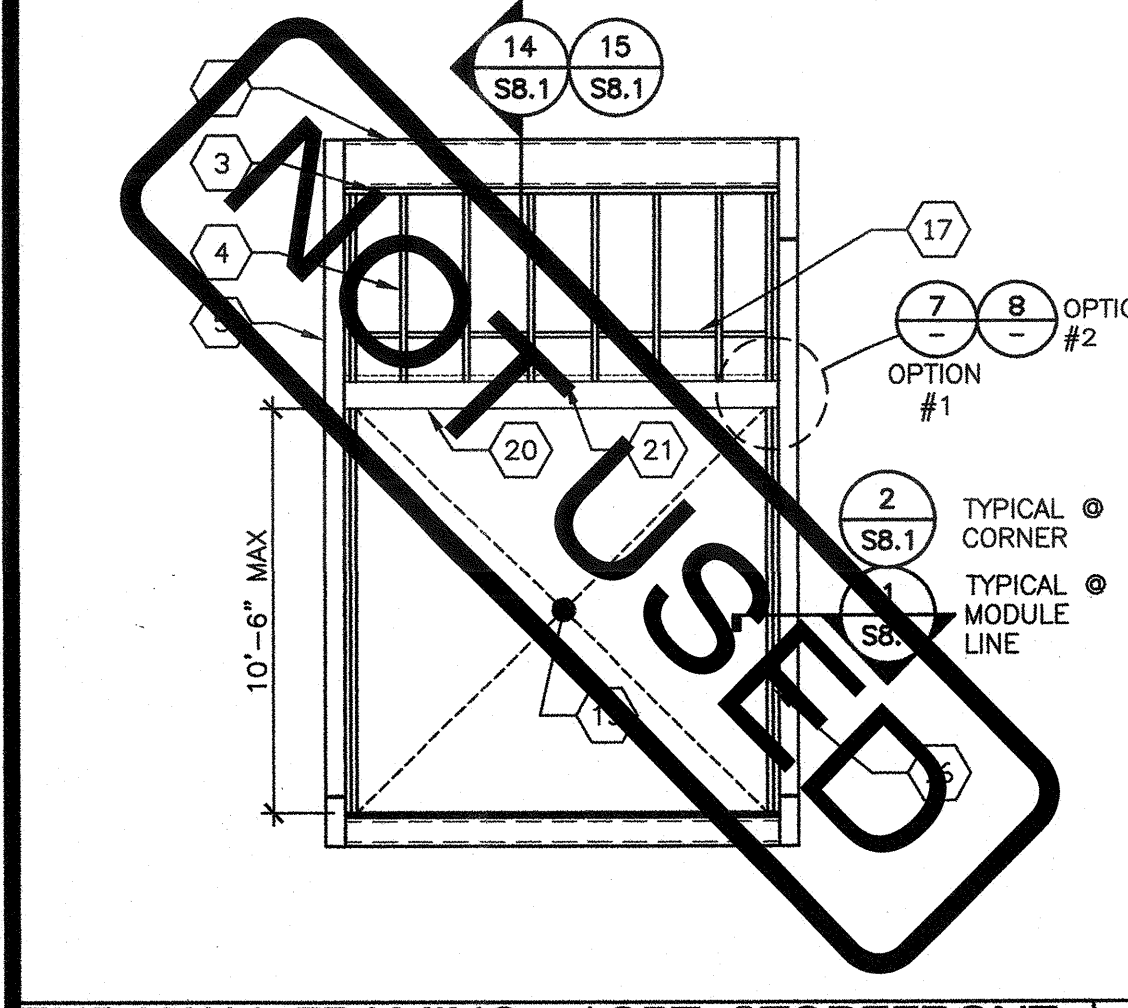
TYP. END WALL FRAMING w/ WALL HUNG HVAC UNIT (OPTIONAL)



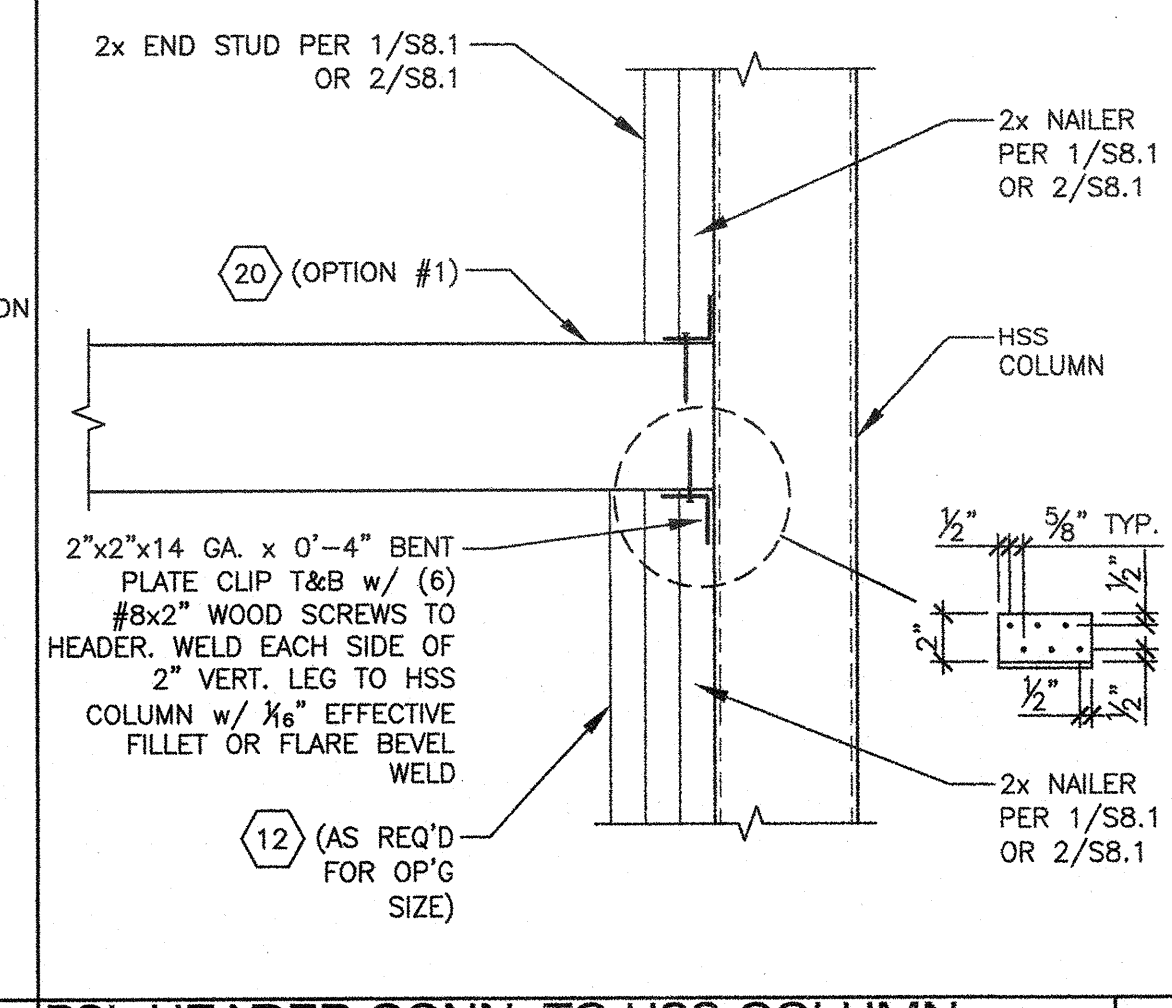
TYP. END WALL FRAMING w/ WINDOW



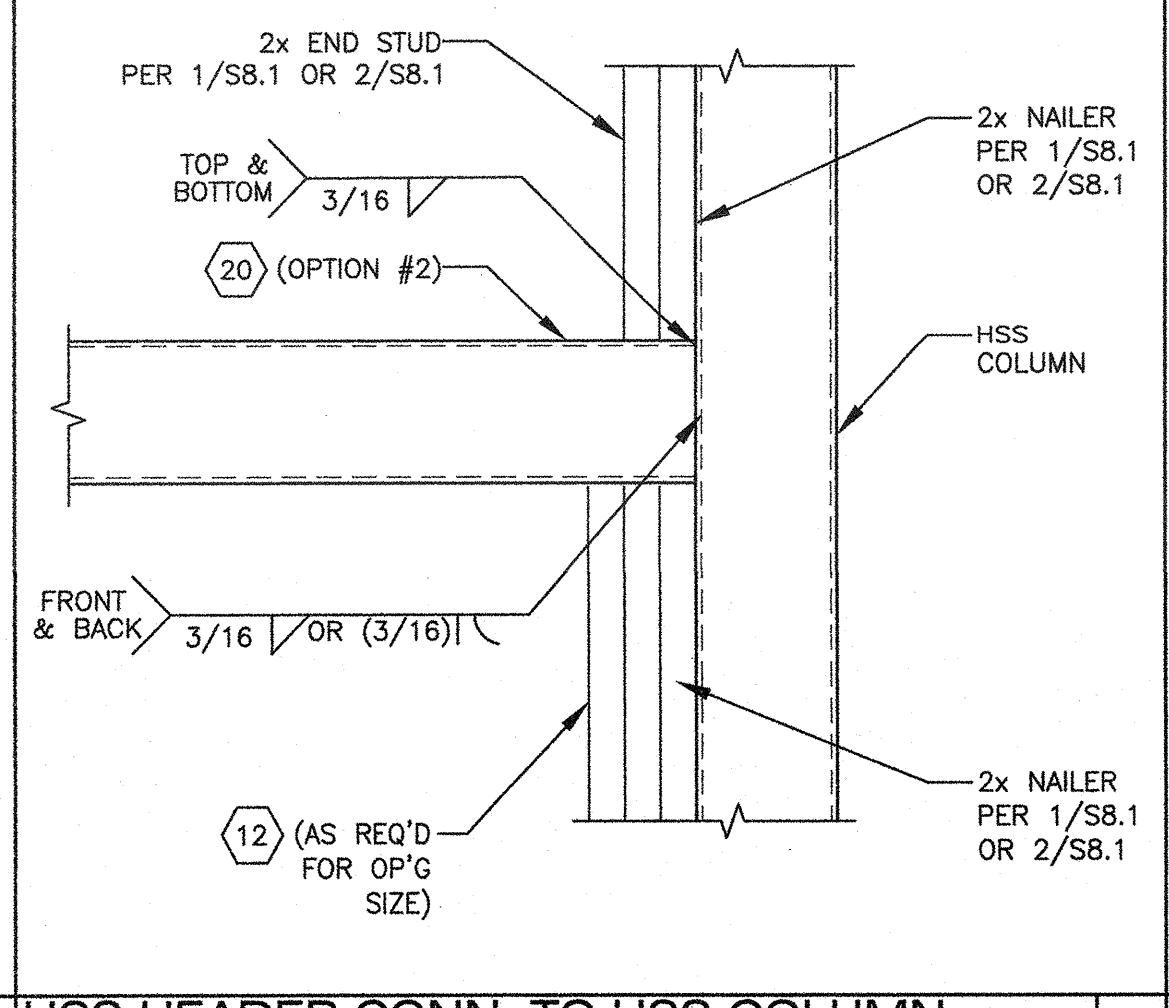
TYPICAL END WALL FRAMING w/ DOOR



END WALL FRAMING w/ OPT. STOREFRONT



PSL HEADER CONN. TO HSS COLUMN



HSS HEADER CONN. TO HSS COLUMN

DOOR/WINDOW OPENING AT TYPICAL WALL (NO STUCCO)							
OPENING SIZE	HEADER	WINDOW SILL ² (AS APPLICABLE)	KING STUDS ¹ TYP. @ BLDG. CORNERS ³	KING STUDS INTERMEDIARY SPACING w/ 0.131"x3" NAILS, STAGGERED	HEADER TO KING STUDS NAILS TYP. @ BLDG. CORNERS ³	WINDOW SILL TO KING STUD NAILS TYP. @ BLDG. CORNERS ³	KING STUD NAILS TYP. @ BLDG. CORNERS ³
>8'-0" TO 10'-0"	(3) 2x6	(2) 2x6	2	3	5	6	4
>6'-0" TO 8'-0"	(2) 2x6	(1) 2x6	2	2	4	5	3
>3'-0" TO 6'-0"	(2) 2x6	(1) 2x6	2	2	4	4	3
3'-0" OR LESS	(2) 2x6	(1) 2x6	2	2	3	3	3

DOOR/WINDOW OPENING AT STUCCO WALL							
OPENING SIZE	HEADER	WINDOW SILL ² (AS APPLICABLE)	KING STUDS ¹ TYP. @ BLDG. CORNERS ³	KING STUDS INTERMEDIARY SPACING w/ 0.131"x3" NAILS, STAGGERED	HEADER TO KING STUDS NAILS TYP. @ BLDG. CORNERS ³	WINDOW SILL TO KING STUD NAILS TYP. @ BLDG. CORNERS ³	KING STUD NAILS TYP. @ BLDG. CORNERS ³
>8'-0" TO 10'-0"	(3) 2x6	(2) 2x6	3	3	7	7	4
>6'-0" TO 8'-0"	(2) 2x6	(1) 2x6	3	3	5	6	3
>3'-0" TO 6'-0"	(2) 2x6	(1) 2x6	2	2	4	5	3
3'-0" OR LESS	(2) 2x6	(1) 2x6	2	2	3	3	3

OPENING SCHEDULE

FOOTNOTES:
 1. PROVIDE (2) SIMPSON A34 T&B OF KING STUDS TO PLATES FOR OPENINGS GREATER THAN 3'-0".
 PROVIDE (1) SIMPSON A34 T&B OF KING STUDS TO PLATES FOR OPENINGS 3'-0" OR LESS.
 2. WHEN MORE THAN A SINGLE SILL PLATE IS REQUIRED, INTERNAL w/ 0.131"x3" NAILS @ 12" O.C. STAGGERED.
 3. BUILDING CORNERS ARE DEFINED AS A DISTANCE OF 3'-3" IN BOTH DIRECTIONS FROM EACH CORNER OF THE BUILDING.



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PRE-CHECKED SET NAME
30'x32' THRU 150'x32' BUILDINGS
 Gen7
 healthy schools, delivered

SITE SPECIFIC PROJECT NAME
 SHEET TITLE
WALL FRAMING ELEVATIONS WOOD STUDS

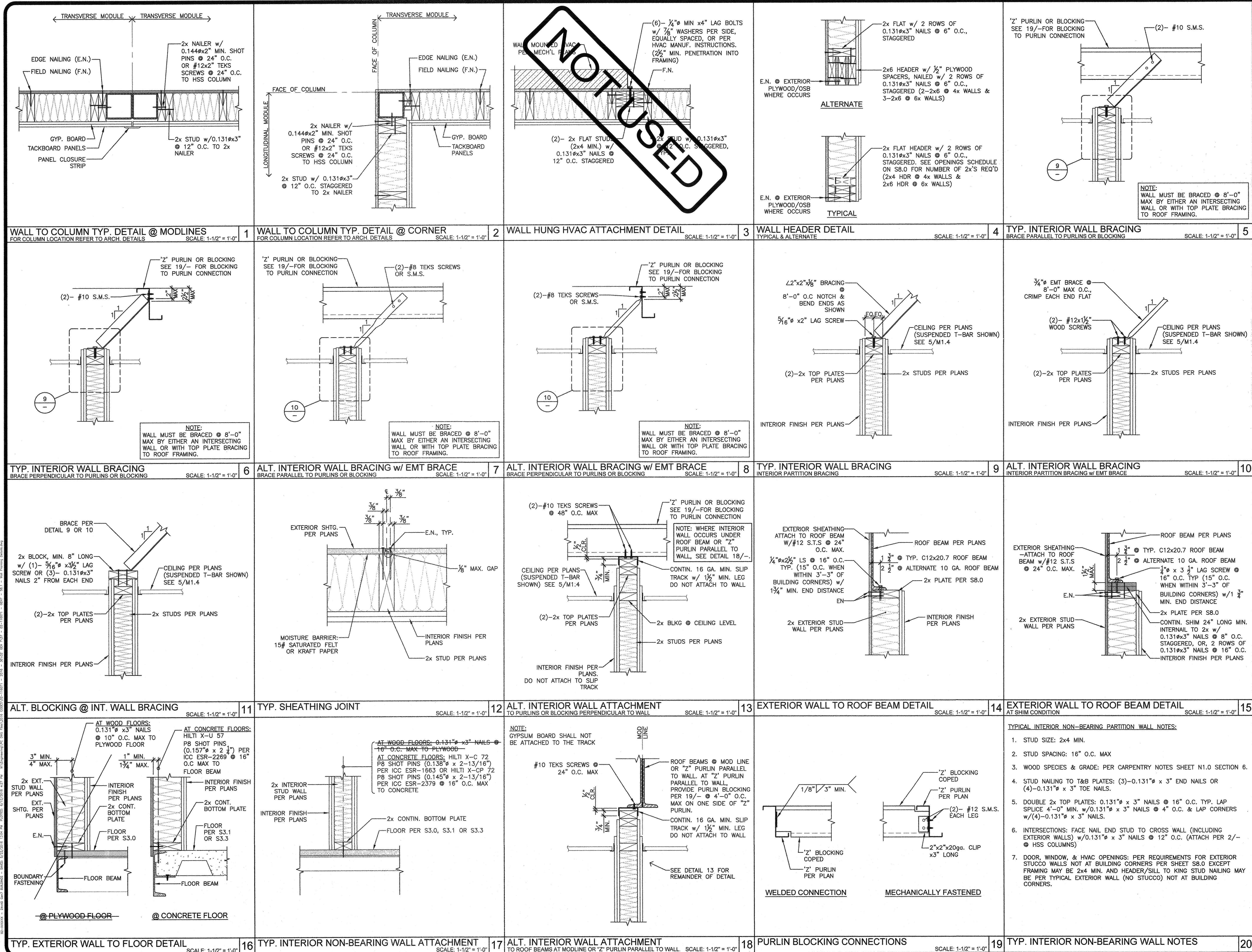
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 LICENSED ARCHITECT
 ROBERT PATRICK CAMPBELL
 No. 5322
 State of California
 FEB 23 2018

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 DIV. OF THE STATE ARCHITECT
 APPROX 119722
 AC FLS SS 87
 DATE FEB 05 2018

ORIGINAL PC STATE AGENCY APPROVAL
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 DIV. OF THE STATE ARCHITECT
 PC 02-116071
 AC FLS SS 87
 DATE 7 10 12
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 CODE 2016 CBC
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REVISIONS
 DRAWN BY:
 SCALE: AS NOTED
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S8.0



NOT USED



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PRE-CHECKED SET NAME
30x32' THRU 150x32' BUILDINGS

Gen7
 healthy schools. delivered

SITE SPECIFIC PROJECT NAME

SHEET TITLE
WALL FRAMING DETAILS - WOOD STUDS

MANUFACTURER PROFESSIONAL OF RECORD ON PC

Licensed Architect
 Robert J. Anderson
 No. 5322
 State of California

REGISTERED PROFESSIONAL ENGINEER
 Robert J. Anderson
 No. 5322
 State of California

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 APPROX 119722
 AC - FLS - SS
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ORIGINAL PC STATE AGENCY APPROVAL

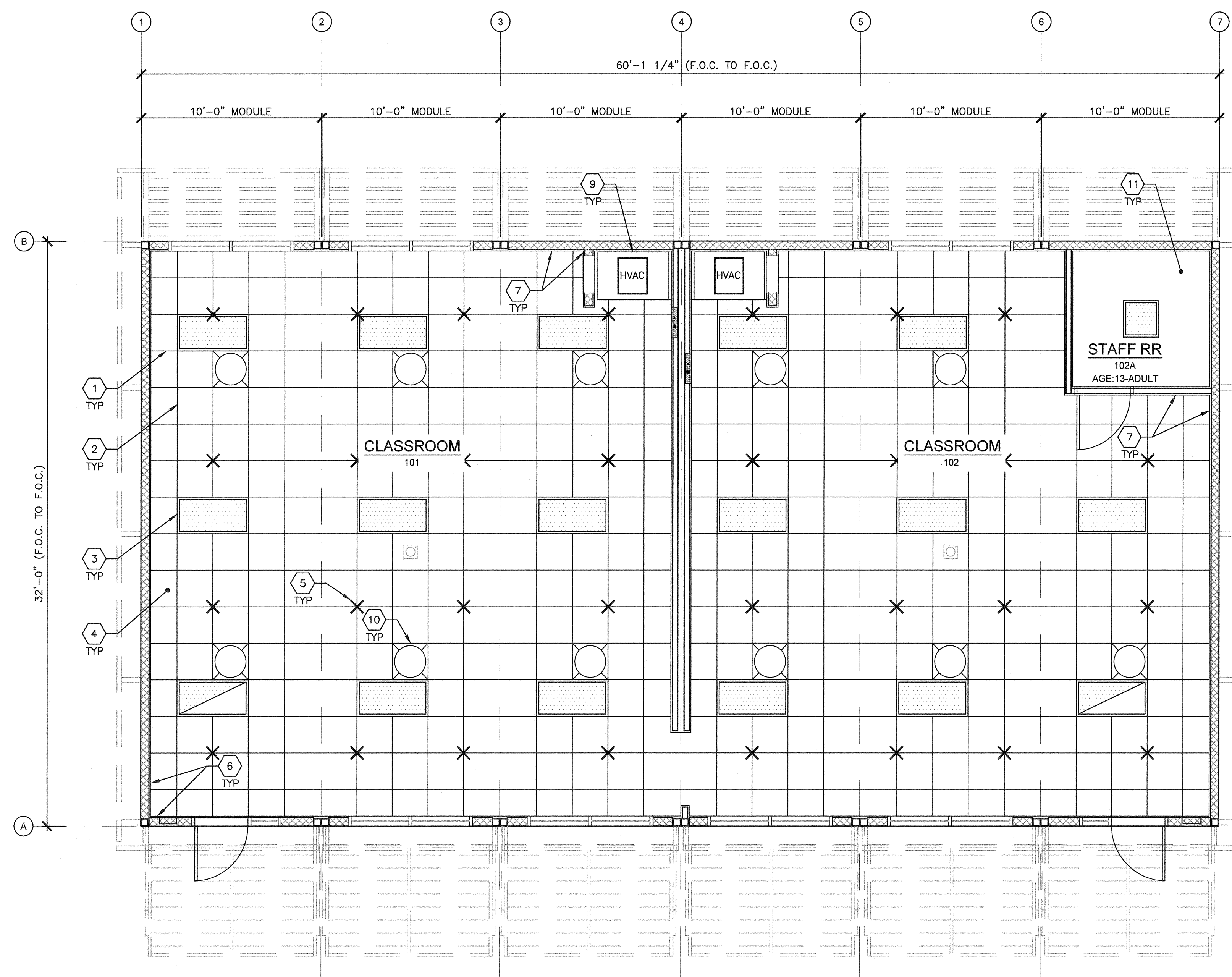
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S8.1



- 1 MAIN TEE RUNNER TYP. PER TABLE A, SHEET M1.7
- 2 CROSS TEE RUNNER TYP. PER TABLE A, SHEET M1.7
- 3 INTERIOR LIGHT FIXTURE, REFER TO SHEET SHEET E1.0 FOR SPEC'S ATTACHMENT PER DETAIL 7/M1.4
- 4 CEILING HEIGHT @ 8'-6" MIN.
- 5 STRUT/SPLAY WIRE ASSEMBLY, SEE 2/M1.4 FOR DETAILS
- 6 FIXED CEILING END, SEE DETAIL 5A/M1.4
- 7 FREE CEILING END, SEE DETAIL 5B/M1.4
- 8 NOT USED
- 9 TYP. HVAC UNIT
- 10 SOLA-TUBE - SEE DETAIL 1/M1.6
- 11 GYP BOARD CEILING

KEY NOTES

1. WHERE TWO OR MORE HVAC UNITS SERVE A COMMON SPACE, UNITS SHALL BE EQUIPPED WITH A DUCT SMOKE DETECTOR FOR AUTO SHUTDOWN, INTERCONNECT WITH FIRE ALARM SYSTEM.
2. AUTOMATIC SHUT-OFF IS NOT REQUIRED WHEN ALL OCCUPIED ROOMS SERVED BY THE AIR HANDLING EQUIPMENT HAVE DIRECT ACCESS TO THE EXTERIOR AND THE TRAVEL DISTANCE DOES NOT EXCEED 100 FT. PER C.M.C. 608.1 EXCEPTION #2.
3. LIGHT FIXTURES MAY BE INSTALLED ROTATED 90° FROM SHOWN TO MATCH T-GRID.

GENERAL NOTES

MEP COMPONENT ANCHORAGE NOTES

ALL MECHANICAL, PLUMBING, AND ELECTRICAL COMPONENTS SHALL BE ANCHORED AND INSTALLED PER THE DETAILS ON THE DSA APPROVED CONSTRUCTION DOCUMENTS. WHERE NO DETAIL IS INDICATED, THE FOLLOWING COMPONENTS SHALL BE ANCHORED OR BRACED TO MEET THE FORCE AND DISPLACEMENT REQUIREMENTS PRESCRIBED IN THE 2016 CBC, SECTIONS 1616A.1.18 THROUGH 1616A.1.26 AND ASCE 7-10 CHAPTER 13, 26 AND 30.

1. ALL PERMANENT EQUIPMENT AND COMPONENTS.
2. TEMPORARY OR MOVABLE EQUIPMENT THAT IS PERMANENTLY ATTACHED (E.G. HARD WIRED) TO THE BUILDING UTILITY SERVICES SUCH AS ELECTRICITY, GAS OR WATER.
3. 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.

THE FOLLOWING MECHANICAL AND ELECTRICAL COMPONENTS SHALL BE POSITIVELY ATTACHED TO THE STRUCTURE, BUT THE ATTACHMENT NEED NOT BE DETAILED ON THE PLANS. THESE COMPONENTS SHALL HAVE FLEXIBLE CONNECTIONS PROVIDED BETWEEN THE COMPONENT AND ASSOCIATED DUCTWORK, PIPING, AND CONDUIT.

- A. COMPONENTS WEIGHING LESS THAN 400 POUNDS AND HAVE A CENTER OF MASS LOCATED 4 FEET OR LESS ABOVE THE ADJACENT FLOOR OR ROOF LEVEL THAT DIRECTLY SUPPORT THE COMPONENT.
- B. COMPONENTS WEIGHING LESS THAN 20 POUNDS, OR IN THE CASE OF DISTRIBUTED SYSTEMS, LESS THAN 5 POUNDS PER FOOT, WHICH ARE SUSPENDED FROM A ROOF OR FLOOR OR HUNG FROM A WALL.

FOR THOSE ELEMENTS THAT DO NOT REQUIRE DETAILS ON THE APPROVED DRAWINGS, THE INSTALLATION SHALL BE SUBJECT TO THE APPROVAL OF THE DESIGN PROFESSIONAL IN GENERAL RESPONSIBLE CHARGE OR STRUCTURAL ENGINEER DELEGATED RESPONSIBILITY AND THE DSA DISTRICT STRUCTURAL ENGINEER. THE PROJECT INSPECTOR WILL VERIFY THAT ALL COMPONENTS AND EQUIPMENT HAVE BEEN ANCHORED IN ACCORDANCE WITH ABOVE REQUIREMENTS.

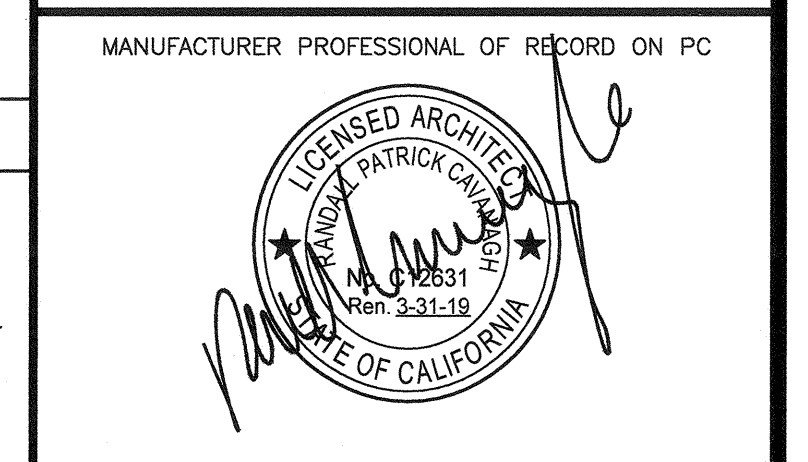


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PRE-CHECKED SET NAME
30'x32' THRU 150'x32' BUILDINGS
 Gen7
 healthy schools, delivered

SITE SPECIFIC PROJECT NAME
**GLENDALE USD
 CRESCENTA VALLEY HS
 (1) 60'x32' BUILDING**

SHEET TITLE
**TYPICAL
 REFLECTED CEILING
 PLAN**



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IDENTIFICATION STAMP
 DIV. OF THE STATE ARCHITECT
 APPROX 119722
 AC FLS SS GY
 DATE FEB 03 2015

ORIGINAL PC STATE AGENCY APPROVAL

BASED ON PC# 02-116071
 PRE-CHECK (PC) DOCUMENT
 CODE: 2016 CBC
 A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRED

REVISIONS
 DRAWN BY: AS
 SCALE: AS NOTED
 DATE: 01/04/19
 SHEET NUMBER

M1.0

TYPICAL REFLECTED CEILING PLAN

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

BUILDING SIZE	TOTAL # OF 10'-0" WIDE MODULES	TOTAL # OF CENTER MODULES	TOTAL BLDG WIDTH
<input type="checkbox"/> 30'x32'	3	1	30'-3/4"
<input type="checkbox"/> 40'x32'	4	2	40'-3/4"
<input type="checkbox"/> 50'x32'	5	3	50'-1"
<input checked="" type="checkbox"/> 60'x32'	6	4	60'-1 1/2"
<input type="checkbox"/> 70'x32'	7	5	70'-1 1/2"
<input type="checkbox"/> 80'x32'	8	6	80'-1 1/2"
<input type="checkbox"/> 90'x32'	9	7	90'-2"
<input type="checkbox"/> 100'x32'	10	8	100'-2 1/2"
<input type="checkbox"/> 110'x32'	11	9	110'-2 1/2"
<input type="checkbox"/> 120'x32'	12	10	120'-2 1/2"
<input type="checkbox"/> 130'x32'	13	11	130'-3"
<input type="checkbox"/> 140'x32'	14	12	140'-3 1/4"
<input type="checkbox"/> 150'x32'	15	13	150'-3 1/2"

- NOTES:
1. TOTAL BUILDING WIDTH INCLUDES 1/4" PER MODULE CONSTRUCTION TOLERANCE PER FOUNDATION SHEETS S1.1, S1.2, & S1.3

NOT USED

NOT USED

NOT USED

BUILDING SIZE SCHEDULE

MEP COMPONENT ANCHORAGE NOTES



American Modular Systems

787 Sprackels Ave., Manteca, CA 95336
Phone (209) 825-1921 - Fax (209) 825-7018
www.americanmodular.com

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30'x32' THRU 150'x32' BUILDINGS
Gen7
healthy schools. delivered

SITE SPECIFIC PROJECT NAME
**GLENDALE USD
CRESCENTA VALLEY HS
(1) 60'x32' BUILDING**

SHEET TITLE
**TYPICAL MECHANICAL
PLAN OPTIONS**



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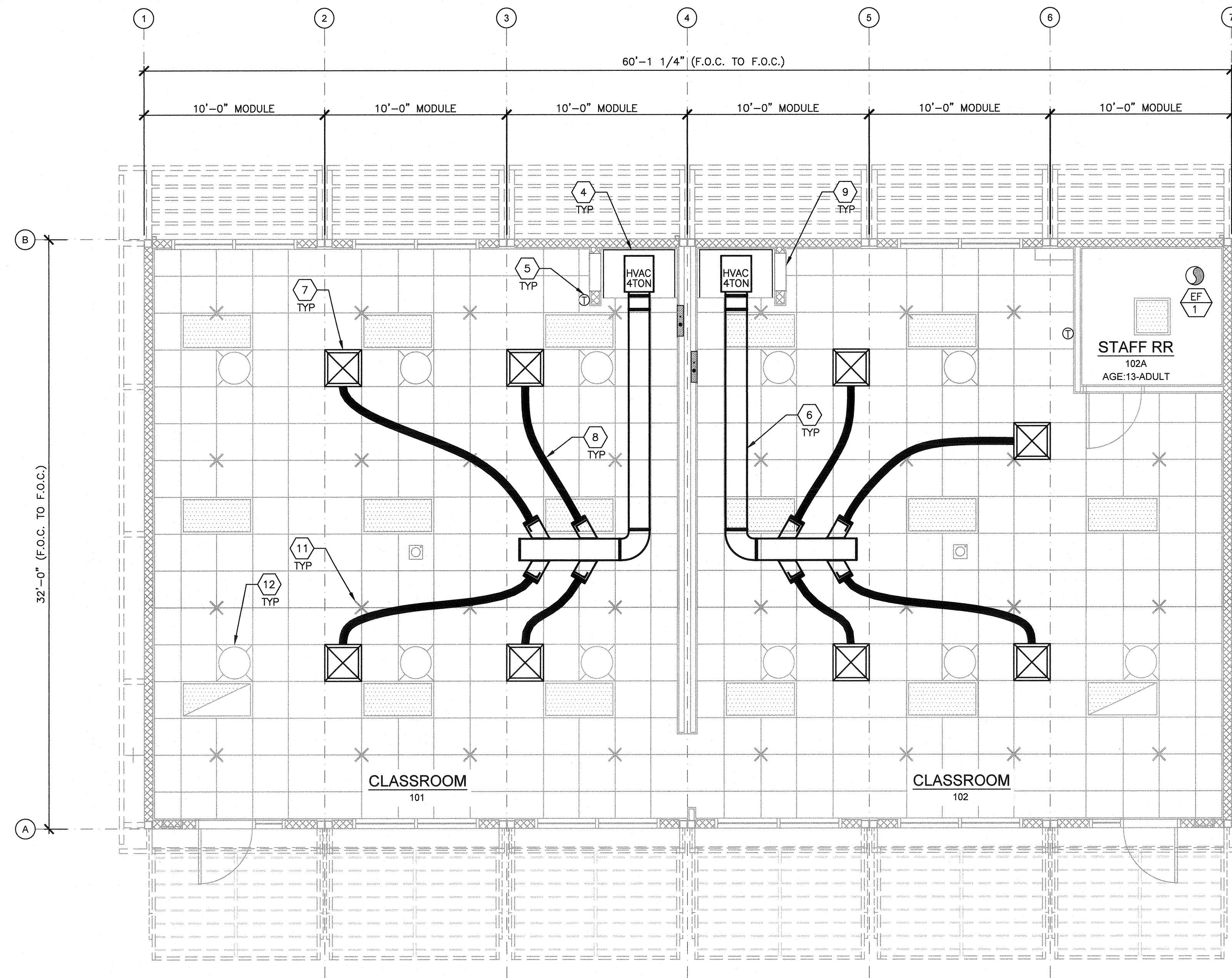
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APPROX 119722
AC FLS SS BY
DATE FEB 05 2019

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BASED ON PC# 02-116071
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REVISIONS
DRAWN BY: AS
SCALE: AS NOTED
DATE: 01/04/19
SHEET NUMBER

M1.1



WALL HUNG OPTION

MARK	DESCRIPTION	CFM	WATTS	S.P.	VOLT/PH
EF 1	EXHAUST FAN	110	47.3	.10"	120-1Φ
EF 2	EXHAUST FAN	210	72	.125"	120-1Φ
EF 3	EXHAUST FAN	308	112	.125"	120-1Φ

- NOTES:
1. VENT EXHAUST FAN THROUGH ROOF.
2. FANS MUST WEIGH LESS THAN 75 LBS.
3. LIGHTING FIXTURES MAY BE INSTALLED ROTATED 90° FROM SHOWN TO MATCH T-BAR LAYOUT.

- WHERE TWO OR MORE HVAC UNITS SERVE A COMMON SPACE, UNITS SHALL BE EQUIPPED WITH A DUCT SMOKE DETECTOR FOR AUTOMATIC SHUTDOWN, INTERCONNECT WITH FIRE ALARM SYSTEM.
- AIR-MOVING SYSTEMS SUPPLYING AIR IN EXCESS OF 2000 CUBIC FEET PER MINUTE TO ENCLOSED SPACES WITHIN THE BUILDING SHALL BE EQUIPPED WITH AN AUTOMATIC SHUTOFF.
- AUTOMATIC SHUT-OFF IS NOT REQUIRED WHEN OCCUPIED ROOMS SERVED BY THE AIR HANDLING EQUIPMENT HAVE A DIRECT EXIT TO THE EXTERIOR AND THE TRAVEL DISTANCE DOES NOT EXCEED 100 FT. (PER C.M.C. 608.1 EXCEPTION #2.)
- LIGHTING FIXTURE MAY BE INSTALLED ROTATED 90° FROM SHOWN TO MATCH T-BAR.
- FOR T-BAR CEILING SPECIFICATIONS, SEE M1.7.

- NOT USED
- NOT USED
- NOT USED
- NOT USED
- INTERIOR HVAC SYSTEM - SEE 9/M1.4.
- THERMOSTAT - 46" A.F.F., MAX TO TOP OF BOX
- CONCEALED SUPPLY AIR DUCT ABOVE T-BAR CEILING - SEE 1/M1.4.
- TYPICAL 4-WAY SUPPLY AIR REGISTER LOCATION AND SIZE MAY VARY PER CEILING LAYOUT AND BUILDING SIZE - SEE 7/M1.5.
- FLEX DUCT - NOMINAL 10" MIN. (MAY VARY) - SEE 8/M1.5.
- RETURN AIR AS PART OF UNIT.
- NOT USED
- STRUT/SPLAY WIRE ASSEMBLY, SEE 5/M1.4 FOR DETAILS
- SOLA-TUBE - SEE DETAIL 1/M1.6

BUILDING SIZE (FT)	TOTAL # OF 12' WIDE MODULES	TOTAL # OF CENTER MODULES	OVERALL SIZE ¹
30'x32'	3	1	30'- $\frac{1}{2}$ "
40'x32'	4	2	40'- $\frac{3}{4}$ "
50'x32'	5	3	50'-1"
60'x32'	6	4	60'-1 $\frac{1}{2}$ "
70'x32'	7	5	70'-1 $\frac{1}{2}$ "
80'x32'	8	6	80'-1 $\frac{3}{4}$ "
90'x32'	9	7	90'-2"
100'x32'	10	8	100'-2 $\frac{1}{2}$ "
110'x32'	11	9	110'-2 $\frac{3}{4}$ "
120'x32'	12	10	120'-3"
130'x32'	13	11	130'-3 $\frac{1}{4}$ "
140'x32'	14	12	140'-3 $\frac{1}{2}$ "
150'x32'	15	13	150'-3 $\frac{3}{4}$ "

- NOTES:
1. TOTAL BUILDING WIDTH INCLUDES $\frac{1}{4}$ " PER MODULE CONSTRUCTION TOLERANCE PER FOUNDATION SHEETS S1.1, S1.2, & S1.3
2. REFER TO SHEET M1.7 FOR TYPICAL NOTES AND CALL OUTS.

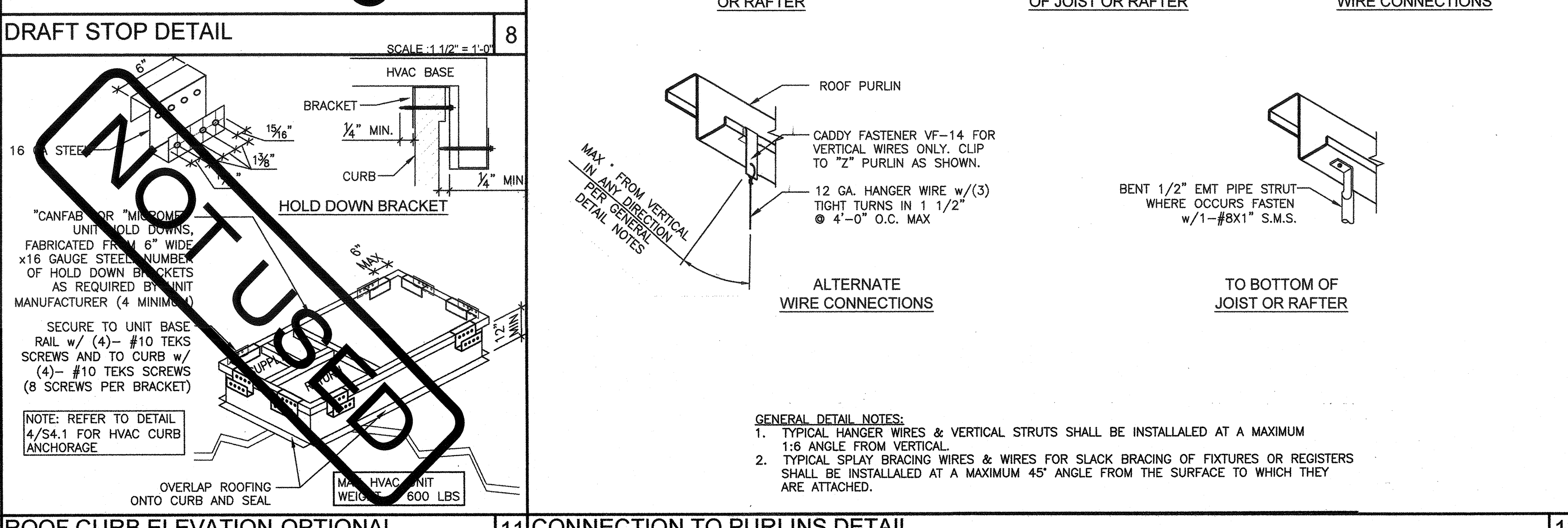
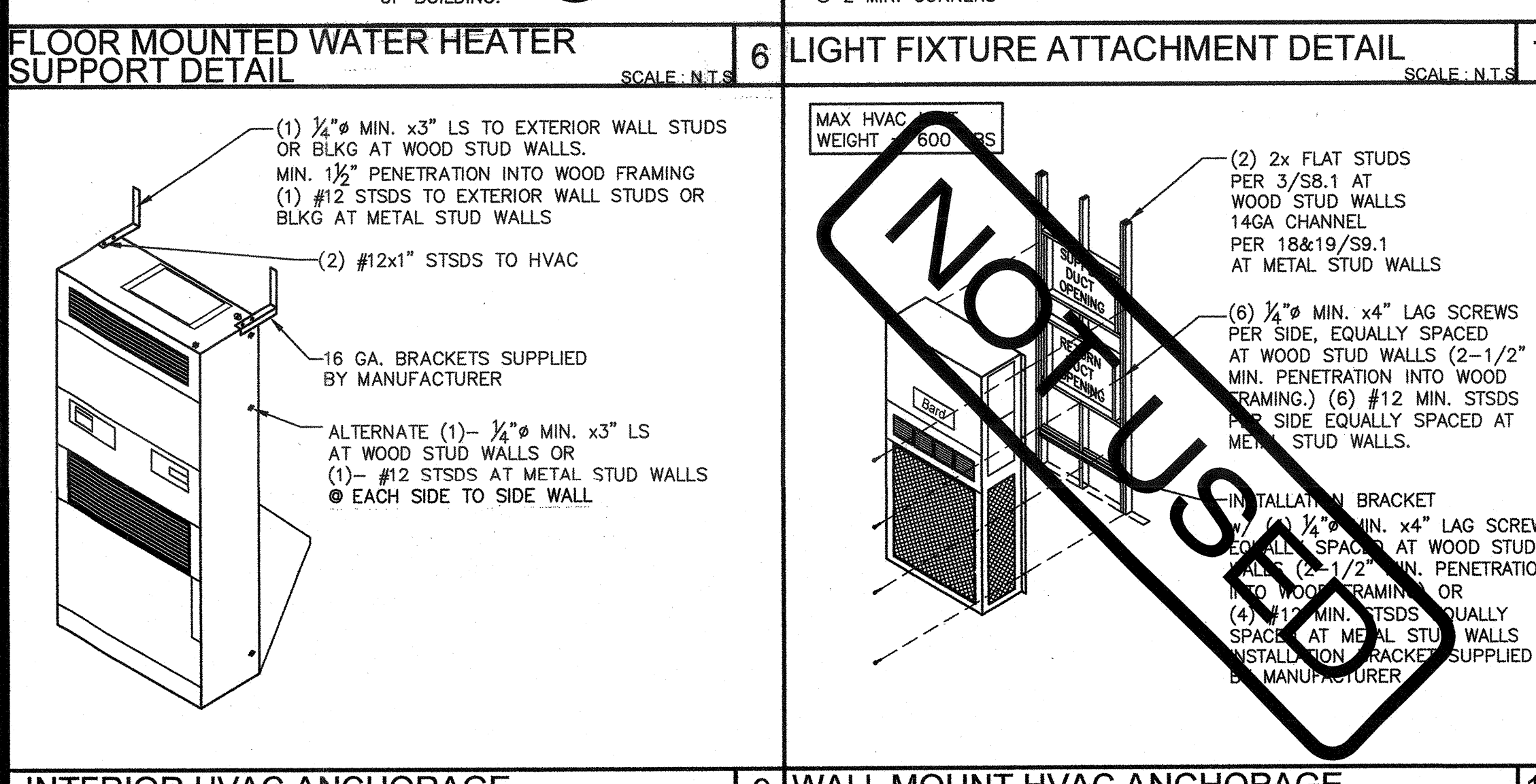
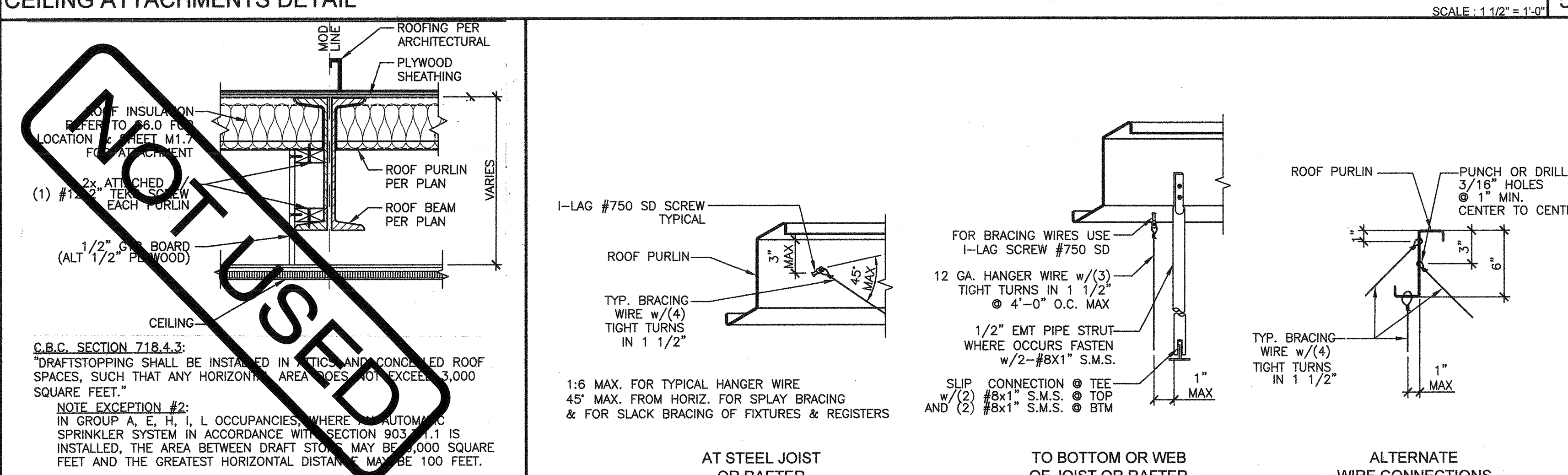
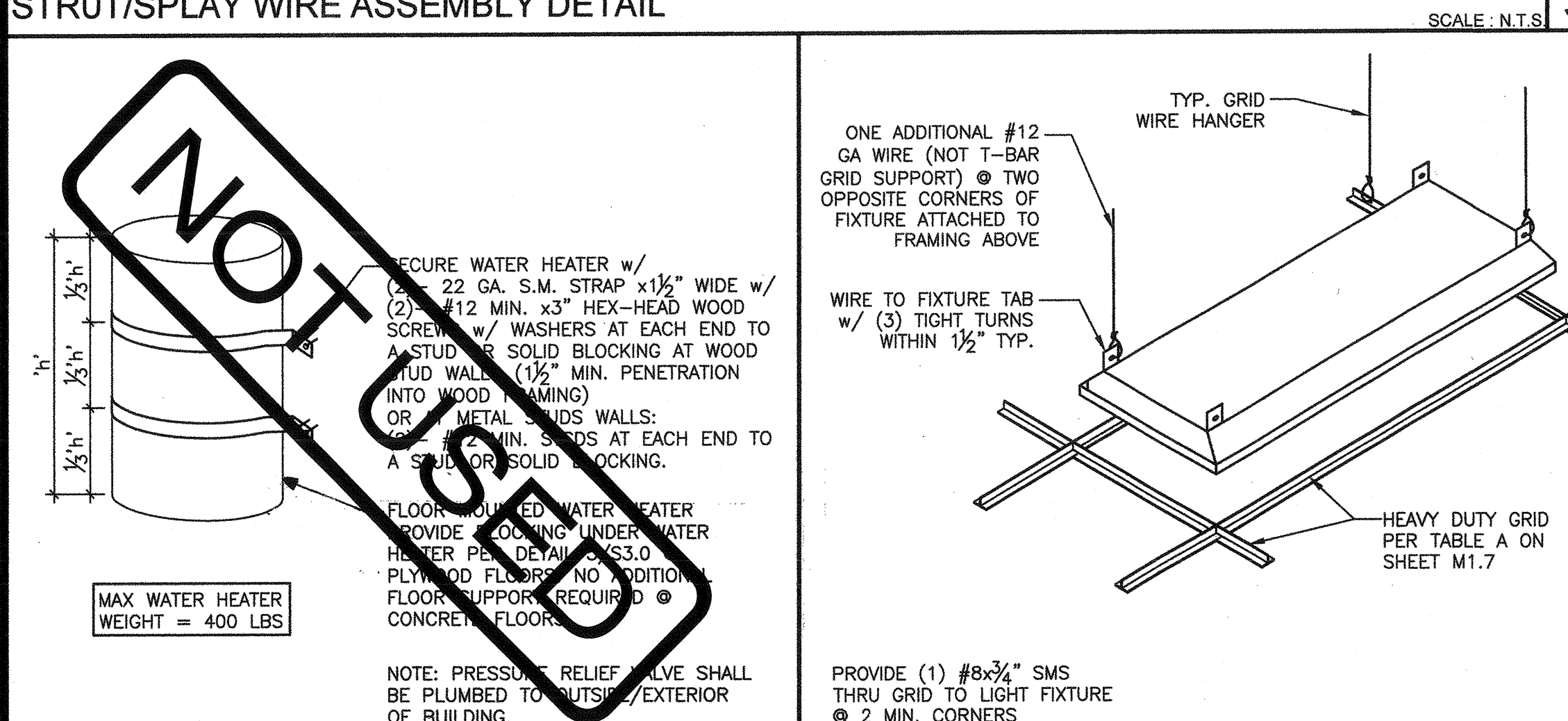
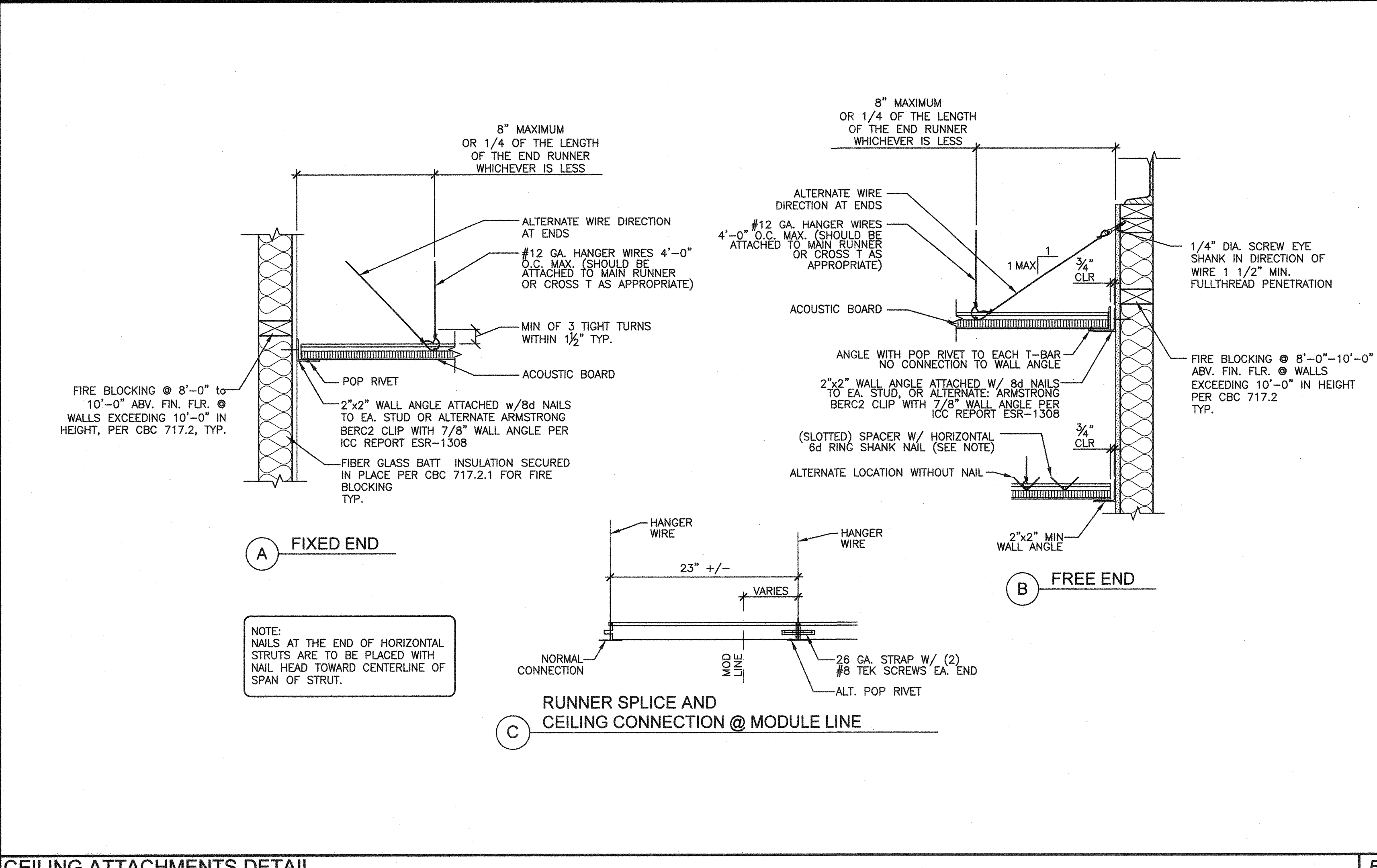
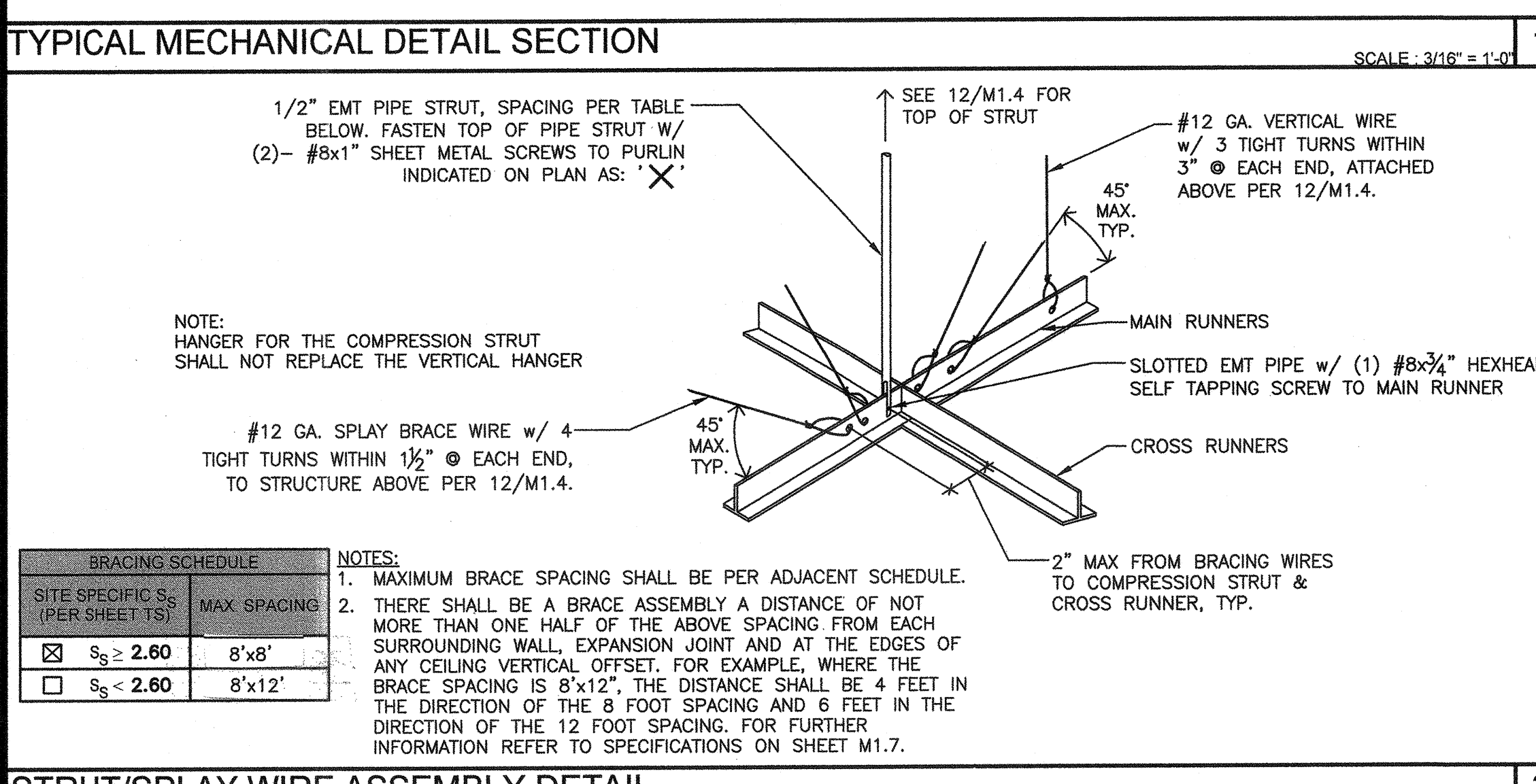
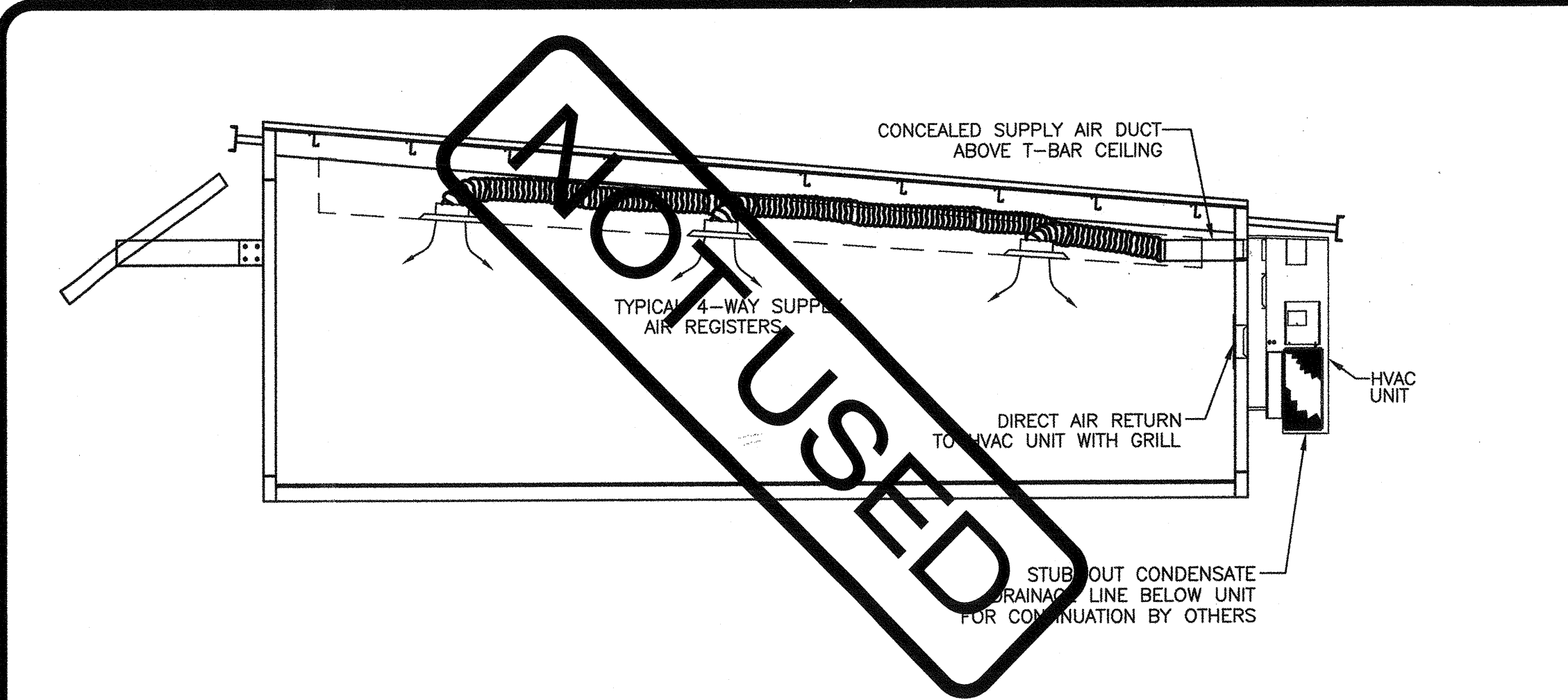
EXHAUST FAN SCHEDULE 5

SHEET NOTES

KEY NOTES

BUILDING SIZE SCHEDULE

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



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PRE-CHECKED SET NAME
30'x32' THRU 150'x32' BUILDINGS
Gen7
healthy schools, delivered

SITE SPECIFIC PROJECT NAME

SHEET TITLE

MECHANICAL BUILDING SECTIONS & CEILING DETAILS

MANUFACTURER PROFESSIONAL OF RECORD ON PC

LICENSED ARCHITECT
AMY PATRICK CHURCH
No. 23831
Exp. 3-31-16
STATE OF CALIFORNIA

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APP03 119722
AC FLS SS
DATE FEB 05 2019

ORIGINAL PC STATE AGENCY APPROVAL

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
PC 02-116071
AC FLS SS
DATE 7 10 19

PRE-CHECK (PC) DOCUMENT
CODE: 2016 CBC
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REVISIONS

△	PC REVISION - 01.07.16
△	
△	
△	

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SCALE: AS NOTED

DATE:

SHEET NUMBER

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30'x32' THRU 150'x32' BUILDINGS
Gen7
healthy schools. delivered

SITE SPECIFIC PROJECT NAME
SHEET TITLE

CEILING & MECHANICAL DETAILS

MANUFACTURER PROFESSIONAL OF RECORD ON PC
LICENCED ARCHITECT
PATRICK J. COOPER
No. 22831
Exp. 8-31-18
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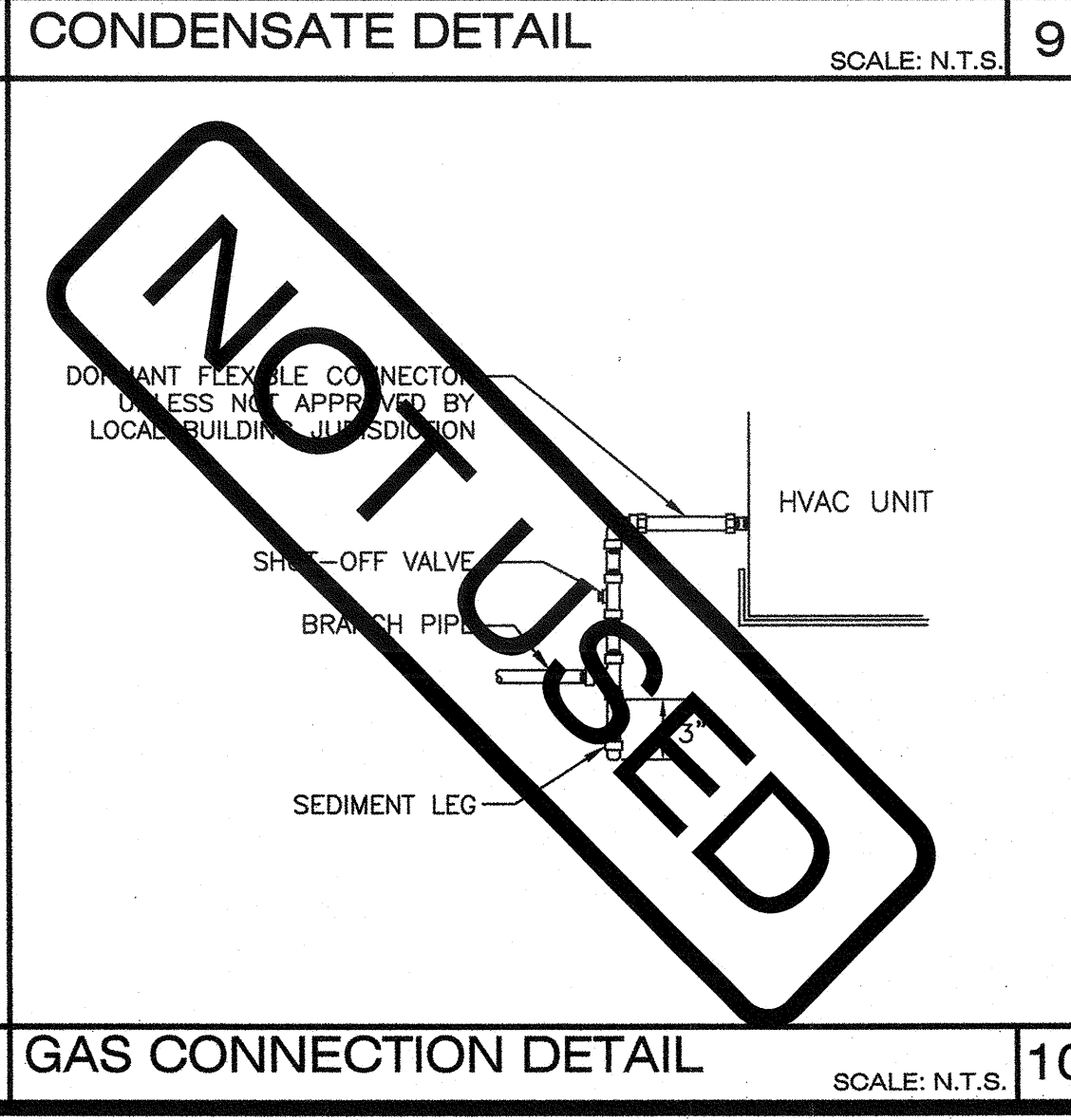
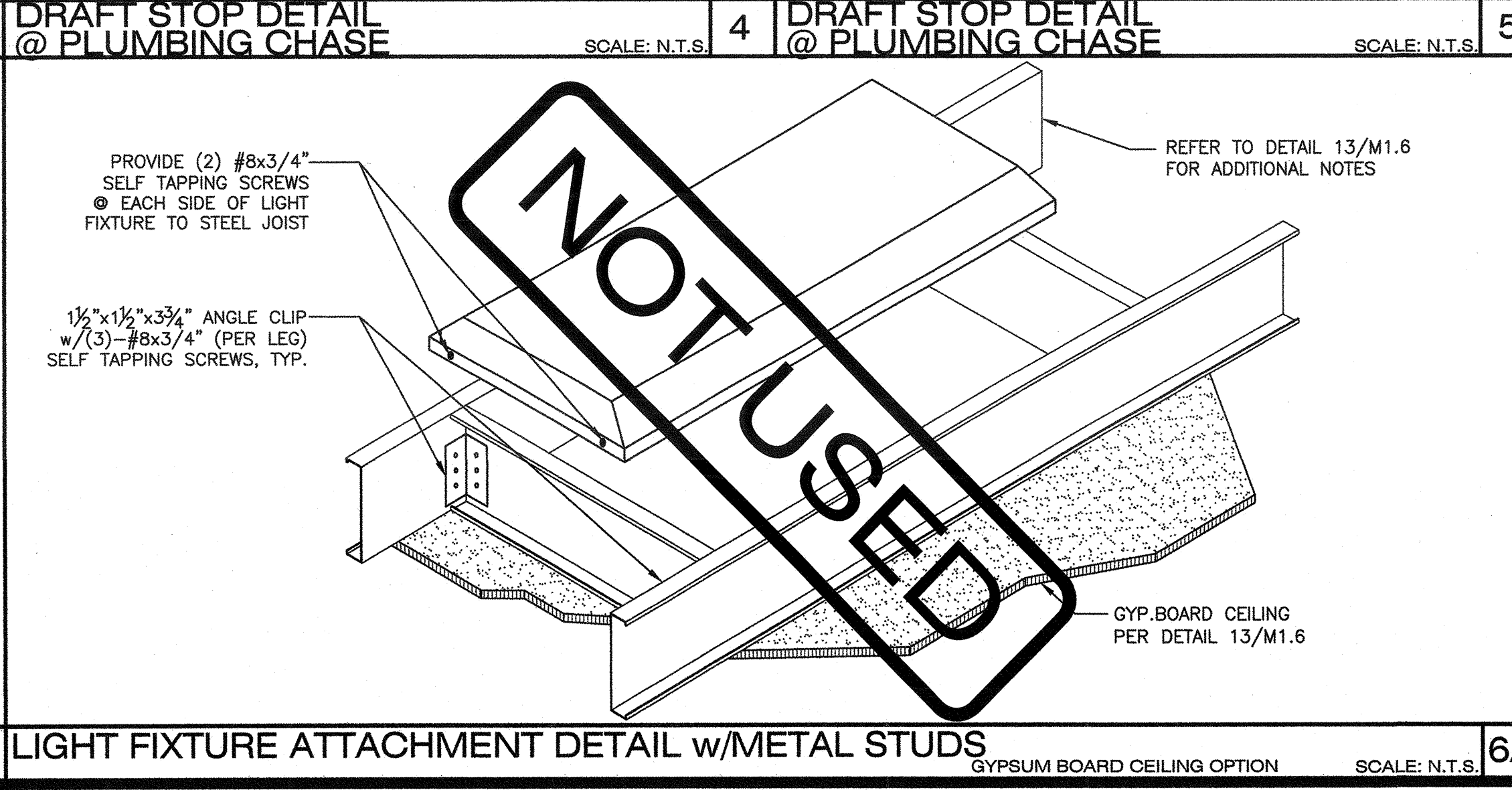
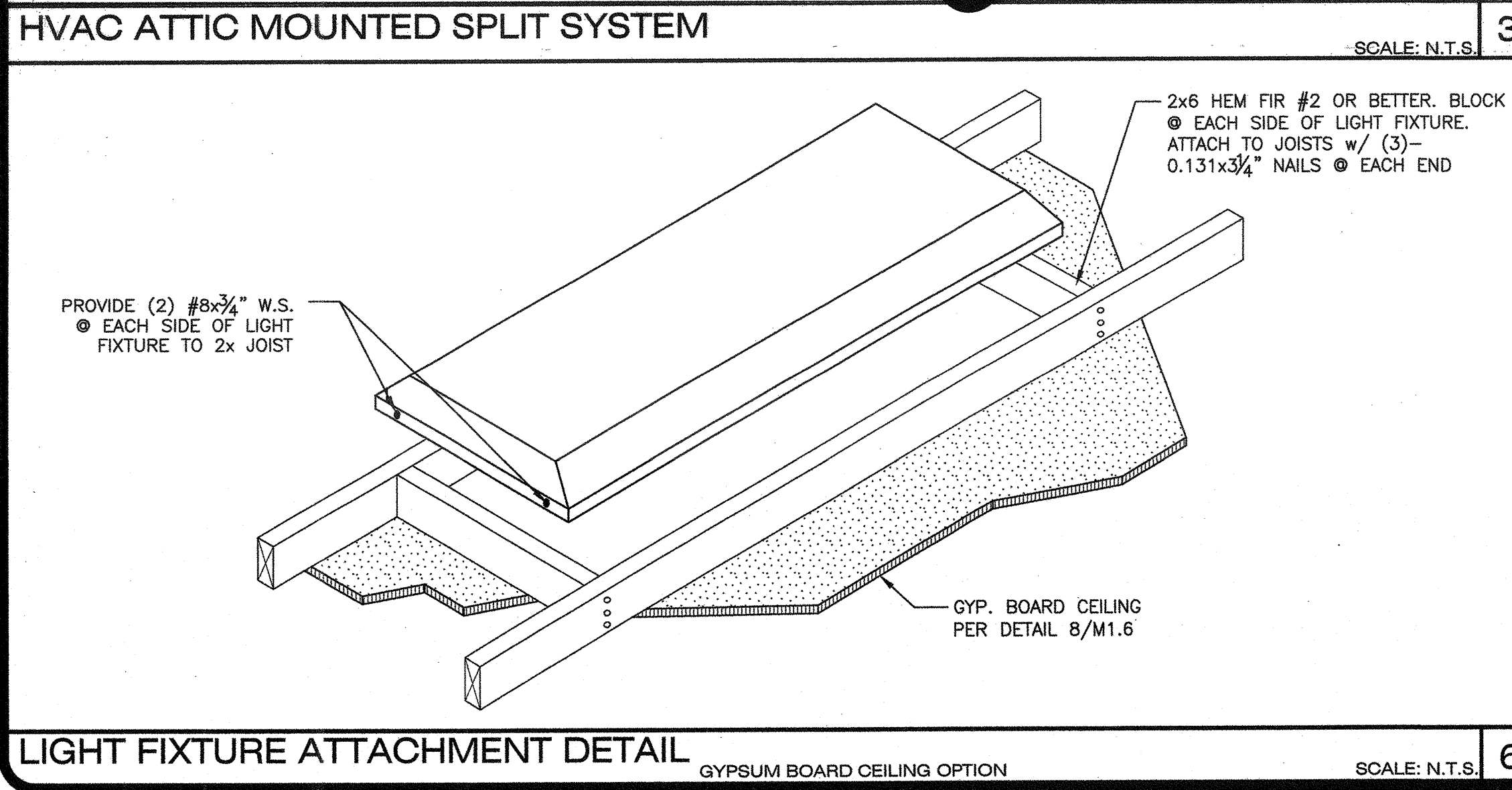
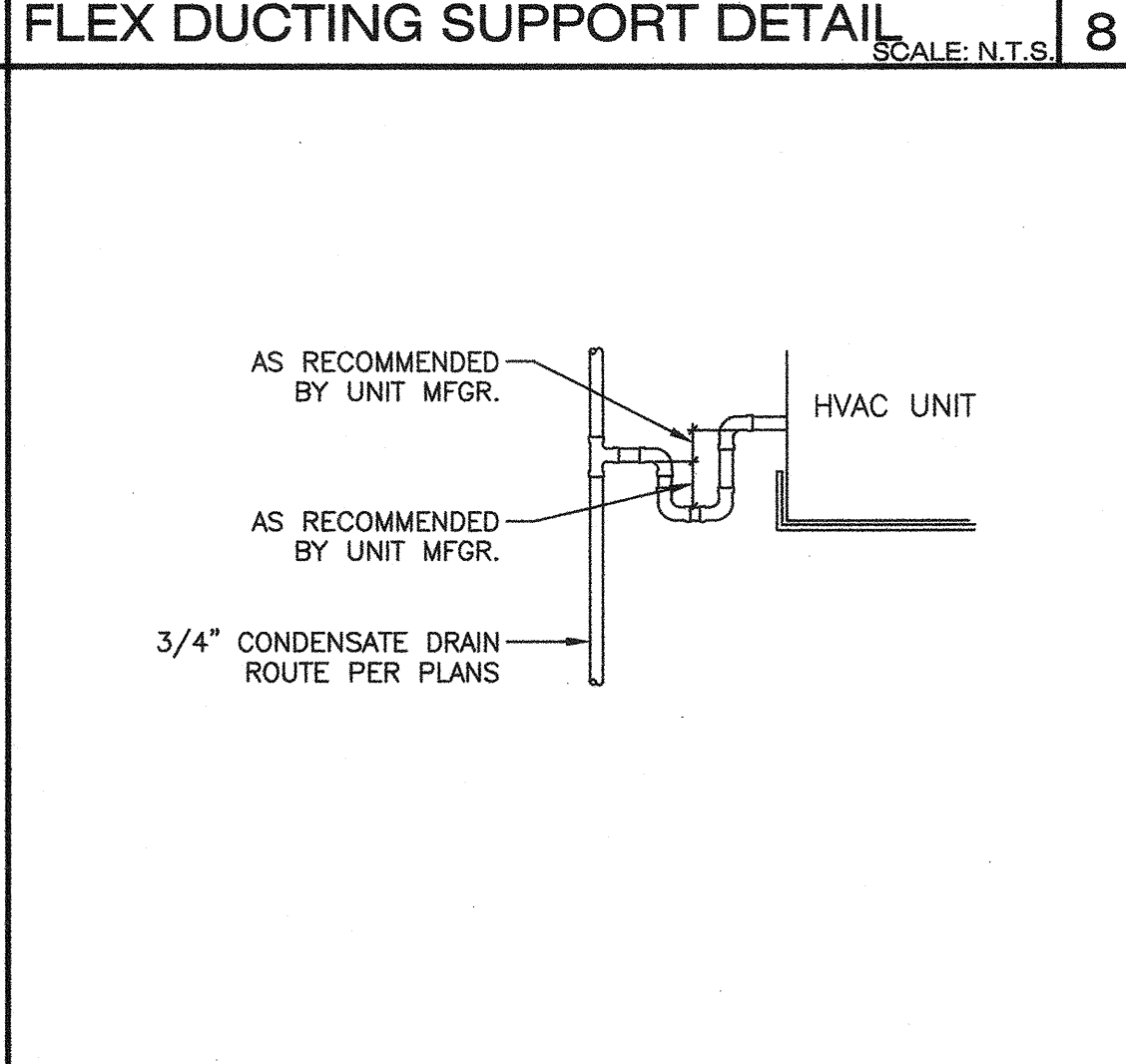
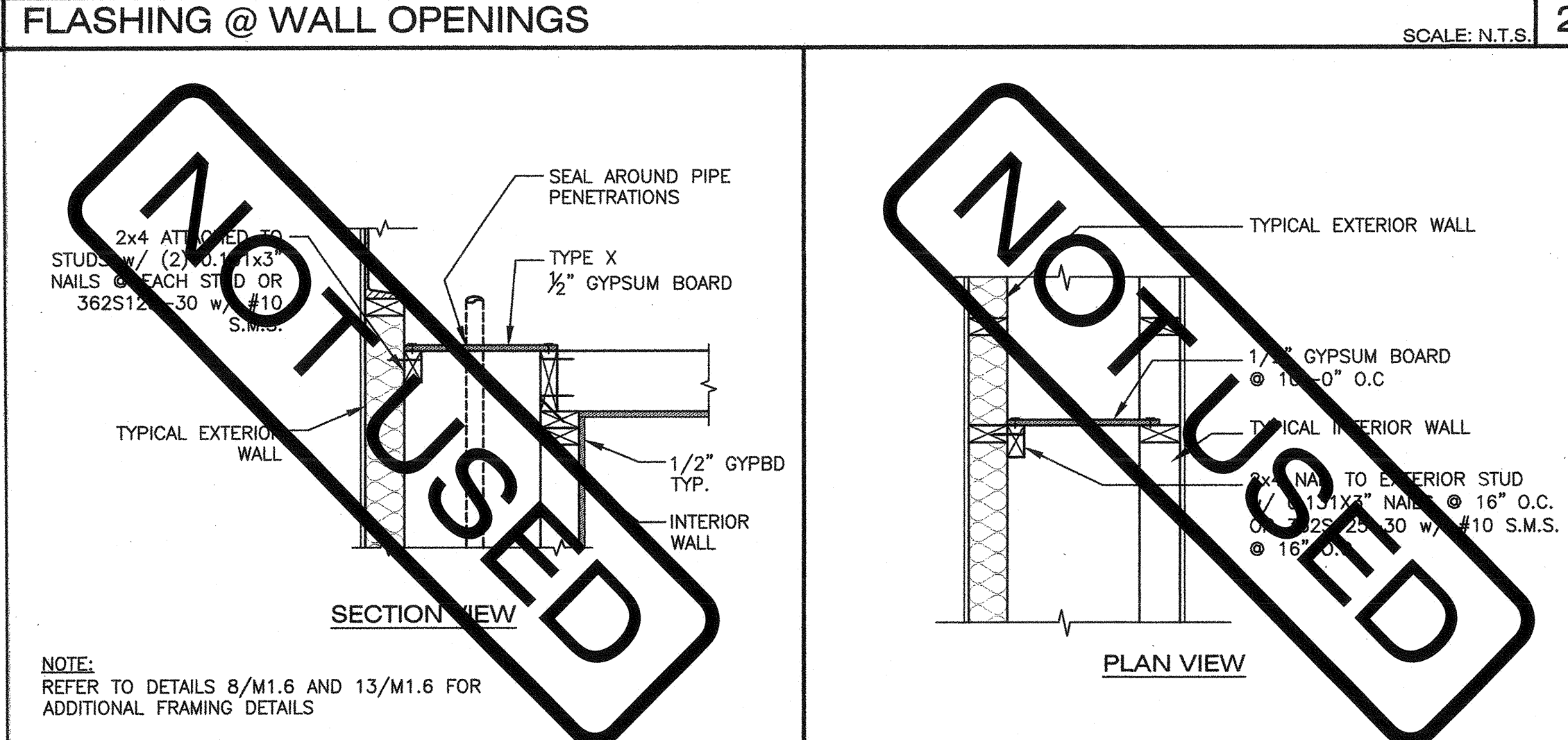
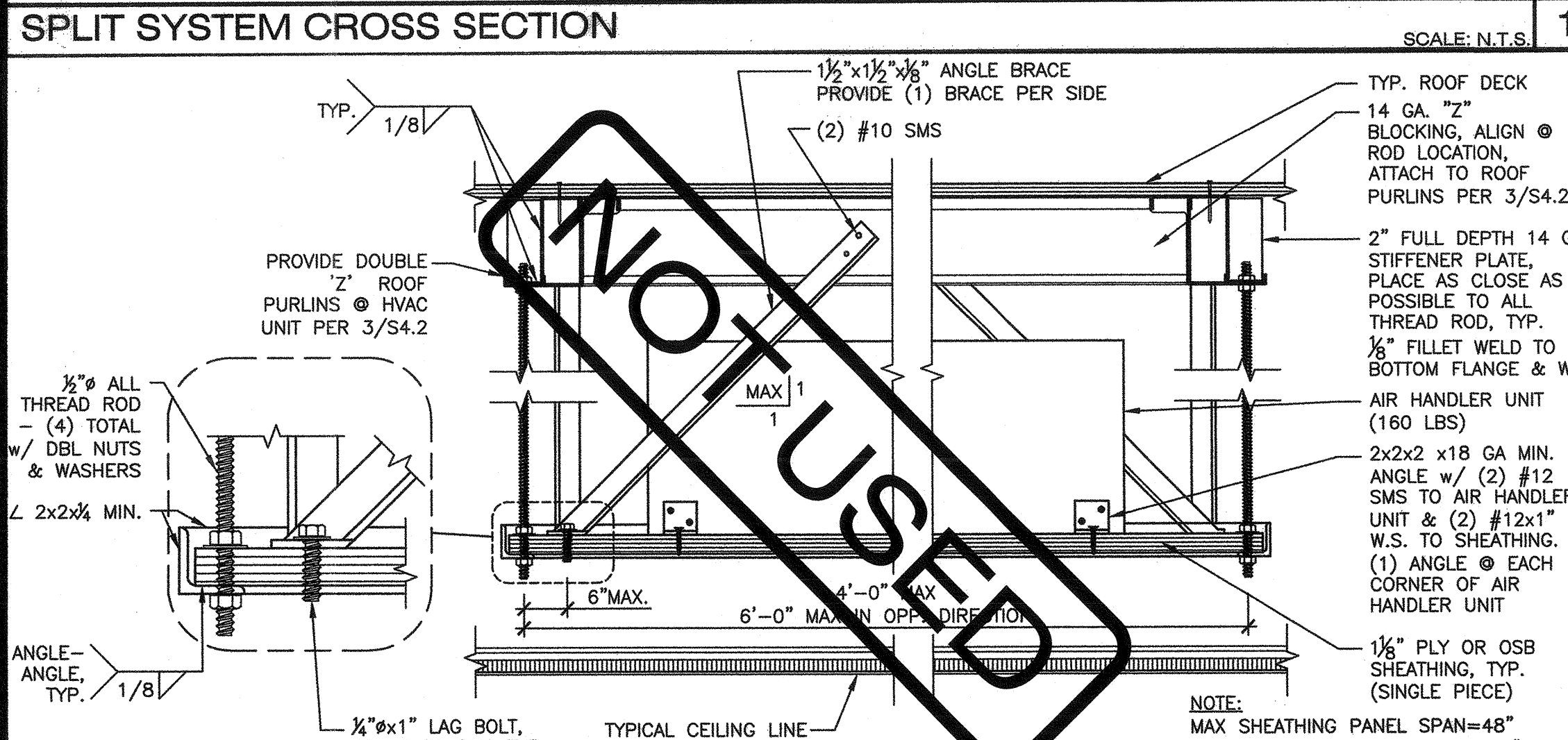
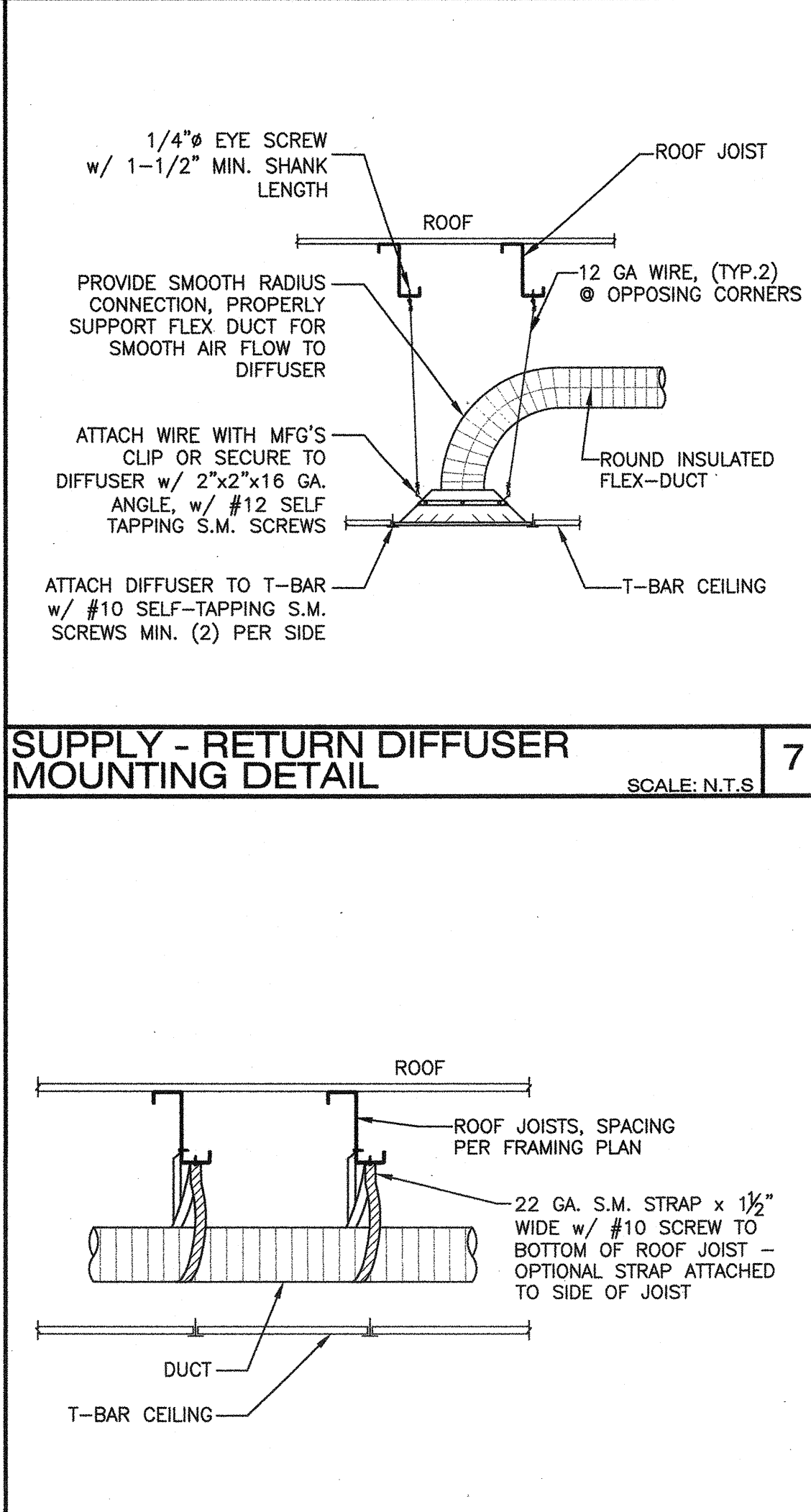
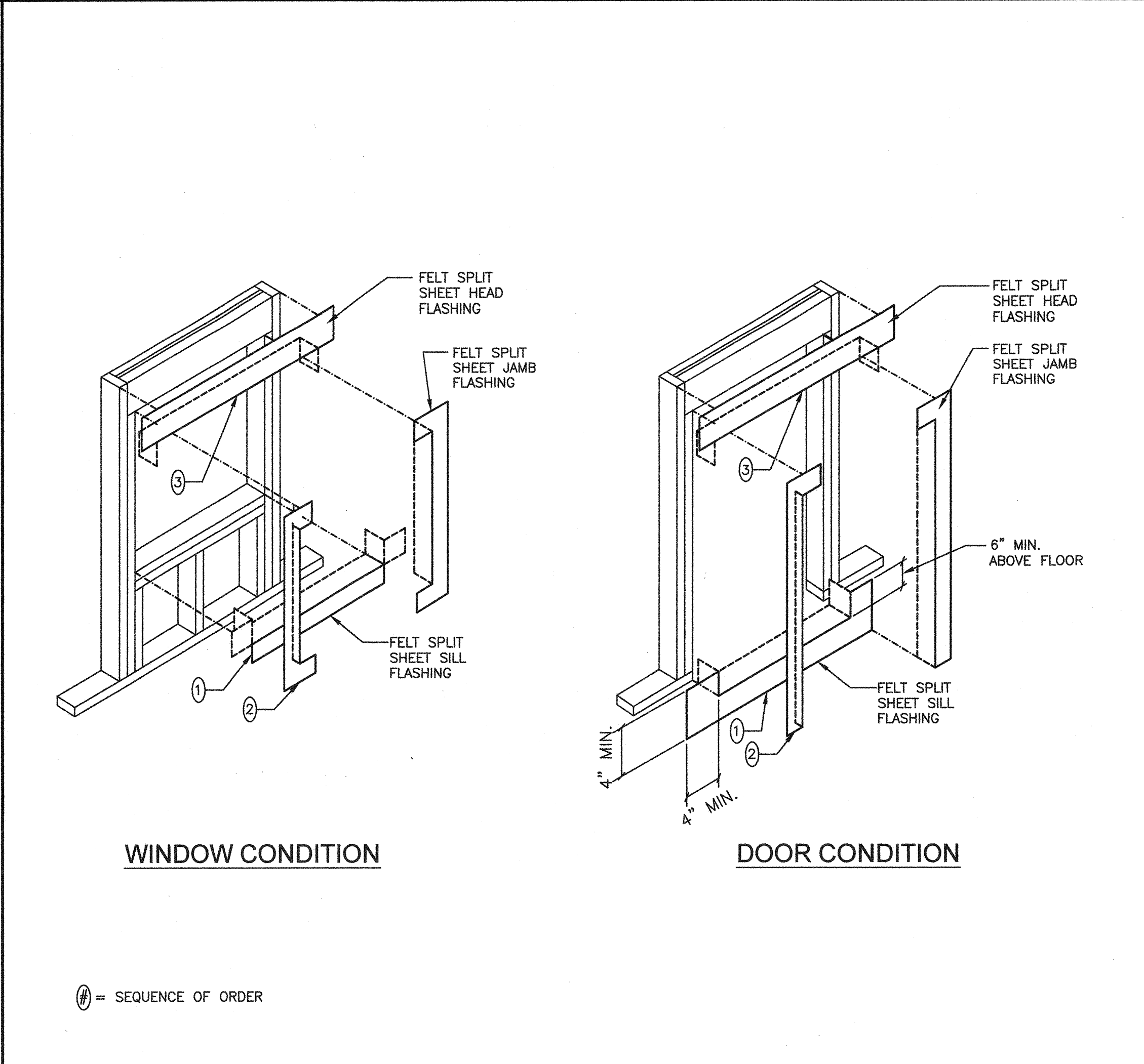
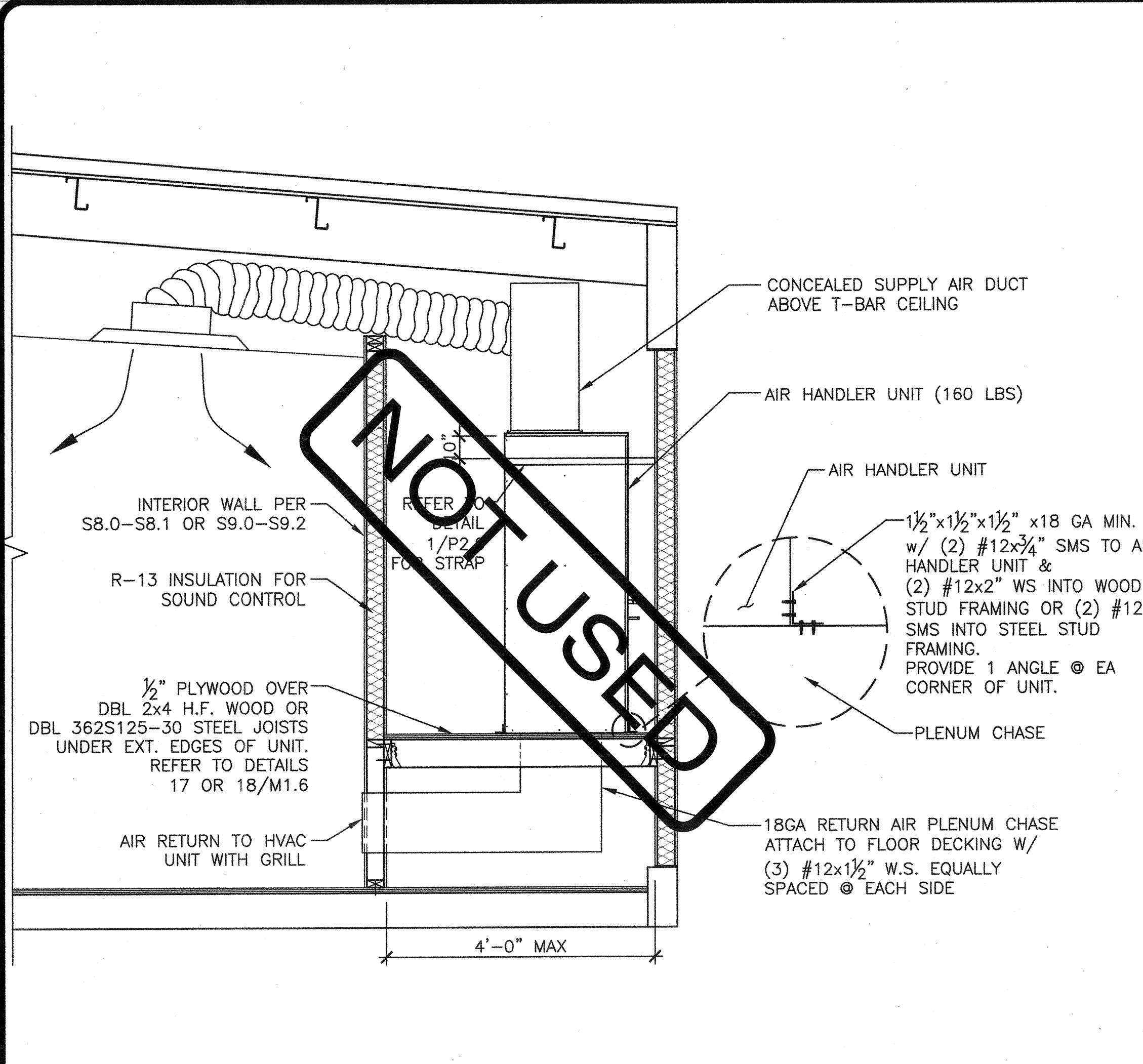
PROJECT SPECIFIC STATE AGENCY APPROVAL
IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APPROX 119722
AC FLS SS
DATE FEB 05 2018

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IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
PC 02-116071
AC FLS SS
DATE 7-10-18

PRE-CHECK (PC) DOCUMENT
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SCALE: AS NOTED
DATE:
SHEET NUMBER

M1.5

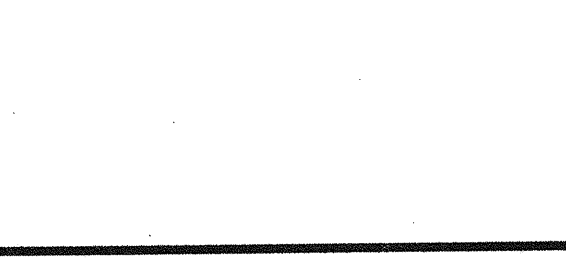




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PRE-CHECKED SET NAME
30x32 THRU 150x32' BUILDINGS



SITE SPECIFIC PROJECT NAME
SHEET TITLE
MECHANICAL ROOF DETAILS

MANUFACTURER PROFESSIONAL OF RECORD ON PC



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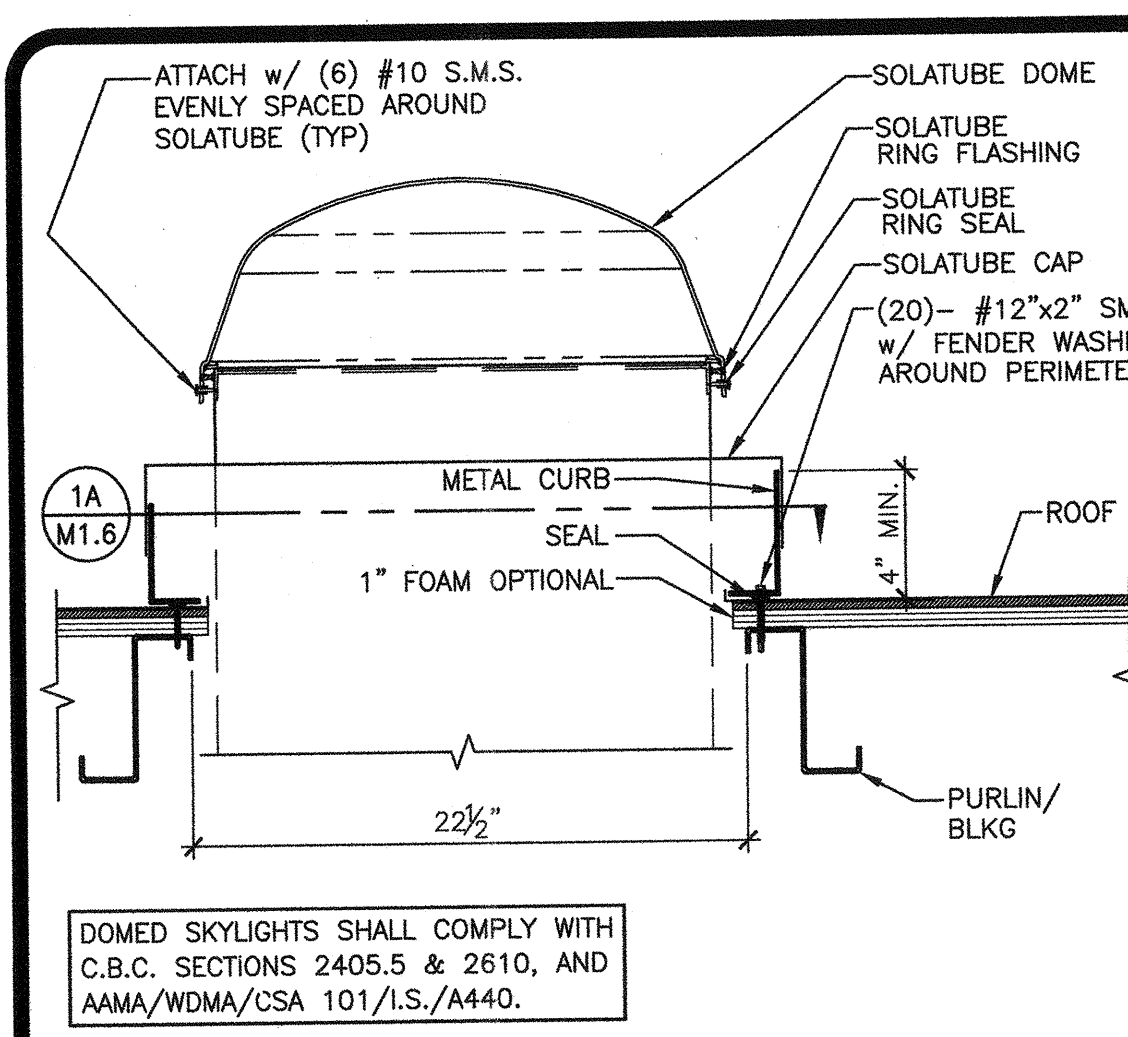
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DATE 7 10 19

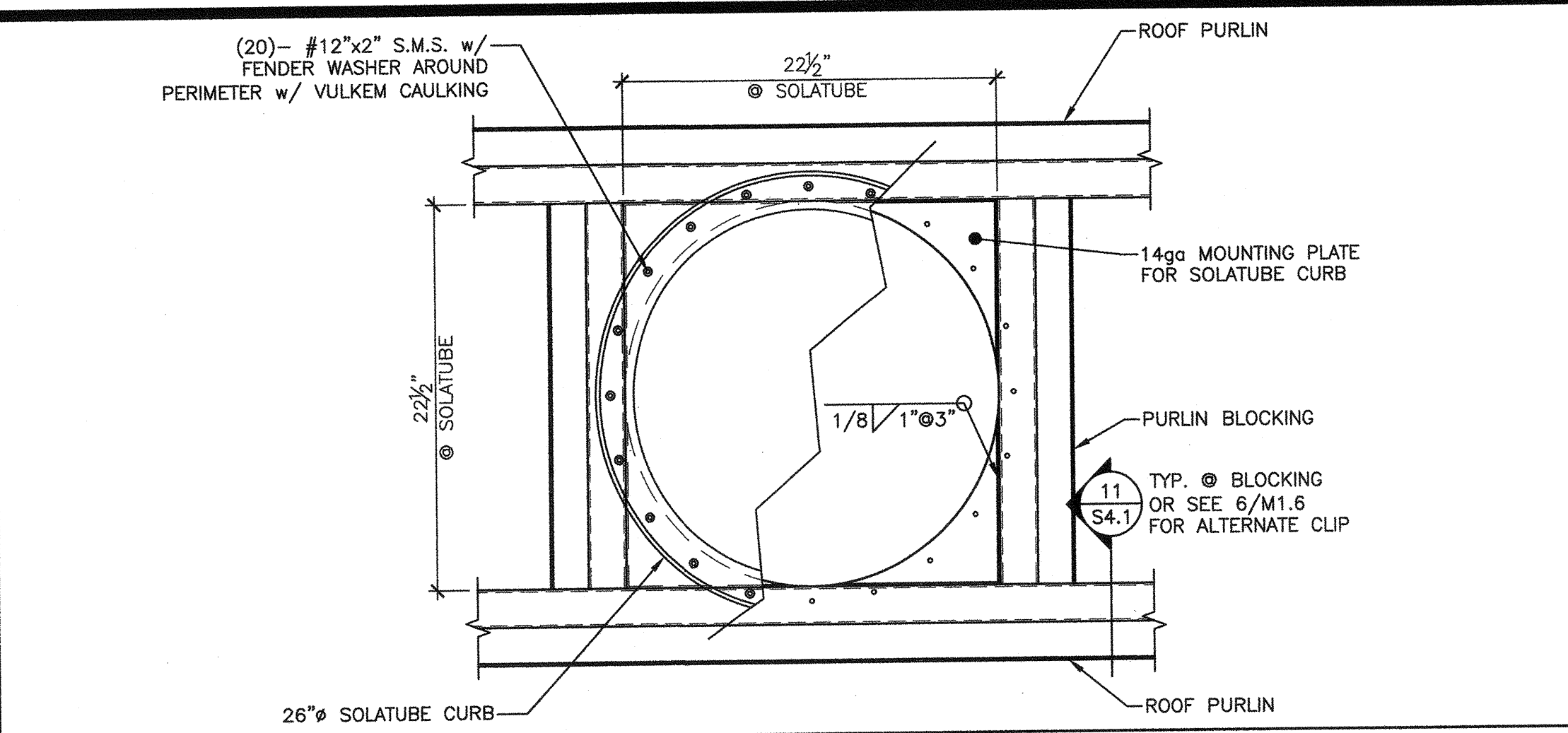
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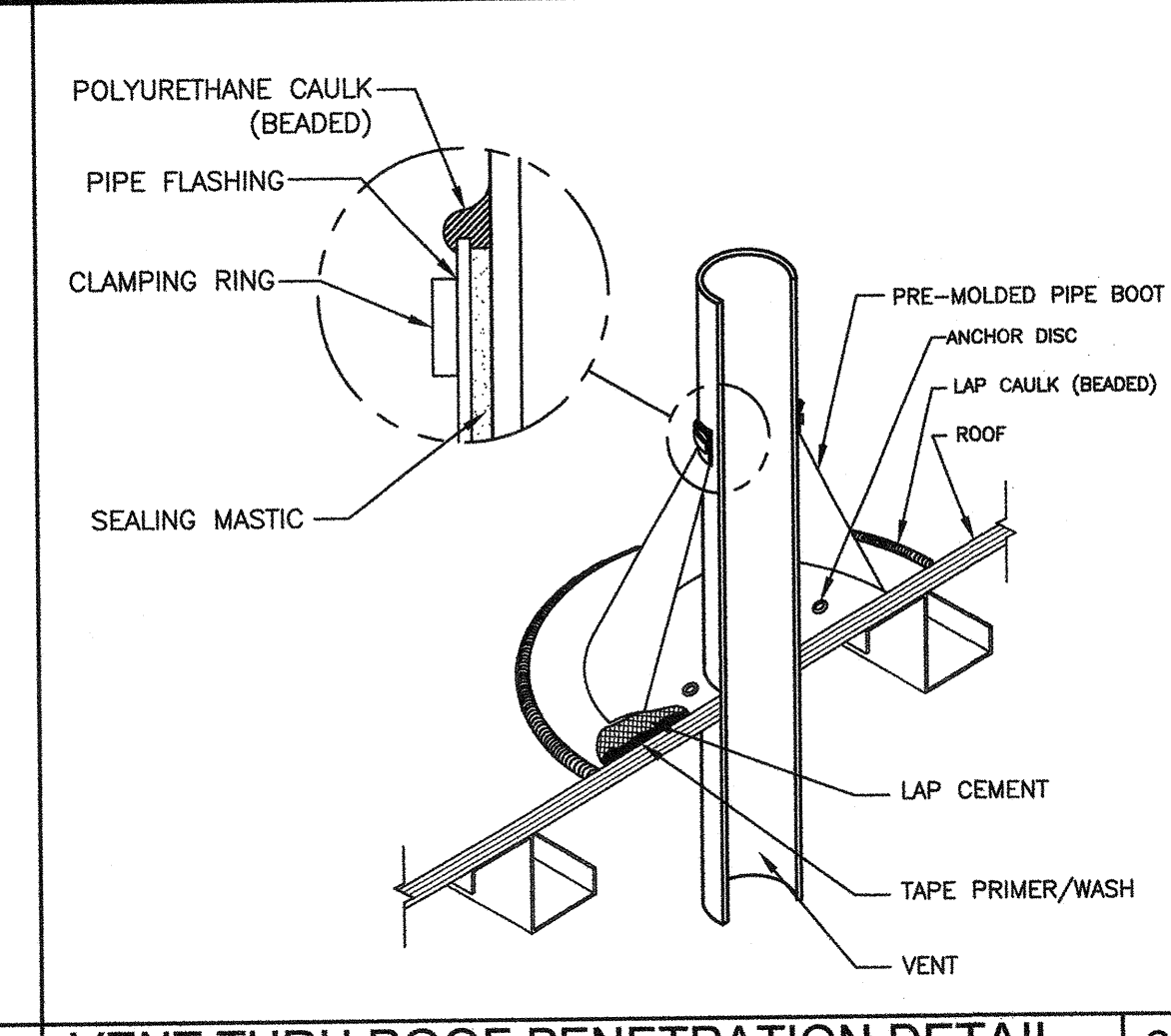
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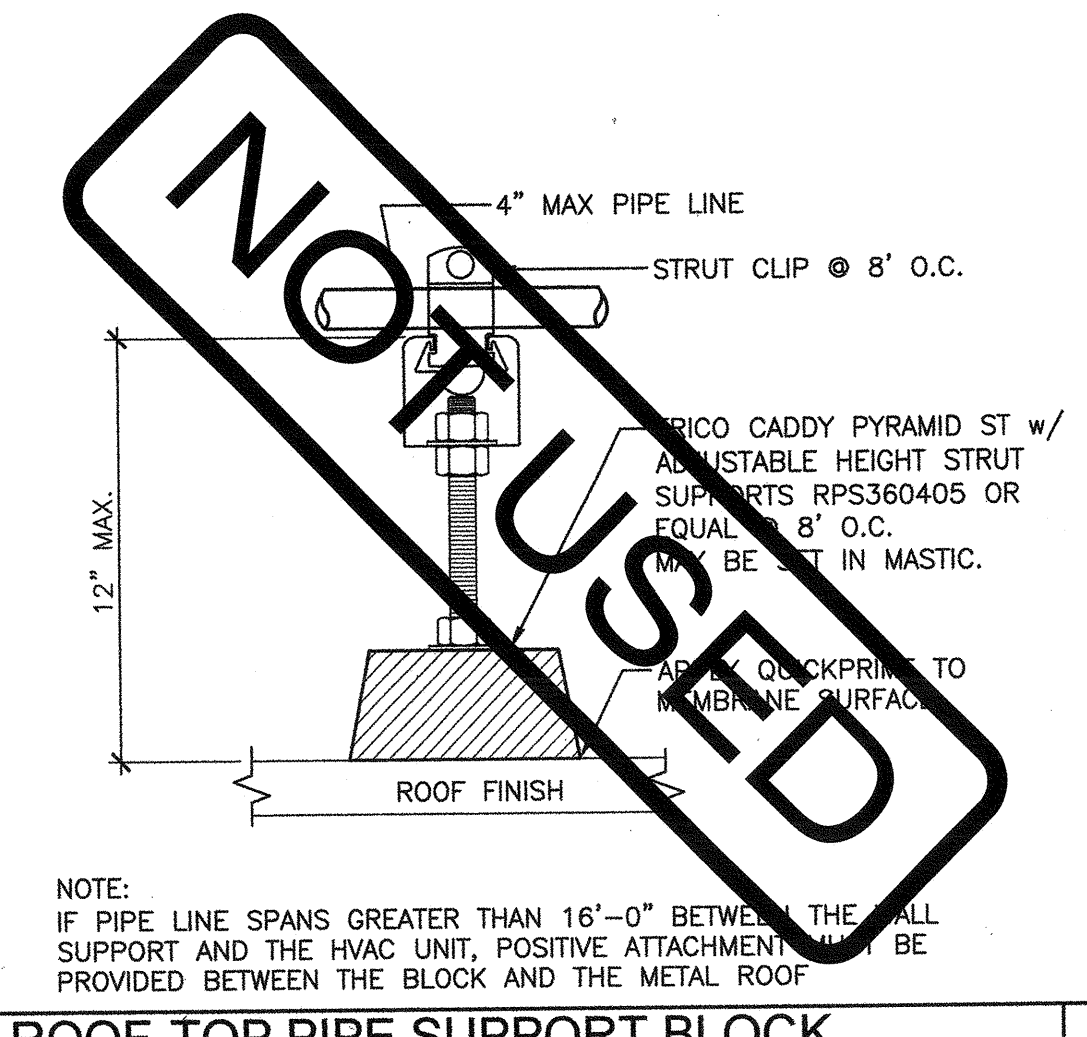
SOLATUBE ATTACHMENT DETAIL
SCALE: 1-1/2" = 1'-0"



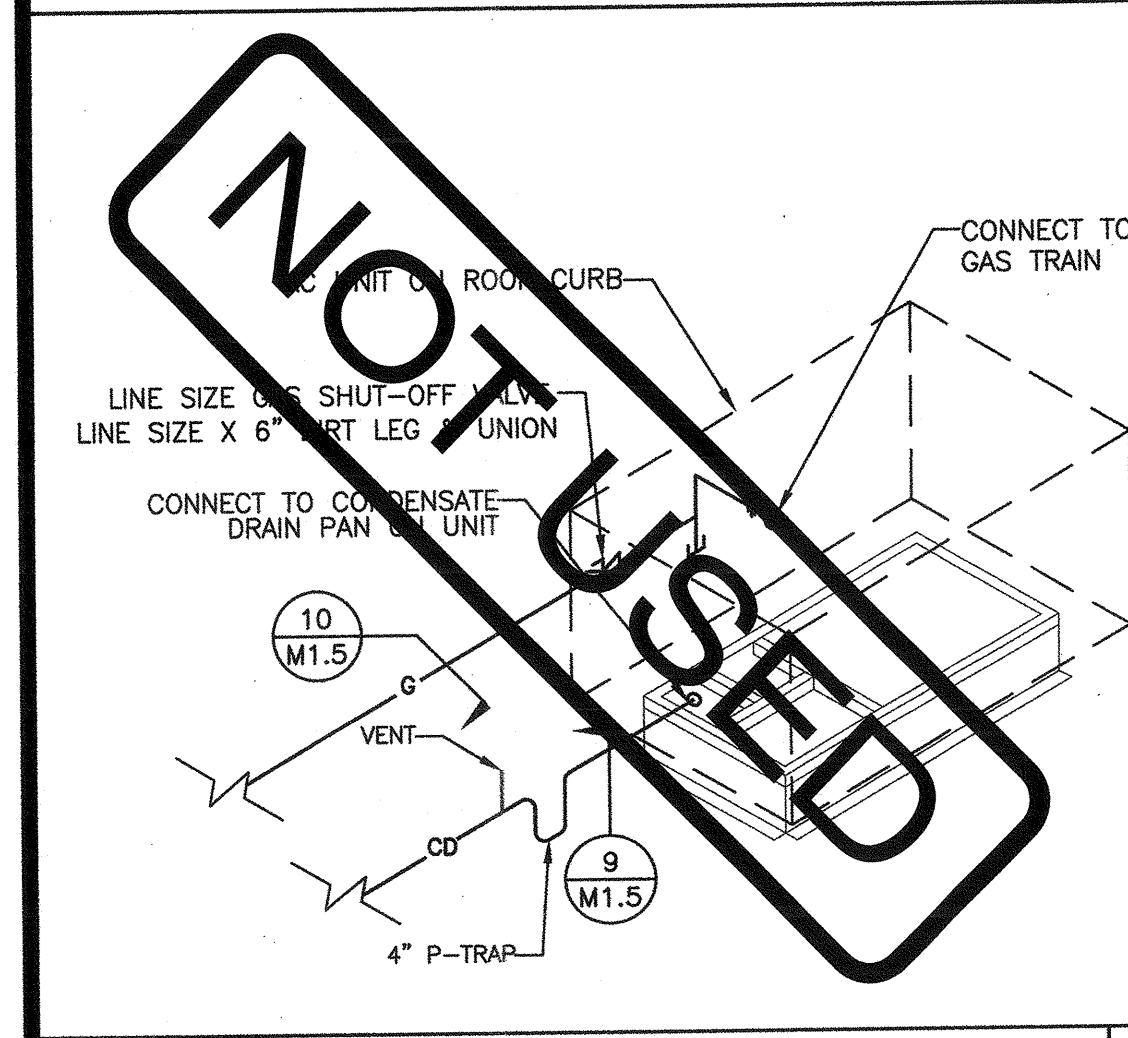
SOLATUBE CURB ATTACHMENT DETAIL
SCALE: 1-1/2" = 1'-0"



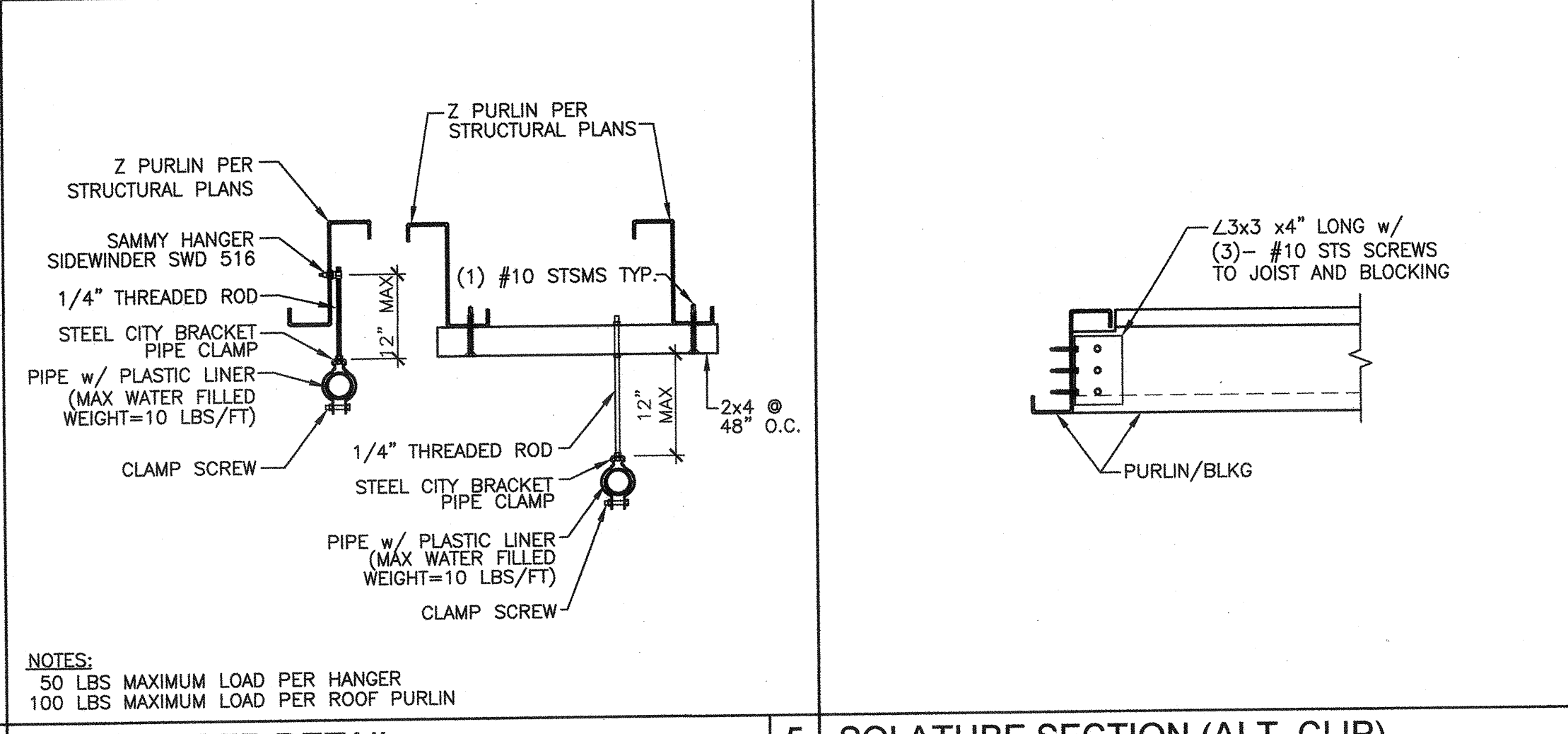
VENT THRU ROOF PENETRATION DETAIL
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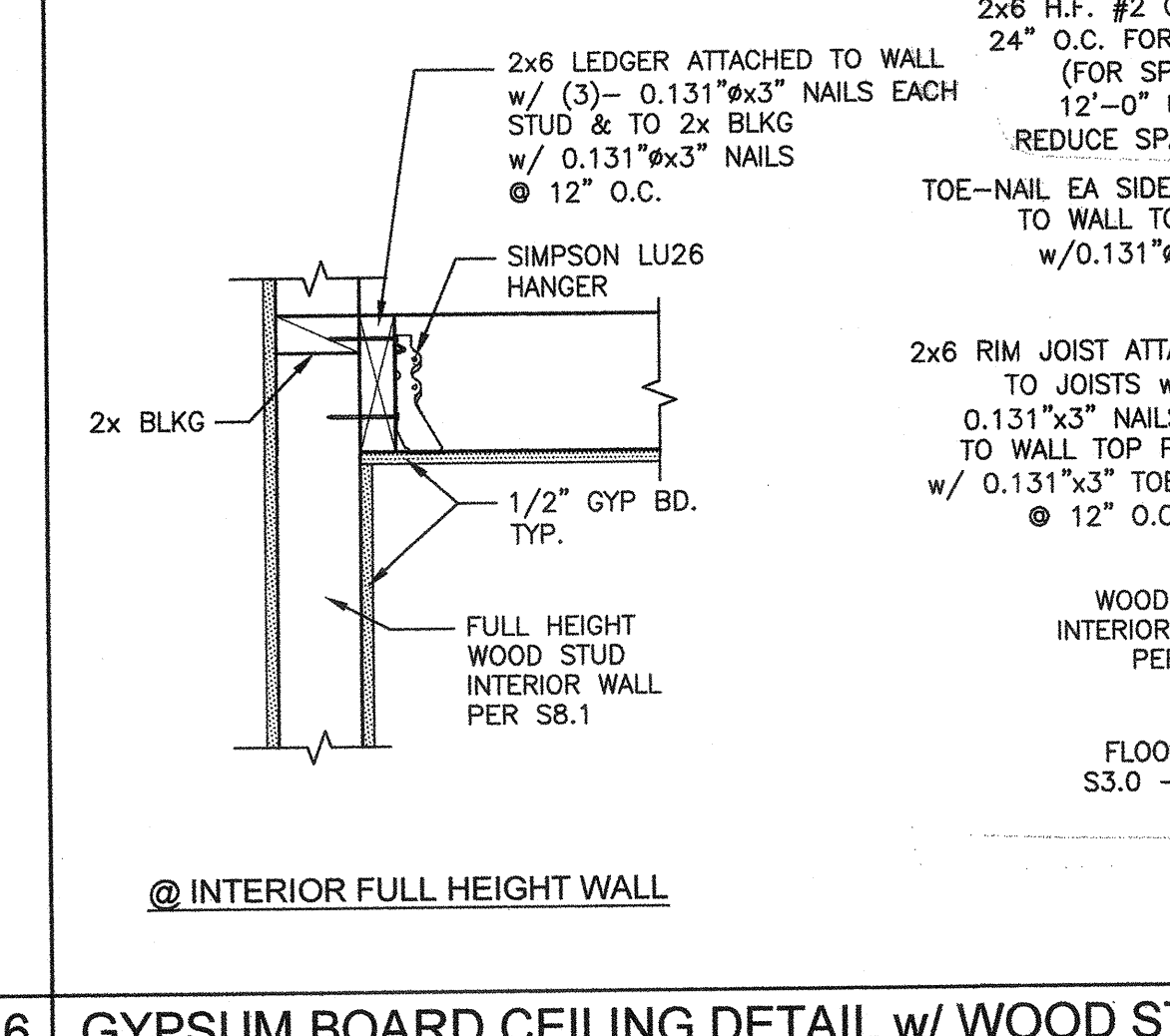
ROOF-TOP PIPE SUPPORT BLOCK
SCALE: 1-1/2" = 1'-0"



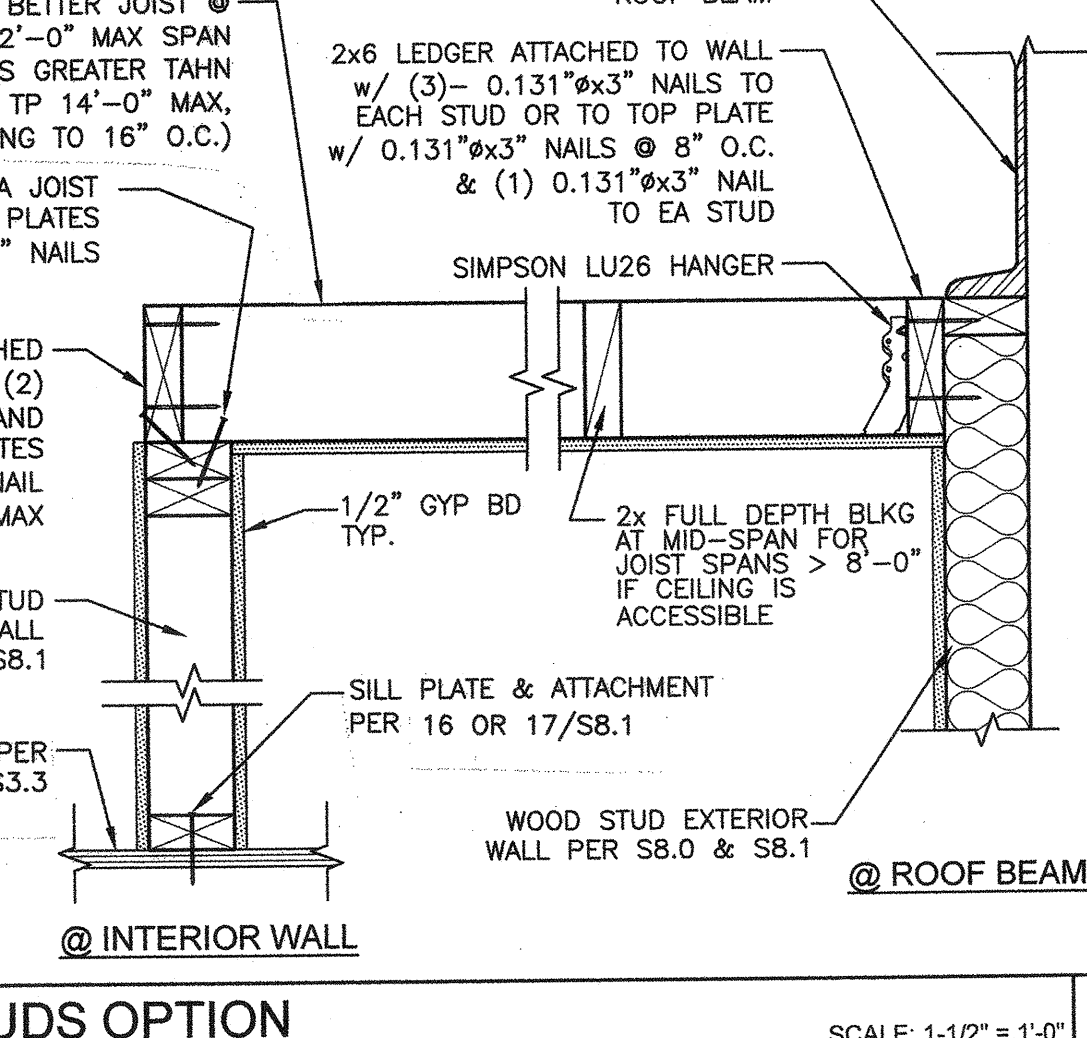
HVAC UNIT PIPING
SCALE: 1-1/2" = 1'-0"



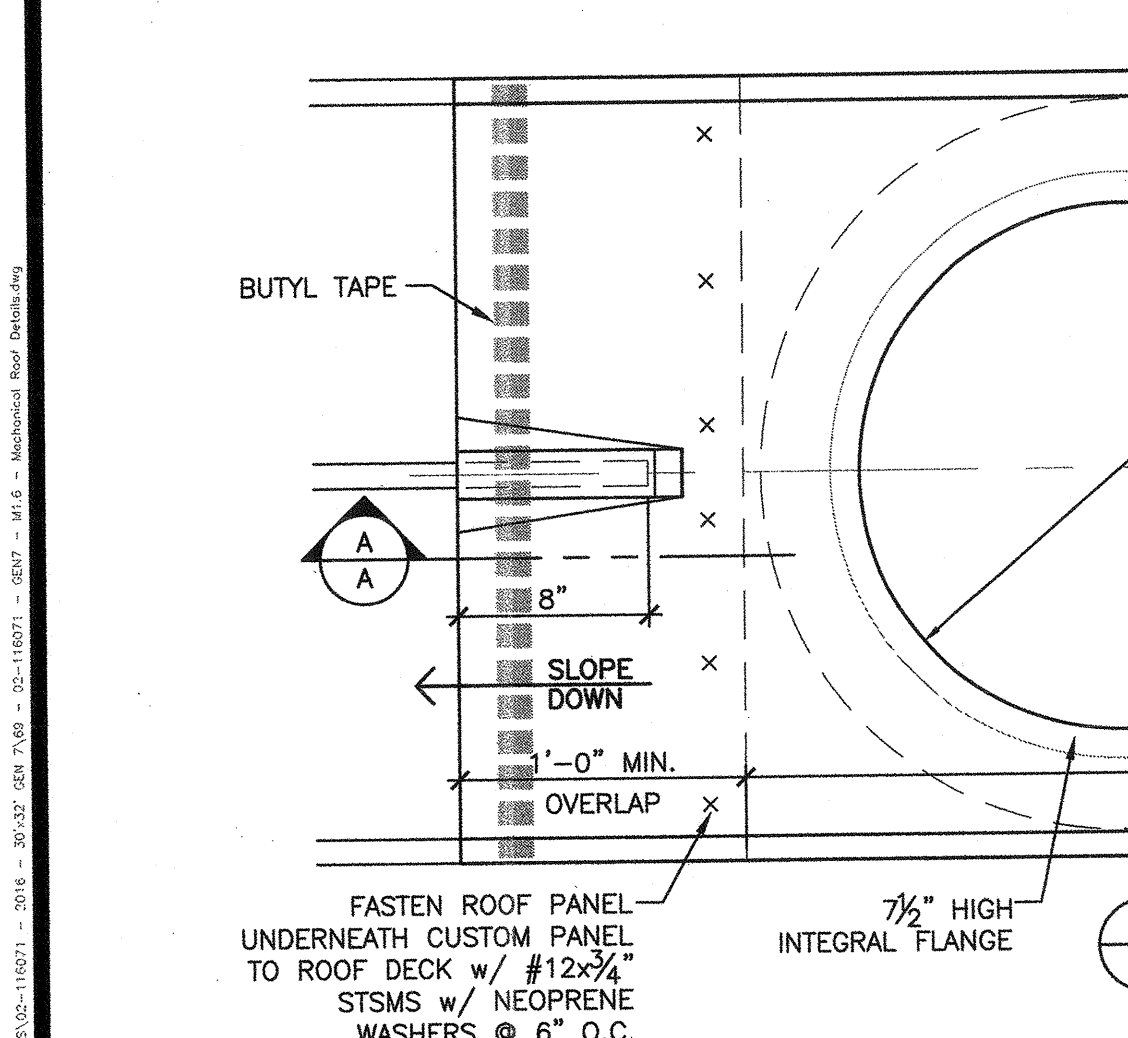
PIPE HANGER DETAIL
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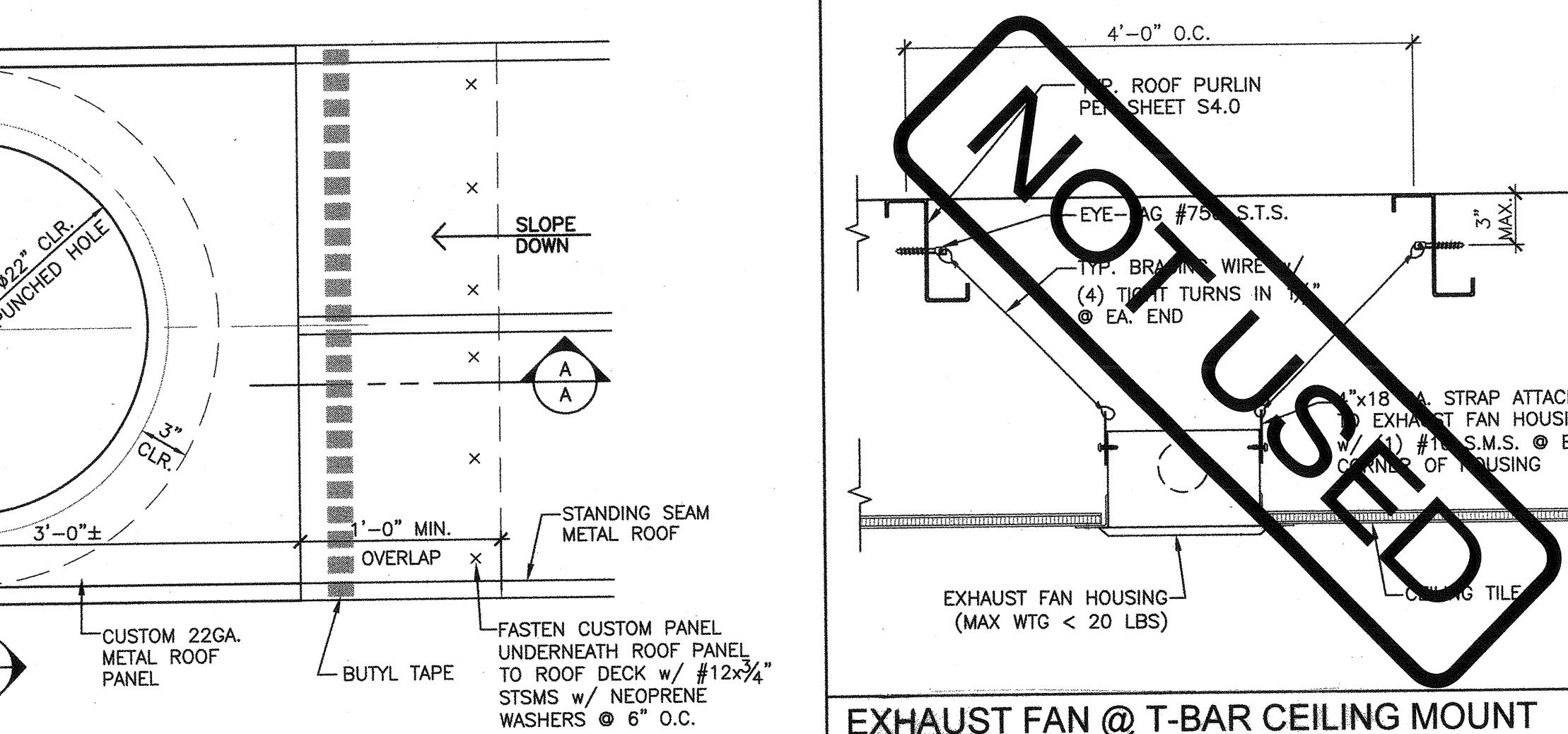
GYP. BOARD CEILING DETAIL W/ WOOD STUDS OPTION
SCALE: 1-1/2" = 1'-0"



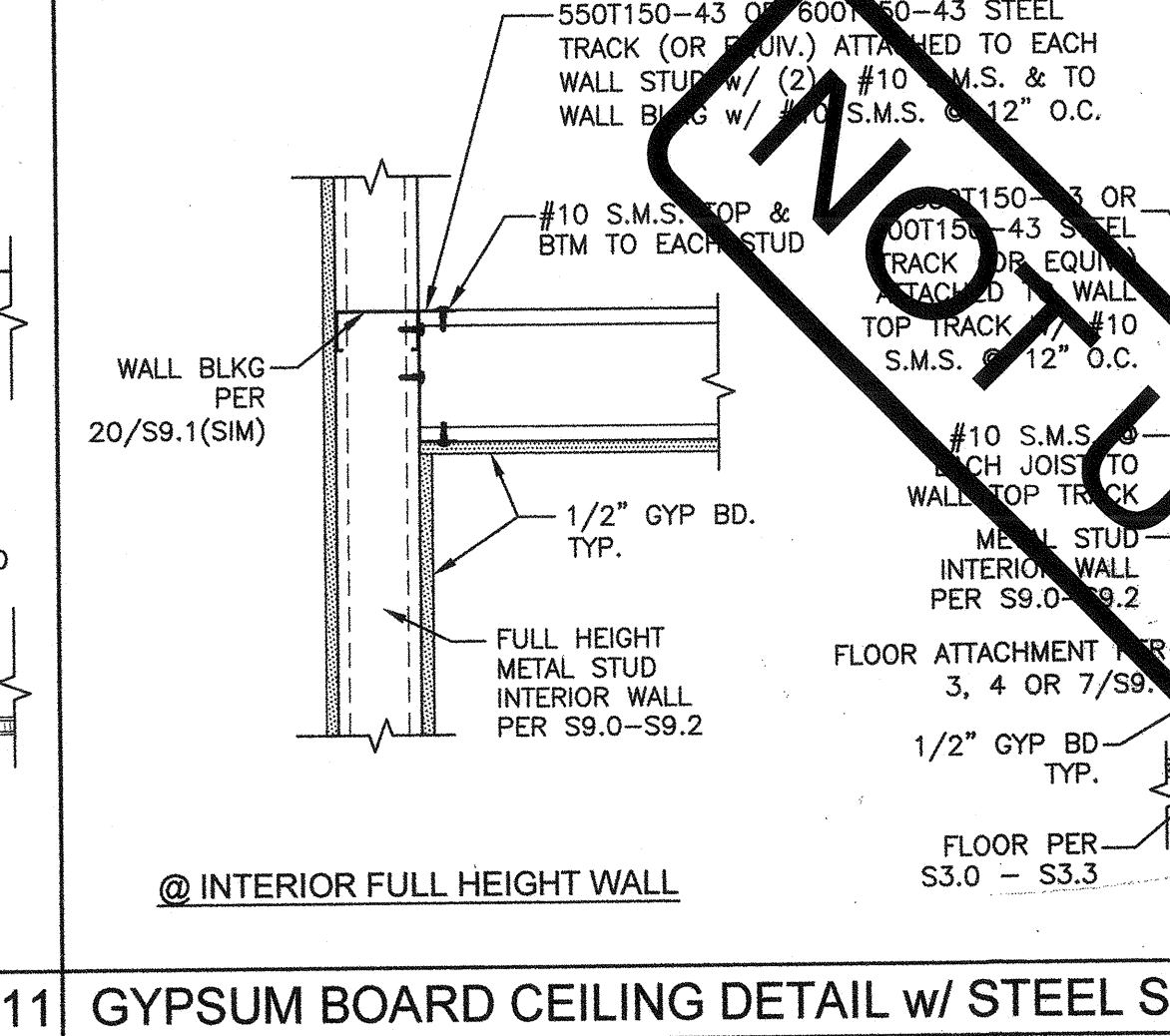
GYP. BOARD CEILING DETAIL W/ STEEL STUDS OPTION
SCALE: 1-1/2" = 1'-0"



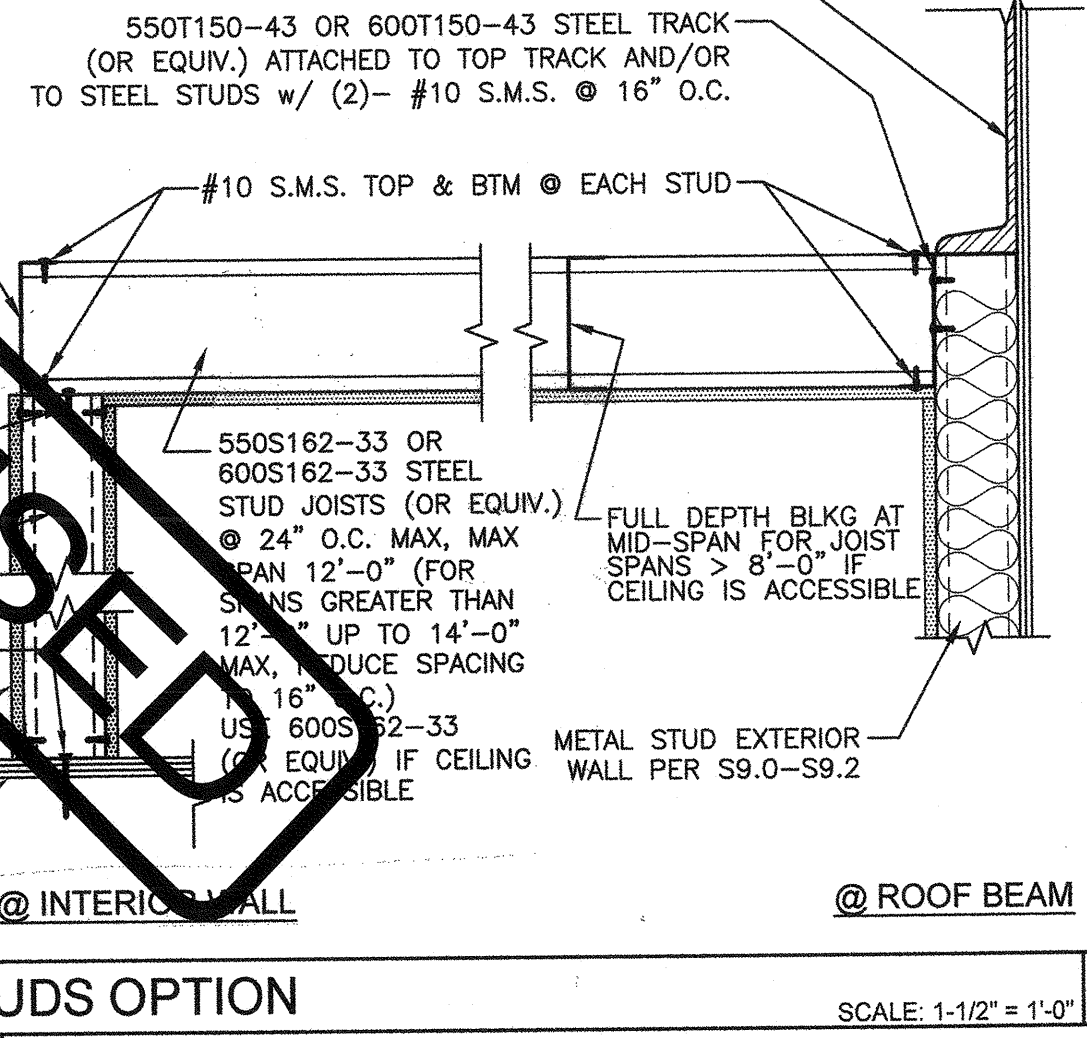
SOLATUBE SECTION (ALT. CLIP)
SCALE: 1-1/2" = 1'-0"



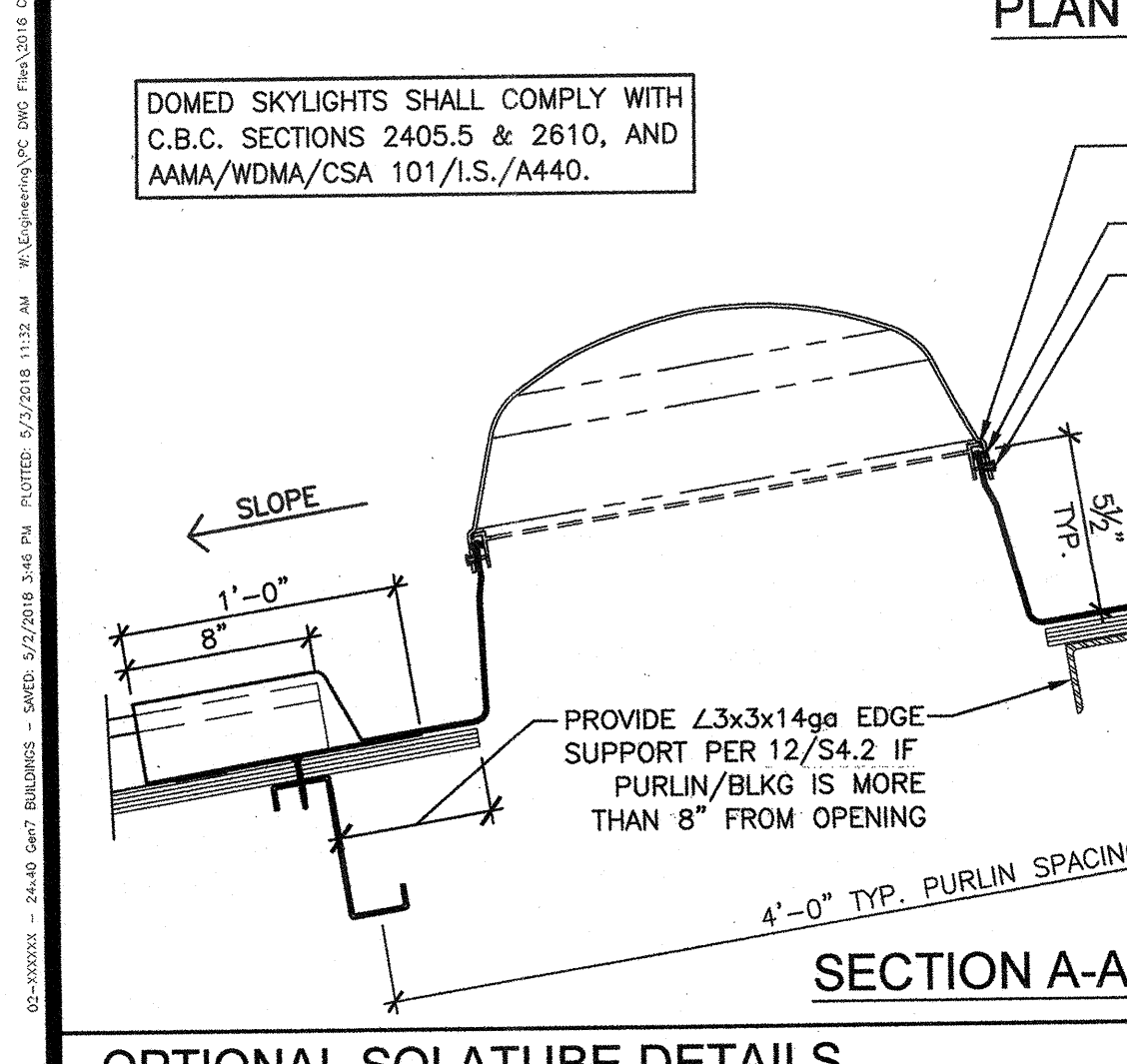
EXHAUST FAN @ T-BAR CEILING MOUNT
SCALE: 1-1/2" = 1'-0"



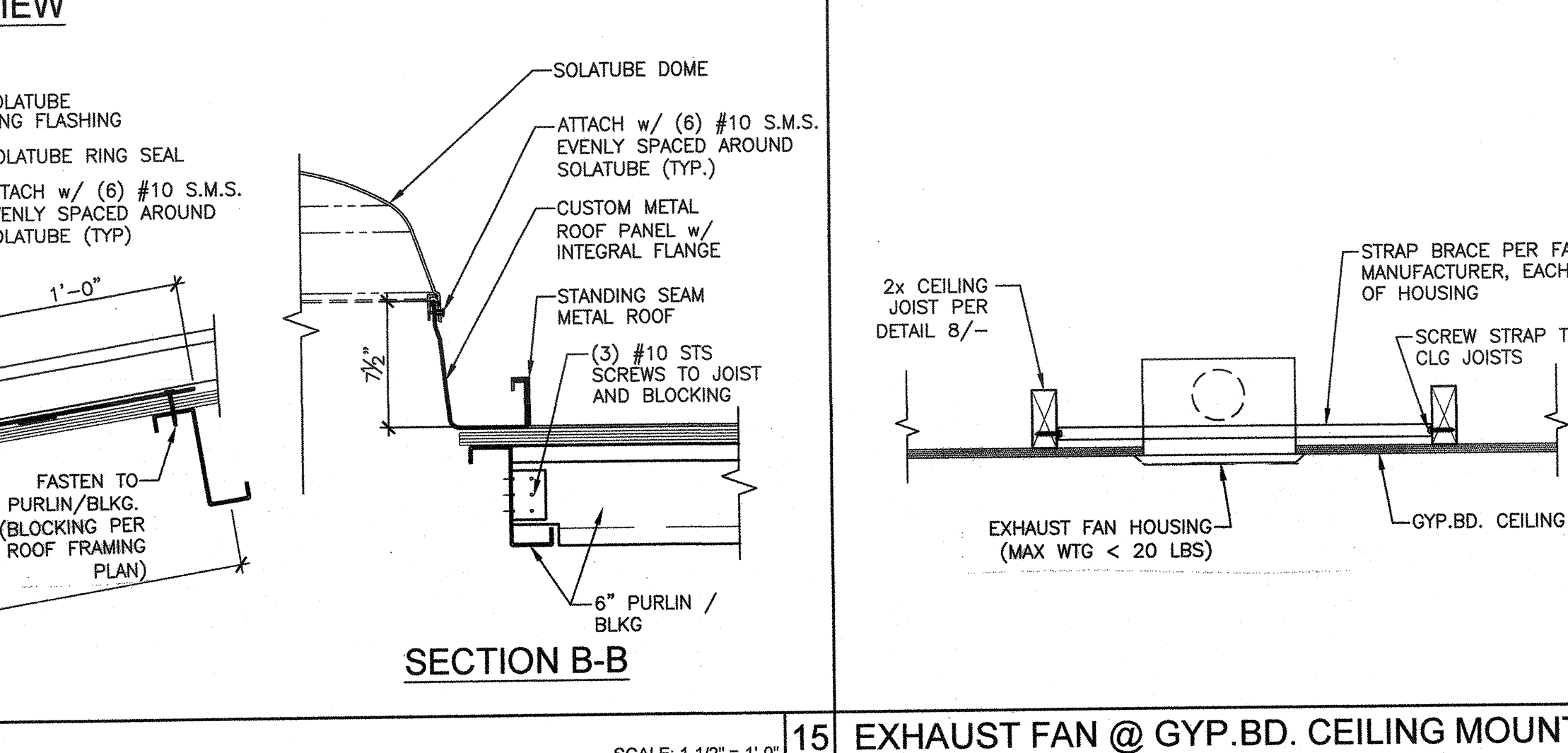
GYP. BOARD CEILING DETAIL W/ WOOD STUDS OPTION
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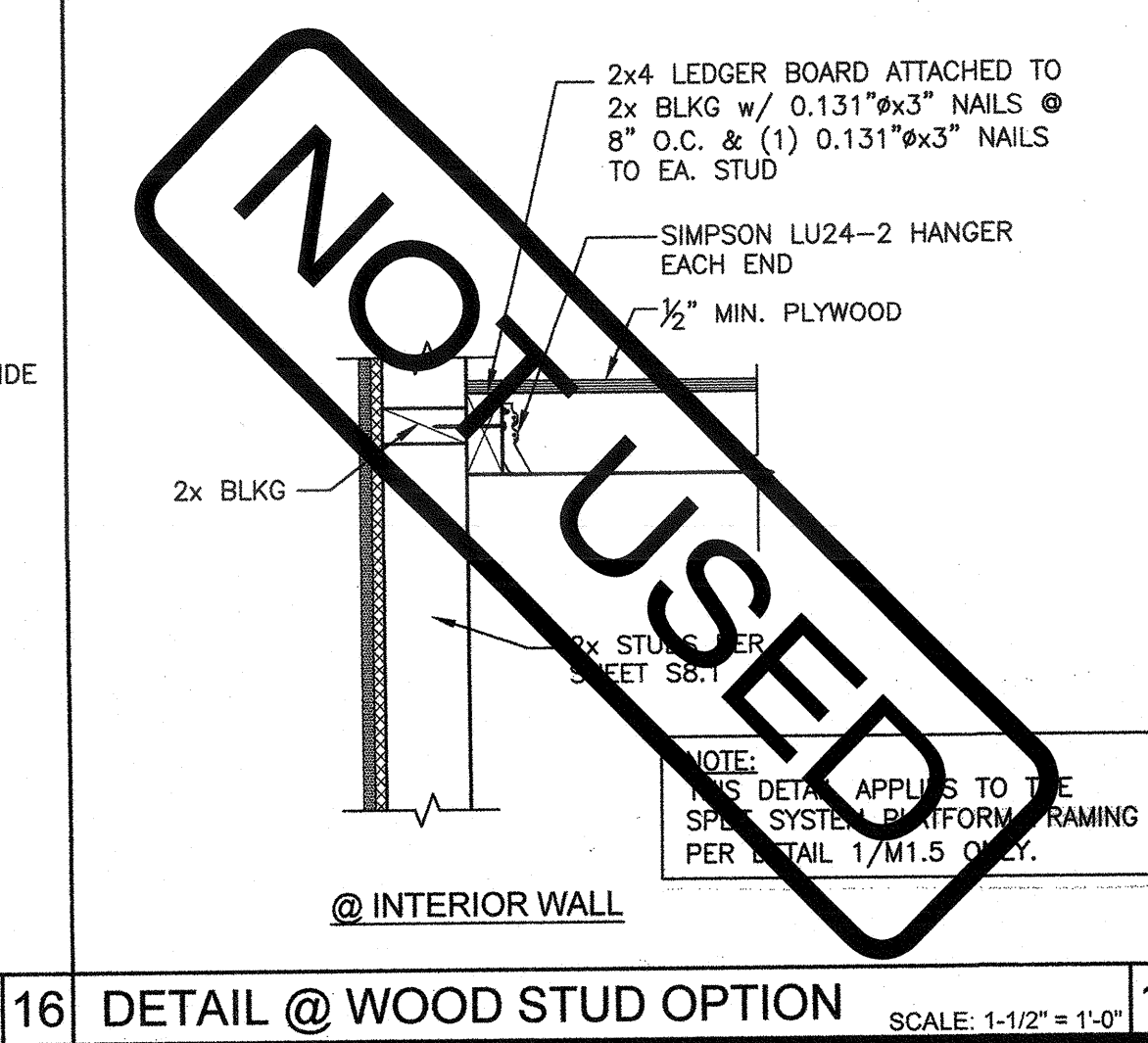
GYP. BOARD CEILING DETAIL W/ STEEL STUDS OPTION
SCALE: 1-1/2" = 1'-0"



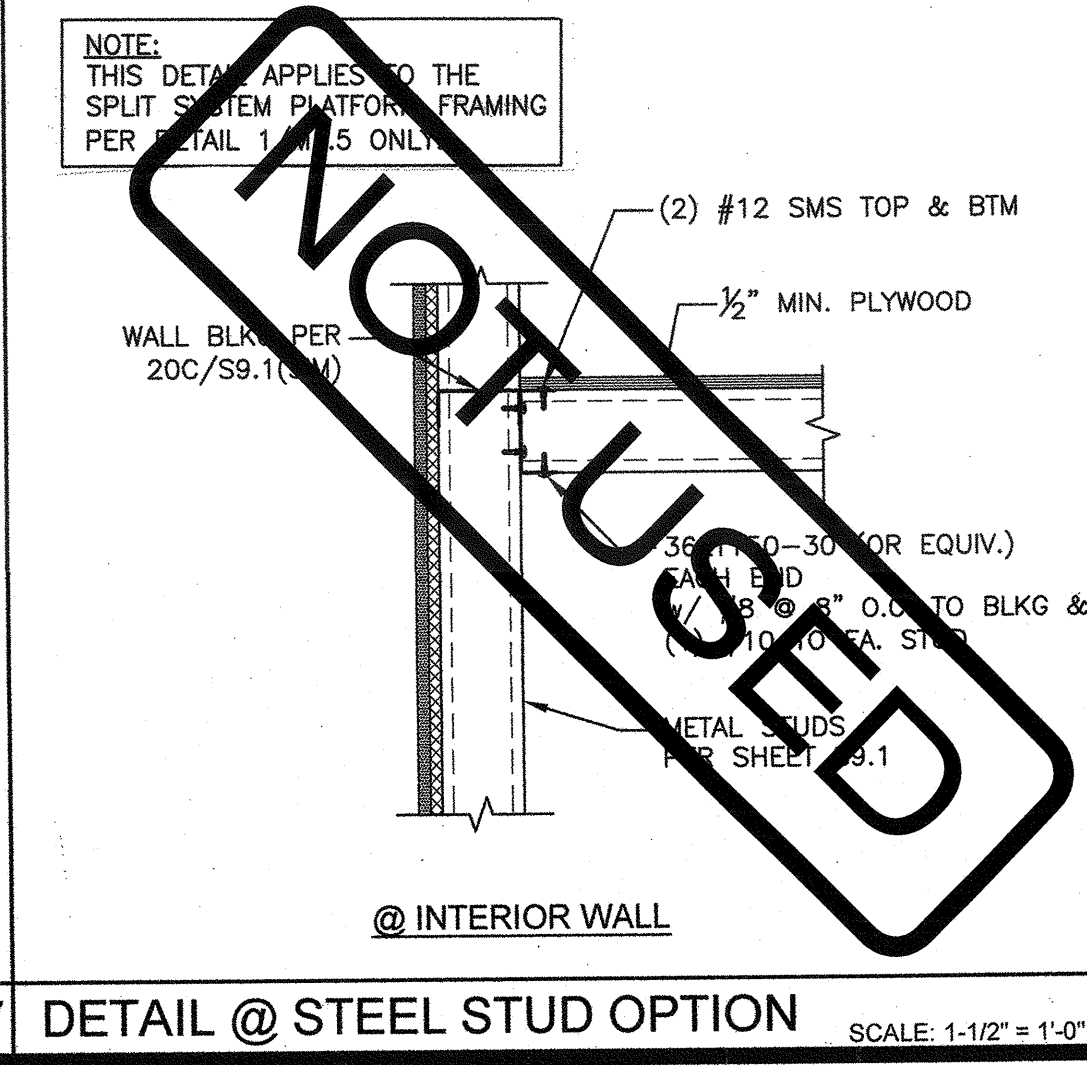
OPTIONAL SOLATUBE DETAILS
SCALE: 1-1/2" = 1'-0"



EXHAUST FAN @ GYP.BD. CEILING MOUNT
SCALE: 1-1/2" = 1'-0"



DETAIL @ WOOD STUD OPTION
SCALE: 1-1/2" = 1'-0"



DETAIL @ STEEL STUD OPTION
SCALE: 1-1/2" = 1'-0"

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PRE-CHECKED SET NAME
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SITE SPECIFIC PROJECT NAME

SHEET TITLE
MECHANICAL ROOF DETAILS

MANUFACTURER PROFESSIONAL OF RECORD ON PC

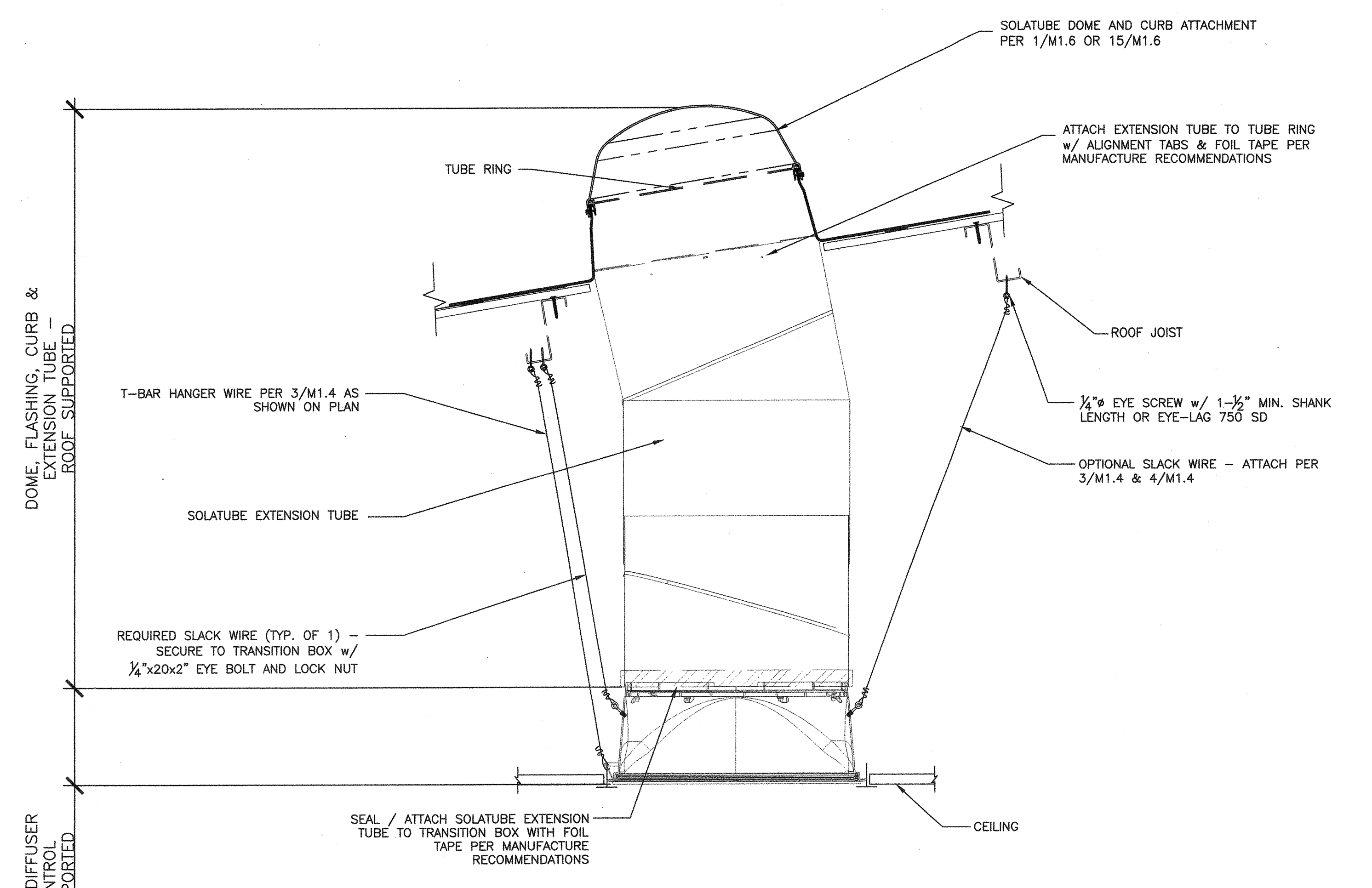
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APPROX **119722**
AC FLS SS 24
DATE **FEB 03 2018**

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PC 02-116071
AC FLS SS 24
DATE **7 10 18**
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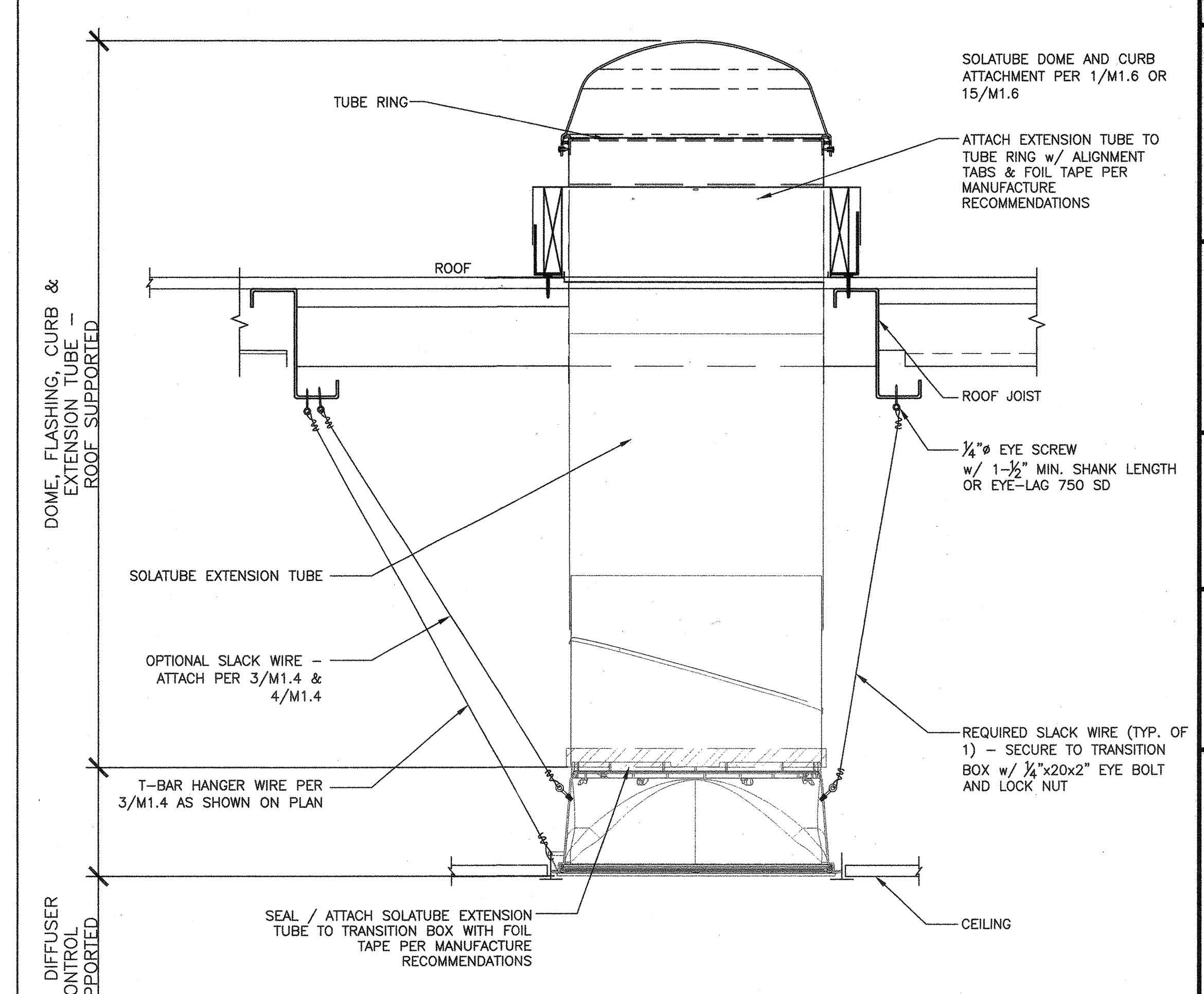
M1.6A



PER 'METAL SUSPENSION SYSTEMS FOR LAY IN PANEL CEILING' KEYNOTES ON SHEET M1.7 (NOTE 19):

- FLUSH OR RECESSED LIGHT FIXTURES AND AIR TERMINALS WEIGHING LESS THAN 56 POUNDS MAY BE SUPPORTED DIRECTLY ON THE RUNNERS OF A HEAVY DUTY GRID SYSTEM, BUT THEY MUST HAVE A MINIMUM OF TWO #12 GA. SLACK SAFETY WIRES ATTACHED AT DIAGONAL CORNERS AND ANCHORED TO THE STRUCTURE ABOVE. FIXTURES WEIGHING LESS THAN 10 POUNDS MAY HAVE AT LEAST ONE #12 GA. SLACK SAFETY WIRE.

CEILING SUPPORTED SOLATUBE COMPONENTS		ROOF SUPPORTED SOLATUBE COMPONENTS	
DESCRIPTION	WEIGHT	DESCRIPTION	WEIGHT
DIFFUSER:	1.65 LBS	TUBE:	8.10 LBS
DAMPER CONTROL	1.00 LBS	DOMES:	6.40 LBS
TRANSITION BOX	5.50 LBS	TOTAL:	14.50 LBS
TOTAL:	8.15 LBS		



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- FLUSH OR RECESSED LIGHT FIXTURES AND AIR TERMINALS WEIGHING LESS THAN 56 POUNDS MAY BE SUPPORTED DIRECTLY ON THE RUNNERS OF A HEAVY DUTY GRID SYSTEM, BUT THEY MUST HAVE A MINIMUM OF TWO #12 GA. SLACK SAFETY WIRES ATTACHED AT DIAGONAL CORNERS AND ANCHORED TO THE STRUCTURE ABOVE. FIXTURES WEIGHING LESS THAN 10 POUNDS MAY HAVE AT LEAST ONE #12 GA. SLACK SAFETY WIRE.

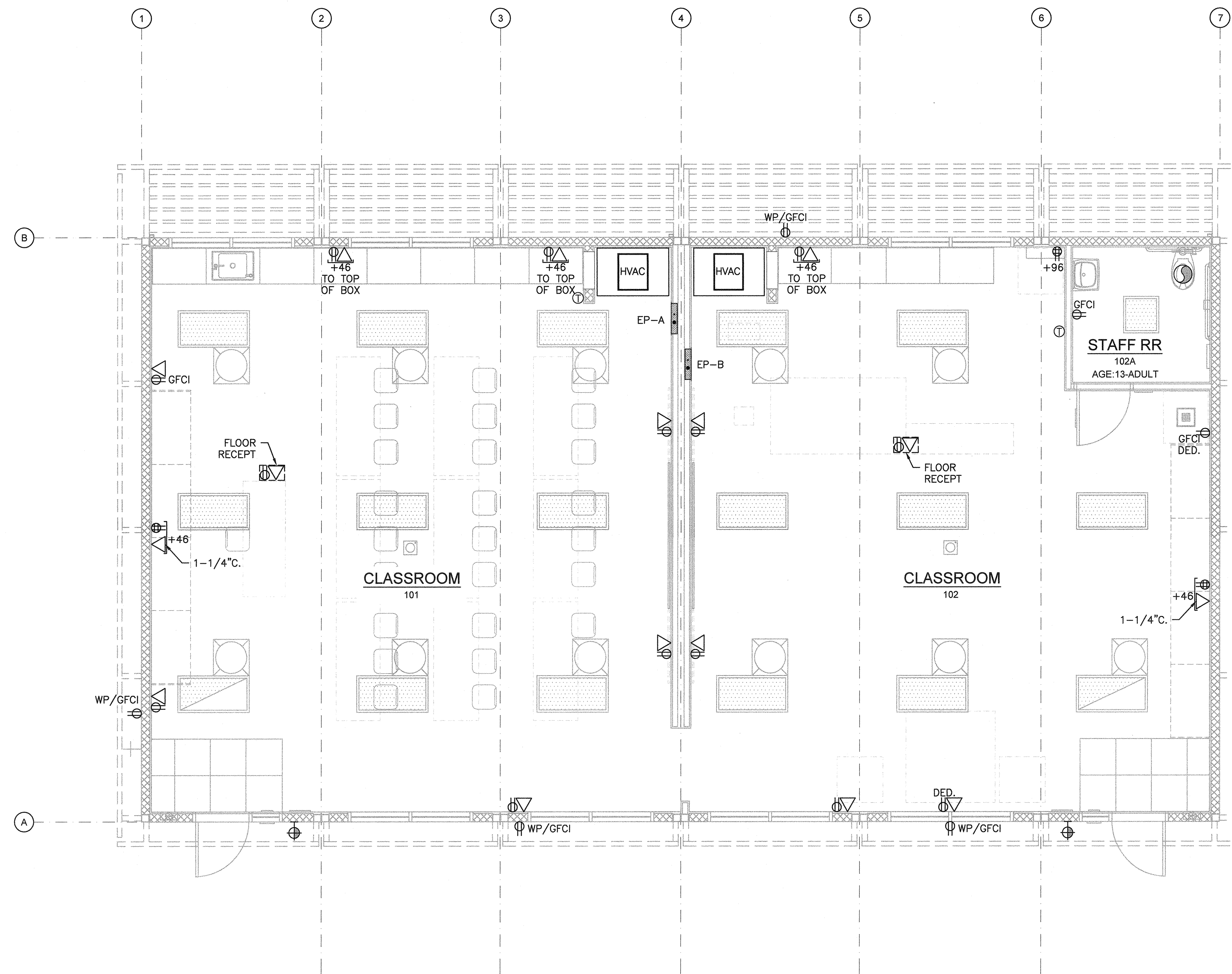
CEILING SUPPORTED SOLATUBE COMPONENTS		ROOF SUPPORTED SOLATUBE COMPONENTS	
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TRANSITION BOX	5.50 LBS	TOTAL:	14.50 LBS
TOTAL:	8.15 LBS		

SOLATUBE ATTACHMENT ELEVATION - SLOPED SCALE: 1-1/2"=1'-0" A

NOT USED	16	NOT USED	17	NOT USED	18	NOT USED	19	NOT USED	20
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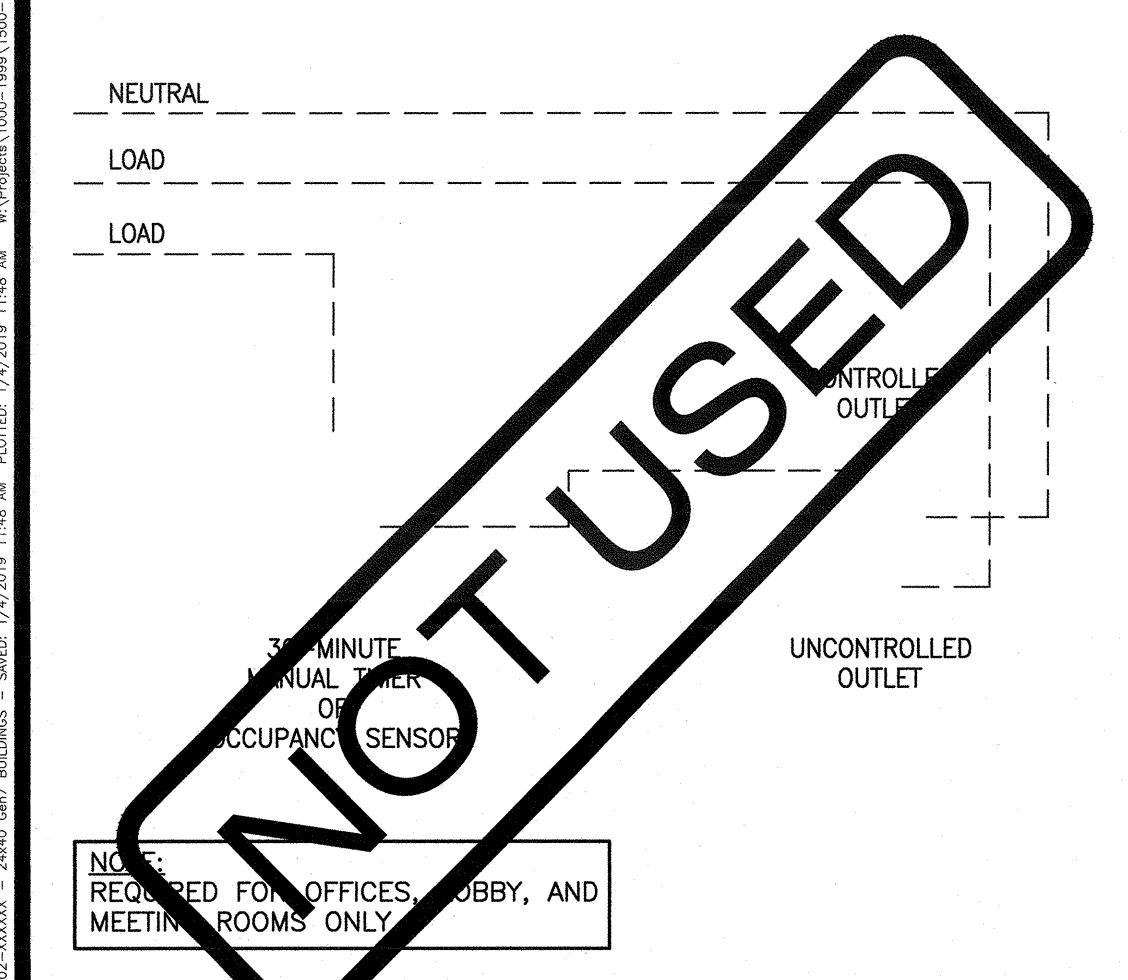
SOLATUBE ATTACHMENT ELEVATION SCALE: 1-1/2"=1'-0" B

NOT USED	16	NOT USED	17	NOT USED	18	NOT USED	19	NOT USED	20
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TYPICAL ELECTRICAL PLAN

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



TYP. CONTROLLED/UNCONTROLLED RECEPTACLE WIRING DIAGRAM N.T.S. 2

ENERGY CONTROLS

- AUTOMATIC DAYLIGHTING CONTROLS:** NOT REQUIRED IN ROOMS WHERE COMBINED INSTALLED LIGHTING POWER IN COMBINED SKYLIT & PRIMARY DAYLIT ZONES ARE <120 WATTS. INSTALLED WATTAGE IN PRIMARY SIDELIT DAY LIT ZONE IS 80 WATTS (2x 35w, AS SHOWN IN THE SHADED AREAS). THEREFORE, AUTOMATIC DAYLIGHTING CONTROLS ARE ONLY REQUIRED WHEN "SOLATUBES" ARE INSTALLED. SEE A1.1
- ENERGY MANAGEMENT CONTROL SYSTEM (EMCS) CONNECTION:** PER TITLE 24 CODE, "AN EMCS MAY BE INSTALLED TO COMPLY WITH THE REQUIREMENTS OF ONE OR MORE LIGHTING CONTROLS IF IT MEETS THE MINIMUM REQUIREMENTS". PC MAY CONTAIN OCCUPANCY SENSORS AND PHOTOCELL CONTROL LIGHTING. IN THAT CASE, AN EMCS IS NOT REQUIRED FOR THIS PC.
- SOLAR-READY ZONE REQUIREMENTS:** REQUIREMENTS & TABLE CAN BE FOUND ON SHEET A2.0

NOTE: ANT MONITORING EQUIPMENT OR ASSOCIATED SENSORS ARE SITE SPECIFIC AND ARE NOT INCLUDED IN THE BASE PC.

ENERGY NOTES 3

1. THE PROJECT ARCHITECT SHALL BE RESPONSIBLE FOR THE PLACEMENT OF HEAT & SMOKE DETECTORS, EVACS AND PULL STATIONS, AND COMPLETE FIRE ALARM SYSTEM WHEN THE SITE SPECIFIC PROJECT IS REQUIRED TO MEET THE PROVISIONS OF SB 575 & CBC 907.2.3.

2. ANY MONITORING EQUIPMENT OR ASSOCIATED SENSORS ARE SITE SPECIFIC AND ARE NOT INCLUDED IN THIS BASE PC.

3. PULL STATIONS ARE REQUIRED AT EVERY EXIT. AT ANY SPACE REQUIRING 2 OR MORE EXITS, PROVIDE EXIT SIGNS (CBC 1013) AND EMERGENCY EXIT ILLUMINATION (CBC 1008).

4. SEE PLANS FOR LOCATIONS OF ALL DEVICES.

5. STUB-OUT LOCATIONS FOR ELECTRICAL PANEL, FIRE ALARM, AND DATA BOXES ARE SHOWN DIAGRAMMATICALLY ONLY. EXACT LOCATIONS MAY VARY +/- SEVERAL FEET. PLEASE CONTACT AMERICAN MODULAR SYSTEMS FOR EXACT LOCATIONS. POINT OF CONNECTION WILL BE AT FACE OF BUILDING.

6. STUB-UP ALL FIRE ALARM JUNCTION BOXES TO ACCESSIBLE ATTIC SPACE WITH 1/2" MIN. GALV. THIN WALL TUBING (EMT). DO NOT CONNECT FIRE ALARM CONDUIT WITH ANY OTHER ELECTRICAL CONDUIT.

7. THE LIGHTS FOR EACH ROOM OVER 250 SQ FT SHALL BE CONTROLLED BY ULTRASONIC OCCUPANCY SENSOR: WATT STOPPER W-500A, W-1000A, OR W-2000A (OR EQUAL) BASED ON THE ROOM SIZE, IN CONJUNCTION WITH BI-LEVEL SWITCHING.

8. FIXTURE MOUNTING SHALL COMPLY WITH CALIFORNIA SEISMIC REGULATIONS.

9. LIGHTING FIXTURES MAY BE INSTALLED ROTATED 90° FROM SHOWN TO MATCH T-BAR GRID LAYOUT.

DEMAND RESPONSE CONTROLS

- DEMAND RESPONSE CONTROLS ARE REQUIRED IN BUILDINGS LARGER THAN 10,000 S.F.
- DEMAND RESPONSE CONTROLS, WHERE REQUIRED, ARE TO BE PROVIDED BY OTHERS.
- DEMAND RESPONSE CONTROLS AND EQUIPMENT SHALL BE CAPABLE OF RECEIVING AND AUTOMATICALLY RESPONDING TO AT LEAST ONE STANDARD-BASED MESSAGING PROTOCOL WHICH ENABLES DEMAND RESPONSE AFTER RECEIVING A DEMAND SIGNAL.
- SITE-SPECIFIC PROJECTS WHICH REQUIRE DEMAND RESPONSE CONTROLS MUST INCLUDE THE SUBMITTAL OF FORM NRCC-ELC-01-E TO DSA (BY OTHERS).

GENERAL NOTES 3

- ⊠ ELECTRICAL PANEL - MOUNT FLUSH WITH WALL FINISH, U.O.N.
- ⊡ INCANDESCENT WALL MOUNTED INTERIOR LIGHT FIXTURE
- ⊕ EXTERIOR LIGHT FIXTURE @ EACH DOOR, LED OR EQUAL (MAX 35W) - WHERE THERE ARE TWO OR MORE EXITS, A MINIMUM 90 MIN. BATTERY BACK-UP IS REQUIRED
- ⊙ EXTERIOR SOFFIT MOUNTED LIGHT FIXTURE ENERTRON MODEL 110BSH2X7LED-50 LOW PROFILE CANOPY, LED OR EQUAL (MAX 16W) (AT STAR LANDINGS, PROVIDE (1) WITH EMERGENCY 90 MINUTE MINIMUM BATTERY BACK-UP.)
- ⊖ UNCONTROLLED-DUPLEX WALL CONVENIENCE OUTLET - MOUNT @ +18" A.F.F. TO CENTERLINE, U.O.N.
- ⊕ CONTROLLED-DUPLEX WALL CONVENIENCE OUTLET - MOUNT @ +18" A.F.F. TO CENTERLINE, U.O.N. - TO BE CONTROLLED BY OCCUPANCY SENSOR.
- ⊖ COMBO-DUPLEX WALL CONVENIENCE OUTLET - MOUNT @ +18" A.F.F. TO CENTERLINE, U.O.N.
- ⊕ FOURPLEX WALL OUTLET - MOUNT @ +18" A.F.F. TO CENTER LINE - U.O.N.
- WP/GFCI WEATHER-PROOF GROUND FAULT CIRCUIT INTERRUPT OUTLET - MOUNT @ 18" A.F.F. TO CENTERLINE - U.O.N.
- GFCI GROUND FAULT CIRCUIT INTERRUPT OUTLET - MOUNT @ 18" A.F.F. TO CENTERLINE - U.O.N.
- \$ CONTROLLED-SINGLE POLE LIGHT SWITCHES - MOUNT @ +48" A.F.F. MAX TO TOP OF BOX - HUBBELL PREMIUM, BRYANT HEAVY DUTY, OR LEVITON SPECIFICATIONS GRADE.
- \$ SINGLE POLE SOLA-TUBE SWITCH - MOUNT @ +48" A.F.F. MAX TO TOP OF BOX.
- ⊖ SWITCH SUBSCRIPTS - @ = DEVICE CONTROLLED.
- ⊖ THERMOSTAT - TOP OF BOX MOUNTED @ +46" A.F.F.
- ⊖ JUNCTION BOX - SIZE / LOCATION A.F.F. / TYPE AS NOTED
- ⊠ ELECTRICAL CROSSOVER - J-BOX - ABOVE CEILING - #1- 4"x1", #22- 4"x2"
- ⊖ CLOCK/SPEAKER COMBO - MOUNT @ +90" A.F.F. TO CENTERLINE - U.O.N. - DEVICE BY OTHERS
- ⊖ SPEAKER - OUTLET ONLY - 4" SQ. BOX WITH SINGLE DEVICE RING AND COVER - MOUNT @ +84" A.F.F. TO CENTERLINE - DEVICE BY OTHERS
- ▽ DATA/COMMUNICATION - OUTLET ONLY - 4" SQ. BOX WITH SINGLE DEVICE RING AND COVER - MOUNT @ +18" A.F.F. TO CENTERLINE, U.O.N., AND PROVIDE A 3/4" CONDUIT STUBBED ABOVE CEILING - DEVICE BY OTHERS
- CATV CATV OUTLET - OUTLET ONLY - PROVIDE (1) 4" SQ. BOX WITH SINGLE DEVICE RING AND COVER - (1) 3/4" DIA CONDUIT - STUBBED ABOVE CEILING - DEVICES BY OTHERS
- ▽ INTERCOM/TELEPHONE - OUTLET ONLY - 4" SQ. BOX WITH SINGLE DEVICE RING AND COVER - MOUNT TOP OF BOX @ +48" A.F.F. U.O.N. AND PROVIDE A 3/4" CONDUIT STUBBED ABOVE CEILING - DEVICE BY OTHERS
- ⊖ SECURITY/INTRUSION KEY PAD - OUTLET ONLY - 4" SQ. BOX w/ SINGLE DEVICE RING AND COVER, MOUNT TOP OF BOX @ +48" A.F.F., AND ONE 3/4" CONDUIT STUBBED ABOVE CEILING - DEVICE BY OTHERS
- ⊖ DOOR CONTACT - PROVIDE (1) EMPTY 1/2" DIA EMT THROUGH DOOR HEADER - STUBBED ABOVE CEILING - DEVICE BY OTHERS
- ⊖ MOTION SENSOR OUTLET - PROVIDE (1) 4" SQ. BOX WITH SINGLE DEVICE RING AND COVER AND ONE 3/4" CONDUIT STUBBED ABOVE CEILING
- ⊖ ULTRASONIC OCCUPANCY SENSOR - MOUNTED TO FINISH CEILING
- ⊖ FIRE ALARM PULL STATION - OUTLET ONLY - PROVIDE (1) 4" SQ. BOX WITH SINGLE DEVICE RING AND COVER - TOP OF OPERATING HANDLE MOUNTED BETWEEN +42" TO +48" A.F.F. - DEVICE BY OTHERS
- ⊖ FIRE ALARM HORN - OUTLET ONLY - 4" SQ. SINGLE GANG J-BOX WITH BLANK WEATHERPROOF COVER - MOUNTED +90" A.F.F. TO CENTERLINE - DEVICE BY OTHERS
- ⊖ MINI HORN BOX - OUTLET ONLY - SINGLE DEVICE RING AND COVER - MOUNTED +80" A.F.F. TO CENTERLINE BUT NO GREATER THAN +96" - DEVICE BY OTHERS
- ⊖ VISUAL FIRE ALARM ALARM - OUTLET ONLY - 4" SQ. BOX WITH SINGLE DEVICE RING AND COVER - MOUNT SO THAT LENS IS BETWEEN 80"-96" A.F.F. (CEILING MOUNT PER NFPA72 TABLE 6-4.4.1(b)) DEVICE BY OTHERS.
- 2'x4" LED DROP IN FIXTURE, MODEL: LITHONIA, VTLED 2VTL2, 4000K SP41 - 40 WATTS MAX (60 WATTS ALLOWABLE AT CZN 16) OR EQUAL
- 2'x2" LED DROP IN FIXTURE, MODEL: LITHONIA, VTLED 2VTL2, 4000K SP41 - 40 WATTS MAX (60 WATTS ALLOWABLE AT CZN 16) OR EQUAL
- 24 HOUR EMERGENCY LIGHTING WITH MINIMUM 90-MINUTE BATTERY BACK-UP - WHERE TWO OR MORE EXITS ARE REQUIRED
- EMERGENCY EXIT LIGHT, - WHERE THERE ARE TWO OR MORE EXITS, AN EXIT SIGN WITH INTEGRAL EMERGENCY LIGHTING W/MINIMUM 90-MINUTE BATTERY BACK-UP IS REQUIRED.
- SOLATUBE REFER TO MECHANICAL SHEETS
- RECESSED FLOOR BOX - AMS TO PROVIDE (1) DUPLEX RECEPTACLE AND (1) 3/4" CONDUIT STUBBED TO ATTIC

ELECTRICAL SYMBOLS

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PRE-CHECKED SET NAME
30'x32' THRU 150'x32' BUILDINGS

SITE SPECIFIC PROJECT NAME
**GLENDALE USD
CRESCENTA VALLEY HS
(1) 60'x32' BUILDING**

SHEET TITLE
**TYPICAL ELECTRICAL
PLAN & NOTES**

MANUFACTURER PROFESSIONAL OF RECORD ON PC

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PROJECT SPECIFIC STATE AGENCY APPROVAL

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APPROX 119722
AC FLS SS 87
DATE FEB 15 2018

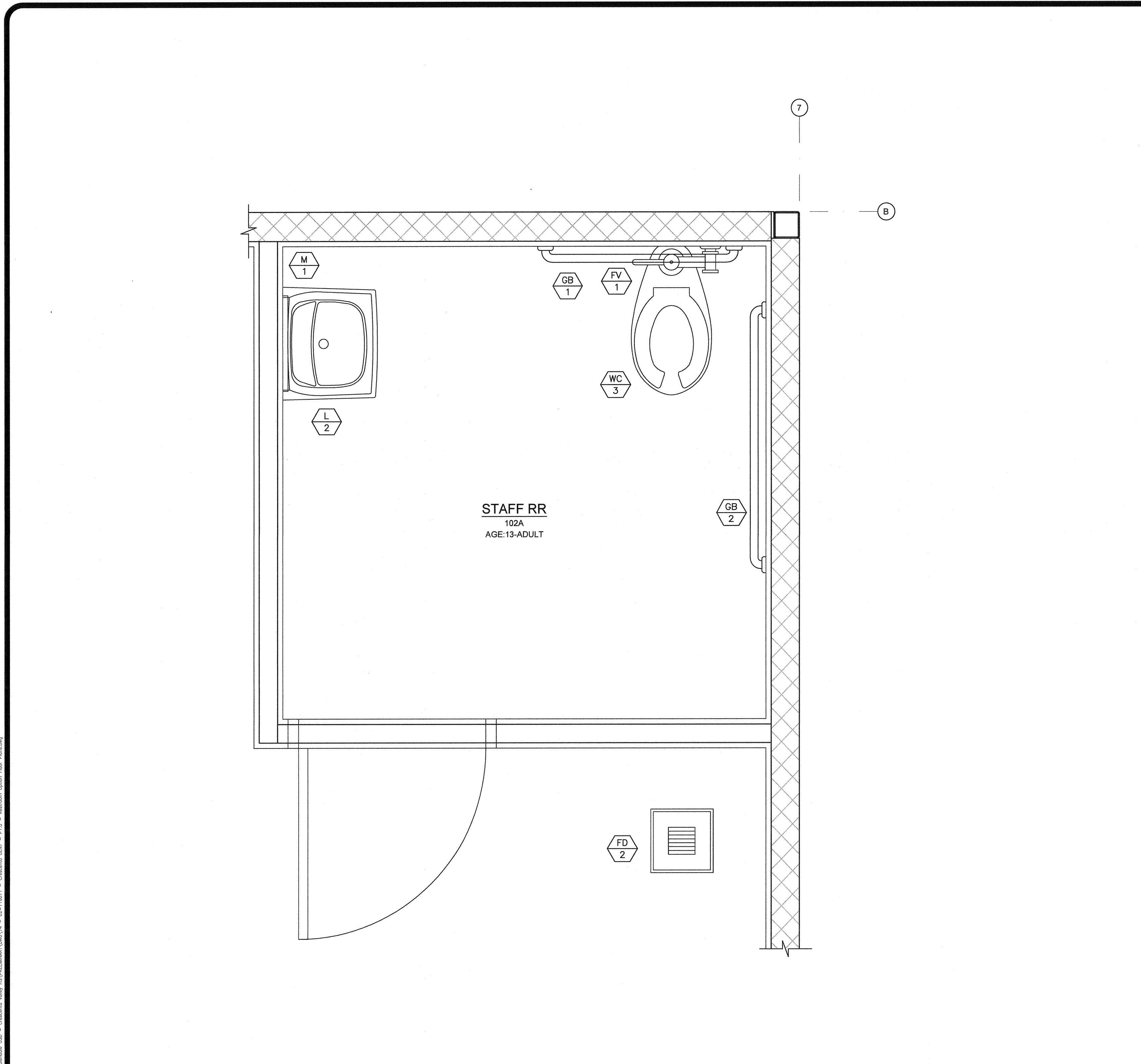
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BASED ON PC# 02-116071
PRE-CHECK (PC) DOCUMENT
CODE: 2016 CBC
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SCALE: AS NOTED
DATE: 01/04/19
SHEET NUMBER

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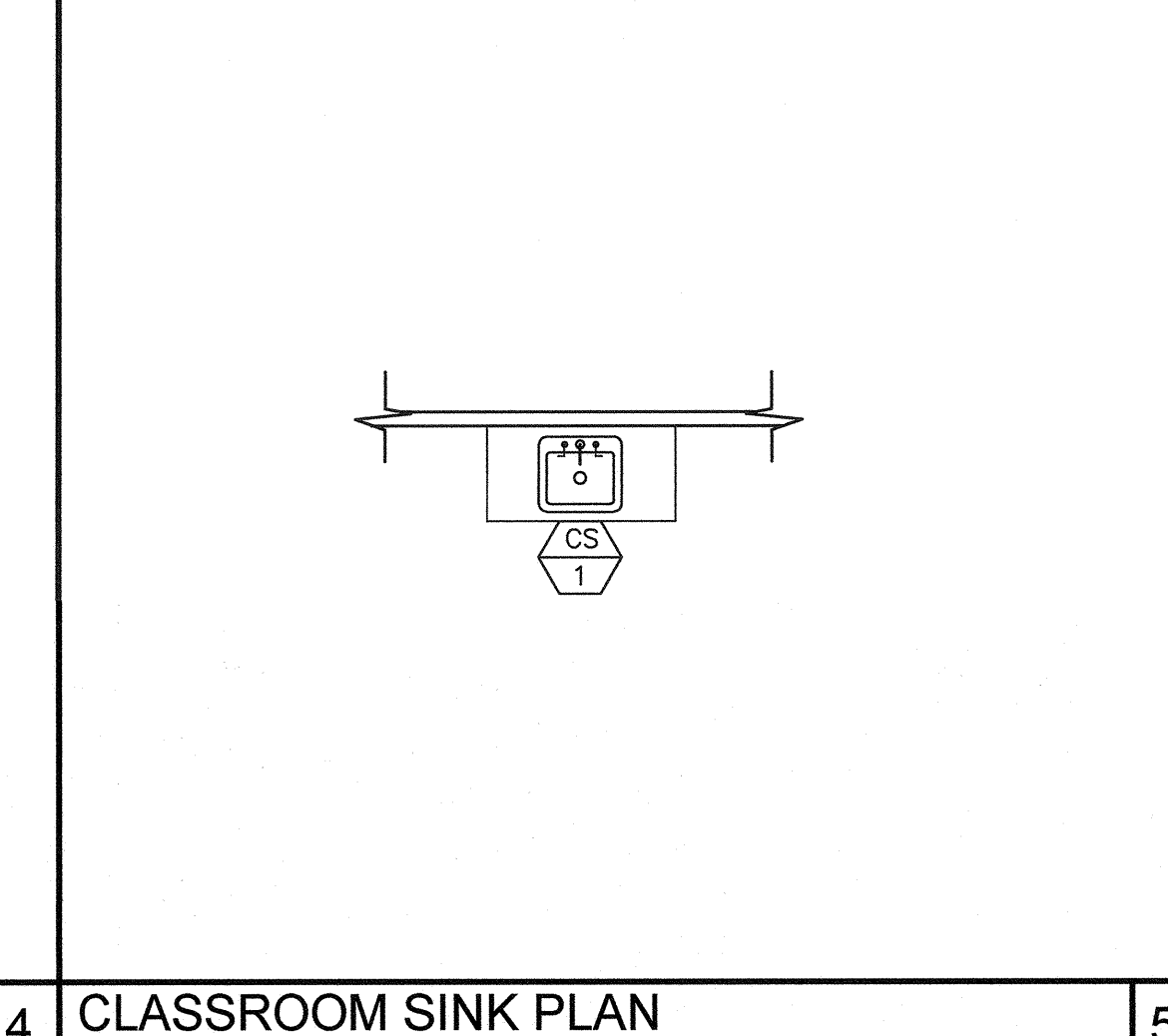
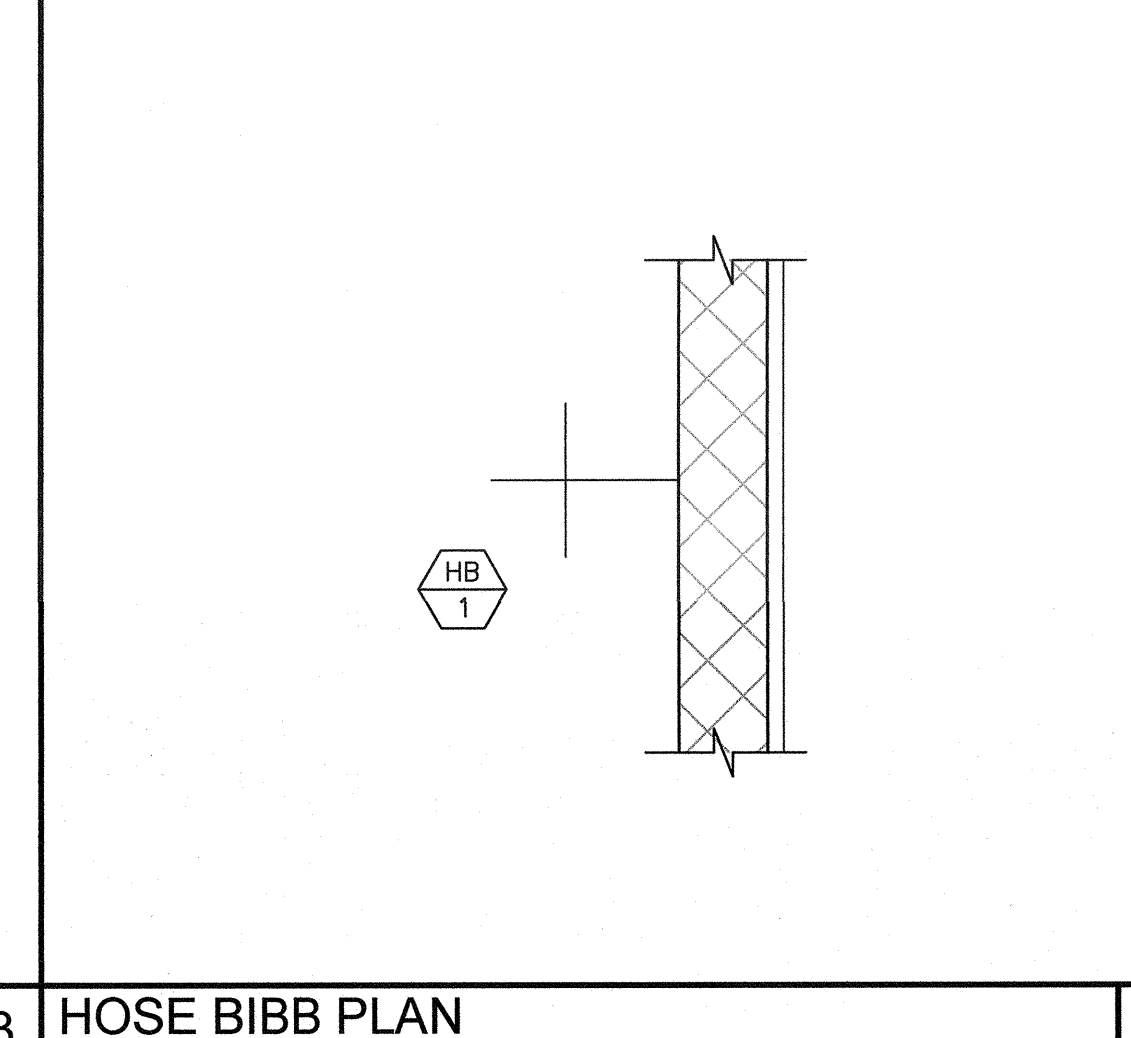
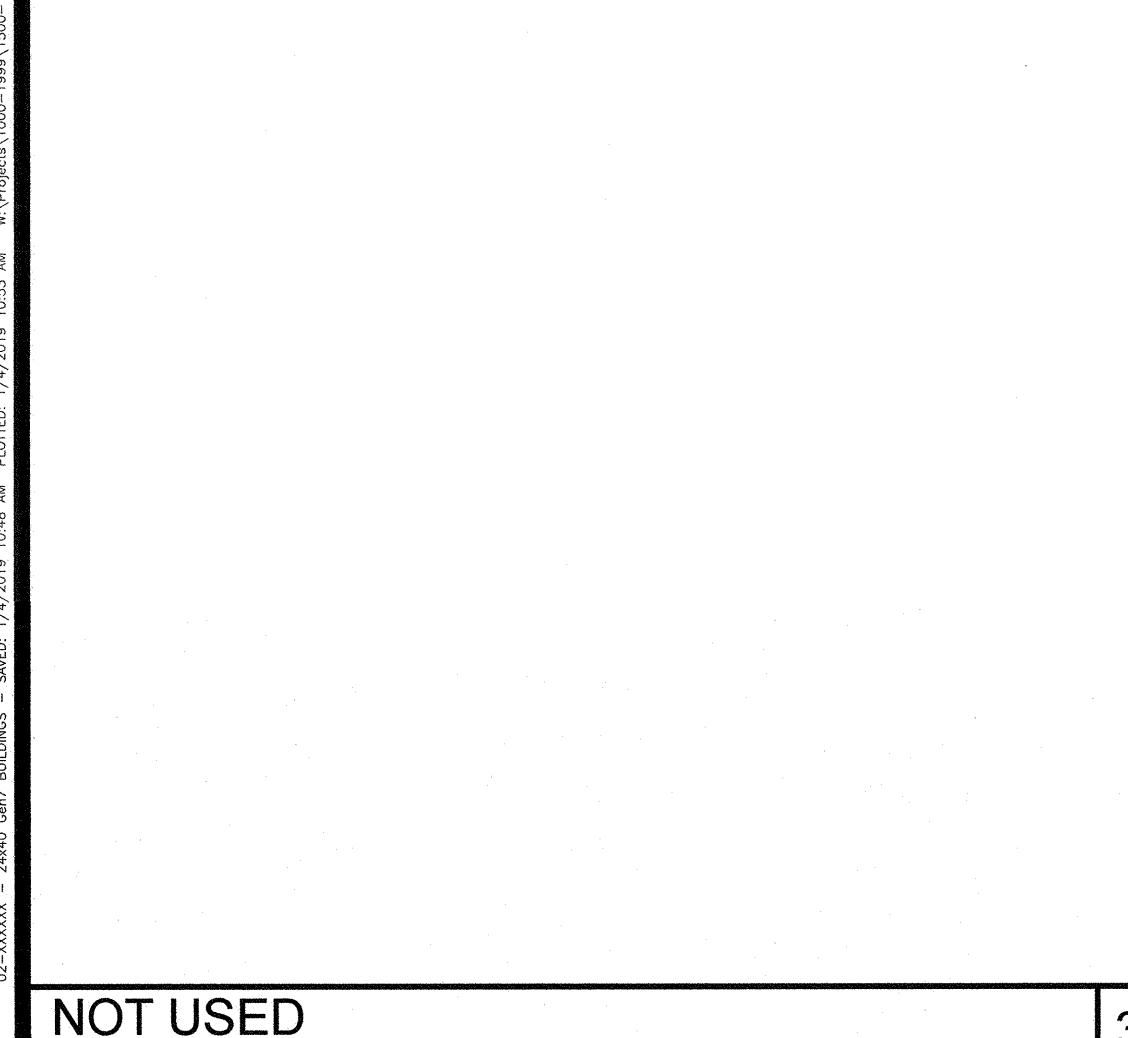


STAFF R.R. PLAN SCALE: 1/4"=1'-0" 1

MARK	FIXTURE*	TYPE AT KINDERGARTEN	TYPE AT ELEMENTARY	TYPE AT ADULT	REMARKS
WC 1	WATER CLOSET	WALL MOUNT TYPE KOHLER "KINGSTON" MODEL K-4325 OR EQUAL	WALL MOUNT TYPE KOHLER "KINGSTON" MODEL K-4325 OR EQUAL	WALL MOUNT TYPE KOHLER "KINGSTON" MODEL K-4325 OR EQUAL	FLUSH VALVE ZURN MODEL Z600AV-HET 1.28gpf OR EQUAL. LOCATE AS SPECIFIED ON FLOOR PLANS. MOUNT ACCESSIBLE FIXTURES PER SCHEDULE 7/P2.0.
WC 2	WATER CLOSET	FLOOR MOUNT TANK TYPE AMERICAN STANDARD #3128.001 FOR BOWL #4019.228 FOR TANK	FLOOR MOUNT TANK TYPE KOHLER "HIGHLINE" MODEL K-3999 OR EQUAL	FLOOR MOUNT TANK TYPE KOHLER "HIGHLINE" MODEL K-3999 OR EQUAL	LOCATE AS SPECIFIED ON FLOOR PLANS. MOUNT ACCESSIBLE FIXTURES PER SCHEDULE 7/P2.0.
WC 3	WATER CLOSET	FLOOR MOUNT FLUSH VALVE TYPE KOHLER "PRIMARY" MODEL K-4384 OR EQUAL	FLOOR MOUNT FLUSH VALVE TYPE KOHLER "WELLWORTH" MODEL K-4405 OR EQUAL	FLOOR MOUNT FLUSH VALVE TYPE KOHLER "WELLWORTH" MODEL K-4405 OR EQUAL	FLUSH VALVE ZURN MODEL Z600AV-HET 1.28gpf OR EQUAL. LOCATE AS SPECIFIED ON FLOOR PLANS. MOUNT ACCESSIBLE FIXTURES PER SCHEDULE 7/P2.0.
L 1	LAVATORY	AMERICAN STANDARD MODEL LUCERNE 0356.421 OR EQUAL	AMERICAN STANDARD MODEL LUCERNE 0356.421 OR EQUAL	AMERICAN STANDARD MODEL LUCERNE 0356.421 OR EQUAL	AMERICAN STANDARD LAVATORY SENSOR CONTROL LAVATORY FAUCET MODEL 6056.104 w/ NON-AERATING SPRAY @ 0.35 G/MIN. OR EQUAL. MOUNT AS SPECIFIED IN FLOOR PLANS. MOUNT ACCESSIBLE FIXTURES PER SCHEDULE 7/P2.0.
L 2	LAVATORY	AMERICAN STANDARD MODEL LUCERNE 0355.012 OR EQUAL	AMERICAN STANDARD MODEL LUCERNE 0355.012 OR EQUAL	AMERICAN STANDARD MODEL LUCERNE 0355.012 OR EQUAL	AMERICAN STANDARD SINGLE CONTROL LAVATORY FAUCET MODEL 2175.205 w/ CHICAGO FAUCET NON-AERATING SPRAY @ 0.50 G/MIN. MODEL #2605KABCP OR EQUAL. MOUNT AS SPECIFIED IN FLOOR PLANS. MOUNT ACCESSIBLE FIXTURES PER SCHEDULE 7/P2.0.
UR 1	URINAL	WALL MOUNT TYPE AMERICAN STANDARD MODEL ALLBROOK 6841.132 OR EQUAL	WALL MOUNT TYPE AMERICAN STANDARD MODEL ALLBROOK 6841.132 OR EQUAL	WALL MOUNT TYPE AMERICAN STANDARD MODEL ALLBROOK 6841.132 OR EQUAL	FLUSH VALVE ZURN MODEL Z6003AV OR EQUAL. MOUNT AS SPECIFIED IN FLOOR PLANS. MOUNT ACCESSIBLE FIXTURES PER SCHEDULE 7/P2.0.
M 1	MIRROR	WALL MOUNT TYPE BRADLEY MODEL 781-1830 OR EQUAL	WALL MOUNT TYPE BRADLEY MODEL 781-1830 OR EQUAL	WALL MOUNT TYPE BRADLEY MODEL 781-1830 OR EQUAL	MOUNT AS SPECIFIED IN FLOOR PLANS. MOUNT ACCESSIBLE MIRROR PER SCHEDULE 7/P2.0.
GB 1	GRAB BARS	36" WALL MOUNT TYPE CREATIVE SPECIALTIES INTERNATIONAL MODEL R7436 (1 1/4" EXPOSED SCREW 36" & 42") OR EQUAL	36" WALL MOUNT TYPE CREATIVE SPECIALTIES INTERNATIONAL MODEL R7436 (1 1/4" EXPOSED SCREW 36" & 42") OR EQUAL	36" WALL MOUNT TYPE CREATIVE SPECIALTIES INTERNATIONAL MODEL R7436 (1 1/4" EXPOSED SCREW 36" & 42") OR EQUAL	18 GA. 304 STAINLESS STEEL SATIN FINISH MOUNT AS SPECIFIED IN FLOOR PLANS AND PER SCHEDULE 7/P2.0. (STRUCTURAL STRENGTH OF GRAB BARS 250# MIN.)
GB 2	GRAB BARS	42" WALL MOUNT TYPE CREATIVE SPECIALTIES INTERNATIONAL MODEL R7436 (1 1/4" EXPOSED SCREW 36" & 42") OR EQUAL	42" WALL MOUNT TYPE CREATIVE SPECIALTIES INTERNATIONAL MODEL R7436 (1 1/4" EXPOSED SCREW 36" & 42") OR EQUAL	42" WALL MOUNT TYPE CREATIVE SPECIALTIES INTERNATIONAL MODEL R7436 (1 1/4" EXPOSED SCREW 36" & 42") OR EQUAL	18 GA. 304 STAINLESS STEEL SATIN FINISH MOUNT AS SPECIFIED IN FLOOR PLANS AND PER SCHEDULE 7/P2.0. (STRUCTURAL STRENGTH OF GRAB BARS 250# MIN.)
WH 1	WATER HEATER	RHEEMGLAS ENERGY MISER ELECTRIC WATER HEATER RHEEM POINT OF USE MODEL 61VP25 THRU 82VP30-1 OR EQUAL	RHEEMGLAS ENERGY MISER ELECTRIC WATER HEATER RHEEM POINT OF USE MODEL 61VP25 THRU 82VP30-1 OR EQUAL	RHEEMGLAS ENERGY MISER ELECTRIC WATER HEATER RHEEM POINT OF USE MODEL 61VP25 THRU 82VP30-1 OR EQUAL	AVAILABLE IN 2, 4, 6, 10, 15, 20 AND 30 GALLON MODELS (MAX WATER HEATER WEIGHT=400LBS) PER 6/41.4 OR 1/P2.0 LOCATION MAY VARY.
FS 1	FLOOR SINK	FLORESTONE FLOOR SINK MOLDED MOIP RECEPTORS MODEL MSR-2424 OR EQUAL	FLORESTONE FLOOR SINK MOLDED MOIP RECEPTORS MODEL MSR-2424 OR EQUAL	FLORESTONE FLOOR SINK MOLDED MOIP RECEPTORS MODEL MSR-2424 OR EQUAL	ZURN ZB3MIRG OR EQUAL
US 1	UTILITY SINK	WALL MOUNT TYPE ELJER RADFORD SINK MODEL 241-0354 OR EQUAL	WALL MOUNT TYPE ELJER RADFORD SINK MODEL 241-0354 OR EQUAL	WALL MOUNT TYPE ELJER RADFORD SINK MODEL 241-0354 OR EQUAL	AMERICAN STANDARD EXPOSED YOKE WALL MOUNT UTILITY FAUCET MODEL 8344.112 OR EQUAL
FD 1	FLOOR DRAIN	WOOD FLOOR DRAIN SIOUX CHIEF MODEL MODEL 822-2PNRV OR EQUAL	WOOD FLOOR DRAIN SIOUX CHIEF MODEL MODEL 822-2PNRV OR EQUAL	WOOD FLOOR DRAIN SIOUX CHIEF MODEL MODEL 822-2PNRV OR EQUAL	LOCATE AS SPECIFIED ON FLOOR PLANS. SEE 2/P2.0.
FD 2	FLOOR DRAIN	CONCRETE FLOOR DRAIN ZURN MODEL 2415 w/ STANDARD GRATE ZURN 7400B OR EQUAL	CONCRETE FLOOR DRAIN ZURN MODEL 2415 w/ STANDARD GRATE ZURN 7400B OR EQUAL	CONCRETE FLOOR DRAIN ZURN MODEL 2415 w/ STANDARD GRATE ZURN 7400B OR EQUAL	LOCATE AS SPECIFIED ON FLOOR PLANS. (FLOOR DRAIN TO BE USED ON CONCRETE ONLY.) SEE 2/P2.0.
FV 1	FLUSH VALVE	ZURN FLUSH VALVE MODEL EXPOSED Z600AV-HET FOR WATER CLOSETS OR EQUAL	ZURN FLUSH VALVE MODEL EXPOSED Z600AV-HET FOR WATER CLOSETS OR EQUAL	ZURN FLUSH VALVE MODEL EXPOSED Z600AV-HET FOR WATER CLOSETS OR EQUAL	FLOW OPTIONS: 1.28 G/FLUSH LOW CONSUMPTION FLUSH WATER CLOSET VALVE MOUNT AS SPECIFIED IN FLOOR PLANS. HANDLE AT WIDE SIDE OF WC.
FV 2	FLUSH VALVE	ZURN FLUSH VALVE MODEL EXPOSED Z6003AV FOR URINALS OR EQUAL	ZURN FLUSH VALVE MODEL EXPOSED Z6003AV FOR URINALS OR EQUAL	ZURN FLUSH VALVE MODEL EXPOSED Z6003AV FOR URINALS OR EQUAL	FLOW OPTIONS: 0.50 G/FLUSH LOW CONSUMPTION FLUSH 3/4" URINAL VALVE MOUNT AS SPECIFIED IN FLOOR PLANS. HANDLE AT WIDE SIDE OF WC.
CS 1	CLASSROOM SINK	TEKA SINGLE BOWL SINK MODEL America #25.22 OR EQUAL	TEKA SINGLE BOWL SINK MODEL America #25.22 OR EQUAL	TEKA SINGLE BOWL SINK MODEL America #25.22 OR EQUAL	LOCATE AS SPECIFIED ON FLOOR PLANS. MOUNT ACCESSIBLE FIXTURES PER SCHEDULE 7/P2.0.
HB 1	HOSE BIBB	ACORN HOSE BIBB MODEL #8141 SINGLE TEMPERATURE w/ VACUUM BREAKER OR EQUAL	ACORN HOSE BIBB MODEL #8141 SINGLE TEMPERATURE w/ VACUUM BREAKER OR EQUAL	ACORN HOSE BIBB MODEL #8141 SINGLE TEMPERATURE w/ VACUUM BREAKER OR EQUAL	LOCATE AS SPECIFIED ON FLOOR PLANS.

PLUMBING FIXTURE SCHEDULE

PLUMBING NOTE	GENERAL NOTES
<p>MODULAR MFR. TO STUB THROUGH FLOOR ALL PLUMBING LINES. BUILDING PERIMETER POO'S SHOWN ARE FOR COORDINATION PURPOSES ONLY. ALL UNDER-FLOOR CONNECTIONS ARE BY SITE CONTRACTOR. U.O.N.</p> <p>1. DIMENSIONS ARE TO FACE OF FINISH (F.O.F.) UNLESS NOTED OTHERWISE (i.e. F.O.C., E).</p> <p>2. RESTROOM CONFIGURATION MAY VARY PER BUILDING CONFIGURATION.</p> <p>3. RESTROOM MODULE OCCURS ONLY AT END OF BUILDING. SINGLE RESTROOMS MAY OCCUR IN ANY PART OF A BUILDING.</p> <p>4. RESTROOM MODULE CANNOT STAND ALONE AND SHALL BE ASSEMBLED TOGETHER WITH AT LEAST TWO OTHER 10'x32' MODULES.</p> <p>5. INTERIOR WALLS MAY OCCUR THROUGHOUT BUILDING. REFER TO SHEET SB.1 OR SB.1 FOR ATTACHMENTS.</p> <p>6. REFER TO SCHEDULE 10/P2.0 FOR ACCESSIBLE HEIGHTS AT TOILETS.</p> <p>7. REFER TO DETAILS 1, 3, 4, & 5, SHEET A7.1 FOR TOILET PARTITION ANCHORAGE BLOCKING.</p> <p>8. SEWER AND WATER STUB OUTS SHALL BE LOCATED WITHIN THE ALLOWABLE AREA AS SHOWN ON FLOOR PLAN AND CONNECTIONS SHALL BE EASILY ACCESSIBLE FOR FUTURE RELOCATION. STUB OUT HEIGHT SHALL BE COORDINATED BY THE MANUFACTURER.</p> <p>9. PIPING MATERIAL a. WATER: COPPER TYPE "L", 95/5 SOLDER. b. WASTE: DRAIN AND VENT: ABS.</p>	<p>PLUMBING FIXTURE I.D. - SEE SCHEDULE ABOVE</p>



NOT USED

HOSE BIBB PLAN SCALE: 1/4"=1'-0" 3

CLASSROOM SINK PLAN SCALE: 1/4"=1'-0" 4

SYMBOLS LEGEND 5

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PRE-CHECKED SET NAME
30'x32' THRU 150'x32' BUILDINGS

Gen7
healthy schools, delivered

SITE SPECIFIC PROJECT NAME
**GLENDALE USD
CRESCENTA VALLEY HS
(1) 60'x32' BUILDING**

SHEET TITLE
**RESTROOM OPTIONS
PLUMBING PLAN
FIXTURE SCHEDULE**

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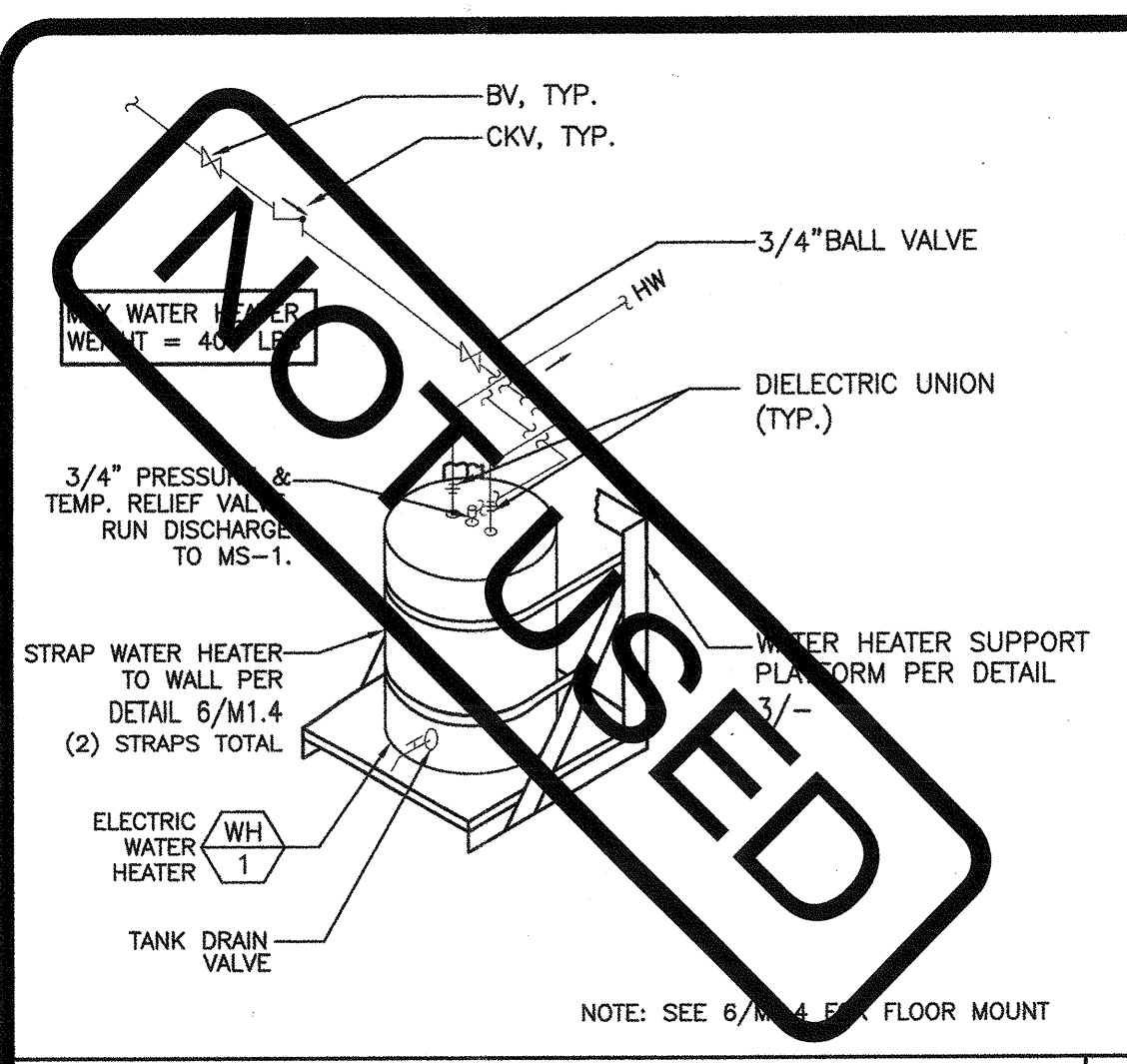
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DIV. OF THE STATE ARCHITECT
AP03 119722
AC FL SS 64
DATE FEB 05 2018**

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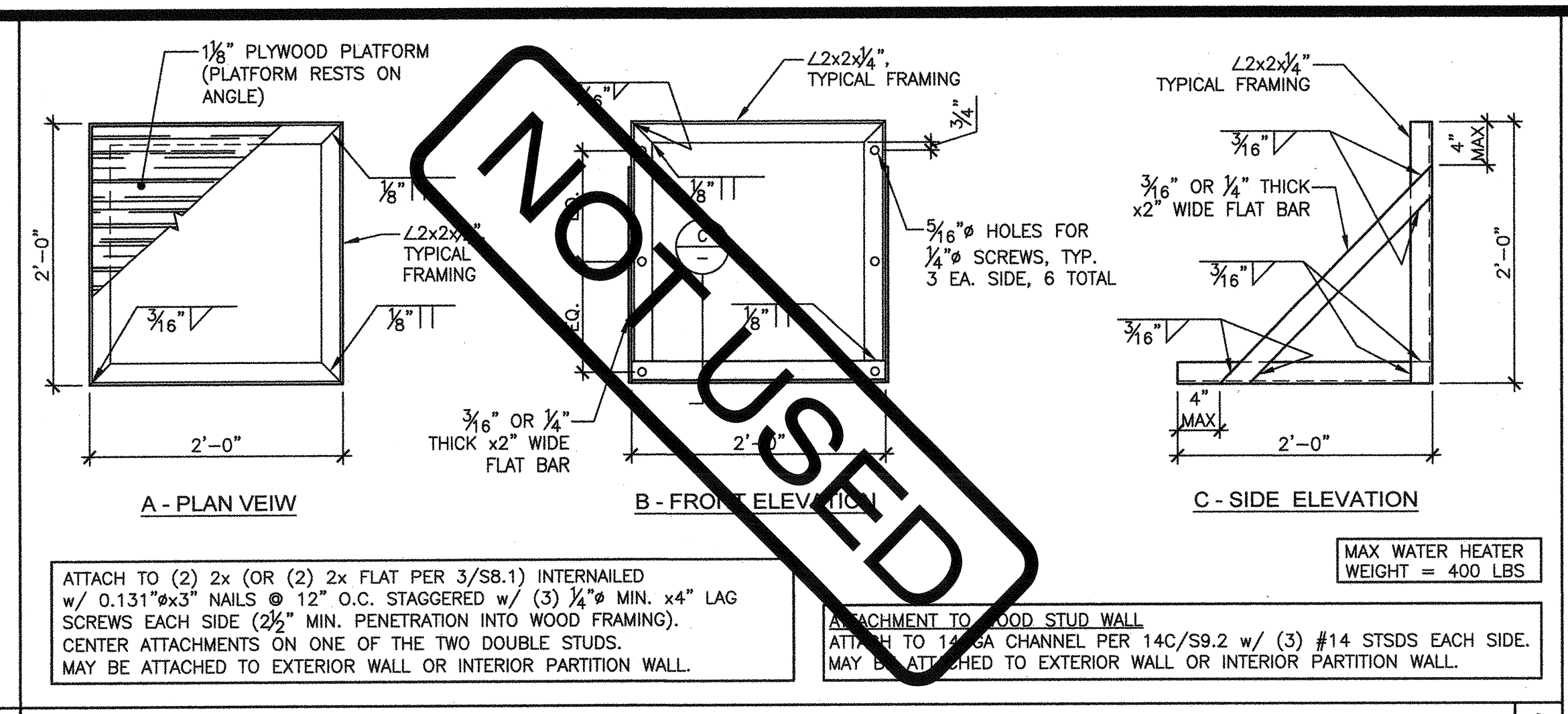
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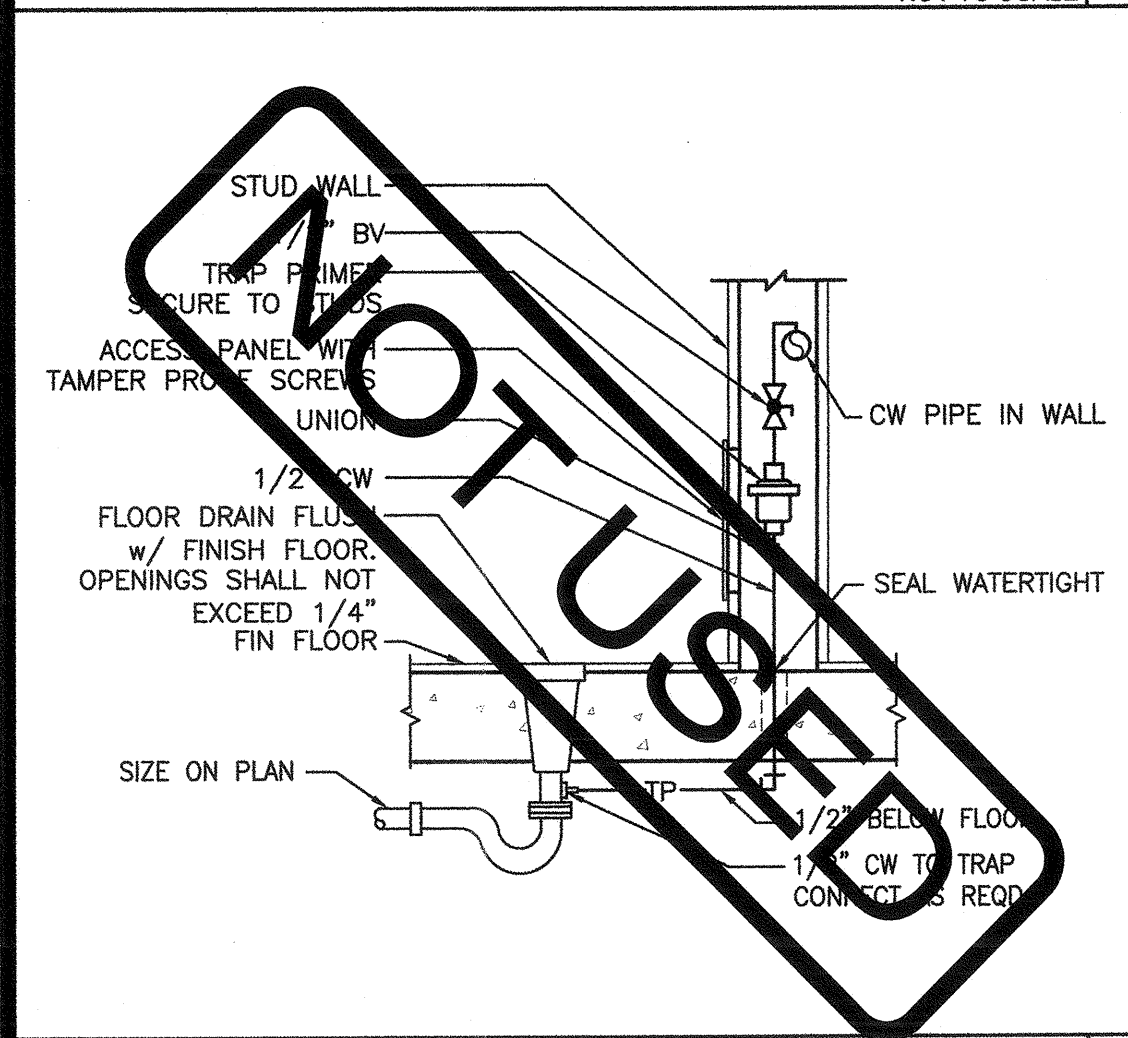
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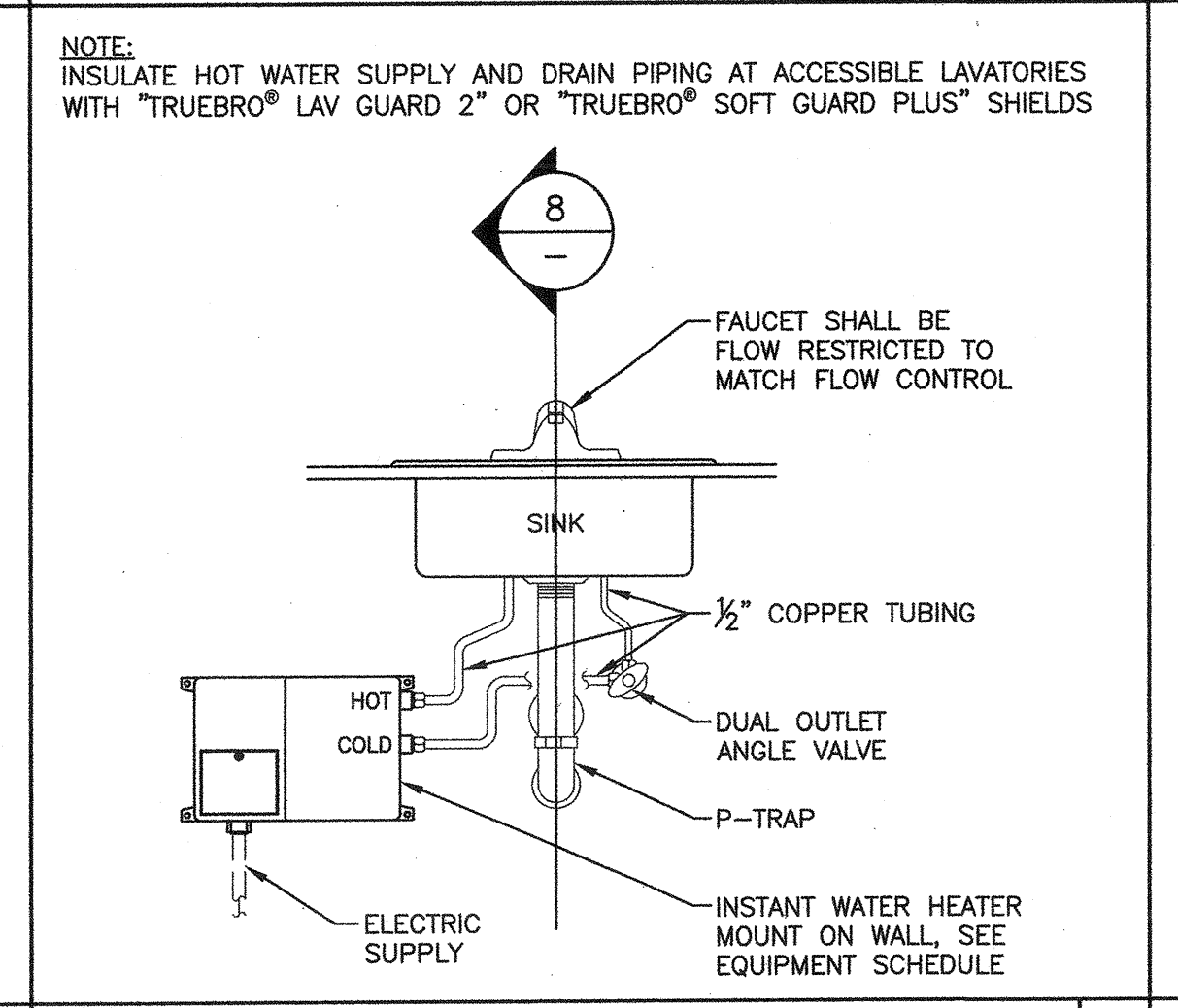
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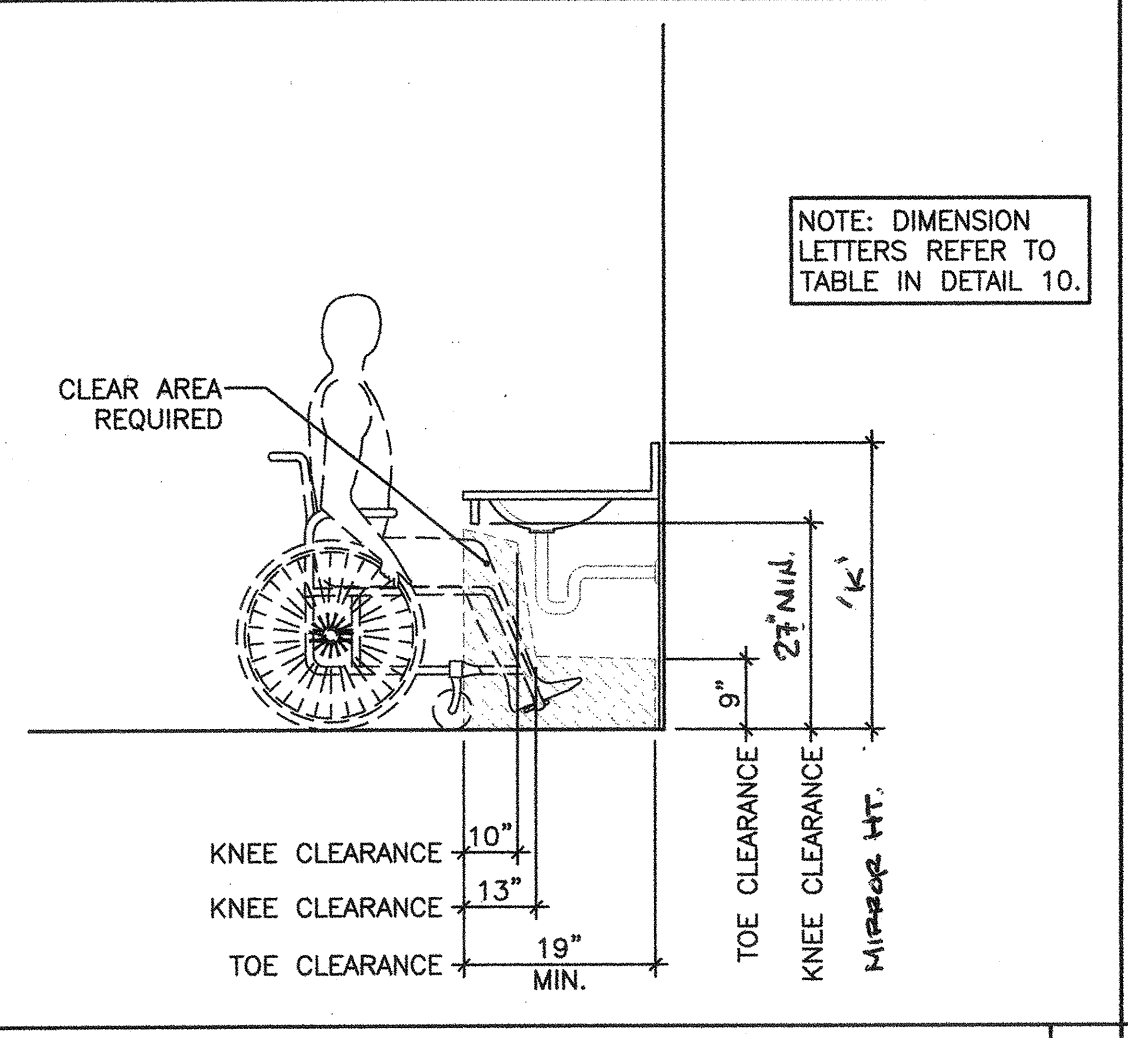
WATER HEATER PLATFORM DETAIL NOT TO SCALE 3



TRAP PRIMER DETAIL NOT TO SCALE 6



INSTANT WATER HEATER DETAIL NOT TO SCALE 7

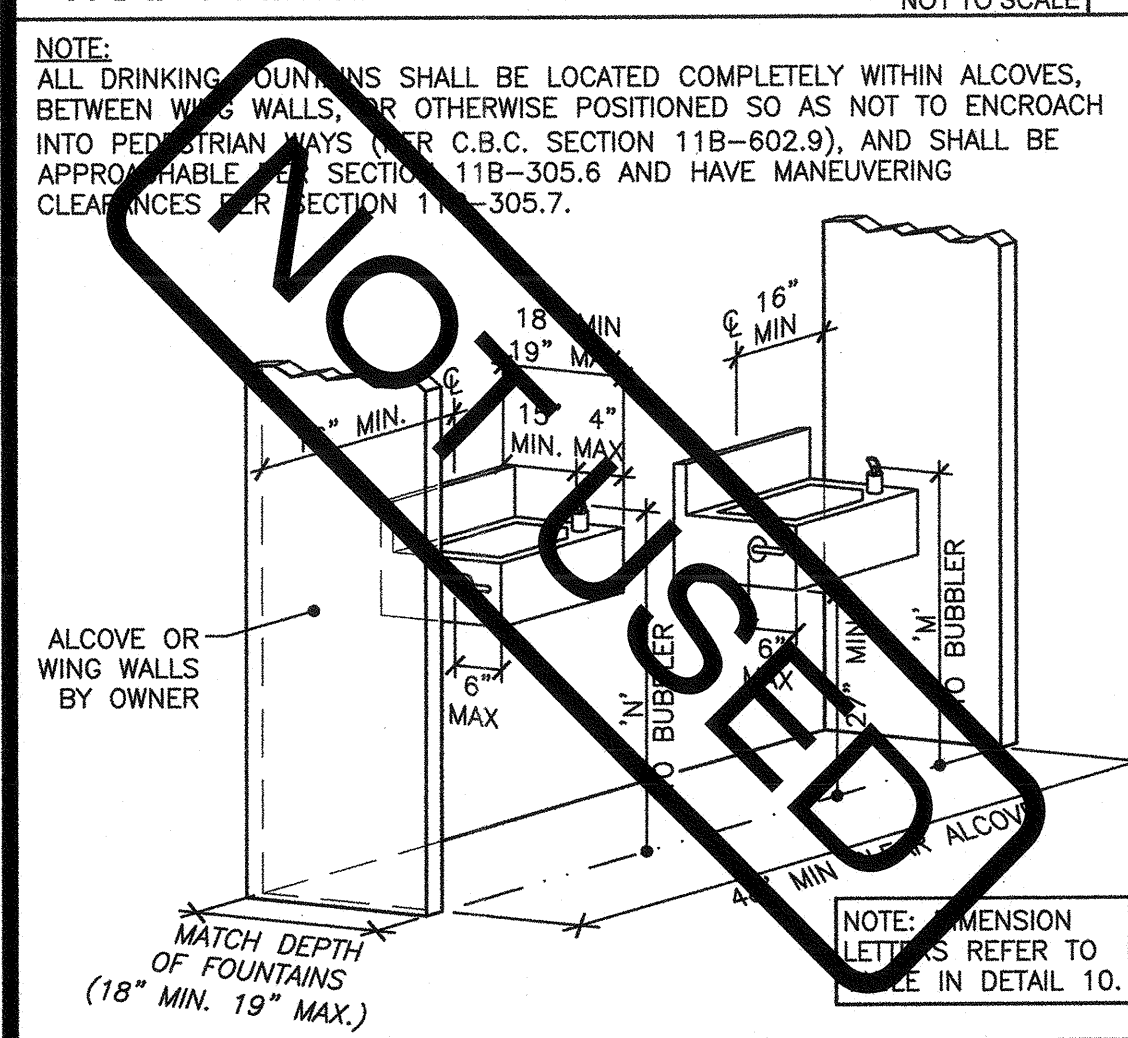


ACCESSIBLE CLASSROOM SINK NOT TO SCALE 8

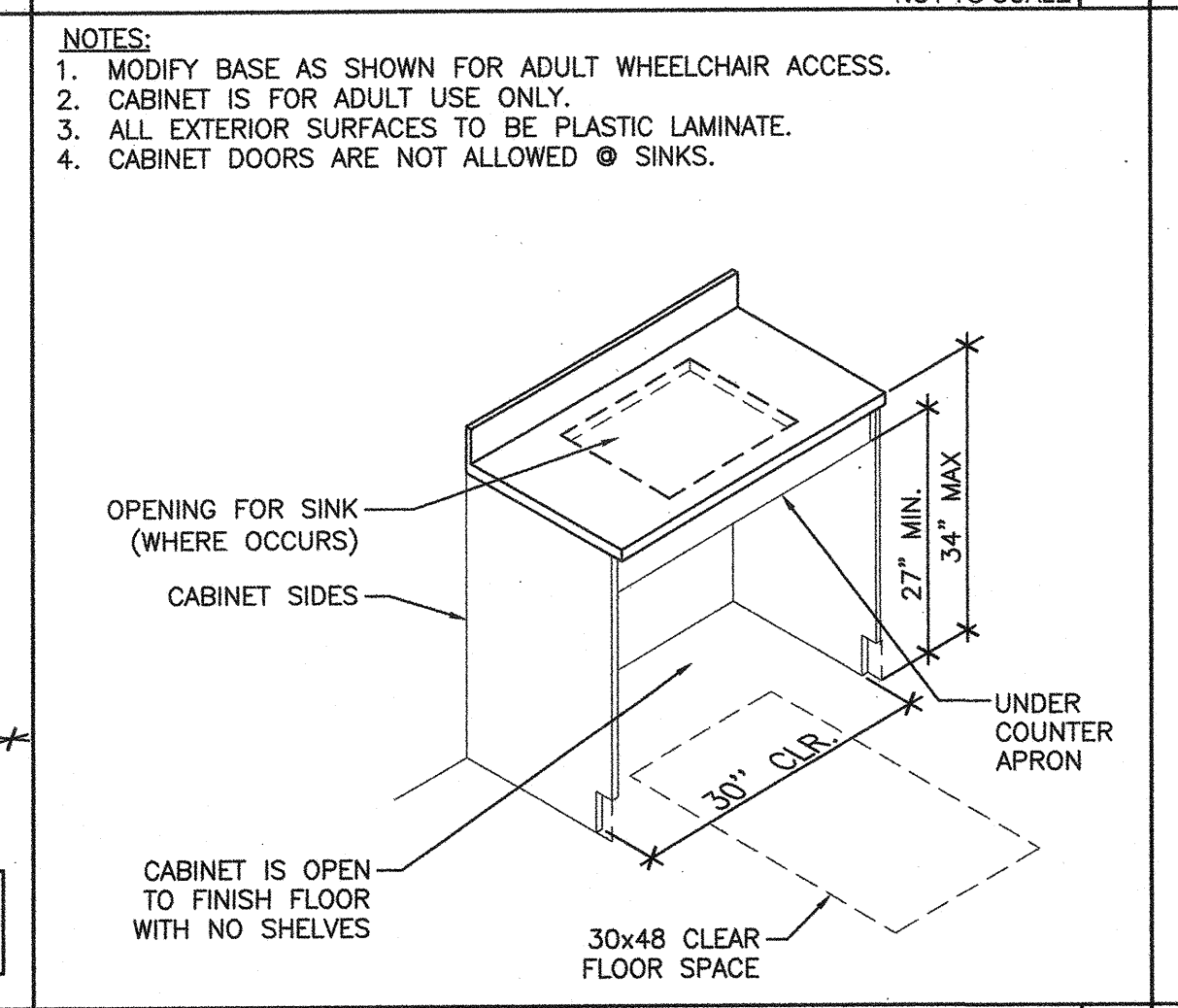
FIXTURE & MEASUREMENT POINT	PRIMARY USERS				NOTES
	AGES 3-4	AGES 5-8	AGES 9-12	AGES 13 ADULT	
A TOILET, CENTERLINE FROM FACE OF WALL	12" SUGGESTED	12" TO 15" SUGGESTED	15" TO 18" SUGGESTED	17" MIN TO 19" MAX.	
B TOILET, TOP OF SEAT HEIGHT	11" TO 12" SUGGESTED	12" TO 15" SUGGESTED	15" TO 17" SUGGESTED	17" MIN TO 19" MAX.	
C TOILET, TOP OF FLUSH CONTROLS	36" MAX.	36" MAX.	36" MAX.	44" MAX.	FLUSH CONTROLS SHALL BE LOCATED ON OPEN SIDE OF TOILET.
D GRAB BAR, TOP OF BAR	18" TO 20" SUGGESTED	20" TO 25" SUGGESTED	25" TO 27" SUGGESTED	33" MIN. TO 38" MAX.	
E TOILET PAPER DISPENSER, HEIGHT TO OUTLET	14" SUGGESTED	14" TO 17" SUGGESTED	17" TO 19" SUGGESTED	19" MIN.	CENTERLINE OF DISPENSER OUTLET SHALL BE BETWEEN 7" TO 9" IN FRONT OF THE TOILET. OUTLET OF DISPENSER MUST BE BELOW GRAB BAR. DISPENSER (INCLUDING FULL TOILET PAPER ROLL) MUST NOT ENCR OACH INTO REQ'D GRAB BAR CLEARANCE.
F TOILET SEAT COVER, HEIGHT TO TOP OF OUTLET	24" TO 32" SUGGESTED	30" TO 32" SUGGESTED	32" TO 36" SUGGESTED	40" MAX.	
G URINAL, LIP HEIGHT	12" TO 13" SUGGESTED	13" TO 15" SUGGESTED	15" TO 17" SUGGESTED	17" MAX.	
H URINAL, HEIGHT OF FLUSH HANDLE	36" MAX.	36" MAX.	36" MAX.	44" MAX.	
I LAVATORY, HEIGHT TO HIGHEST POINT AT FRONT OF LAV. OR COUNTER	24" TO 28" SUGGESTED	31" MAX.	31" MAX.	34" MAX.	
J LAVATORY, VERTICAL KNEE CLEARANCE		24" MIN.	24" MIN.	29"-27" OVER THE 8" DEPTH SHOWN	
K MIRROR (ABOVE LAVATORY OR COUNTERTOP), LOWEST POINT OF REFLECTIVE SURFACE	24" TO 32" SUGGESTED	30" TO 32" SUGGESTED	32" TO 36" SUGGESTED	40" MAX.	MIRROR NOT LOCATED ABOVE LAVATORY OR COUNTERTOP SHALL BE MOUNTED SO THAT LOWEST EDGE OF REFLECTING SURFACE IS 35" MAX. ABOVE FINISH FLOOR.
L DISPENSERS, DRYERS, HEIGHT TO TOP OF OUTLET, HANDLE OR OPERATING MECHANISM (WHICHEVER IS HIGHEST)	24" TO 32" SUGGESTED	30" TO 32" SUGGESTED	32" TO 36" SUGGESTED	40" MAX.	
M LO DRINKING FOUNTAIN, HEIGHT TO BUBBLER	24" TO 30" SUGGESTED	30" TO 32" SUGGESTED	32" TO 36" SUGGESTED	36" MAX.	
N HI DRINKING FOUNTAIN, HEIGHT TO BUBBLER	same as ADULT	same as ADULT	same as ADULT	38" MIN. TO 45" MAX.	

NOTES:
1. THIS TABLE AND RELATED DIAGRAMS ILLUSTRATE THE SPECIFIC REQUIREMENTS OF CALIF. TITLE 24 (2013 C.B.C. SECTION 11B-601) AND IS SHOWN HERE ONLY AS AN AID FOR CONSTRUCTION AND INSTALLATION.
2. ACCESSORIES ARE NOT IN MANUFACTURER'S SCOPE OF WORK.
3. DIMENSIONS GIVEN ARE FROM FACE OF FINISH, UNLESS OTHERWISE NOTED.
4. NOT ALL ITEMS LISTED MAY OCCUR IN THE PROJECT.
5. HEIGHTS CHOSEN FOR CHILDREN'S WATER CLOSETS & ACCESSORIES SHALL BE CONSISTENTLY APPLIED FOR THE AGE GROUP.

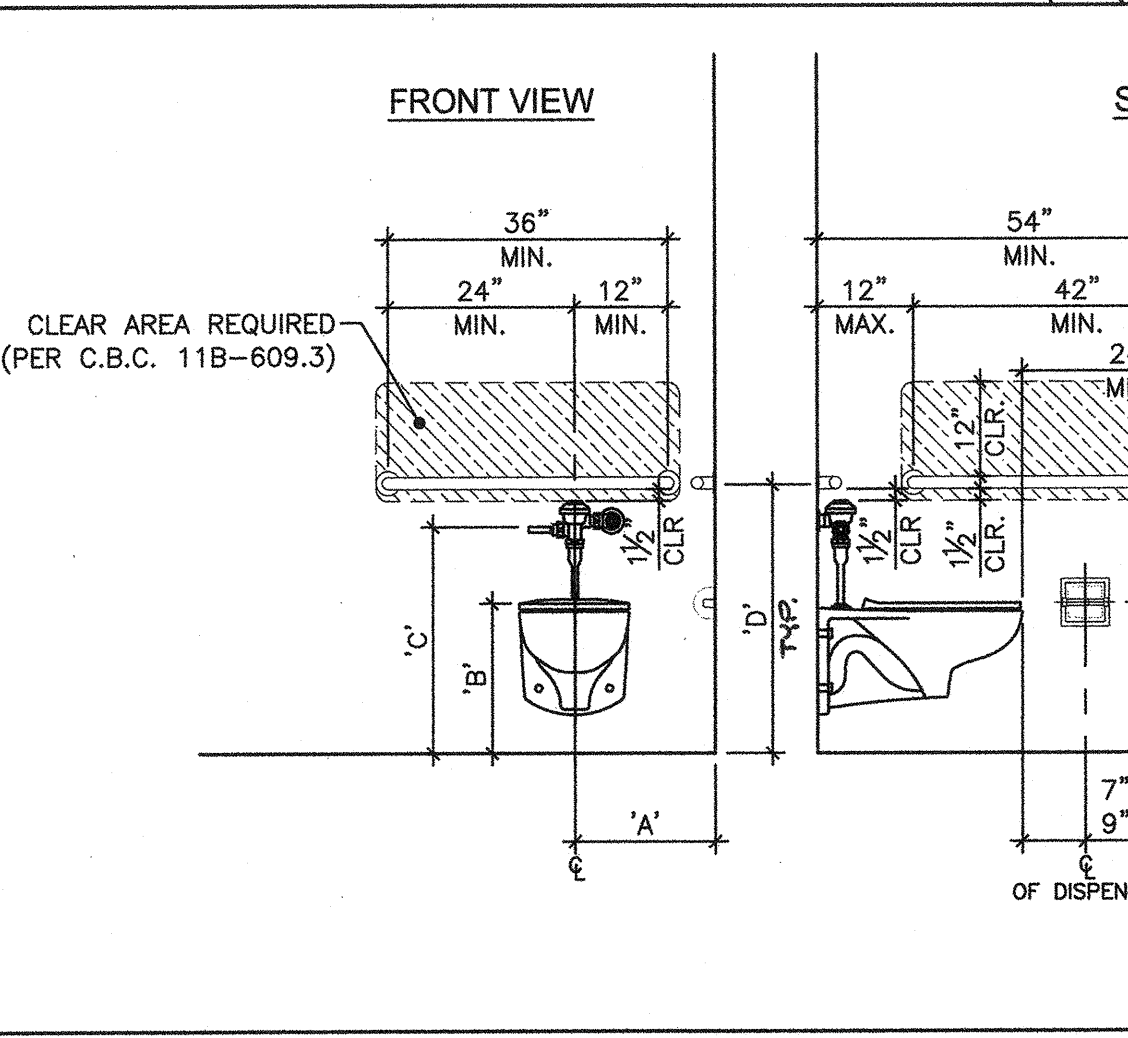
ACCESSIBLE HEIGHTS TABLE 10



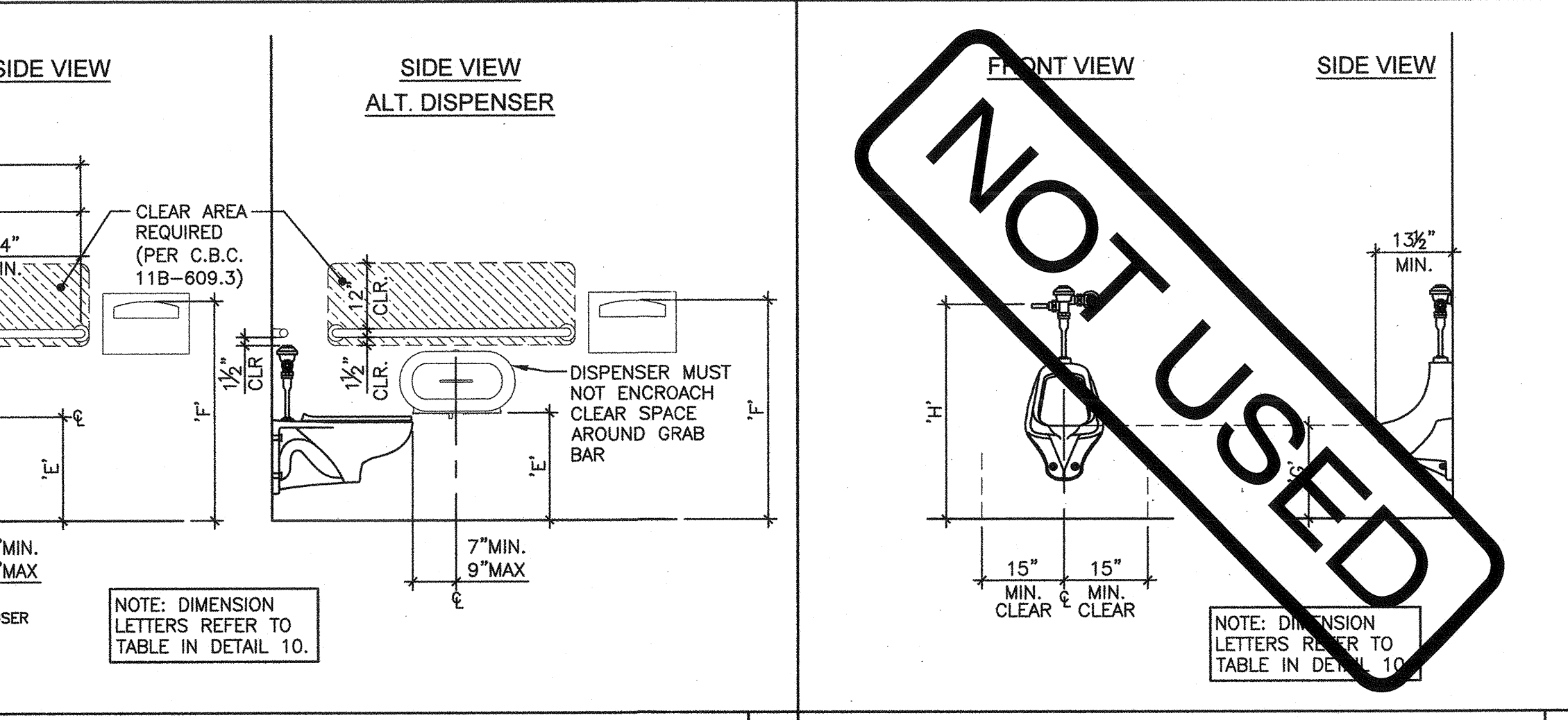
HI-LO DRINKING FOUNTAIN NOT TO SCALE 11



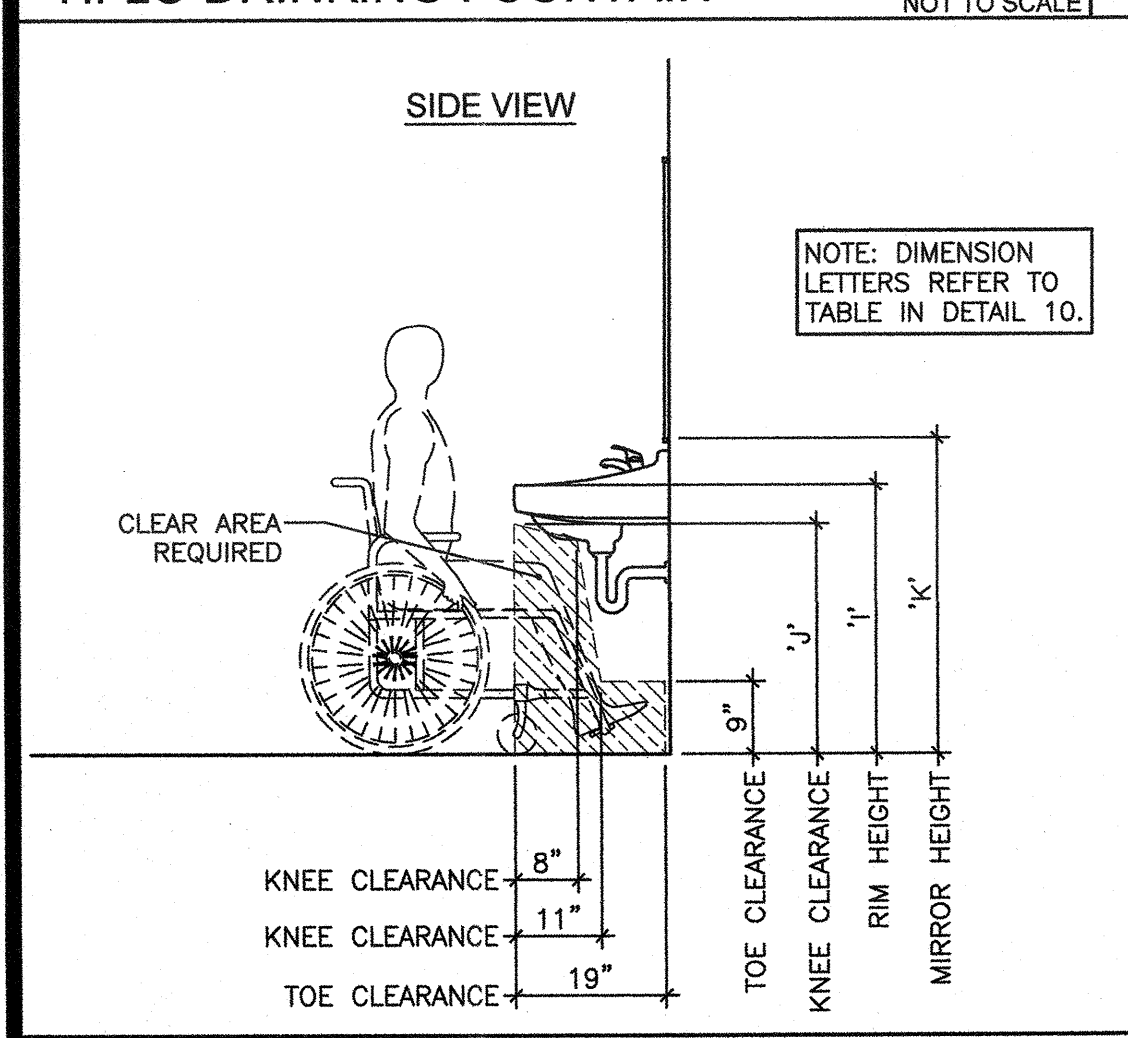
ACCESSIBLE CABINET DETAIL NOT TO SCALE 12



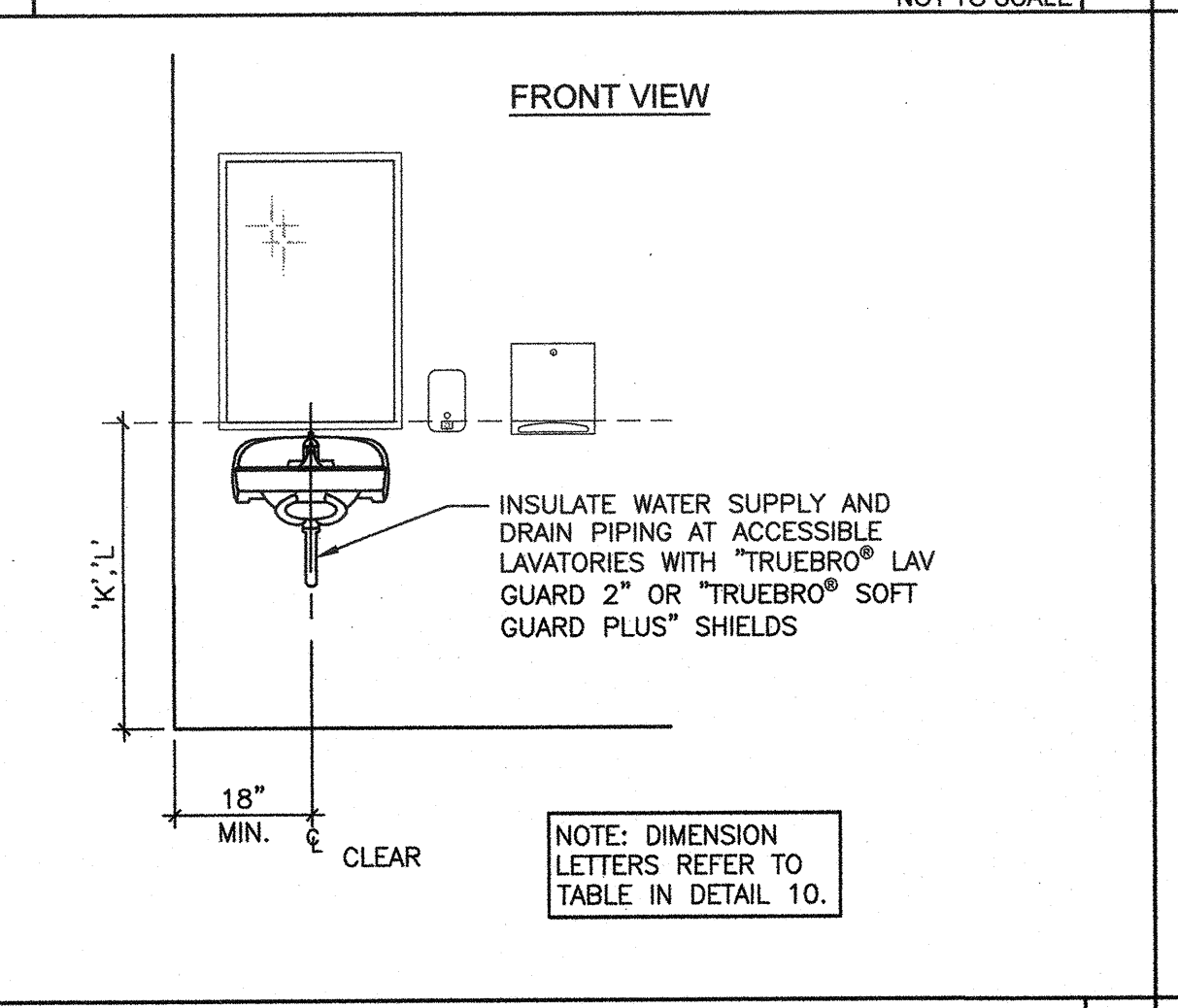
ACCESSIBLE TOILET AND ACCESSORIES SCALE: 1/2" = 1'-0" 14



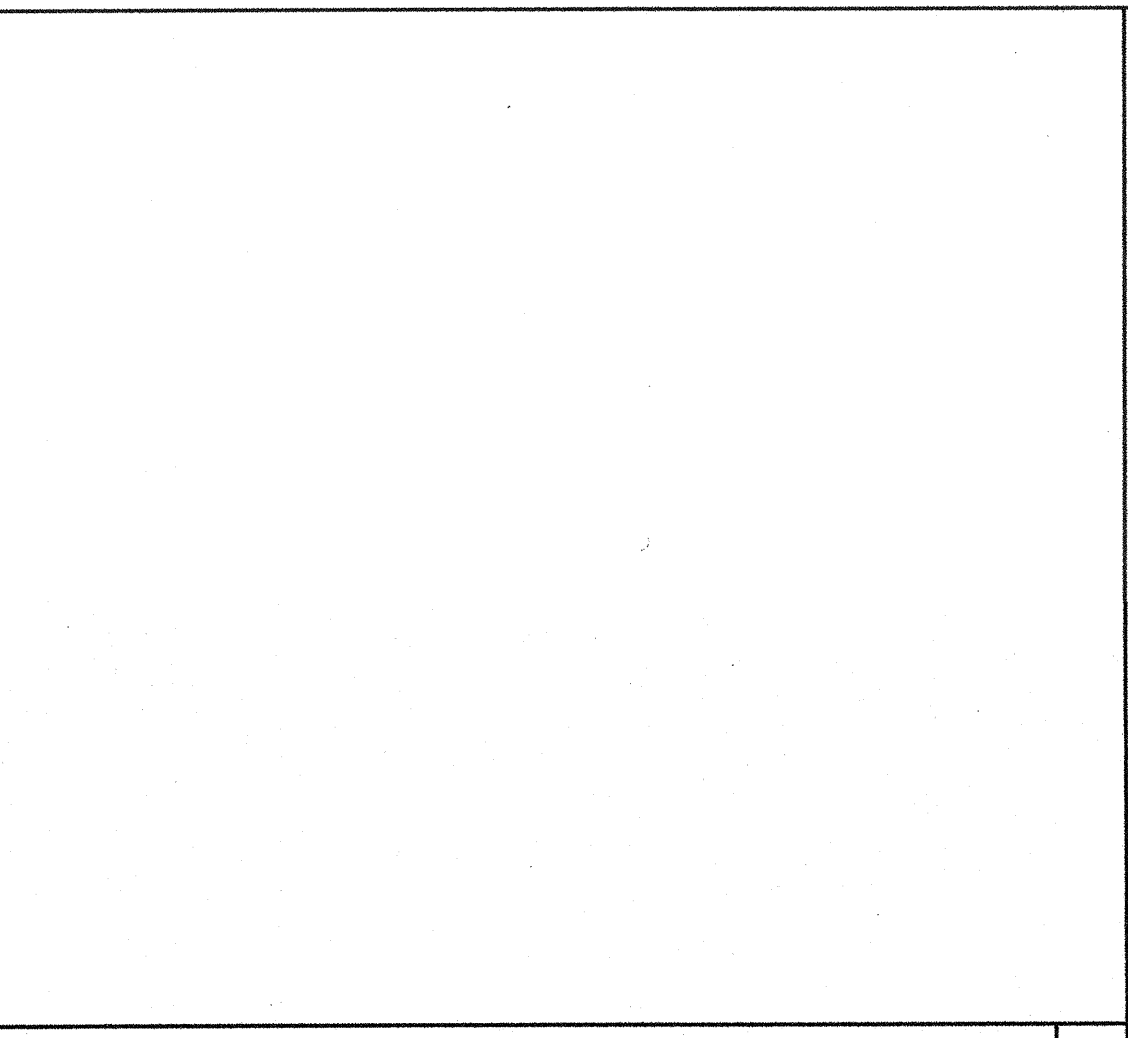
ACCESSIBLE URINAL SCALE: 1/2" = 1'-0" 15



LAVATORY & ACCESSORIES SCALE: 1/2" = 1'-0" 17



DETAIL 18



DETAIL 19

1. DWV PIPING SHALL BE ABS PLASTIC
2. COLD WATER SUPPLY SHALL BE TYPE L COPPER
3. MIN SLOPE 1/4" PER FOOT MAY SLOPE 4" CI AT 1/8" PER FOOT VENTS SHALL TERMINATE NOT LESS THAN 10 FEET FROM OR AT LEAST 3 FT. ABOVE ANY WINDOW, DOOR, AIR INTAKE OR VENT SHAFT, NOR LESS THAN 3FT. IN EVERY DIRECTION FROM ANY LOT LINE, ALLEY AND STREET EXCEPTED; EXTEND 6" ABOVE THE ROOF

PLUMBING NOTES 20



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PRE-CHECKED SET NAME
30'x32' THRU 150'x32' BUILDINGS
Gen7
healthy schools, delivered

SITE SPECIFIC PROJECT NAME

SHEET TITLE
PLUMBING DETAILS & ACCESSIBLE DETAILS

MANUFACTURER PROFESSIONAL OF RECORD ON PC
LICENSED ARCHITECT
PATRICK CAMPBELL
No. 10231
Exp. 2-31-18
STATE OF CALIFORNIA

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IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP03 119722
AC FL SS
DATE FEB 05 2019

ORIGINAL PC STATE AGENCY APPROVAL
IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
PC 02-116071
DATE 7 10 15

PRE-CHECK (PC) DOCUMENT
CODE: 2018 CBC
A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRED.

REVISIONS
DRAWN BY:
SCALE: AS NOTED
DATE:
SHEET NUMBER

P2.0



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PRE-CHECKED SET NAME
30x32' THRU 150x32' BUILDINGS
 Gen7
 healthy schools, delivered

SITE SPECIFIC PROJECT NAME

SHEET TITLE
PLUMBING ISOMETRICS

MANUFACTURER PROFESSIONAL OF RECORD ON PC

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 PROJECT SPECIFIC STATE AGENCY APPROVAL

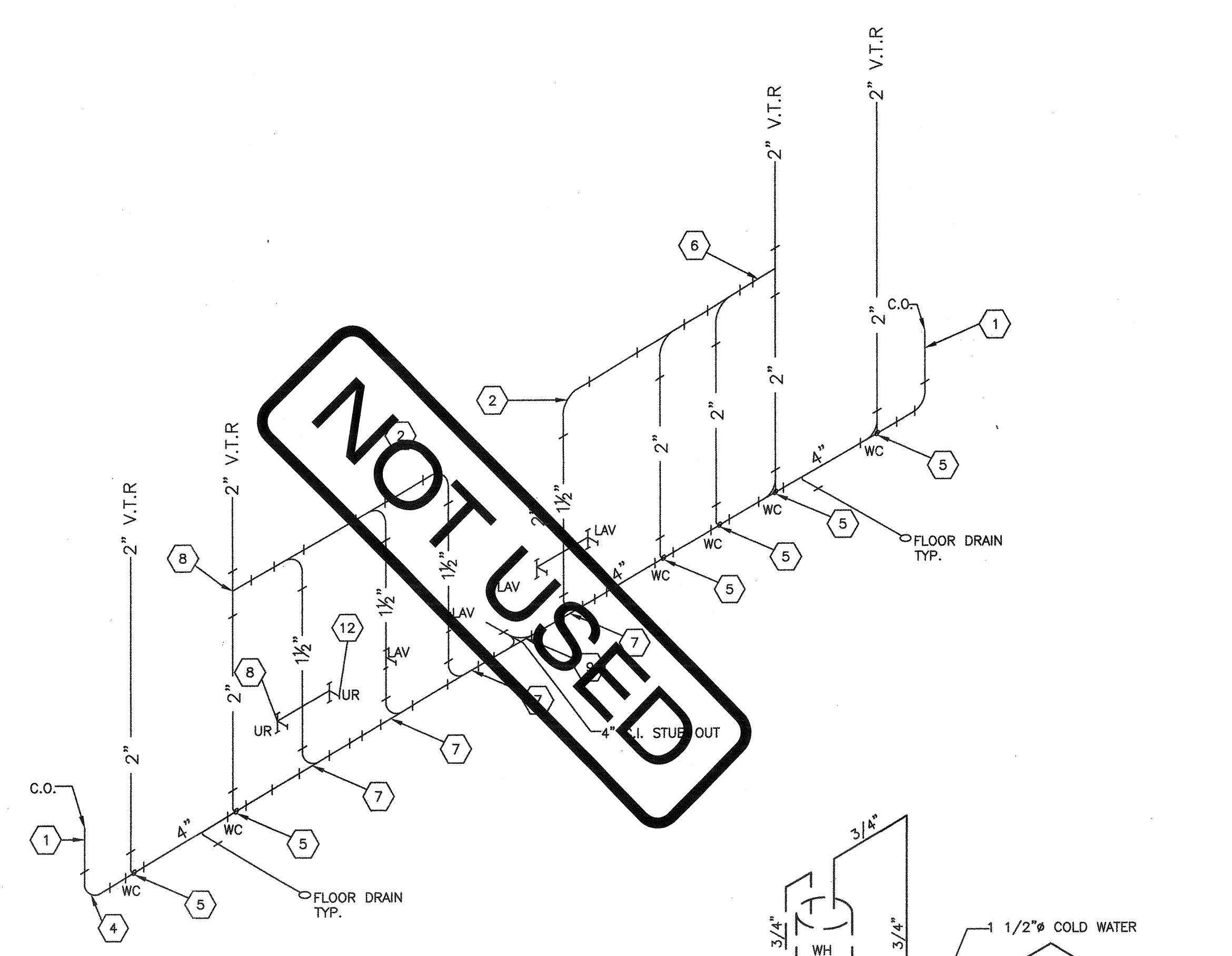
IDENTIFICATION STAMP
 DIV. OF THE STATE ARCHITECT
 APPROX 119722
 AC FLS SS BY
 DATE FEB 03 2015

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 DIV. OF THE STATE ARCHITECT
 PC 02-116071
 AC FLS SS BY
 DATE 7 10 18

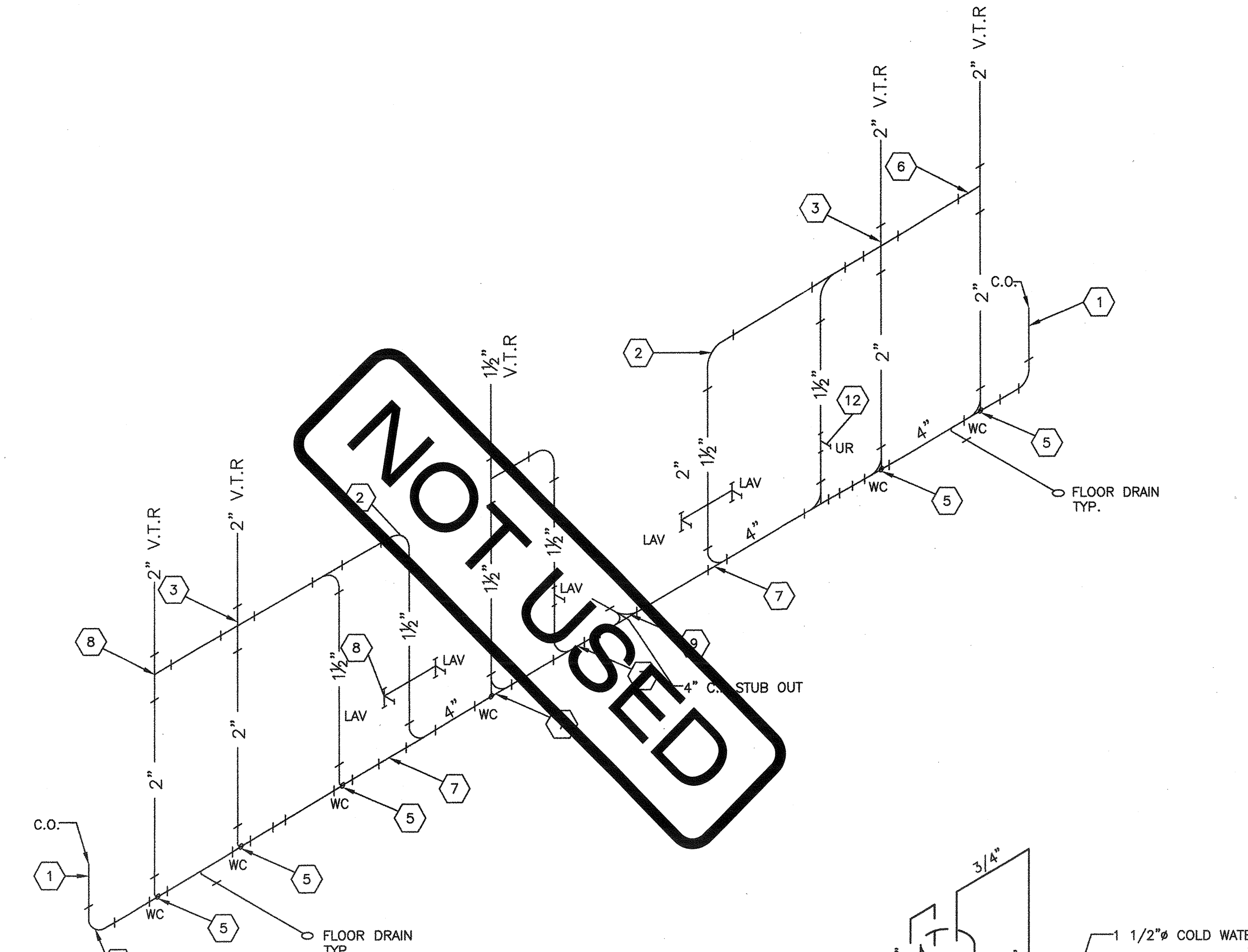
PRE-CHECK (PC) DOCUMENT
 CODE: 2016 CBC
 A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRED.

REVISIONS
 DRAWN BY:
 SCALE: AS NOTED
 DATE:
 SHEET NUMBER

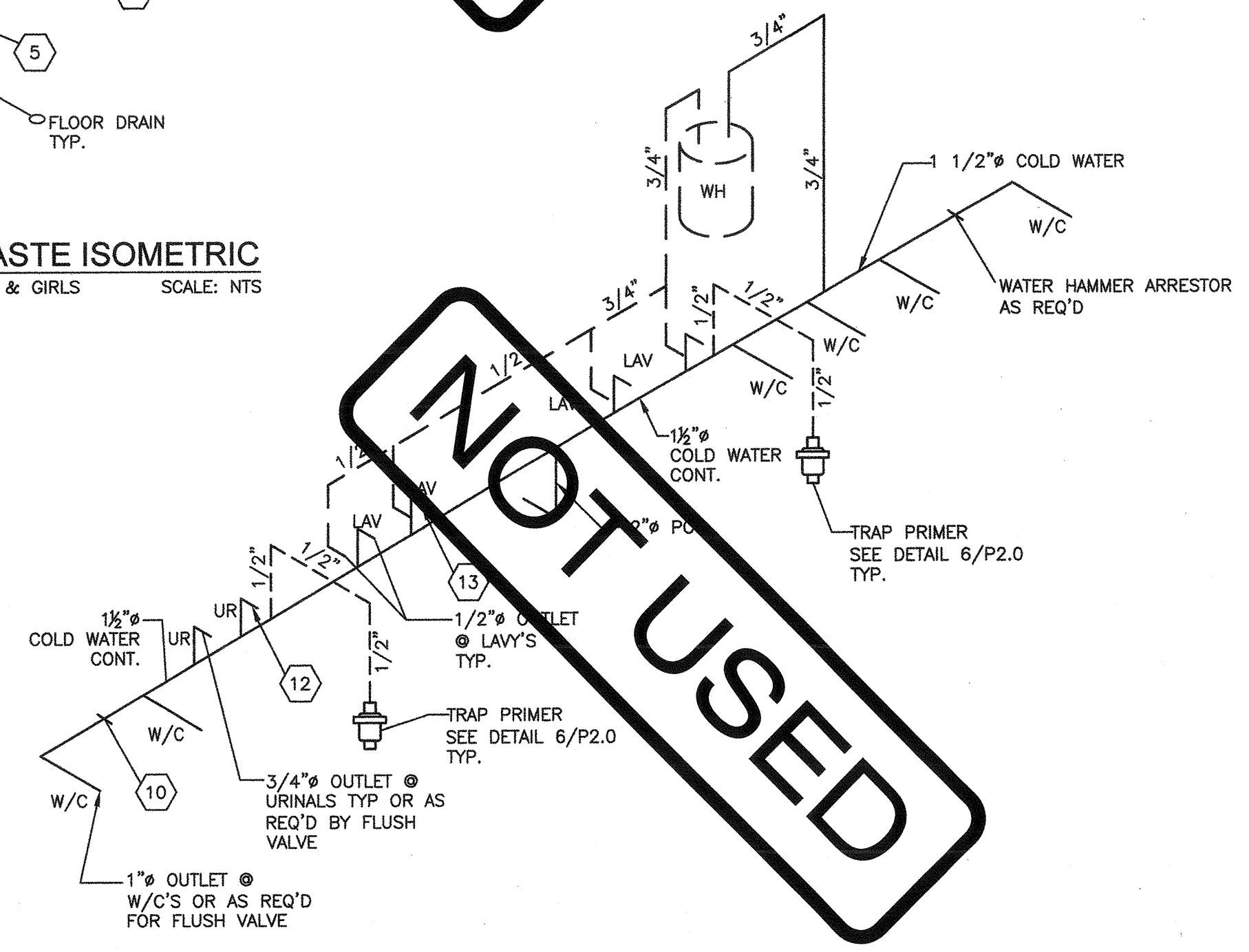
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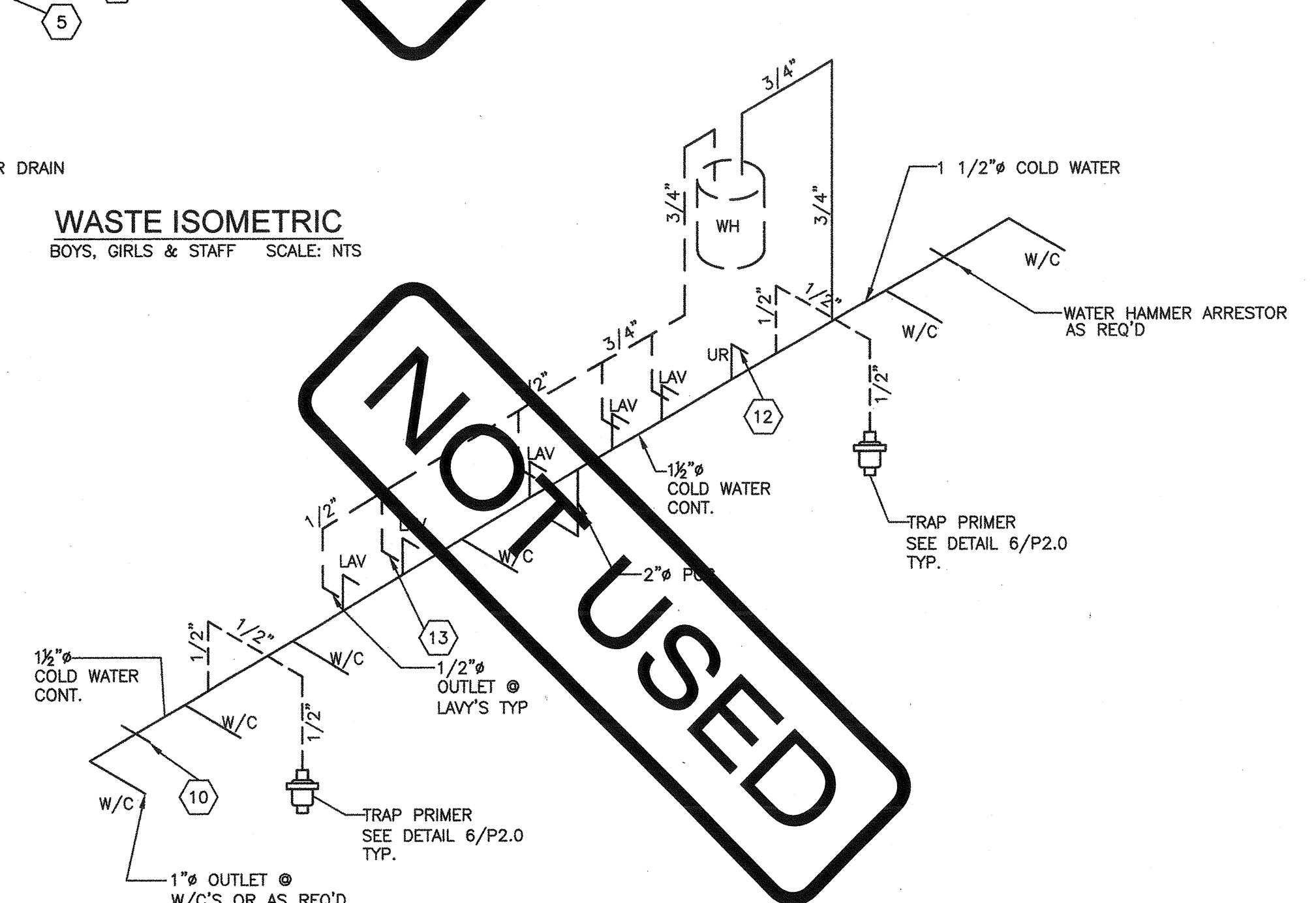
WASTE ISOMETRIC
 BOYS & GIRLS SCALE: NTS



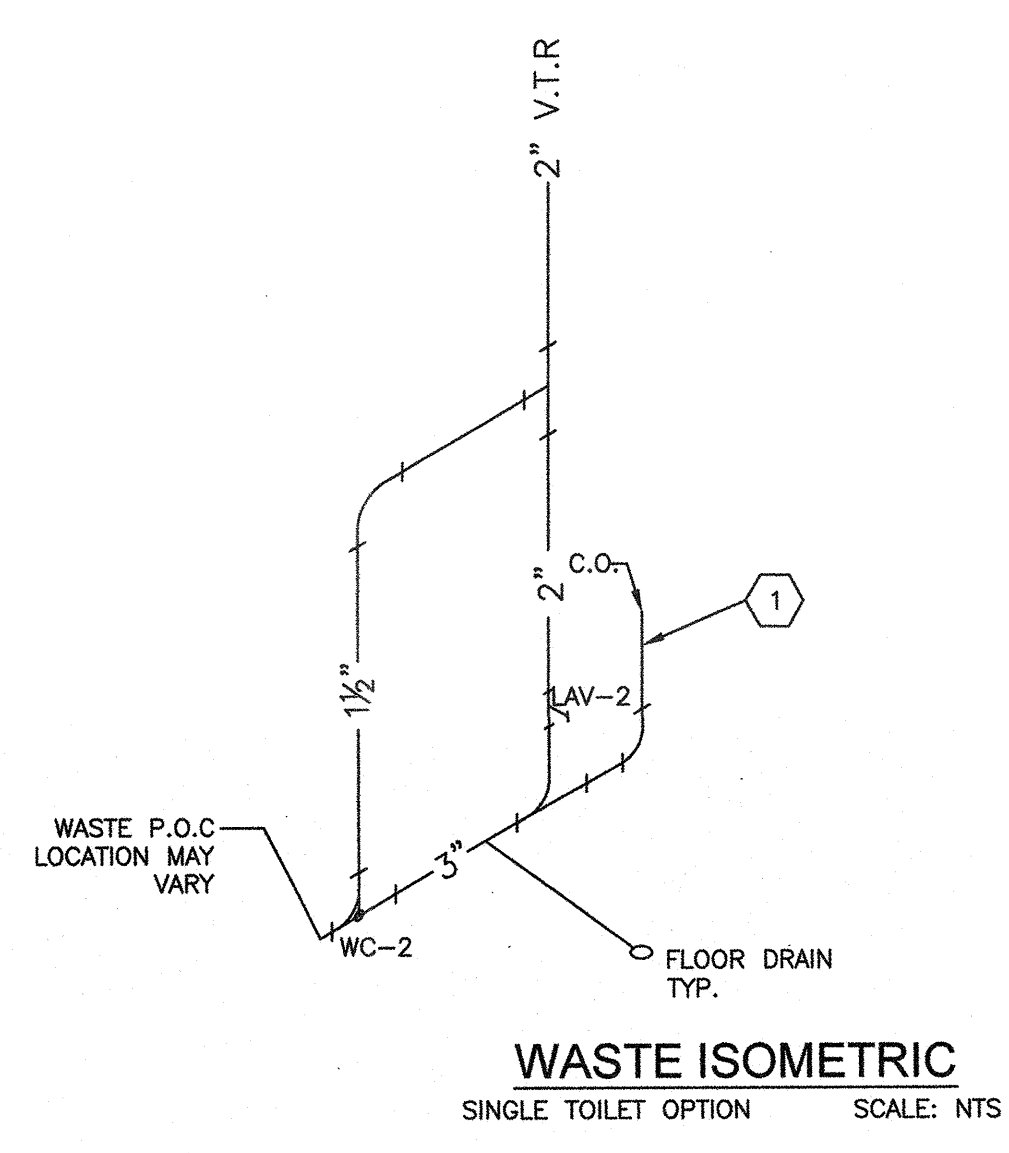
WASTE ISOMETRIC
 BOYS, GIRLS & STAFF SCALE: NTS



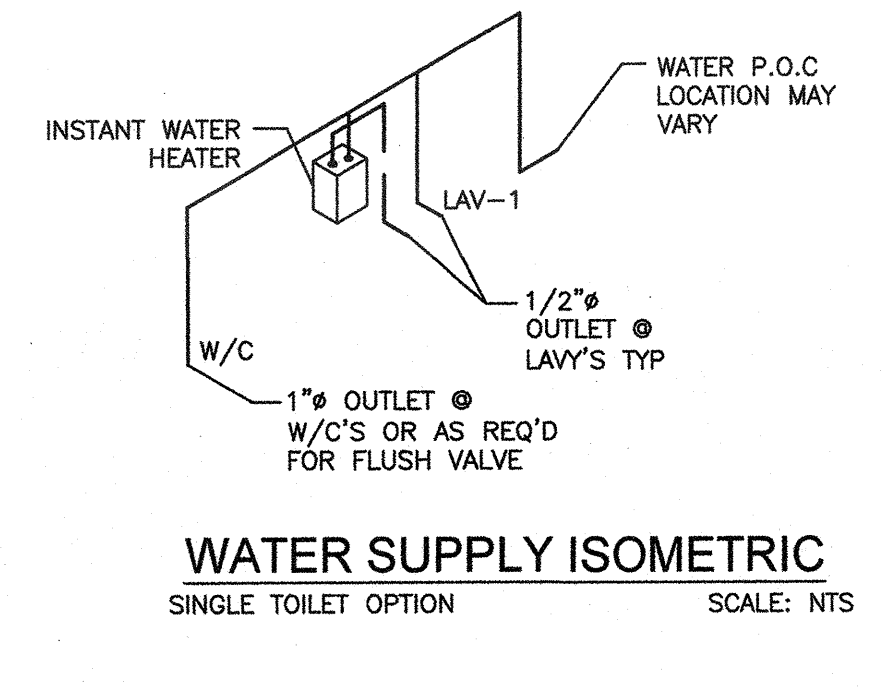
WATER SUPPLY ISOMETRIC
 BOYS & GIRLS SCALE: NTS



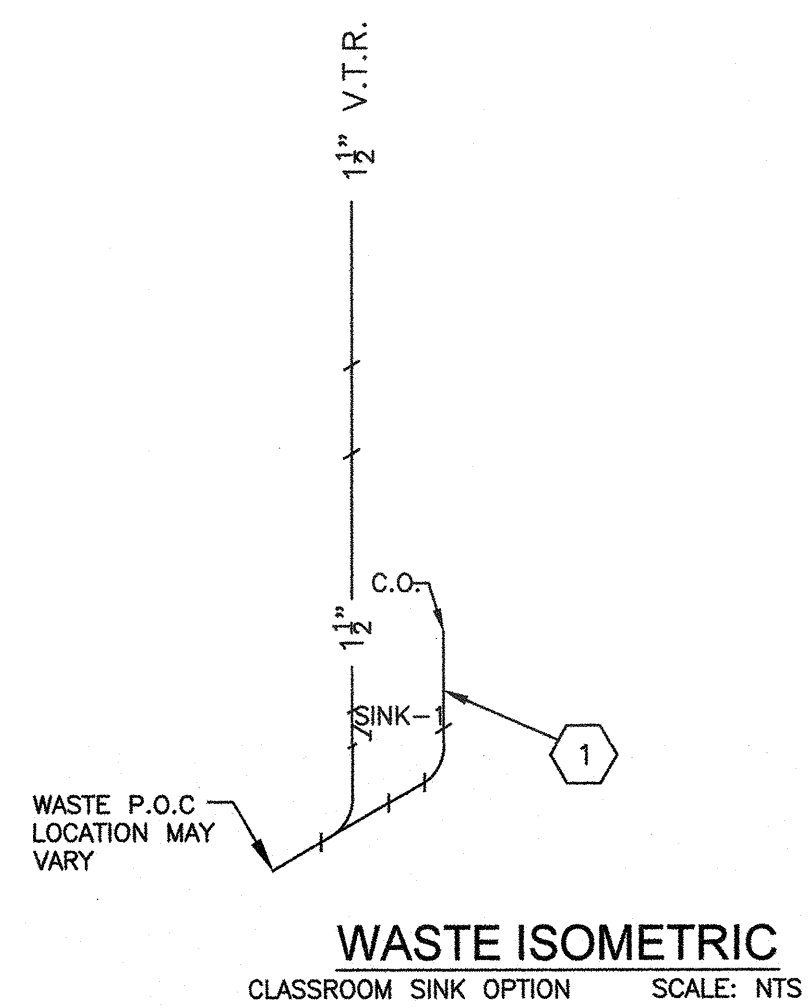
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 BOYS, GIRLS & STAFF SCALE: NTS



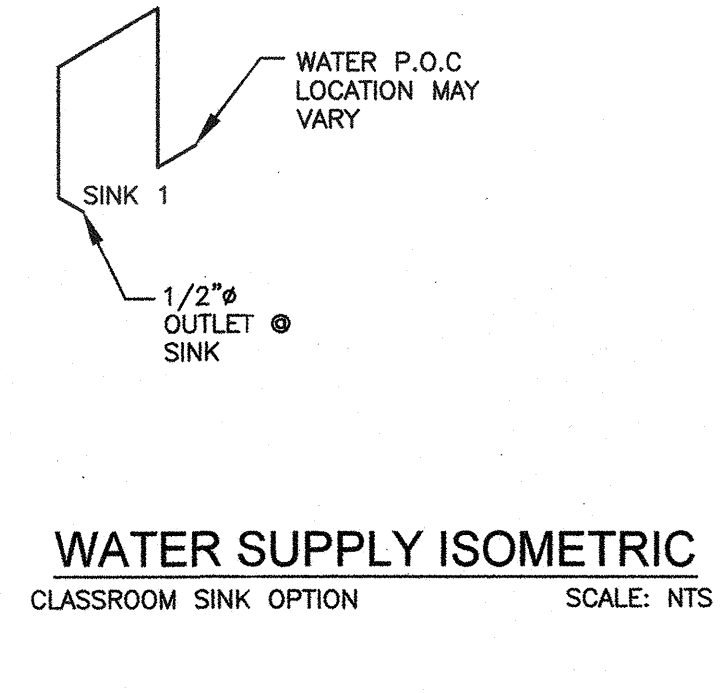
WASTE ISOMETRIC
 SINGLE TOILET OPTION SCALE: NTS



WATER SUPPLY ISOMETRIC
 SINGLE TOILET OPTION SCALE: NTS



WASTE ISOMETRIC
 CLASSROOM SINK OPTION SCALE: NTS



WATER SUPPLY ISOMETRIC
 CLASSROOM SINK OPTION SCALE: NTS

KEY NOTES

1	4" CLEAN OUT
2	VENT 90
3	VENT CROSS
4	4" QUARTER BEND
5	SMITH#0600 CARRIER
6	2" SANITARY TAP TEE
7	4x4x2 COMBINATION WYE 1/8 BEND
8	2x2x1 1/2 SANITARY TEE
9	4" DOUBLE COMBINATION
10	WATER HAMMER ARRESTOR
11	1" CW STUB AT WATER CLOSETS
12	3/4" CW STUB AT URINALS
13	1/2 CW STUB AT LAVATORIES