

# CAPE CHARTER SCHOOL

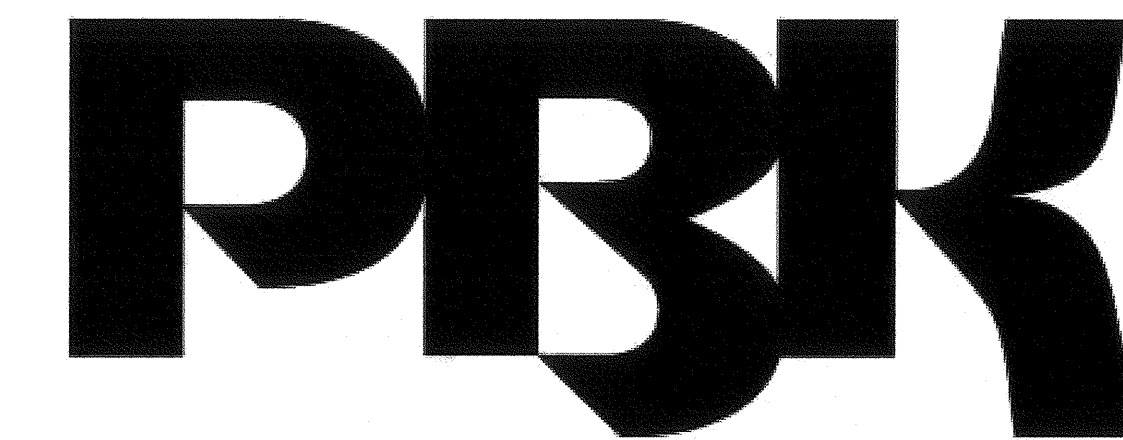
## NEW PORTABLE CLASSROOM BUILDING

### 777 AILEEN ST.

## ISSUANCE

OCTOBER 1, 2019

DSA OTC SUBMITTAL



IDENTIFICATION STAMP  
DIV. OF THE STATE ARCHITECT  
APPROX 1/30/2019  
AC YV PLS SEE SS BY  
DATE OCT 01 2019  
90 SHEETS TOTAL  
+ SPECS. + DSA 103

**ARCHITECT**  
PBK Architects, Inc.  
2751 Park View Court, Suite 251  
Oxnard, CA 93036  
p. (805) 947-3200

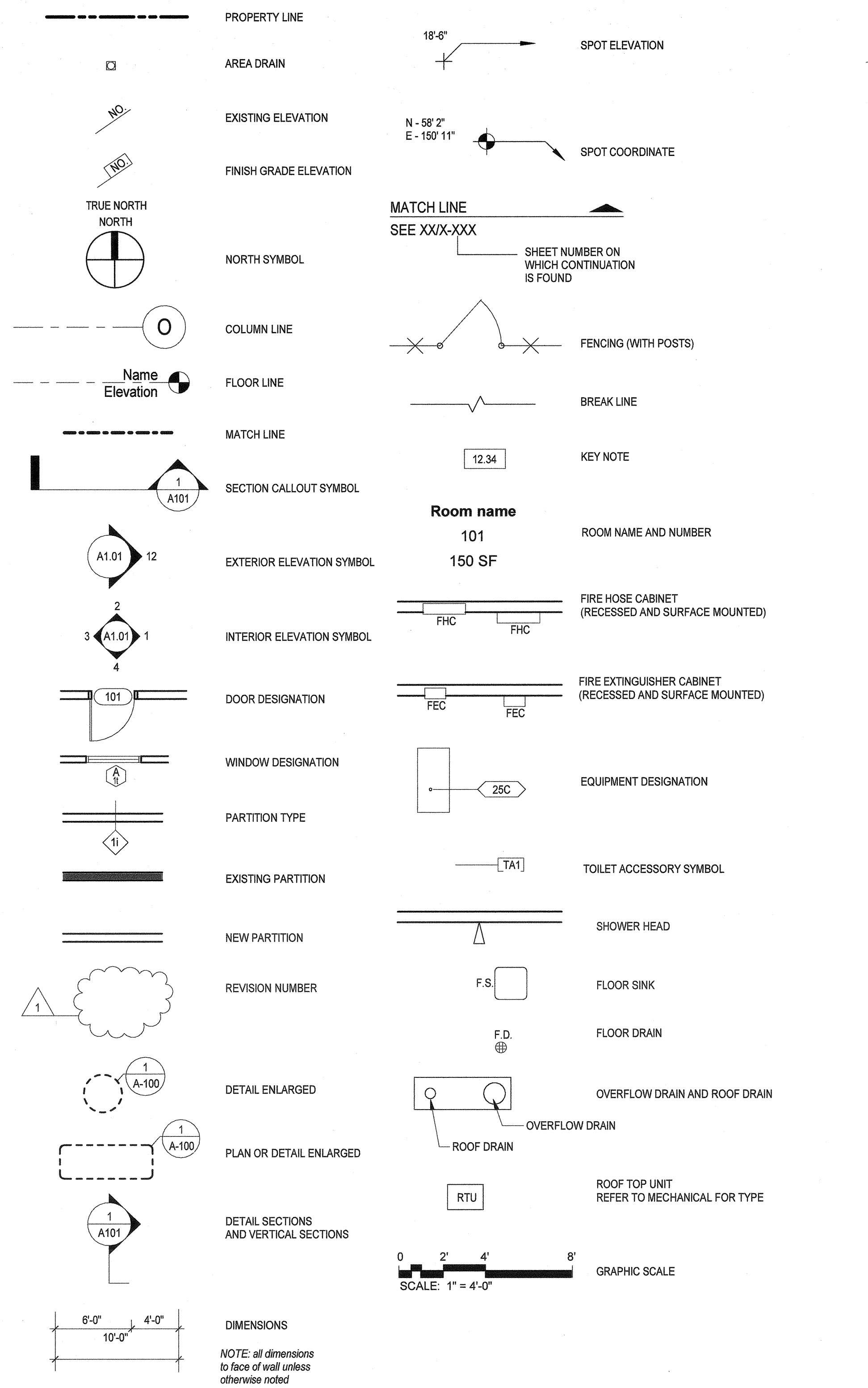
**LAND SURVEYOR**  
DRG, Inc.  
621 Via Alondra, Suite 609  
Camarillo, CA 93012  
p. (805) 987-3945  
f. (805) 987-1655

**CIVIL ENGINEER**  
Lewis Engineering  
1143 E. Main St.  
Ventura, CA 93001  
p. (805) 648-1353  
f. (805) 648-6721

**ELECTRICAL ENGINEER**  
Lucci & Associates  
3251 Corte Malpaso #511  
Camarillo, CA  
p. (805) 389-6520

**PLUMBING ENGINEER**  
AE Group Mechanical Engineers, Inc.  
838 East Front St.  
Ventura, CA 93001  
p. (805) 653-1722  
f. (805) 653-7260

DRAWING CONVENTIONS



ABBREVIATIONS

Table of abbreviations for architectural and engineering symbols, including A.D.A., A.F.F., A.H.J., A.C., A.C.P., A.C.T., A.D.J., A.L.T., A.L.U.M., A.S.P.H., A.N.G.L.E., B.U.R., B.D., B.L.D.G., B.L.K., B.M., C., C.J., C.M.U., C.W., C.A.B., C.A.B.T., C.F.M.F., C.L., C.L.R., C.L.G., C.O.L., C.O.M.P., C.O.N.C., C.O.N.D., C.O.R.R., C.P.T., C.T., C.T.G., C.T.S.K., D., D.F., D.P., D.S., D.I.A., D.I.M., D.I.T., D.W.G., E.J., E.Q., E.A., E.D.F., E.L., E.L.E.C.T., E.L.E.V.

STATEMENT OF GENERAL CONFORMANCE

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

The drawings or sheets listed on the cover or index sheet (see 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.

The Statement of General Conformance "shall not be construed as relieving me of my rights, duties, and responsibilities under Sections 17302 and 81138 of the Education Code and Sections 4-336, 4-341 and 4-344" of Title 24, Part 1, (Title 24, Part 1, Section 4-317 (b))

Signature and date block for Hal Hart, dated 10/01/2019, certifying the drawings or sheets listed on the cover or index sheet.

DRAWING INDEX

Table of drawing index items including GENERAL, CIVIL, DEMOLITION, ARCHITECTURAL, ELECTRICAL, and PLUMBING sections with sheet numbers and descriptions.

DSA NOTES

- 1. ALL WORK SHALL CONFORM TO 2016 EDITION TITLE 24, CALIFORNIA CODE OF REGULATIONS (CCR) 2. NOT IN USE 3. NOT IN USE 4. CHANGE TO THE APPROVED DRAWINGS AND SPECIFICATIONS SHALL BE MADE ADDENDA OR CONSTRUCTION CHANGE DOCUMENT (CCD) APPROVED BY DSA, AS REQUIRED BY SECTION 4-338, PART 1, TITLE 24, CCR. 5. A "DSA CERTIFIED" CLASS 3 PROJECT INSPECTOR AND A RELOCATABLE BUILDING IN-PLANT INSPECTOR EMPLOYED BY THE DISTRICT (OWNER) AND APPROVED BY DSA SHALL PROVIDE CONTINUOUS INSPECTION OF THE WORK. THE DUTIES OF THE INSPECTOR ARE DEFINED IN SECTION 4-342, PART 1, TITLE 24, CCR. 6. A DSA ACCEPTED TESTING LABORATORY DIRECTLY EMPLOYED BY THE DISTRICT (OWNER) SHALL CONDUCT ALL THE REQUIRED TESTS AND INSPECTIONS FOR THE PROJECT. 7. THE INTENT OF THESE DRAWINGS AND SPECIFICATIONS IS THAT THE WORK OF THE ALTERATION, REHABILITATION OR RECONSTRUCTION IS TO BE IN ACCORDANCE WITH TITLE 24, CCR. SHOULD ANY EXISTING CONDITIONS SUCH AS DETERIORATION OR NON-COMPLYING CONSTRUCTION BE DISCOVERED WHICH IS NOT COVERED BY THE CONTRACT DOCUMENTS WHEREIN THE FINISHED WORK WILL NOT COMPLY WITH TITLE 24, CCR, A CONSTRUCTION CHANGE DOCUMENT (CCD), OR A SEPARATE SET OF PLANS AND SPECIFICATIONS, DETAILING AND SPECIFYING THE REQUIRED WORK SHALL BE SUBMITTED TO AND APPROVED BY DSA BEFORE PROCEEDING WITH THE WORK. (SECTION 4-317 (c), PART 1, TITLE 24, CCR). 8. GRADING PLANS, DRAINAGE IMPROVEMENTS, ROAD AND ACCESS REQUIREMENTS AND ENVIRONMENTAL HEALTH CONSIDERATIONS SHALL COMPLY WITH ALL LOCAL ORDINANCES. 9. THE PROJECT 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 19172. 10. THE FOLLOWING DOCUMENTS SHALL BE ON THE JOBSITE PRIOR TO INSTALLATION OF THE UNITS: A) IN-PLANT VERIFIED REPORT B) LABORATORY VERIFIED REPORT C) WELDING VERIFIED REPORT THE SITE INSPECTOR SHALL VERIFY THE ABOVE DOCUMENTS AND SERIAL NUMBERS ARE APPLICABLE TO EACH UNIT PRIOR TO INSTALLATION OF THE UNITS. NOTIFY ARCHITECT AND THE DIVISION OF THE STATE ARCHITECT FIELD ENGINEER IF ANY DISCREPANCIES OCCUR. 11. IN-PLANT INSPECTOR AND MANUFACTURER SHALL FOLLOW THE REQUIREMENTS OF DSA 19172-1.13 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 SUPPLIER'S NAME. 3) THE SERIAL NUMBER. 4) THE DESIGN CLIMATE ZONES. 5) THE DESIGN LIVE LOADS FOR THE ROOF AND FLOOR. 6) THE DESIGN WIND SPEED AND EXPOSURE CATEGORY. 7) THE SEISMIC DESIGN PARAMETER SS. 12. NO DEMOLITION SHALL BEGIN UNTIL PLANS INCLUDING THE DEMOLITION WORK HAVE BEEN APPROVED BY DSA. 13. A DSA-CERTIFIED CLASS 3 AND RELOCATABLE BUILDING IN-PLANT PROJECT INSPECTOR IS REQUIRED FOR THIS PROJECT.

SCOPE OF WORK

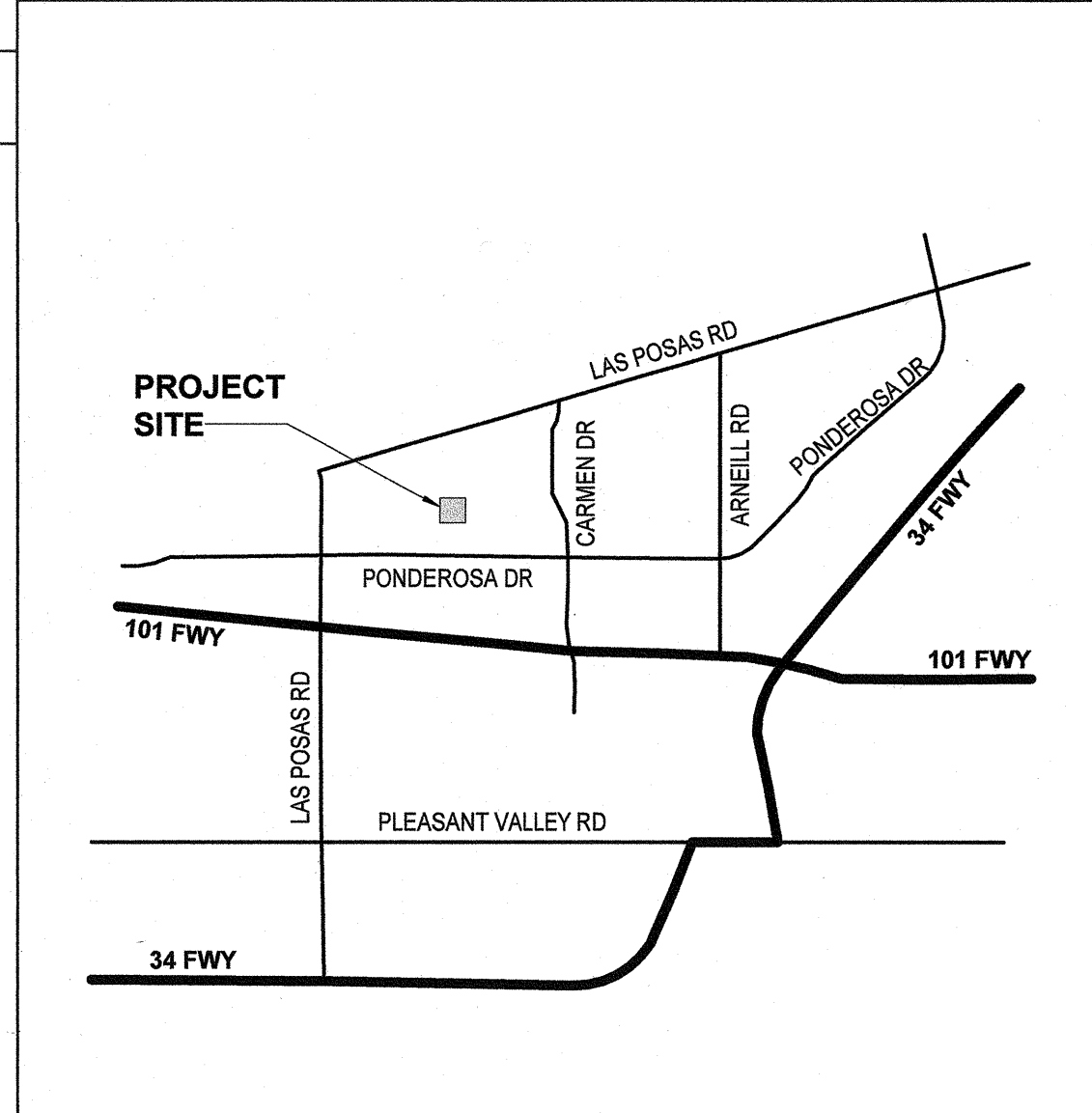
- 1. CONSTRUCTION OF ONE (1) 40'X48' 2-CLASSROOM PORTABLE BUILDING ON NON-PERMANENT FOUNDATIONS. 2. UPGRADES TO THE (E) PATH OF TRAVEL AND GATE. 3. INSTALL NEW STAND ALONE FIRE ALARM PANEL AND NEW ANNUNCIATOR SYSTEM IN ADMINISTRATION BUILDING (BLDG 800).

PROJECT DATA

PROJECT ADDRESS: 777 ALLEN STREET CAMARILLO, CA 93010

DEFERRED APPROVAL ITEMS

VICINITY MAP



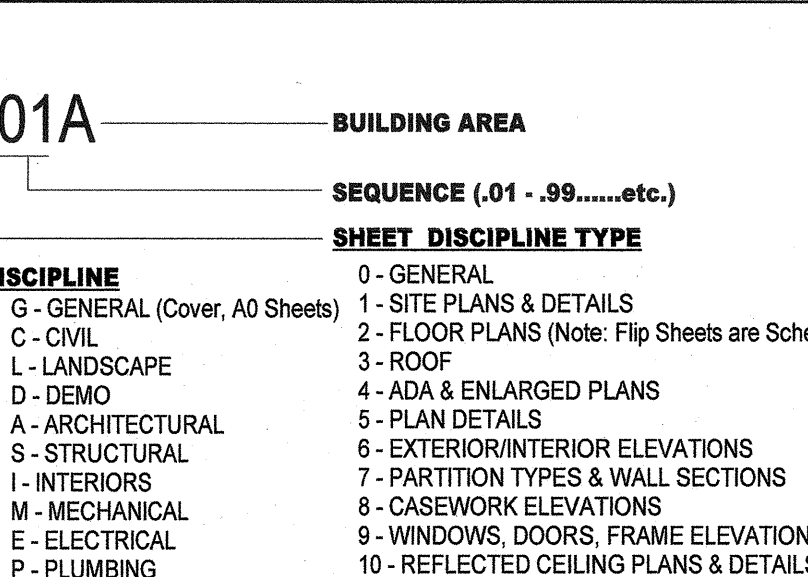
GENERAL NOTES

- 1. CONSTRUCTION DOCUMENTS DESCRIBE THE PRODUCTS, SYSTEMS, QUANTITIES, CONFIGURATION AND PERFORMANCE SPECIFICATIONS THAT DELIVER THE OVERALL DESIGN INTENT OF THE PROJECT. 2. THE CONSTRUCTION DOCUMENT DRAWINGS AND SPECIFICATIONS ARE COMPLEMENTARY, AND WHAT IS REQUIRED BY ONE SHALL BE AS BINDING AS IF REQUIRED BY BOTH. 3. PERFORMANCE BY THE CONSTRUCTION TEAM SHALL BE CONSISTENT WITH THE CONSTRUCTION DRAWINGS AND SPECIFICATIONS AS NECESSARY TO DELIVER THE INDICATED RESULTS OF THE DESIGN INTENT. 4. ALL MATERIALS AND WORKMANSHIP SHALL COMPLY WITH ALL GOVERNING CODES, ORDINANCES, REGULATIONS AND LAWS. 5. THE DESIGN ADEQUACY AND SAFETY OF ERECTION BRACING, SHORING, TEMPORARY SUPPORTS AND SCAFFOLDING IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR. 6. WHERE ANY CONFLICT OCCURS BETWEEN THE REQUIREMENTS OF LAWS, CODES, ORDINANCES, RULES AND REGULATIONS, THE MOST STRINGENT SHALL GOVERN. 7. ERUPT ALL MEASURES TO PROTECT AND SAFEGUARD ALL EXISTING ELEMENTS TO REMAIN FROM BEING DAMAGED, REPLACE OR REPAIR EXISTING ELEMENTS DAMAGED BY THE EXECUTION OF THIS CONTRACT TO EQUAL OR BETTER CONDITION. 8. VERIFY DIMENSIONS AND EXISTING CONDITIONS BEFORE COMMENCING WORK. REPORT DISCREPANCIES TO THE ARCHITECT PRIOR TO PROCEEDING WITH AFFECTED WORK. 9. DIMENSIONS NOTED AS "FIELD VERIFY" SHALL BE CHECKED AT THE SITE BY THE CONTRACTOR AND REVIEWED WITH THE ARCHITECT BEFORE INCORPORATING INTO THE WORK. 10. DO NOT SCALE DRAWING. WRITTEN DIMENSIONS TAKE PRECEDENCE, IF CLARIFICATION IS REQUIRED IN ORDER TO DETERMINE THE INTENT OF THE CONTRACT DOCUMENTS, CONTACT THE ARCHITECT. 11. NOTES OR DIMENSIONS LABELED "TYPICAL" SHALL APPLY TO SITUATIONS THAT ARE THE SAME OR SIMILAR. 12. ALL FLOORS FINISH CHANGES SHALL OCCUR AT THE CENTERLINE OF DOORS UNLESS NOTED OTHERWISE. ALL FLOOR FINISH CHANGES SHALL HAVE THRESHOLDS OR STRIPS. 13. COORDINATE HOUSEKEEPING PAD DIMENSIONS AND LOCATIONS WITH EQUIPMENT TO BE INSTALLED. 14. ALUM. THRESHOLDS TO BE SET IN FULL BED OF SEALANT AT ALL EXT. DOORS. 15. UNLESS OTHERWISE NOTED, ALL ELECTRICAL AND MECHANICAL OPERABLE DEVICES SHALL BE MOUNTED WITH THE HIGHEST OPERABLE CONTROL AT MAX. OF 42" AFF.

CODES & STANDARDS

Table of applicable codes and standards including 2016 California Building Code (CBC), 2016 California Electrical Code (CEC), 2016 California Mechanical Code (CMC), 2016 California Plumbing Code (CPC), 2016 California Fire Code (CFC), 2016 California Energy Code (CEC), 2016 California Fire Code (CFC), 2016 California Green Building Standards Code, 2016 California Reference Standards Code, 2013 ASME A17.1 Safety Code For Elevators and Escalators, NFPA 13 Automatic Fire Sprinkler Systems, NFPA 14 Standpipes and Hose Systems, NFPA 17 Dry Chemical Extinguishing Systems, NFPA 17A Wet Chemical Extinguishing Systems, NFPA 20 Stationary Pumps for Fire Protection, NFPA 22 Water Tanks for Private Fire Protection, NFPA 24 Private Fire Mains and Their Appurtenances, NFPA 25 Standard for Inspection, Testing and Maintenance of Water-Based Fire Protection Systems, NFPA 72 National Fire Alarm & Signaling Code, NFPA 80 Fire Doors and Other Opening Protectives, NFPA 88 Standard for Smoke Control Systems, NFPA 283 Critical Radiant Flux of Floor Covering Systems, NFPA 2001 Clean Agent Fire Extinguishing Systems, ICC 300 CC Standards on Bleachers, Folding and Telescoping Seating and Grandstands, UL 300 Fire Testing of Fire Extinguishing Systems for Protection of Restaurant Cooking Areas, UL 464 Audible Signal Appliances, UL 521 Heat Detectors for Fire Protective Signaling Systems.

SHEET NUMBERING



Right margin containing identification stamp, ARCHITECT PBK Architects, INC., LAND SURVEYOR, CIVIL, MECHANICAL, ELECTRICAL, PLUMBING, CAPE COMETS logo, KEY PLAN, Engineer, Architect, CLIENT CAPE CHARTER SCHOOL, SHEET INDEX, DRAWING CONVENTIONS, AND LOCATION MAP, and GO.01.

IDENTIFICATION STAMP  
DIV. OF THE STATE ARCHITECT

APPROVED 12 0 2 8 0

DATE 03 0 3 2019



ARCHITECT PBK Architects, Inc.  
VENTURA  
2751 Parkview Ct, Suite 251  
Oxnard, CA 93026  
805-947-3200 P  
805-853-4514 F

LAND SURVEYOR DRG. INC.  
621 VIA ALONDA, SUITE 609  
CARMARILLO, CA 93917  
925-987-2665 P 925-987-1800 F

CIVIL LEWIS ENGINEERING  
1140 E MAIN STREET  
VENTURA, CA 93003  
805-626-1330 P 805-626-0721 F

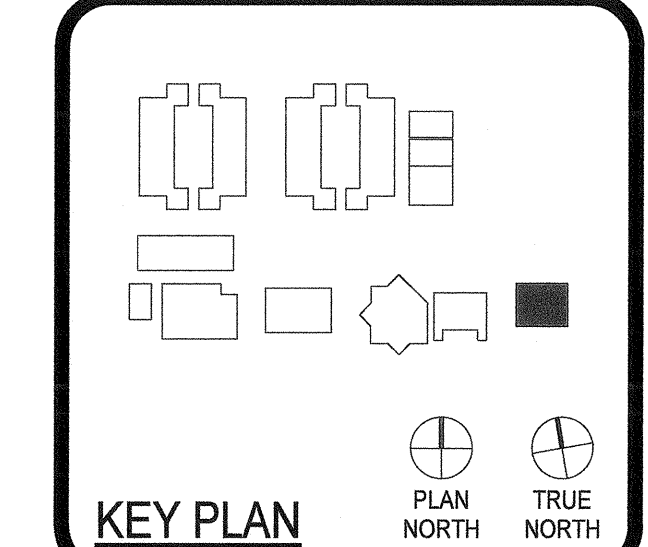
MECHANICAL AE GROUP MECHANICAL ENGINEERS, INC.  
808 EAST FRONT STREET  
VENTURA, CA 93001  
805-626-1330 P 805-626-0721 F

ELECTRICAL LUDLO & ASSOCIATED  
2201 CORTI MANCINI AVENUE  
CARMARILLO, CA 93917  
805-626-1330 P 805-626-0721 F

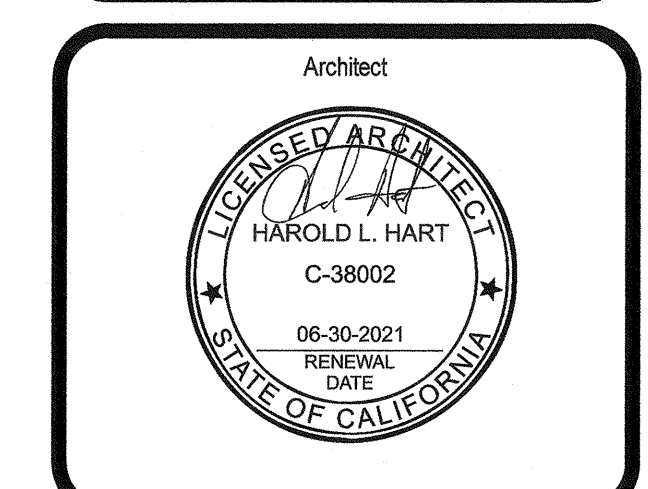
PLUMBING AE GROUP MECHANICAL ENGINEERS, INC.  
808 EAST FRONT STREET  
VENTURA, CA 93001  
805-626-1330 P 805-626-0721 F

NEW PORTABLE CLASSROOM BUILDING

777 Alhambra Street  
Camarillo, Ca 93010



Engineer



CLIENT  
CAPE CHARTER SCHOOL

PROJECT NUMBER  
19172

DATE  
10/01/2019

REVISIONS

No.	Description	Date
1	BACK CHECK - 1	10/03/2019

CODE SITE PLAN

G0.02

PATH OF TRAVEL

●●●●●●●● 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 PATH OF TRAVEL REQUIREMENTS FOR ALTERATIONS, ADDITIONS AND STRUCTURAL REPAIRS, AS PART OF THE DESIGN OF THIS PROJECT. THE POT WAS EXAMINED AND ANY ELEMENTS, COMPONENTS OR PORTIONS OF THE POT THAT WERE DETERMINED TO BE NONCOMPLIANT 1) HAVE BEEN IDENTIFIED AND 2) THE CORRECTIVE WORK NECESSARY TO BRING THEM INTO COMPLIANCE HAS BEEN INCLUDED WITHIN THE SCOPE OF THIS PROJECT'S WORK THROUGH DETAILS, DRAWINGS AND SPECIFICATIONS INCORPORATED INTO THESE CONSTRUCTION DOCUMENTS. ANY NONCOMPLIANT ELEMENTS, COMPONENTS OR PORTIONS OF THE POT THAT WILL NOT BE CORRECTED BY THIS PROJECT BASED ON VALUATION THRESHOLD LIMITATIONS OR A FINDING OF UNREASONABLE HARDSHIP ARE SO INDICATED IN THESE CONSTRUCTION DOCUMENTS. DURING CONSTRUCTION, IF POT ITEMS WITHIN THE SCOPE OF THE PROJECT REPRESENTED AS CODE COMPLIANT ARE FOUND TO BE NONCOMPLYING BEYOND REASONABLE CONSTRUCTION TOLERANCES, THEY SHALL BE BROUGHT INTO COMPLIANCE WITH THE CBC AS A PART OF THIS PROJECT BY MEANS OF A CONSTRUCTION CHANGE DOCUMENT.

ACCESSIBILITY LEGEND

- (E) BUILDING NOT IN SCOPE
- PROPOSED 40' X 40' PORTABLE BUILDING
- CAMPUS (E) EXIT

ACCESSIBILITY KEYED NOTES

#	Description
00.03	(N) ACCESSIBLE PARKING STALLS. THIS APPLICATION
00.04	DETECTABLE WARNING TRUNCATED DOMES
00.05	(N) ACCESSIBLE RAMP & LANDING
00.06	(E) ACCESSIBLE RESTROOMS PER DSA #03-102898
00.07	(N) DRINKING FOUNTAIN. THIS APPLICATION
00.08	(E) PUBLIC RIGHT OF WAY
00.09	(N) ACCESS AISLE
00.10	(N) ACCESSIBLE GATE
00.11	(N) UNISEX RESTROOM
00.12	(N) ACCESSIBLE CHAINLINK FENCE GATE. REFER DETAIL 5 ON A1.02 FOR MORE INFORMATION.

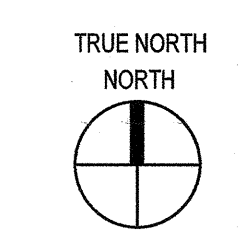
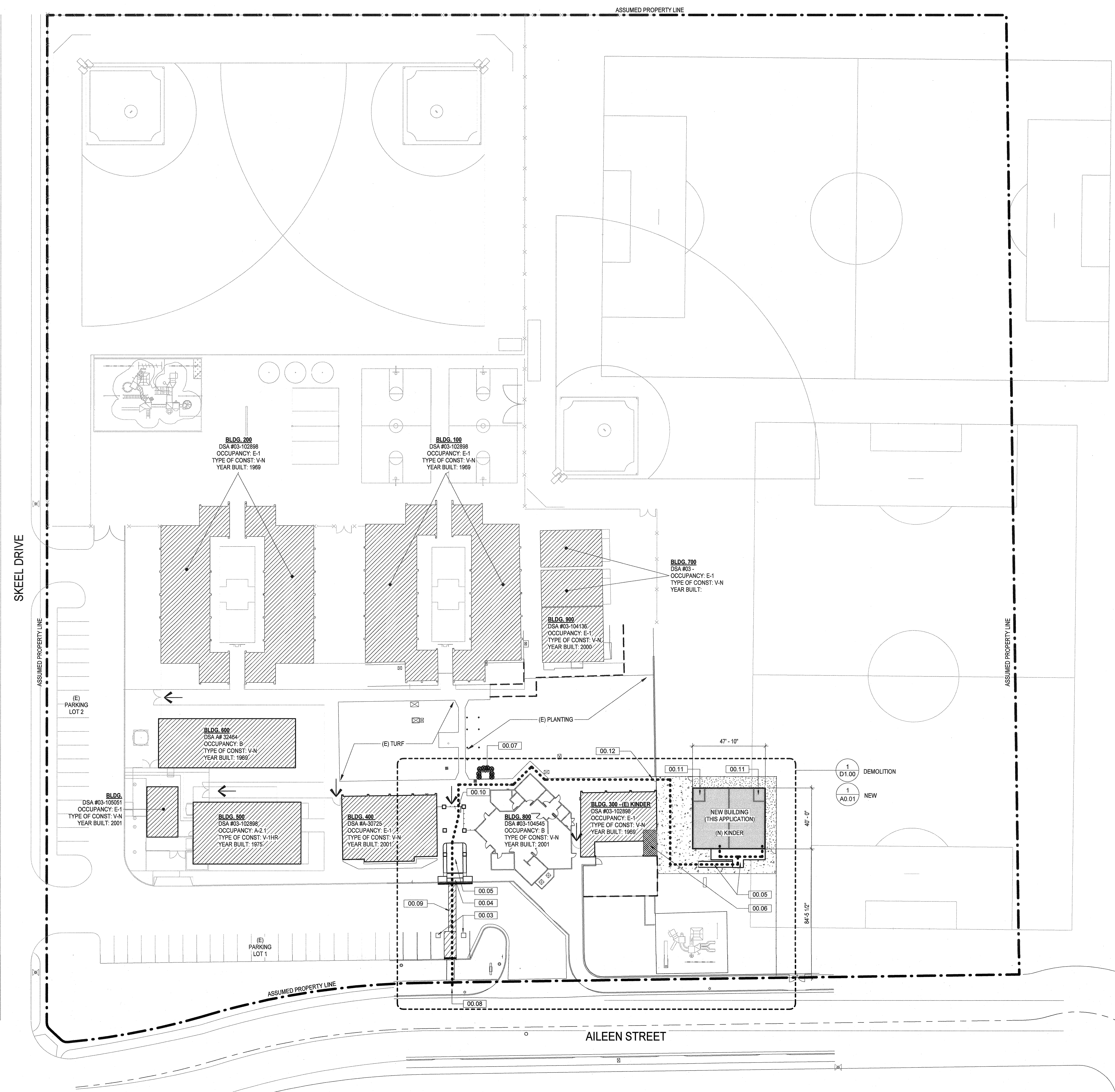
DSA CERTIFICATION LIST

1. THE FOLLOWING PROJECT... #03-105051 CLOSED WITH DSA CERTIFICATION LETTER #1 ON 05/03/2002
2. THE FOLLOWING PROJECT... #03-104136 CLOSED WITH DSA CERTIFICATION LETTER #1 ON 12/17/2001
3. THE FOLLOWING PROJECT... #03-102898 CLOSED WITH CERTIFICATION LETTER #2 & CLOSE OF FILE PER EDU ON 08/21/2019
4. THE FOLLOWING PROJECT... #03-104545 CLOSED WITHOUT CERTIFICATION LETTER #3 ON 11/25/2003

PARKING CALCULATION

(E) PARKING LOT 1 & 2:

STANDARD STALLS	42
VAN ACCESSIBLE STALLS	0
STD ACCESSIBLE STALLS	2
TOTAL P-LOT 1 STALLS	44
TOTAL STALLS ON SITE	44



1 SITE PLAN  
1" = 30'-0"

CHECKED BY: Checker

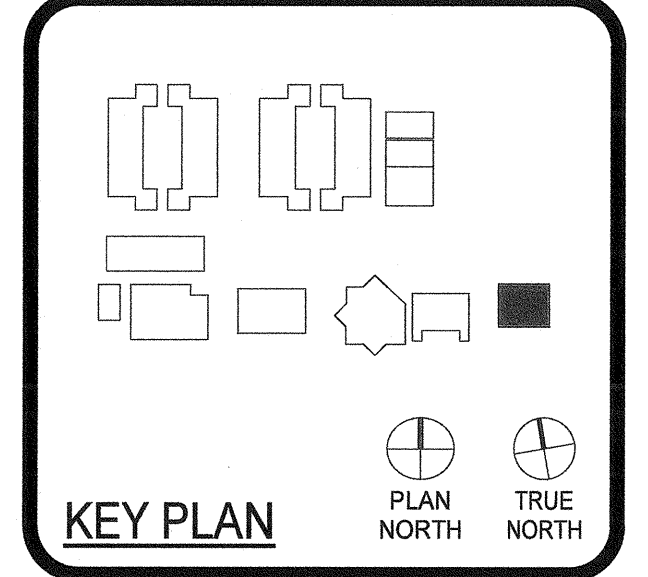
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IDENTIFICATION STAMP  
DIV. OF THE STATE ARCHITECT  
APPROX 120280  
AC BY FLS JHSS/ET  
DATE: OCT. 9, 2019

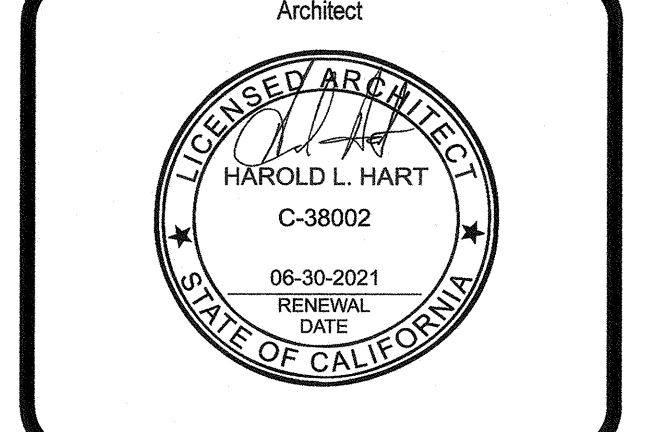


ARCHITECT	PBK Architects, Inc.
VENTURA	PBK.com
2751 Parkview Ct. Suite 251	
Ontario, CA 91706	
951-947-3200 P	
951-947-3200 F	
LAND SURVEYOR	DRG, INC.
821 VA ALONDA, SUITE 600	
CAMARILLO, CA 93012	
805-962-3855 P	805-962-1650 F
CIVIL	LEWIS ENGINEERING
1140 E. MAIN STREET	
VENTURA, CA 93001	
805-648-1381 P	805-648-0741 F
MECHANICAL	AE GROUP MECHANICAL ENGINEERS, INC.
838 EAST FRONT STREET	
VENTURA, CA 93001	
805-953-1772 P	805-953-2262 F
ELECTRICAL	LUCIO & ASSOCIATES
3251 CORTE BALVARADO #501	
CAMARILLO, CA 93012	
805-482-1100 P	805-482-1100 F
PLUMBING	AE GROUP MECHANICAL ENGINEERS, INC.
838 EAST FRONT STREET	
VENTURA, CA 93001	
805-953-1772 P	805-953-2262 F

NEW PORTABLE CLASSROOM BUILDING



Engineer



CLIENT		
CAPE CHARTER SCHOOL		
PROJECT NUMBER	19172	
DATE	10/01/2019	
REVISIONS		
No.	Description	Date
1	BACK CHECK - 1	10/03/2019

FIRE ACCESS SITE PLAN

**G0.03**

### FIRE ACCESS LEGEND

--- PROPERTY LINE

..... HOSE PULL DISTANCE: 150'-0" MAX.

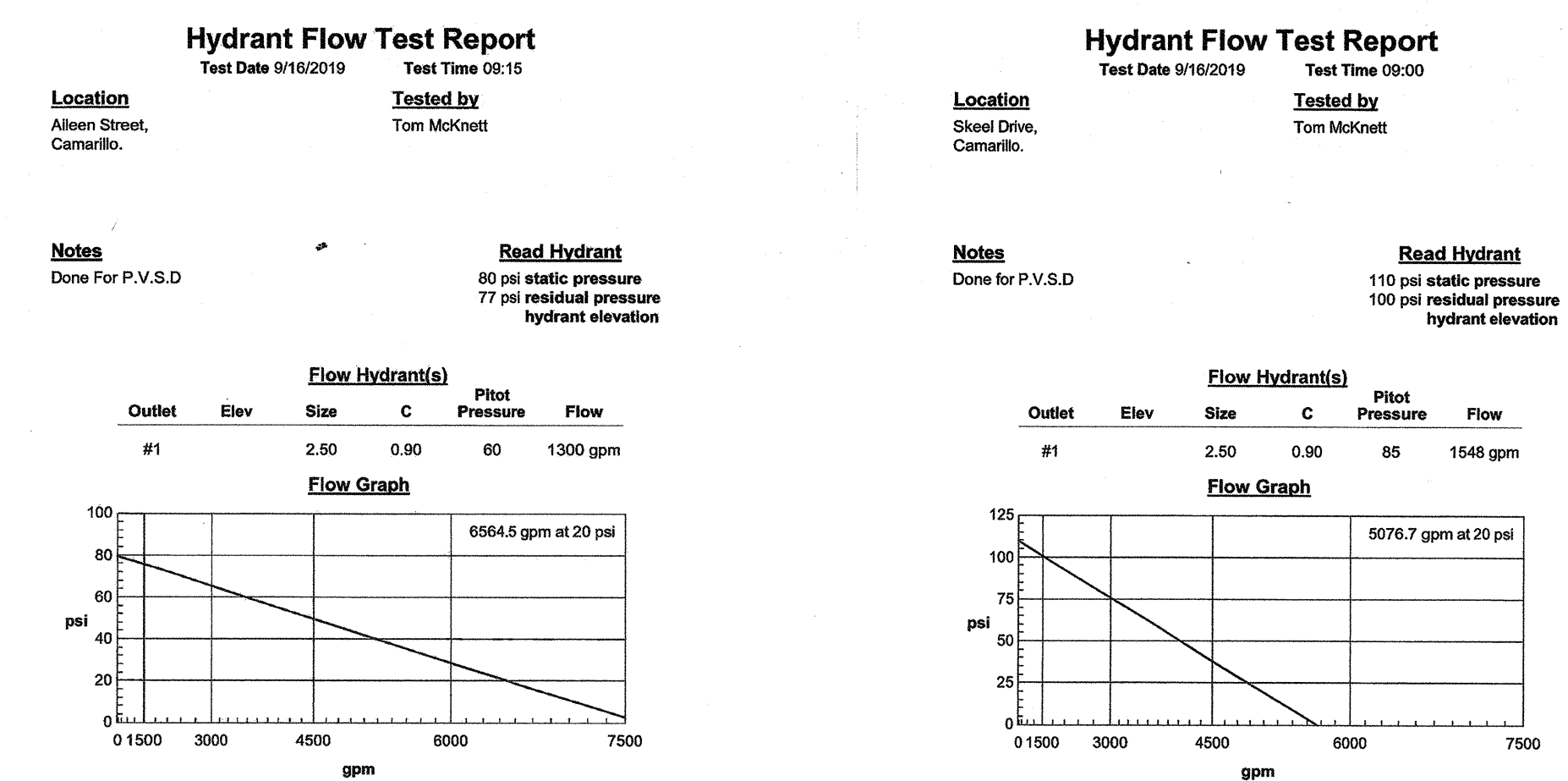
(E) BUILDING NOT IN SCOPE

PROPOSED PORTABLE BUILDING  
TYPE OF CONSTRUCTION: V-B

(E) FIRE ACCESS LANE, 20'-0" MINIMUM CLEAR WIDTH.

### FIRE ACCESS KEYED NOTES

#	Description
02.40	(E) FIRE HYDRANT. REFER TO 2/00.03 FOR FIRE FLOW TEST
02.41	(E) 20'-0" GATE
02.42	(E) 25'-0" GATE
02.43	(E) FIRE HYDRANT. REFER TO 3/00.03 FOR FIRE FLOW TEST
02.44	FIRE APPARATUS ACCESS ROAD TURN AROUND PER FIGURE D103.1 OF THE CFC 2016
02.45	MAXIMUM SPACING BETWEEN FIRE HYDRANTS PER TABLE C102.1 OF THE CFC 2016
02.46	(E) FIRE HYDRANT



③ FIRE FLOW TEST (AILEEN STREET) 12" = 1'-0"  
② FIRE FLOW TEST (SKEEL DRIVE) 12" = 1'-0"

## ADSA 810 FIRE & LIFE SAFETY SITE CONDITIONS SUBMITTAL

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 building(s), additions to existing buildings, and for site alternate design means for fire 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. Acknowledgement 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:	CAPE Charter School
Project Name/School:	CAPE Charter School - New Portable Classroom Building
Project Address:	777 Aileen St., Camarillo, CA 93010

#### FIRE & LIFE SAFETY INFORMATION

1. Has a fire hydrant flow test been performed within the past 12 months? (If yes, provide a copy of the test data.)	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
2. Was the fire hydrant water flow test performed as part of this LFA review?	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>
3. Is the project located within a designated fire hazard severity zone as established by Cal-Fire? (If yes, indicate fire hazard zone classification below)	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>
Refer to the following for fire hazard zone locations: <a href="#">www.fire.ca.gov/fire_prevention/fire_prevention_wildland_zones_maps</a>	Moderate <input type="checkbox"/>	High <input type="checkbox"/>
Wildland Interface Area (WIFA) (If any designations are checked, project design must meet the requirements of CBC Chapter 7A.)	WIFA <input type="checkbox"/>	

#### CONDITION MEANS AND METHODS RESOLUTION

	ALTERNATE ACCEPTED			
	Yes	No	N/A	NR
4. Emergency vehicle access roadways do not meet CFC requirements.				X
4a. <b>Acceptable Alternate:</b> Emergency vehicle and personnel access as proposed by the project architect is acceptable for providing fire suppression and protection of life and property.	X			
5. <b>Fire Hydrants:</b> Number and spacing does not meet CFC requirements.			X	
5a. <b>Acceptable Alternate:</b> Number of fire hydrants and spacing as proposed by the project architect is acceptable for fire suppression and protection of life and property.	X			
6. <b>Fire Hydrants:</b> Water flow and pressure are less than CFC minimum.			X	
6a. <b>Acceptable Alternate:</b> The available flow and pressure is acceptable for providing fire suppression and protection of life and property.	X			
7. Location of fire department connection(s) serving fire sprinkler systems or standpipe systems does not meet CFC requirements.				X
7a. <b>Acceptable Alternate:</b> The location of fire department connection serving the fire sprinkler system and/or standpipe system is acceptable for providing fire suppression and protection of life and property.				

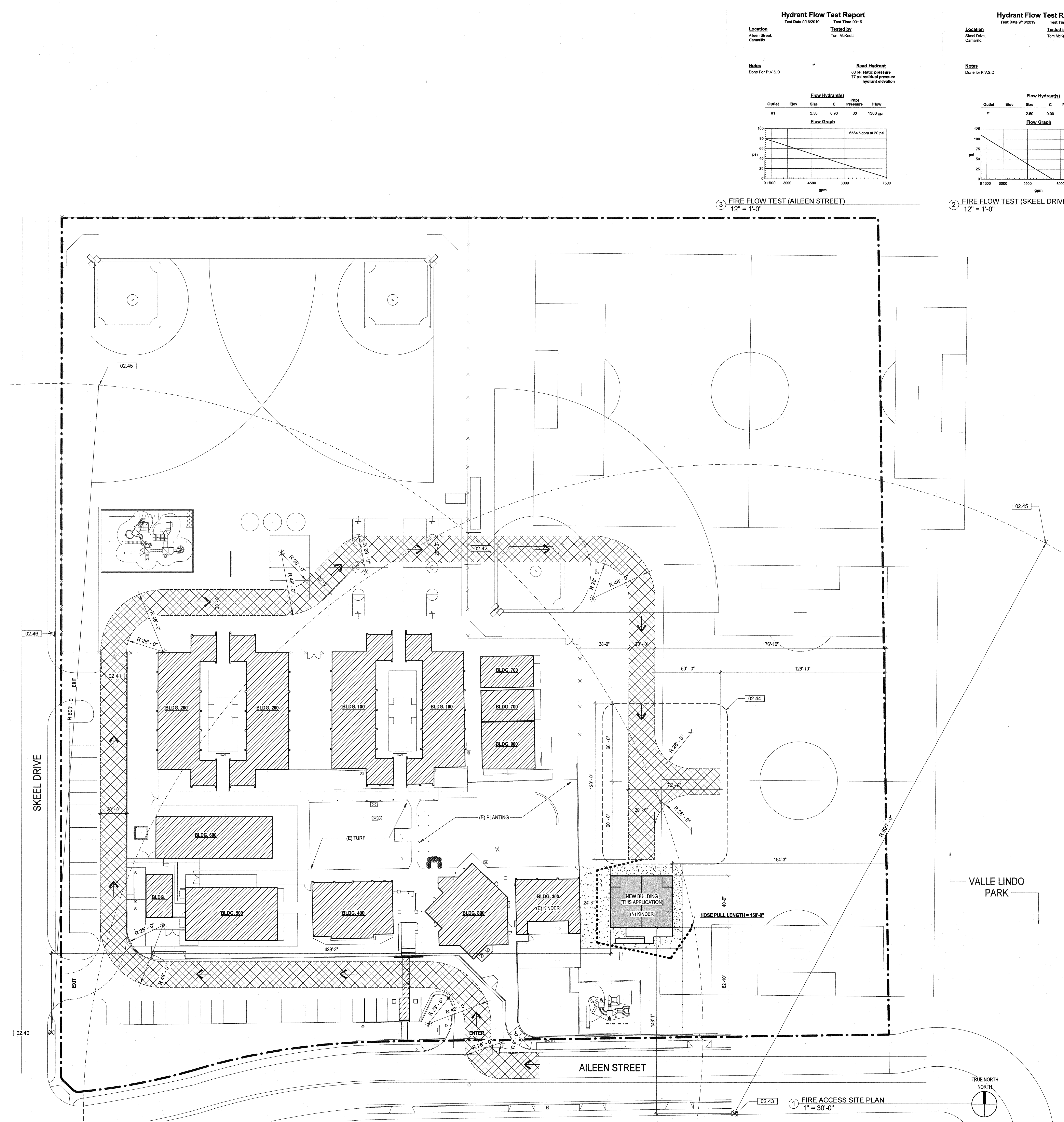
### DSA 810 FIRE & LIFE SAFETY SITE CONDITIONS SUBMITTAL

**School District Acceptance of Acceptable Design Alternates**  
By signing this form, the school district acknowledges and accepts the proposed design as an alternative to California Building Code (CBC) and California Fire Code (CFC) minimum requirements, as indicated by one or more of the conditions indicated at items 4a, 5a, 6a or 7a, for providing fire and life safety protection of life and property.

Accepted by: DOREEN E. LEARNEY Director of Ops  
Signature: [Signature] Date: 10/1/19

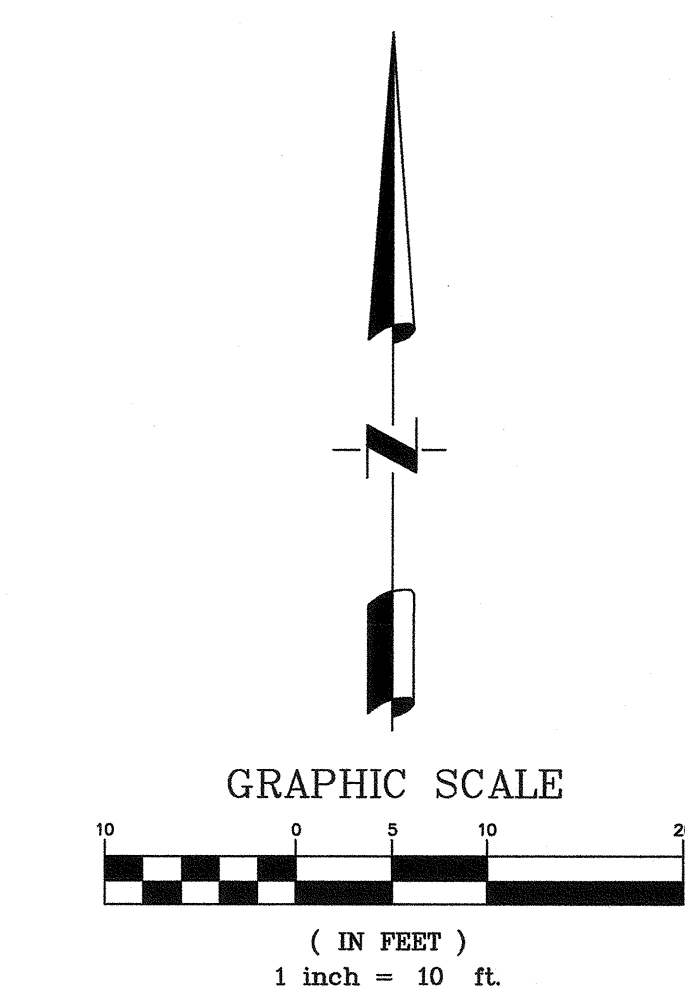
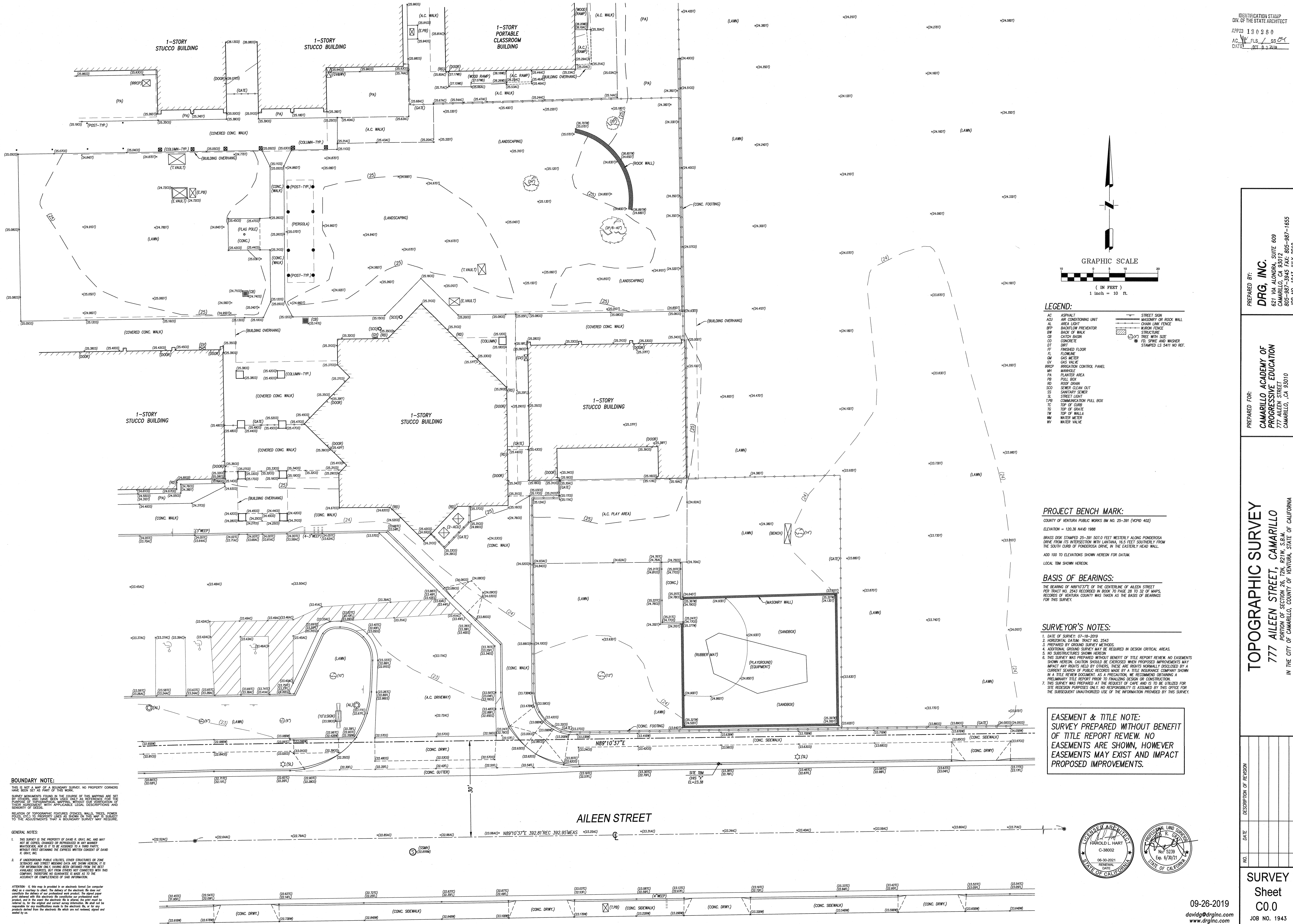
#### LOCAL FIRE AUTHORITY (LFA) INFORMATION

LFA Agency Name:	Ventura County Fire Department
LFA Review Official:	[Signature]
Title:	Fire Chief
Work E-mail:	Rubel.Lindo@ventura.org



CHECKED BY: CS

DRAWN BY: CS



**LEGEND:**

AC	ASPHALT	ST	STREET SIGN
ACU	AIR CONDITIONING UNIT	SW	MASONRY OR ROCK WALL
AL	AREA LIGHT	TL	CHAIN LINK FENCE
AP	BACKFLOW PREVENTOR	TR	STRUCTURE
BW	BACK OF WALK	TR	W/IRON FENCE
CB	CATCH BASIN	TR	W/CONCRETE
CD	CONCRETE	TR	TR
DT	DIRT	TR	TR
FF	FINISHED FLOOR	TR	TR
FL	FLOORING	TR	TR
FM	FLOORING	TR	TR
GM	GAS METER	TR	TR
GV	GAS VALVE	TR	TR
HP	IRRIGATION CONTROL PANEL	TR	TR
IR	IRRIGATION	TR	TR
PA	PLANTER AREA	TR	TR
PB	PULL BOX	TR	TR
RD	ROOF DRAIN	TR	TR
SC	SEWER CLEAN OUT	TR	TR
SS	SANITARY SEWER	TR	TR
SL	STREET LIGHT	TR	TR
SP	COMMUNICATION PULL BOX	TR	TR
TC	TOP OF CURB	TR	TR
TO	TOP OF GRADE	TR	TR
TR	TOP OF WALL	TR	TR
WV	WATER METER	TR	TR
WM	WATER WALK	TR	TR

**PROJECT BENCH MARK:**  
 COUNTY OF VENTURA PUBLIC WORKS BM NO. 25-391 (VCPD 402)  
 ELEVATION = 120.38 NAVD 1988  
 BRASS DISK STAMPED 25-391 50.0 FEET WESTERLY ALONG PONDEROSA DRIVE FROM ITS INTERSECTION WITH LANTANA, 16.5 FEET SOUTHERLY FROM THE SOUTH CURB OF PONDEROSA DRIVE, IN THE EASTERLY HEAD WALL.  
 ADD 100 TO ELEVATIONS SHOWN HEREON FOR DATUM.  
 LOCAL TBM SHOWN HEREON.

**BASIS OF BEARINGS:**  
 THE BEARING OF N89°10'37"E OF THE CENTERLINE OF ALEEN STREET PER TRACT NO. 2543 RECORDED IN BOOK 70 PAGE 28 TO 32 OF MAPS RECORDS OF VENTURA COUNTY WAS TAKEN AS THE BASIS OF BEARINGS FOR THIS SURVEY.

- SURVEYOR'S NOTES:**
- DATE OF SURVEY: 07-18-2019
  - HORIZONTAL DATUM: TRACT NO. 2543
  - PREPARED BY: GROUND SURVEY METHODS
  - ADDITIONAL GROUND SURVEY MAY BE REQUIRED IN DESIGN CRITICAL AREAS.
  - NO SUBSTITUTIONS SHOWN HEREON.
  - THIS SURVEY WAS PREPARED WITHOUT BENEFIT OF TITLE REPORT REVIEW. NO EASEMENTS SHOWN HEREON. CAUTION SHOULD BE EXERCISED WHEN PROPOSED IMPROVEMENTS MAY IMPACT ANY RIGHTS HELD BY OTHERS. THESE ARE RIGHTS NORMALLY DISCLOSED BY A CURRENT SEARCH OF PUBLIC RECORDS MADE BY A TITLE INSURANCE COMPANY SHOWN IN A TITLE REPORT DOCUMENT. AS A PRECAUTION, WE RECOMMEND OBTAINING A PRELIMINARY TITLE REPORT PRIOR TO FINALIZING DESIGN OR CONSTRUCTION.
  - THIS SURVEY WAS PREPARED AT THE REQUEST OF CAPE AND IS TO BE UTILIZED FOR SITE REDESIGN PURPOSES ONLY. NO RESPONSIBILITY IS ASSUMED BY THIS OFFICE FOR THE SUBSEQUENT UNAUTHORIZED USE OF THE INFORMATION PROVIDED BY THIS SURVEY.

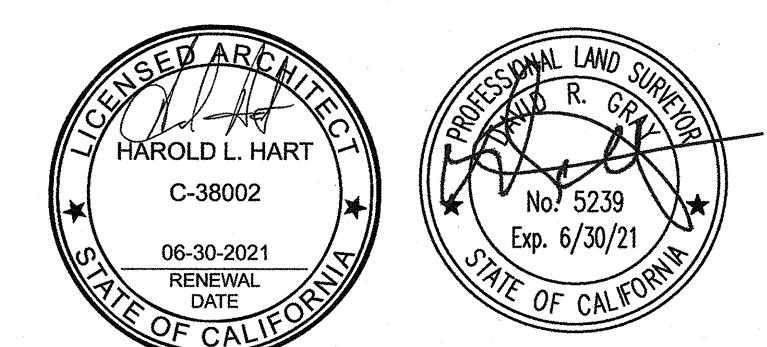
**EASEMENT & TITLE NOTE:**  
 SURVEY PREPARED WITHOUT BENEFIT OF TITLE REPORT REVIEW. NO EASEMENTS ARE SHOWN, HOWEVER EASEMENTS MAY EXIST AND IMPACT PROPOSED IMPROVEMENTS.

**BOUNDARY NOTE:**  
 THIS IS NOT A MAP OF A BOUNDARY SURVEY. NO PROPERTY CORNERS HAVE BEEN SET AS PART OF THIS WORK.  
 SURVEY MONUMENTS FOUND IN THE COURSE OF THIS SURVEY ARE SET BY OTHERS AND HAVE BEEN USED ONLY AS REFERENCE FOR THE PURPOSES OF TOPOGRAPHIC MAPPING. WITHOUT CLEAR VERIFICATION OF POSITIVE POSSESSION WITH APPLICABLE LEGAL DESCRIPTIONS AND RELATION OF TOPOGRAPHIC FEATURES (FENCES, WALLS, TREES, POWER POLES, ETC.) TO PROPERTY LINES AS SHOWN ON THIS MAP IS SUBJECT TO THE ADJUSTMENTS THAT A BOUNDARY SURVEY MAY REQUIRE.

**GENERAL NOTES:**

- THIS SURVEY IS THE PROPERTY OF DAVID R. GRAY, INC. AND MAY NOT BE COPIED, CHANGED OR REPRODUCED IN ANY MANNER. WRITERSHIP FOR IT IS ASSIGNED TO A THIRD PARTY. WRITERSHIP FOR IT IS ASSIGNED TO A THIRD PARTY.
- IF UNDERGROUND PUBLIC UTILITIES, OTHER STRUCTURES OR ZONE SCHEMATA AND STREET MEASUREMENT DATA ARE SHOWN HEREON, IT IS FOR INFORMATION ONLY. SUCH DATA HAS BEEN OBTAINED FROM THE BEST AVAILABLE SOURCES, BUT FROM SOURCES NOT CONTROLLED BY THIS COMPANY. THEREFORE, NO GUARANTEE IS MADE AS TO THE ACCURACY OR COMPLETENESS OF SAID INFORMATION.

**ATTENTION:** If this map is printed in an electronic format (for computer disk) or a raster format, the delivery of the electronic file does not constitute the delivery of an original hard copy. The original hard copy shall be provided to the client. The electronic file shall be provided to the client in the most secure manner possible. The client shall be responsible for any modifications made to the electronic file, or for any errors or omissions in the electronic file which are not corrected, revised and sealed by us.



PREPARED BY:  
**DRG, INC.**  
 621 VIA ALONDRA, SUITE 609  
 CAMARILLO, CA 93012  
 805-987-3945 FAX: 805-987-1655  
 JOB NO. 1943 JULY 2019

**TOPOGRAPHIC SURVEY**  
 777 AILEEN STREET, CAMARILLO  
 PORTION OF SECTION 26, T2N, R21W, S.B.M.  
 IN THE CITY OF CAMARILLO, COUNTY OF VENTURA, STATE OF CALIFORNIA

NO.	DATE	DESCRIPTION OF REVISION

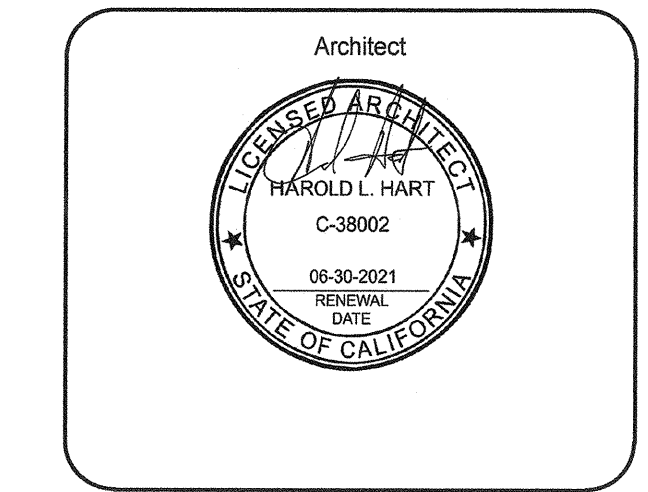
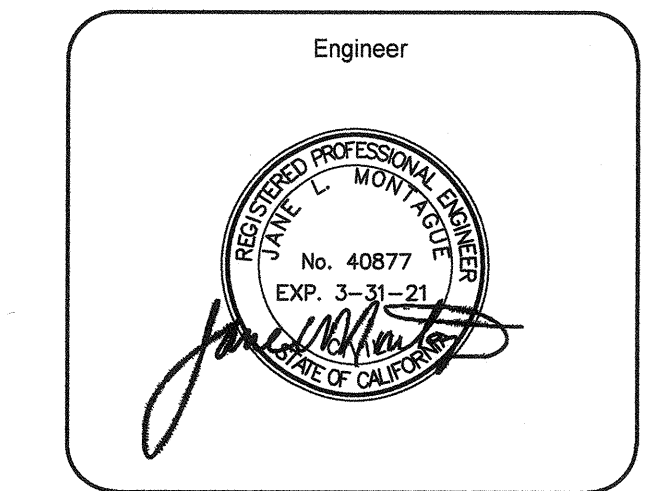
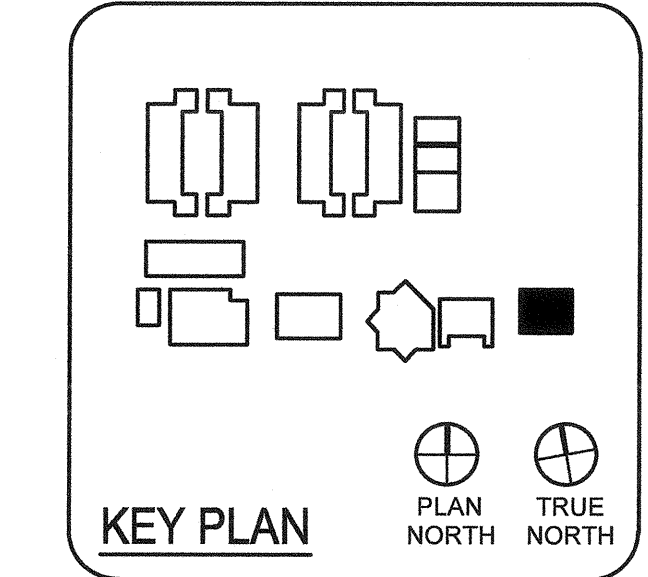


ARCHITECT	PBK Architects, Inc.
LAND SURVEYOR	DRG, INC.
CIVIL	LENN ENGINEERING
MECHANICAL	RE BEYER MECHANICAL ENGINEERS, INC.
ELECTRICAL	LUCCI ASSOCIATES
PLUMBING	RE BEYER MECHANICAL ENGINEERS, INC.

**NEW PORTABLE CLASSROOM BUILDING**

VENTURA  
2751 Parkview Ct, Suite 251  
Oxnard, CA 93036  
805-947-3200 P.  
805-853-4514 F

7777 Alhambra Street  
Camarillo, CA 93010



CLIENT	CAPE CHARTER SCHOOL	
PROJECT NUMBER	19172	
DATE	10-01-2019	
REVISIONS		
No.	Description	Date

**DEMOLITION PLAN**

**C1.0**

**CONSTRUCTION NOTES**

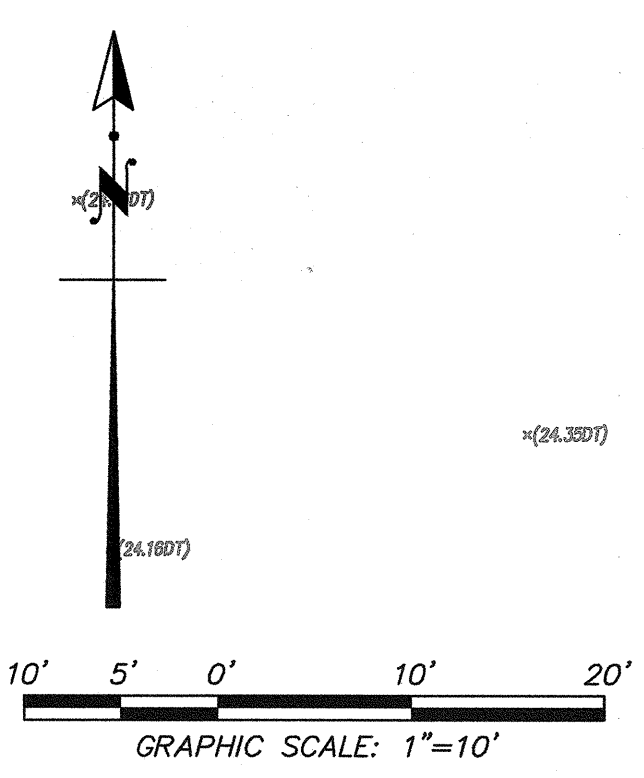
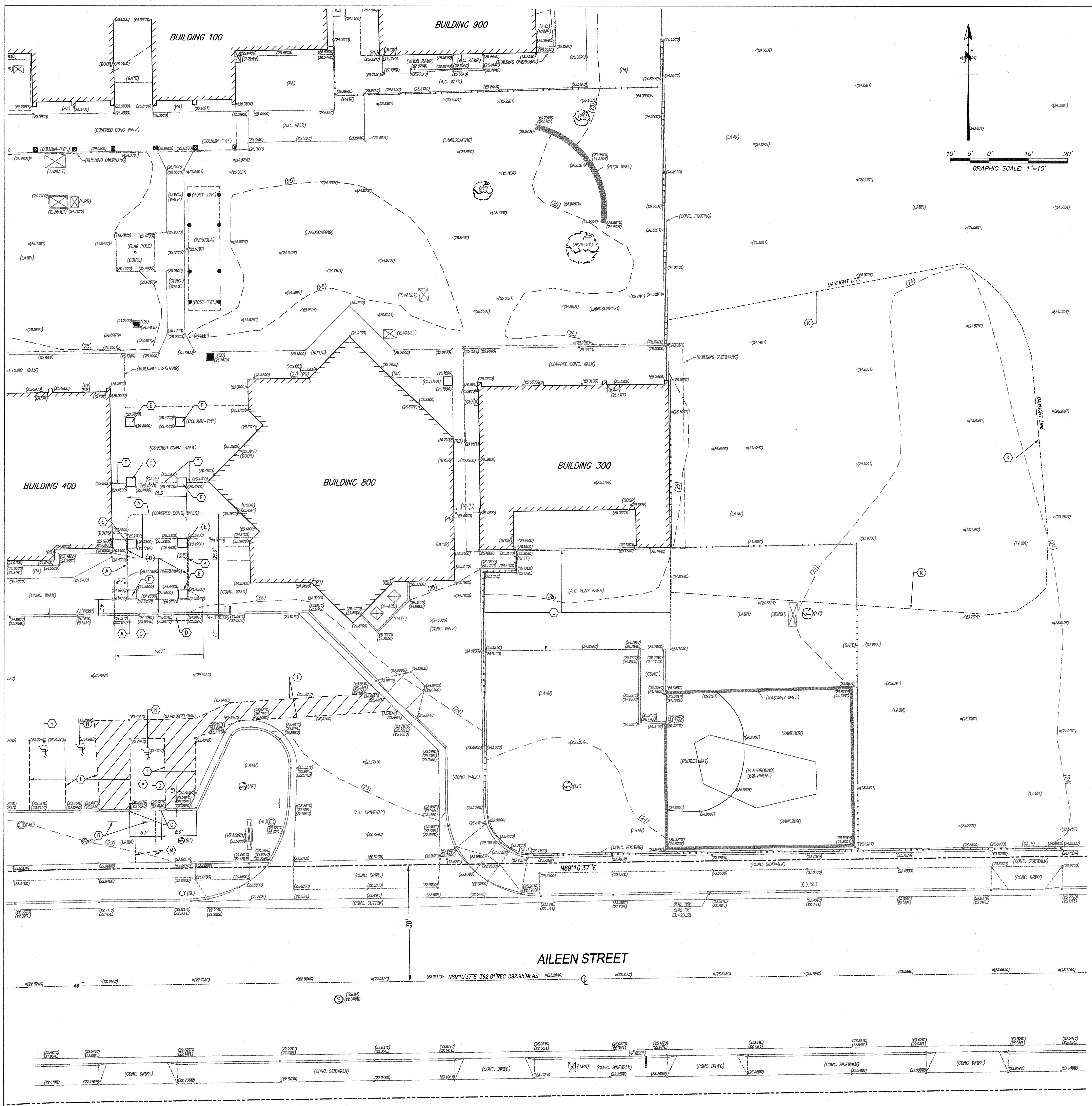
- (A) SAWCUT LINE
- (B) REMOVE EXISTING CONC. SIDEWALK
- (C) REMOVE EXISTING PORTION OF CONC. CURB
- (D) SAWCUT AND REMOVE EXISTING PORTION OF A.C. PAVEMENT AS SHOWN
- (E) PROTECT IN PLACE EXISTING COLUMN
- (F) REMOVE EXISTING IRON FENCE AND GATE IN ITS ENTIRETY. PATCH AND REPAIR TO MATCH EXISTING ADJACENT SURFACES. SEE DET. 1 SH1, A1.00
- (G) REMOVE EXISTING SIGN AND POST.
- (H) REMOVE EXISTING INTERNATIONAL SYMBOL OF ACCESSIBILITY ON AC PAVEMENT
- (I) REMOVE EXISTING BLUE PAINT STRIPING ON AC PAVEMENT
- (J) REMOVE EXISTING CHAIN LINK FENCE
- (K) LIMITS OF GRASS AND PLANT REMOVAL FOR GRADED AREA
- (L) ALTERNATE BID 1: REMOVE EXISTING AC PAVEMENT
- (M) REMOVE EXISTING GRASS AND PLANTS

**LEGEND/ABBREVIATIONS**

- FS = FINISH SURFACE
  - FG = FINISH GRADE
  - GF = GARAGE FLOOR
  - TW = TOP OF WALL
  - RET = RETAINING
  - INV = INVERT
  - FL = FLOWLINE
  - HP = HIGH POINT
  - POC = POINT OF CONNECTION
  - DN = DOWN
- FLOWLINE
  - CENTERLINE
  - - - PROPERTY LINE
  - - - EXISTING CHAIN LINK FENCE
  - - - NEW CHAIN LINK FENCE

**GENERAL NOTES**

1. GRADING SHALL BE IN ACCORDANCE WITH THE CITY OF CAMARILLO GRADING ORDINANCE WHICH ADOPTS BY REFERENCE THE CALIFORNIA BUILDING CODE/2016 ED. (CBC), THE VENTURA COUNTY STANDARD LAND DEVELOPMENT SPECIFICATIONS (SLS), THE LAND DEVELOPMENT MANUAL (LDM), AND THE MOST RECENT EDITION OF THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION (SPWC) AND LATEST SUPPLEMENT.
2. A PRECONSTRUCTION CONFERENCE OF ALL INTERESTED PARTIES SHALL BE HELD PRIOR TO ANY CONSTRUCTION OR GRADING TO ANSWER ANY QUESTIONS OR TO CLARIFY ANY PORTION OF THESE PLANS.
3. CONTRACTOR SHALL EMPLOY ALL LABOR, EQUIPMENT AND METHODS REQUIRED TO PREVENT HIS OPERATIONS FROM PRODUCING DUST OR AMOUNTS DAMAGING TO ADJACENT PROPERTY, CULTIVATED VEGETATION AND DOMESTIC ANIMALS OR CAUSING A NUISANCE TO PERSONS OCCUPYING BUILDINGS IN THE VICINITY OF THE JOB SITE. CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE CAUSED BY DUST RESULTING FROM HIS GRADING OPERATIONS.
4. BEFORE BEGINNING WORK REQUIRED EXPORTING OR IMPORTING OF MATERIALS, THE CONTRACTOR SHALL OBTAIN APPROVAL FROM CITY OF CAMARILLO DEPARTMENT OF PUBLIC WORKS.
5. THE WORK SHALL UTILIZE THE BEST MANAGEMENT PRACTICES (BMP'S) FOR THE DISCHARGE OF STORM WATER RUNOFF FROM THE PROJECT IN COMPLIANCE WITH THE REQUIREMENTS OF THE VENTURA COUNTY NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) PERMIT.
6. ALL GRADED SURFACES SUBJECT TO EROSION SHALL BE PROTECTED AND EROSION CONTROL PLANTING SHALL BE ESTABLISHED AS APPROVED BY THE ENGINEER. STORM DAMAGE PREVENTION MEASURES OR PREVENTATIVE DEVICES REQUIRED BY THE ENGINEER SHALL BE INSTALLED AND FULLY FUNCTIONAL BY OCT. 1.
7. ALL DELETERIOUS MATERIAL, SUCH AS LUMBER, LOGS, BRUSH, OR ANY OTHER ORGANIC MATERIALS OR RUBBISH, SHALL BE REMOVED FROM ALL AREAS TO RECEIVE COMPACTED FILL.
8. AREA TO BE GRADED SHALL BE CLEARED OF ALL VEGETATION INCLUDING ROOTS AND OTHER UNSUITABLE MATERIAL FOR A STRUCTURAL FILL, THEN SCARRIFIED PRIOR TO PLACING OF ANY FILL.
9. A THOROUGH SEARCH SHALL BE MADE FOR ALL ABANDONED MAN-MADE FACILITIES SUCH AS SEPTIC TANK SYSTEM, FUEL OR WATER STORAGE TANKS, AND PIPELINES OR CONDUITS. ANY SUCH FACILITIES ENCOUNTERED SHALL BE REMOVED AND THE DEPRESSIONS PROPERLY FILLED AND COMPACTED.
10. FILL MATERIAL SHALL BE SPREAD IN LIFTS NOT EXCEEDING 8-INCHES IN COMPACTED THICKNESS, MOISTENED OR OILED AS NECESSARY TO REAT OPTIMUM MOISTURE CONTENT AND COMPACTED BY AN APPROVED METHOD. FILL MATERIAL SHALL BE COMPACTED TO A MINIMUM OF 90% MAXIMUM DENSITY.
11. SURFACE DRAINAGE SHALL NOT BE LESS THAN 1% EXCEPT FOR PAVED SURFACES. A MINIMUM OF 36" FOR TO TEST AWAY FROM THE FOUNDATION LINE OF ANY STRUCTURE IS REQUIRED.
12. NO TREES EXIST WITHIN PROJECT LIMITS.
13. EXISTING UTILITIES AND FACILITIES ABOVE AND BELOW THE GROUND ARE LOCATED FROM THE BEST AVAILABLE RECORD INFORMATION. THE CONTRACTOR SHALL TAKE DUE CAREFUL CAUTIONARY MEASURES TO PROTECT THE UTILITIES OR FACILITIES SHOWN ON THE PLANS FROM HARM. ATTENTION IS DIRECTED TO POSSIBLE EXISTENCE OF UNDERGROUND UTILITIES OR FACILITIES NOT KNOWN TO THE ENGINEER OR IN A LOCATION DIFFERENT FROM THAT WHICH IS SHOWN ON THE PLANS. THE CONTRACTOR SHALL TAKE STEPS TO ASCERTAIN THE EXACT LOCATION OF ALL UNDERGROUND UTILITIES AND FACILITIES BEFORE DOING WORK. IN ORDER TO AVOID DAMAGE OF SUCH UTILITIES OR FACILITIES, OR TO AVOID INTERFERING WITH THEIR SERVICE, THE CONTRACTOR SHALL CONTACT THE REGIONAL INFORMATION CENTER (UNDERGROUND SERVICE ALERT OF SOUTHERN CALIFORNIA AT 811) AT LEAST TWO (2) WORKING DAYS BEFORE STARTING ANY EXCAVATION, AND OBTAIN AN INQUIRY IDENTIFICATION NUMBER.
14. TOPOGRAPHY AND BOUNDARY SHOWN IS BASED ON FIELD SURVEY DATED JULY, 2019 BY DAVID CRAYT OF DRG INC.



CHECKED BY:

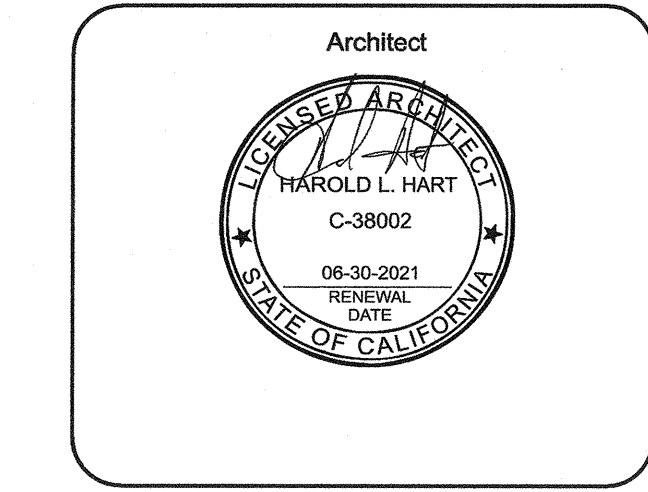
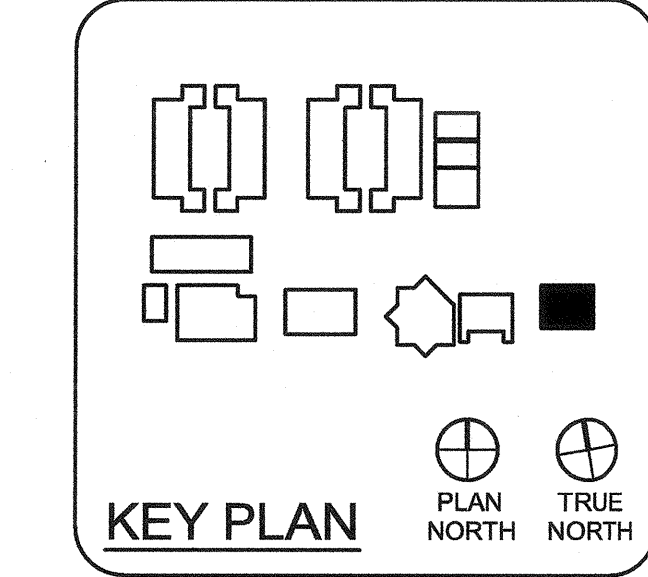
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IDENTIFICATION STAMP  
DIV. OF THE STATE ARCHITECT  
APPROV. 130280  
AC PLS / SS ET  
DATE OCT 13 2019



ARCHITECT PBK Architects, Inc.  
VENTURA  
2751 Parkview Ct, Suite 251  
Oxnard, CA 93056  
805-947-3200 P  
805-853-4514 F  
LAND SURVEYOR 621 VIA ALONDA, SUITE 600  
CARMARILLO, CA 92008  
905-687-3845 P 905-687-1658 F  
CIVIL 1142 E. MAIN STREET  
VENTURA, CA 93001  
905-648-1100 P 905-648-0214 F  
MECHANICAL AE GROUP MECHANICAL ENGINEERS, INC.  
838 EAST FRONT STREET  
VENTURA, CA 93001  
ELECTRICAL 855-663-1122 P 855-663-2282 F  
3251 COSTA MESA WAY, #600  
CARMARILLO, CA 92012  
PLUMBING AE GROUP MECHANICAL ENGINEERS, INC.  
838 EAST FRONT STREET  
VENTURA, CA 93001  
855-663-1122 P 855-663-2282 F

NEW PORTABLE CLASSROOM BUILDING  
777 Alhambra Street  
Camarillo, CA 93010



CLIENT CAPE CHARTER SCHOOL  
PROJECT NUMBER 19172  
DATE 10-01-2019  
REVISIONS table with columns: No., Description, Date

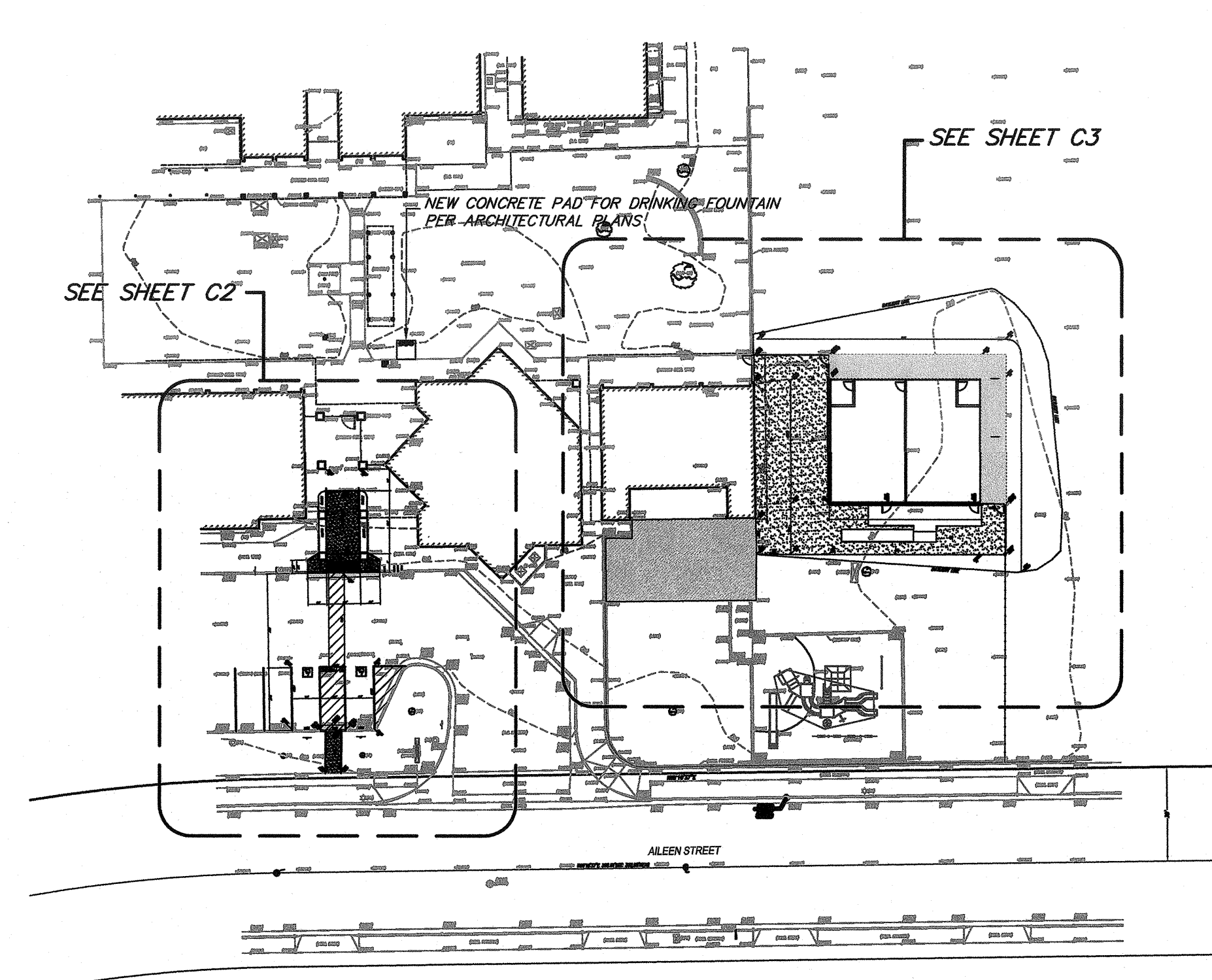
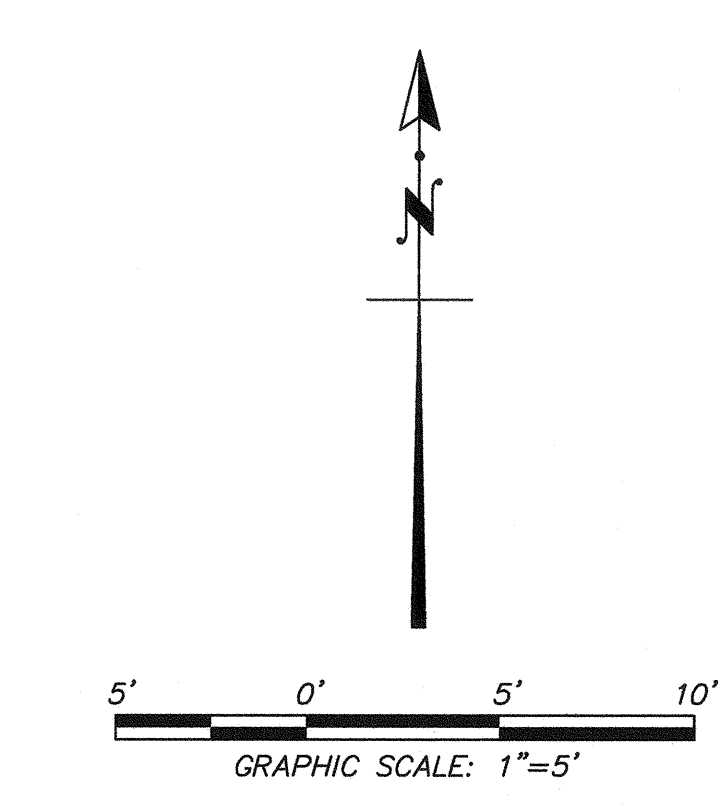
DRAINAGE PLAN  
C2.0

CONSTRUCTION NOTES

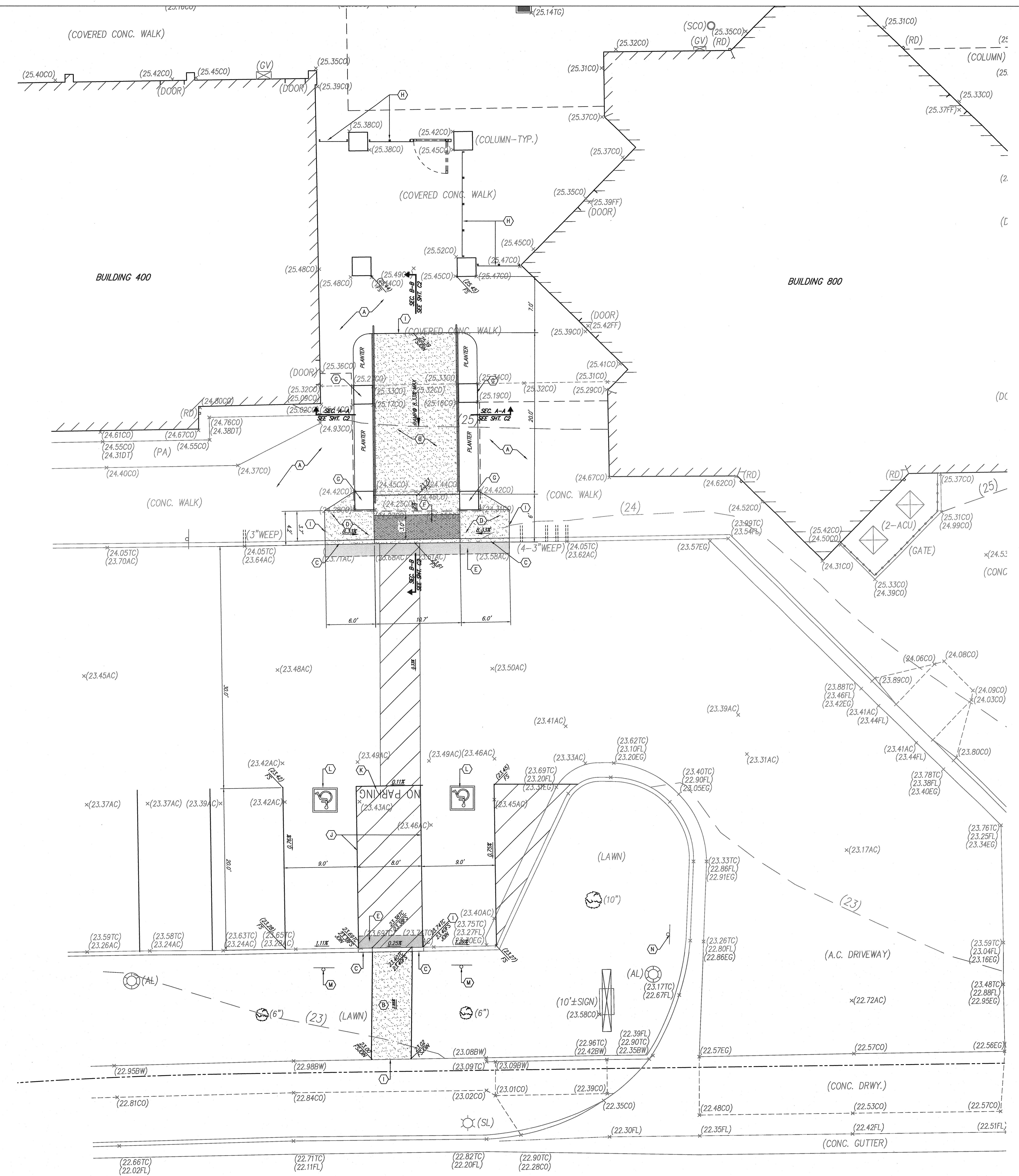
- (A) PROTECT IN PLACE EXISTING CONCRETE SIDEWALK
(B) CONSTRUCT 4" THICK CONCRETE SLAB OR SIDEWALK ON 2" SAND BASE.
(C) CONSTRUCT 6" TO 0" CONCRETE CURB ONLY PER DET. A SHEET C4
(D) CONSTRUCT 4" THICK CONCRETE ADA HANDICAP CURB RAMP PER SSPWC STD. 111-1, CASE "C", MODIFIED AS SHOWN.
(E) CONSTRUCT AC PATCH SECTION TO MATCH EXISTING +1" FOR AC
(F) INSTALL ADA TRUNCATED DOMES BY ADA SOLUTIONS, INC. SEE DET. C ON SHEET C4
(G) PROTECT IN PLACE EXISTING COLUMN
(H) NEW GATE AND FENCE PER DET. 2 SHT. A1.00 FOR MORE INFORMATION.
(I) JOIN EXISTING CONCRETE CURB AND/OR SIDEWALK.
(J) ACCESS AISLES SHALL BE MARKED WITH A BLUE PAINTED BORDERLINE AROUND THEIR PERIMETER. THE AREA WITHIN THE BLUE BORDERLINES SHALL BE MARKED WITH HATCHED LINES A MAXIMUM OF 36 INCHES ON CENTER IN A COLOR CONTRASTING WITH THAT OF THE AISLE SURFACE, PREFERABLY BLUE OR WHITE.
(K) THE WORDS "NO PARKING" SHALL BE PAINTED ON THE SURFACE WITHIN EACH ACCESS AISLE IN WHITE LETTERS A MINIMUM OF 12 INCHES IN HEIGHT AND LOCATED TO BE VISIBLE FROM THE ADJACENT VEHICULAR WAY. ACCESS AISLE MARKINGS MAY EXTEND BEYOND THE MINIMUM REQUIRED LENGTH.
(L) NEW 36" SQ. INTERNATIONAL SYMBOL OF ACCESSIBILITY COMPLYING WITH SECTION 119-703.2.1 IN WHITE ON A BLUE BACKGROUND PER DETAIL H ON SHEET C4.
(M) NEW ACCESSIBLE PARKING SIGN PER DETAIL H ON SHEET C4.
(N) NEW PARKING LOT ENTRANCE SIGN PER DETAIL F SHEET SHEET C4.
(O) NEW 6" HIGH CHAIN LINK FENCE PER SHEET A.G.O.I.
(P) PROTECT IN PLACE EX. CHAIN LINK FENCE.
(Q) NEW DECOMPOSED GRANITE PER DETAIL B ON SHEET C4.
(R) ALTERNATE BID 1: CONSTRUCT 2" AC ON 3" BASE ON COMPACTED SUBGRADE.

LEGEND/ABBREVIATIONS

- FS = FINISH SURFACE
FG = FINISH GRADE
GF = GARAGE FLOOR
TW = TOP OF WALL
RET = RETAINING
INV = INVERT
FL = FLOWLINE
HP = HIGH POINT
POC = POINT OF CONNECTION
DN = DOWN
FLOWLINE
CENTERLINE
PROPERTY LINE
EXISTING CHAIN LINK FENCE
NEW CHAIN LINK FENCE



KEY MAP  
SCALE: 1" = 40'



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9/27/2019 8:16:59 AM  
DRAWN BY: Author  
CHECKED BY: Checker

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 DIV. OF THE STATE ARCHITECT  
 APPROX 120280  
 AC. V. FLS. SS. ET  
 DATE OCT 03 2018



ARCHITECT **PBK Architects, Inc.**  
 VENTURA  
 2751 Parkview Ct, Suite 251  
 Ventura, CA 93005  
 805-947-3200 F  
 805-853-4514 F

LAND SURVEYOR **DRG, INC.**  
 411 VIA ALVARADO, SUITE 805  
 CAMARILLO, CA 93015  
 805-468-7882 F

CIVIL **LEWIS ENGINEERING**  
 1141 L. HAY STREET  
 VENTURA, CA 93001  
 805-468-5190 F

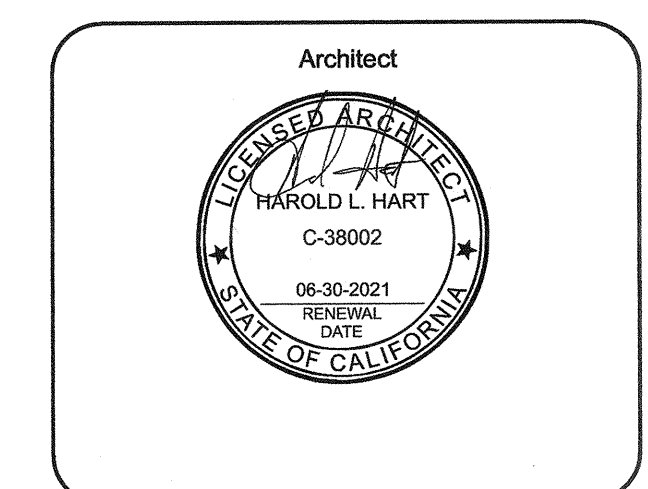
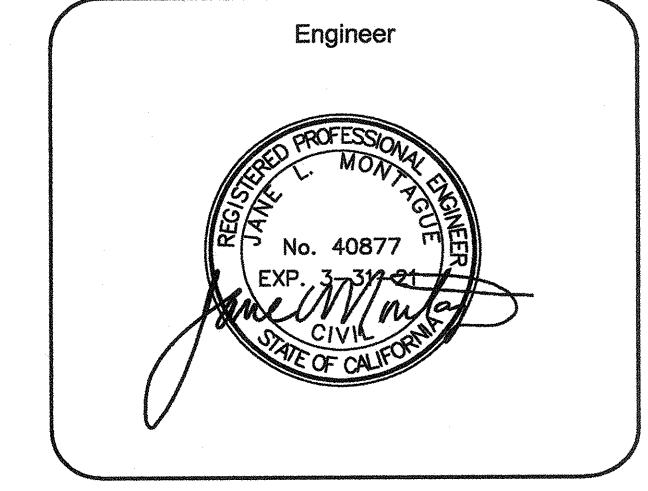
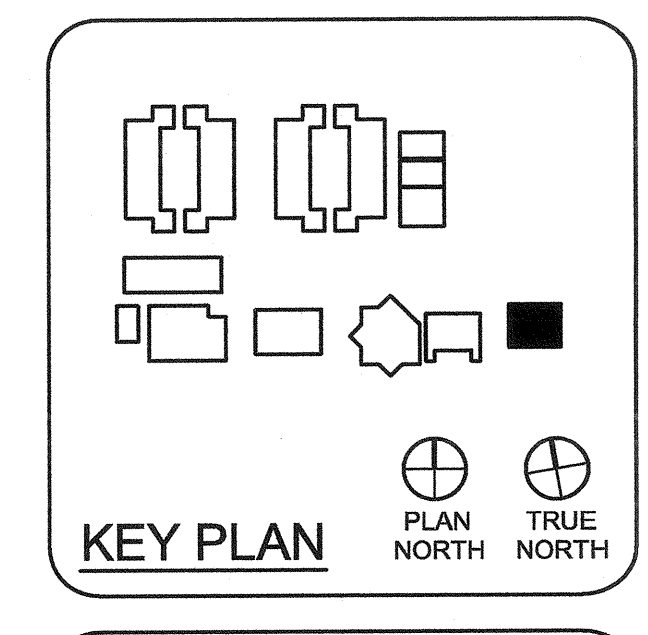
MECHANICAL **AE GROUP MECHANICAL ENGINEERS, INC.**  
 694 BAY FRONT STREET  
 VENTURA, CA 93001  
 805-468-1070 F

ELECTRICAL **LUCCI & ASSOCIATES**  
 3551 CORTE MALPASADO 855  
 CAMARILLO, CA 93012  
 805-468-0700 F

PLUMBING **AE GROUP MECHANICAL ENGINEERS, INC.**  
 694 BAY FRONT STREET  
 VENTURA, CA 93001  
 805-468-1070 F

**NEW PORTABLE CLASSROOM BUILDING**

**CAPE COMETS**



CLIENT **CAPE CHARTER SCHOOL**  
 PROJECT NUMBER 19172

DATE 10-01-2019

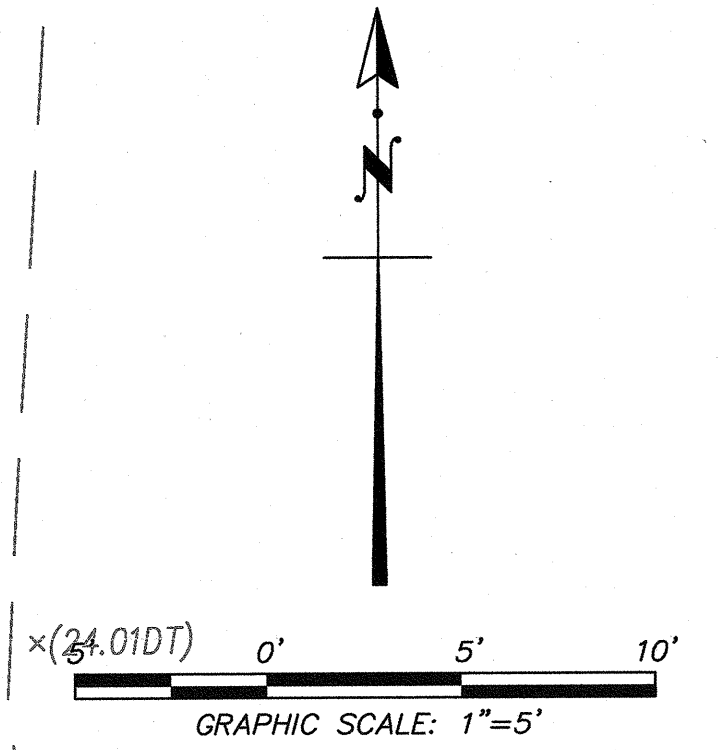
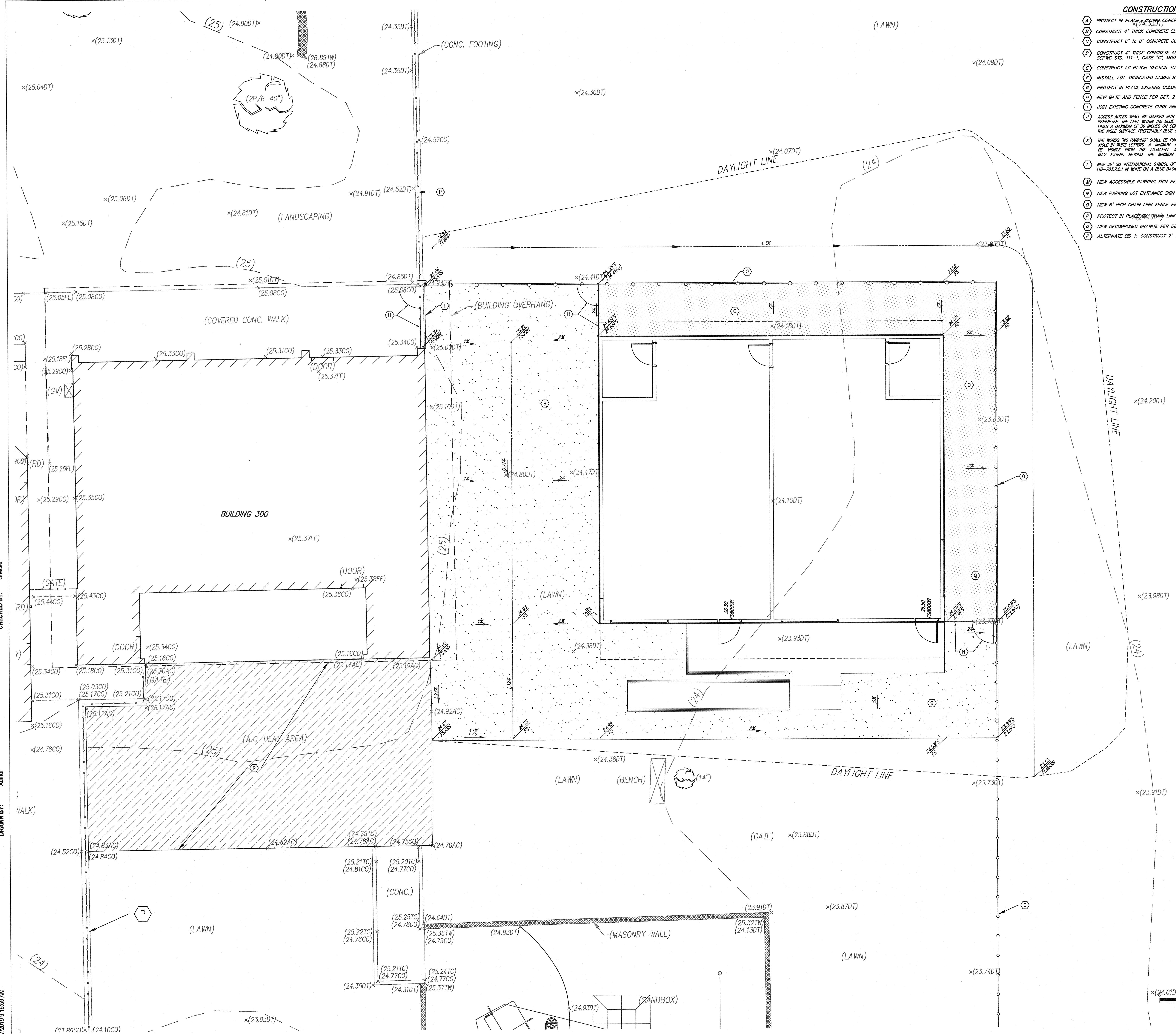
REVISIONS	No.	Description	Date

**DRAINAGE PLAN DETAILS**

**C3.0**

**CONSTRUCTION NOTES**

- (A) PROTECT IN PLACE EXISTING CONCRETE SIDEWALK
- (B) CONSTRUCT 4" THICK CONCRETE SLAB OR SIDEWALK ON 2" SAND BASE.
- (C) CONSTRUCT 6" TO 0" CONCRETE CURB ONLY PER DET. A SHEET CA
- (D) CONSTRUCT 4" THICK CONCRETE ADA HANDICAP CURB RAMP PER SSPWC STD. 111-1, CASE "C", MODIFIED AS SHOWN.
- (E) CONSTRUCT AC PATCH SECTION TO MATCH EXISTING +1" FOR AC
- (F) INSTALL ADA TRUNCATED DOMES BY ADA SOLUTIONS, INC. SEE DET. C ON SHEET CA
- (G) PROTECT IN PLACE EXISTING COLUMN
- (H) NEW GATE AND FENCE PER DET. 2 SHT. A1.00 FOR MORE INFORMATION.
- (I) JOIN EXISTING CONCRETE CURB AND/OR SIDEWALK.
- (J) ACCESS AISLES SHALL BE MARKED WITH A BLUE PAINTED BORDERLINE AROUND THEIR PERIMETER. THE AREA WITHIN THE BLUE BORDERLINES SHALL BE MARKED WITH HATCHED LINES A MAXIMUM OF 30 INCHES ON CENTER IN A COLOR CONTRASTING WITH THAT OF THE AISLE SURFACE, PREFERABLY BLUE OR WHITE
- (K) THE WORDS "NO PARKING" SHALL BE PAINTED ON THE SURFACE WITHIN EACH ACCESS AISLE IN WHITE LETTERS A MINIMUM OF 12 INCHES IN HEIGHT AND LOCATED TO BE VISIBLE FROM THE ADJACENT VEHICULAR WAY. ACCESS AISLE MARKINGS MAY EXTEND BEYOND THE MINIMUM REQUIRED LENGTH.
- (L) NEW 36" SQ. INTERNATIONAL SYMBOL OF ACCESSIBILITY COMPLYING WITH SECTION 119-703.7.2 IN WHITE ON A BLUE BACK. PER DETAIL ON SHEET CA
- (M) NEW ACCESSIBLE PARKING SIGN PER DETAIL DETAIL ON SHEET CA.
- (N) NEW PARKING LOT ENTRANCE SIGN PER DETAIL F SHEET SHEET CA.
- (O) NEW 6" HIGH CHAIN LINK FENCE PER DET. B ON SHEET AD.01.
- (P) PROTECT IN PLACE EXISTING CHAIN LINK FENCE
- (Q) NEW DECOMPOSED GRANITE PER DETAIL B ON SHEET CA
- (R) ALTERNATE BID 1: CONSTRUCT 2" AC ON 3" BASE ON COMPACTED SUBGRADE



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 Author

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DIV. OF THE STATE ARCHITECT  
APPROVED 12 0 8 8 0  
AC FLS SS CT  
DATE MT 0 2 2019

**PRK**

ARCHITECT PRK Architects, Inc.  
VENTURA  
2751 Parkview Ct, Suite 251  
Oxnard, CA 93036  
805-947-3000 P  
805-853-4514 F

LAND SURVEYOR  
81 VA ALICIA, SUITE 609  
CHAPARRAL CALIFORNIA  
924-967-3845 P 951-997-1051

CIVIL  
1145 MAIN STREET  
VENTURA CALIFORNIA  
805-446-1393 P 805-446-2121

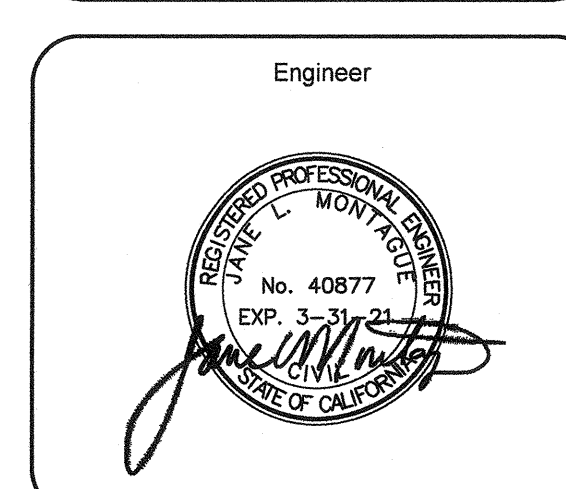
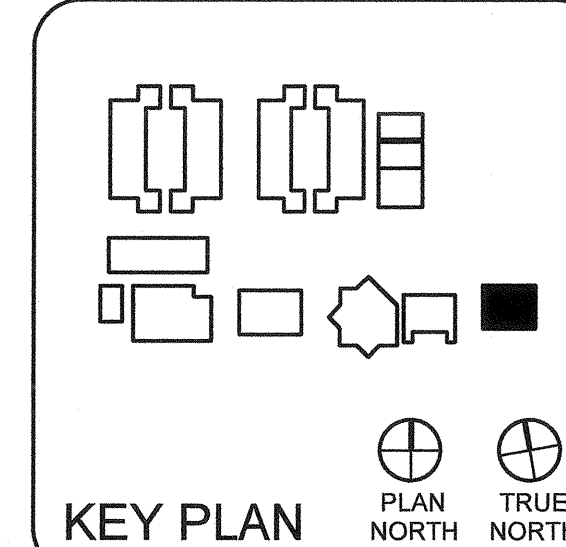
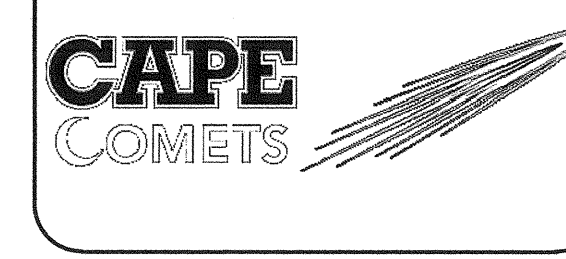
MECHANICAL  
AS GROUP MECHANICAL ENGINEERS, INC.  
638 EAST FRONT STREET  
VENTURA CALIFORNIA  
805-446-1392 P 805-446-2121

ELECTRICAL  
3801 CORNELIUS HANCOCK  
CHAPARRAL, CALIFORNIA 91702  
864-812-9272 P 864-819-7861

PLUMBING  
AS GROUP MECHANICAL ENGINEERS, INC.  
195 FIFTH STREET  
VENTURA, CALIFORNIA 93001  
805-446-1370 P 805-446-2121

**NEW PORTABLE CLASSROOM BUILDING**

777 Alhambra Street  
Camarillo, CA 93010



CLIENT  
**CAPE CHARTER SCHOOL**

PROJECT NUMBER  
19172

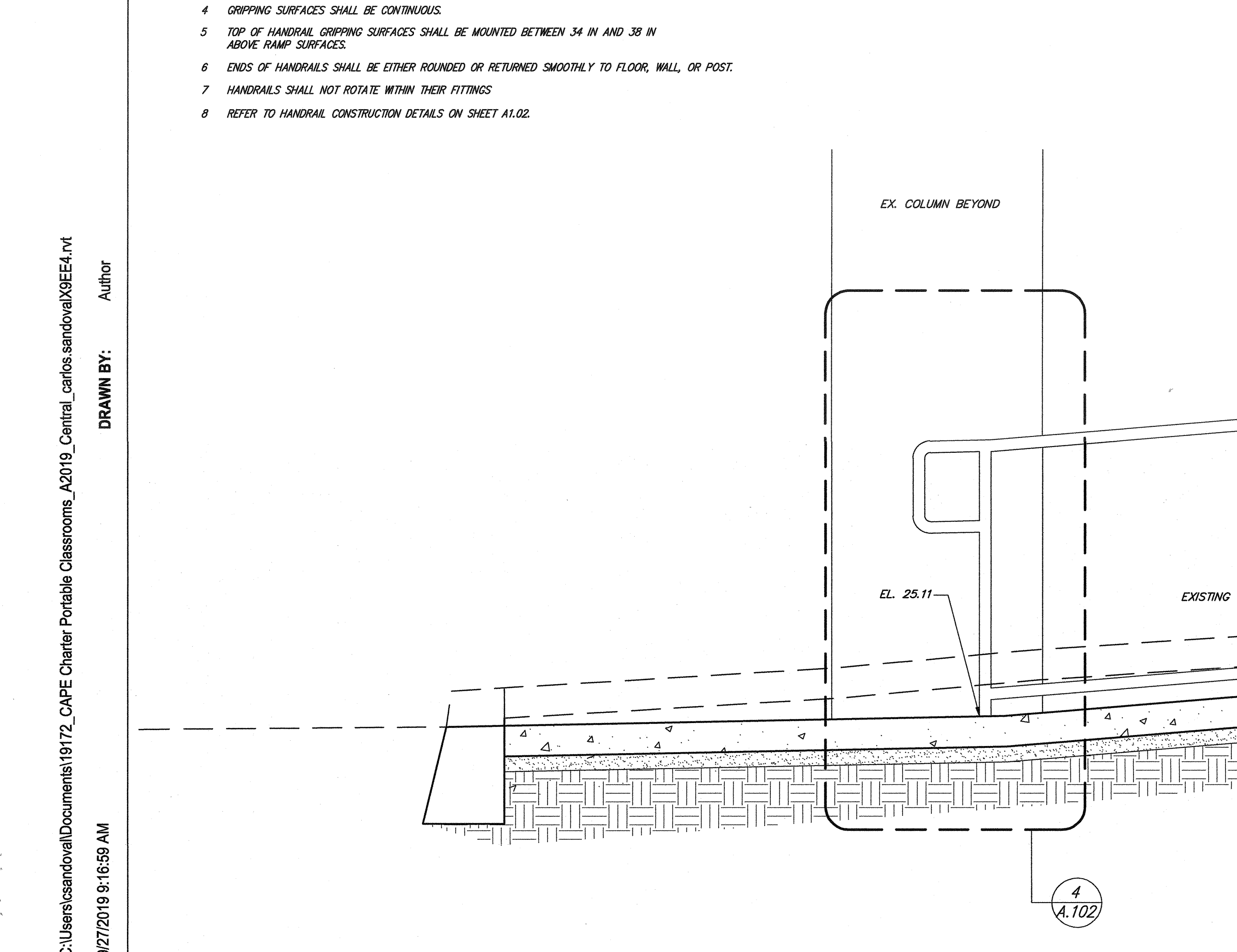
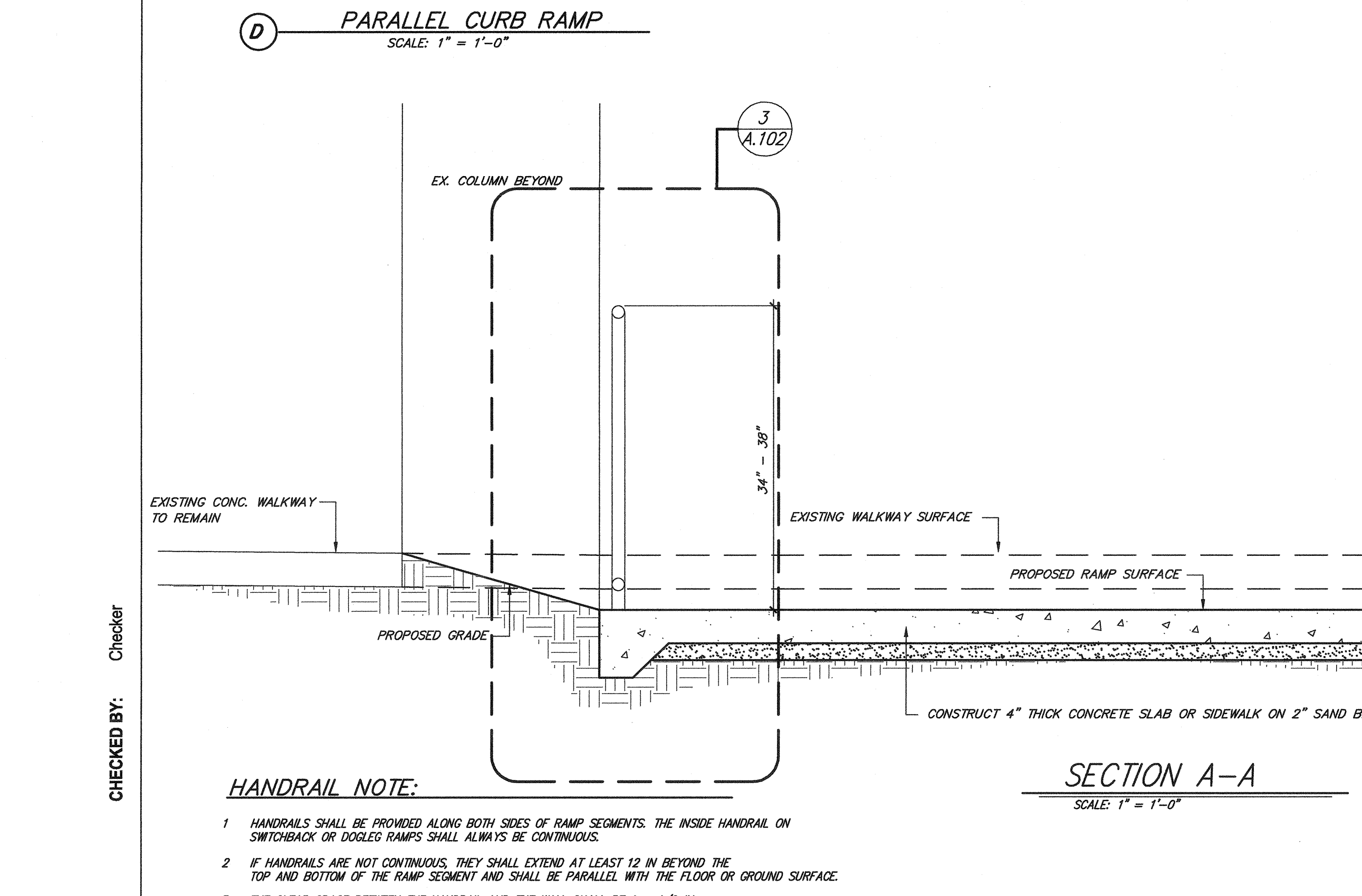
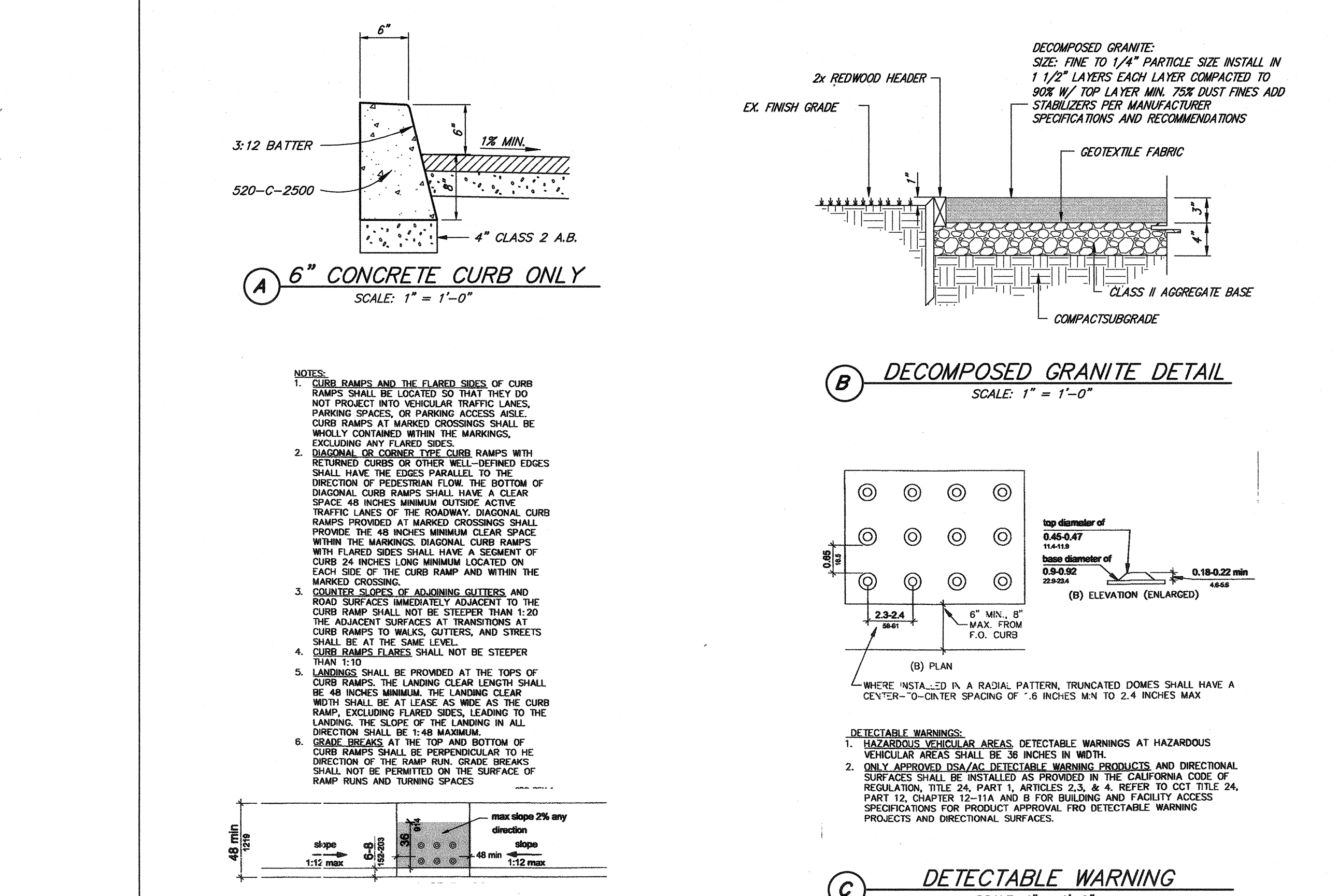
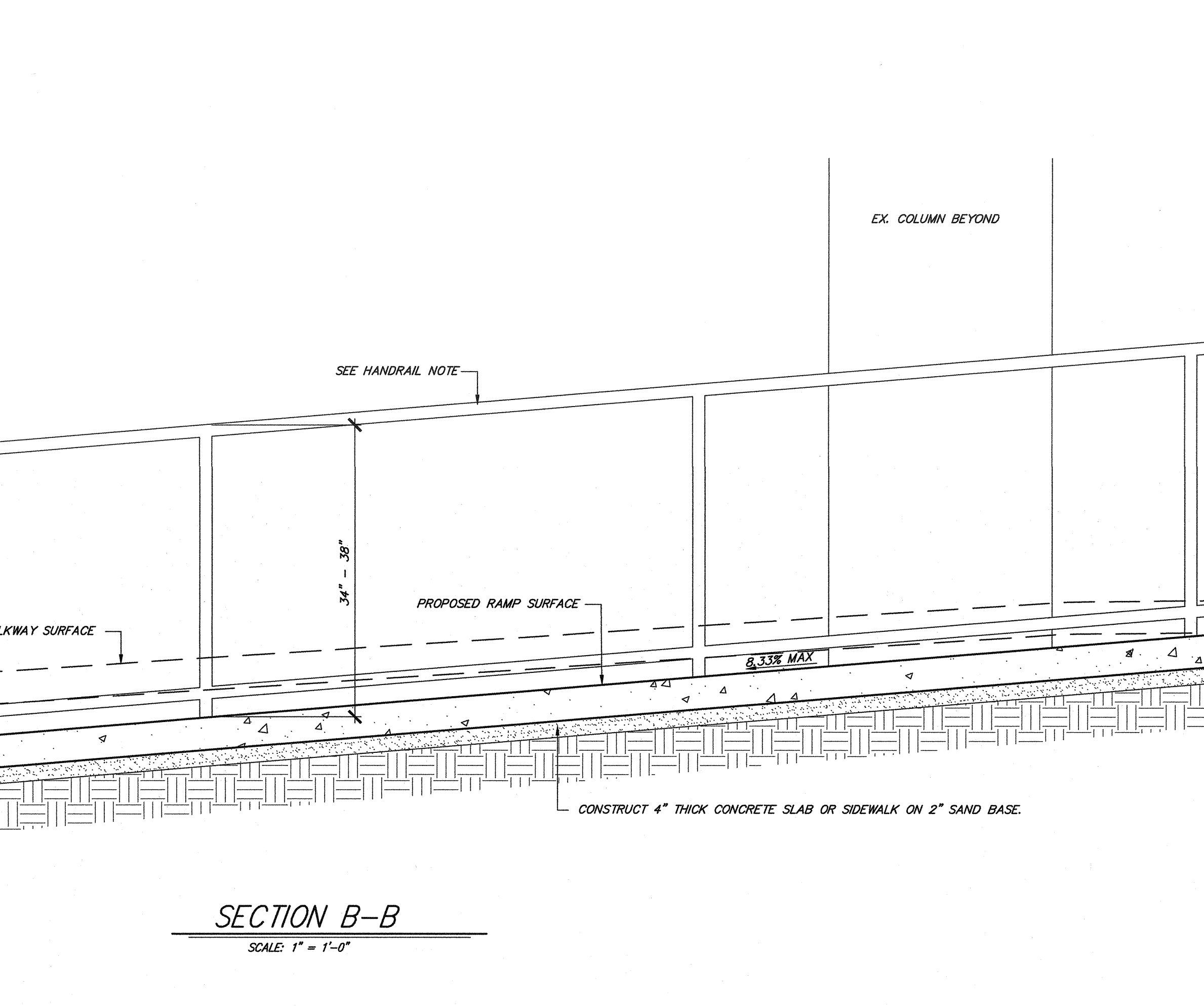
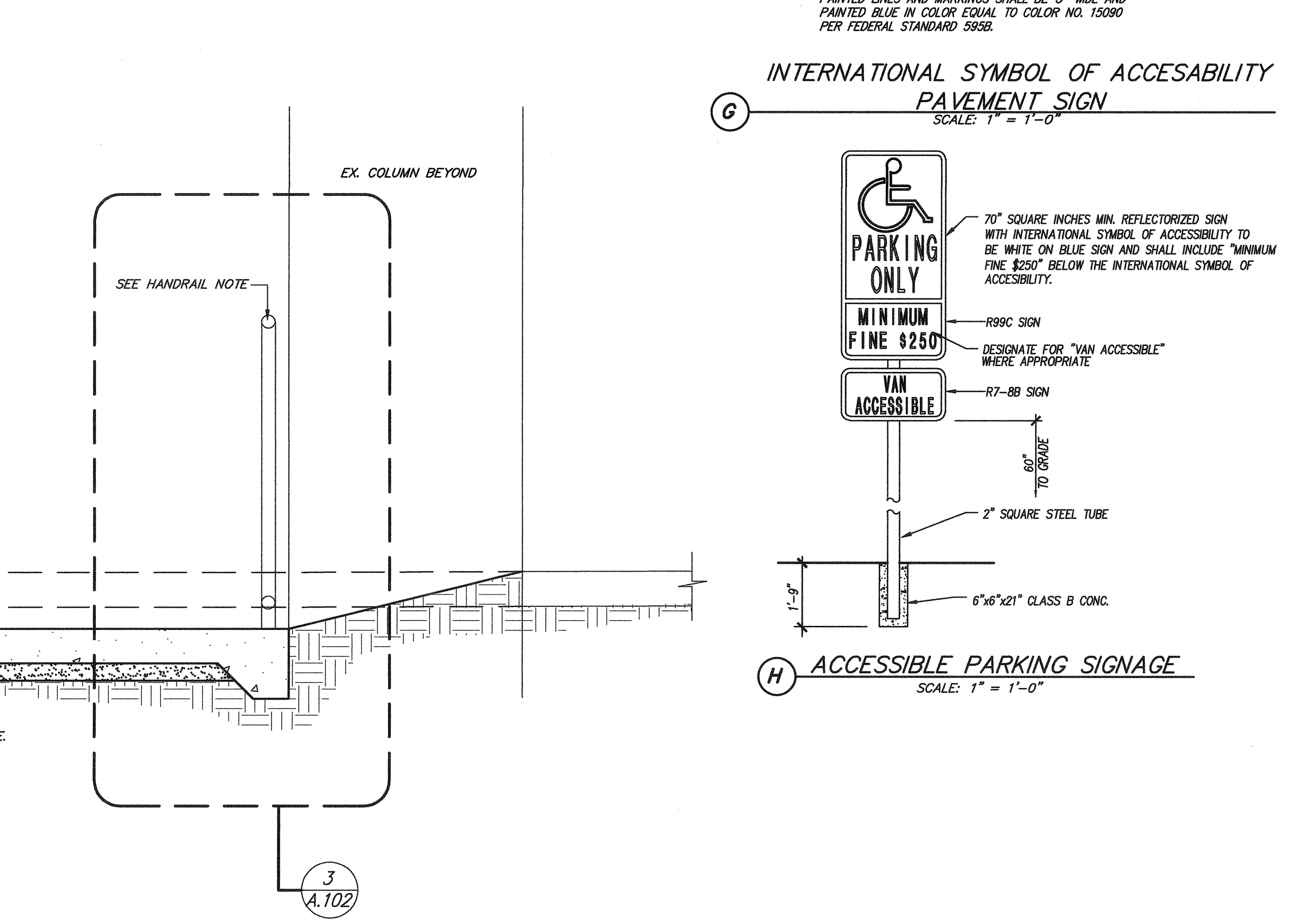
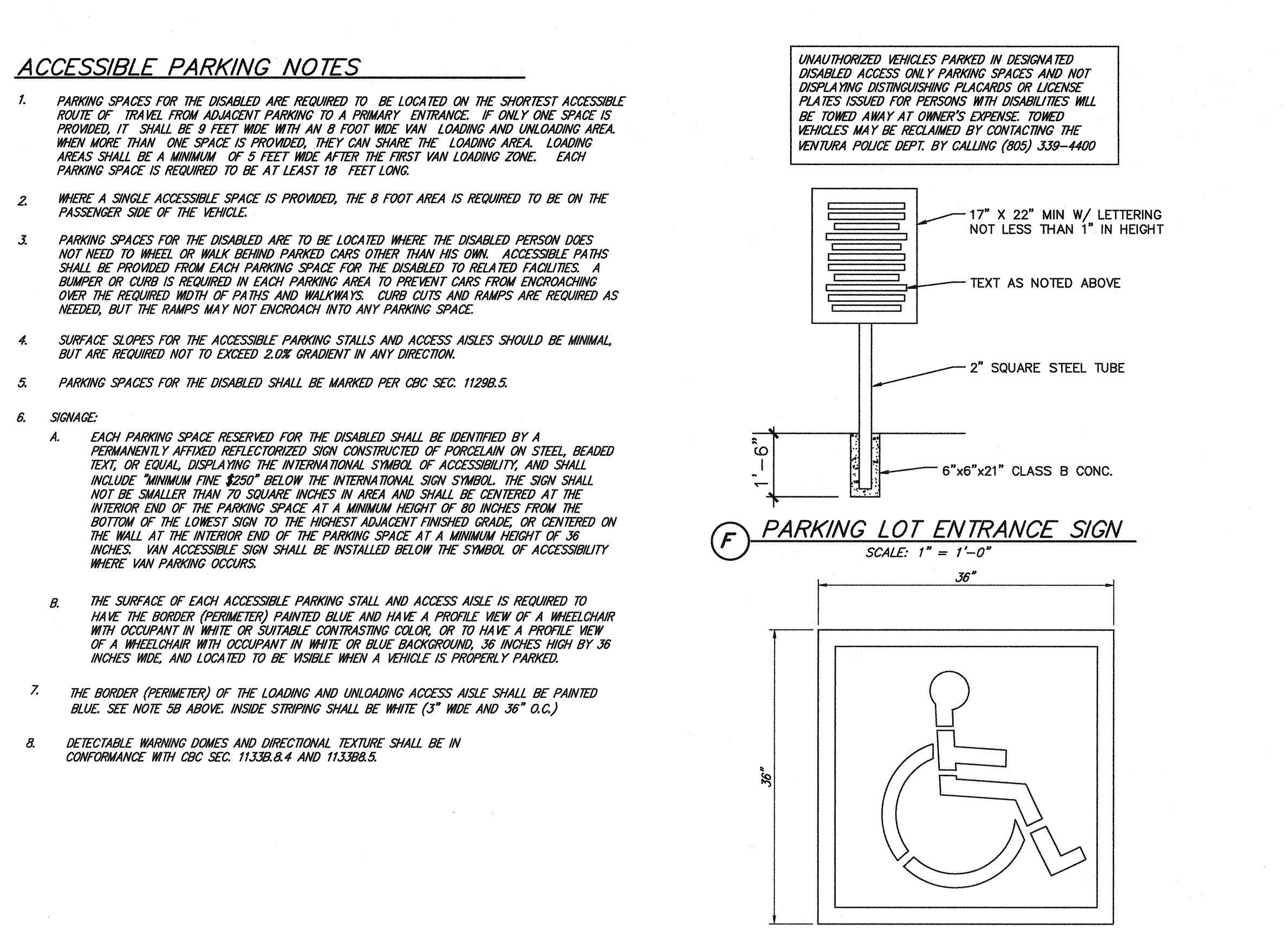
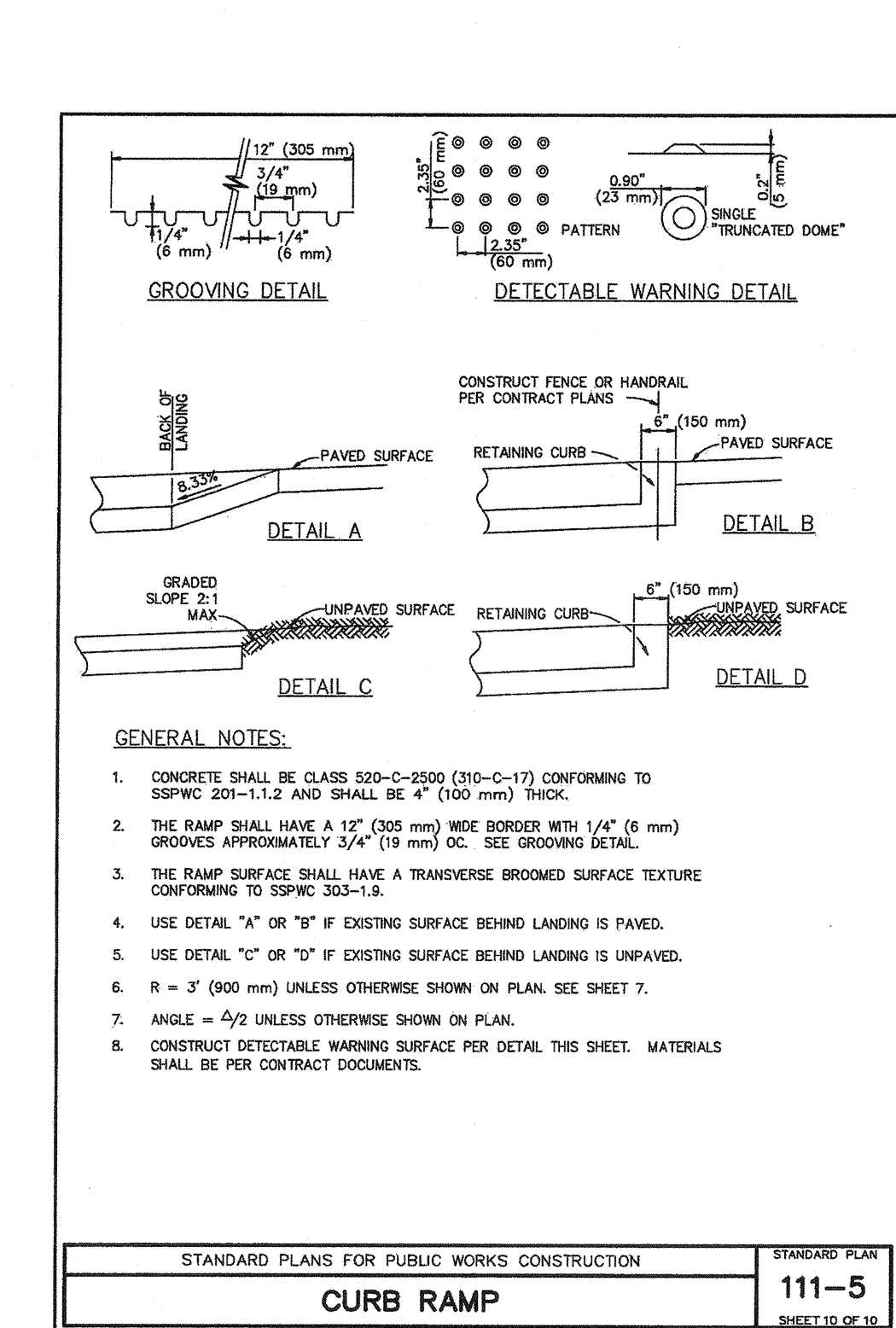
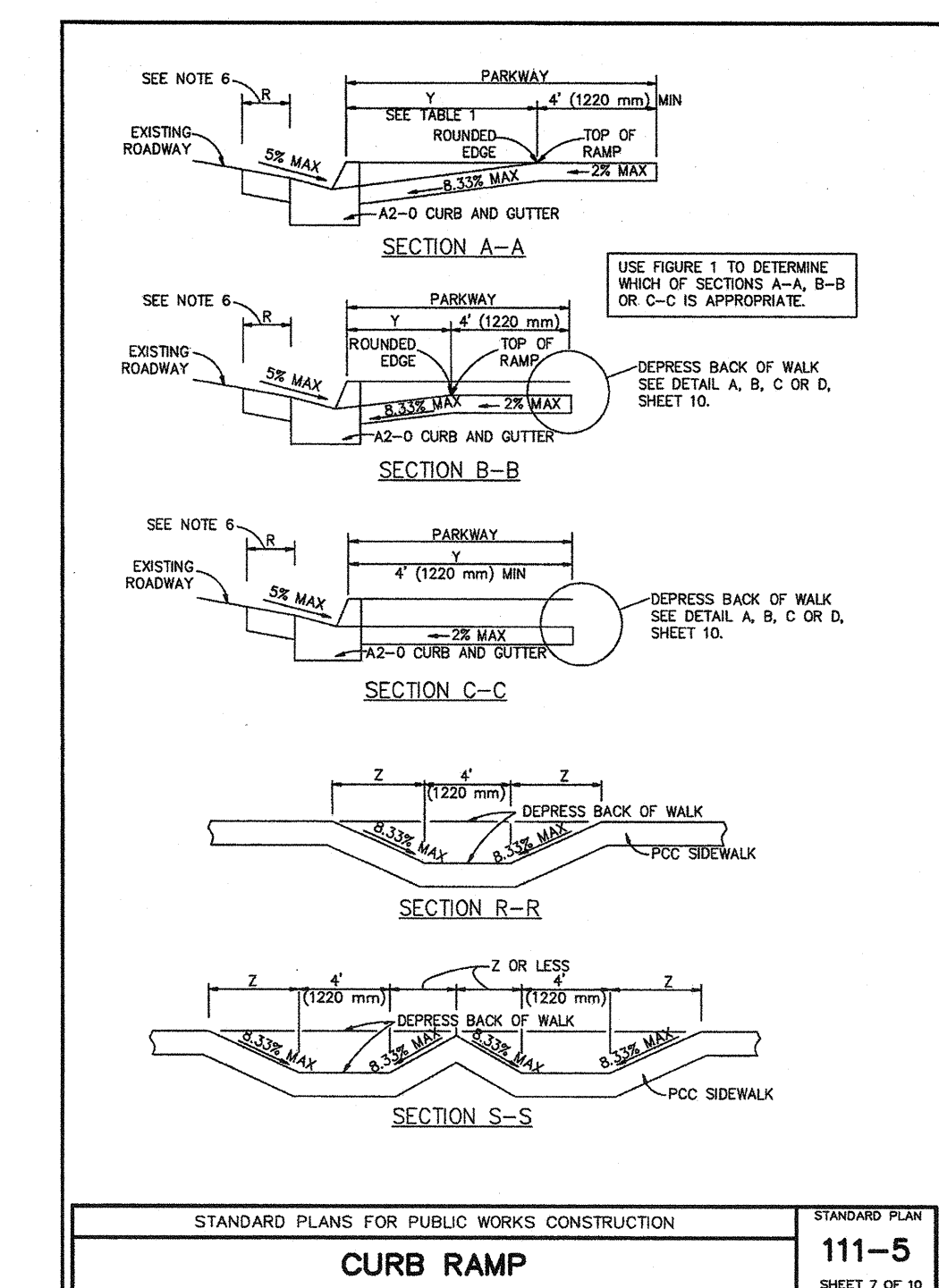
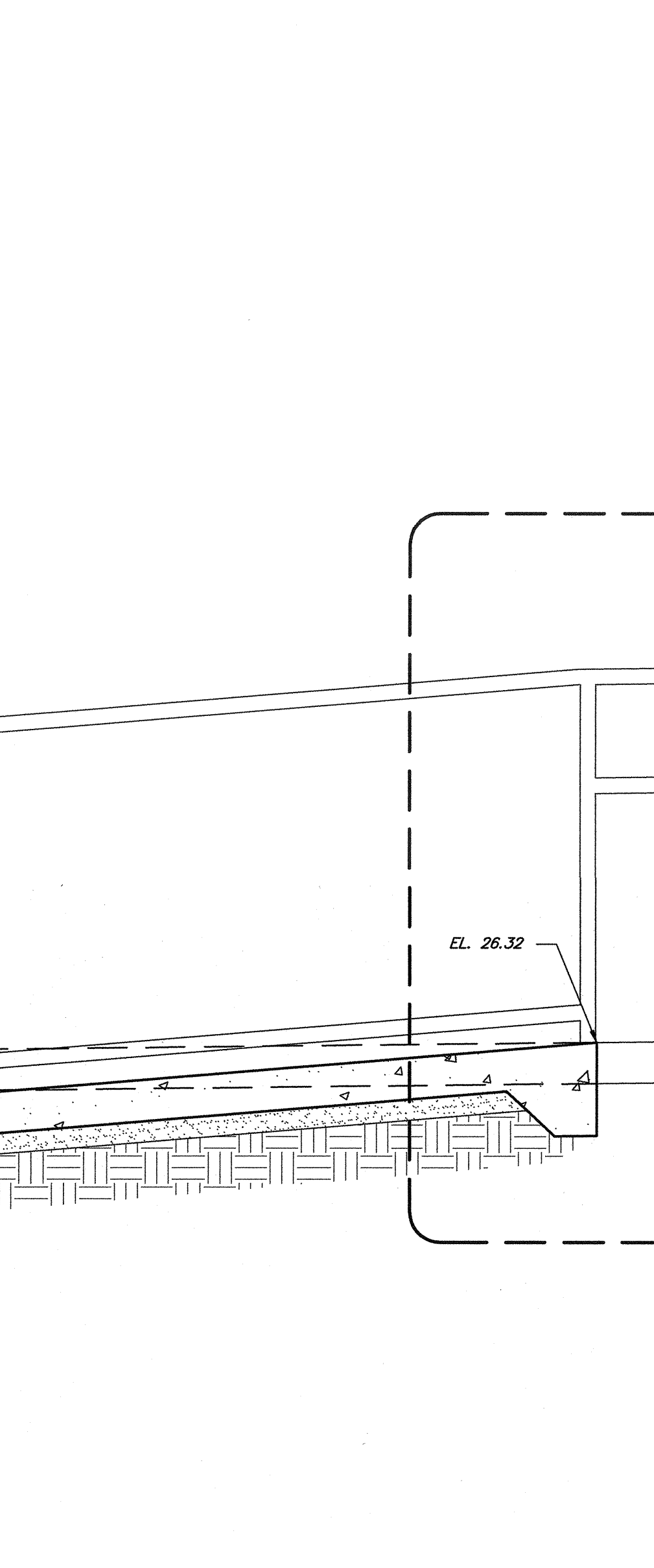
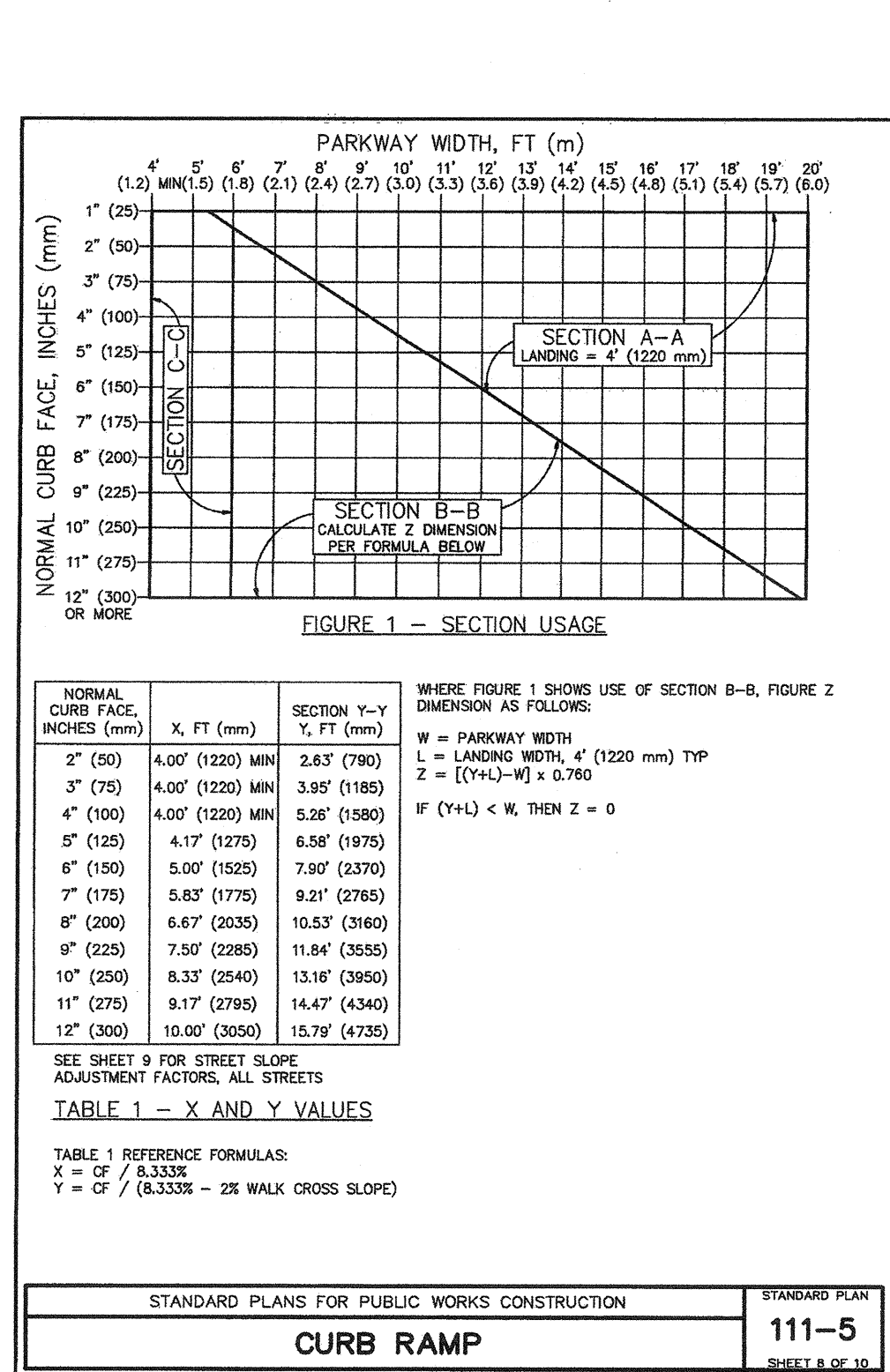
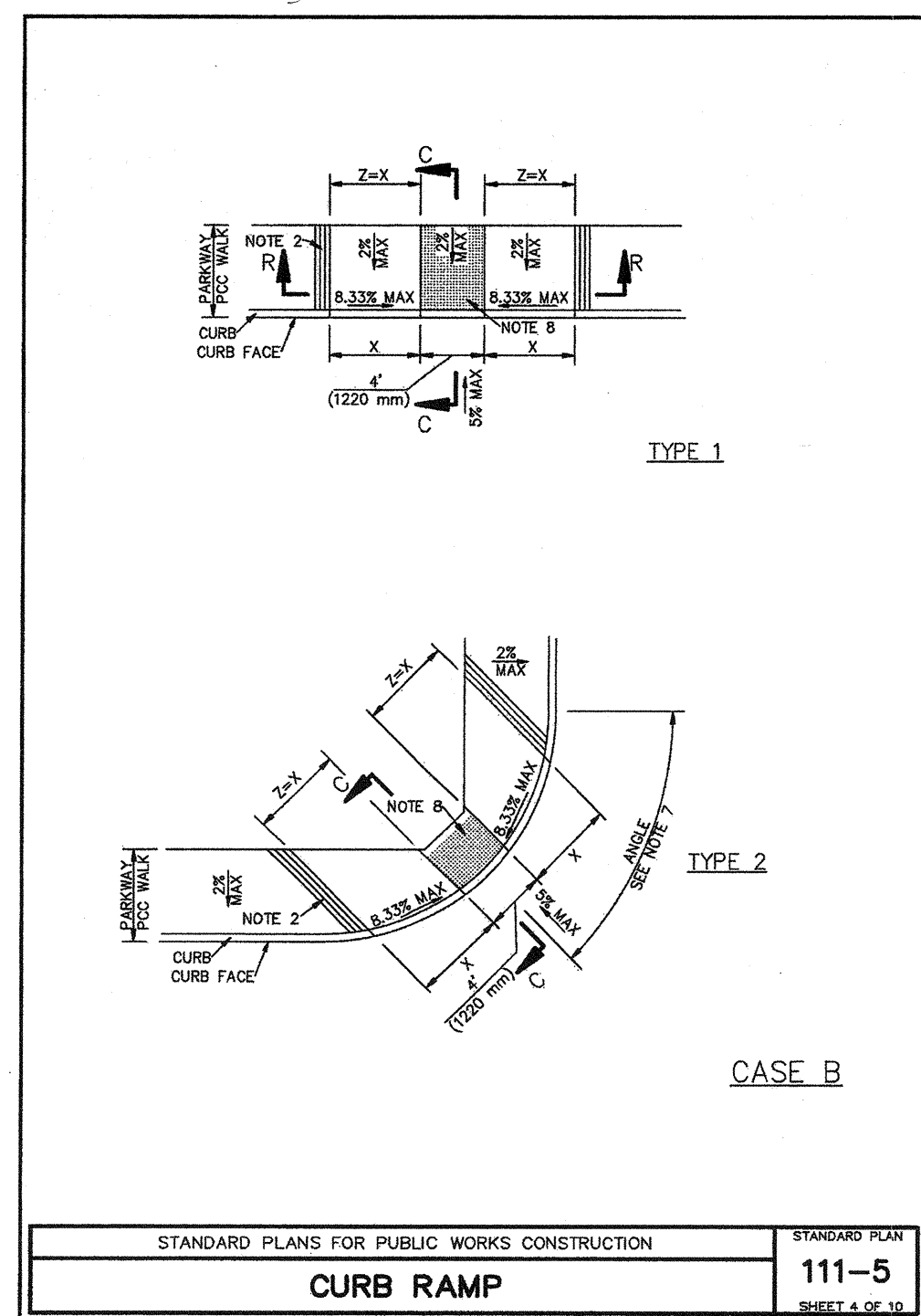
DATE  
10-01-2019

REVISIONS


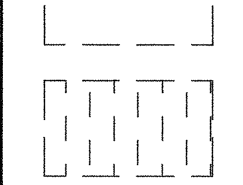
No.	Description	Date

**DRAINAGE PLAN DETAILS**

**C4.0**



**SITE DEMOLITION LEGEND**

-  APPROXIMATE AREA OF REGRADE. REMOVE ALL (E) GRASS AND PLANTS. REFER TO SHEET C1.0 FOR MORE INFORMATION.
-  ALTERNATE BID: (E) PORTION OF ASPHALT PAVEMENT TO BE REMOVED AND REPLACED WITH (N) ASPHALT. REFER TO SHEET CIVIL DRAWINGS AND SPECIFICATIONS FOR MORE INFORMATION.

**Keynote Legend**

Key	Note
02.01	REMOVE (E) CHAINLINK FENCE IN ITS ENTIRETY. PATCH AND REPAIR GROUND SURFACE TO MATCH (E) ADJACENT SURFACE. CONTRACTOR TO VERIFY LOCATION OF FENCE BEFORE REMOVAL.
02.02	REMOVE (E) GATE
02.03	PROTECT IN PLACE (E) PLAYGROUND. NO WORK IN THIS AREA
02.05	PROTECT IN PLACE (E) TREE
02.06	PROTECT IN PLACE (E) GATE
02.08	PROTECT IN PLACE (E) SOD. NO WORK IN THIS AREA.
02.09	PROTECT IN PLACE (E) LIGHT POST
02.10	PROTECT IN PLACE (E) MONUMENT SIGN
02.11	PROTECT IN PLACE (E) BENCH
02.12	PROTECT IN PLACE (E) CONCRETE PATH AND CURBS
02.13	PROTECT IN PLACE (E) PERGOLA STRUCTURE
02.14	REMOVE PORTION OF (E) PLANTED AREA TO ACCOMMODATE NEW CONCRETE PAD FOR DRINKING FOUNTAIN
02.15	REMOVE AND REPLACE (E) ANNUNCIATOR PANEL. REFER TO E402 FOR MORE INFORMATION

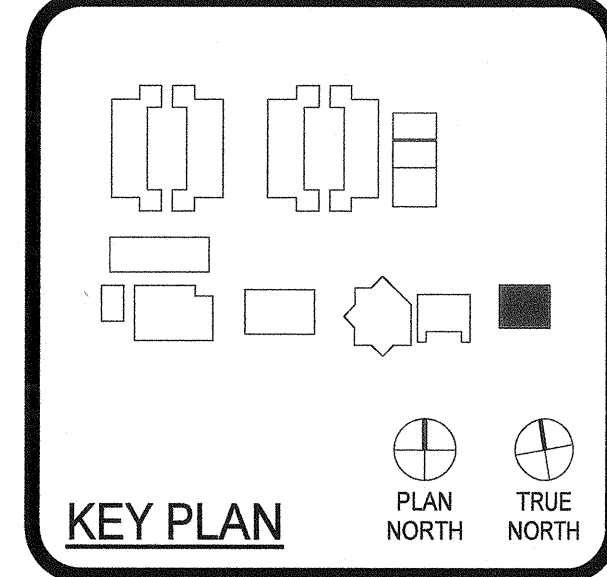
IDENTIFICATION STAMP  
DIV. OF THE STATE ARCHITECT  
APPROX 120280  
AOL FL S SS  
DATE OCT 03 2019



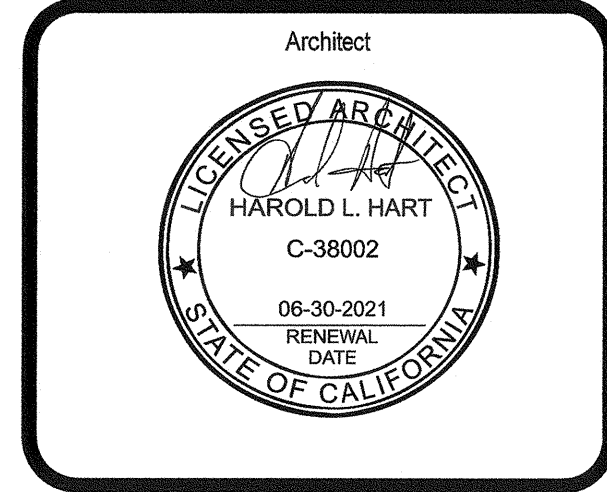
<b>ARCHITECT</b>	<b>PBK Architects, Inc.</b> VENTURA 2751 Parkview Ct, Suite 251 Oxnard, CA 93008 805-847-3000 P 805-853-4514 F
<b>LAND SURVEYOR</b>	<b>DRG, INC.</b> 621 VIA ALONDA, SUITE 400 CAMPBELL, CA 95008 925-867-3245 P 925-867-3993 F
<b>CIVIL</b>	<b>LEWIS ENGINEERING</b> 1140 E. MAIN STREET VENTURA, CA 93001 805-648-1300 P 805-648-8721 F
<b>MECHANICAL</b>	<b>AE GROUP MECHANICAL ENGINEERS, INC.</b> 838 EAST FRONT STREET VENTURA, CA 93001 805-653-1722 P 805-653-7260 F
<b>ELECTRICAL</b>	<b>LUCIC &amp; ASSOCIATES</b> 3201 COSTA MESA BLVD #601 CAMPBELL, CA 95012 925-882-7777
<b>PLUMBING</b>	<b>AE GROUP MECHANICAL ENGINEERS, INC.</b> 838 EAST FRONT STREET VENTURA, CA 93001 805-653-1722 P 805-653-7260 F

**NEW PORTABLE CLASSROOM BUILDING**

777 Aileen Street  
Camarillo, CA 93010



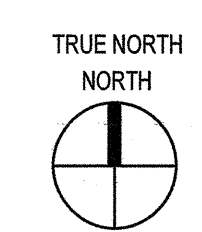
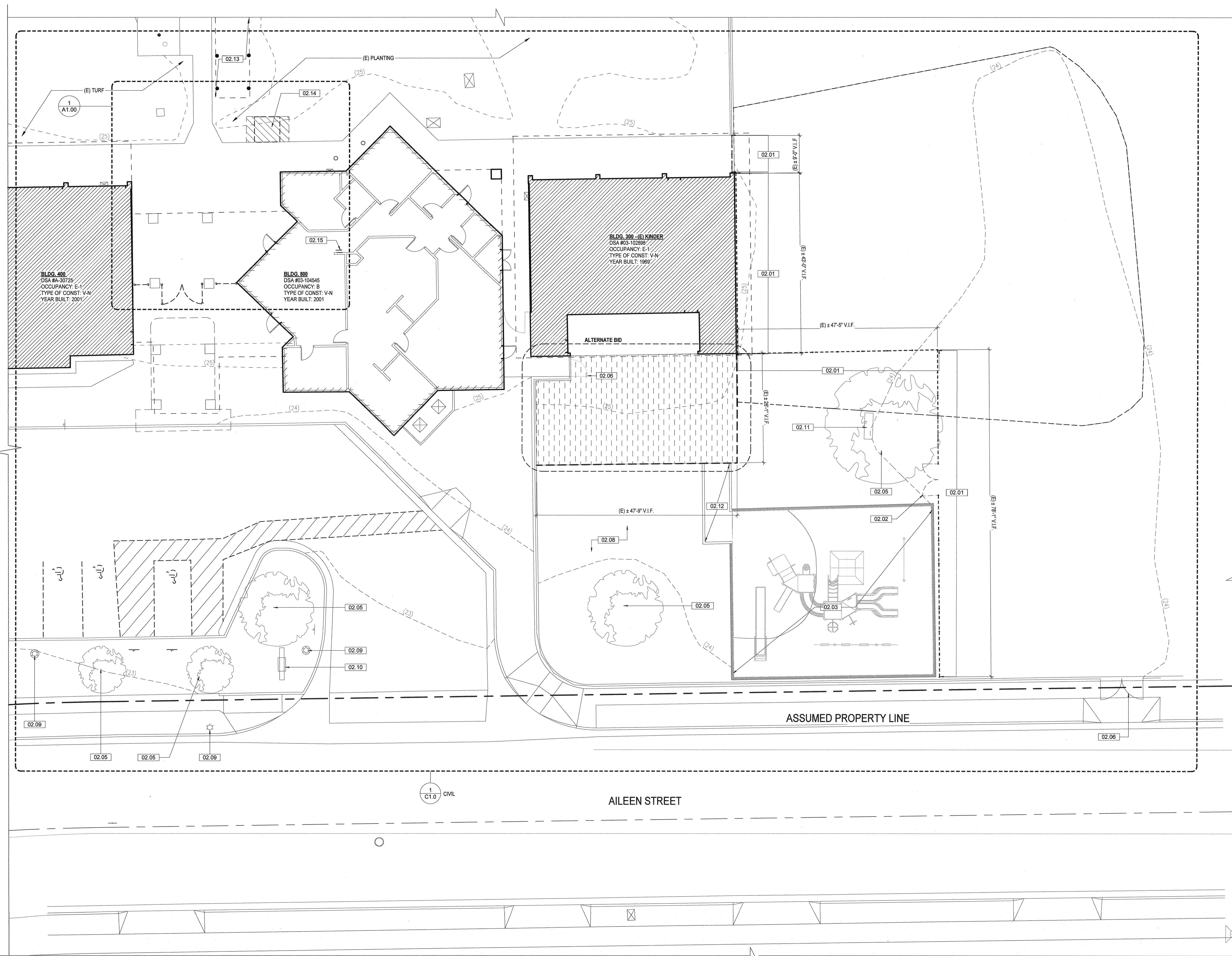
Engineer



CLIENT		
CAPE CHARTER SCHOOL		
PROJECT NUMBER	19172	
DATE	10/01/2019	
REVISIONS		
No.	Description	Date
1	BACK CHECK - T	10/03/2019

**PARTIAL DEMOLITION SITE PLAN**

**D1.00**



C:\Users\lrbatcava\Documents\19172\_CAPE Charter Portable Classrooms\_A\2019\_Central\_enrique\_rubalcava.rvt  
10/2/2019 4:41:12 PM  
CHECKED BY: Checker  
DRAWN BY: Author

ENLARGED SITE PLAN LEGEND

- PROPERTY LINE
- (E) BUILDING NOT IN SCOPE
- NEW PORTABLE UNIT PROVIDED BY OWNER. REFER TO GLOBAL MODULAR MANUFACTURER DRAWINGS FOR MORE INFORMATION
- NEW CONCRETE PAVED AREA. REFER TO C3.0 FOR MORE INFORMATION AND COORDINATION.
- ALTERNATE BID: NEW ASPHALT PAVED AREA. REFER TO C3.0 FOR MORE INFORMATION AND COORDINATION.

Keynote Legend

- | Key   | Note  |
|-------|---|
| 00.01 | (N) PORTABLE BUILDING PROVIDED BY OWNER. REFER TO MANUFACTURER DRAWINGS AND SPECIFICATIONS FOR MORE INFORMATION       |
| 00.02 | (N) RAMP AND LANDING SYSTEM PROVIDED BY OWNER. REFER TO MANUFACTURER DRAWINGS AND SPECIFICATIONS FOR MORE INFORMATION |
| 02.03 | PROTECT IN PLACE (E) PLAYGROUND. NO WORK IN THIS AREA   |
| 02.05 | PROTECT IN PLACE (E) TREE   |
| 02.06 | PROTECT IN PLACE (E) GATE   |
| 02.08 | PROTECT IN PLACE (E) SOD. NO WORK IN THIS AREA.   |
| 02.09 | PROTECT IN PLACE (E) LIGHT POST   |
| 02.10 | PROTECT IN PLACE (E) MONUMENT SIGN  |
| 02.11 | PROTECT IN PLACE (E) BENCH  |
| 02.12 | PROTECT IN PLACE (E) CONCRETE PATH AND CURBS  |
| 02.31 | PROTECT IN PLACE (E) CURB CUT   |
| 32.01 | (N) ANNUNCIATOR PANEL. REFER TO E402 FOR MORE INFORMATION   |
| 32.01 | (N) CHAINLINK FENCE. REFER TO DETAIL 5 ON SHEET A1.02 FOR MORE INFORMATION AND COORDINATION.                          |
| 32.02 | (N) CHAINLINK FENCE GATE. REFER DETAIL 5 ON A1.02 FOR MORE INFORMATION.   |

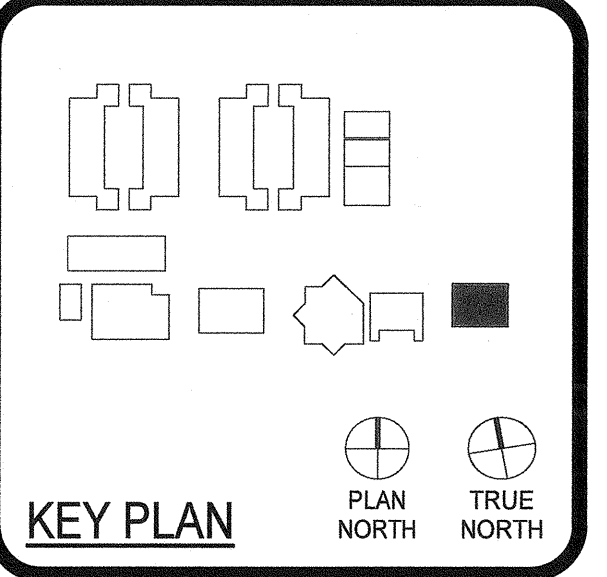
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 DIV. OF THE STATE ARCHITECT  
 APPROVED 120280  
 ARCHITECT FLS SEP 2019  
 DATE OCT 9 2019



ARCHITECT	PBK Architects, Inc. VENTURA 2751 Parkview Ct, Suite 251 Oxnard, CA 93026 805-947-5200 P 805-853-4514 F
LAND SURVEYOR	651 VA ALONDA, SUITE 600 CARMELITO, CA 93912 805-967-3855 P 805-967-1935 F
CIVIL	1143 E MAIN STREET VENTURA, CA 93001 AE GROUP MECHANICAL ENGINEERS, INC. 805-642-1393 P 805-642-0711 F
MECHANICAL	806 EAST FRONT STREET VENTURA, CA 93001 805-652-1772 P 805-652-7265 F
ELECTRICAL	3201 CORTE BARRAGAN #605 CARMELITO, CA 93912 805-967-1772 P 805-967-1772 F
PLUMBING	189 WEST FRONT STREET VENTURA, CA 93001 805-642-1772 P 805-642-7265 F

NEW PORTABLE CLASSROOM BUILDING

777 Alleen Street  
Carmelito, CA 93910



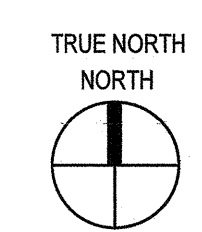
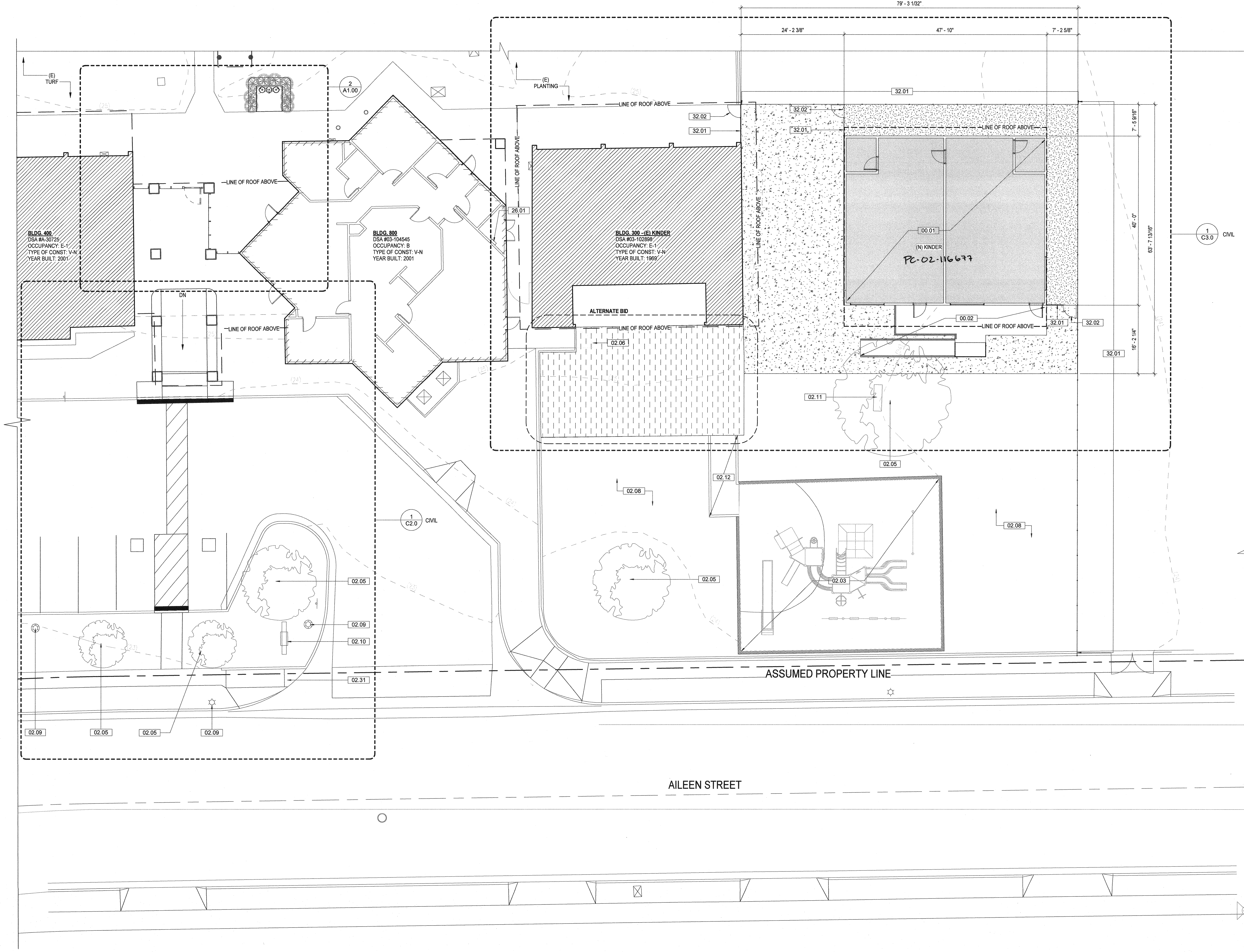
Engineer



CLIENT	CAPE CHARTER SCHOOL	
PROJECT NUMBER	19172	
DATE	10/01/2019	
REVISIONS		
No.	Description	Date
1	BACK CHECK - 1	10/03/2019

ENLARGED SITE PLAN

A0.01



CHECKED BY: Checker

DRAWN BY: Author

**GENERAL DEMOLITION NOTES:**

- THE DEMOLITION PLAN OUTLINES SOME OF THE SCOPE OF THE WORK INVOLVED FOR THE DEMOLITION PHASE OF THIS PROJECT. CONTRACTOR SHALL REVIEW ALL SHEETS FOR ADDITIONAL DEMO SCOPE.
- CONTRACTOR SHALL VERIFY EXISTING SITE AND BUILDING CONDITIONS AND DIMENSIONS IN THE FIELD PRIOR TO ALL DEMOLITION ACTIVITIES. CONTRACTOR SHALL NOT SCALE DRAWINGS. CONTRACTOR WILL NOTIFY ARCHITECT OF ANY DISCREPANCIES IN WRITING.
- AFTER AWARD OF THE CONTRACT, CHANGE ORDER REQUESTS FOR ADDITIONAL MONEY WILL NOT BE APPROVED IF THE WORK COULD HAVE BEEN ANTICIPATED DURING A SITE VISIT BY THE CONTRACTOR.
- CONTRACTOR WILL BE REQUIRED TO REPAIR, REPLACE OR PATCH EXISTING BUILDINGS, DRIVEWAYS, SIDEWALKS, CANOPIES, AND/OR PARKING AREAS DISTURBED BY DEMOLITION.
- CONTRACTOR WILL BE REQUIRED TO REGRADE AND HYDROMULCH AREAS AFFECTED BY DEMOLITION.
- REMOVE EXISTING CONSTRUCTION TO THE EXTENT INDICATED ON THE DRAWINGS. SHOULD ANY DAMAGE OCCUR TO ANY EXISTING CONSTRUCTION TO REMAIN, THE CONTRACTOR SHALL REPAIR THE DAMAGE TO MATCH EXISTING/ADJACENT CONSTRUCTION.
- CONTRACTOR IS TO VERIFY THE EXACT LOCATION OF ALL EXISTING UTILITIES PRIOR TO DEMOLITION ACTIVITIES.
- CONTRACTOR SHALL REMOVE DEBRIS REGULARLY AS NECESSARY TO ELIMINATE INTERFERENCE WITH ROADS, STREET, WALKS, AND ALL OTHER ADJACENT FACILITIES.
- NOTIFY THE BUILDING OWNER OF ANY MATERIALS, FIXTURES, ETC. TO BE REMOVED THAT ARE DEEMED SALVAGEABLE. TURN OVER ANY REQUESTED ITEMS TO THE BUILDING OWNER IN GOOD CONDITION.
- THE CONTRACTOR SHALL REMOVE ALL TRASH AND DEBRIS FROM THE SITE ON A DAILY BASIS.
- WHEN UNANTICIPATED MECHANICAL, ELECTRICAL, OR STRUCTURAL ELEMENTS THAT CONFLICT WITH THE INTENDED FUNCTION OR DESIGN ARE ENCOUNTERED, DETERMINE THE NATURE AND EXTENT OF THE CONFLICT AND NOTIFY THE ARCHITECT IMMEDIATELY FOR RESOLUTION.
- PROTECT EXISTING SITE IMPROVEMENTS AND LANDSCAPING TO REMAIN, INCLUDING BUT NOT LIMITED TO EXISTING TREES AND OTHER VEGETATION INDICATED TO REMAIN IN PLACE AGAINST UNNECESSARY CUTTING, BREAKING, OR SKINNING OF ROOTS, SKINNING OR BRUISING OF BARK, SMOTHERING OF TREES BY STOCKPILING CONSTRUCTION MATERIAL OR EXCAVATED MATERIAL WITHIN DRIP LINES.
- CONTRACTOR SHALL PROVIDE TRAFFIC HANDLING MEASURES AS NECESSARY TO PROTECT THE GENERAL PUBLIC AT ALL TIMES, AND AS REQUIRED BY GOVERNING AUTHORITIES.
- DO NOT INTERRUPT EXISTING UTILITIES, EXCEPT WHEN AUTHORIZED IN WRITING BY AUTHORITIES HAVING JURISDICTION. PROVIDE TEMPORARY SERVICES DURING INTERRUPTIONS TO EXISTING UTILITIES, AS ACCEPTABLE TO GOVERNING AUTHORITIES.
- WHEN UTILITY SERVICES ARE REQUIRED TO BE REMOVED, RELOCATED, OR ABANDONED, PROVIDE BYPASS CONNECTIONS TO MAINTAIN CONTINUITY OF SERVICE BEFORE PROCEEDING WITH DEMOLITION.
- CONTRACTOR SHALL BE RESPONSIBLE TO CONTACT ALL UTILITY COMPANIES INCLUDING BUT NOT LIMITED TO THE FOLLOWING: ELECTRIC, GAS, WATER, TELEPHONE, STORM SEWER, AND SANITARY SEWER FOR FIELD LOCATION OF ALL UNDERGROUND AND OVERHEAD UTILITY LINES. PRIOR TO COMMENCEMENT WITH ANY DEMOLITION WORK, CONTRACTOR SHALL IDENTIFY ALL ELECTRICAL CIRCUITS SERVICING THE AREA INVOLVED WITH THIS DEMOLITION. THOSE CIRCUITS SHALL THEN BE LOCKED OUT AND TAGGED OUT IF THEY DO NOT SERVICE ANY OF THE REMAINING BUILDING. THOSE CIRCUITS WHICH ARE IDENTIFIED TO SERVICE BOTH THE AREA TO BE DEMOLISHED AND THE REMAINING BUILDING SHALL BE SPLIT SO AS TO KILL ALL ELECTRICAL POWER TO THE AREA TO BE DEMOLISHED WHILE MAINTAINING POWER TO THE REMAINDER OF THE BUILDING.
- CONTRACTOR TO RE-LOCATE UTILITIES & EQUIPMENT AS REQUIRED TO ACCOMMODATE NEW HVAC, ELECTRICAL & PLUMBING REQUIREMENTS FOR NEW WORK.
- REFER TO MEPT DRAWINGS FOR DEMOLITION OF MEPT SYSTEMS. IDENTIFY WORK REQUIRED BY THIS CONTRACTOR WHICH MAY AFFECT DEMOLITION AND/OR REPAIRS OF ARCHITECTURAL ELEMENTS. COORDINATE WITH RELATED SUBS THE EXTENT OF ALL DEMOLITION WORK.
- PATCH FLOORS, WALLS CEILINGS WHICH REMAIN AT LOCATIONS WHERE PIPES, CONDUITS, ETC. ARE REMOVED AS REQUIRED TO MATCH EXISTING CONDITIONS OR TO RECEIVE NEW FINISHES.
- NOTIFY ARCHITECT & OWNER OF ANY POSSIBLE ASBESTOS CONTAINING MATERIALS DISCOVERED BEFORE PROCEEDING WITH WORK. PROTECT INTERIOR CONSTRUCTION TO REMAIN DURING DEMOLITION AND CONSTRUCTION.
- CONTRACTOR TO OBTAIN ALL NECESSARY PERMITS BEFORE COMMENCING WORK.
- CONTRACTOR TO PROVIDE ALL NECESSARY SHORING FOR PROTECTION OF EXISTING STRUCTURE AND FOUNDATION TO REMAIN.
- ALL DASHED LINES ARE DEMOLITION LINES UNLESS NOTED OTHERWISE.
- NO DEMOLITION SHALL BEGIN UNTIL PLANS INCLUDING THE DEMOLITION WORK HAVE BEEN APPROVED BY DSA.

IDENTIFICATION STAMP  
DIV. OF THE STATE ARCHITECT  
APPROVED 12 02 2019  
DATE 12 02 2019



**ARCHITECT** PRK Architects, Inc.  
VENTURA  
2751 Parkview Cl. Suite 251  
Oxnard, CA 93038  
805-847-3200 P  
805-853-4514 F

**LAND SURVEYOR** DRG, INC.  
621 VIA ALONDA, SUITE 609  
CARMELITO, CA 95021  
831-977-3045 P 831-977-1895 F

**CIVIL** LEWIS ENGINEERING  
1146 E MAIN STREET  
VENTURA, CA 93001  
831-245-1200 P 831-245-0771 F

**MECHANICAL** JE GROUP MECHANICAL ENGINEERS, INC.  
608 EAST FRONT STREET  
VENTURA, CA 93001  
831-992-1722 P 831-992-2800 F

**ELECTRICAL** JE GROUP MECHANICAL ENGINEERS, INC. & ASSOCIATES  
391 COFFEE MILLWAY #100  
CARMELITO, CA 95022  
831-992-1722 P 831-992-2800 F

**PLUMBING** JE GROUP MECHANICAL ENGINEERS, INC.  
608 EAST FRONT STREET  
VENTURA, CA 93001  
831-992-1722 P 831-992-2800 F

**NEW PORTABLE CLASSROOM BUILDING**

777 Allison Street  
Carmelito, CA 93910



**KEY PLAN**

PLAN NORTH  
TRUE NORTH

Engineer

Architect  
HAROLD L. HART  
C-38002  
08-30-2021  
RENEWAL DATE  
STATE OF CALIFORNIA

CLIENT  
CAPE CHARTER SCHOOL

PROJECT NUMBER  
19172

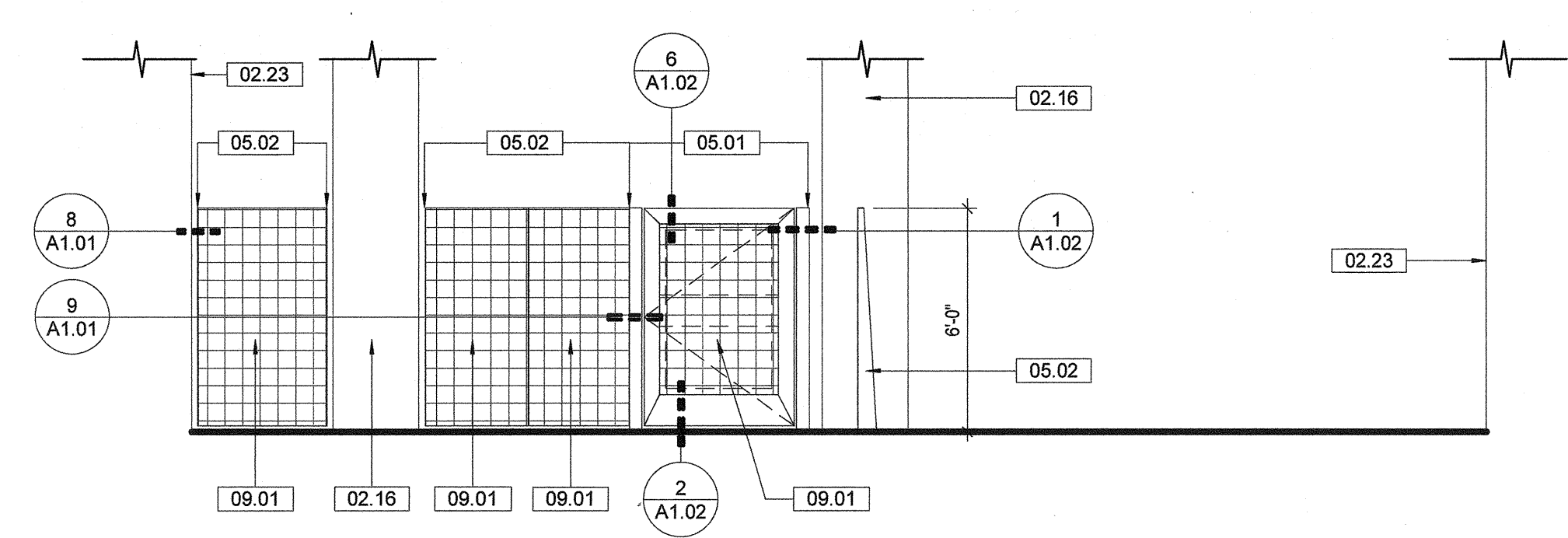
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REVISIONS

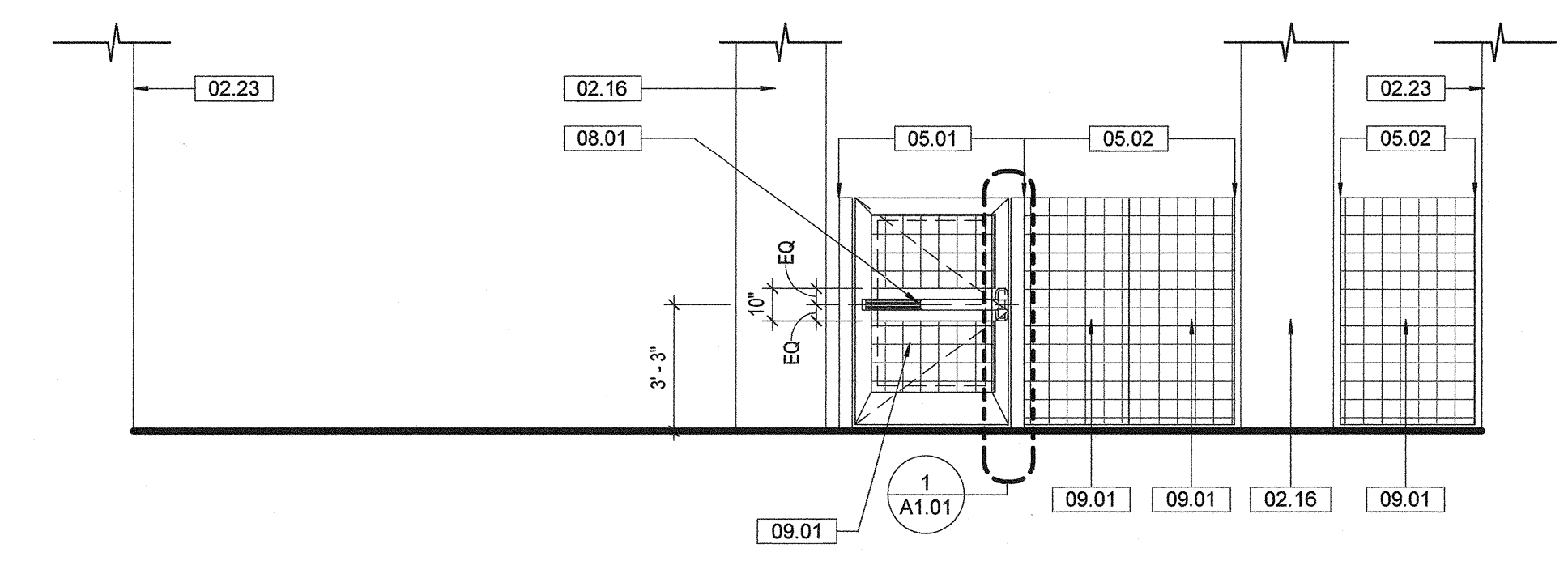
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**FENCE AND GATE DEMOLITION AND NEW PLAN, SITE DETAILS**

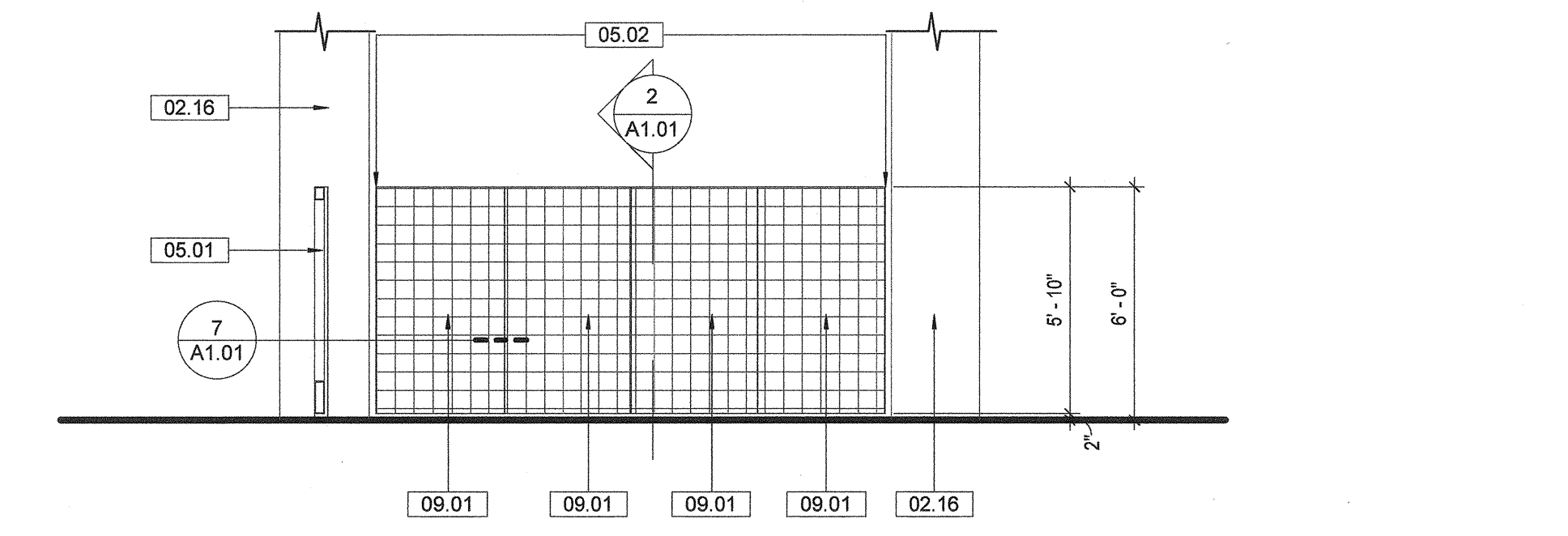
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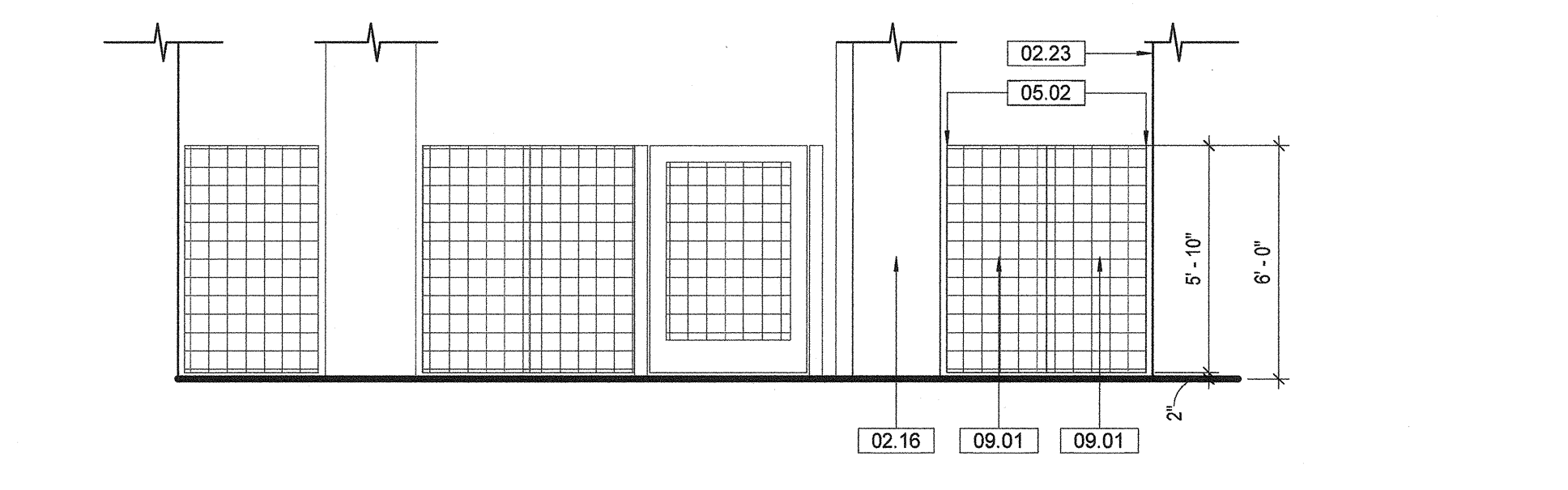
3 SOUTH ELEVATION - GATE & FENCE  
1/4" = 1'-0"



4 NORTH ELEVATION  
1/4" = 1'-0"



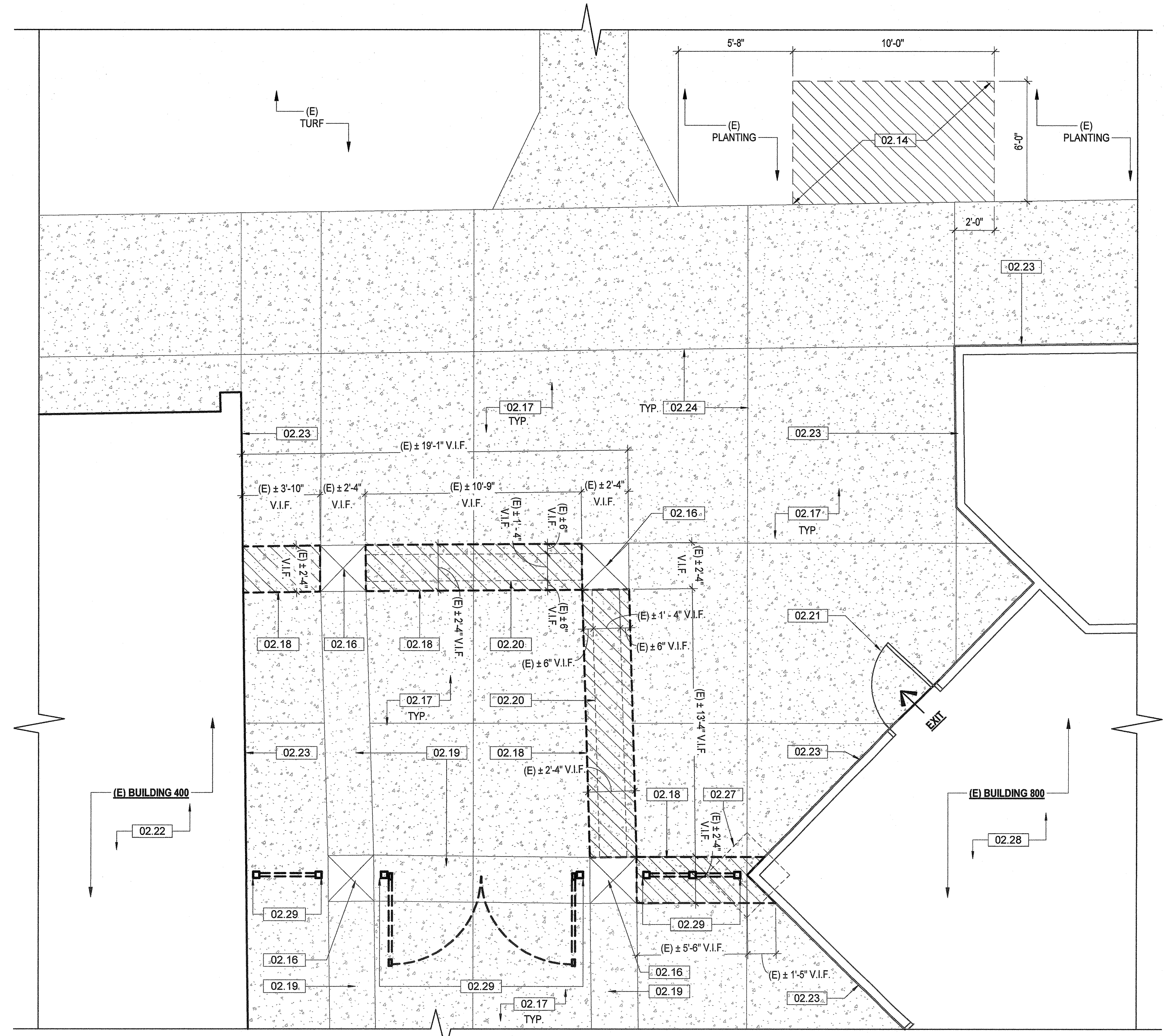
5 EAST ELEVATION  
1/4" = 1'-0"



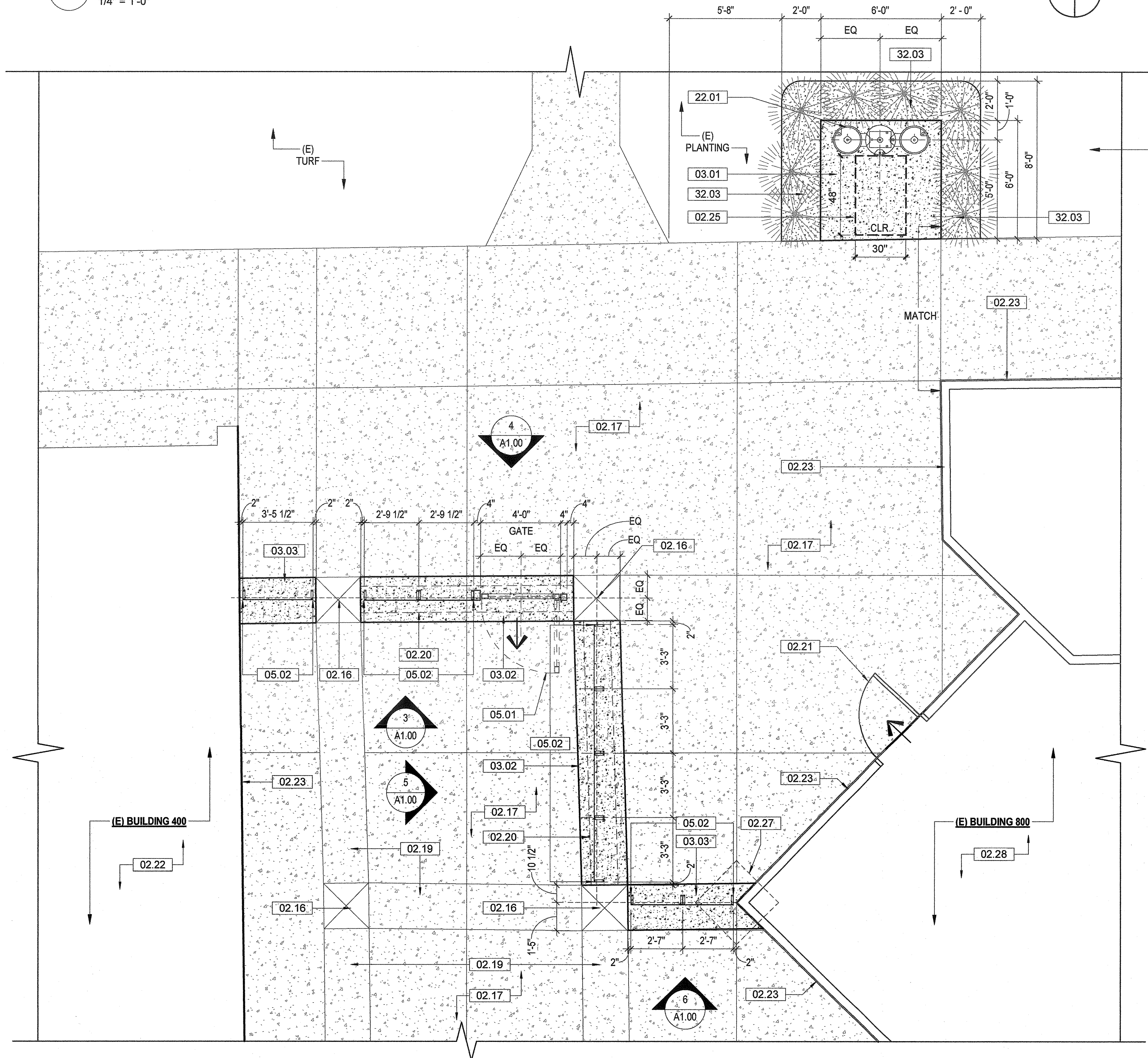
6 SOUTH ELEVATION - FENCE  
1/4" = 1'-0"

**GATE HARDWARE SCHEDULE**

QUANTITY	DESCRIPTION	MODEL NUMBER	FINISH	MANUFACTURER
1	PANIC HARDWARE	GDSP-PA-AX-88-L-NL-WH	630	VON
2	RISC CORE	23-030	638	SCH
1	MORTISE CYLINDER	20-061 CX.XQ11-448 36-083	638	SCH
1	RIM CYLINDER	20-067 ICX	638	SCH
1	WELD-IN LOCK BX	K-BXED-V990NL-2	600	KEE
1	GATE CLOSER	MAMMOTH180	689	LOX
1	FLOOR STOP	FS16L	BLK	IVE



1 ENLARGED GATE DEMOLITION FLOOR PLAN  
1/4" = 1'-0"



2 ENLARGED GATE, FENCE AND DRINKING FOUNTAIN FLOOR PLAN  
1/4" = 1'-0"

CHECKED BY: Checker

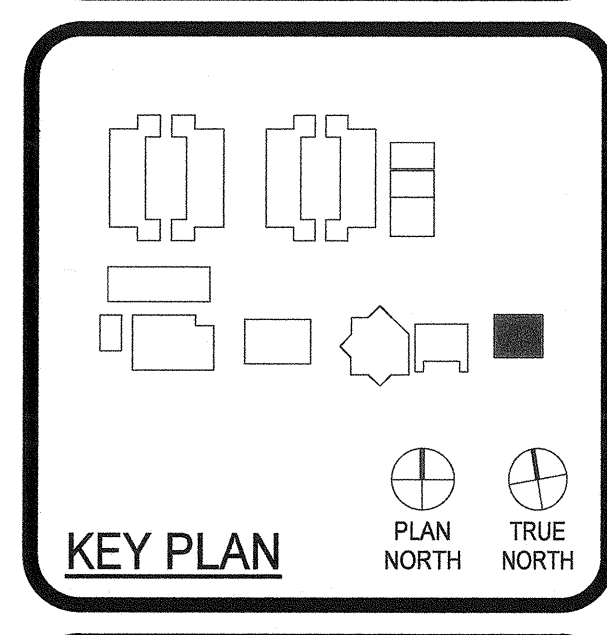
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DIV. OF THE STATE ARCHITECT  
APPROVED 120980  
AC. VLS / SS  
DATE 02 02 2019

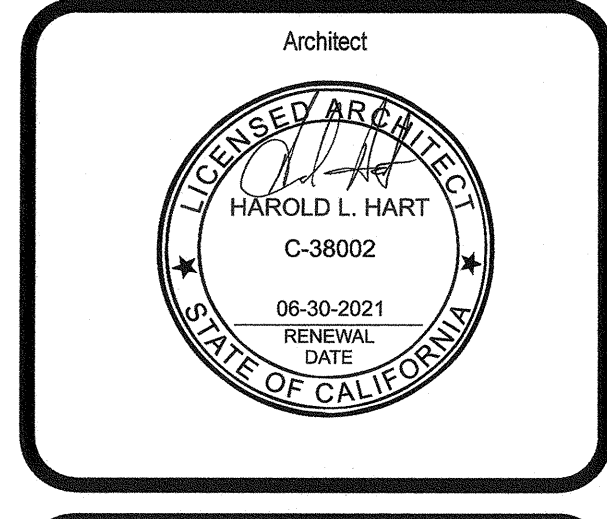


ARCHITECT PBK Architects, Inc.  
VENTURA  
2751 Parkview Ct. Suite 251  
Oxnard, CA 93038  
805-347-3300 P  
805-853-4514 F  
LAND SURVEYOR 621 VIA ALCONDA, SUITE 400  
CARMELITO, CA 95021  
805-867-3545 P 805-867-1991 F  
CIVIL 1142 E MAIN STREET  
VENTURA, CA 93001  
805-648-1300 P 805-648-8741 F  
MECHANICAL AE GROUP MECHANICAL ENGINEERS, INC.  
839 EAST FRONT STREET  
VENTURA, CA 93001  
805-653-1722 P 805-653-7290 F  
ELECTRICAL 3201 COSTA MESA BLVD #600  
CARMELITO, CA 95011  
805-653-1722 P 805-653-7290 F  
PLUMBING AE GROUP MECHANICAL ENGINEERS, INC.  
839 EAST FRONT STREET  
VENTURA, CA 93001  
805-653-1722 P 805-653-7290 F

NEW PORTABLE CLASSROOM BUILDING  
777 Alhambra Street  
Carmelito, CA 93010



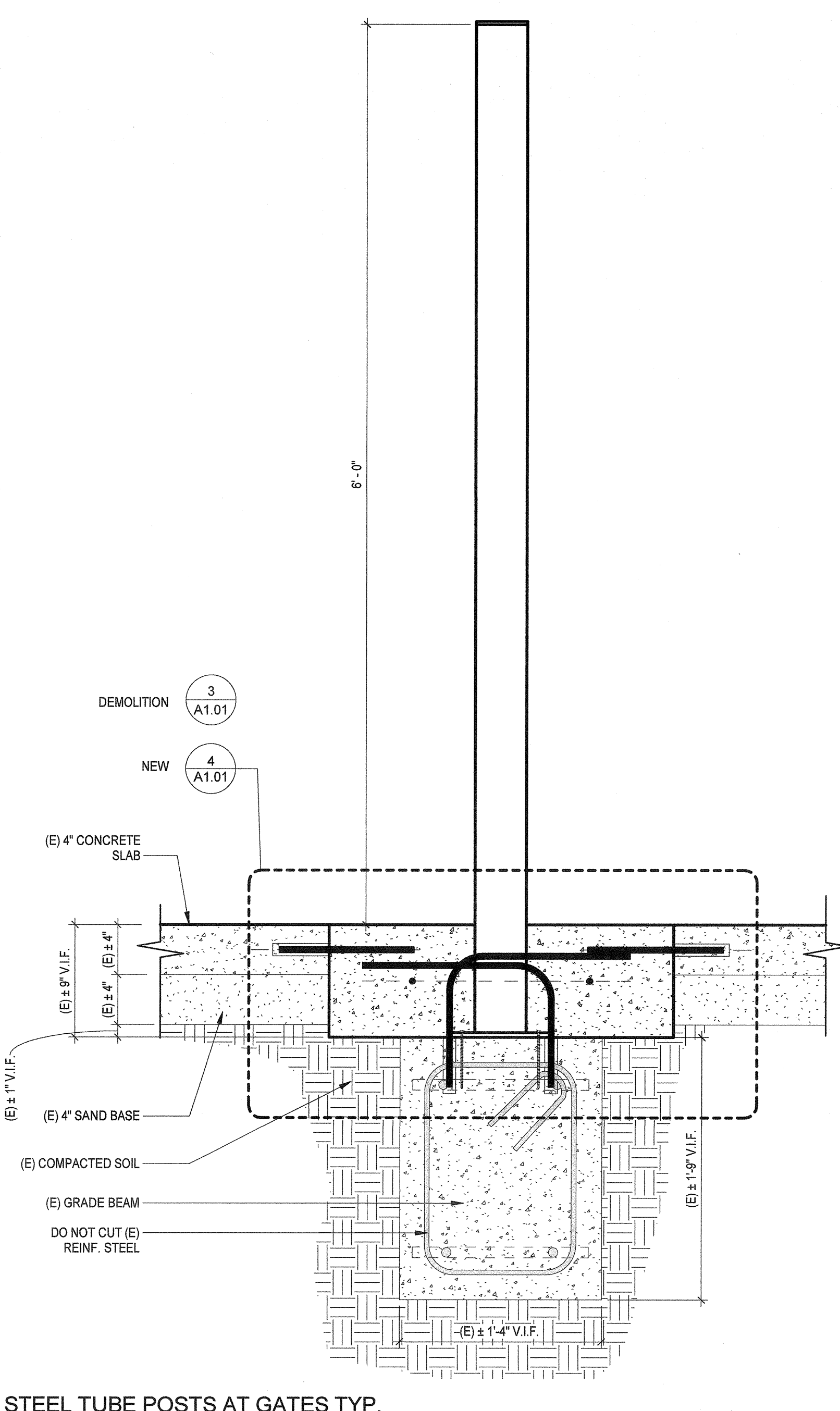
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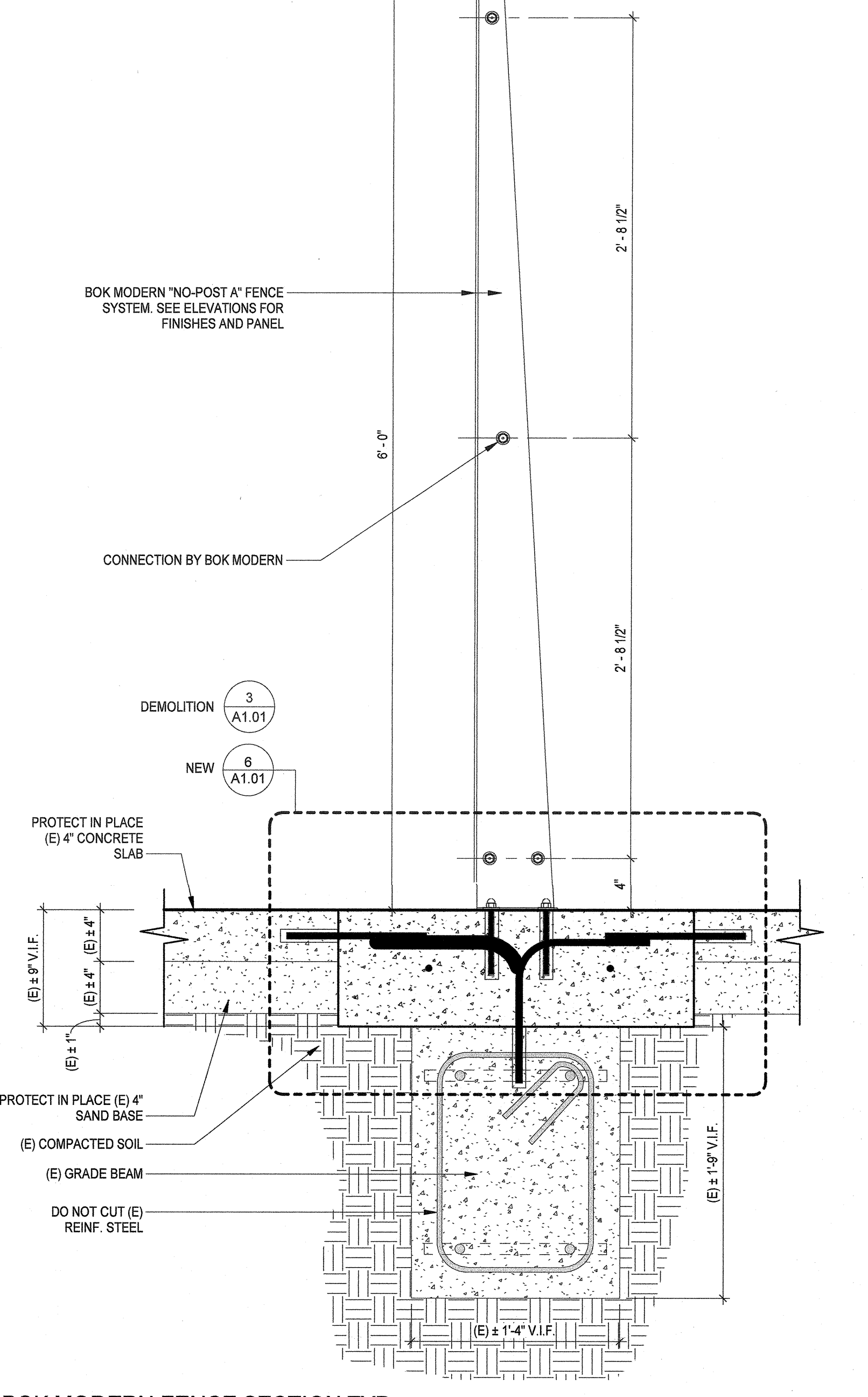
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PROJECT NUMBER: 19172  
DATE: 10/01/2019  
REVISIONS:  
No. Description Date  
1 BACK CHECK - T 10/03/2019

SITE DETAILS

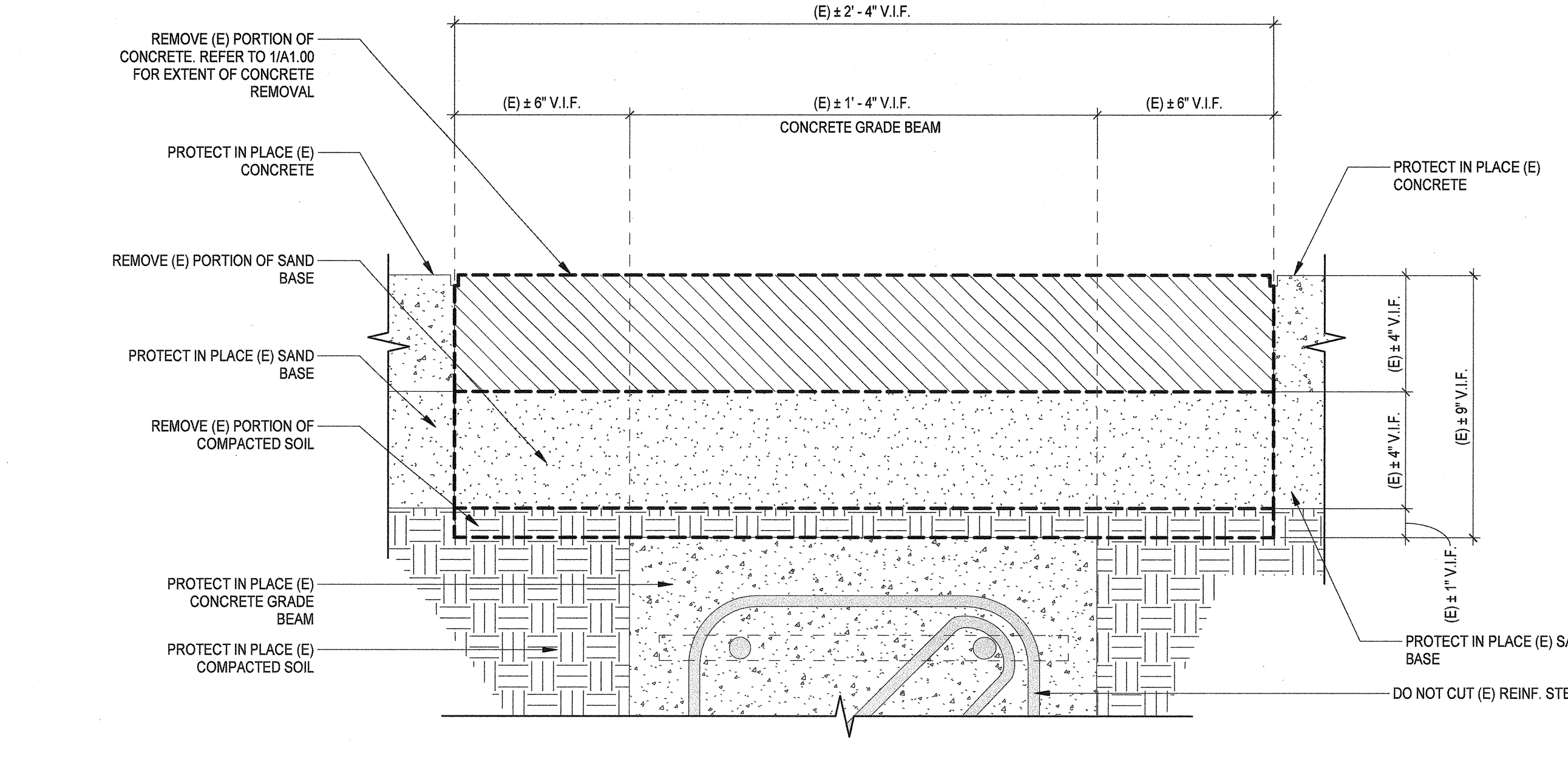
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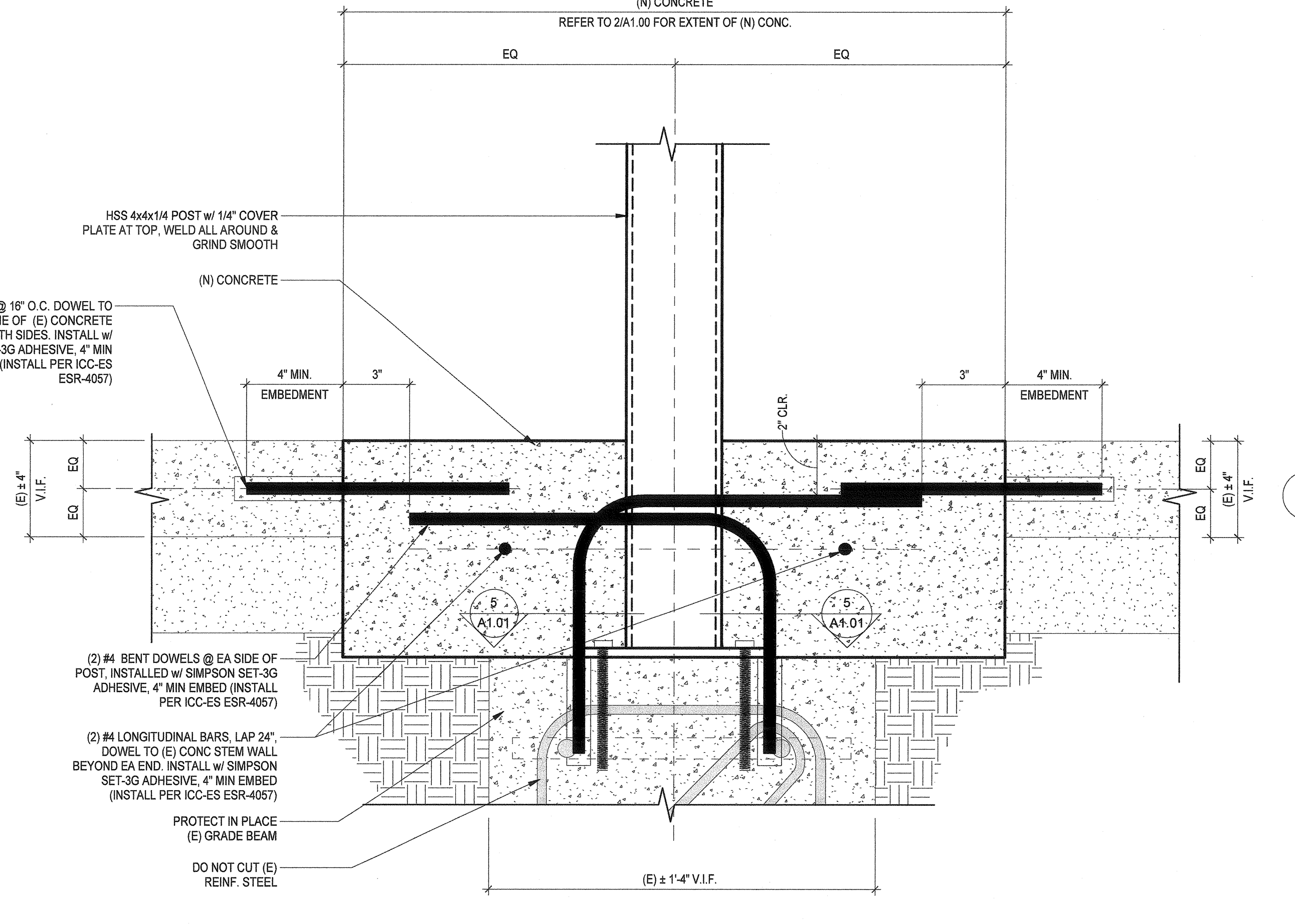
1 STEEL TUBE POSTS AT GATES TYP.  
1 1/2" = 1'-0"



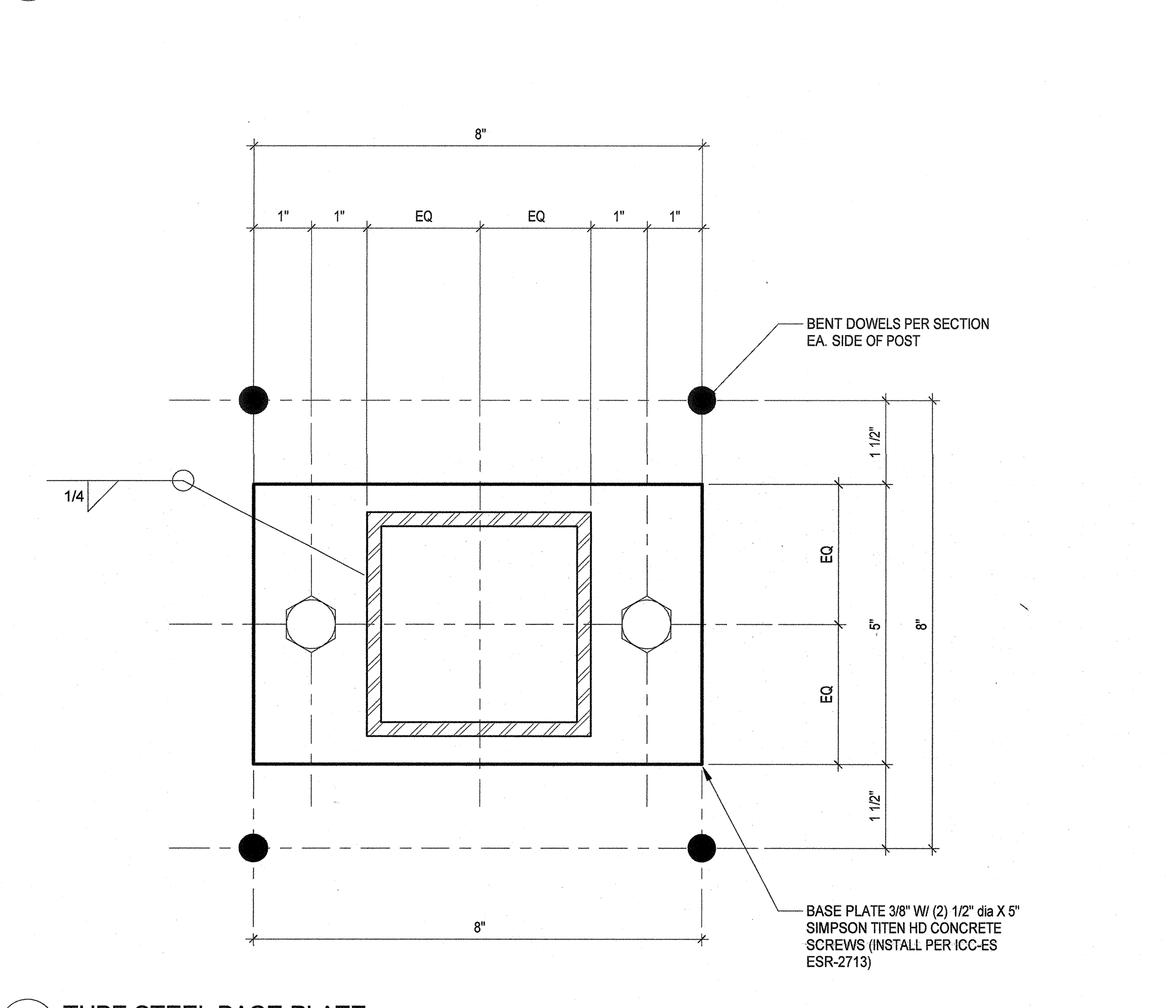
2 BOK MODERN FENCE SECTION TYP.  
1 1/2" = 1'-0"



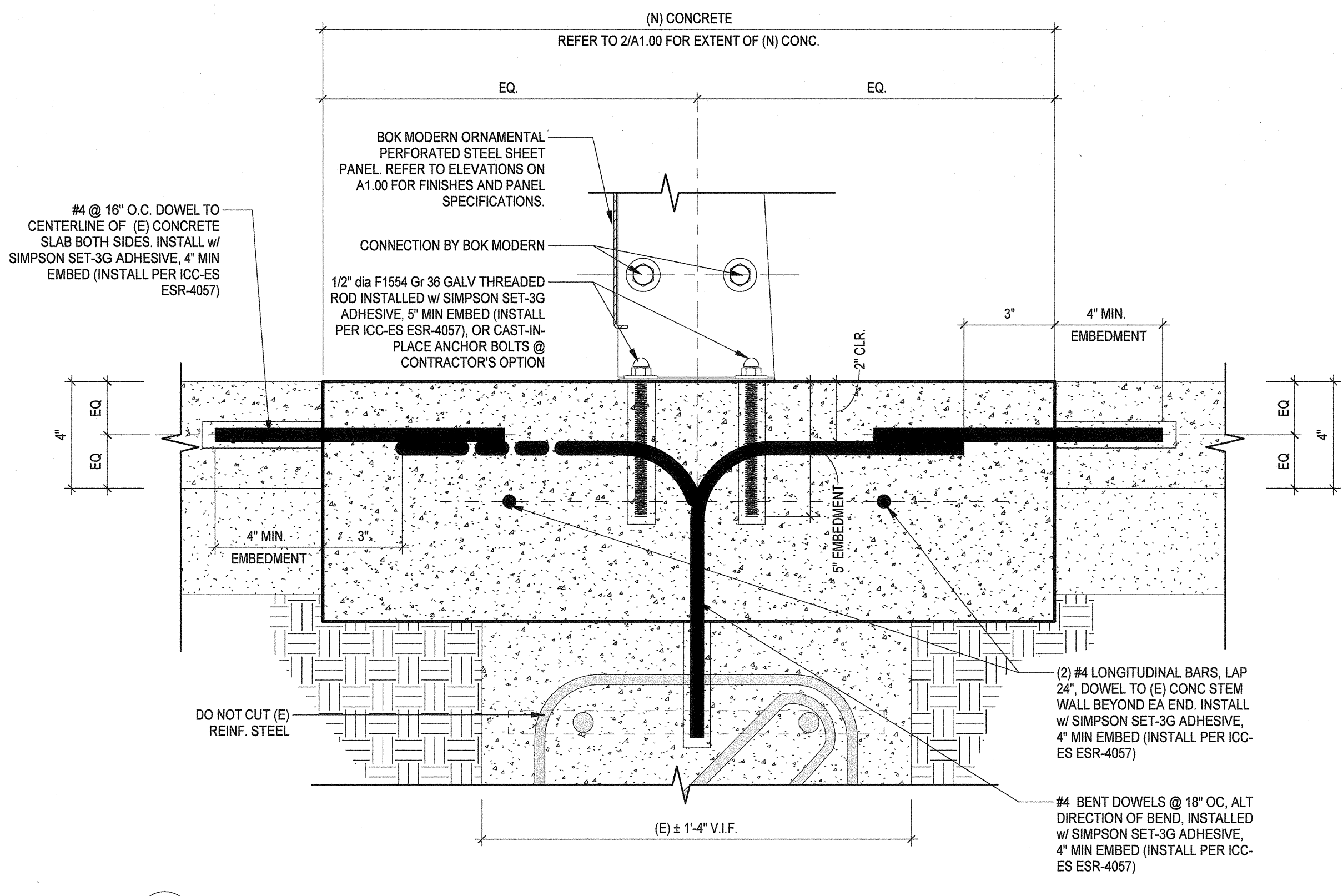
3 CONCRETE REMOVAL  
3" = 1'-0"



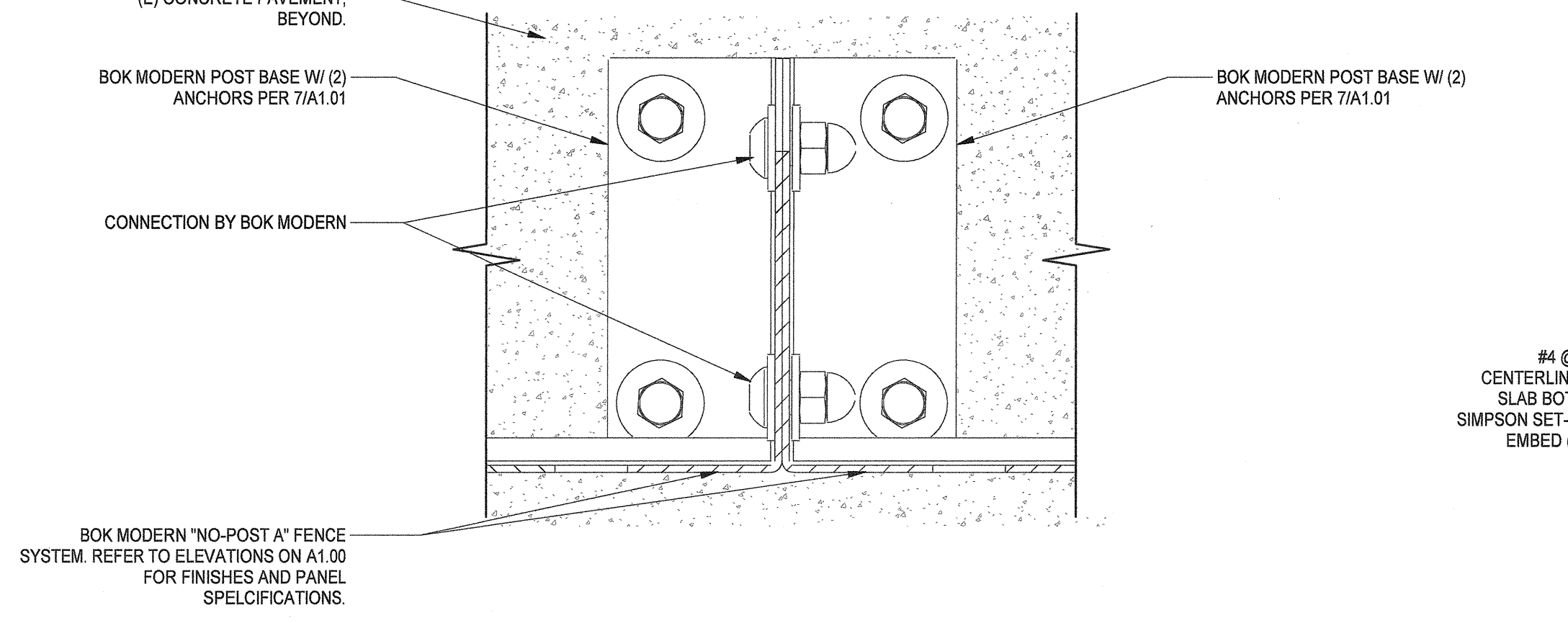
4 FOUNDATION AT GATE TUBE STEEL  
3" = 1'-0"



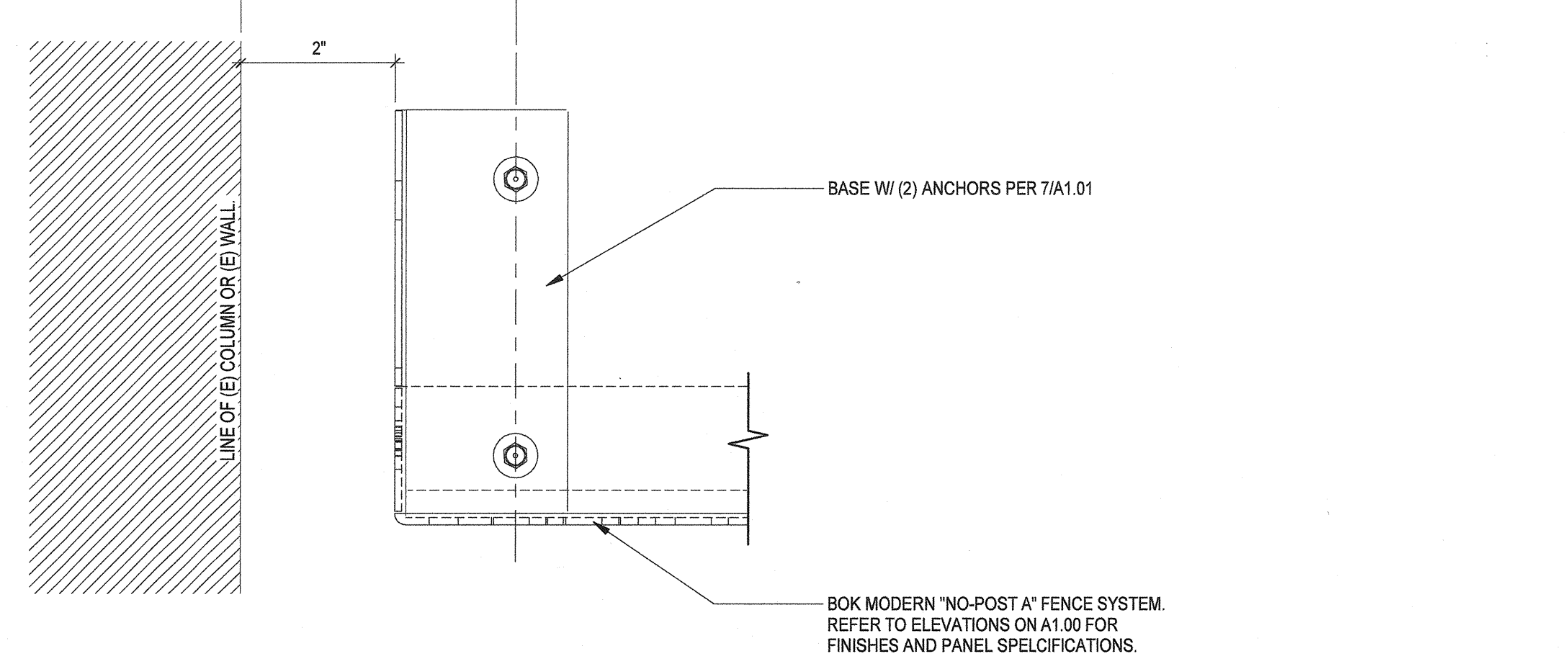
5 TUBE STEEL BASE PLATE  
6" = 1'-0"



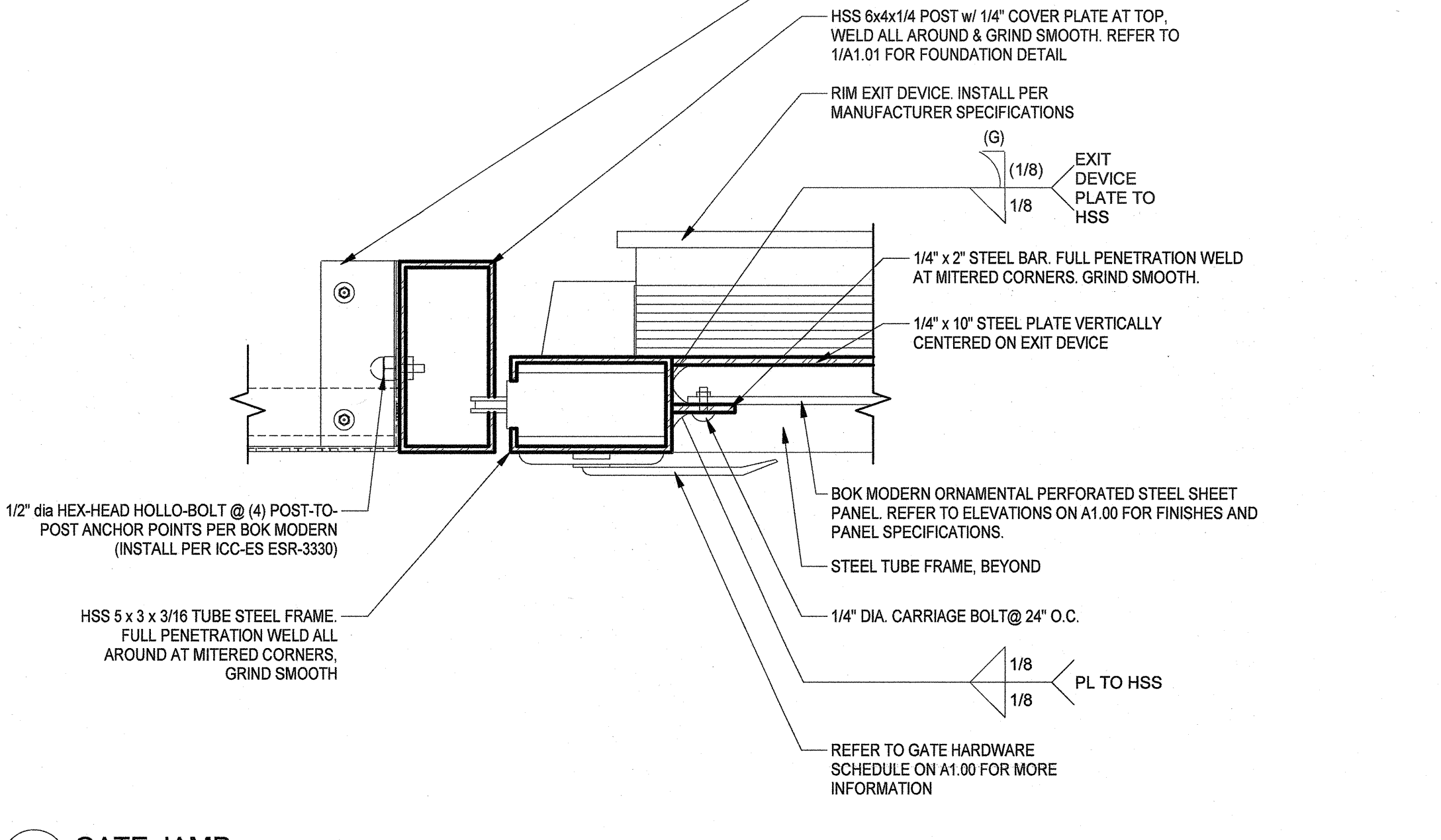
6 BOK MODERN 'NO POST A' FENCE SYSTEM ATTACHMENT  
3" = 1'-0"



7 BOK MODERN 'NO POST A' FENCE SYSTEM PANEL ATTACHMENT  
6" = 1'-0"



8 BOK MODERN 'NO POST A' FENCE SYSTEM AT (E) WALL / (E) COLUMN  
6" = 1'-0"



9 GATE JAMB  
3" = 1'-0"

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10/22/2019 4:41:03 PM  
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DRAWN BY: Author

IDENTIFICATION STAMP  
DIV. OF THE STATE ARCHITECT  
APPD 120280  
AC: WFLS / SS, ET  
DATE: OCT. 03 2019



ARCHITECT PBK Architects, Inc.  
VENTURA  
2751 Parkview Ct. Suite 251  
Oxnard, CA 93038  
805-947-5000 P  
805-853-4514 F

LAND SURVEYOR  
821 VA ALONDA, SUITE 600  
CARMELITO, CA 93902  
805-957-3565 P 805-957-9559 F

CIVIL  
1140 E MAIN STREET  
VENTURA, CA 93001  
805-648-1300 P 805-648-0721 F

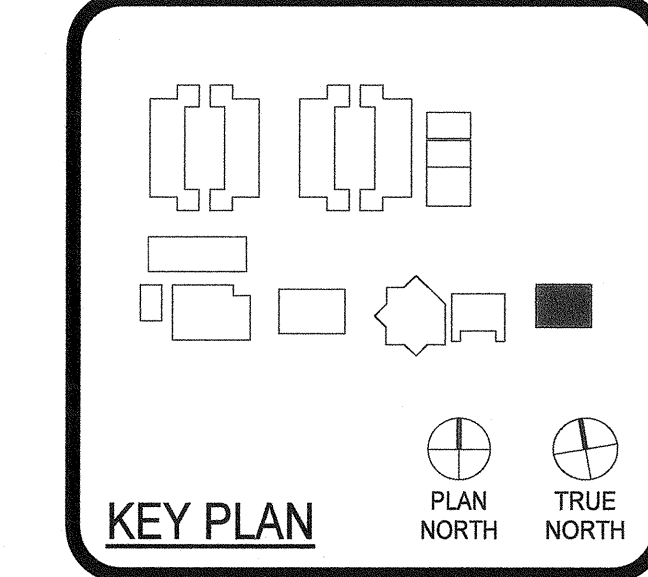
MECHANICAL  
AE GROUP MECHANICAL ENGINEERS, INC.  
838 EAST FRONT STREET  
VENTURA, CA 93001  
805-653-1722 P 805-653-2960 F

ELECTRICAL  
2291 CORTE MALIBU AND 985  
CARMELITO, CA 93912  
805-330-3000

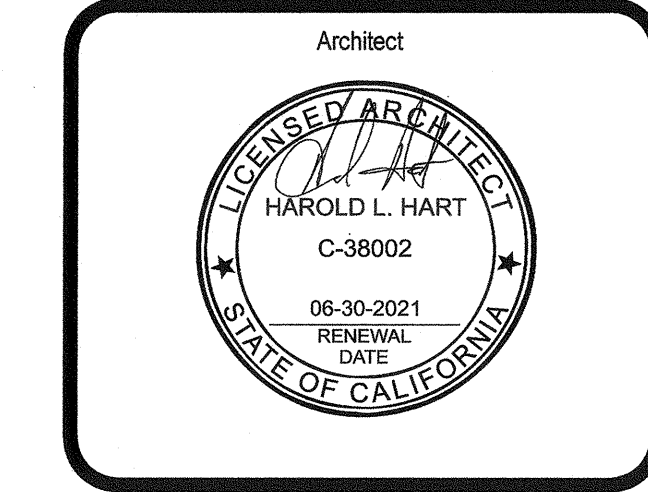
PLUMBING  
AE GROUP MECHANICAL ENGINEERS, INC.  
838 EAST FRONT STREET  
VENTURA, CA 93001  
805-653-1722 P 805-653-2960 F

NEW PORTABLE CLASSROOM BUILDING

777 Alhambra Street  
Carmelito, CA 93910



Engineer



CLIENT  
CAPE CHARTER SCHOOL

PROJECT NUMBER  
19172

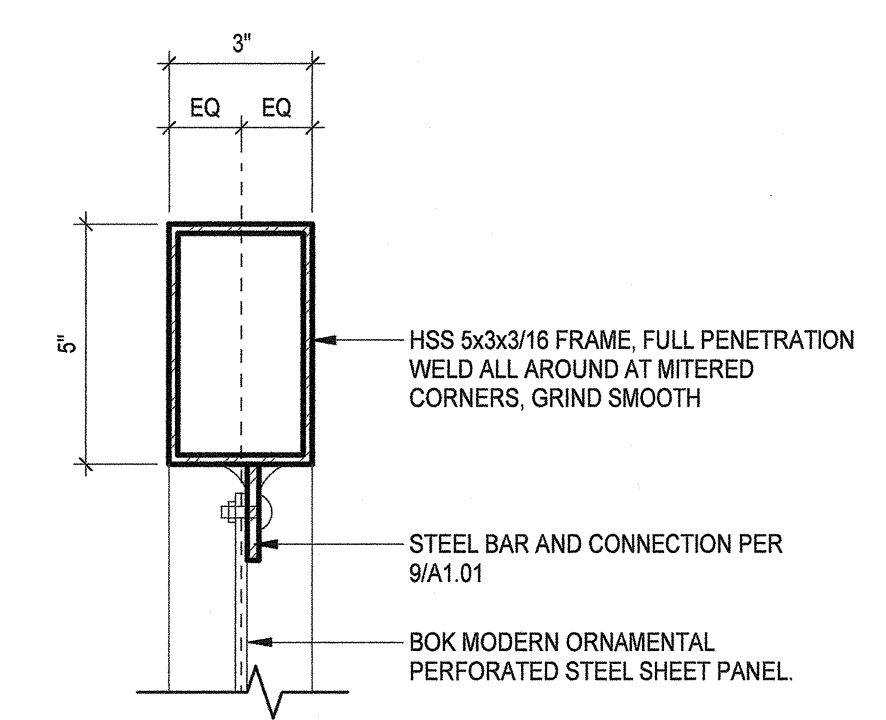
DATE  
10/01/2019

REVISIONS

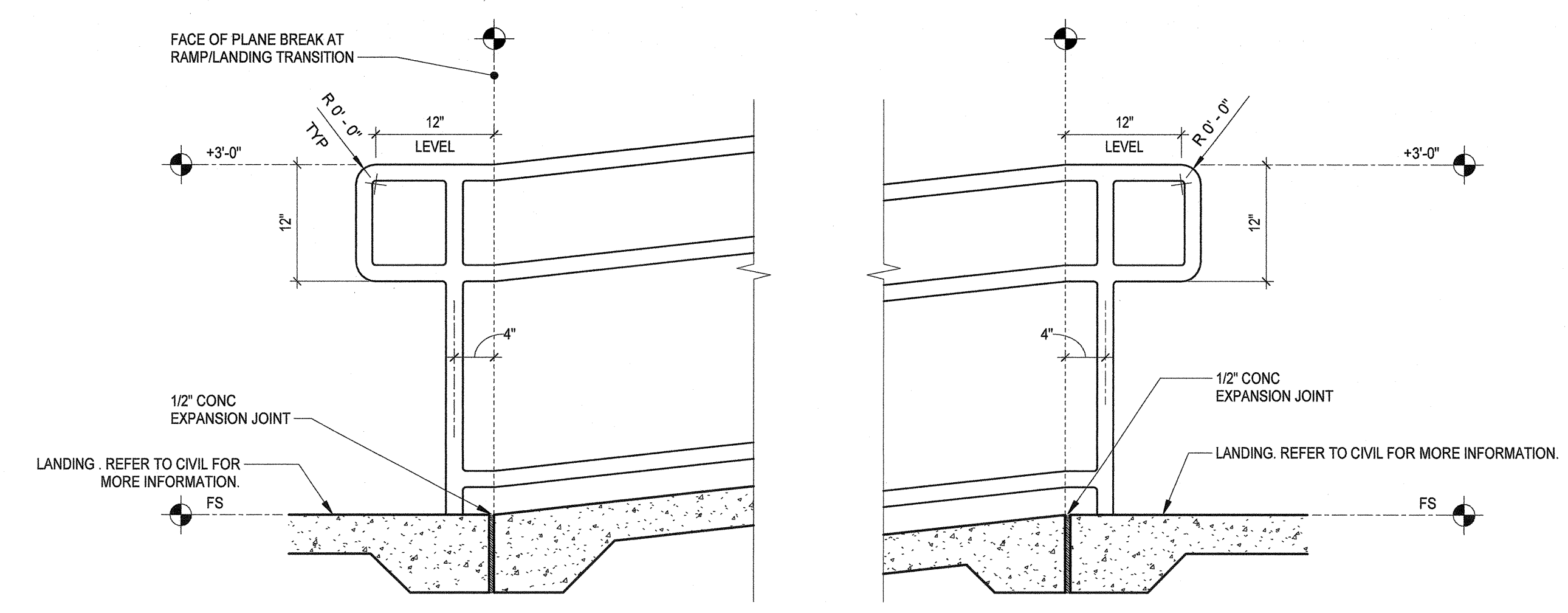
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SITE DETAILS

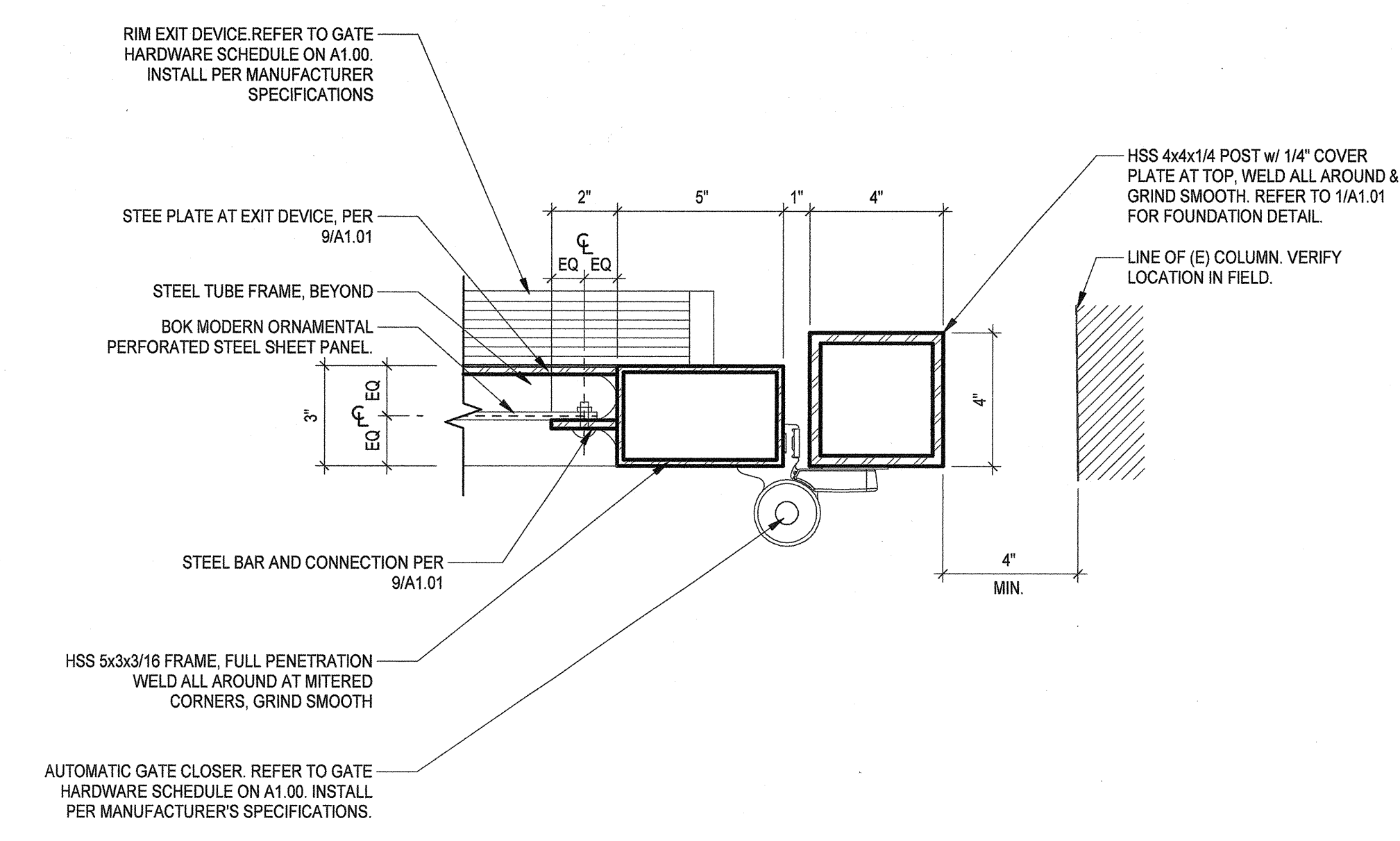
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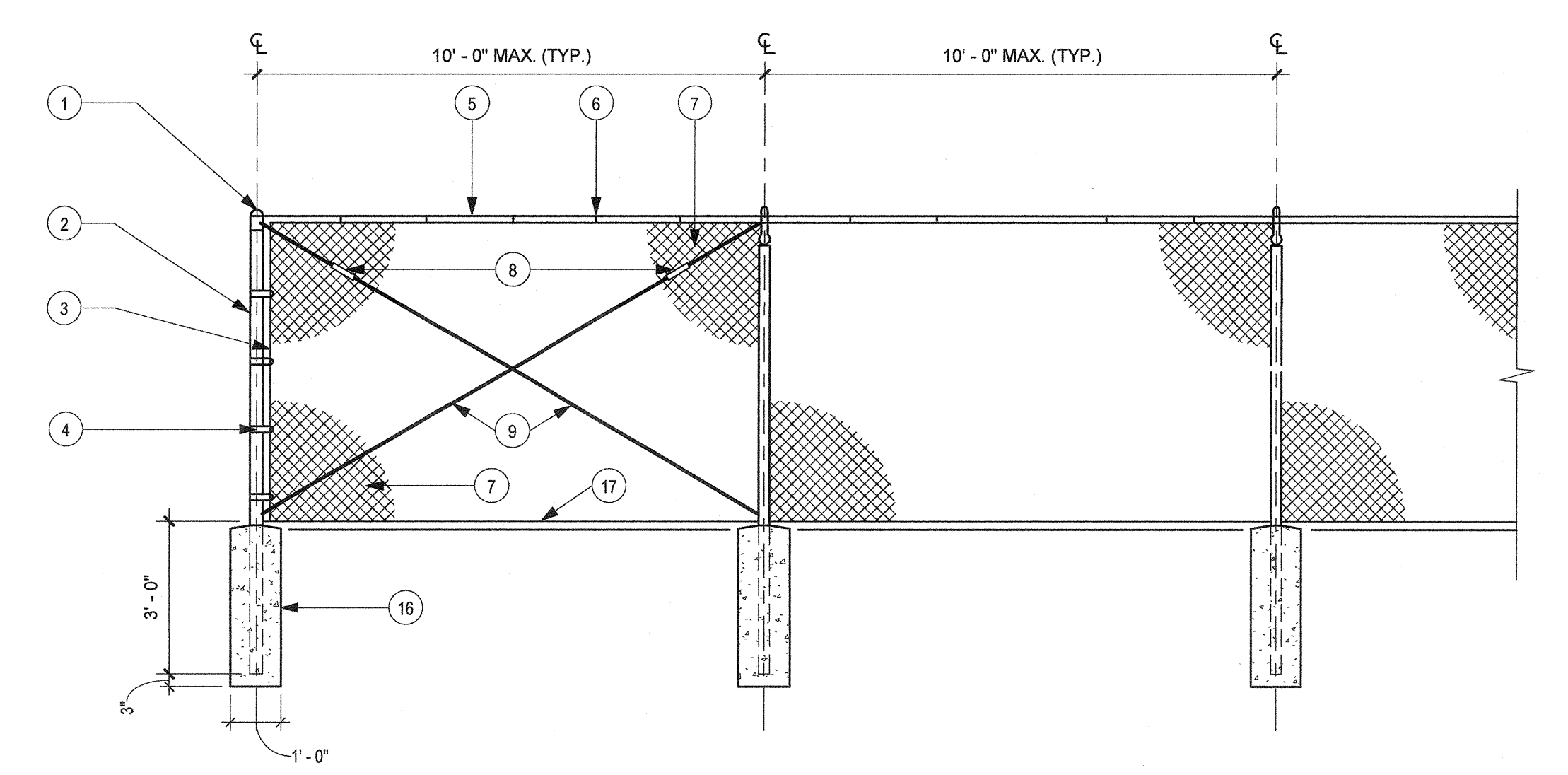
6 GATE HEAD DETAIL  
3" = 1'-0"



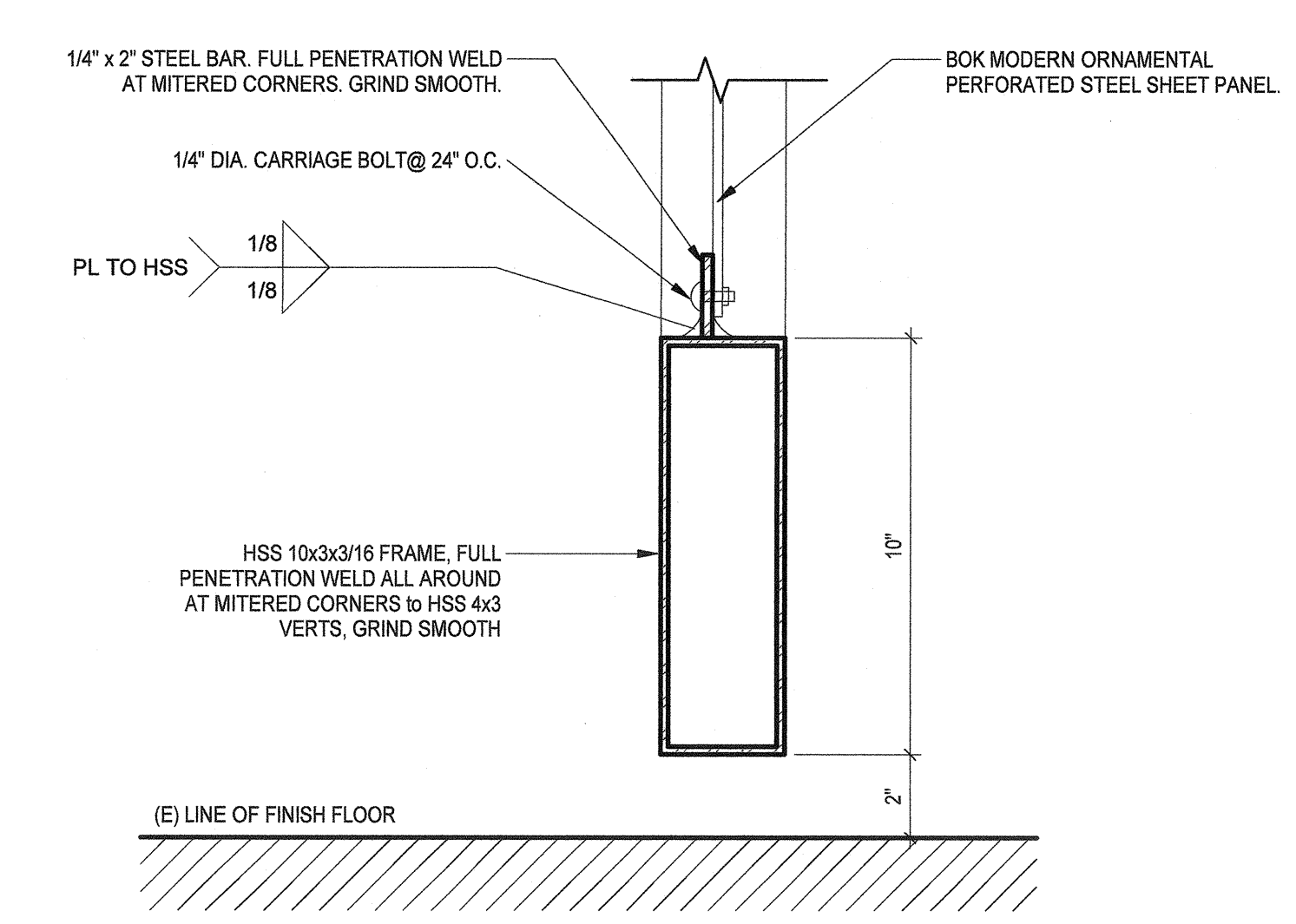
4 FREESTANDING RAIL @ RAMP ELEVATION  
1" = 1'-0"



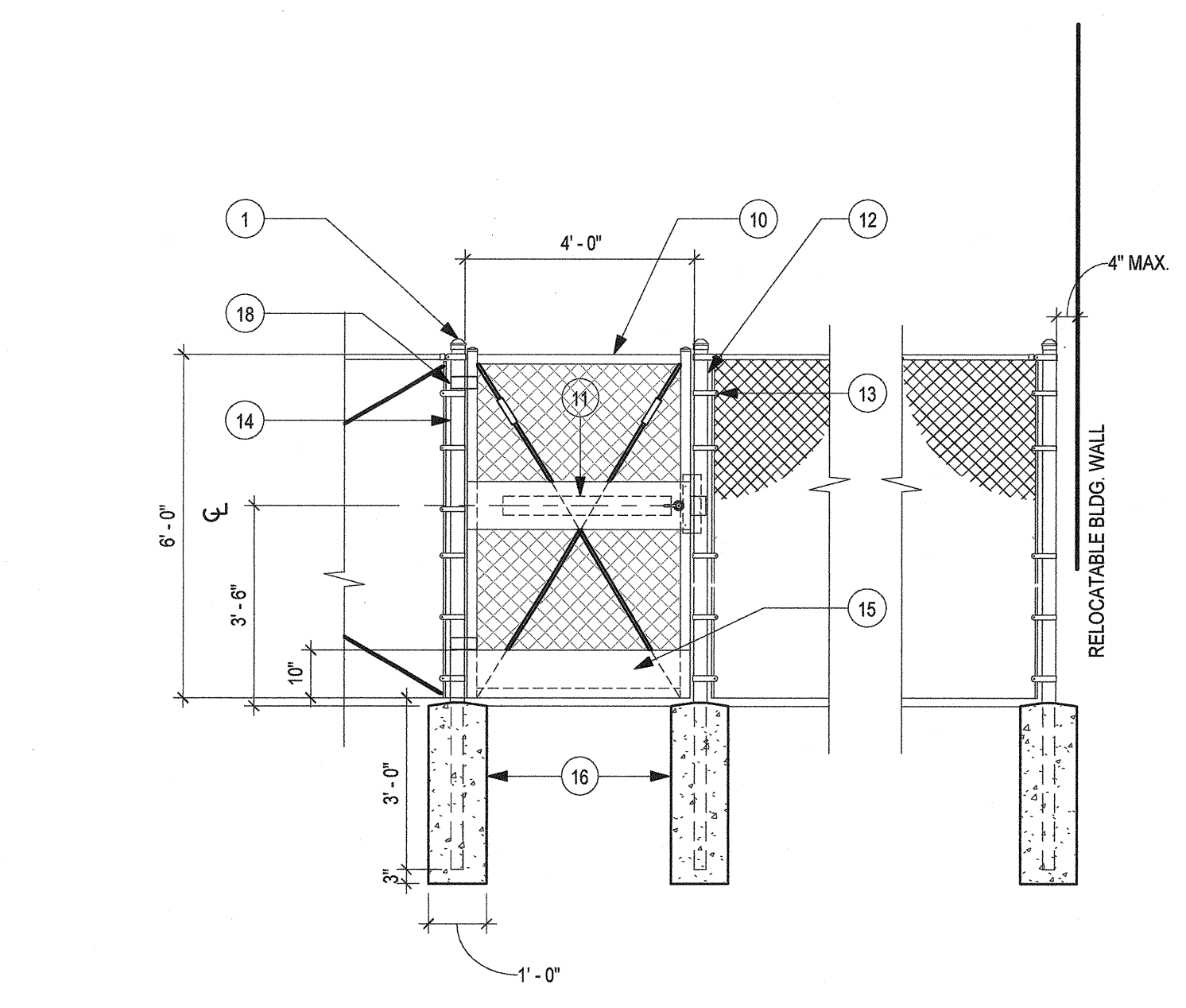
1 STEEL TUBE AT AUTOMATIC GATE HINGE  
3" = 1'-0"



5 CHAIN-LINK FENCE DETAILS  
3/8" = 1'-0"

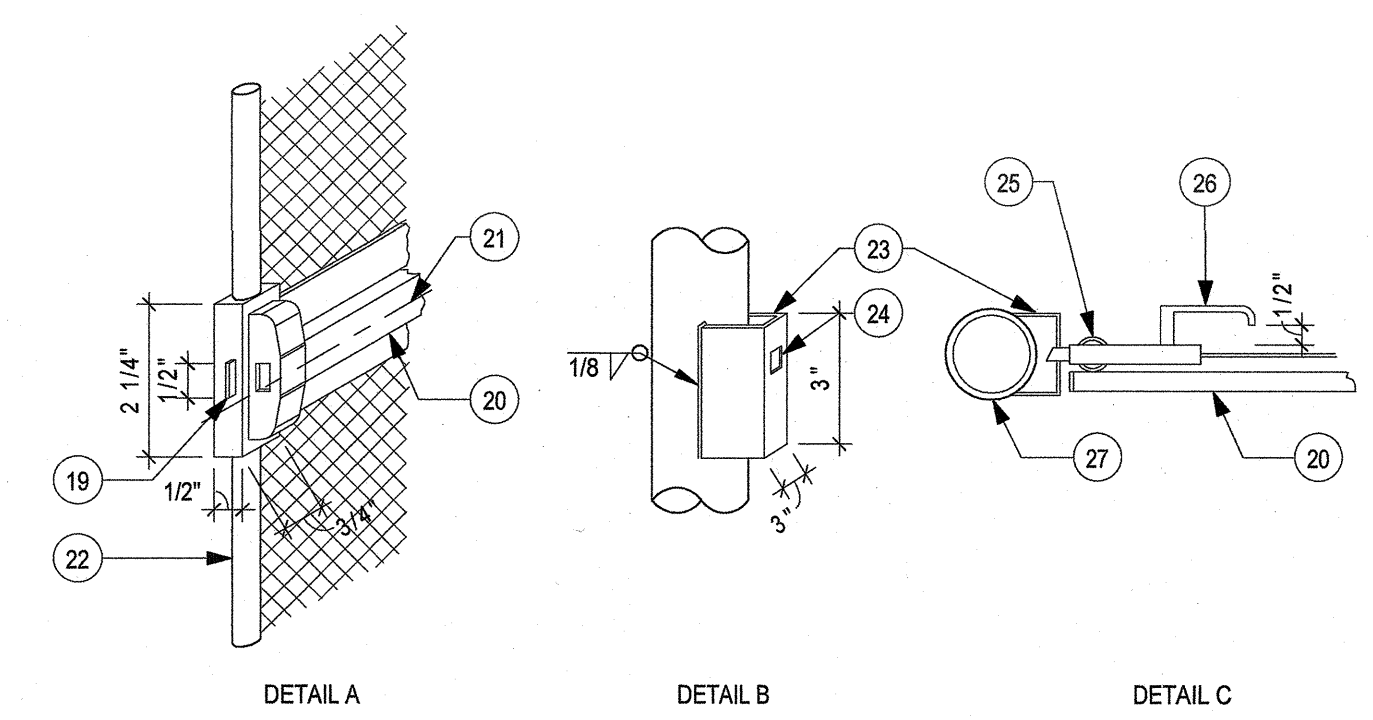


2 GATE KICK PLATE  
3" = 1'-0"

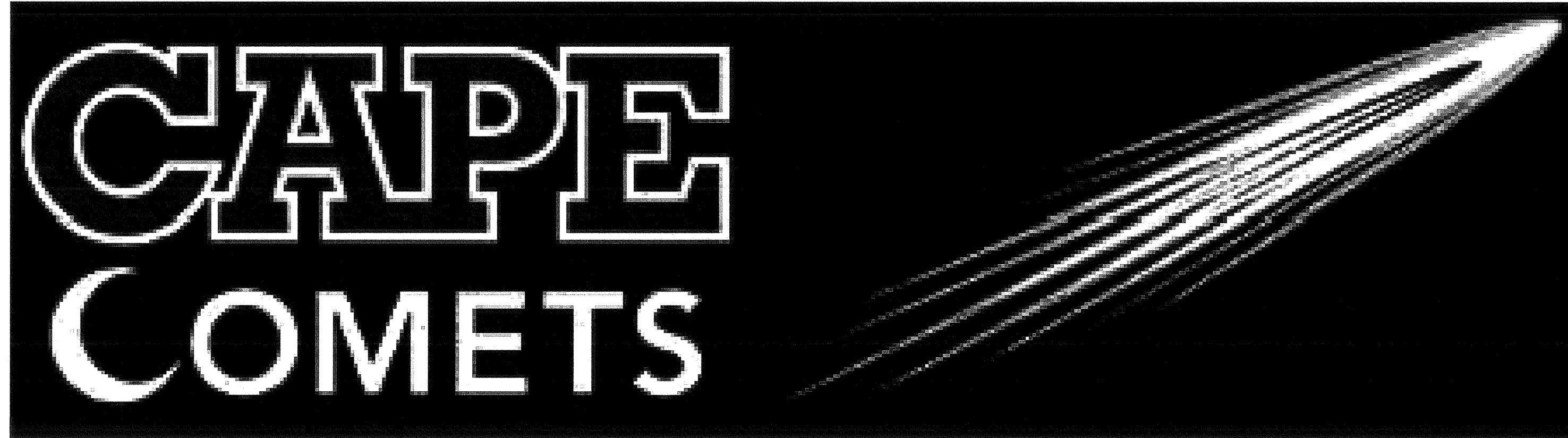


3 RAMP RAIL SECTION  
1 1/2" = 1'-0"

- 1 GALVANIZED RAIN PROOF POST CAP, TACK WELD
- 2 2 7/8" O.D. GALVANIZED STEEL LINE POST (3.85 LB/FT)
- 3 1/4" X 3/4" GALVANIZED STEEL STRETCHER BAR
- 4 3/16" THICK GALVANIZED STEEL STRETCHER BAR TENSION BAND AT 12" MAXIMUM SPACING. MINIMUM OF 7 TENSION BANDS FOR EACH 8' POST SECTION.
- 5 1 5/8" O.D. GALVANIZED STEEL HORIZONTAL RAIL (2.27 LB/FT)
- 6 9 GAUGE (0.148" DIA.) GALVANIZED STEEL TIE WIRES OR HOOP RINGS AT 15" MAXIMUM SPACING. MINIMUM OF 8 TIE WIRES PER EACH 10' HORIZONTAL RAIL OR TENSION WIRE.
- 7 2" X 2" MESH X 9 GAUGE GALVANIZED FENCE FABRIC WITH KNUCKLED TOP AND BOTTOM SELVAGE. FENCE FABRIC TO BE GALVANIZED BEFORE WEAVING.
- 8 6" LONG GALVANIZED ADJUSTABLE TURNBUCKLE FOR 3/8" DIAMETER TRUSS ROD
- 9 3/8" DIAMETER GALVANIZED STEEL ADJUSTABLE TRUSS ROD. TRUSS RODS REQUIRED FOR ALL GATE POST PANELS, END OR CORNER POST PANELS.
- 10 2" O.D. GALVANIZED STEEL GATE FRAME (2.72 LB/FT)
- 11 CORBIN RUSSWIN ED8000 SERIES PUSH PAD EXIT DEVICE (ED 8200 48"XP857 WITH 20-057 CYLINDER AND 20-740 CORE). ALL KEYING TO BE COORDINATED AND DONE AS DIRECTED BY THE DISTRICT. REFER TO DETAIL 9A FOR MORE INFORMATION.
- 12 2 7/8" O.D. GALVANIZED STEEL CORNER, WALK GATE OR END POST (5.79 LB/FT)
- 13 9 GAUGE (0.192" DIA.) GALVANIZED STEEL POST CLIPS AT 14" MAXIMUM SPACING. MINIMUM 5 POST CLIPS FOR EACH 8' POST.
- 14 4" O.D. GALVANIZED STEEL GATE POST (10.79 LB/FT)
- 15 10" HIGH, 1/4" THICK STEEL PLATES WELDED TO THE GATE FRAME. ON THE INSIDE AND OUTSIDE OF THE BOTTOM FULL WIDTH OF THE GATE. THE STEEL PLATE AND WELDS SHALL BE GALVANIZED FOR CORROSION RESISTANCE.
- 16 CONCRETE POST FOOTING (MINIMUM 3,000 PSI AT 28 DAYS)
- 17 7 GAUGE (0.177" DIA) GALVANIZED STEEL TENSION WIRE
- 18 GALVANIZED MALLEABLE IRON HINGE.
- 19 STOP PLATE
- 20 CORBIN RUSSWIN ED 8000 48" PUSH PAD EXIT DEVICE OR APPROVED EQUAL
- 21 SET 3/4" MIN - 48" MAX ABOVE FINISH GROUND
- 22 2" DIA. GATE FRAME
- 23 FABRICATE FROM 1/4" GAL. STEEL PLATE
- 24 STRIKE WITH SLOTTED HOLE
- 25 GATE FRAME - MODIFIED TO ACCEPT LATCH BOX, WELD BOX TO FRAME
- 26 KEYED LEVER HANDLE FOR PANIC BAR
- 27 GATE POST



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# CAMARILLO ACADEMY OF PROGRESSIVE EDUCATION

777 AILEEN ST, CAMARILLO, CA 93010

NO.	DATE	REVISION

PC PROFESSIONAL OF RECORD

AOL ARCHITECT



## SHEET INDEX

SHEET	DESCRIPTION
<b>ARCHITECTURALS</b>	
A0.0PS	TITLE SHEET
A1.3PS	FLOOR PLAN
A2.3PS	REFLECTED CEILING PLAN
A4.3PS	INTERIOR ELEVATIONS
A5.3PS	EXTERIOR ELEVATIONS
<b>MECHANICAL</b>	
M1.3PS	MECHANICAL PLAN
<b>ELECTRICAL</b>	
E3.0PS	ELECTRICAL PLAN
<b>PLUMBING</b>	
P0.0PS	PLUMBING SCHEDULES & DETAILS
P3.0PS	PLUMBING PLAN
P3.1PS	PLUMBING ACCESSORIES

SHEET	DESCRIPTION
<b>PC 02-116677</b>	
<b>SHEET NO. ARCHITECTURAL</b>	
A0.0	TITLE SHEET
A0.1	SPECIFICATIONS AND NOTES
A0.2	CONSTRUCTION MATERIALS AND SPECIFICATIONS
A0.3	FINISH, DOOR & WINDOW SCHEDULES
A0.4	SIGNAGE SPECIFICATIONS AND ACCESSIBILITY
A0.6	CAL GREEN REQUIREMENTS
A0.8	DSA DOCUMENTS
A1.3	FLOOR PLAN 48'x40'
A2.0	REFLECTED CEILING DETAILS
A2.3	REFLECTED CEILING PLAN 48' x 40'
A3.3	ROOF DETAILS-26 GA METAL
A3.4	ROOF PLAN MONO SLOPE-26 GA METAL
A4.3	INTERIOR ELEVATIONS 48' x 40'
A5.3	EXTERIOR ELEVATIONS 48' x 40' - WOOD SIDING
A8.0	ARCHITECTURAL DETAILS WOOD STUD OPTION
A8.1	ARCHITECTURAL DETAILS
A8.2	SHEET METAL AND FLASHING DETAILS
A10.0	RESTROOM ACCESSORIES SCHEDULE & DETAILS
A10.1	RESTROOM ACCESSIBILITY DETAILS
A12.2	48' x 40' RESTROOM OPTIONS & ACCESSORY PLAN FOUNDATION
F1.0	WOOD PAD FOUNDATION DETAILS
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S0.0a	STRUCTURAL NOTES AND SPECIFICATIONS
S0.1	BUILDING SECTIONS PLYWOOD FLOOR
S0.3	TYPICAL STRUCTURAL DETAILS
S1.0	FLOOR FRAMING DETAILS-PLYWOOD
S1.1	FLOOR FRAMING PLAN-PLYWOOD
S2.0	ROOF FRAMING DETAILS
S2.1	ROOF TRUSS AND DETAILS
S2.2	ROOF FRAMING PLAN-PLYWOOD SHEATHING
S3.0	WALL FRAMING DETAILS-WOOD STUD
S3.2	WALL FRAMING ELEVATIONS
S4.0	ALLOWABLE BEAM AND HEADER PENETRATION
<b>MECHANICAL</b>	
M0.0	MECHANICAL SCHEDULES AND NOTES
M0.1	MECHANICAL DETAILS
M1.3	MECHANICAL PLAN WALL MOUNT 48' x 40'
M3.0	TITLE 24 REPORTS 1 OF 9
M3.1	TITLE 24 REPORTS 2 OF 9
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M3.3	TITLE 24 REPORTS 4 OF 9
M3.4	TITLE 24 REPORTS 5 OF 9
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<b>ELECTRICAL</b>	
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E3.0	ELECTRICAL PLAN 48' x 40' (WALL MOUNTED HVAC)
E4.0DL	DAYLIT ZONE FLOOR PLANS 48' x 40'
<b>PLUMBING</b>	
P0.0	PLUMBING SCHEDULE AND DETAILS
P3.0	PLUMBING PLAN 48' x 40'
R0.0	RAMP, LANDING AND STAIR
R2.0	RAMP & LANDING DETAILS
R2.0	RAMP & LANDING PLAN (FREE STANDING HANDRAIL)

IDENTIFICATION STAMP  
DIV. OF THE STATE ARCHITECT  
APP03 120280  
A.C. WILSON S.H.S.S.P.T.  
DATE: 03/02/2019

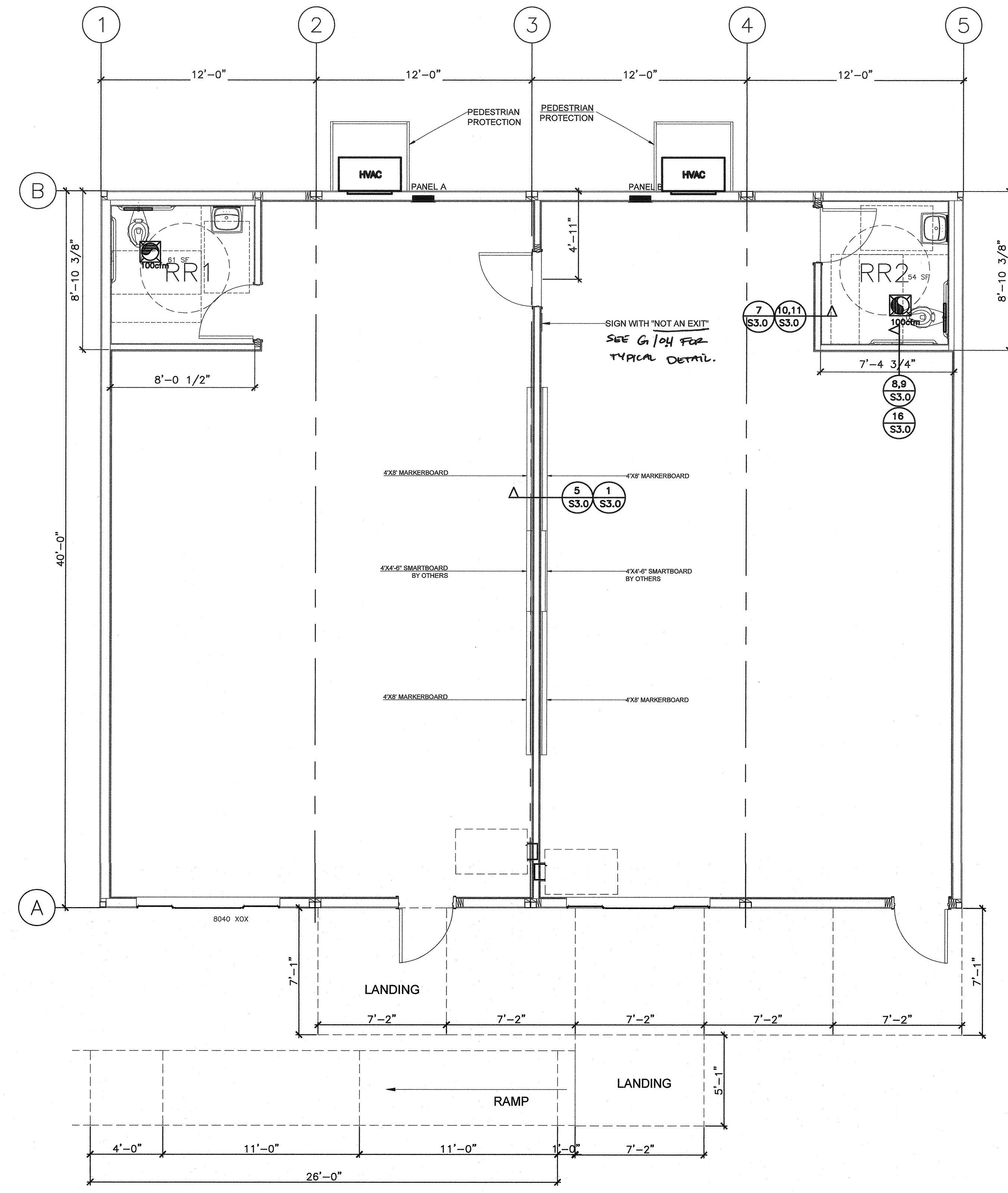


1400 Commercial Ave, #25  
Aubrey, CA 95001  
Tel: (209) 879-8007  
Fax: (209) 879-8007

TITLE SHEET

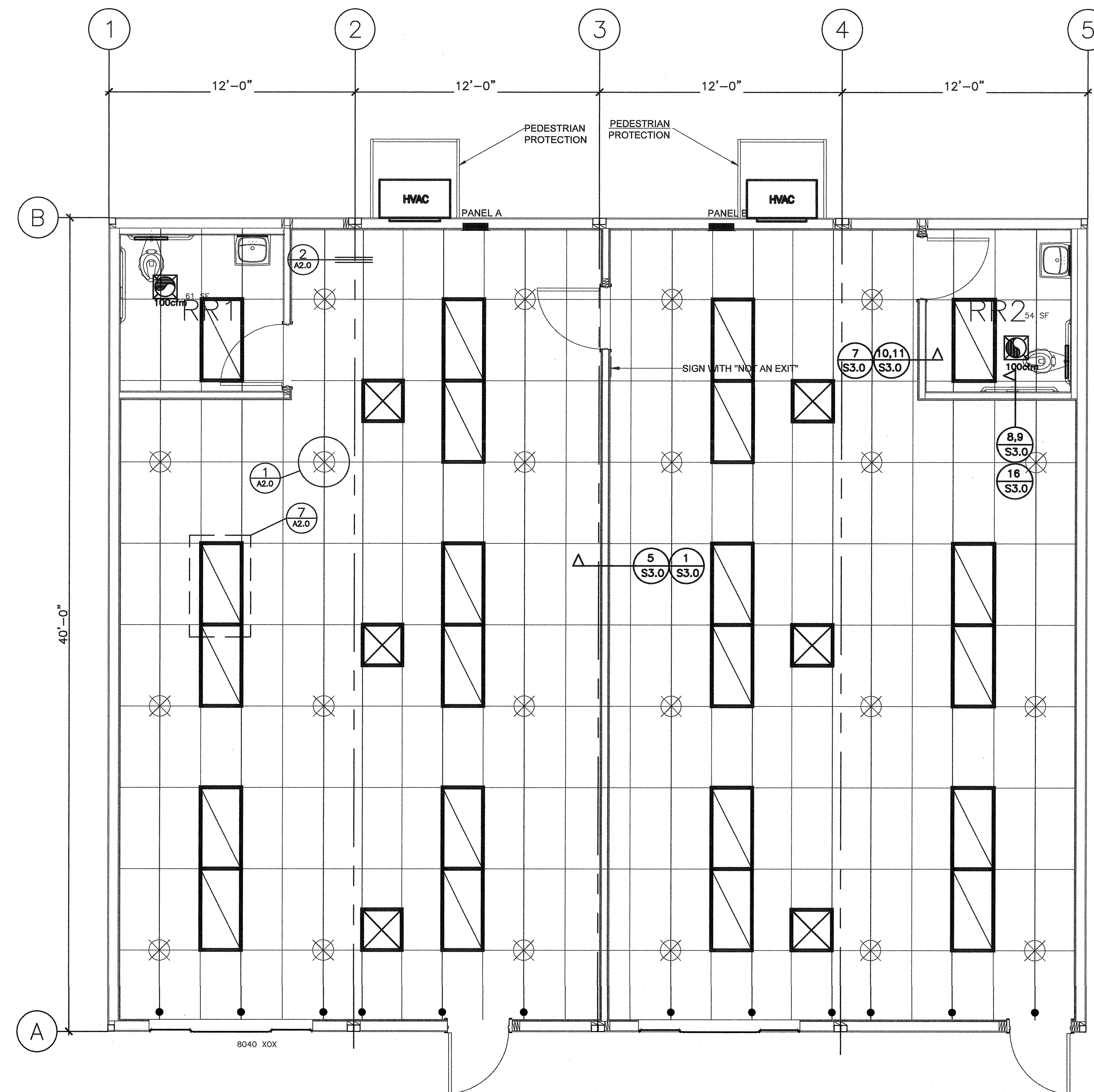
PROJECT: CAMARILLO ACADEMY OF PROGRESSIVE EDUCATION  
DISTRICT:  
SITE: 777 AILEEN STREET, CAMARILLO, CA  
DRAWN BY: DATE: 05 AUG 2019  
CHECKED BY: DATE:

SHEET NO: A0.0PS



FLOOR PLAN 1/4"=1'-0"

NO.	DATE	REVISION
PROFESSIONAL OF RECORD		
AOL ARCHITECT		
IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT APPROX 180280 AC: FLS SP/SS/ST DATE: OCT. 03 2019		
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Northern California, Division Architect, PLS Phone (709) 479-8029 Fax (709) 479-8027		
PROJECT: CAMARILLO ACADEMY OF PROGRESSIVE EDUCATION DISTRICT: 777 ALLEN STREET, CAMARILLO, CA DATE: 05 AUG 2019 DRAWN BY: DATE: CHECKED BY: DATE:		
SHEET NO: <b>A1.3PS</b>		



REFLECTED CEILING PLAN

1/4"=1'-0"

NO.	DATE	REVISION

PC PROFESSIONAL OF RECORD

ADL ARCHITECT



IDENTIFICATION STAMP  
 DIV. OF THE STATE ARCHITECT  
 APPROX 120280  
 AD FLS/PH/SS  
 DATE OCT 03 2019

REFLECTED CEILING PLAN

PROJECT: CAMARILLO ACADEMY OF PROGRESSIVE EDUCATION

DISTRICT: SITE: 777 AILEEN STREET, CAMARILLO, CA

DRAWN BY: DATE: 05 AUG 2019

CHECKED BY: DATE:

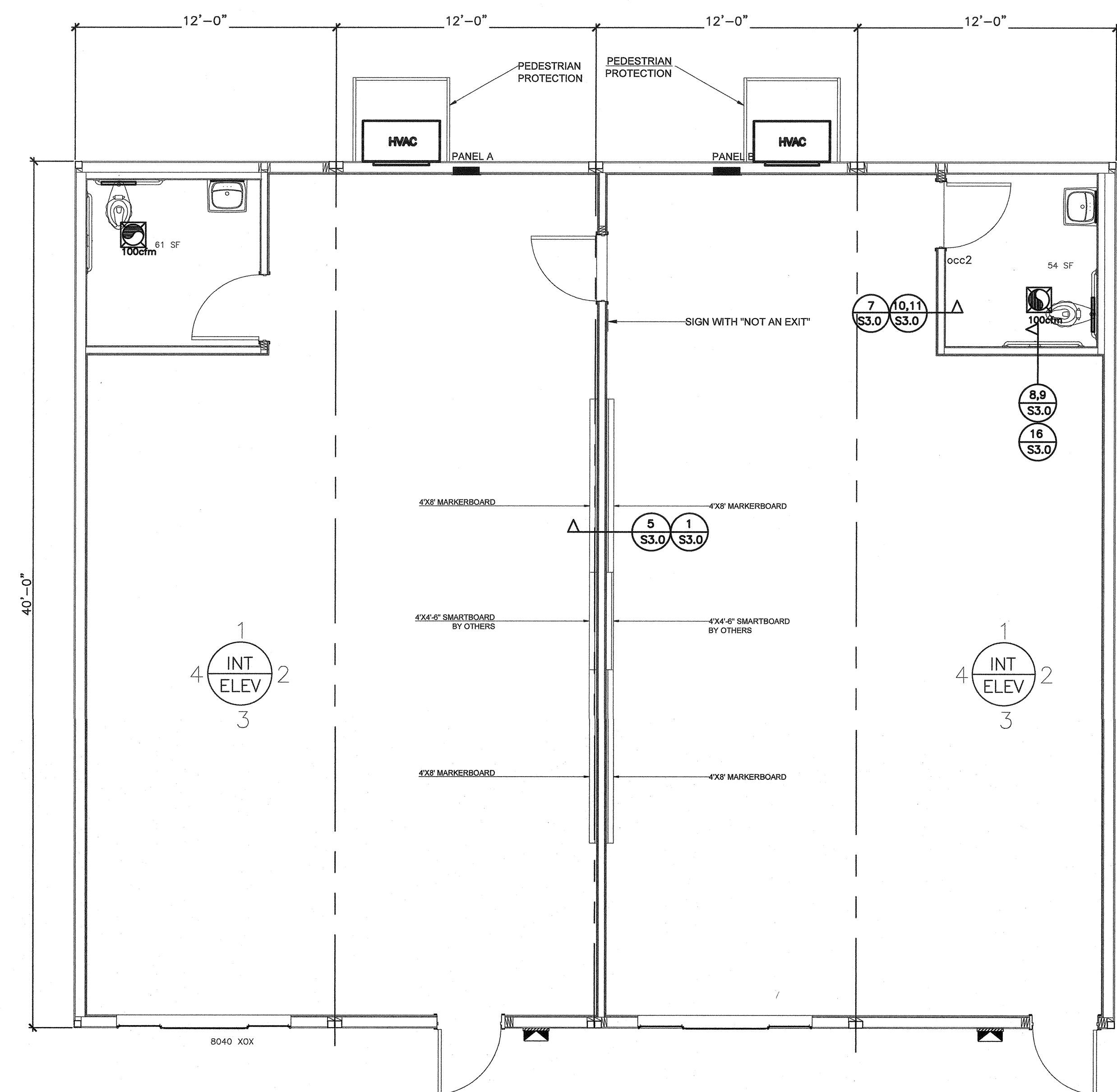
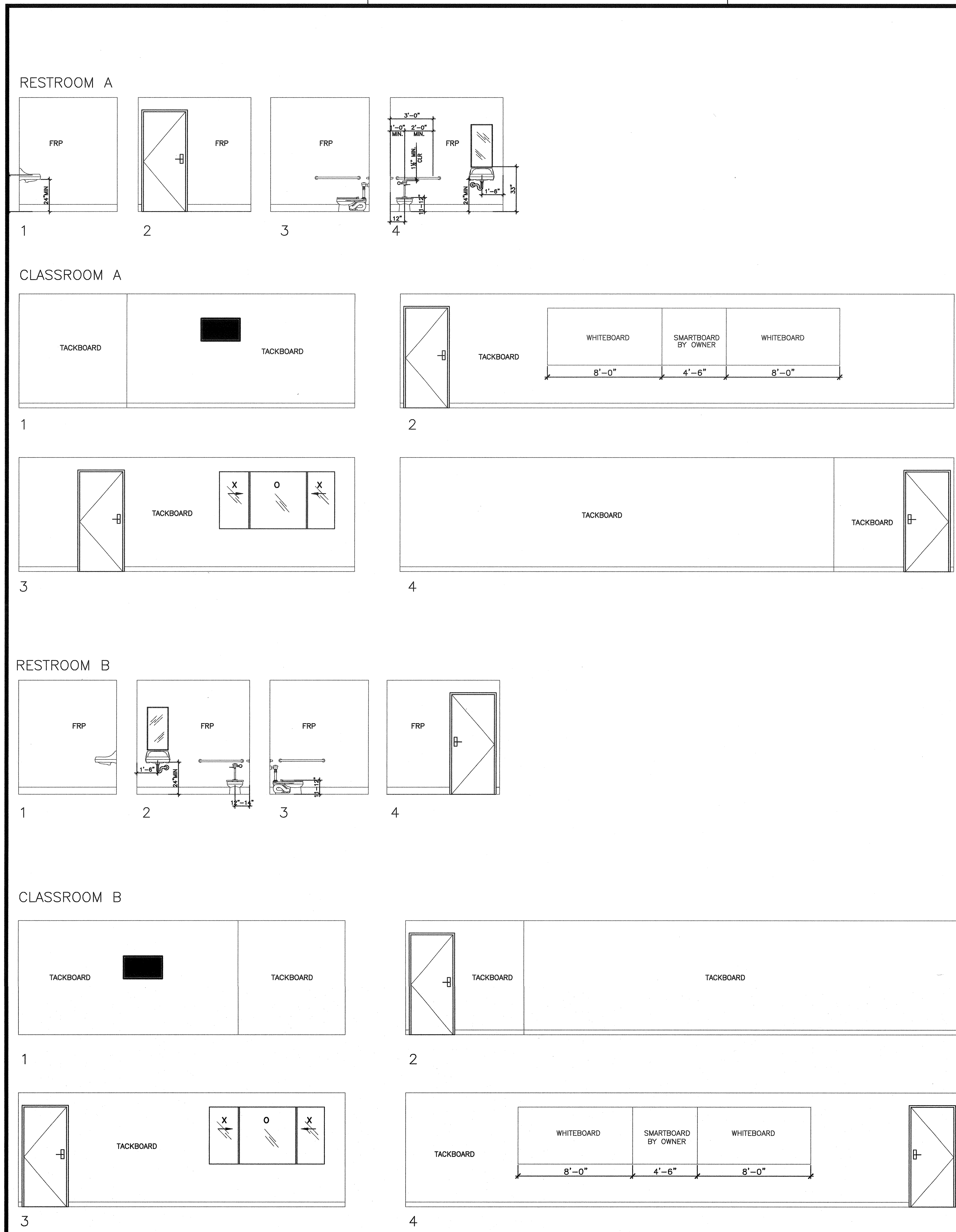
SHEET NO:

A2.3PS

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MODULAR INCORPORATED

NORTHERN CALIFORNIA DIVISION  
 450 Commerce Ave, #25  
 Camarillo, CA 93010  
 Phone: (805) 874-4028  
 Fax: (805) 874-8007



INTERIOR ELEVATIONS 1/4"=1'-0"

NO.	DATE	REVISION

PROFESSIONAL OF RECORD

PROF. ARCHITECT

PROFESSIONAL STAMP

IDENTIFICATION STAMP  
DIV. OF THE STATE ARCHITECT  
APPROX 120280  
AD. W. FLS. SP. MISS. ST.  
DATE OCT 02 2019

INTERIOR ELEVATIONS

PROJECT: CAMARILLO ACADEMY OF PROGRESSIVE EDUCATION

DISTRICT:

SITE: 777 ALLEEN STREET, CAMARILLO, CA

DATE: 05 AUG 2019

DRAWN BY:

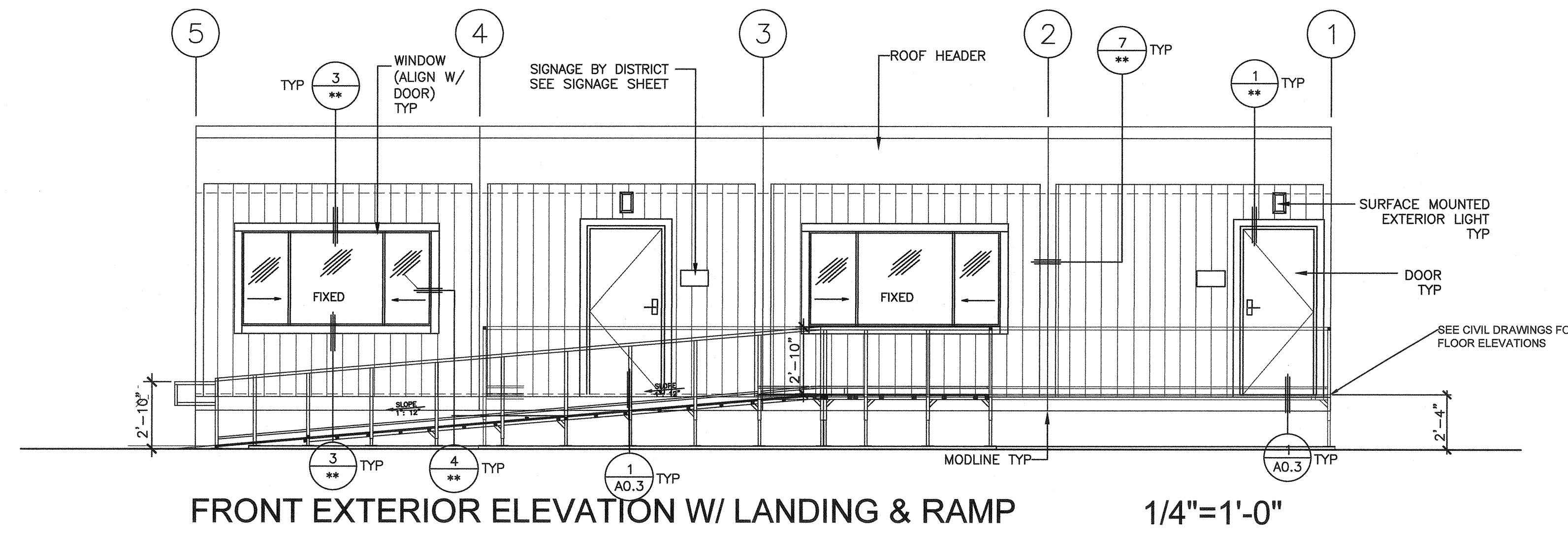
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SHEET NO: A4.3PS

**GLOBAL MODULAR INCORPORATED**

Global Modular, Inc. 2019

4450 California Avenue, #200  
Alhambra, CA 91801  
Phone: (626) 444-8899  
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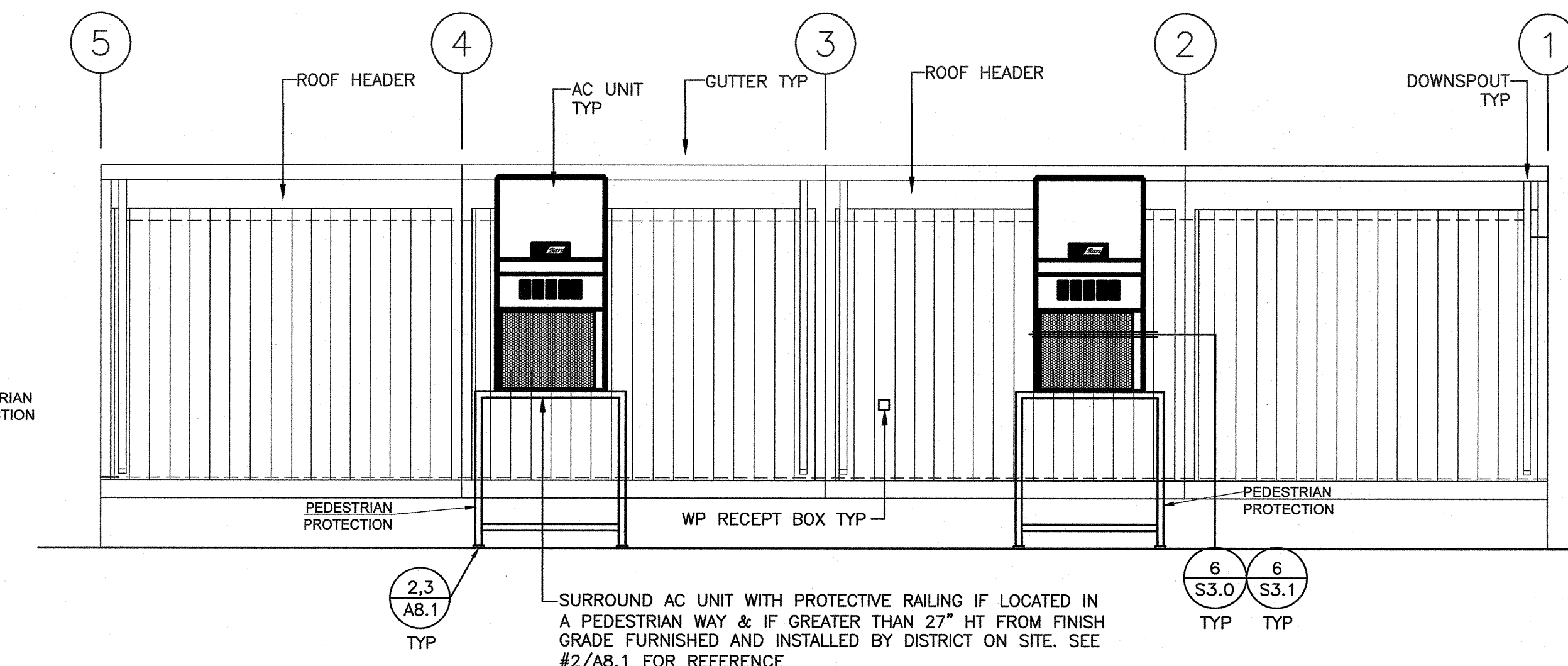
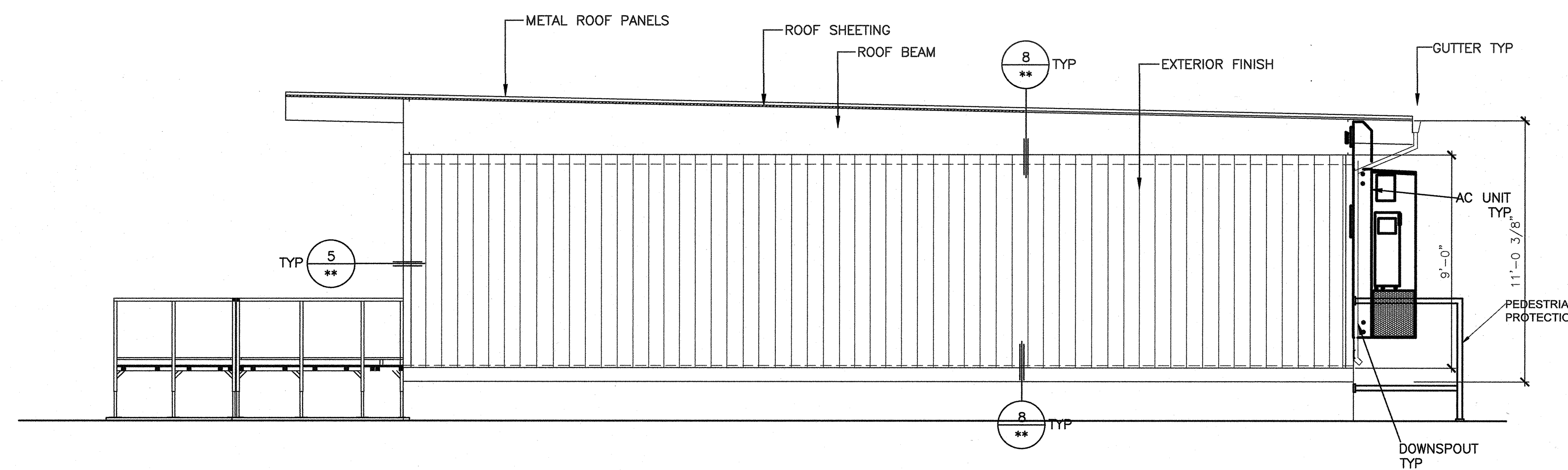
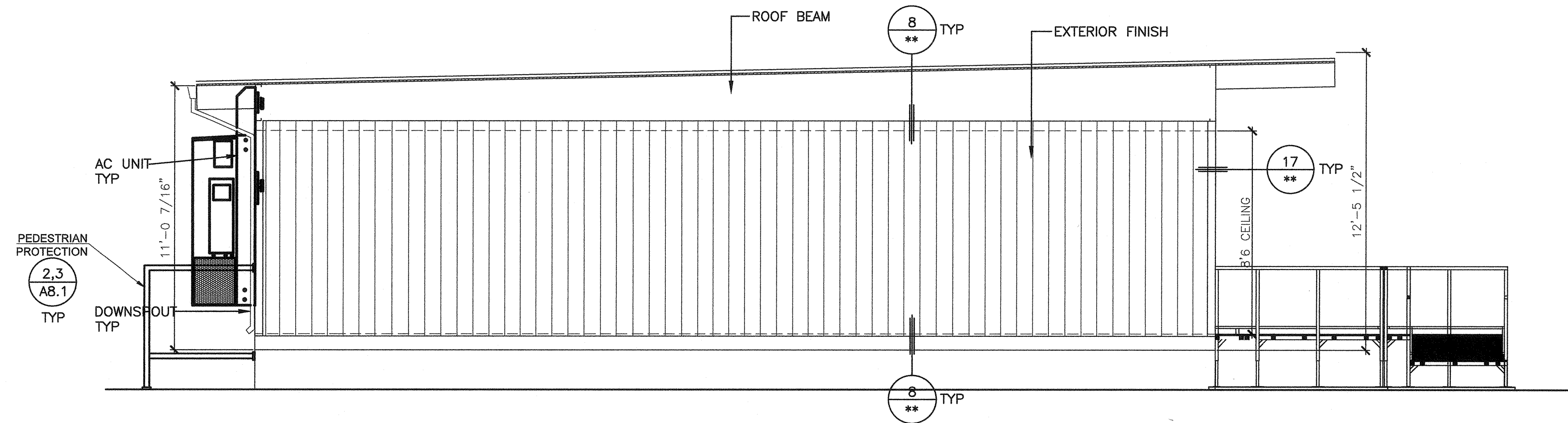
FRONT EXTERIOR ELEVATION W/ LANDING & RAMP 1/4"=1'-0"

1. PER CFC SECTION 505.1, A BUILDING IDENTIFICATION SIGN SHALL BE PLACED ON A NEW OR EXISTING BUILDING. SIGN SHALL BE PLACED AND DESIGNED PER SECTION 505.1. SIGN SHALL BE PROVIDED BY OWNER OR DISTRICT

2. FOR MODULAR BUILDING IDENTIFICATION TAG, REFER TO SHEET A0.1 UNDER GENERAL DESIGN REQUIREMENTS & #2/A0.4

\*\* = OPTIONS (CHECK ONE)

WOOD STUDS AB.0 METAL STUDS AB.3



EXTERIOR ELEVATIONS 1/4"=1'-0"

NO.	DATE	REVISION

PROFESSIONAL OF RECORD

PROFESSIONAL ARCHITECT

PROFESSIONAL STAMP

IDENTIFICATION STAMP

DIV. OF THE STATE ARCHITECT

APPROX 1 2 0 2 0 0

AC W FLS SS

DATE 08-03-2019

GLOBAL MODULAR INCORPORATED

GLOBAL MODULAR INC. 2019

NORTHERN CALIFORNIA DIVISION  
1777 ALLEN STREET, CAMARILLO, CA 93010  
Phone: (805) 476-8029  
Fax: (805) 476-8027

EXTERIOR ELEVATIONS

PROJECT: CAMARILLO ACADEMY OF PROGRESSIVE EDUCATION

DISTRICT: 777 ALLEN STREET, CAMARILLO, CA

DATE: 05 AUG 2019

DRAWN BY: DATE:

CHECKED BY: DATE:

SHEET NO: A5.3PS

SYMBOL	DESCRIPTION
	MANUAL PULL STATION (J-BOX ONLY) MOUNT +48" A.F.F. TO CENTERLINE OF DEVICE
	WALL MOUNT FLASHING LIGHT STROBE (J-BOX ONLY) MOUNT +80"-96" A.F.F., OR 6" BELOW CEILING TO BOTTOM OF DEVICE WHICHEVER IS LOWER
	WALL MOUNT WEATHERPROOF EXTERIOR HORN (J-BOX ONLY) MOUNT +80" A.F.F. TO BOTTOM OF DEVICE (W.P. - INDICATES WEATHERPROOF)
	CEILING MOUNT SMOKE DETECTOR (J-BOX ONLY)
	HEAT DETECTOR MOUNTED ABOVE CEILING (J-BOX ONLY)
	MAIN FIRE ALARM CONTROL PANEL N.I.C.
	FIRE EXTINGUISHER CABINET

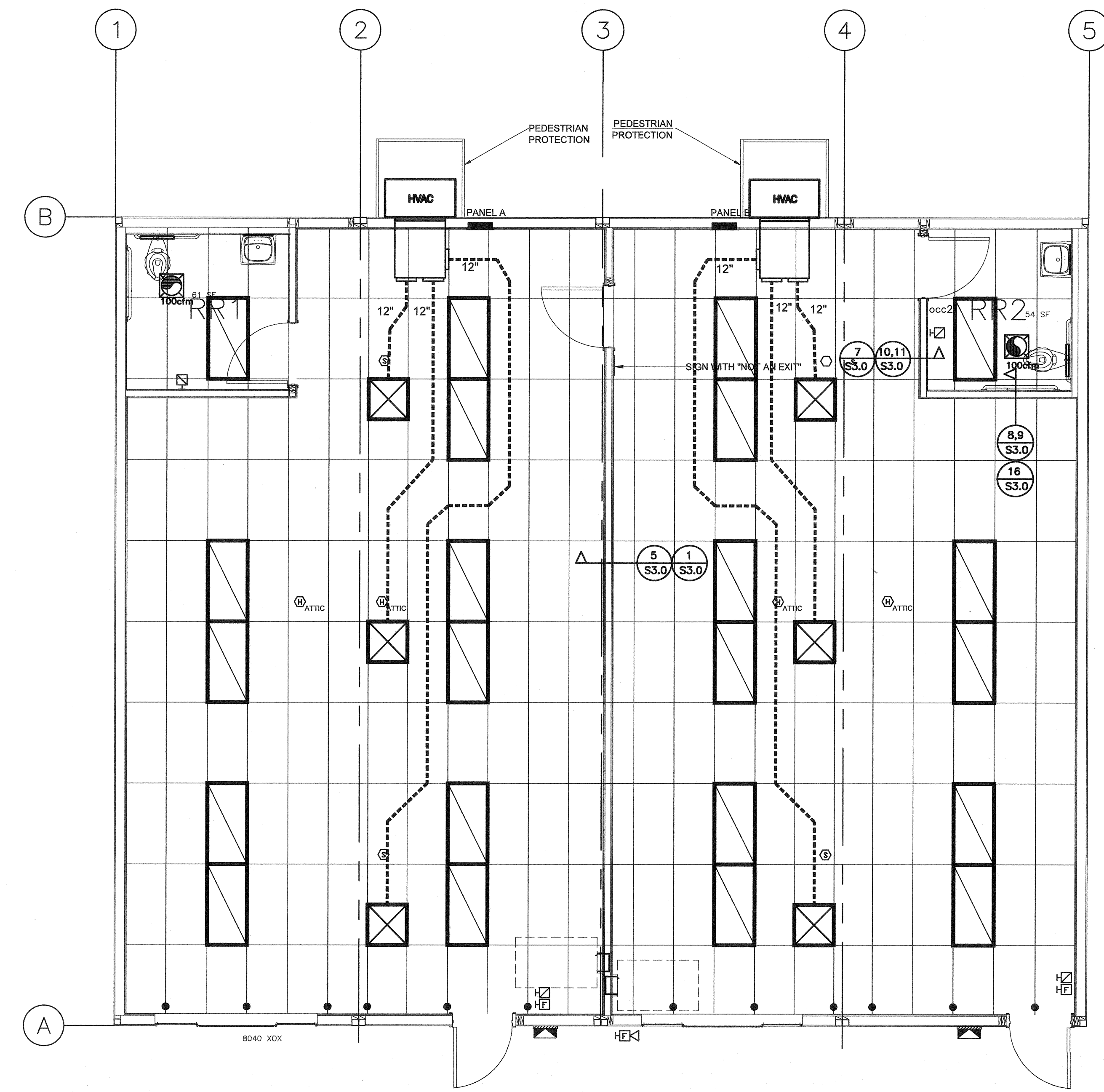
**SYMBOL LEGEND**

(U.N.O.) = unless noted otherwise  
 WP = weatherproof  
 IG = isolated ground  
 R = RECESSED

- DISTRIBUTION PANEL - EXTERIOR
- SUB-PANEL - EXTERIOR
- 2"x4" RECESSED TROFFER, LED, 2x4, LAMP 5000K 48.2 WATTS
- TRACE LITE TL106-CF-42-120-BB-PC1 EXTERIOR WALL MOUNT COMPACT FLUORESCENT WALLPACK FIXTURE WITH EMERGENCY BACK UP
- EXIT/ EMERGENCY LIGHT WITH 90MIN BATTERY BACK UP LITHONIA CS - EXR LED M6
- EXIT/ EMERGENCY LIGHT WITH 90 MIN BATTERY BACK UP LITHONIA CS - ECC R M6
- TIME CLOCK (EXTERIOR LIGHTS) +44" AFF BOT OF BOX (U.N.O.)
- PHOTO CONTROL SWITCH
- OCCUPANCY SENSOR CEILING MOUNTED (LIGHTING) LEVITON OSC20-MOW
- OCCUPANCY SENSOR (LIGHTING) WALL MOUNTED +44" AFF BOT OF BOX (U.N.O.) LEVITON ODS15-DW
- TAMPER-RESISTANT KEY TOGGLE SWITCH LEVITON M1221-L
- DECORA SINGLE SWITCH +44" AFF BOT OF BOX (U.N.O.)
- DECORA 3-WAY SWITCH +44" AFF BOT OF BOX (U.N.O.)
- DECORA 4-WAY SWITCH +44" AFF BOT OF BOX (U.N.O.)
- OCCUPANCY SENSOR DIMMER SWITCH +44" AFF BOT OF BOX (U.N.O.) LUTRON MAESTRO MS-2101-WH
- DIMMER SWITCH +44" AFF BOT OF BOX (U.N.O.) LUTRON DVA 0-10V D/TV
- DECORA WALL SWITCH MULTI-TECHNOLOGY OCCUPANCY SENSOR LEVITON OSSMT 3x3
- DECORA WALL SWITCH MULTI-TECHNOLOGY OCCUPANCY SENSOR LEVITON OSSMD

- DUPLEX RECEPTACLE-SPLIT WIRED, SWITCHED 3W-IMPER PROOF +18" AFF BOT OF BOX (U.N.O.)
- QUADPLEX RECEPTACLE-SPLIT WIRED, SWITCHED 3W-IMPER PROOF +18" AFF BOT OF BOX (U.N.O.)
- DUPLEX RECEPTACLE - CEILING MOUNTED
- DEDICATED DUPLEX RECEPTACLE +18" AFF BOT OF BOX (U.N.O.) 3W-IMPER PROOF
- DUPLEX RECEPTACLE +18" AFF BOT OF BOX (U.N.O.) 3W-IMPER PROOF
- DUPLEX FLOOR RECEPTACLE OUTLET
- QUAD-PLEX RECEPTACLE +18" AFF BOT OF BOX (U.N.O.) 3W-IMPER PROOF
- QUAD-PLEX FLOOR RECEPTACLE OUTLET
- GFCI DUPLEX RECEPTACLE/ GFCI +18" AFF BOT OF BOX (U.N.O.)
- J-BOX +18" AFF BOT OF BOX (U.N.O.)
- DATA OUTLET - PROVIDE ONE (1) 35 BACK BOX, ONE (1) 1-1/2" FROM BACK BOX TO ACCESSIBLE ATTIC SPACE. CABLES, JACKS AND FACEPLATE PER PLAN AND SPECIFICATIONS BY OTHERS. 35B OUTLET +18" AFF BOT OF BOX (U.N.O.)/ 35B TO ATTIC 3W-IMPER PROOF
- WALL PHONE OUTLET - PROVIDE ONE (1) 48 BACK BOX, ONE (1) 1" FROM BACK BOX TO ACCESSIBLE ATTIC SPACE. CABLES, JACKS AND FACEPLATE PER PLAN AND SPECIFICATIONS BY OTHERS.
- DATA / PHONE OUTLET - PROVIDE ONE (1) 35 BACK BOX, 10 RING, ONE (1) 1-1/2" FROM BACK BOX TO ACCESSIBLE ATTIC SPACE. CABLES, JACKS AND FACE PLATE PER PLAN AND SPECIFICATIONS BY OTHERS. 35B (L-800) +18" AFF BOT OF BOX (U.N.O.)/ 35B TO ATTIC
- FLOOR DATA OUTLET
- FLOOR PHONE OUTLET
- SPECIAL PURPOSE OUTLET - WALL MOUNT
- SPECIAL PURPOSE OUTLET - UNDER DESK MOUNT
- TV OUTLET
- CARD READER
- DOOR BELL
- PANIC BUTTON

- EMERGENCY PULL (MUST BE ANTI-LIGHTING)
- EMERGENCY BUTTON ON WALL
- ALARM PANEL
- R-# RECESSED OUTLET (DESIGNATION AS INDICATED)
- THERMOSTAT +44" AFF BOT OF BOX (U.N.O.)
- EXHAUST FAN
- SUPPLY AIR REGISTER PERFORATED FACE
- RETURN AIR REGISTER PERFORATED FACE
- VOLUME AIR DAMPER
- 4-WAY SPLAY WIRE WITH COMPRESSION STRUT
- INDICATES FREE SIDE, ALL OTHER SIDES SHALL BE FIXED. (SEE A2.0)
- INDICATES MAIN RUNNER LOCATIONS



NO.	DATE	REVISION

PROFESSIONAL STAMP  
 REGISTERED ARCHITECT  
 HAROLD L. HART  
 C-38002  
 06-30-2021  
 EXPIRES  
 DATE

IDENTIFICATION STAMP  
 DIV. OF THE STATE ARCHITECT  
 APP03 180280  
 AC: FLS SS  
 DATE: OCT 03 2019

MECHANICAL PLAN  
 PROJECT: CAMARILLO ACADEMY OF PROGRESSIVE EDUCATION  
 DISTRICT: SITE: 777 ALILEEN STREET, CAMARILLO, CA  
 DRAWN BY: DATE: 05 AUG 2019  
 CHECKED BY: DATE:

**GLOBAL**  
 MODULAR INCORPORATED

MEMBER CALIFORNIA DIVISION  
 ARCHITECT, P.S.  
 Camarillo, CA 93001  
 Phone: (805) 474-8079  
 Fax: (805) 474-8071

SHEET No: **M1.3PS**

SUB PANEL A									
Rated Amps: 125A	Phase / Wire: 120/240								
Interior: X	Flush: X								
Exterior: X	Surface: X								
NEMA Rating: 1									
Description	Load	ckt	ckt	ckt	ckt	ckt	ckt	ckt	ckt
MIN	1	2	3	4	5	6	7	8	9
NET LIGHTS/ EXH FAN	1	2	3	4	5	6	7	8	9
RECEPTACLES	1	2	3	4	5	6	7	8	9
<p>Watts      7045      7008      3613      240      21      1764      240      21</p> <p>Volts      120      120      120      120      120      120      120      120</p> <p>Amps Per Phase</p>									

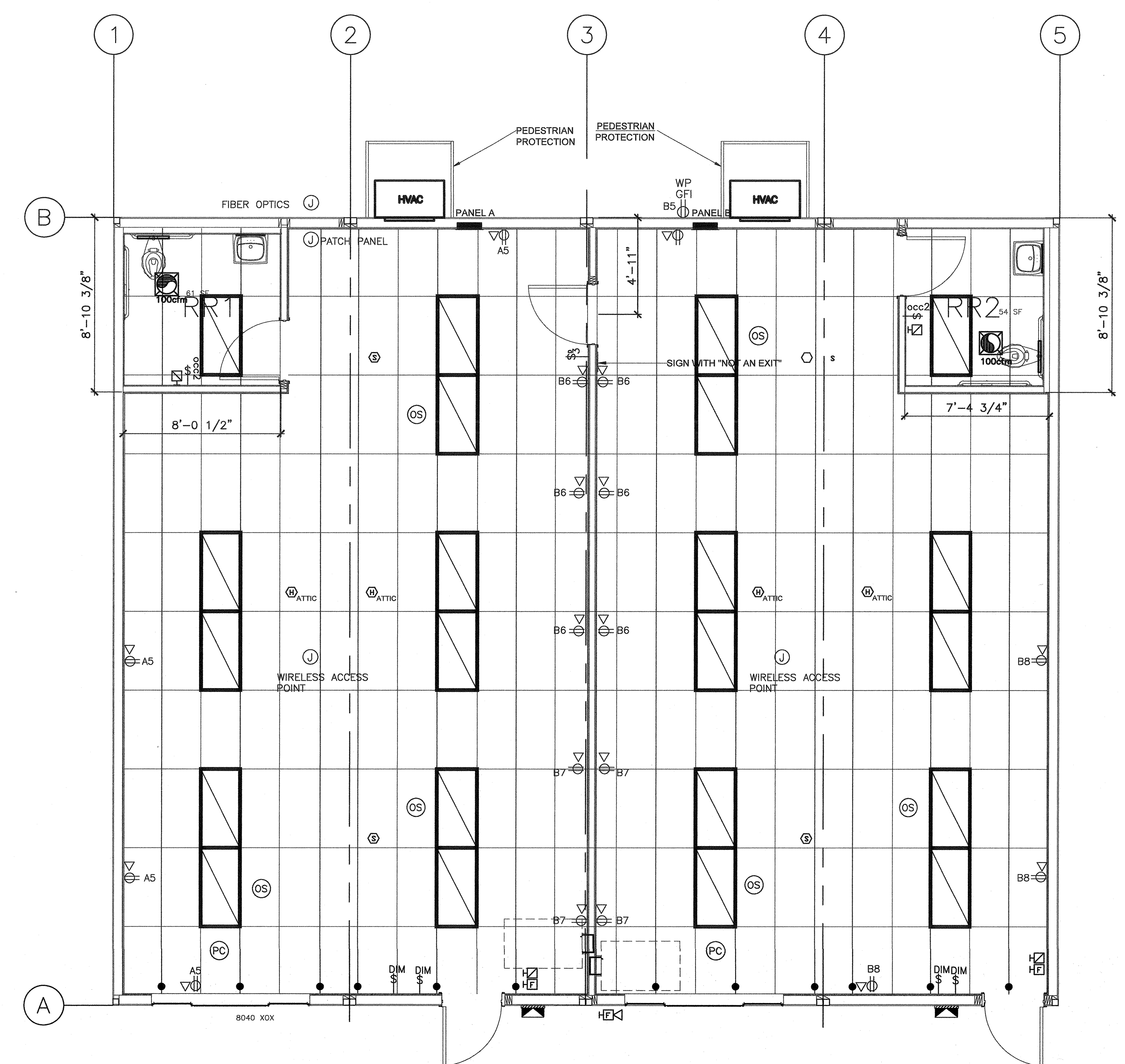
SUB PANEL B									
Rated Amps: 125A	Phase / Wire: 120/240								
Interior: X	Flush: X								
Exterior: X	Surface: X								
NEMA Rating: 1									
Description	Load	ckt	ckt	ckt	ckt	ckt	ckt	ckt	ckt
MIN	1	2	3	4	5	6	7	8	9
NET LIGHTS/ EXH FAN	1	2	3	4	5	6	7	8	9
RECEPTACLES	1	2	3	4	5	6	7	8	9
<p>Watts      8298      7295      3863      240      21      1816      240      21</p> <p>Volts      120      120      120      120      120      120      120      120</p> <p>Amps Per Phase</p>									

SYMBOL LEGEND	
HF	MANUAL PULL STATION (J-BOX ONLY) MOUNT +48" A.F.F. TO CENTERLINE OF DEVICE
HZ	WALL MOUNT FLASHING LIGHT STROBE (J-BOX ONLY) MOUNT +80"-85" A.F.F., OR 6" BELOW CEILING TO BOTTOM OF DEVICE WHICHEVER IS LOWER
HF<	WALL MOUNT WEATHERPROOF EXTERIOR HORN (J-BOX ONLY) MOUNT +80" A.F.F. TO BOTTOM OF DEVICE (W.P. - INDICATES WEATHERPROOF)
S	CEILING MOUNT SMOKE DETECTOR (J-BOX ONLY)
H<	HEAT DETECTOR MOUNTED ABOVE CEILING (J-BOX ONLY)
FACP	MAIN FIRE ALARM CONTROL PANEL N.L.C.
□	FIRE EXTINGUISHER CABINET

SYMBOL LEGEND	
(U.N.O.)	= unless noted otherwise
WP	= weatherproof
IG	= isolated ground
R	= RECESSED
▨	DISTRIBUTION PANEL - EXTERIOR
PANEL	SUB-PANEL - EXTERIOR
▨	2'x4' RECESSED TROFFER, LED, 2x4, LAMP 5000K 48.2 WATTS
EXIT	TRACE LITE TL106-CF-42-120-BB-PC1 EXTERIOR WALL MOUNT COMPACT FLUORESCENT WALLPACK FIXTURE WITH EMERGENCY BACK UP
EXIT	EXIT/ EMERGENCY LIGHT WITH 90MIN BATTERY BACK UP LITHONIA CS - EXR LED M6
EXIT	EXIT/ EMERGENCY LIGHT WITH 90 MIN BATTERY BACK UP LITHONIA CS - ECC R M6
⌚	TIME CLOCK (EXTERIOR LIGHTS) +44" AFF BOT OF BOX (U.N.O.)
⊙	PHOTO CONTROL SWITCH
⊙	OCCUPANCY SENSOR CEILING MOUNTED (LIGHTING) LEVITON OSC20-MOW
⊙	OCCUPANCY SENSOR (LIGHTING) WALL MOUNTED +44" AFF BOT OF BOX (U.N.O.) LEVITON ODS15-IDW
⊙	TAMPER-RESISTANT KEY TOGGLE SWITCH LEVITON M1221-L
⊙	DECORA SINGLE SWITCH +44" AFF BOT OF BOX (U.N.O.)
⊙	DECORA 3-WAY SWITCH +44" AFF BOT OF BOX (U.N.O.)
⊙	DECORA 4-WAY SWITCH +44" AFF BOT OF BOX (U.N.O.)
⊙	OCCUPANCY SENSOR DIMMER SWITCH +44" AFF BOT OF BOX (U.N.O.) LUTRON MAESTRO MS-Z101-WH
⊙	DIMMER SWITCH +44" AFF BOT OF BOX (U.N.O.) LUTRON DIVA 0-10V DTV
⊙	DECORA WALL SWITCH MULTI-TECHNOLOGY OCCUPANCY SENSOR LEVITON OSSMT 3x3
⊙	DECORA WALL SWITCH MULTI-TECHNOLOGY OCCUPANCY SENSOR LEVITON OSSMD

⊙	DUPLEX RECEPTACLE-SPLIT WIRED, SWITCHED (RECESSED) +18" AFF BOT OF BOX (U.N.O.)
⊙	QUADPLEX RECEPTACLE-SPLIT WIRED, SWITCHED (RECESSED) +18" AFF BOT OF BOX (U.N.O.)
⊙	DUPLEX RECEPTACLE CEILING MOUNTED (RECESSED)
⊙	DEDICATED DUPLEX RECEPTACLE +18" AFF BOT OF BOX (U.N.O.) (RECESSED)
⊙	DUPLEX FLOOR RECEPTACLE OUTLET
⊙	QUAD-PLEX RECEPTACLE +18" AFF BOT OF BOX (U.N.O.) (RECESSED)
⊙	QUAD-PLEX FLOOR RECEPTACLE OUTLET
⊙	DUPLEX RECEPTACLE/ GFCI +18" AFF BOT OF BOX (U.N.O.)
⊙	J-BOX +18" AFF BOT OF BOX (U.N.O.)
⊙	DATA OUTLET - PROVIDE ONE (1) 20 BACK BOX, ONE (1) 1-1/2" FROM BACK BOX TO ACCESSIBLE ATTIC SPACE. CABLES, JACKS AND FACEPLATE PER PLAN AND SPECIFICATIONS BY OTHERS.
⊙	DATA / PHONE OUTLET - PROVIDE ONE (1) 20 BACK BOX, 10 RING, ONE (1) 1-1/2" FROM BACK BOX TO ACCESSIBLE ATTIC SPACE. CABLES, JACKS AND FACE PLATE PER PLAN AND SPECIFICATIONS BY OTHERS. (SEE A2.0)
⊙	WALL PHONE OUTLET - PROVIDE ONE (1) 45 BACK BOX, ONE (1) 1" FROM BACK BOX TO ACCESSIBLE ATTIC SPACE. CABLES, JACKS AND FACEPLATE PER PLAN AND SPECIFICATIONS BY OTHERS.
⊙	FLOOR DATA OUTLET
⊙	FLOOR DATA / PHONE OUTLET
⊙	SPECIAL PURPOSE OUTLET - WALL MOUNT
⊙	SPECIAL PURPOSE OUTLET - UNDER DESK MOUNT
⊙	TV OUTLET
⊙	CARD READER
⊙	DOOR BELL
⊙	PANIC BUTTON

⊙	EMERGENCY PULL (MUST BE ANTI-LIGATURE)
⊙	EMERGENCY BUTTON ON WALL
⊙	ALARM PANEL
R-#	RECESSED OUTLET (DESIGNATION AS INDICATED)
⊙	THERMOSTAT +44" AFF BOT OF BOX (U.N.O.)
⊙	EXHAUST FAN
⊙	SUPPLY AIR REGISTER PERFORATED FACE
⊙	RETURN AIR REGISTER PERFORATED FACE
⊙	VOLUME AIR DAMPER
⊙	4-WAY SPLAY WIRE WITH COMPRESSION STRUT
⊙	INDICATES FREE SIDE, ALL OTHER SIDES SHALL BE FIXED. (SEE A2.0)
⊙	INDICATES MAIN RUNNER LOCATIONS



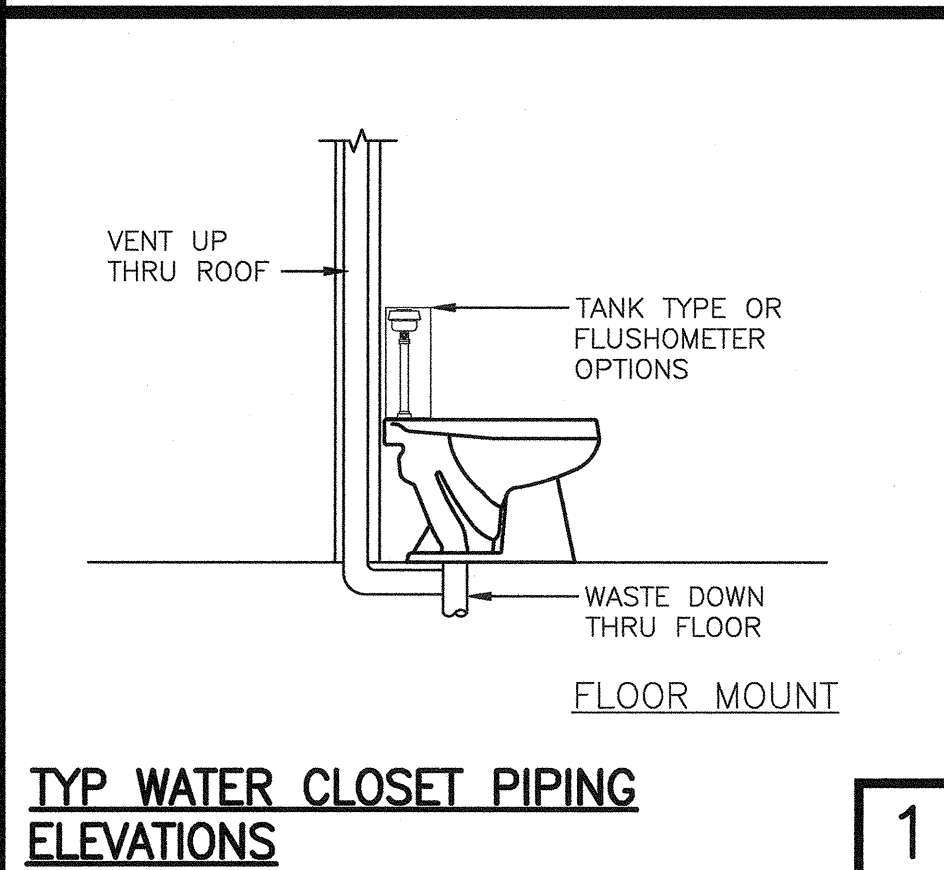
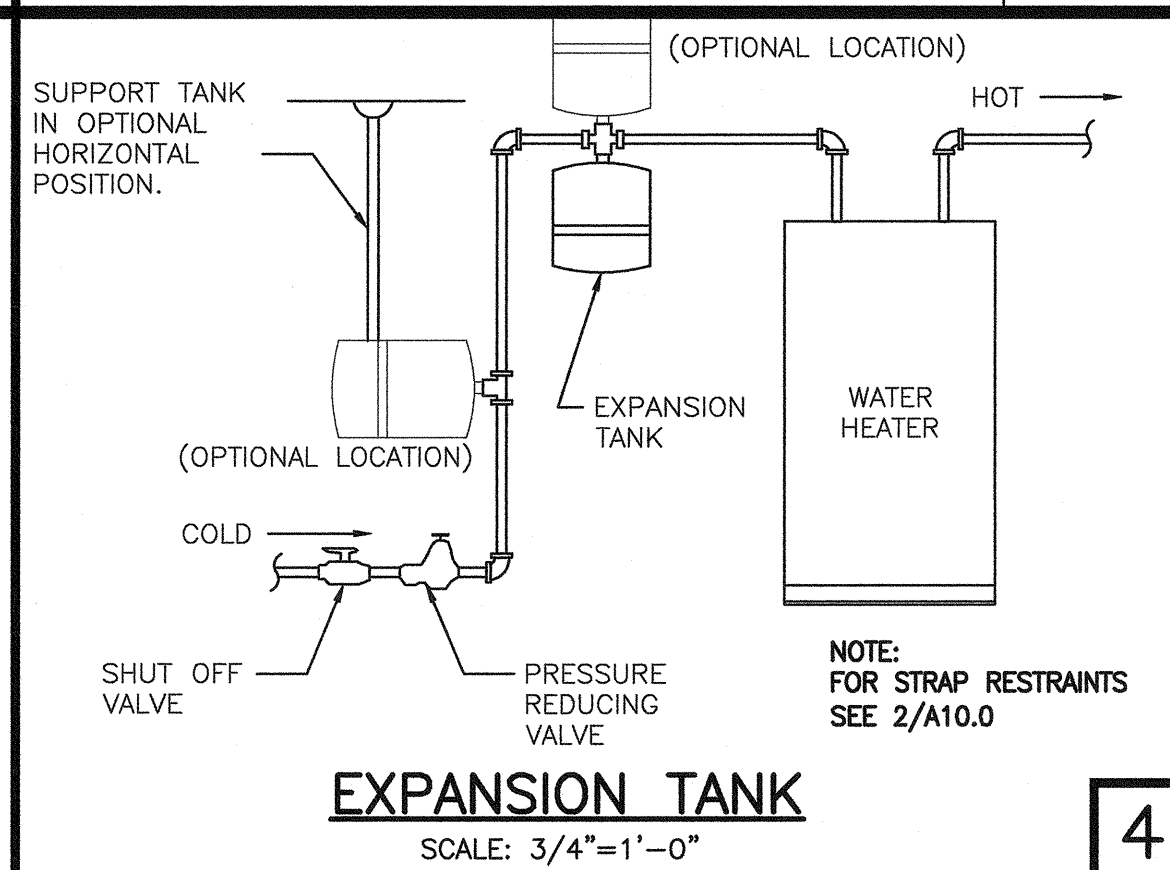
NO.	DATE	REVISION

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 HAROLD L. HART  
 C-38002  
 06-30-2021  
 06-30-2021  
 IDENTIFICATION STAMP  
 DIV. OF THE STATE ARCHITECT  
 APPROX 120280  
 AC\_FLS / SS\_CV  
 DATE: OCT 03 2019

ELECTRICAL PLAN  
 PROJECT: CAMARILLO ACADEMY OF PROGRESSIVE EDUCATION  
 DISTRICT: SITE: 777 ALLEN STREET, CAMARILLO, CA  
 DRAWN BY: DATE: 05 AUG 2019  
 CHECKED BY: DATE:

SHEET NO: E3.0PS

ELECTRICAL 1/4"=1'-0"



PLUMBING FIXTURE SCHEDULE							
SYMBOL	DESCRIPTION	**ALTERNATE/OPTIONAL FOR	ACCESSIBLE FOR	WASTE	VENT	CW	HW
AWC	BOWL: 'KOHLER PRIMARY' 10-1/2" - MODEL# K-96064-SS, PRIMARY, FLOOR MOUNT FLUSHOMETER VALVE: 'SLOAN' MODEL 111-1.28 GPF SEAT: INCLUDED WITH BOWL PACKAGE		KINDER AGES 3-8	3"	2"	1"	-
AV	LAV: KOHLER - MODEL# K-2005, KINGSTON, WALL HUNG, 21-1/4" x 18-1/8" LAVATORY. 6 1/2" MAX SINK DEPTH FAUCET: 'KROWNE' MODEL 12-510L 0.5GPM SINGLE HANDLE COLD WATER ONLY (OPTION): SUPPLY LINE WITH 3 WAY STOP TO SUPPLY LEFT & RIGHT SIDES COLD & HOT WATER (OPTION): WHEN HOT WATER IS PROVIDED, HOT WATER THAT IS NOT TO EXCEED 110° F WILL HAVE A TEMPERING VALVE ADDED BEFORE FAUCET. (CPC 407.3)		KINDER AGES 3-8	3"	2"	1"	-
AWA	WATER HAMMER ARRESTOR: 'SIOUX CHIEF' MODEL 652-A/F (1/2"/1")						

**NOTES**

**MEP COMPONENT ANCHORAGE NOTE**  
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 THRU 1616A.1.26 AND ASCE 7-10 CHAPTER 13, 26 AND 30.

- ALL PERMANENT EQUIPMENT AND COMPONENTS.
- TEMPORARY OR MOVABLE EQUIPMENT THAT IS PERMANENTLY ATTACHED (E.G. HARD WIRED) TO THE BUILDING UTILITY SERVICES SUCH AS ELECTRICITY, GAS OR WATER.
- MOVABLE EQUIPMENT WHICH IS STATIONED IN ONE PLACE FOR MORE THAN 8 HOURS AND HEAVIER THAN 400 POUNDS OR HAS A CENTER OF MASS LOCATED 4 FEET OR MORE ABOVE THE ADJACENT FLOOR OR ROOF LEVEL THAT DIRECTLY SUPPORT THE COMPONENT 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.

- 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.
- 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.

**PIPING, DUCTWORK AND ELECTRICAL DISTRIBUTION SYSTEM BRACING NOTE**  
PIPING, DUCTWORK, AND ELECTRICAL DISTRIBUTION SYSTEMS SHALL BE BRACED TO COMPLY WITH THE FORCES AND DISPLACEMENTS PRESCRIBED IN ASCE 7-10 SECTION 13.3 AS DEFINED IN ASCE 7-10 SECTION 13.6.5.6, 13.6.7, 13.6.8, AND 2016 CBC, SECTIONS 1616A.1.24, 1616A.1.25 AND 1616A.1.26.

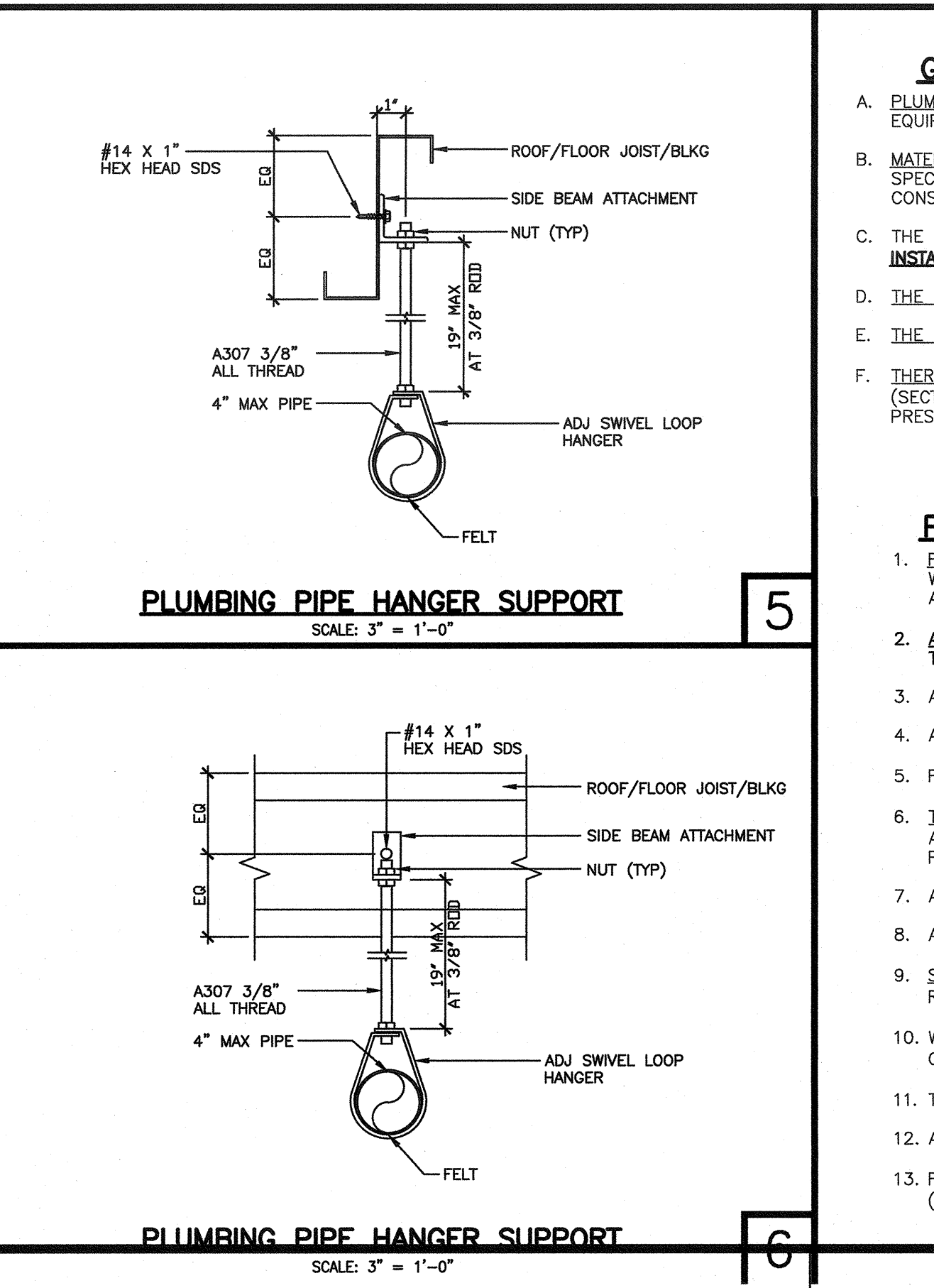
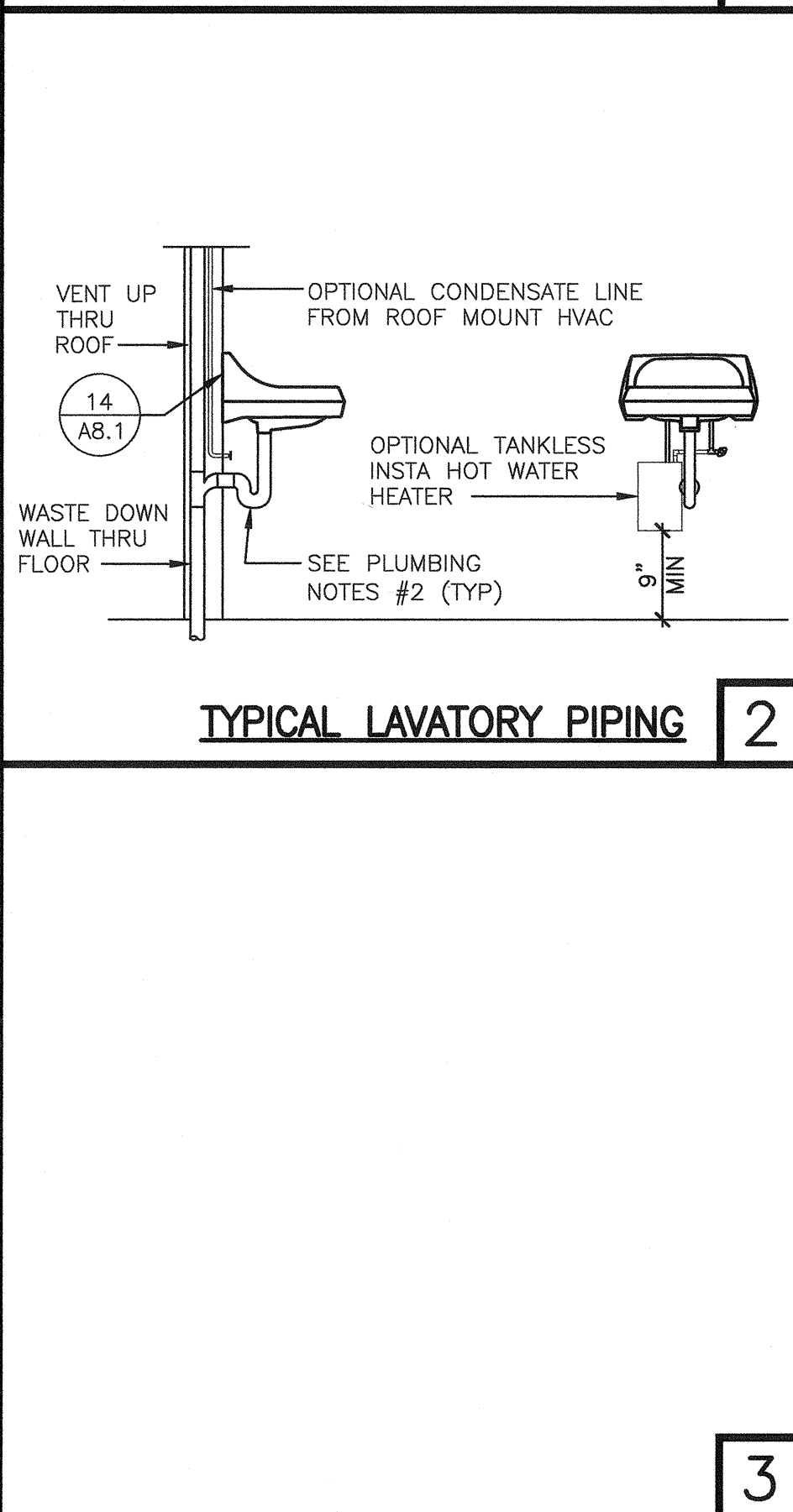
THE METHOD OF SHOWING BRACING AND ATTACHMENTS TO THE STRUCTURE FOR THE IDENTIFIED DISTRIBUTION SYSTEM ARE AS NOTED BELOW. WHEN BRACING AND ATTACHMENTS ARE BASED ON A PREAPPROVED INSTALLATION GUIDE (E.G. SMACNA OR OSHPD OPM), COPIES OF THE BRACING SYSTEM INSTALLATION GUIDE OR MANUAL SHALL BE AVAILABLE ON THE JOBSITE PRIOR TO THE START OF AND DURING THE HANGING AND BRACING OF THE DISTRIBUTION SYSTEMS. THE STRUCTURAL ENGINEER OF RECORD SHALL VERIFY THE ADEQUACY OF THE STRUCTURE TO SUPPORT THE HANGER AND BRACE LOADS.

MECHANICAL PIPING (MP), MECHANICAL DUCTS (MD), PLUMBING PIPING (PP), ELECTRICAL DISTRIBUTION SYSTEMS (E).

PP ■ - OPTION 1: DETAILED ON THE APPROVED DRAWINGS WITH PROJECT SPECIFIC NOTES AND DETAILS

PP □ - OPTION 2: SHALL COMPLY WITH THE APPLICABLE OSHPD PRE-APPROVAL (OPM #) #

PP □ - OPTION 3: SHALL COMPLY WITH SMACNA SEISMIC RESTRAINT MANUAL, OSHPD EDITION (2009), INCLUDING ANY ADDENDA, FASTENERS AND OTHER ATTACHMENTS NOT SPECIFICALLY IDENTIFIED IN THE SMACNA SEISMIC RESTRAINT MANUAL, OSHPD EDITION, ARE DETAILED ON THE APPROVED DRAWINGS WHICH PROJECT SPECIFIC NOTES AND DETAILS. THE DETAILS SHALL ACCOUNT FOR THE APPLICABLE SEISMIC HAZARD LEVEL AND CONNECTION LEVEL FOR THE PROJECT AND CONDITIONS



**GENERAL PLUMBING SPECIFICATIONS**

- PLUMBING EQUIPMENT, FIXTURE AND ACCESSORIES: FURNISH AND INSTALL ALL PIPING, VALVES, VENTS, STOPS AND TRAPS REQUIRED TO CONNECT ALL FIXTURES AND EQUIPMENT PROVIDE ALL ELECTRICAL CONNECTIONS AS REQUIRED
- MATERIALS AND WORKMANSHIP: ALL WORKMEN SHALL BE SKILLED AND QUALIFIED FOR THE WORK WHICH THEY PERFORM ALL MATERIALS USED, UNLESS OTHERWISE SPECIFIED, SHALL BE NEW AND OF THE TYPES AND GRADE SPECIFIED WORKMANSHIP SHALL BE EQUAL OF BETTER IN QUALITY TO THAT REQUIRED BY THE CONSTRUCTION TRADES FOR A FINISHED PRODUCT
- THE DETAILS ON THIS SHEET ONLY ILLUSTRATE THE SPECIFIC REQUIREMENTS FOR INSTALLING THE FIXTURES AND THE ACCESSORIES SHOWN. **INSTALL FIXTURES PER MFR'S INSTRUCTIONS** SEE PROJECT SPECIFICATIONS FOR THE ACCESSORIES AND FIXTURES THAT APPLY TO THIS PROJECT.
- THE USE OF PEX TUBING, AND ITS FITTINGS AND INSTALLATION, SHALL COMPLY WITH TABLE 6-4, SECTIONS: 604.1.2, 604.11, 604.11.1, AND 604.11.2 OF THE CPC.
- THE USE OF PEX-AL-PEX TUBING AND ITS FITTINGS AND INSTALLATION, SHALL COMPLY WITH TABLE 6-4, SECTIONS: 604.13, 604.13.1 AND 604.13.2
- THERMAL EXPANSION TANK REQUIREMENTS FOR WATER HEATERS; THE CALIFORNIA PLUMBING CODE (SECTION 608.3) AND THE CALIFORNIA MECHANICAL CODE (SECTION 1005.0) REQUIRES A THERMAL EXPANSION TANK, OR LISTED EQUIVALENT, TO BE INSTALLED TO WATER HEATING SYSTEMS TO RELIEVE EXCESSIVE BUILDING PRESSURE DURING THE HEATING PROCESS.

**PLUMBING NOTES**

- FAUCET CONTROLS & OPERATING MECHANISMS: SHALL BE OPERABLE WITH ONE HAND AND SHALL NOT REQUIRE TIGHT GRASPING, PINCHING OR TWISTING OF THE WRIST. THE FORCE REQUIRED TO ACTIVATE CONTROLS SHALL BE NO MORE THAN 5 LBS LEVER OPERATED, PUSH TYPE & ELECTRONICALLY CONTROLLED MECHANISMS ARE ACCEPTABLE SELF CLOSING VALVES ARE ALLOWED IF THE FAUCET REMAINS OPEN FOR AT LEAST 10 SECONDS.
- ALL WATER & DRAIN PIPES ACCESSIBLE UNDER LAVATORIES AND SINKS: SHALL BE INSULATED (CLASS I FLAME SPREAD INDEX 0-25) OR OTHERWISE COVERED THERE SHALL BE NO SHARP OR ABRASIVE OBJECTS OR SURFACES UNDER LAVATORIES.
- ALL VENTS TO ROOF AND VENT RISER CONNECTIONS TO BE OFFSET ABOVE CEILING FROM WALLS IN ORDER TO PREVENT PENETRATION THROUGH TOP PLATES.
- ALL WASTE DROPS IN WALLS TO BE OFFSET PRIOR TO WALL BOTTOM PLATES.
- FOR ALLOWABLE CUTTING/NOTCHING/BORED HOLES IN 2X WALL STUDS AND JOISTS, SEE TYPICAL DETAILS ON STRUCTURAL SHEETS
- TOILET CURB ON FLOORS: FOR TOILET ROOMS WITH MORE THAN TWO (2) FIXTURES IN RELOCATABLE BUILDINGS, PROVIDE A CONTINUOUS VINYL FLOORING, ARMSTRONG "RHINO 90402" OR EQUAL WITH FULLY SEALED JOINTS VINYL FLOORING TO EXTEND A MIN OF SIX (6) INCHES UP THE STUD WALL FROM THE FINISH FLOOR LEVEL.
- ALL INTERIOR COLD AND HOT WATER IS OVERHEAD PIPING EXCEPT AT INSIDE WALLS UNLESS OTHERWISE NOTED.
- ALL DRAIN AND SEWER FITTINGS BELOW FLOOR LINE SITE INSTALLED
- SEWER/WATER STUB OUTS: SHALL BE LOCATED WITHIN THE ALLOWABLE AREA AS SHOWN ON PLANS AND CONNECTIONS SHOULD BE EASILY ACCESSIBLE FOR FUTURE RELOCATION STUB OUT HEIGHT SHOULD BE COORDINATED WITH BUILDING MFR AND SITE CONTRACTOR/OWNER.
- WHEN THE TOP OF THE TOILET BOWL OR VALVE OBSTRUCTS THE REAR GRAB BAR, THE PLACEMENT OF THE BAR MAYBE LOCATED AT 36" MAX AFF AND MUST BE CLEAR 1-1/2" FROM THE BAR TO THE BOWL OR VALVE PER SECT 1115B.4.1.3.2
- TOILET SEAT TO BE 2" MAX IN THICKNESS.
- ALL DIMENSIONS ON THIS SHEET ARE TO FACE OF FINISH.
- FOR ALL WALL HUNG WATER CLOSETS, USE 'JOSAM COMPANY' CLOSET CARRIERS, MODEL #12674 (LEFT HAND) OR #12694 (BACK TO BACK) OR #12704 (VERTICAL W/ LEFT HAND VENT) OR #12724 (VERTICAL BACK TO BACK)

NO.	DATE	REVISION

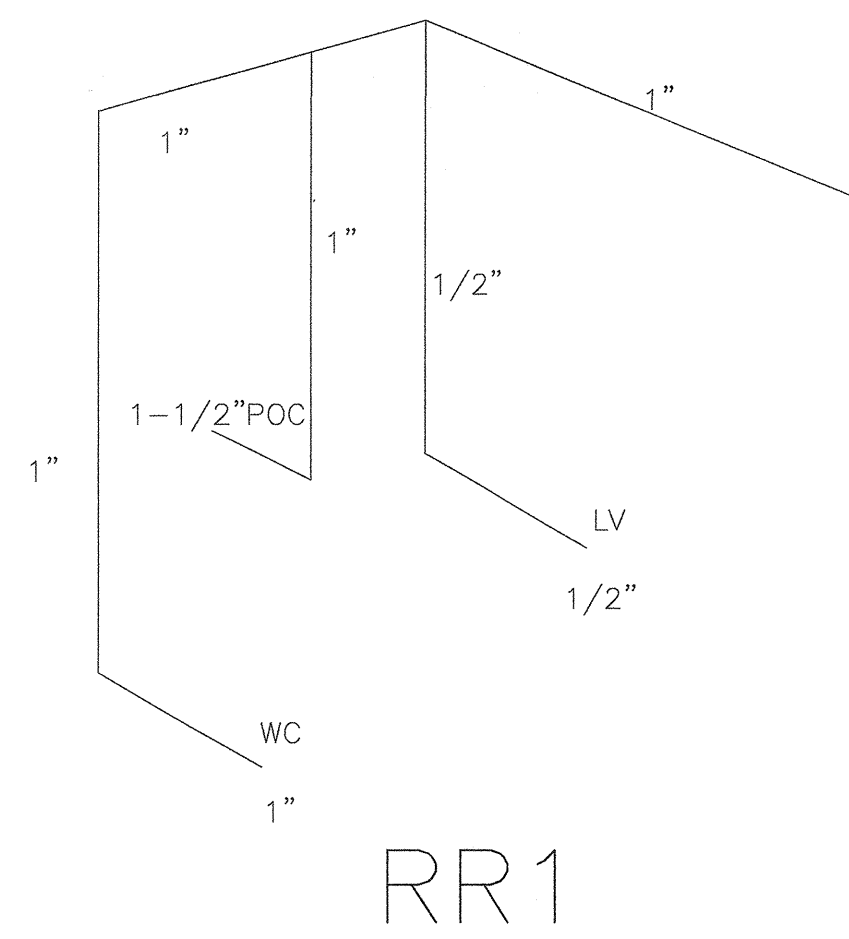
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PC PROFESSIONAL OF RECORD  
A/C ARCHITECT  
PROFESSIONAL STAMP

IDENTIFICATION STAMP  
DIV. OF THE STATE ARCHITECT  
APPROX 120280  
AC VLS / SS SY  
DATE OCT 03 2019

PLUMBING SCHEDULE & DETAILS  
PROJECT: CAMARILLO ACADEMY OF PROGRESSIVE EDUCATION  
DISTRICT: 777 AILEEN STREET, CAMARILLO, CA  
DATE: 05 AUG 2019  
DRAWN BY: DATE: DATE  
CHECKED BY: DATE: DATE

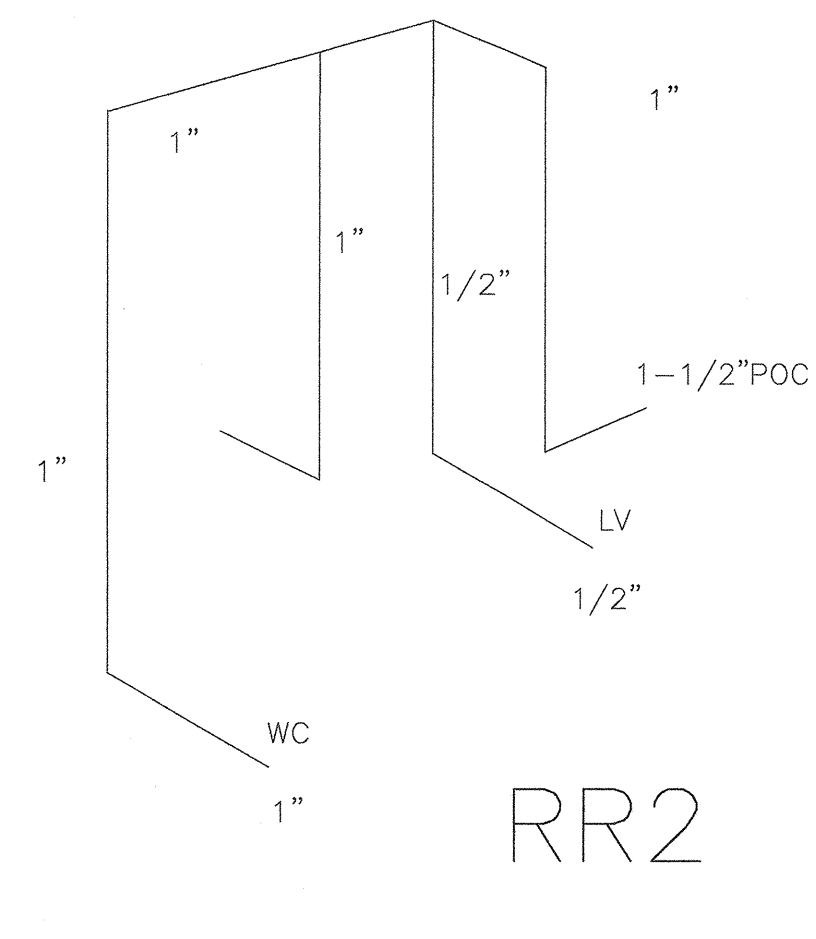
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WC ----- TANK TYPE WATER CLOSET  
 LV ----- LAVATORY  
 DF ----- DRINKING FOUNTIAN  
 POC ----- POINT OF CONNECTION



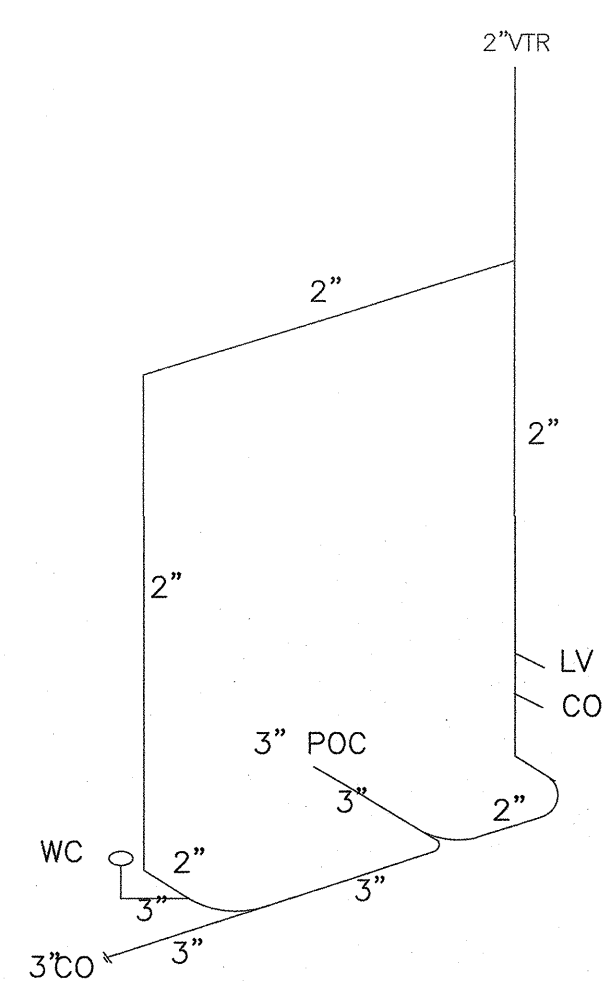
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WATER



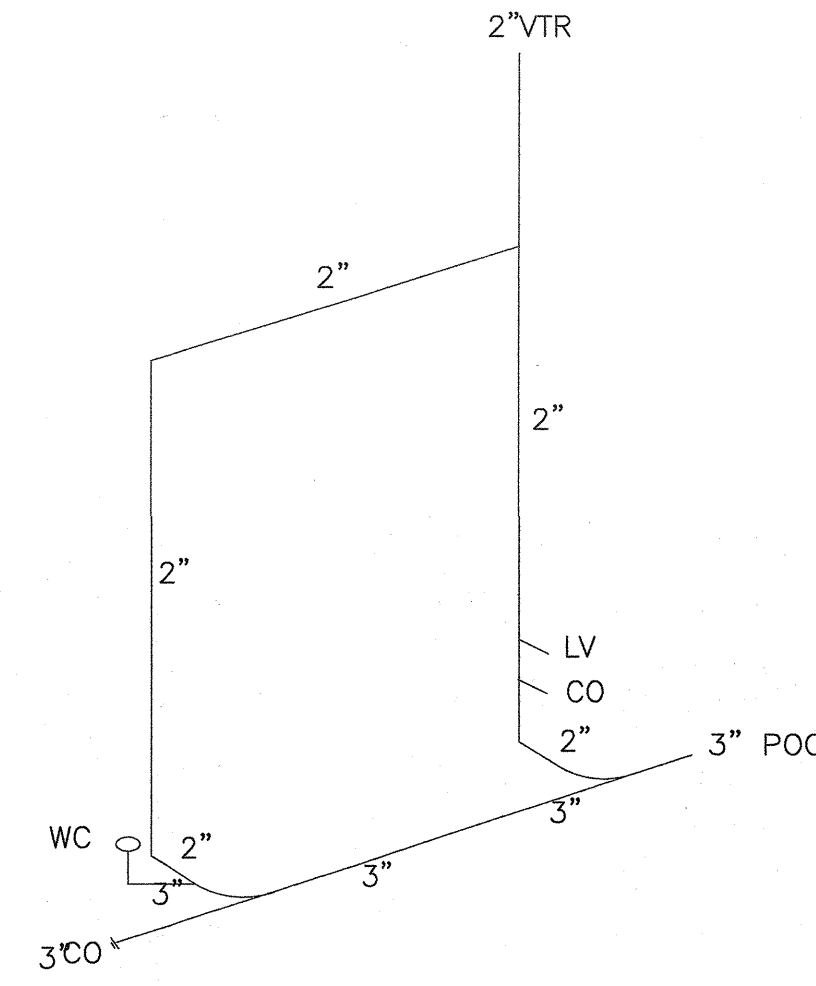
RR2

WC ----- TANK TYPE WATER CLOSET  
 LV ----- LAVATORY  
 CO ----- CLEAN OUT  
 POC ----- POINT OF CONNECTION  
 VTR ----- VENT THRU ROOF  
 DF ----- DRINKING FOUNTIAN

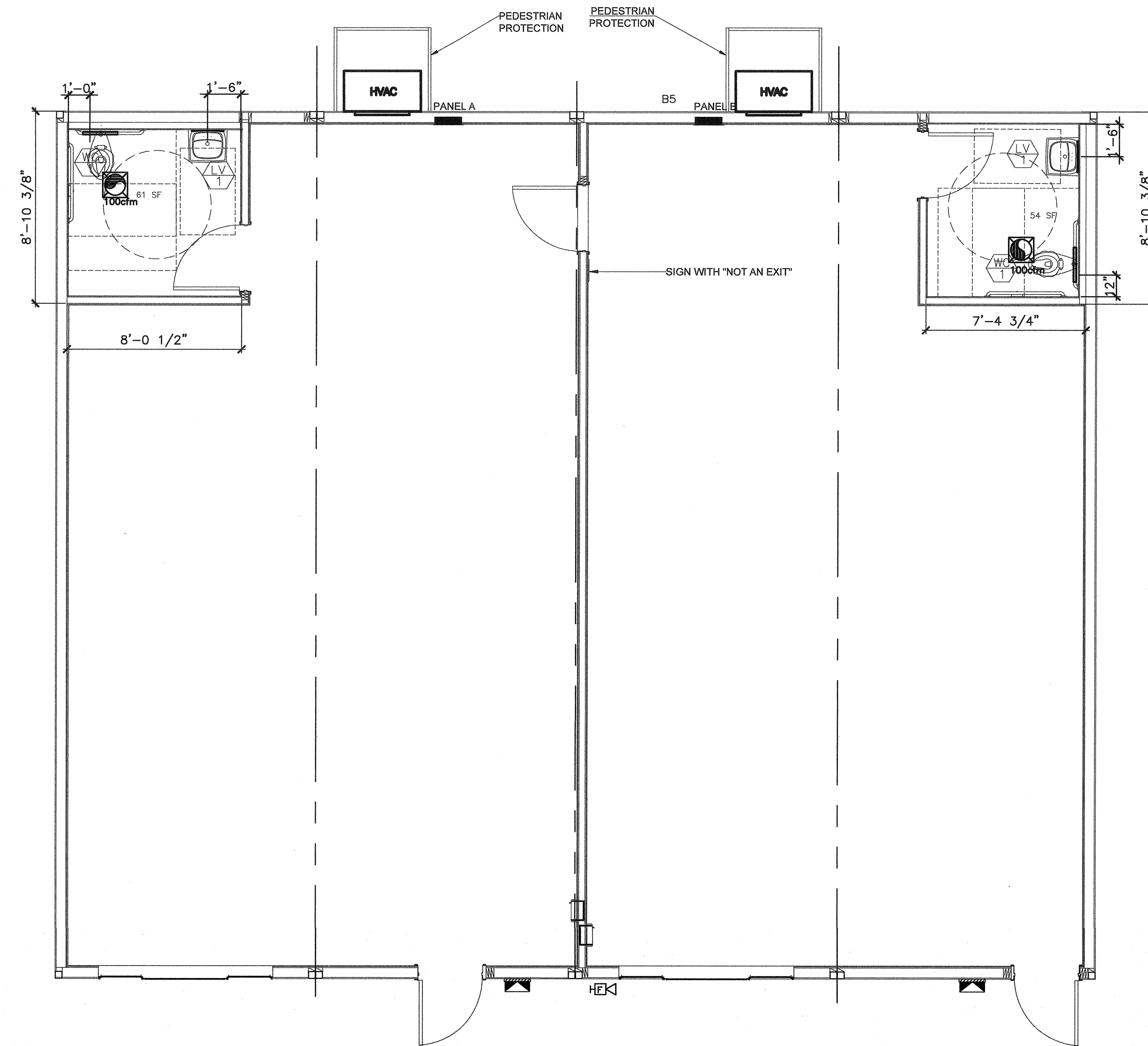


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WASTE



RR2

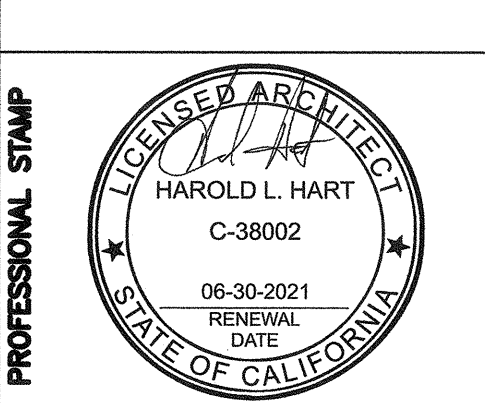


PLUMBING PLAN

1/4"=1'-0"

NO.	DATE	REVISION

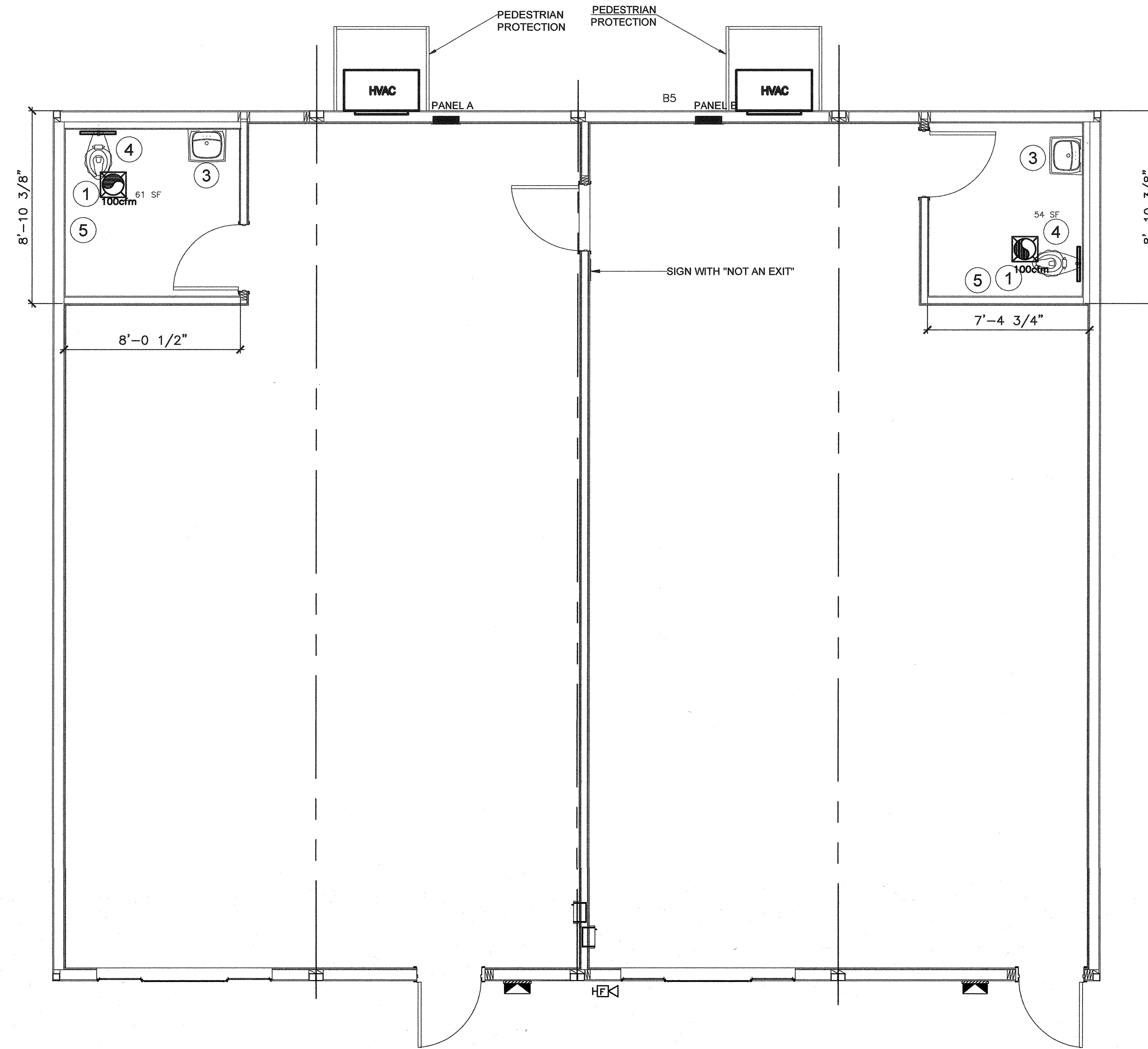
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PLUMBING WASTE & WATER  
 IDENTIFICATION STAMP  
 DIV. OF THE STATE ARCHITECT  
 APP#3 120280  
 AC W FLS SS  
 DATE OCT 9 2019

GLOBAL MODULAR INCORPORATED  
 177 ALLEN STREET, CAMARILLO, CA  
 DATE: 05 AUG 2019  
 DRAWN BY: [Signature]  
 CHECKED BY: [Signature]

PLUMBING PLAN  
 PROJECT: CAMARILLO ACADEMY OF PROGRESSIVE EDUCATION  
 DISTRICT: [Blank]  
 SITE: 177 ALLEN STREET, CAMARILLO, CA  
 DATE: 05 AUG 2019  
 DRAWN BY: [Signature]  
 CHECKED BY: [Signature]  
 SHEET NO: P3.0PS



TOILET ACCESSORIES		
REF. NUMBER	MODEL AND DESCRIPTION (**ALTERNATE/OPTIONAL)	LOCATION/HEIGHT
1	MULTI-ROLL RECESSED TOILET PAPER DISP. AT ACCESSIBLE STALL, 'BOBRICK' B-3888 OR APPROVED EQUAL 3" MAX PROJ.	ADULT: SEE 1, 2 OR 3/A10.1  ELEMENTARY: AGES 9 THROUGH 12 SEE 6, 7 OR 8/A10.1
	BY MANUF <input checked="" type="checkbox"/> BY DISTRICT <input type="checkbox"/>	
1a		
2		
3	MIRROR (18" x 36") 'BOBRICK' B-165, 1836 SERIES OR APPROVED EQUAL	ADULT: SEE 5/A10.1  ELEMENTARY: AGES 9 THROUGH 12 SEE 10/A10.1 AGES 5 THROUGH 8 SEE 10/A10.1 AGES 3 THROUGH 4 SEE 10/A10.1
	BY MANUF <input checked="" type="checkbox"/> BY DISTRICT <input type="checkbox"/>	
4	GRAB BAR (REAR) 'BOBRICK' B-6806, 36" SS  FOR USE AT REAR GRAB BAR EXCEPTION 'BOBRICK' B-6806, 24" SS	ADULT: SEE 1, 2 OR 3/A10.0  ELEMENTARY: AGES 9 THROUGH 12 SEE 6, 7 OR 8/A10.1 AGES 5 THROUGH 8 SEE 11 OR 12/A10.1 AGES 3 THROUGH 4 SEE 16 OR 17/A10.1  EXCEPTION: SEE REAR GRAB BAR EXCEPTION ON GENERAL NOTES
	BY MANUF <input checked="" type="checkbox"/> BY DISTRICT <input type="checkbox"/>	
5	GRAB BAR (SIDE) 'BOBRICK' B-6806, 42" SS	ADULT: SEE 1, 2 OR 3/A10.1  ELEMENTARY: AGES 9 THROUGH 12 SEE 6, 7 OR 8/A10.1 AGES 5 THROUGH 8 SEE 11 OR 12/A10.1 AGES 3 THROUGH 4 SEE 16 OR 17/A10.1
	BY MANUF <input checked="" type="checkbox"/> BY DISTRICT <input type="checkbox"/>	
6		
7	TOILET SEAT COVER DISP. SURFACE MOUNT. 'BOBRICK' B-221 OR APPROVED EQUAL	ADULT: SEE 1, 2 OR 3/A10.1  ELEMENTARY: AGES 9 THROUGH 12 SEE 6, 7 OR 8/A10.1 AGES 5 THROUGH 8 SEE 11 OR 12/A10.1 AGES 3 THROUGH 4 SEE 16 OR 17/A10.1
	BY MANUF <input type="checkbox"/> BY DISTRICT <input checked="" type="checkbox"/>	
8	SOAP DISPENSER SURFACE MOUNT. 'BOBRICK' B-2111 OR APPROVED EQUAL	ADULT: SEE 5/A10.1  ELEMENTARY: AGES 9 THROUGH 12 SEE 10/A10.1 AGES 5 THROUGH 8 SEE 10/A10.1 AGES 3 THROUGH 4 SEE 10/A10.1
	BY MANUF <input type="checkbox"/> BY DISTRICT <input checked="" type="checkbox"/>	
9	PAPER TOWEL DISPENSER 'BOBRICK' B-262 OR APPROVED EQUAL, SURFACE MOUNT, 4" MAX PROJ.	ADULT: SEE 5/A10.1  ELEMENTARY: AGES 9 THROUGH 12 SEE 10/A10.1 AGES 5 THROUGH 8 SEE 10/A10.1 AGES 3 THROUGH 4 SEE 10/A10.1
	BY MANUF <input type="checkbox"/> BY DISTRICT <input checked="" type="checkbox"/>	
10	MOVABLE WASTE BIN 12" MIN	
	BY MANUF <input type="checkbox"/> BY DISTRICT <input checked="" type="checkbox"/>	
11		
12		

NO.	DATE	REVISION

PC PROFESSIONAL OF RECORD

ACD ARCHITECT

PROFESSIONAL STAMP

IDENTIFICATION STAMP  
DIV. OF THE STATE ARCHITECT  
APR03 12 02 8 0  
AC VLS SS  
DATE OCT 03 2019

GLOBAL MODULAR INCORPORATED

PLUMBING ACCESSORIES

PROJECT: CAMARILLO ACADEMY OF PROGRESSIVE EDUCATION

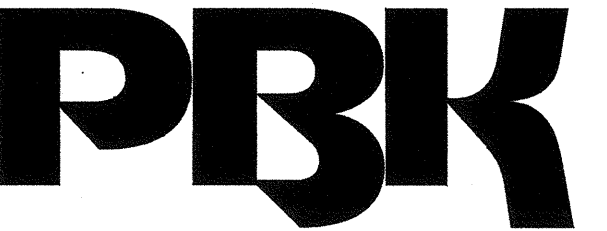
DISTRICT:

SITE: 777 AILEEN STREET, CAMARILLO, CA

DRAWN BY: DATE: 05 AUG 2019

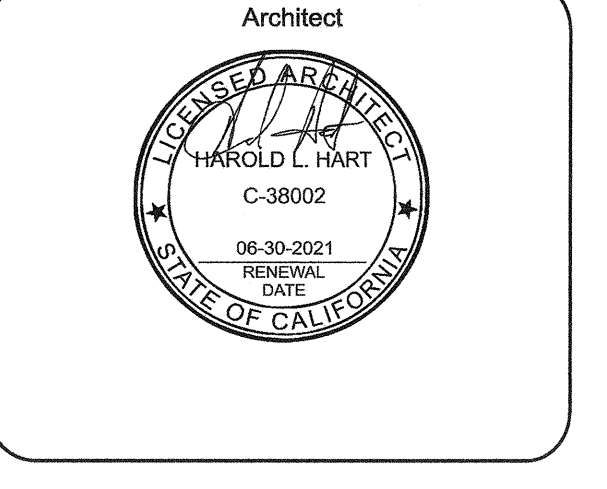
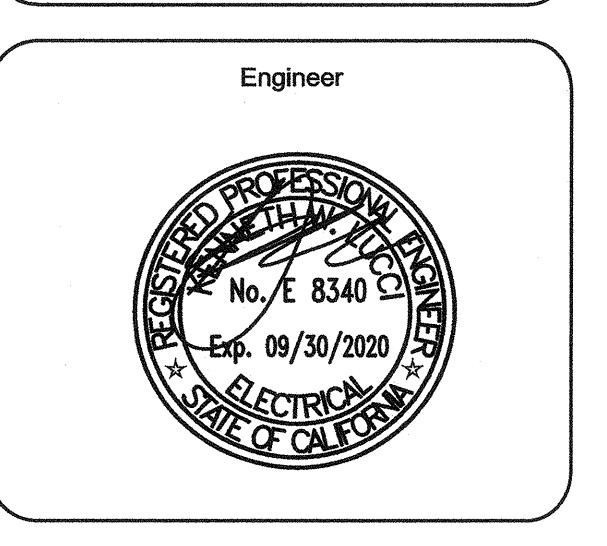
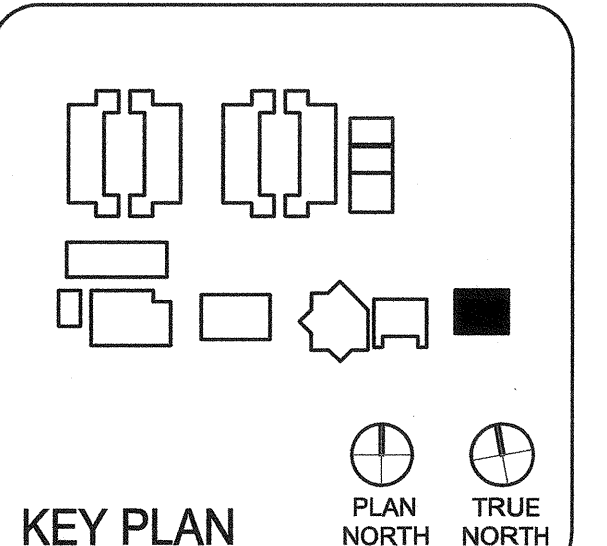
CHECKED BY: DATE:

SHEET NO: P3.1PS



ARCHITECT: PBK Architects, Inc. PROJECT NO: 19172  
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ELECTRICAL: 3201 CORTE MARINA, SUITE 100, CANANLITO, CA 92012  
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CLIENT: CAPE CHARTER SCHOOL  
PROJECT NUMBER: 19172  
DATE: 09-20-2019

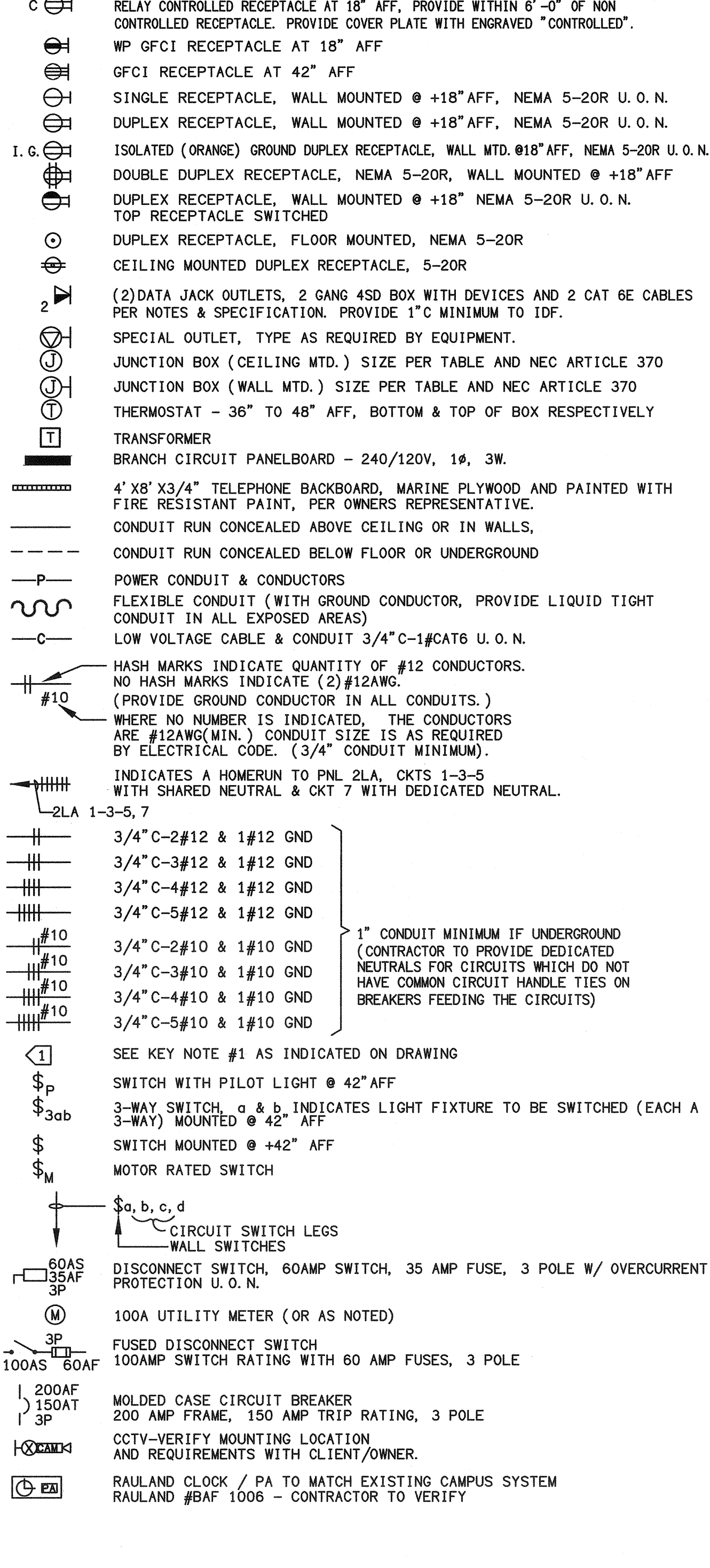
REVISIONS	No.	Description	Date

GENERAL NOTES, ABBREVIATIONS, SYMBOLS AND DRAWING LIST  
**E100**  
L.A.# 19752 PAPER SIZE 42"x30"

### GENERAL NOTES

- A. GENERAL**
  - 1. SCOPE**: THE DRAWINGS AND THESE GENERAL NOTES DESCRIBE THE SCOPE OF WORK AND SYSTEMS. THE MATERIAL REQUIRED FOR THE WORK SHALL BE CONTRACTOR FURNISHED AND CONTRACTOR INSTALLED, UNLESS SPECIFICALLY NOTED OTHERWISE. THE WORK INCLUDES BUT IS NOT LIMITED TO THE FOLLOWING PRINCIPAL SYSTEMS AND EQUIPMENT.
  - 2. PERMITS AND CHARGES**: OBTAIN AND PAY FOR ALL NECESSARY CONSTRUCTION PERMITS, INSPECTION FEES, AND OTHER CHARGES BY AGENCIES HAVING JURISDICTION.
  - 3. REGULATIONS AND CODES**: PROVIDE AND INSTALL ALL MATERIALS IN CONFORMANCE WITH THE 2016 C.E.C., CALIFORNIA ADMINISTRATIVE CODE TITLE 8, AND OTHER CODES AND REGULATIONS HAVING JURISDICTION. INSTALL ALL EQUIPMENT IN ACCORDANCE WITH THE REQUIREMENTS OF THE INSPECTING AUTHORITY AND THE MANUFACTURERS RECOMMENDATIONS.
  - 4. VERIFYING EXISTING CONDITIONS**: BEFORE SUBMITTING BID, BECOME THOROUGHLY FAMILIAR WITH ACTUAL EXISTING CONDITIONS AT THE BUILDING. THE INTENT OF THE WORK IS SHOWN ON THE DRAWINGS AND DESCRIBED HEREINFTER. BY THE ACT OF SUBMITTING A BID PROPOSAL FOR THE WORK, THE CONTRACTOR SHALL BE DEEMED TO HAVE MADE SUCH STUDY AND EXAMINATION AND TO ACCEPT ALL CONDITIONS PRESENT AT THE SITE. NO REQUEST FOR ADDITIONAL PAYMENT WILL BE CONSIDERED AS VALID, DUE TO FAILURE TO ALLOW FOR CONDITIONS WHICH MAY EXIST.
  - 5. COORDINATION**: COORDINATE ALL WORK WITH OTHER TRADES. OBTAIN ALL DRAWINGS THAT WILL REQUIRE COORDINATION AND PROVIDE ALL ELECTRICAL CONNECTIONS REQUIRED WHETHER SHOWN ON ELECTRICAL DRAWINGS OR NOT. ELECTRICAL EQUIPMENT LOCATIONS INDICATED ARE SHOWN DIAGRAMMATICALLY. EXACT LOCATION SHALL BE VERIFIED. SCALING OFF OF DRAWINGS SHALL BE DONE AT CONTRACTORS RISK. DO NOT SCALE DEVICES, LIGHTING FIXTURES OR ANY EQUIPMENT FROM PLANS. LIGHTING FIXTURE QUANTITIES AND LENGTHS SHALL BE CONTRACTORS RESPONSIBILITY. FIXTURES ARE SHOWN FOR CIRCUITING ONLY. CONTRACTOR TO VERIFY SIZES & QUANTITIES PRIOR TO BID.
  - 6. SERVICE CONTINUITY**: UNINTERRUPTED EXISTING ELECTRICAL POWER SHALL BE MAINTAINED TO OTHER TRADES FOR TEMPORARY POWER AREAS OF THE SITE DURING CONSTRUCTION. PROVIDE ANY TEMPORARY SERVICES AS MAY BE REQUIRED. IDENTIFY AT BID TIME, ALL WORK TO BE DONE ON PREMIUM TIME AND THE TOTAL OVERTIME MAN-HOURS REQUIRED FOR COMPLETION.
  - 7. AS BUILT**: PROVIDE RECORD DRAWINGS IN ACAD TO THE OWNER WITH ALL CHANGES NOTED THEREON AT THE COMPLETION OF THE PROJECT. RECORD DRAWINGS SHALL BE SIGNED AND DATED BY CONTRACTOR PRIOR TO RELEASE OF FINAL RETENTION OF ALL MONIES.
  - 8. GUARANTEE**: CONTRACTOR SHALL UNCONDITIONALLY GUARANTEE ALL LABOR AND MATERIALS ON ALL WORK AGAINST DEFECTS IN WORKMANSHIP AND MATERIALS FOR A PERIOD OF ONE YEAR.
  - 9. SHOP DRAWINGS**: SUBMIT SHOP DRAWINGS AND MATERIAL LIST FOR REVIEW PRIOR TO COMMENCING ANY WORK. ALL EQUIPMENT TO BEAR U.L. LABEL OR THAT OF ANOTHER ACCEPTABLE TESTING LABORATORY. SHOP DRAWINGS MUST BE STAMPED BY THE CONTRACTOR FOR CONFORMANCE PRIOR TO SUBMITTAL. SUBMIT THREE HARD COPY SETS OF SHOP DRAWINGS FOR REVIEW PRIOR TO PURCHASING ALL BREAKER MOUNTING HARDWARE, DISCONNECT SWITCHES, FUSES, CONTROLLERS, LIGHTING FIXTURES, LIGHT SWITCHES, RECEPTABLES, ETC.
  - 10. CONTRACTOR BID**: CONTRACTOR'S BID SHALL BE BASED ON ALL WORK SHOWN ON THE PLANS AND AS SPECIFIED. IF CONTRACTOR PROPOSES TO SUBSTITUTE FOR EQUIPMENT SPECIFIED, HE SHALL SUBMIT HIS REQUEST FOR CONSIDERATION OF THE OWNER AND ENGINEER PRIOR TO BID. IN WRITING. ALL SUBSTITUTIONS MUST BE REVIEWED BY THE ENGINEER IN WRITING. SUCH REVIEW SHALL NOT RELIEVE THE CONTRACTOR COMPLYING WITH THE REQUIREMENTS OF THE DRAWINGS AND SPECIFICATIONS, AND THE CONTRACTOR SHALL BE RESPONSIBLE AT HIS OWN EXPENSE FOR ANY CHARGES RESULTING FROM HIS PROPOSED SUBSTITUTIONS WHICH AFFECT OTHER PARTS OF HIS OWN WORK, THE OWNER, ENGINEER OR RECORD OR THE WORK OF OTHER CONTRACTORS.
- B. MATERIAL AND INSTALLATION**
  - ALL WORK AND MATERIAL SHALL CONFORM TO THE LATEST RULES OF THE GOVERNING ELECTRICAL CODE AND INSTALLATION SHALL BE OF THE LATEST INDUSTRY STANDARDS OF WORKMANSHIP.
  - ALL MATERIALS SHALL BE NEW AND LISTED FOR THE APPLICATION. BY UNDERWRITERS LABORATORY (U.L.).
  - 1. CONDUITS**: CONDUIT SHALL BE EMT, PVC, IMC, RIGID OR FLEXIBLE STEEL TYPE. CONDUIT SHALL BE MANUFACTURED IN ACCORDANCE WITH UL-1. A GROUND WIRE IS REQUIRED IN ALL FLEXIBLE CONDUIT AND UNDERGROUND CONDUIT. BUSHINGS SHALL BE INSTALLED ON ALL COMMUNICATION, TELEPHONE & SPEAKER CONDUITS. PROVIDE 3/16" NYLON FULL STRING IN ALL EMPTY CONDUITS. NO EX OR NO. 10 STEEL CONDUIT RIGS SHALL BE LIMITED TO A MAXIMUM LENGTH OF 6 FOOT STEEL. MC CABLE IS ACCEPTABLE. ALL CONNECTIONS SHALL BE COMPRESSION & NOT SCREW TYPE.
  - 2. SWITCHES AND RECEPTABLES**: PROVIDE 20AMP NEMA RATED SWITCHES AND RECEPTABLES OF SPECIFICATION GRADE. ALL SWITCHES SHALL BE RATED FOR 120 AND/OR 277 VOLT AND RECEPTABLES SHALL BE NEMA 5-20R. IN ALL OFFICES AND OFFICE AREAS DEVICES SHALL BE DECORA SERIES TYPE WITH COLOR SELECTION BY CONTRACTOR/OWNERS REPRESENTATIVE.
  - 3. FEEDERS AND BRANCH CIRCUITS IDENTIFICATION**: IDENTIFY FEEDERS WITH THE CORRESPONDING CIRCUIT DESIGNATION AT THE OVER-CURRENT DEVICE, LOAD END, AND IN PULL BOXES WITH E-2 CODE OR OTHER APPROVED WIRE MARKER. IDENTIFY BRANCH CIRCUITS WITH I.D. MARKERS, THE CORRESPONDING CIRCUIT DESIGNATION AT THE OVER-CURRENT DEVICE, AT ALL SPLICES, IN JUNCTION BOXES, AND IN OUTLETS. USE PLASTIC COATED SELF-STICKING MARKERS SUCH AS THOMAS & BETTS E-2 CODE FOR IDENTIFICATION OF CONDUCTORS. IDENTIFY SIGNAL & COMMUNICATION CABLES AT TERMINAL AND OUTLET UNIQUELY WITH PERMANENT LABELING.
  - 4. CONDUCTORS**: DELIVER ALL CONDUCTORS TO THE JOB SITE. IN ORIGINAL UNBROKEN CARTON OR REEL, PROPERLY TAGGED WITH U.L. LABEL, SIZE, TYPE, MANUFACTURER, TRADE NAME AND THE DATE OF MANUFACTURE. (MUST BE MANUFACTURED WITHIN 6 MONTHS) PROVIDE COPPER CONDUCTORS #12 AWG UNLESS SPECIFICALLY NOTED OTHERWISE ON THE DRAWINGS. PROVIDE STRANDED COPPER CONDUCTORS FOR ALL WIRING. USE CONDUCTORS WITH 90°C THHN/THWN 600 VOLTS INSULATION. UNLESS OTHERWISE NOTED, CONDUCTOR SIZE NO. 1 AWG AND SMALLER WITH 90 DEGREE C INSULATION ARE TO USE THE 60 DEGREE COLUMN OF THE CODE, TABLE 310-16, TO DETERMINE AMPACITY. CONDUCTORS #1/0 AWG AND LARGER WITH 75 DEGREE AND 90 DEGREE INSULATION ARE TO USE THE 75 DEGREE COLUMN OF CODE, TABLE 310-16, TO DETERMINE AMPACITY. (110, 140) WHERE THE NUMBER OF CONDUCTORS IN A RACEWAY OR CABLE EXCEEDS THREE, THE ALLOWABLE AMPACITY OF EACH CONDUCTOR SHALL BE REDUCED PER TABLE 310.15(6)(3)(a).
  - 5. LIGHTING FIXTURES**: PROVIDE LIGHTING FIXTURES WITH ELECTRONIC DRIVERS PER SCHEDULE. PROVIDE WITH LAMPS BY G.E., PHILIPS OR SYLVANIA AS STATED IN THE SCHEDULE. NO SUBSTITUTIONS OF FIXTURES SHALL BE PROVIDED WITHOUT THE APPROVAL OF THE ENGINEER -OF-RECORD.
  - 6. PANELBOARDS (BID SQUARE D. PROVIDE OF ALTERNATE BID)**: DISTRIBUTION AND LIGHTING PANELBOARDS WITHIN PROJECT AREA SHALL BE OF THE COPPER BUS THREE PHASE, FOUR WIRE DISTRIBUTED PHASING TYPE. CIRCUITING SHALL BE ARRANGED TO PROVIDE, AS NEARLY AS POSSIBLE, AN EVENLY BALANCED LOAD ON ALL PHASES. PANELBOARDS SHALL BE BUILT-ON CIRCUIT BREAKER TYPE. AVAILABLE FAULT CURRENT IS STATED ON PANELBOARD SCHEDULE. PROVIDE PANEL IDENTIFICATION NAMEPLATE (ENGRAVED ON-ADHESIVE 1/2" MINIMUM LETTERS) AND TYPEWRITTEN LIST OF CIRCUITS IN THE DIRECTORY FRAME.
  - 7. STRUCTURAL SUPPORT**: EACH SECTION OF FLOOR MOUNTED SWITCHBOARD, DISTRIBUTION BOARD, MCC, ETC. SHALL BE BOLTED TO THE CONCRETE HOUSEKEEPING PAD USING (6) 3/4"-10 GRADE 2 BOLTS AND CONICAL WASHERS TORQUED TO 70LB-FT. PROVIDE MINIMUM 4000 PSI STRENGTH CONCRETE BELOW ALL FLOOR MOUNTED ELECTRICAL EQUIPMENT. TIE THE TOP OF ALL FLOOR MOUNTED ELECTRICAL EQUIPMENT TO THE BUILDING STRUCTURE IN A SEISMICALLY APPROVED MANNER.
  - 8. ELECTRICAL CERTIFICATION**: \*ELECTRICIANS PERFORMING WORK ON THIS PROJECT SHALL BE CURRENTLY CERTIFIED IN ACCORDANCE WITH THE STATE OF CALIFORNIA A9391 AND THE DIVISION OF APPRENTICESHIP STANDARDS SECTION 3099.

### SYMBOLS



### ABBREVIATIONS

A	AMPERES	MTD	MOUNTED TELEPHONE BACKBOARD
AF	AMP FRAME/AMP FUSE	MTB	MAIN TELEPHONE BACKBOARD
AF	AVAILABLE FAULT CURRENT	MTG	MOUNTING
AF	ABOVE FINISHED FLOOR	MV	MEDIUM VOLTAGE
ARCH	ARCHITECT	MH	METAL HALIDE MANUFACTURER
AC	AMP SWITCH	NEC	NATIONAL ELECTRICAL CODE
AT	AMP TRIP	(N)	NEW
AWG	AMERICAN WIRE GAGE	NIC	NIGHT LIGHT
BRBD	BACKBOARD CONDUIT	NL	NORMALLY IN CONTRACT
CB	CIRCUIT BREAKER	N.O.	NORMALLY OPEN
CONT.	CIRCUIT CONTINUATION	N.C.	NORMALLY CLOSED
CTK	CIRCUIT	P	POWER OR POLE
CLG	CEILING CONDUIT ONLY	PBO	PROVIDED BY OTHERS
CTV	CABLE TELEVISION	PNL	PANEL
CW	COLD WATER PIPE	(R)	REMOVED
CU	COPPER	RG	RIGID GALVANIZED STEEL CONDUIT
DIS	DISCONNECT	RM	ROOM
DWG	DRAWING	SN	SYSTEM NEUTRAL
DS	DISCONNECT SWITCH	TC	TIME CLOCK
EM	ELECTRICAL CONTRACTOR	TTB	TELEPHONE TERMINAL BOARD
EOR	ENGINEER OF RECORD	TTC	TELEPHONE TERMINAL CABINET
(F)	FRONT	TRF	TRANSFORMER
FS	SHALLOW FLOOR BOX	TVSS	TRANSIENT VOLTAGE SURGE SUPPRESSOR
GC	GENERAL CONTRACTOR	U.C.	UNDERGROUND
GFI	GROUND FAULT INTERRUPTER	UNSW	UNLESS OTHERWISE NOTED UNSWITCHED
GP	GROUND	V	VOLT AMPS
HP	HORSeshOWER	V	VOLTS/VOLTAGE
I.G.	ISOLATED GROUND	W	WATTS/WATTAGE
J.B.	JUNCTION BOX	WP	WEATHERPROOF
KVA	KILO-VOLT AMPS=1000VA	(X)	WITH EXISTING
L.C.	LIGHTING CONDUCTOR		
LCL	LOW CONTINUOUS LOAD		
LV	LOW VOLTAGE		

### DERATING TABLE

NEC #310-8 ADJUSTMENT FACTORS

NUMBER OF CURRENT-CARRYING CONDUCTORS	PERCENT OF VALUES IN TABLES AS ADJUSTED FOR AMBIENT TEMPERATURE IF NECESSARY
4 THROUGH 6	80
7 THROUGH 9	70
10 THROUGH 20	50
21 THROUGH 30	45
31 THROUGH 40	40
41 AND ABOVE	35

WHERE SINGLE CONDUCTORS OR MULTICONDUCTOR CABLES ARE STACKED OR BUNDLED LONGER THAN 24 INCHES (610 mm) WITHOUT MAINTAINING SPACING AND ARE NOT INSTALLED IN RACEWAYS, THE ALLOWABLE AMPACITY OF EACH CONDUCTOR SHALL BE REDUCED AS SHOWN IN THE ABOVE TABLE.

EXCEPTION NO. 1: WHERE CONDUCTORS OF DIFFERENT SYSTEMS, AS PROVIDED IN SECTION 300-3, ARE INSTALLED IN A COMMON RACEWAY OR CABLE, THE DERATING FACTORS SHOWN ABOVE SHALL APPLY TO THE NUMBER OF POWER AND LIGHTING (ARTICLES 210, 215, 220, AND 230) CONDUCTORS ONLY.

EXCEPTION NO. 2: FOR CONDUCTORS INSTALLED IN CABLE TRAYS, THE PROVISIONS OF SECTION 318-11 SHALL APPLY.

EXCEPTION NO. 3: DERATING FACTORS SHALL NOT APPLY TO CONDUCTORS IN NIPPLES HAVING A LENGTH NOT EXCEEDING 24 INCHES (610mm).

EXCEPTION NO. 4: DERATING FACTORS SHALL NOT APPLY TO UNDERGROUND CONDUCTORS ENTERING OR LEAVING AN OUTDOOR TRENCH IF THOSE CONDUCTORS HAVE PHYSICAL PROTECTION TO THE FORWARD CONDUIT, INTERMEDIATE METAL CONDUIT, OR RIGID NONMETALLIC CONDUIT HAVING A LENGTH NOT EXCEEDING 10 FEET (3.05m) ABOVE GRADE AND THE NUMBER OF CONDUCTORS DOES NOT EXCEED FOUR.

EXCEPTION NO. 5: FOR OTHER LOADING CONDITIONS, ADJUSTMENT FACTORS AND AMPACITIES SHALL BE PERMITTED TO BE CALCULATED UNDER SECTION 310-15(b).

(FNC): SEE APPENDIX B, TABLE B-310-11 FOR ADJUSTMENT FACTORS FOR MORE THAN THREE CURRENT-CARRYING CONDUCTORS IN A RACEWAY OR CABLE WITH LOAD DIVERSITY.

(b) MORE THAN ONE CONDUIT, TUBE, OR RACEWAY. SPACING BETWEEN CONDUITS, TUBES, OR RACEWAYS SHALL BE MAINTAINED.

### COLOR CODE FOR CONDUCTORS

PROVIDE CONDUCTOR COLOR CODE AS FOLLOWS:  
120/208VAC, 3ø, 4W, BLUE, BLACK, RED FOR PHASE CONDUCTORS  
AND WHITE FOR NEUTRAL, GREEN FOR GROUND.  
277/480VAC, 3ø, 4W, ORANGE, BROWN, YELLOW FOR PHASE CONDUCTORS  
AND WHITE FOR NEUTRAL, GREEN FOR GROUND.

### LIST OF DRAWINGS

SHEET	DESCRIPTION	SHEET	DESCRIPTION
E100	GENERAL NOTES, ABBREVIATIONS, SYMBOLS & DRAWING LIST	E500	FIRE ALARM GENERAL NOTES AND SYMBOLS
E140	SITE ELECTRICAL POWER & LOW VOLTAGE PLAN - EXISTING CONDITIONS	E502	RELOCATABLE BUILDING FIRE ALARM PLAN
E150	SITE ELECTRICAL PLAN - NEW WORK	E504	FIRE ALARM SYSTEM RISER DIAGRAM - NEW WORK
E180	ELECTRICAL DETAILS	E505	FIRE ALARM BATTERY CALCULATIONS
E181	ELECTRICAL PLAN	E601	ELECTRICAL DETAILS
E182	ELECTRICAL PLAN	E602	STRUCTURAL SUPPORT DETAILS
E200	ELECTRICAL SINGLE LINE AND PANEL SCHEDULE		
E402	BLDG 800 FLOOR PLAN - FIRE ALARM		
E405	TYPICAL RELOCATABLE BLDG. FLOORPLAN		

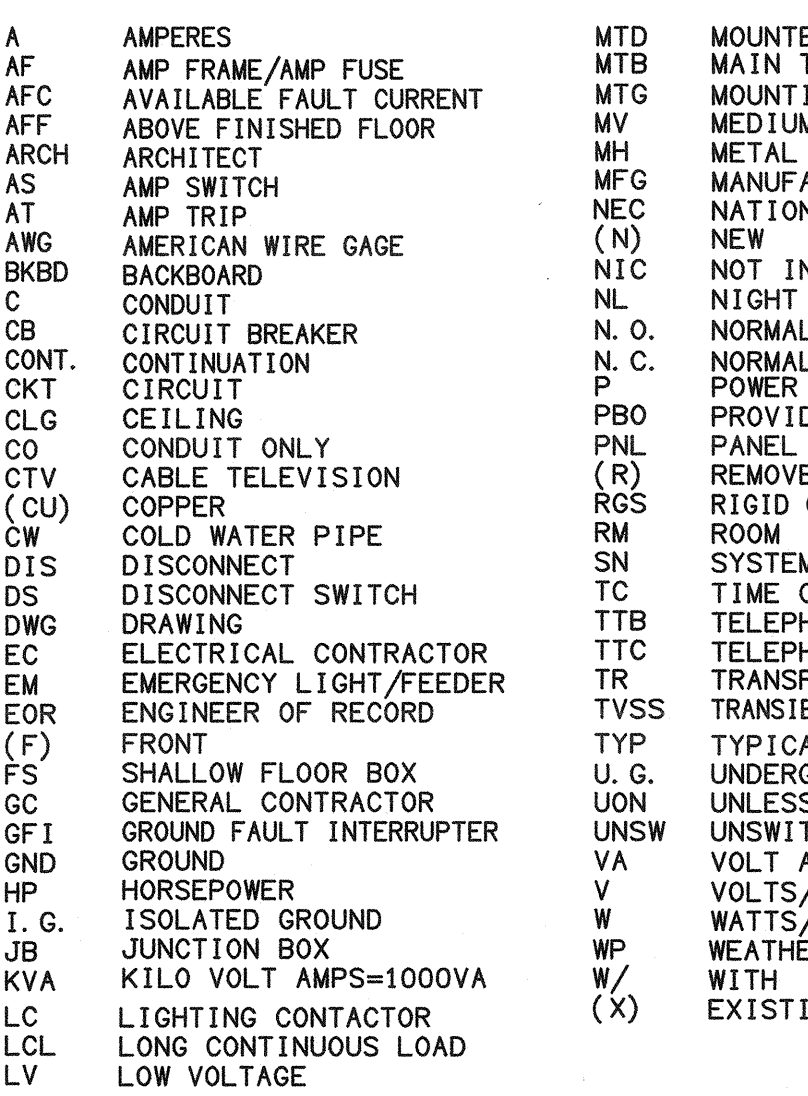
### SCOPE OF WORK

PROVIDE POWER, LOW VOLTAGE (DATA / VOICE / CLOCK / FA) AND FIRE ALARM (FULLY ADDRESSIBLE) TO NEW MODULAR BUILDINGS ON CAMPUS

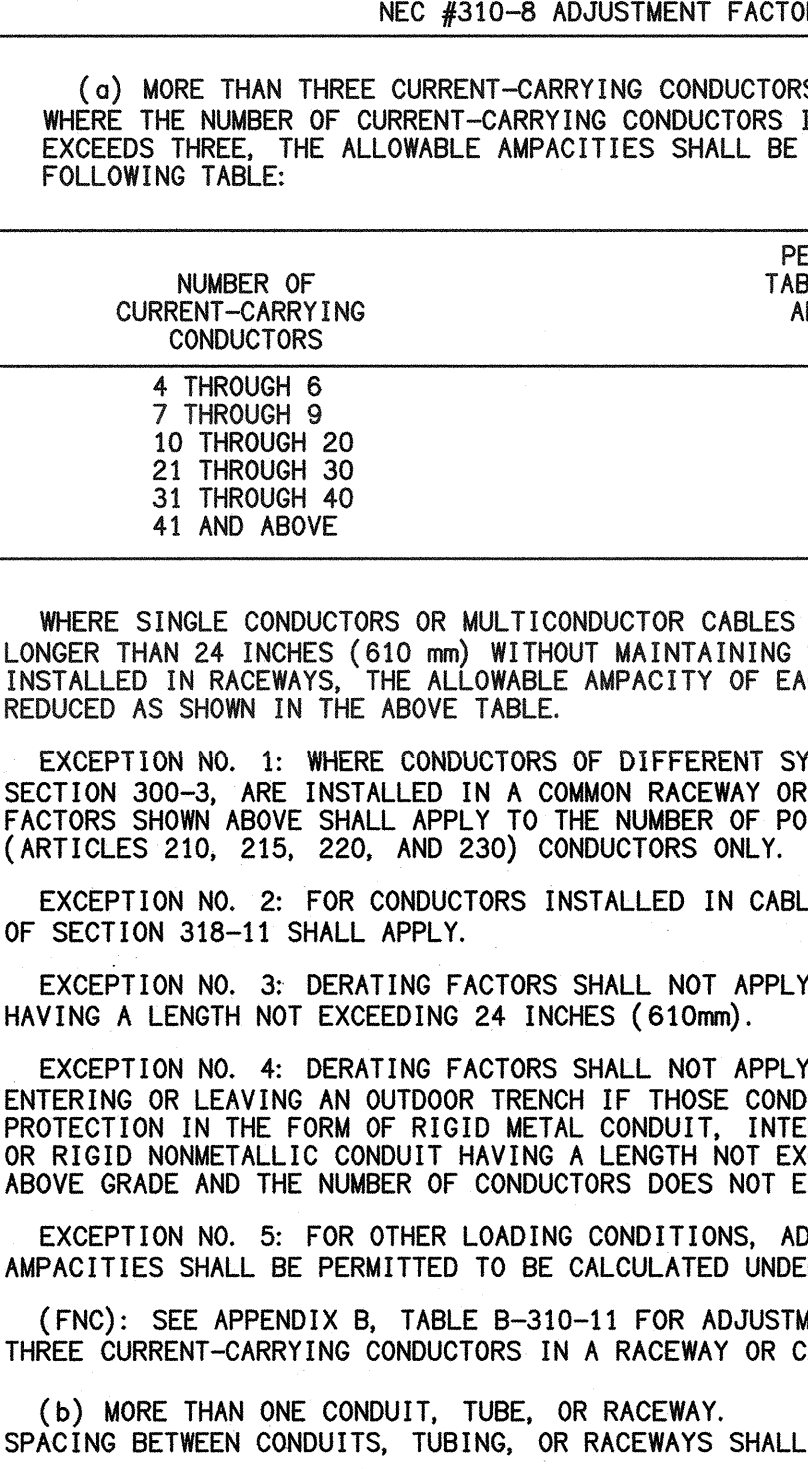
### GENERAL STANDARDS

- 1. 2016 CALIFORNIA BUILDING STANDARDS ADMINISTRATIVE CODE CALIFORNIA CODE OF REGULATIONS (CCR) TITLE 24, PART 1
- 2. 2016 CALIFORNIA BUILDING CODE (CBC) CALIFORNIA CODE OF REGULATIONS (CCR) TITLE 24, PART 2 (2015 INTERNATIONAL BUILDING CODE) W/CALIFORNIA AMENDMENTS
- 3. 2016 CALIFORNIA ELECTRICAL CODE (CEC) CALIFORNIA CODE OF REGULATIONS (CCR) TITLE 24, PART 3 (2014 NATIONAL ELECTRICAL CODE) (NEC) W/CALIFORNIA AMENDMENTS
- 4. 2016 CALIFORNIA ENERGY CODE CALIFORNIA CODE OF REGULATIONS (CCR) TITLE 24, PART 6
- 5. 2016 CALIFORNIA FIRE CODE (CFC) CALIFORNIA CODE OF REGULATIONS (CCR) TITLE 24, PART 9 (2015 INTERNATIONAL FIRE CODE) (IFC) W/CALIFORNIA AMENDMENTS
- 6. 2016 CALIFORNIA REFERENCED STANDARDS CODE CALIFORNIA CODE OF REGULATIONS (CCR) TITLE 24, PART 12
- 7. AMERICANS WITH DISABILITIES ACT (ADA) TITLE II - ACCESSIBILITY GUIDELINES FOR BUILDINGS AND FACILITIES (ADAG) 1990 STATE FIRE MARSHAL REGULATIONS AND AMENDMENTS TO-DATE
- 8. CALIFORNIA CODE OF REGULATIONS (CCR) TITLE 24, CALIFORNIA STATE ACCESSIBILITY STANDARDS CALIFORNIA CODE OF REGULATIONS (CCR) TITLE 19, TITLE 24 C.C.R.
- 9. 2016 CALIFORNIA GREEN BUILDING STANDARDS CODE (CAL GREEN), PART II, TITLE 24 C.C.R.
- 10. 2016 CALIFORNIA MECHANICAL CODE (CMC) CALIFORNIA CODE OF REGULATIONS (CCR) TITLE 24, PART 4 (2015 UNIFORM MECHANICAL CODE) (UMC) W/CALIFORNIA AMENDMENTS
- 11. 2016 CALIFORNIA PLUMBING CODE (CPC) CALIFORNIA CODE OF REGULATIONS (CCR) TITLE 24, PART 5 (2015 UNIFORM PLUMBING CODE) (UPC) W/CALIFORNIA AMENDMENTS
- 12. 2013 TITLE 19 CALIFORNIA CODE OF REGULATIONS (CCR) PUBLIC SAFETY, STATE FIRE MARSHAL REGULATIONS
- 13. 2016 NFPA 72 NATIONAL FIRE ALARM CODE

### MOUNTING HEIGHT OVER OBSTRUCTION



### KEY MAP



### ABBREVIATIONS

AMP	AMPERES	MTD	MOUNTED TELEPHONE BACKBOARD
AF	AMP FRAME/AMP FUSE	MTB	MAIN TELEPHONE BACKBOARD
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KVA	KILO-VOLT AMPS=1000VA	(X)	WITH EXISTING
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LCL	LOW CONTINUOUS LOAD		
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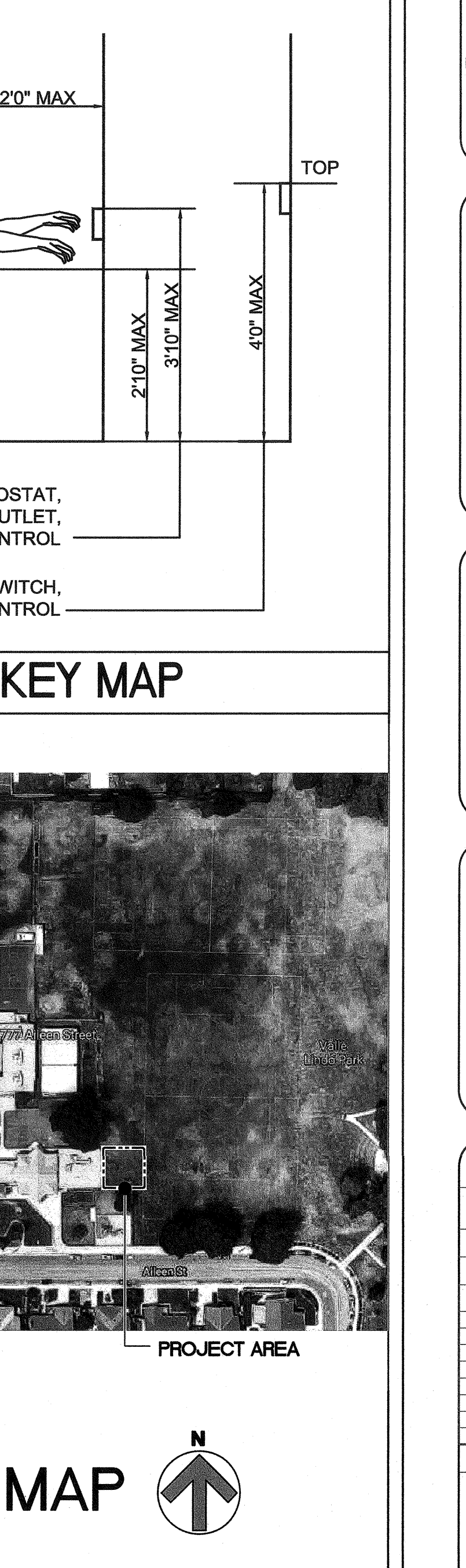
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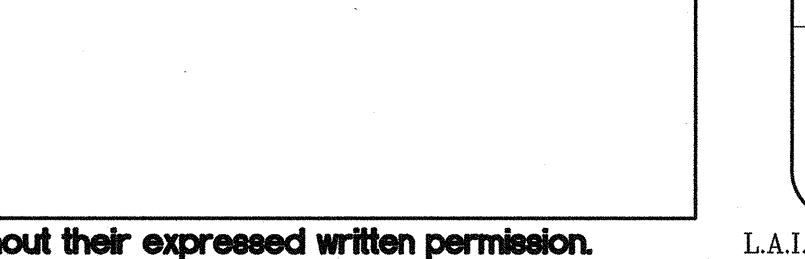
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### KEY MAP



### KEY MAP



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DIV. OF THE STATE ARCHITECT  
APPROX. 120980  
AC. FLSTPHSS  
DATE OCT 9 2019



ARCHITECT PBK Architects, Inc.  
VENTURA  
2751 Parkview Ct, Suite 251  
Ventura, CA 93008  
805-847-3200 P  
805-853-4514 F

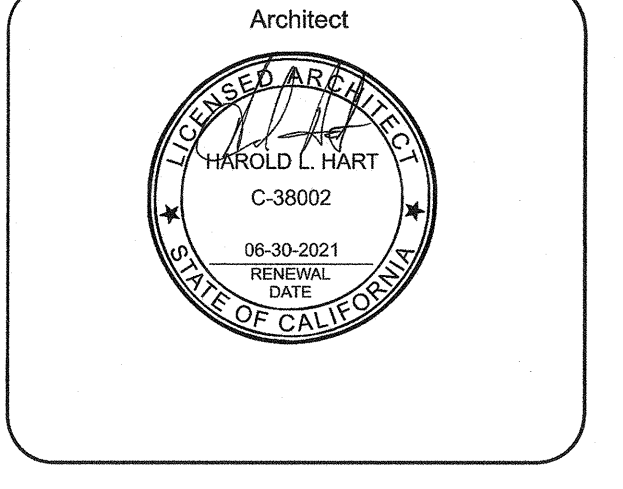
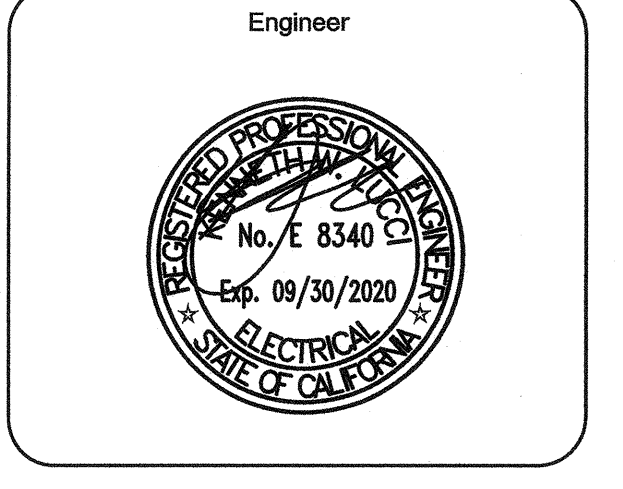
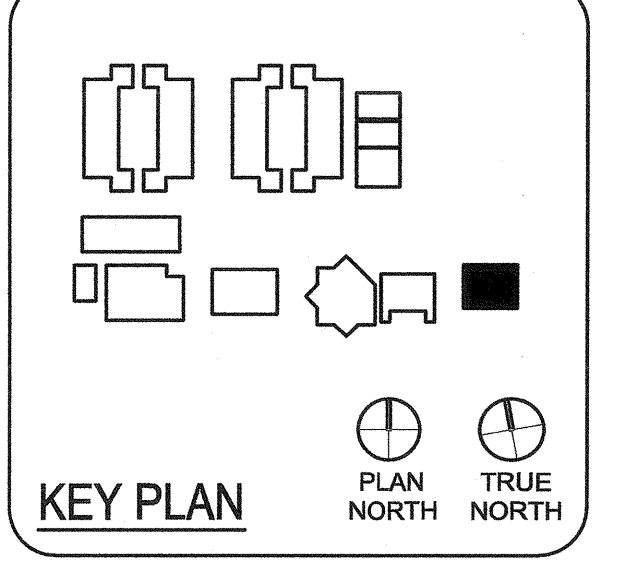
LAND SURVEYOR 601 VALLEJONIA, SUITE 600  
CARMELITE, CA 95012  
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CIVIL 1416 HAWK STREET  
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805-853-7200 P, 805-853-8751 F

MECHANICAL 494 BAY MECHANICAL ENGINEERS, INC.  
VENTURA, CA 93001  
805-853-7200 P, 805-853-3889 F

ELECTRICAL 3291 CORTI MALPASO 601  
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831-625-3505 P

PLUMBING 494 BAY MECHANICAL ENGINEERS, INC.  
VENTURA, CA 93001  
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CLIENT  
CAPE CHARTER SCHOOL  
PROJECT NUMBER  
19172

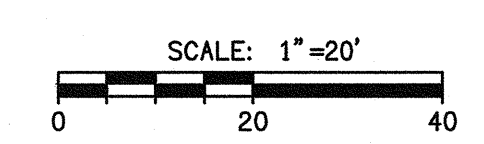
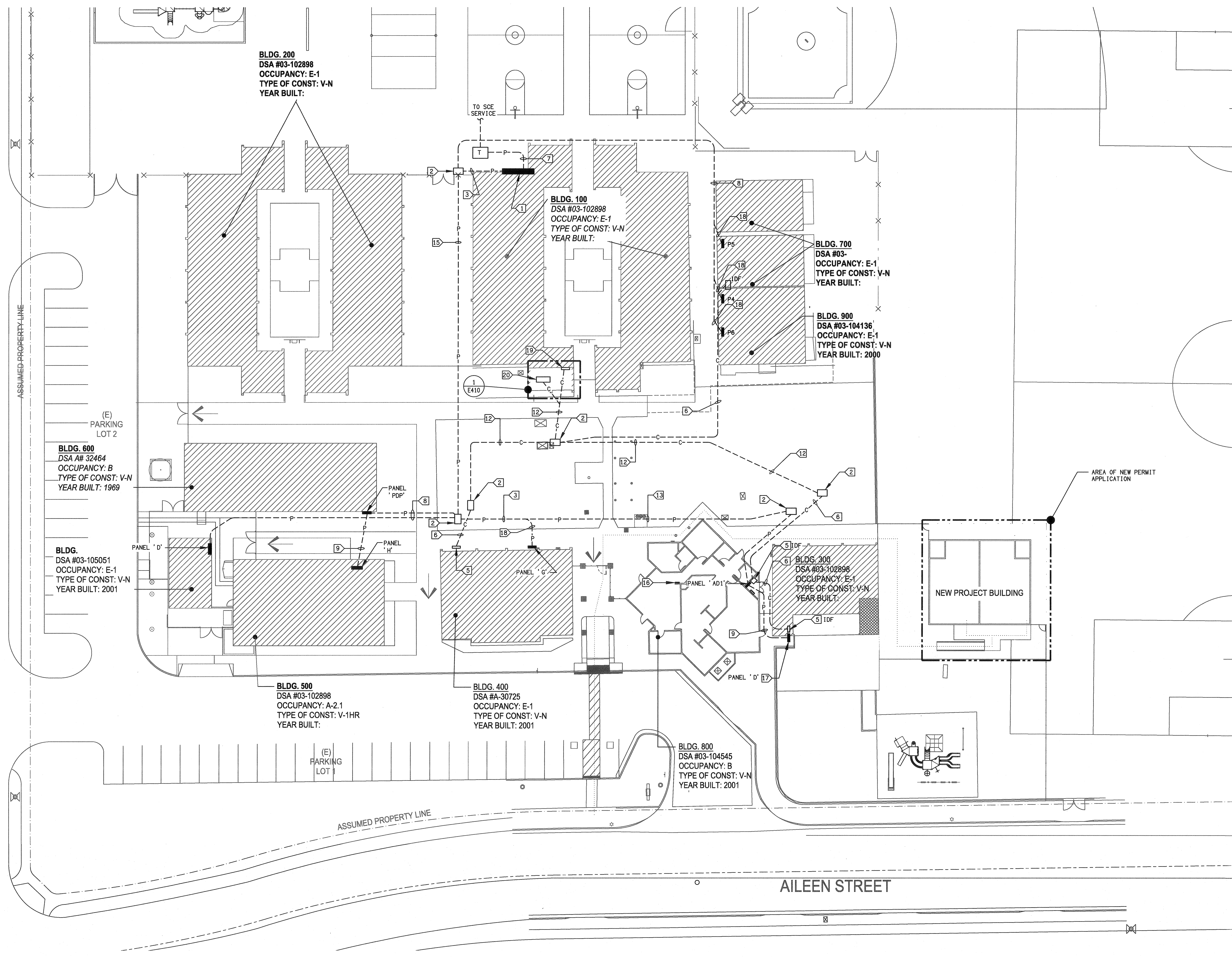
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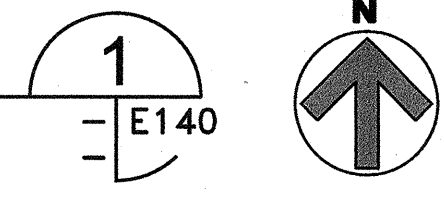
No.	Description	Date

SITE ELECTRICAL  
POWER AND LOW  
VOLTAGE PLAN -  
EXISTING  
CONDITIONS  
**E140**

- KEY NOTES: (ALL ITEMS ARE EXISTING)
- 1 MAIN SWITCHBOARD 'MSB', 2000A AT 120/208VAC, 3Ø, 4W PER E200.
  - 2 PULLBOX EXISTING.
  - 3 (5) 4" C, (4) 3" C, (2) 2-1/2" C WITH FEEDERS PER E200.
  - 4 (1) 4" & (1) 2-1/2" CONDUITS TO BUILDING PANELBOARD.
  - 5 COMMUNICATIONS TERMINATION CABINET.
  - 6 (1) 1" C-CLOCK, (1) 2" C-DATA, (1) 2" C-INTERCOM, (1) 1" C-FIRE ALARM, (1) 2" C-CATV.
  - 7 EXISTING CONDUITS.
  - 8 (3) 2" C & FEEDERS PER E200.
  - 9 2" C & FEEDERS PER E200.
  - 10 NOT USED.
  - 11 NOT USED.
  - 12 COMMUNICATION SYSTEMS CONDUITS. (2) 3" C-DATA, (4) 3" C-INTERCOM, (1) 2" C-FIRE ALARM, (1) 1" C-CLOCK, (1) 2" C-CATV.
  - 13 (2) 2" C, (1) 2-1/2" C & FEEDERS PER E200.
  - 14 NOT USED.
  - 15 (2) 2" C, (4) 3" C, (2) 2-1/2" C WITH FEEDERS PER E200.
  - 16 FIRE ALARM ANNUNCIATOR PANEL.
  - 17 BUILDING PANELBOARD AND IDF CABINETS.
  - 18 2" C & CONDUCTORS PER E200.
  - 19 FIRE ALARM CONTROL PANEL FCI 7200 (SEE FIRE ALARM PLANS E500 SERIES) INSTALLED UNDER DSA#03-102898.
  - 20 MDF (CAMPUS MAIN DISTRIBUTION FRAME) FOR LOW VOLTAGE SYSTEMS.



SITE ELECTRICAL POWER & LOW VOLTAGE PLAN - EXISTING CONDITIONS



KEY MAP

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TIME: 5:09 pm  
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DRAWING FILENAME: 19172E140  
DRAFTER: Lee Keener  
CHECKED BY: Checker  
DRAWN BY: Author

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9/27/2019 9:15:59 AM

**BLDG. 200**  
DSA #03-102898  
OCCUPANCY: E-1  
TYPE OF CONST: V-N  
YEAR BUILT:

**BLDG. 100**  
DSA #03-102898  
OCCUPANCY: E-1  
TYPE OF CONST: V-N  
YEAR BUILT:

**BLDG. 700**  
DSA #03-  
OCCUPANCY: E-1  
TYPE OF CONST: V-N  
YEAR BUILT:

**BLDG. 900**  
DSA #03-104136  
OCCUPANCY: E-1  
TYPE OF CONST: V-N  
YEAR BUILT: 2000

**BLDG. 500**  
DSA #03-102898  
OCCUPANCY: A-2.1  
TYPE OF CONST: V-1HR  
YEAR BUILT:

**BLDG. 400**  
DSA #A-30725  
OCCUPANCY: E-1  
TYPE OF CONST: V-N  
YEAR BUILT: 2001

**BLDG. 800**  
DSA #03-104545  
OCCUPANCY: B  
TYPE OF CONST: V-N  
YEAR BUILT: 2001

**BLDG. 300**  
DSA #03-102898  
OCCUPANCY: E-1  
TYPE OF CONST: V-N  
YEAR BUILT:

**SHEET NOTES:**

1. VERIFY LOCATION OF ALL BUILDINGS AND APPENDICES ON ARCHITECTURAL AND CIVIL PLANS.
2. CONTRACTOR SHALL VERIFY LOCATION AND REQUIREMENTS OF ALL ELECTRICAL DEVICES PRIOR TO BID. ROUGH-IN AND INSTALLATION.
3. CONTRACTOR SHALL FIELD VERIFY LOCATION OF ALL UNDERGROUND UTILITIES PRIOR TO ANY TRENCHING. CONTRACTOR SHALL PROTECT ALL EXISTING/REMAINING UNDERGROUND UTILITY SYSTEMS IN PLACE. CONTRACTOR SHALL REPAIR ANY UTILITY SYSTEM DAMAGED DURING CONSTRUCTION.
4. ALL CONDUIT 90° CONDUIT BENDS AND RISERS SHALL BE PVC SCHEDULE 80.
5. MINIMUM CONDUIT BURIAL DEPTH IS 24", 60" DEEP WHEN HORIZONTAL BORED.
6. 1" CONDUIT MINIMUM UNDERGROUND.
7. COORDINATE WORK WITH OTHER TRADES. OBTAIN ALL DRAWINGS THAT WILL REQUIRE COORDINATION AND PROVIDE ALL ELECTRICAL CONNECTIONS, DEVICES, AND WIRING REQUIRED WHETHER SHOWN ON ELECTRICAL DRAWINGS OR NOT.
8. CONTRACTOR SHALL FURNISH AND INSTALL PULL BOXES AS REQUIRED TO INSTALL CONDUITS PER CONDUCTOR MANUFACTURERS RECOMMENDATIONS, PER THE NATIONAL ELECTRICAL CODE AND PER LOCAL AUTHORITIES HAVING JURISDICTION.

**KEY NOTES:**

- 1 EXISTING PULL BOX.
- 2 EXISTING EQUIPMENT.
- 3 RECOMMENDED BORE PIT LOCATION.
- 4 NEW UNDERGROUND FEEDER PER E200.
- 5 NEW PULL BOX PER DETAIL 7 E601, 24"x36" WITH TRAFFIC RATED LOCKABLE COVER LABEL "ELECTRICAL" & COORDINATE EXACT LOCATION WITH OWNER REPRESENTATIVE, PROVIDE CLOSE TO EXISTING FENCE.
- 6 NEW (2)3"C-(2)4"C, PROVIDE NEW FEEDER IN ONE OF THE (2)3"C.
- 7 NEW 2-1/2"C FEEDER PER E200.
- 8 PANEL PER E405 (PROVIDED WITH MODULAR).
- 9 HORIZONTAL BORE THESE CONDUITS/FEEDERS (NEW).
- 10 INSTALL NEW CONDUITS/FEEDERS PER E200, SAW CUT & PATCH ASPHALT.
- 11 LOW VOLTAGE - COM SYSTEM (NEW)
  - 2"C - COM (OPTICAL FIBER)
  - 1-1/2"C - FIRE ALARM (FA)
  - 1-1/4"C - CLOCK SYSTEM
  - 1-1/2"C - PUBLIC ADDRESS (PA)
 SEE E405 FOR CABLING
- 12 (NEW WORK) PROVIDE POWER TO WP GFCI RECEPTACLE FOR DRINKING FOUNTAIN FROM CLOSEST 20A, 120VAC CIRCUIT / PANEL. FIELD VERIFY.
- 13 ADD NEW CABLES / CONDUCTORS PER E405 TO SOURCE FROM NEW PROJECT BUILDING.
- 14 ADD NEW CONDUCTORS / FEEDER PER E200.
- 15 NEW PANEL 'MB' PER E200.
- 16 ADD NEW FA CABLING FOR/TO NEW ANNUNCIATOR PER FA RISER DIAGRAM.
- 17 FOR DUCTBANK DETAIL E601.

**ARCHITECT** PBK Architects, Inc.  
VENTURA  
2751 Parkview Ct, Suite 251  
Ventura, CA 93006  
805-847-5200 P  
805-853-4514 F

**LAND SURVEYOR** 821 VIA ALONDA, SUITE 609  
CAMPBELL, CA 95008  
888-536-7367 P 888-587-1858 F

**CIVIL** 7655 MISSION STREET  
VENTURA, CA 93021  
805-847-5200 P 805-853-4514 F

**MECHANICAL** 401 GROUP MECHANICAL ENGINEERS, INC.  
401 GROUP PROJECT CENTER  
VENTURA, CA 93021  
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**ELECTRICAL** 1281 CORTE VALLEJO #505  
CAMPBELL, CA 95012  
925-888-8888 P

**PLUMBING** 401 GROUP MECHANICAL ENGINEERS, INC.  
401 GROUP PROJECT CENTER  
VENTURA, CA 93021  
805-847-5200 P 805-853-4514 F

**NEW PORTABLE CLASSROOM BUILDING**

777 Allen Street  
Camarillo, CA 93010

**CAPE COMETS**

**KEY PLAN** PLAN NORTH TRUE NORTH

Engineer

Architect

CLIENT  
CAPE CHARTER SCHOOL  
PROJECT NUMBER  
19172

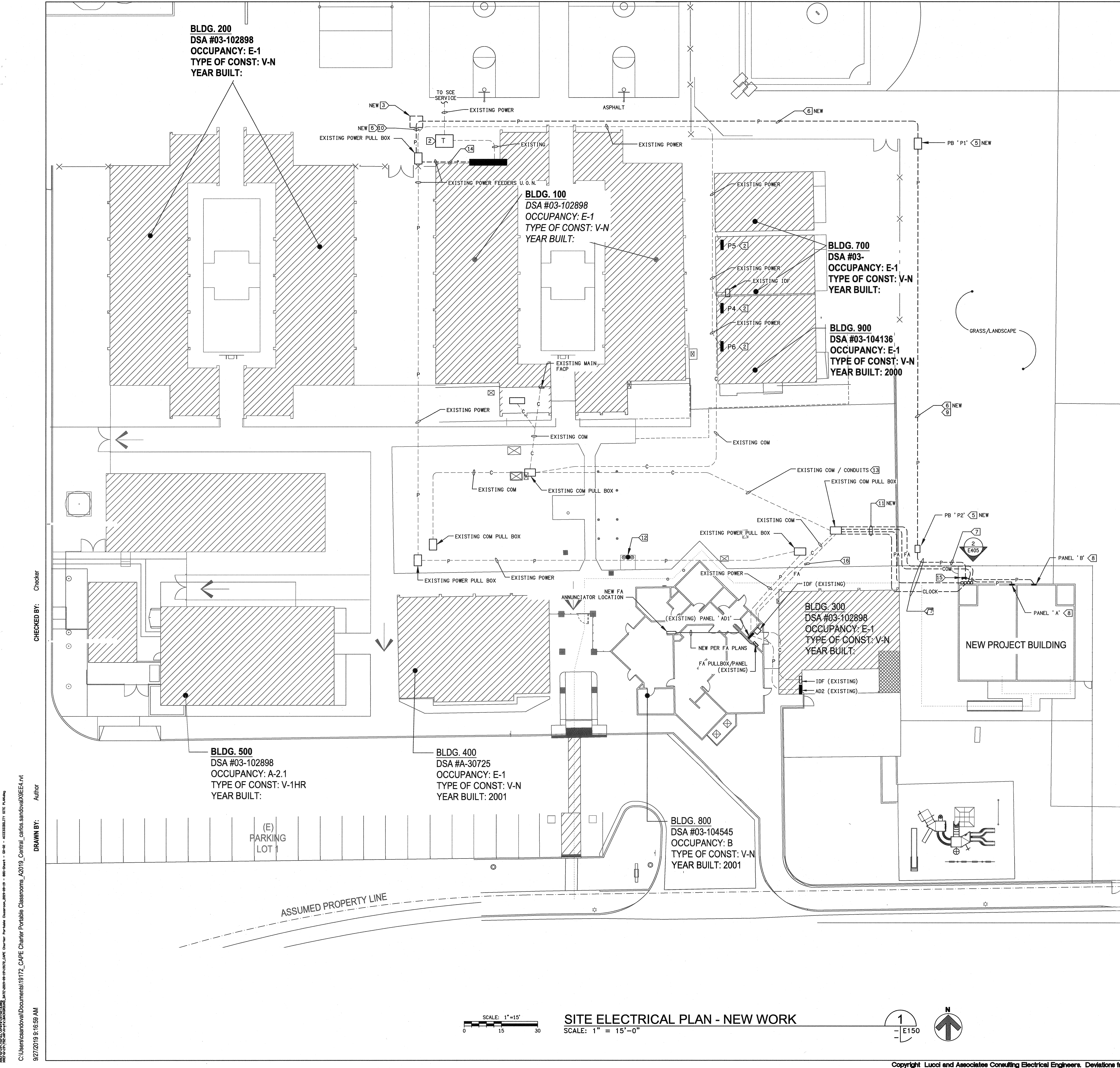
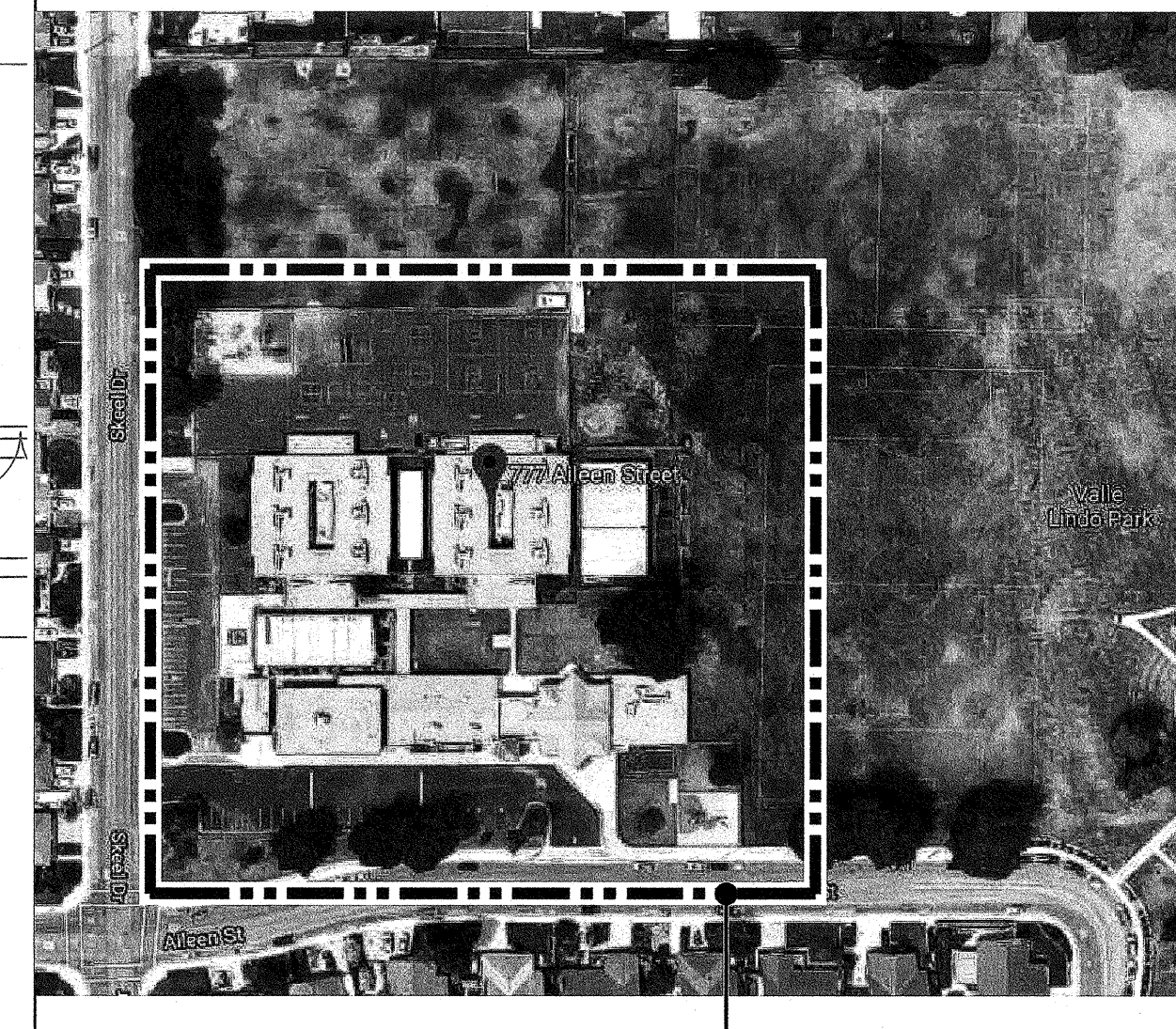
DATE  
09-20-2019

REVISIONS

No.	Description	Date

**SITE ELECTRICAL PLAN - NEW WORK**

**E150**



SCALE: 1" = 15'-0"

**SITE ELECTRICAL PLAN - NEW WORK**

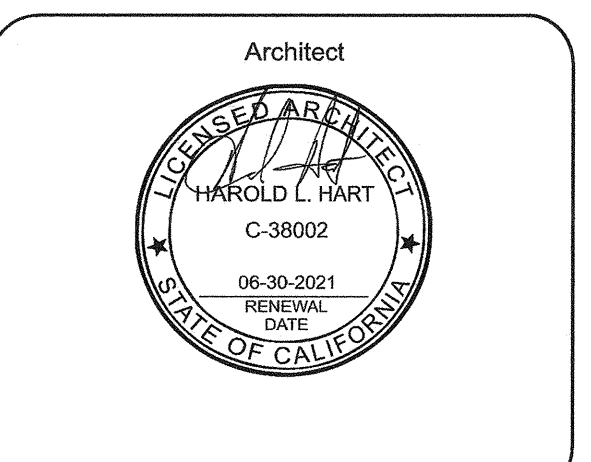
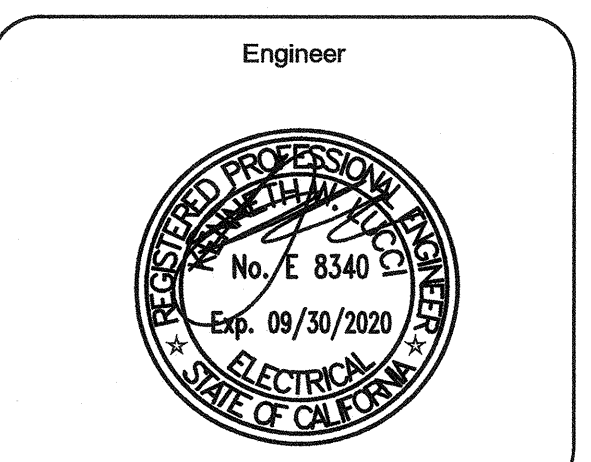
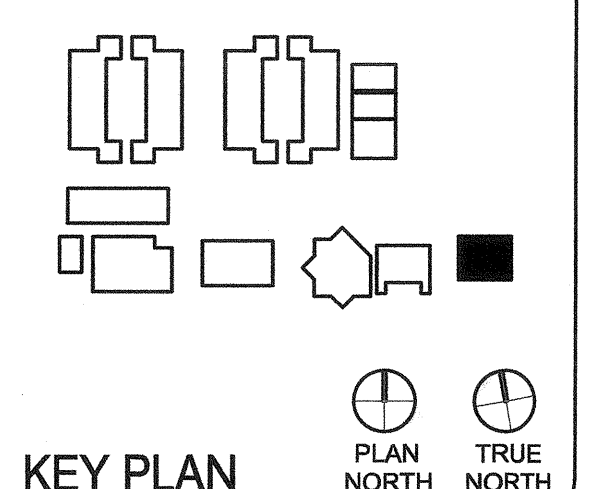
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AUTHOR: Carlos Sanjose  
DRAWN BY: Author  
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ARCHITECT	PBK Architects, Inc.
VENTURA	PBK.com
2751 Parkview Ct, Suite 251	
Osland, CA 93036	
805-947-3000 P	
805-853-4514 F	
LAND SURVIVOR	621 VIA ALONDA, SUITE 600 CAMPBELL, CA 95008 855-82-3900 P, 855-82-1950 F
CIVIL	11655 MARSH STREET VENTURA, CA 93001 855-82-1950 F
MECHANICAL	401 GROUP MECHANICAL ENGINEERS, INC. VENTURA, CA 93001 855-82-1950 F
ELECTRICAL	LUCCI & ASSOCIATES 3201 CORTE WALNUT #501 CAMPBELL, CA 95012 925-389-8555 P
PLUMBING	401 GROUP MECHANICAL ENGINEERS, INC. VENTURA, CA 93001 855-82-1950 F

NEW PORTABLE CLASSROOM BUILDING



CLIENT	CAPE CHARTER SCHOOL	
PROJECT NUMBER	19172	
DATE	09-20-2019	
REVISIONS		
No.	Description	Date

ELECTRICAL  
SINGLE LINE AND  
PANEL SCHEDULE

E200

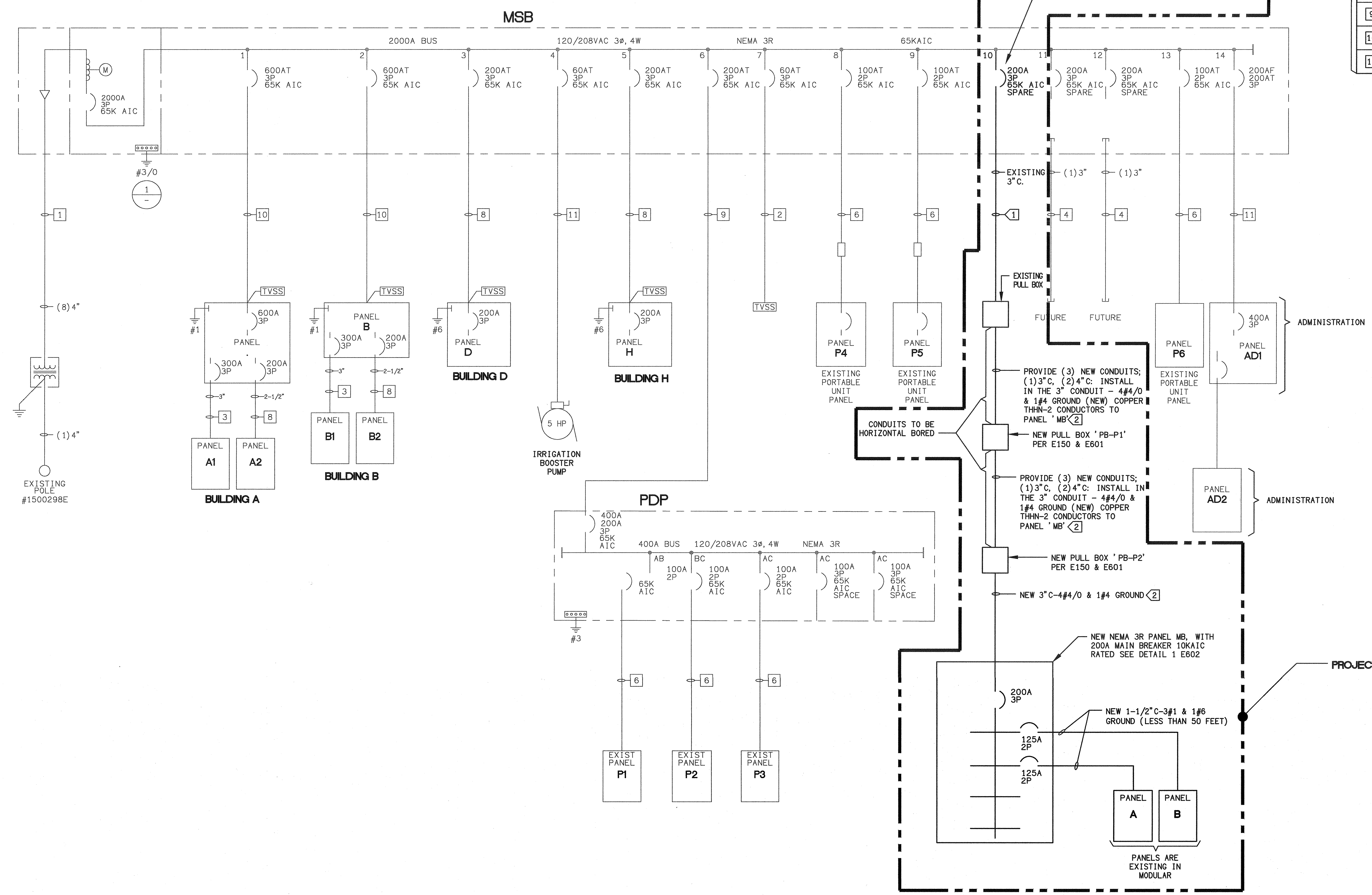
### LOAD CALCULATIONS MAIN SWITCHBOARD MSB RATED 2000A

	LOAD
PANEL A -	- KVA
PANEL B -	- KVA
PANEL D -	- KVA
PANEL H -	- KVA
PANEL PDP -	- KVA
PANEL P4 -	- KVA
PANEL P5 -	- KVA
IRRIGATION BOOSTER PUMP -	- KVA
PANEL AD -	- KVA
<b>TOTAL SWITCHBOARD DEMAND LOAD -</b>	<b>280 KVA</b>
280 KVA X 125% + 30 KVA	
380 KVA @ 208 VAC 3φ -	1056 AMPS

THE ELECTRICAL SERVICE HAS BEEN INVESTIGATED AND FOUND TO BE OF ADEQUATE CAPACITY FOR THE PROPOSED LOAD ADDITION AS NOTED ON THESE PLANS

### FEEDER SCHEDULE - EXISTING

TAG	CONDUIT/CONDUCTOR
1	(8) 4" C PER SCE REQUIREMENTS
2	1" C - 3#6 & 1#10 GND
3	3" C - 4#350MCM & 1#4 GND
4	3" C - STUB FOR FUTURE BLDG.
5	4" C - 4#600MCM & 1#4 GND & 1#4 ISO GND
6	1-1/2" C - 3#2 & 1#8 GND
7	1-1/2" C - 4#2 & 1#8 GND & 1#8 ISO GND
8	2-1/2" C - 4#3/0 & 1#6 GND & 1#6 ISO GND
9	4" C - 4#3/0 & 1#6 GND
10	(2) 4" C - 4#350MCM & 1#1 GND & 1#1 ISO GND
11	(2) 2" C - 4#3/0 & 1#2 GND



ELECTRICAL SINGLE LINE  
SCALE: NONE

KEY NOTES:  
 1 ADD NEW FEEDER 4#4/0 & 1#4 GROUND INTO EXISTING SPARE 3" CONDUIT.  
 2 SEE DETAIL 4 E601 FOR DUCTBANK DETAIL.

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 DRAWN BY: Author  
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IDENTIFICATION STAMP  
DIV. OF THE STATE ARCHITECT  
APPROX 120280  
AC W FL5 SPHSS PC  
DATE OCT 02 2019



ARCHITECT	PBK Architects, Inc. VENTURA 2751 Parkview Ct, Suite 251 Camarillo, CA 93608 805-847-3200 P 805-853-4514 F
LAND SURVEYOR	DRG. INC. 621 VIA ALONDA, SUITE 600 CARMELITO, CA 95021 831-487-3845 P, 831-487-1955 F
CIVIL	LEWIS ENGINEERING 7165 HILLS STREET VENTURA, CA 93021 805-847-3200 P, 805-847-3200 F
MECHANICAL	AE GROUP MECHANICAL ENGINEERS, INC. 438 EAST FRONT STREET VENTURA, CA 93021 805-847-3200 P, 805-847-3200 F
ELECTRICAL	LUCCI & ASSOCIATES 3291 CORTE MALPASO #551 CARMELITO, CA 95021 831-487-3200 P
PLUMBING	AE GROUP MECHANICAL ENGINEERS, INC. 438 EAST FRONT STREET VENTURA, CA 93021 805-847-3200 P, 805-847-3200 F

**NEW PORTABLE CLASSROOM BUILDING**

777 Allen Street  
Camarillo, CA 93010

**KEY PLAN**

PLAN NORTH  
TRUE NORTH

Engineer

Architect

CLIENT  
CAPE CHARTER SCHOOL  
19172

PROJECT NUMBER  
19172

DATE  
09-20-2019

REVISIONS

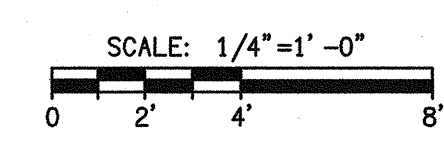
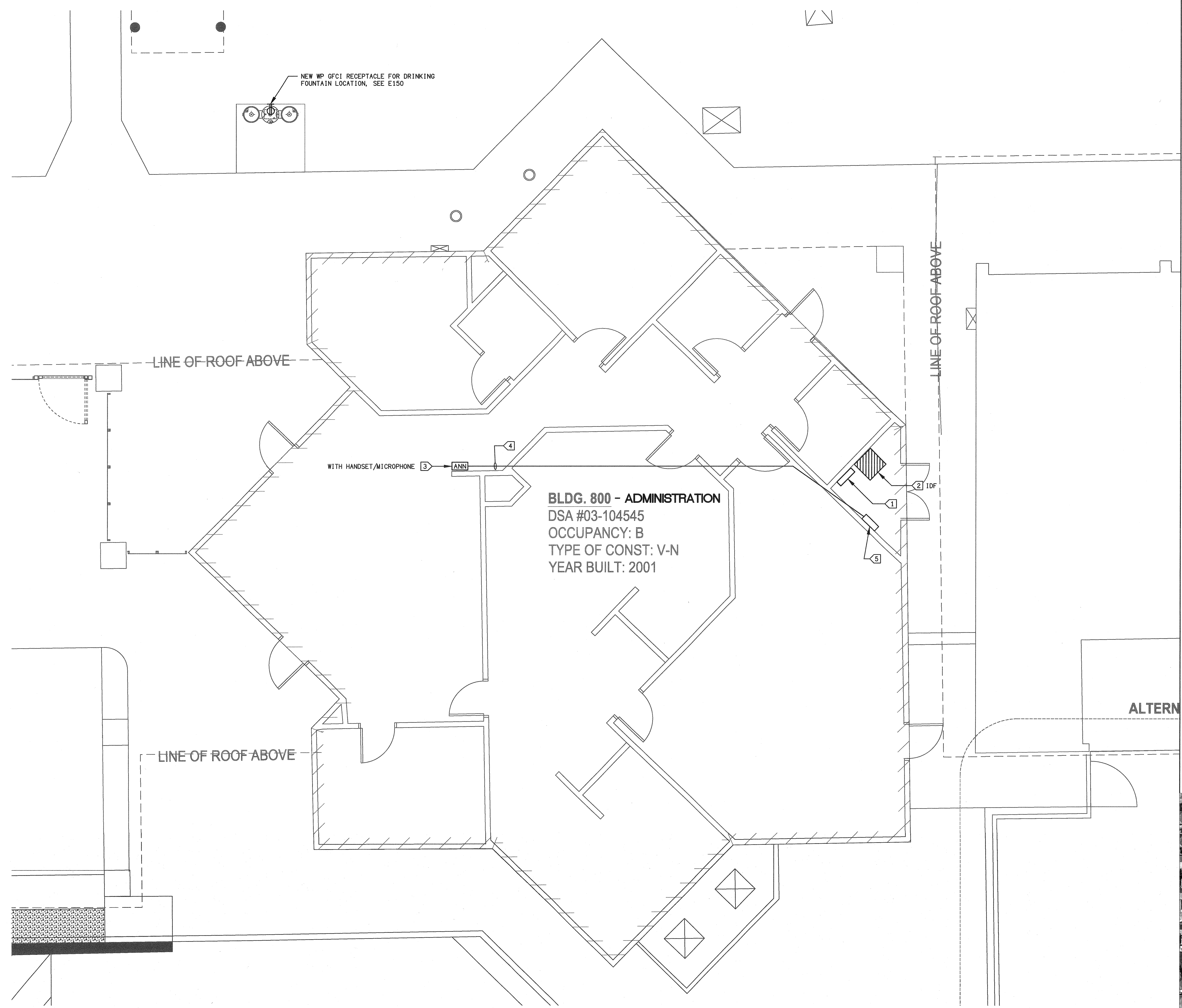
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**BUILDING 800 FLOOR PLAN - FIRE ALARM**

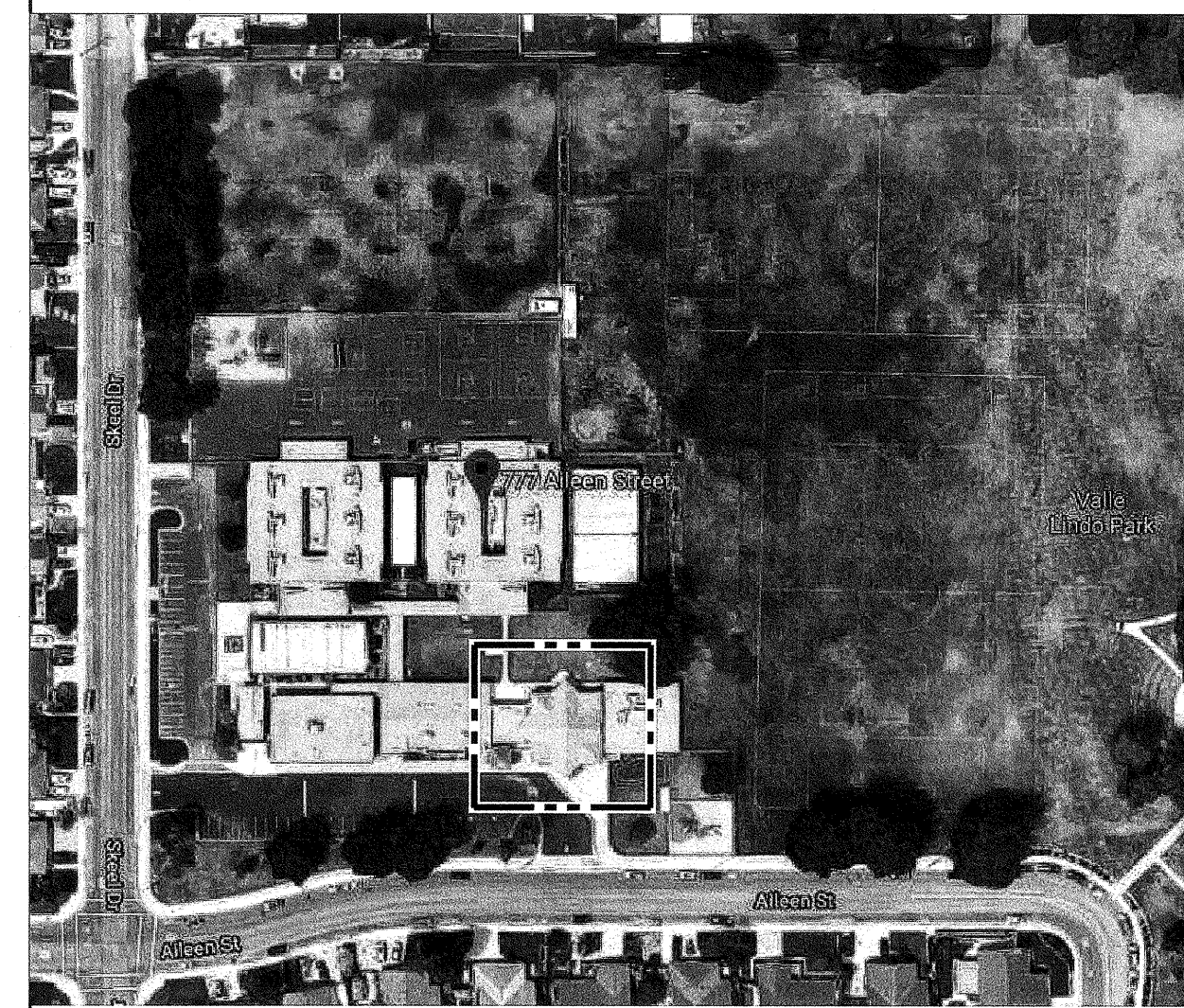
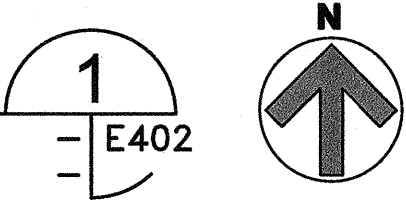
**E402**

- SHEET NOTES:**
- VERIFY LOCATION OF ALL DEVICES ON ARCHITECTURAL PLANS.
  - 3/4" CONDUIT MINIMUM UNLESS OTHERWISE NOTED.
  - CONTRACTOR SHALL FURNISH AND INSTALL PULL BOXES AS REQUIRED TO INSTALL COMMUNICATION CABLING PER CABLE MANUFACTURERS RECOMMENDATIONS.
  - MAXIMUM 180 DEGREE OF BEND BETWEEN PULL POINTS.
  - RUN COMMUNICATION CABLING IN CABLE TRAY TO MAXIMUM EXTENT POSSIBLE. WHERE CABLING IS NOT IN CABLE TRAY, CABLE SHALL BE IN CONDUIT.
  - UNIQUELY LABEL BOTH ENDS OF ALL CABLING.

- SHEET NOTES:**
- EXISTING PANEL 'AD1', SEE E200.
  - EXISTING DATA IDF CABINET.
  - FIRE ALARM ANNUNCIATOR PANEL TO BE REPLACED WITH NEW. VERIFY EXACT LOCATION WITH FIRE MARSHALL AND CONSTRUCTION MANAGER, SEE FIRE ALARM RISER DIAGRAM.
  - PROVIDE NEW 3/4"C & CABLE PER FA RISER TO NEW FA ANNUNCIATOR LOCATION.
  - FIRE ALARM PULLBOX / PANEL (EXISTING).



**BUILDING 800 ADMINISTRATION FLOOR PLAN - FIRE ALARM**  
SCALE: 1/4"=1'-0"



**KEY MAP**

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CHECKED BY: Author  
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# FIRE ALARM EQUIPMENT LIST

SYMBOL	MODEL NO.	DESCRIPTION	MANUFACTURER	CSFM. NO.	MOUNTING	BACKBOX
1	E3	FIRE ALARM CONTROL PANEL	FCI GAMEWELL	7165-1703: 0125	WALL	
3	E3-LOC	FIRE ALARM ANNUNCIATOR PANEL	FCI	7165-1703: 0125	WALL 60" □	E3BB-AA
	MS-7S	ADDRESSABLE PULL STATION SINGLE ACTION	FCI	7150-1703: 0109	WALL	4" S x 1-1/2" D BOX
	ASD-PL3	PHOTOELECTRIC SMOKE DETECTOR WITH BASE	FCI GAMEWELL	7272-1703: 0501	CEILING/WALL	4" S x 1-1/2" D BOX W/ADB-FL BASE
	ATD-L3H	FIXED 190° HEAT DETECTOR HIGH TEMP	FCI GAMEWELL	7270-1703: 0502	CEILING/WALL	4" S x 1-1/2" D BOX W/ADB-FL BASE
	SPSPWL-P	MULTI-OMD. CEILING SPEAKER/STROBE 75cd	FCI GAMEWELL	7320-1653: 0505	WALL @ +90° AFF TO +96" AFF	4" S x 1-1/2" D BOX W/ADB-FL BASE
	SPSWL	WALL STROBE 15cd	FCI GAMEWELL	7320-1653: 0505	WALL @ +90° AFF TO +96" AFF	4" S x 1-1/2" D BOX W/ADB-FL BASE
	SPSWK	OUTDOOR SPEAKER / STROBE 2W, 30cd	FCI GAMEWELL	7300-1653: 0201	WALL @ +90° AFF	WEATHERPROOF ENCLOSURE MMB BW
3-2-1	INX	INTELLIGENT NETWORK TRANSPONDER	FCI GAMEWELL	7165-1703: 0125	WALL @ +72" AFF	BACKBOX INX-CABR
1	AMP	AM-50 AUDIO AMP, 50W	FCI GAMEWELL	7165-1703: 0125	IN INX	BACKBOX INX-CABR
3-2-1	INI	COMMAND CENTER VOICE GATEWAY VOICE PAGING MICROPHONE	FCI GAMEWELL	7165-1703: 0125	IN INX	BACKBOX INX-CABR

### KEY NOTES:

- PROVIDE WITH E3 AT MODULAR.
- PROVIDE AT ADMINISTRATION BUILDING ANNUNCIATOR.
- PROVIDE IN MODULAR WITH E3 AND AT ADMINISTRATION BUILDING.

# SEQUENCE OF OPERATION

DEVICE	MANUAL PULL STATION	INDICATING CIRCUIT FAILURE	INITIATING CIRCUIT FAILURE	AC / BATTERY FAILURE	F.A. SYSTEM LOW BATTERY	SMOKE DETECTORS	HEAT DETECTORS	ISOLATOR LINE TROUBLE	EARTH GROUND FAULT	NOTIFICATION APPLIANCE CIRCUIT OPEN	SIGNAL LINE SHORT
THROUGHOUT BUILDING SOUND GENERAL ALARM											
SOUND TROUBLE BUZZER											
ACTIVATE ADDRESSABLE MODULE FOR MONITORING											
ANNUNCIATE AT PANEL											
TRANSMIT TRIGGER SIGNAL FOR PULL STATION COMPONENTS TO SUPERVISING STATION											
TRANSMIT ALARM SIGNAL TO SUPERVISING STATION											
ACTIVE REMOTE POWER SUPPLY PANEL (FCPS)											
ACTIVATE SPEAKERS & VISUAL ALARMS FROM F.A. SYSTEM											

# PROJECT NOTES

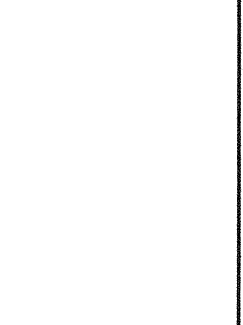
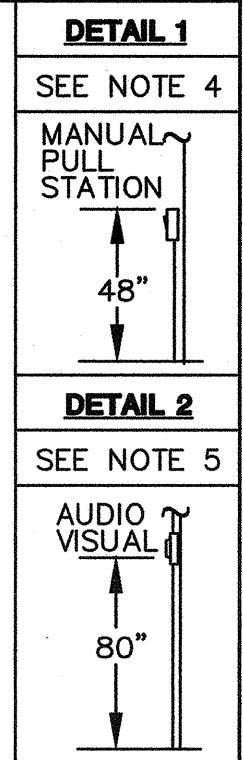
- GENERAL NOTES:**
- ALL WIRE SHALL BE IN CONDUIT PER CFC 907.
  - MANUAL PULL STATIONS TO BE MOUNTED AT 48 IN. ABOVE FLOOR SURFACE TO THE TOP OF THE STATION. (DETAIL 1)
  - MOUNT AUDIO VISUAL 80 IN. ABOVE FINISHED FLOOR TO THE BOTTOM OF THE STROBE OR 6" FROM BELOW CEILING WHICH EVER IS LOWEST. (DETAIL 2)
  - ALL WIRING TO BE AS CALLED FOR IN N.E.C. ARTICLE 760 & CFC 907.
  - IDENTIFY THE FIRE ALARM CIRCUIT AT THE ELECTRICAL PANEL IN RED, PROVIDE A BREAKER LOOKOUT DEVICE.
  - DEVICE TYPES AND LOCATIONS ARE SHOWN AS CALLED FOR ON THE BID DOCUMENTS.
  - ALL FIRE ALARM CONDUITS ABOVE GRADE SHALL BE RED.

### APPLICABLE CODES

- 2016 CALIFORNIA BUILDING STANDARDS ADMINISTRATIVE CODE, PART 1, TITLE 24, CCR.  
 2016 CALIFORNIA BUILDING CODE, PART 2, TITLE 24 C.C.R.  
 2016 CALIFORNIA ELECTRICAL CODE - PART 3, TITLE 24 C.C.R.;  
 2016 CALIFORNIA MECHANICAL CODE - PART 4, TITLE 24 C.C.R.;  
 2016 CALIFORNIA PLUMBING CODE - PART 5, TITLE 24 C.C.R.;  
 2016 CALIFORNIA ENERGY CODE (CEC) - PART 6, TITLE 24 C.C.R.;  
 2016 CALIFORNIA FIRE CODE - PART 9, TITLE 24 C.C.R.;  
 2016 CALIFORNIA REFERENCE STANDARDS CODE - PART 12, TITLE 24 C.C.R.  
 1990 TITLE 19, C.C.R. PUBLIC SAFETY. STATE FIRE MARSHAL REGULATIONS.

### PARTIAL LIST OF APPLICABLE NATIONAL FIRE PROTECTION ASSOCIATION (NFPA) STANDARDS

- NFPA 13 (CALIFORNIA AMENDED) - AUTOMATIC SPRINKLER SYSTEMS, 2016 EDITION  
 NFPA 14 (CALIFORNIA AMENDED) - STANDPIPES SYSTEMS, 2016 EDITION  
 NFPA 17 - DRY CHEMICAL EXTINGUISHING SYSTEMS, 2017 EDITION  
 NFPA 17A - WET CHEMICAL SYSTEMS, 2017 EDITION  
 NFPA 20 - STATIONARY PUMPS, 2016 EDITION  
 NFPA 24 (CALIFORNIA AMENDED) - PRIVATE FIRE MAINS, 2016 EDITION  
 NFPA 72 (CALIFORNIA AMENDED) - NATIONAL FIRE ALARM CODES, 2016 EDITION  
 NFPA 253 - CRITICAL RADIANT FLUX OF FLOOR COVERING SYSTEMS, 2006 EDITION  
 NFPA 2001 - CLEAN AGENT FIRE EXTINGUISHING SYSTEMS, 2008 EDITION  
 REFERENCE CODE SECTION FOR NFPA STANDARD - C. B. C (SFM) CHAPTER 35

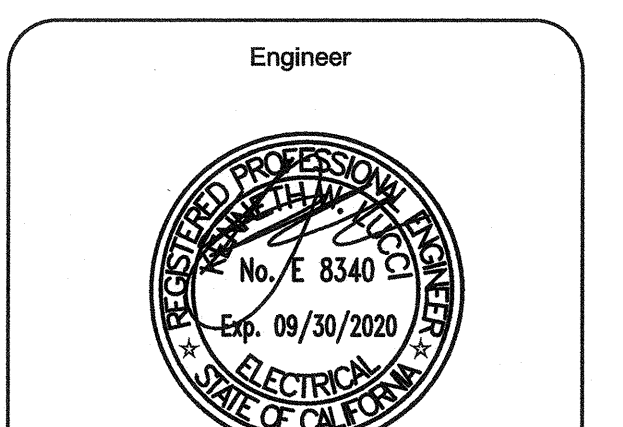
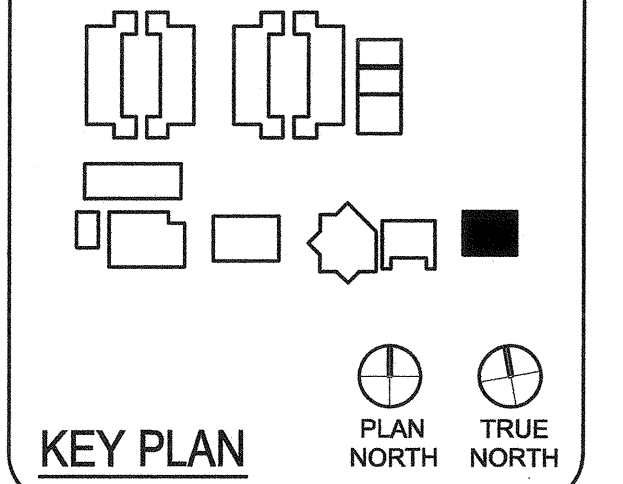


ARCHITECT PRK Architects, Inc.  
 VENTURA PRK.com  
 2751 Parfetevan Ct, Suite 251  
 Concord, CA 95033  
 905-947-3200 P  
 905-853-4514 F

LAND SURVEYOR	DWG. NO.
021 VIA ALDENIA, SUITE 09 CANAVILLE, CA 95013 925.862.3575 P, 925.927.5655 F	
CIVIL	DWG. NO.
1916 W. BARRISTER VENTURA, CA 95011 925.858.589 P, 925.858.789 F	
MECHANICAL	DWG. NO.
AS GROUP MECHANICAL ENGINEERS, INC. 1501 EAST FERRY STREET VENTURA, CA 95011 925.858.0750 P, 925.858.0700 F	
ELECTRICAL	DWG. NO.
1201 COCKE HALL PARKWAY CANAVILLE, CA 95013 925.862.3575 P, 925.927.5655 F	
PLUMBING	DWG. NO.
AS GROUP MECHANICAL ENGINEERS, INC. 1501 EAST FERRY STREET VENTURA, CA 95011 925.858.0750 P, 925.858.0700 F	

NEW PORTABLE CLASSROOM BUILDING

777 Allen Street  
Camarillo, CA 93010



# WIRE LEGEND

TYPE	CONDUCTORS	SIZE	OUTDOOR	INDOOR	TYPE CABLE	CIRCUIT DESCRIPTION	WIRE COLOR SCHEME	LISTING (CLASS B)
A	2	#16AWG	WEST PENN AQ225	WEST PENN D990	FPL	ADDRESSABLE DEVICE CIRCUIT	RED (+), BLACK (-)	UL AQ225 1424
C	2	#16AWG	WEST PENN AQ294	WEST PENN D991	THHN	SPEAKER CIRCUIT	RED (+), BLACK (-)	UL 83
N	4	#18AWG	WEST PENN AQ224	WEST PENN D980	THHN	NETWORK (RS484) CIRCUIT	RED (+), BLACK (-)	UL 83
D	2	#12AWG			THHN	STROBE CIRCUIT	YELLOW (+), BLUE (-)	UL 83

### SCOPE OF WORK

PROVIDE A NEW STAND ALONE VOICE EVACUATION ADDRESSABLE FIRE ALARM SYSTEM FOR THE BUILDING, AUTOMATIC TYPE COMPLETE BUILDING TYPE. PROVIDE NEW ANNUNCIATOR PANEL WITH HANDET (VOICE) IN ADMINISTRATION BUILDING.

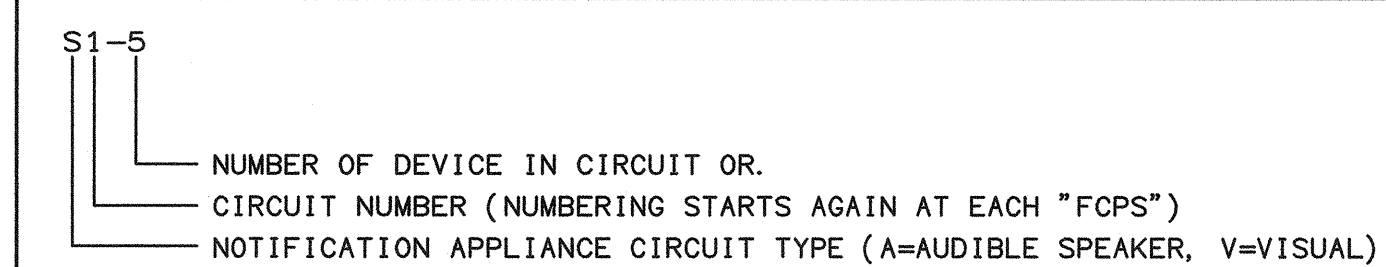
### FIRE ALARM ZONE SCHEDULE

THE NEW FIRE ALARM SYSTEM IS A E3 FCI ADDRESSABLE TYPE. EACH INITIATING DEVICE IS ANNUNCIATED AS A UNIQUE ADDRESS OR ZONE AT THE PANEL AND ANNUNCIATOR.

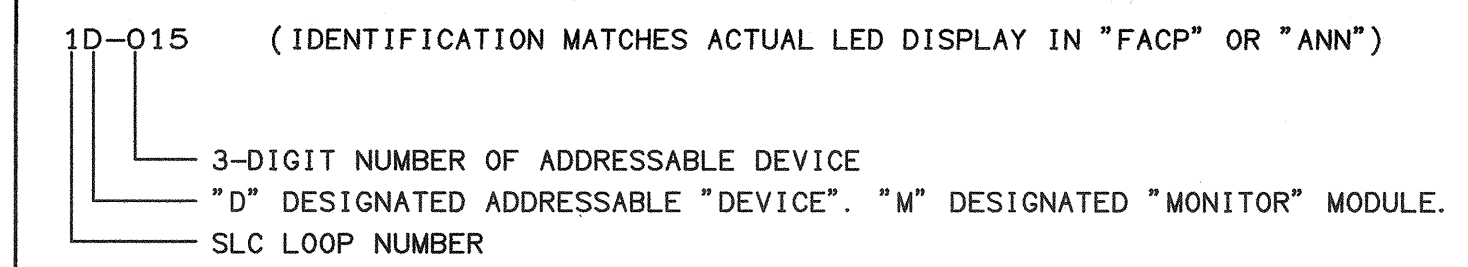
### F.A. RACEWAY SIZING

MINIMUM CONDUIT SIZE SHALL BE 3/4" DIAMETER AND SHALL NOT EXCEED 40% FILL. 1" MINIMUM UNDERGROUND (ALL UNDERGROUND CABLE TO BE A0 TYPE WITH AQUEAL).

### FIRE ALARM N.A.C. DEVICE NUMBERING KEY



### FIRE ALARM ADDRESSABLE DEVICE IDENTIFICATION KEY



### REQUIRED NOTES

THE FIRE ALARM SYSTEM SHALL CONFORM TO ARTICLE 760 OF THE CALIFORNIA ELECTRIC CODE.  
 INSTALLATION OF THE FIRE ALARM SYSTEM SHALL NOT BE STARTED UNTIL DETAILED PLANS AND SPECIFICATIONS, INCLUDING CALIFORNIA STATE FIRE MARSHAL LISTING NUMBERS FOR EACH COMPONENT OF THE SYSTEM HAVE BEEN APPROVED BY THE CALIFORNIA DEPT. OF THE STATE ARCHITECT'S FIRE MARSHAL.

UPON COMPLETION OF THE INSTALLATION OF THE FIRE ALARM SYSTEM A SATISFACTORY TEST OF THE SYSTEM SHALL BE MADE IN THE PRESENCE OF THE FIRE MARSHAL, OWNER AND ENGINEER OF RECORD.  
 A MINIMUM OF 48 HOURS NOTICE SHALL BE REQUIRED FOR ANY INSPECTION AND/OR TESTING.  
 ALL DEVICES OF THE FIRE ALARM SYSTEM SHALL BE APPROVED AND LISTED BY THE CALIFORNIA STATE FIRE MARSHAL.

A STAMPED SET OF APPROVED FIRE ALARM PLANS SHALL BE ON THE JOB SITE AND USED FOR INSTALLATION. ANY DEVIATION FROM APPROVED PLANS, INCLUDING THE SUBSTITUTION OF DEVICES SHALL BE APPROVED BY THE FIRE MARSHAL.  
 ANY DISCREPANCIES BETWEEN THE DRAWINGS AND THE CODE, OR RECOGNIZED STANDARDS SHALL BE BROUGHT TO THE ATTENTION OF THE INSPECTOR OF RECORD.

A CERTIFICATE OF COMPLIANCE SHALL BE PREPARED BY THE INSTALLER AND GIVEN TO THE FIRE MARSHAL UPON COMPLETION OF THE INSTALLATION.  
 COMPLETE THE NFPA 72 RECORD OF COMPLETION, TESTING ALL DEVICES AND APPLIANCES. PROVIDE A COPY OF THE COMPLETED RECORD OF COMPLETION TO THE OWNER (SCHOOL DISTRICT), ARCHITECT, LOCAL FIRE AUTHORITY AND DSA VIA THE PROJECT INSPECTOR.

### VOLTAGE DROP CALCULATIONS

CALCULATION:  $L \times I \times 2 \times 21.6 = \text{VOLTS DROPPED}$

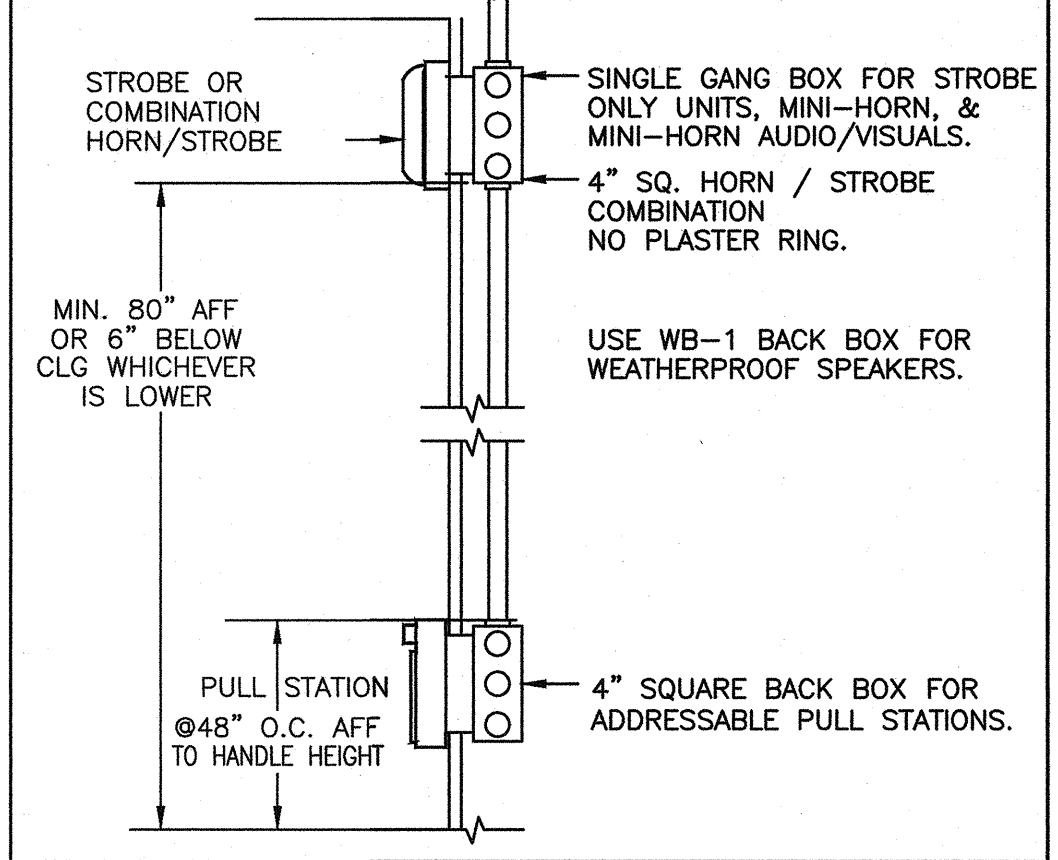
$L = \text{TOTAL CIRCUIT CURRENT}$   
 $I = \text{APPLIED VOLTAGE (24 VOLTS)} \times 100(\text{PERCENT}) = \text{PERCENT OF VOLTAGE DROP}$   
 $21.6 = \text{ONE WAY DISTANCE IN FEET MEASURED FROM SOURCE TO THE LAST DEVICE}$   
 $C.M. = \text{CROSS SECTIONAL AREA OF CONDUCTOR IN CIRCULAR MILS. SEE CHART BELOW}$

WIRE SIZE	WIRE RESISTANCE	OH. MILS
AWG 12	1.59 PER 1000'	8530
AWG 14	2.52 PER 1000'	4110
AWG 16	4.02 PER 1000'	2580
AWG 18	6.39 PER 1000'	1620

TYPE A) 15CD STROBE 0.066      TYPE B) 30CD STROBE 0.094      TYPE C) 75CD STROBE 0.158

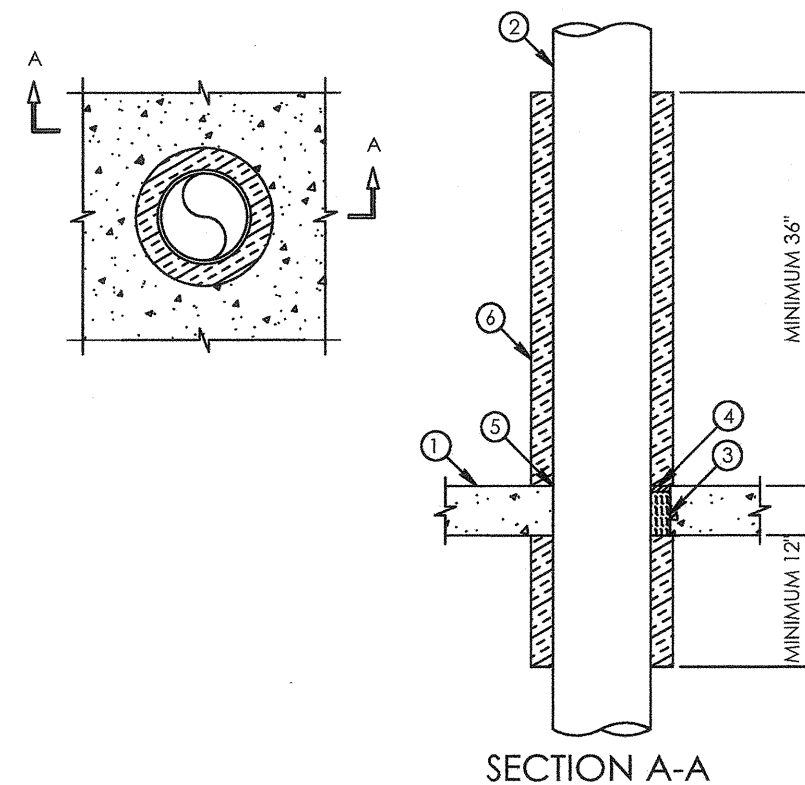
PANEL APPLIANCE NUMBER = TOTAL DISTANCE X 21.6 = CIRCULAR VOLTS APPLIED 100 = % OF  
 CIRCUIT OF DEVICES CURRENT X IN FEET MLS = DROPPED VOLTS PERCENT = VOLTAGE DROP  
 E3 NAC-1 TYPE C 4 x .107 .428 x 120' x 21.6 + 4110 = .269 + 24 x 100 = 1.12%

### MOUNTING HEIGHT DETAIL



### UL/cUL SYSTEM NO. C-AJ-1597

METAL PIPE THROUGH CONCRETE FLOOR/WALL OR CONCRETE BLOCK WALL  
 F-RATING = 3-HR.  
 T-RATING = 2-HR. OR 2 3/4-HR. (SEE NOTES BELOW)  
 L-RATING AT AMBIENT = LESS THAN 1 CFM / SQ FT  
 L-RATING AT 400°F = LESS THAN 1 CFM / SQ FT



- CONCRETE FLOOR OR WALL ASSEMBLY (2-HR. FIRE-RATING);
- LIGHTWEIGHT OR NORMAL WEIGHT CONCRETE FLOOR OR WALL (MINIMUM 4" Z' THICK);
- ANY UL/CUL CLASSIFIED PRECAST (HOLLOW-CORE) CONCRETE FLOOR (MINIMUM 4" THICK);
- ANY UL/CUL CLASSIFIED CONCRETE BLOCK WALL;
- CONCRETE FLOOR OR WALL ASSEMBLY (2-HR. FIRE-RATING);
- MINIMUM 1/2" DEPTH HELIX-ONE MAX OR FS-ONE INTUMESCENT FIRESTOP SEALANT. HELIX CFS-5 SL GGG FIRESTOP SILICONE SEALANT. HELIX OF 404 SELF-LEVELING FIRESTOP SEALANT OR HELIX CFS-5 SL GGG FIRESTOP SILICONE SEALANT.

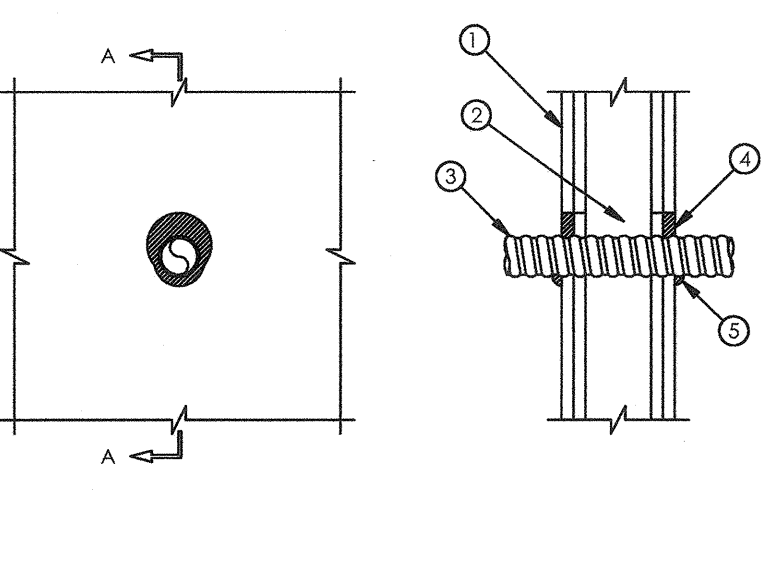
- MAXIMUM 7" NOMINAL DIAMETER FLEXIBLE ALUMINUM OR STEEL CONDUIT;
- MAXIMUM 7" NOMINAL DIAMETER FLEXIBLE STEEL GAS PIPING MANUFACTURED BY OMEGA FLEX INC.
- MAXIMUM 1" NOMINAL DIAMETER FLEXIBLE STEEL GAS PIPING MANUFACTURED BY GASTITE, DIVISION OF TRITECH OR WARD WEG. LLC.
- MINIMUM 5/8" DEPTH HELIX-ONE INTUMESCENT FIRESTOP SEALANT.
- MINIMUM 1/2" BEAD HELIX-ONE INTUMESCENT FIRESTOP SEALANT APPLIED AT POINT OF CONTACT.
- MINIMUM 1/2" DEPTH OR 2" THICK DUCT WRAP (FIBERGLASS DUCT OR FIBERGLASS DUCT 1.5 INSULATION MANUFACTURED BY UNIFRAX, OR FIBERMASTER FASTWRAP XL MANUFACTURED BY THERMAL CERAMICS) WRAPPED AROUND PERMANENT, EXTENDING MINIMUM 36" ABOVE FLOOR AND MINIMUM 12" BELOW FLOOR OR MINIMUM 36" BEYOND BOTH SIDES OF WALL ASSEMBLY. THE ENDS ARE TO BE TIGHTLY BUTTED TOGETHER AND TAPPED ON TOP SIDE OF FLOOR AND BOTH SIDES OF WALL. THE EXPOSED EDGES OF THE FACED BLANKETS ARE TO BE TAPPED WITH 4" WIDE PRESSURE-SENSITIVE ALUMINUM FOIL TAPE. ON THE BOTTOM SURFACE OF THE FLOOR ENDS ARE TO BE TIGHTLY BUTTED AND WIRE BOUND.

- NOTES: 1. MAXIMUM DIAMETER OF OPENING = 1/10TH NORMAL CONCRETE, 2" FOR PRECAST (HOLLOW-CORE) CONCRETE.  
 2. ANNULAR SPACE = MINIMUM 1/2" MAXIMUM 2".  
 3. HELIX-ONE MAX OR FS-ONE INTUMESCENT FIRESTOP SEALANT IS REQUIRED ON BOTH SIDES OF A WALL.  
 4. MINERAL WOOL REQUIRED TO BE INSTALLED FLUSH WITH BOTTOM FLOOR SURFACE WHEN INSTALLED IN PRECAST (HOLLOW-CORE) CONCRETE.  
 5. T-RATING EQUALS 2-HR. WHEN 1/2" THICK DUCT INSULATION IS USED.

### (CONDUIT) FLOOR PENETRATION DETAIL

### UL/cUL SYSTEM NO. W-L-1243

FLEXIBLE ALUMINUM CONDUIT THROUGH GYPSUM WALL ASSEMBLY  
 F-RATING = 1-HR. OR 2-HR.  
 T-RATING = 0-HR.  
 L-RATING AT AMBIENT = 5 CFM/SQ. FT.  
 L-RATING AT 400°F = 1 CFM/SQ. FT.



- GYPSUM WALL ASSEMBLY (UL/CUL CLASSIFIED U300 OR U400 SERIES) (1-HR. OR 2-HR. FIRE-RATING) (2-HR. SHOWN);
- [NOT SHOWN] WOOD STUDS TO CONSIST OF NOMINAL 2" x 4" LUMBER. STEEL STUDS TO BE MINIMUM 2-1/2" WIDE.
- PENETRATING ITEM TO BE ONE OF THE FOLLOWING:

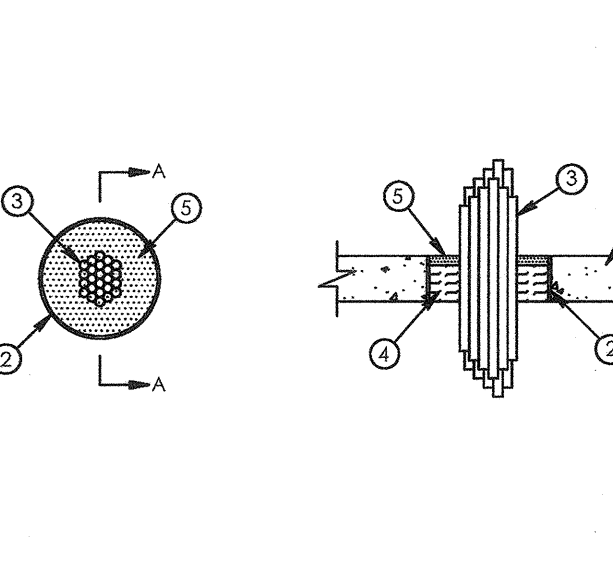
- MAXIMUM 7" NOMINAL DIAMETER FLEXIBLE ALUMINUM OR STEEL CONDUIT;
- MAXIMUM 7" NOMINAL DIAMETER FLEXIBLE STEEL GAS PIPING MANUFACTURED BY OMEGA FLEX INC.
- MAXIMUM 1" NOMINAL DIAMETER FLEXIBLE STEEL GAS PIPING MANUFACTURED BY GASTITE, DIVISION OF TRITECH OR WARD WEG. LLC.
- MINIMUM 5/8" DEPTH HELIX-ONE INTUMESCENT FIRESTOP SEALANT.
- MINIMUM 1/2" BEAD HELIX-ONE INTUMESCENT FIRESTOP SEALANT APPLIED AT POINT OF CONTACT.
- MAXIMUM 4" NOMINAL DIAMETER AT.

- NOTES: 1. MAXIMUM DIAMETER OF OPENING = 3/12".  
 2. ANNULAR SPACE = MINIMUM 1/2". MAXIMUM 1/2".

### (CONDUIT) WALL PENETRATION DETAIL

### SYSTEM NO. C-AJ-3095

ANSI/UL 1479 (ASTM E814)  
 F-RATING = 3-HR.  
 T-RATING = 0-HR.  
 L-RATING AT AMBIENT = 5 CFM/SQ. FT.  
 L-RATING AT 400°F = 1 CFM/SQ. FT.



- FLOOR OR WALL ASSEMBLY - MIN 2-1/2 IN. (64 MM) THICK REINFORCED LIGHTWEIGHT OR NORMAL WEIGHT (100-150 PCF OR 1600-2400 KG/MS) CONCRETE FLOOR OR MIN 3 IN. (76 MM) THICK REINFORCED LIGHTWEIGHT OR NORMAL WEIGHT CONCRETE WALL. WALL MAY ALSO BE CONSTRUCTED OF ANY UL CLASSIFIED CONCRETE BLOCKS. MAX DIA. OF OPENING 3.6 IN. (112 MM).
- SLEEVE - (OPTIONAL) NOM 4 IN. (102 MM) DIA. (OR SMALLER) SCHEDULE 40 (OR HEAVIER) TAPERED EDGES. THE GYPSUM BOARD TYPE, THICKNESS, NUMBER OF LAYERS, FASTENER TYPE AND SHEET ORIENTATION SHALL BE AS SPECIFIED IN THE INDIVIDUAL WALL AND PARTITION DESIGN IN THE UL FIRE RESISTANCE DIRECTORY. MAX DIA. OF OPENING IS 5-1/2 IN. (139 MM) WHEN SLEEVE ITEM 2 IS EMPLOYED. MAX DIA. OF OPENING IS 4 IN. (102 MM) WHEN SLEEVE ITEM 3 IS NOT EMPLOYED.

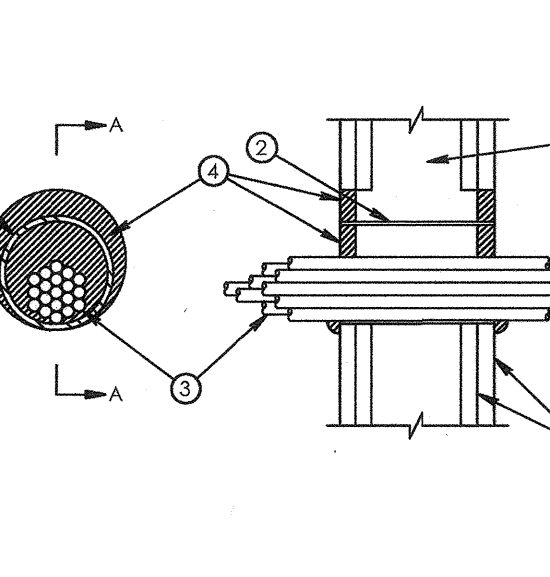
- AGGREGATE CROSS-SECTIONAL AREA OF CABLE IN OPENING TO BE MIN 25 PERCENT OF THE AGGREGATE CROSS-SECTIONAL AREA OF THE OPENING. CABLES TO BE PROBABLY SUPPORTED ON BOTH SIDES OF FLOOR OR WALL ASSEMBLY. ANY COMBINATION OF THE FOLLOWING TYPES AND SIZES OF METALLIC CONDUCTOR OR FIBER OPTIC CABLE MAY BE USED:
  - MAX 300 KCMIL SINGLE COPPER CONDUCTOR POWER CABLE WITH THERMOPLASTIC INSULATION AND POLYVINYL CHLORIDE (PVC) JACKET. WHEN SINGLE COPPER CONDUCTOR POWER CABLES IS USED, 1 FT. AND FHP RATING IS 0 HR.
  - MAX 350 KCMIL SINGLE CONDUCTOR POWER CABLES WITH EITHER ALUMINUM OR COPPER CONDUCTORS AND CROSS-LINKED POLYETHYLENE (XLPE) INSULATION. WHEN SINGLE ALUMINUM CONDUCTOR POWER CABLE IS USED, 1 FT. RATING IS 0 HR. WHEN SINGLE COPPER CONDUCTOR POWER CABLE IS USED, 1 FT. AND FHP RATING IS 1/2HR.
  - MAX 300 PAIR NO. 24 AWG COPPER CONDUCTOR TELECOMMUNICATION CABLE WITH POLYVINYL CHLORIDE (PVC) INSULATION AND JACKET MATERIAL. WHEN TELECOMMUNICATION CABLE IS USED, 1 FT. AND FHP RATING IS 0 HR.
  - MAX THREE COPPER CONDUCTOR NO. 6 AWG CABLE WITH POLYVINYL CHLORIDE (PVC) INSULATION AND JACKET MATERIAL. WHEN MULTICONDUCTOR POWER AND CONTROL CABLES WITH PVC OR CROSS-LINKED POLYETHYLENE (XLPE) INSULATION AND PVC JACKET. WHEN MULTICONDUCTOR POWER AND CONTROL CABLES WITH PVC AND HAVING MAX OUTSIDE DIAM OF 1/2 IN. WHEN FIBER OPTIC CABLE IS USED, 1 FT. AND FHP RATING IS 3/4HR.
  - MAX 7/C COPPER CONDUCTOR NO. 12 AWG MULTICONDUCTOR POWER AND CONTROL CABLES WITH PVC OR CROSS-LINKED POLYETHYLENE (XLPE) INSULATION AND PVC JACKET. WHEN MULTICONDUCTOR POWER AND CONTROL CABLES WITH PVC AND HAVING MAX OUTSIDE DIAM OF 1/2 IN. WHEN FIBER OPTIC CABLE IS USED, 1 FT. AND FHP RATING IS 3/4HR.
  - MULTIPLE FIBER OPTICAL COMMUNICATION CABLES JACKETED WITH PVC AND HAVING MAX OUTSIDE DIAM OF 1/2 IN. (13MM).
  - TYPE RJ45 COAXIAL CABLE WITH POLYETHYLENE (PE) INSULATION AND PVC JACKET HAVING A MAX OUTSIDE DIAMETER OF 1/2 IN. (13MM).
  - MAX REC 6V COAXIAL CABLE WITH FLUORINATED ETHYLENE INSULATION AND JACKETING.
  - MULTIPLE FIBER OPTICAL COMMUNICATION CABLES JACKETED WITH PVC AND HAVING MAX OD OF 5/8 IN. (16MM).
  - AFC CABLE SYSTEMS INC.
  - THROUGH PENETRATING PRODUCT - MAX THREE COPPER CONDUCTOR NO. 8 AWG METAL-CLAD CABLE.
  - CABLE SYSTEMS INC.
  - MAX 3/C (WITH GROUND) NO. 8 AWG COPPER CONDUCTOR CABLE WITH PVC INSULATION AND JACKETING.
  - MAX 3/4 IN. (19 MM) DIA. COPPER GROUND CABLE WITH OR WITHOUT A PVC JACKET.
  - FIRE RESISTIVE CABLE - MAX 1-1/4 IN. (32 MM) DIA. SINGLE CONDUCTOR OR MULTI-CONDUCTOR TYPE MI CABLE. A MIN 1/8 IN. (3MM) SEPARATION SHALL BE MAINTAINED BETWEEN MI CABLES AND ANY OTHER TYPE OF CABLE. WHEN FIBER OPTIC CABLES ARE USED, 1 FT. AND FHP RATING IS 0 HR.
  - THROUGH PENETRATING PRODUCT - ANY CABLES, METAL-CLAD CABLES OR ARMORED CABLES CURRENTLY CLASSIFIED UNDER THE THROUGH PENETRATING PRODUCTS CATEGORY.
  - THROUGH PENETRATING PRODUCT (DMEY) CATEGORY IN THE FIRE RESISTANCE DIRECTORY FOR NAMES OF MANUFACTURERS.

- FLOORING MATERIAL - MIN 2 IN. (51 MM) THICKNESS OF MIN 4 PCF (64 KG/MS) MINERAL WOOL BATT INSULATION FIRMLY PACKED INTO OPENING AS A PERMANENT FORM. PACKING MATERIAL TO BE RECESSED 1/2 IN. (13 MM) FROM TOP SURFACE OF FLOOR OR FROM BOTH SURFACES OF WALL TO ACCOMMODATE THE FILL MATERIAL. IF THE STEEL SLEEVE ITEM 2 EXTENDS ABOVE THE TOP OF THE FLOOR, THE PACKING MATERIAL SHALL BE FLUSH WITH THE BOTTOM SURFACE OF THE FLOOR.
- FILL VOID OR CAVITY MATERIAL - SEALANT - MIN 1/2 IN. (13MM) THICKNESS OF FILL MATERIAL APPLIED WITHIN THE ANNULUS. FLUSH WITH TOP SURFACE OF FLOOR OR WITH BOTH SURFACES OF WALL.
- HELIX CONSTRUCTION CHEMICALS, DIV OF HELIX INC. - FS-ONE SEALANT OR FS-ONE MAX INTUMESCENT SEALANT.
- INDICATES SUCH PRODUCTS SHALL BEAR THE UL OR CUL CERTIFICATION MARK FOR JURISDICTIONS EMPLOYING THE UL OR CUL CERTIFICATION (SUCH AS CANADA), RESPECTIVELY.

### (OPEN CABLE) FLOOR PENETRATION DETAIL

### SYSTEM NO. W-L-3065

ANSI/UL 1479 (ASTM E814)  
 F-RATING = 1-HR. OR 2-HR. (SEE ITEM 1).  
 T-RATING = 0-HR AND 3/4-HR (SEE ITEM 3).  
 L-RATING AT AMBIENT = 15 CFM/SQ. FT.  
 L-RATING AT 400°F = 8 CFM/SQ. FT.



- WALL ASSEMBLY - THE 1 OR 2 PRECAST GYPSUM WALLBOARD/STUD WALL ASSEMBLY SHALL BE CONSTRUCTED OF THE MATERIALS AND IN THE MANNER SPECIFIED IN THE INDIVIDUAL U300, U400 OR W400 SERIES WALL AND PARTITION DESIGN IN THE UL FIRE RESISTANCE DIRECTORY AND SHALL INCLUDE THE FOLLOWING CONSTRUCTION FEATURES:
  - STUDS/WALL FRAMING MAY CONSIST OF EITHER WOOD STUDS OR STEEL CHANNEL STUDS. WOOD STUDS TO CONSIST OF NOM 2 1/4 IN. (51 BY 102 MM) LUMBER SPACED 16 IN. (406 MM) O.C. STEEL STUDS TO BE MIN 2-1/2 IN. (64 MM) WIDE AND SPACED MAX 24 IN. (610 MM) O.C.
  - GYPSUM BOARD - NOM 5/8 IN. (16 MM) THICK GYPSUM BOARD, WITH SQUARE OR TAPERED EDGES. THE GYPSUM BOARD TYPE, THICKNESS, NUMBER OF LAYERS, FASTENER TYPE AND SHEET ORIENTATION SHALL BE AS SPECIFIED IN THE INDIVIDUAL WALL AND PARTITION DESIGN IN THE UL FIRE RESISTANCE DIRECTORY. MAX DIA. OF OPENING IS 5-1/2 IN. (139 MM) WHEN SLEEVE ITEM 2 IS EMPLOYED. MAX DIA. OF OPENING IS 4 IN. (102 MM) WHEN SLEEVE ITEM 3 IS NOT EMPLOYED.

- METALLIC SLEEVE - (OPTIONAL) - NOM 4 IN. (102 MM) DIA. (OR SMALLER) STEEL ELECTRICAL METALLIC TUBING (EMT) OR SCHEDULE 40 (OR HEAVIER) STEEL PIPE OR MIN 0.076 IN. THICK (0.41 MM) NO. 28 GALV STEEL SLEEVE INSTALLED WITH WALL SURFACES. THE ANNULAR SPACE BETWEEN STEEL SLEEVE AND PERIPHERY OF OPENING SHALL BE MIN 0 IN. (0MM) POINT CONTACT TO MAINTAIN NORMAL WHEN SCHEDULE 40 STEEL PIPE OR EMT IS USED. SLEEVE MAY EXTEND UP TO 18 IN. (457 MM) BEYOND THE WALL SURFACES. AS AN OPTION WHEN SCHEDULE 5 STEEL PIPE OR EMT IS USED, SLEEVE MAY EXTEND CONTINUOUSLY BEYOND ONE WALL SURFACE. WHEN CABLE BUNDLE PENETRATES WALL ASSEMBLY AT AN ANGLE OF 45 DEGREES, NO METALLIC SLEEVE IS USED.
- CABLES - AGGREGATE CROSS-SECTIONAL AREA OF CABLE IN OPENING TO BE MAX 45 PERCENT OF THE CROSS-SECTIONAL AREA OF THE OPENING. THE ANNULAR SPACE BETWEEN THE CABLE BUNDLE AND THE PERIPHERY OF THE OPENING TO BE MIN 0 IN. (POINT CONTACT) TO MAINTAIN (25 MM) MIN. SLEEVE BE CONTINUOUS ON ONE SIDE OF WALL (SEE ITEM 2). THE CABLE RILL MAY BE TO 45% AND THE MAX ANNULAR SPACE IS NOT LIMITED. CABLES TO BE PROBABLY SUPPORTED ON ONE SIDE OF THE WALL ASSEMBLY. CABLE BUNDLE USING CABLES DESCRIBED BELOW, MAY PENETRATE THE WALL AT AN ANGLE NOT GREATER THAN 45 DEGREES. ANY COMBINATION OF THE FOLLOWING TYPES AND SIZES OF COPPER CONDUCTOR CABLES MAY BE USED:
  - MAX 7/C NO. 12 AWG WITH POLYVINYL CHLORIDE (PVC) INSTALLATION AND JACKET.
  - TYPE RJ45 COAXIAL CABLE WITH POLYETHYLENE (PE) INSULATION AND PVC JACKET HAVING A MAX OUTSIDE DIAMETER OF 1/2 IN. (13MM).
  - MAX REC 6V COAXIAL CABLE WITH FLUORINATED ETHYLENE INSULATION AND JACKETING.
  - MULTIPLE FIBER OPTICAL COMMUNICATION CABLES JACKETED WITH PVC AND HAVING MAX OD OF 5/8 IN. (16MM).
  - AFC CABLE SYSTEMS INC.

NEW EQUIPMENT	
SYMBOL LEGEND - FIRE ALARM	
[Symbol]	DESCRIPTION
[H]	MANUAL PULL STATION
[H]	WALL MOUNTED STROBE (NUMBER INDICATES CANDELAS)
[CLG]	CEILING MOUNTED SPEAKER STROBE (NUMBER INDICATE WATTAGE OF SPEAKER & STROBE CANDELA)
[Symbol]	WALL MOUNTED WEATHERPROOF EXTERIOR SPEAKER STROBE (WP - INDICATES WEATHERPROOF)
[S]	CEILING MOUNTED SMOKE DETECTOR
[H]	HEAT DETECTOR MOUNTED ABOVE CEILING (50 FOOT SPACING)
[Symbol]	FIRE ALARM CONTROL PANEL (FACP)

IDENTIFICATION STAMP  
 DIV. OF THE STATE ARCHITECT  
 APP03 120280  
 ACW FLS 5/15/85  
 DATE OCT 03 2019



ARCHITECT PBK Architects, Inc.  
 VENTURA 2751 Parkview Ct, Suite 251  
 Oxnard, CA 93036  
 805-947-3200 P  
 805-853-4514 F

LAND SURVEYOR 821 W. ALLENDALE, SUITE 400  
 CAMARILLO, CA 93015  
 805-827-2867 P, 805-827-1950 F

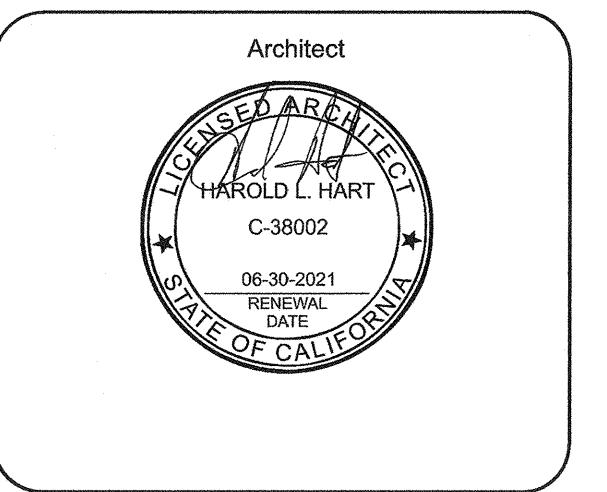
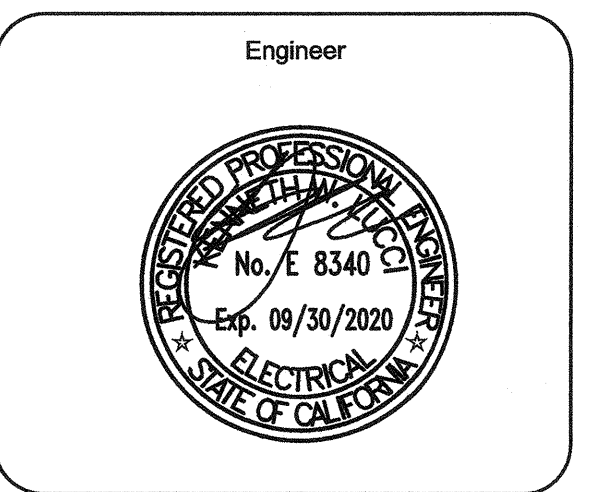
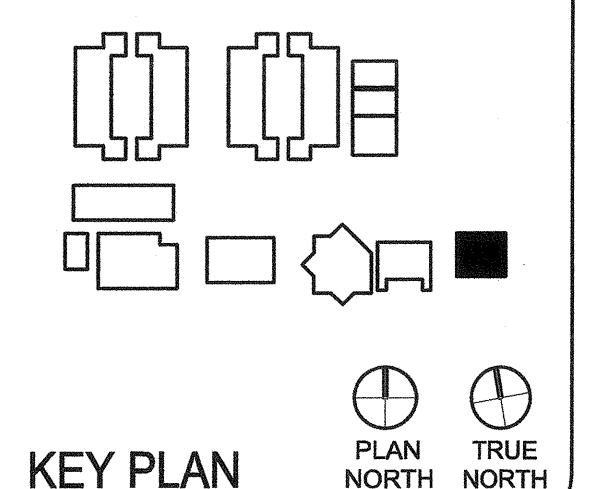
CIVIL 11415 E. MAIN STREET  
 VENTURA, CA 93001  
 805-853-1282 P, 805-853-2121 F

MECHANICAL AE GROUP MECHANICAL ENGINEERS, INC.  
 818 EAST FRONT STREET  
 VENTURA, CA 93001  
 805-853-1252 P, 805-853-2700 F

ELECTRICAL 1201 CORTE MALPASO, #501  
 CAMARILLO, CA 93015  
 805-888-8800 P

PLUMBING AE GROUP MECHANICAL ENGINEERS, INC.  
 818 EAST FRONT STREET  
 VENTURA, CA 93001  
 805-853-1252 P, 805-853-2700 F

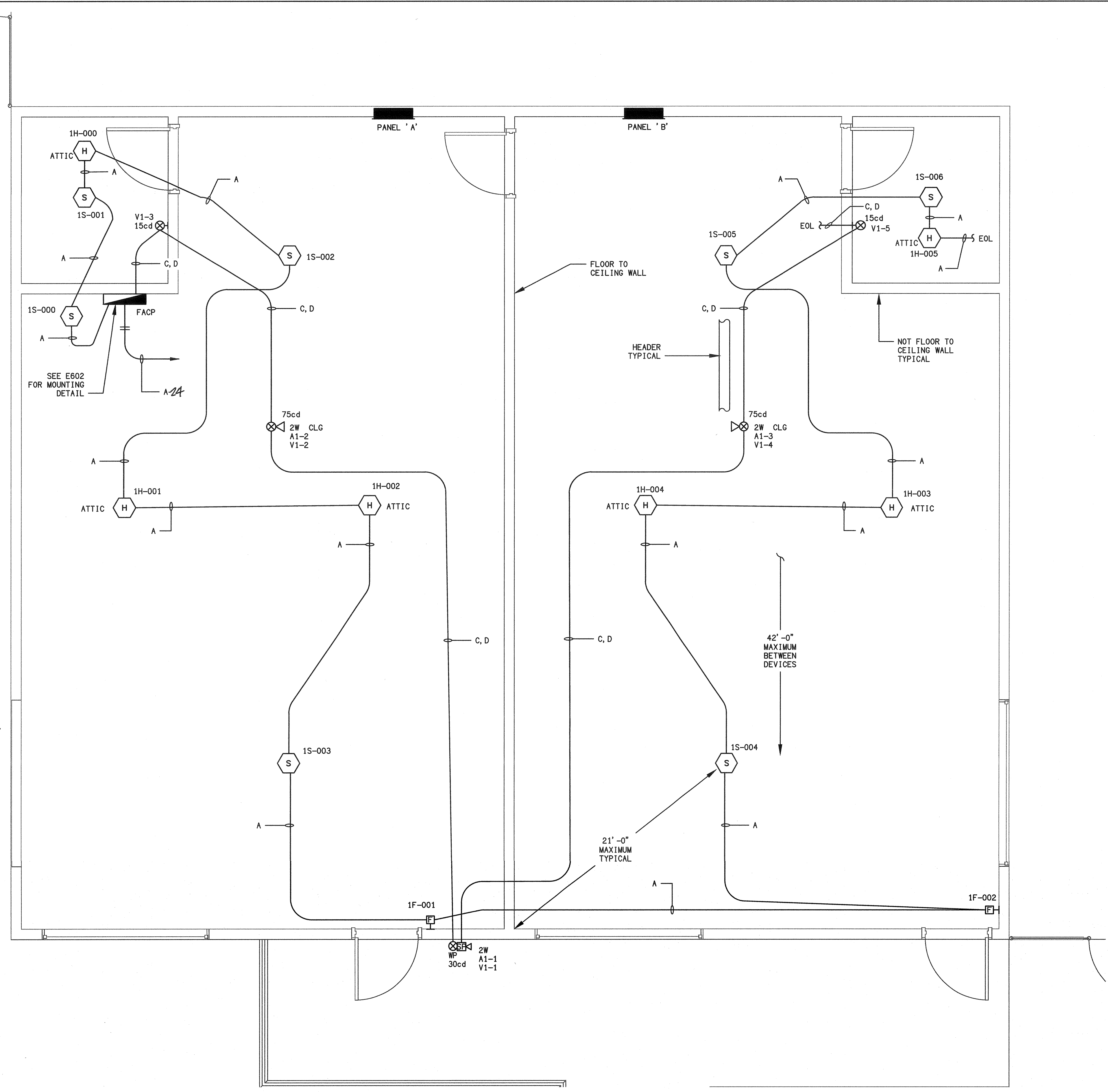
NEW PORTABLE CLASSROOM BUILDING



CLIENT CAPE CHARTER SCHOOL		
PROJECT NUMBER 19172		
DATE 09-20-2019		
REVISIONS		
No.	Description	Date

RELOCATABLE BUILDING FIRE ALARM PLAN

E502



ALL NEW CONDUIT SHALL BE RED IN COLOR AND 3/4" MINIMUM

RELOCATABLE BUILDING FIRE ALARM PLAN  
 SCALE: 3/8" = 1'-0"  
 1  
 E502  
 3/8" = 1'-0"  
 0 1' 2' 3' 4' 5' 6'

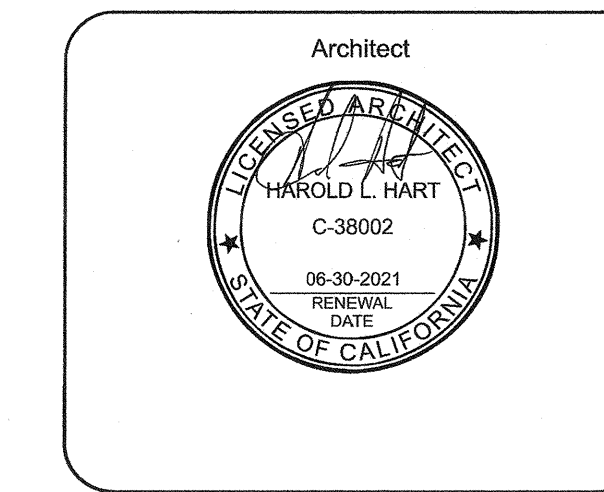
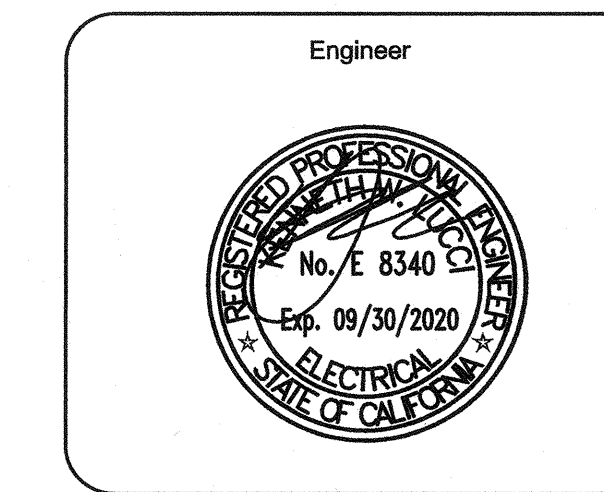
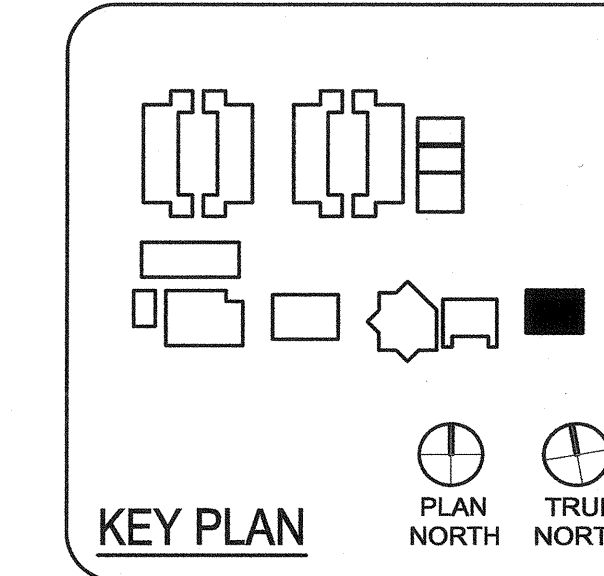
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IDENTIFICATION STAMP  
DIV. OF THE STATE ARCHITECT  
APPROX 120280  
DATE 07-03-2019



ARCHITECT PBK Architects, Inc.  
VENTURA  
2751 Parkview Ct, Suite 251  
Ventura, CA 93005  
805-847-3200 P  
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811 VIA ALVARADO, SUITE 409  
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805-853-3862 P, 805-877-5855 F  
CIVIL  
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805-848-3333 P, 805-848-8571 F  
MECHANICAL  
488 EAST FRONT STREET  
VENTURA, CA 93021  
805-853-1722 P, 805-853-1788 F  
ELECTRICAL  
3351 CORICE MALPANO BLVD  
CARMELITO, CA 93012  
805-858-8337 P  
PLUMBING  
488 EAST FRONT STREET  
VENTURA, CA 93021  
805-853-1722 P, 805-853-1788 F

NEW PORTABLE CLASSROOM BUILDING  
777 Alamo Street  
Carmelito, CA 93010  
CAPE COMETS



CLIENT CAPE CHARTER SCHOOL  
PROJECT NUMBER 19172  
DATE 09-20-2019

REVISIONS		
No.	Description	Date

FIRE ALARM SYSTEM RISER DIAGRAM - NEW WORK  
E504

DATE: 2 October, 2019 TIME: 5:11 pm

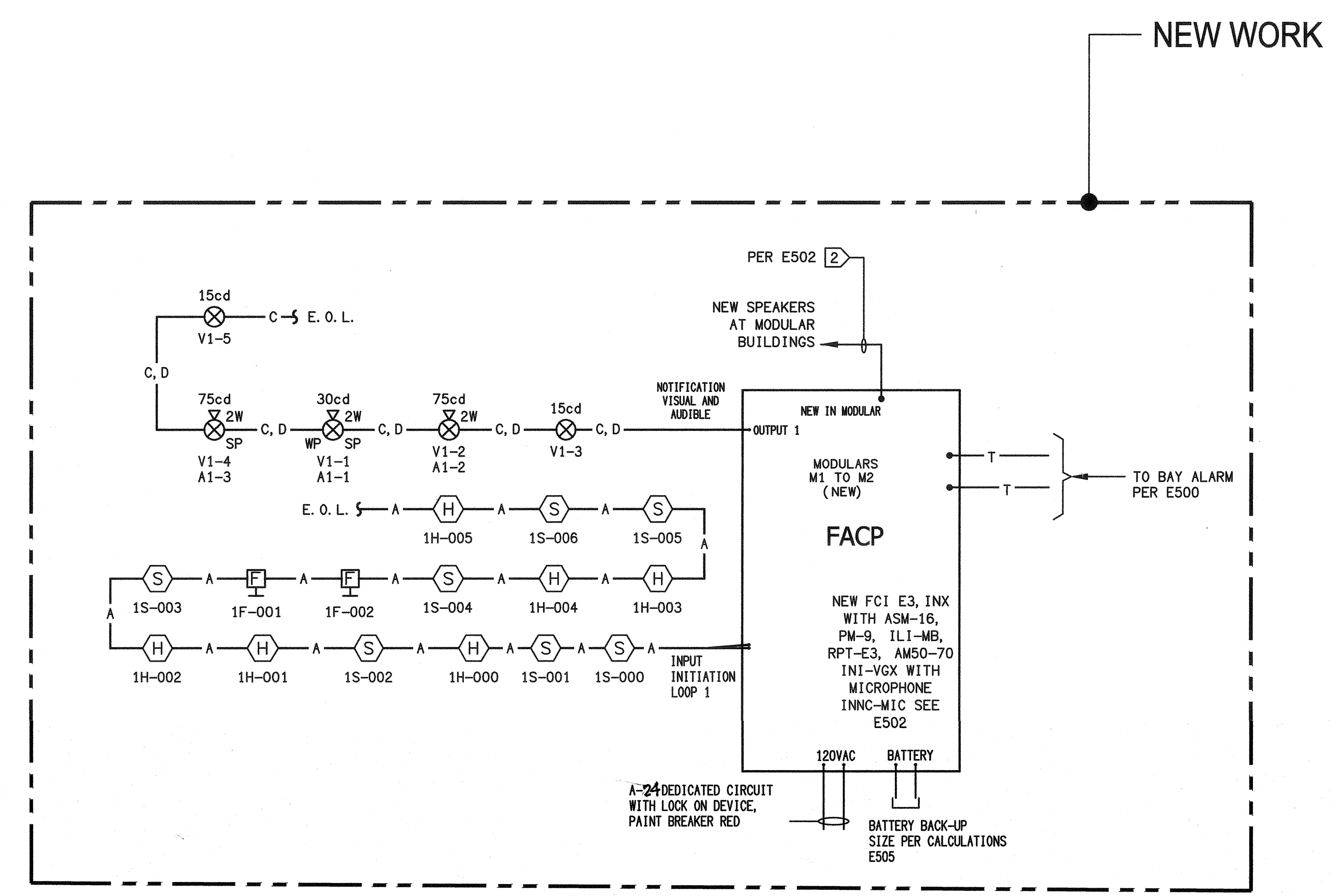
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DRAFTER: Leo Keener

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9/27/2019 9:16:59 AM

CHECKED BY: Checker

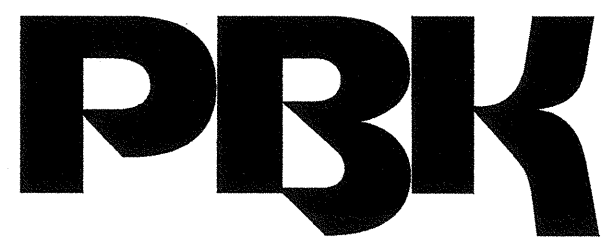
DRAWN BY: Author



KEY NOTES:  
1 NOT USED.  
2 PROVIDE IN NEW CONDUIT.

FIRE ALARM RISER - NEW WORK  
SCALE: NTS  
E504

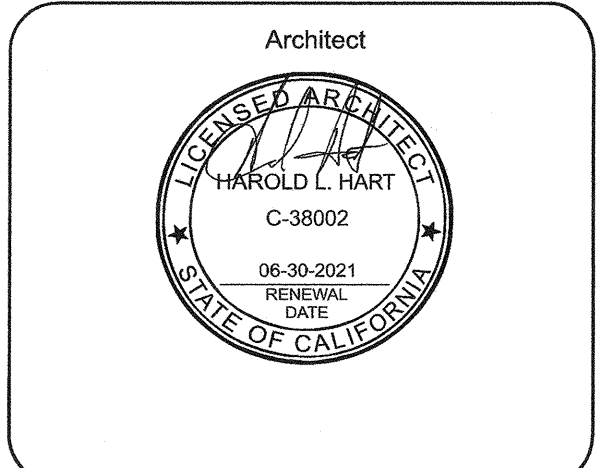
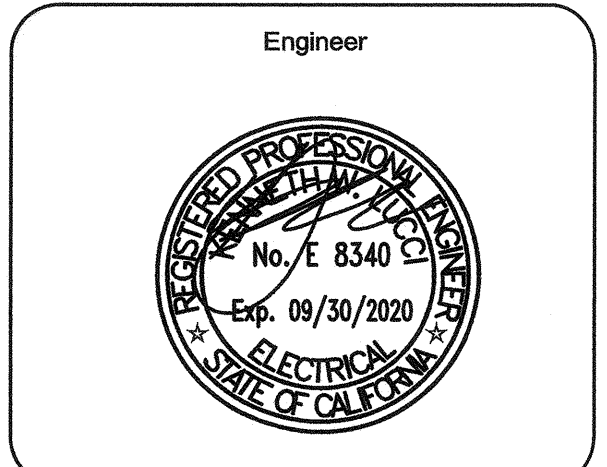
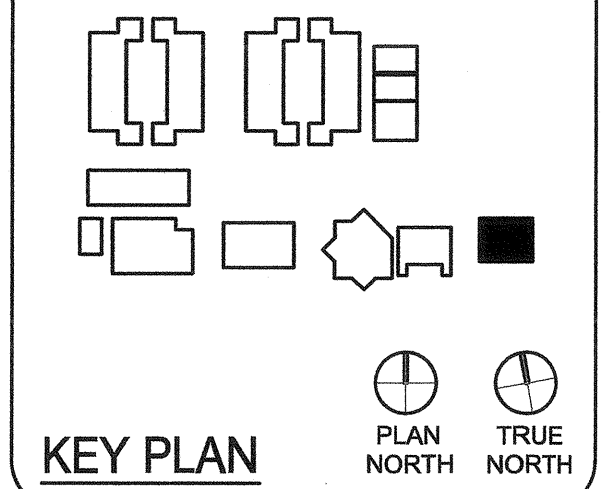




ARCHITECT	PBK Architects, Inc.
VENTURA	2751 Parkview Ct, Suite 251 Oakland, CA 94612 925-947-3300 P 925-947-4514 F
LAND SURVEYOR	921 W. ALONDRA, SUITE 400 CAMPBELL, CA 95008 925-887-3900 P, 925-887-7500 F
CIVIL	1162 E. BARKER STREET VENTURA, CA 93141 805-582-1512 P, 805-582-1501 F
MECHANICAL	48 E. GROUP MECHANICAL ENGINEERS, INC. VENTURA, CA 93141 805-582-1512 P, 805-582-1501 F
ELECTRICAL	3281 CORTE VALPAQUERO CAMPBELL, CA 95022 925-887-3900 P
PLUMBING	48 E. GROUP MECHANICAL ENGINEERS, INC. VENTURA, CA 93141 805-582-1512 P, 805-582-1501 F

**NEW PORTABLE CLASSROOM BUILDING**

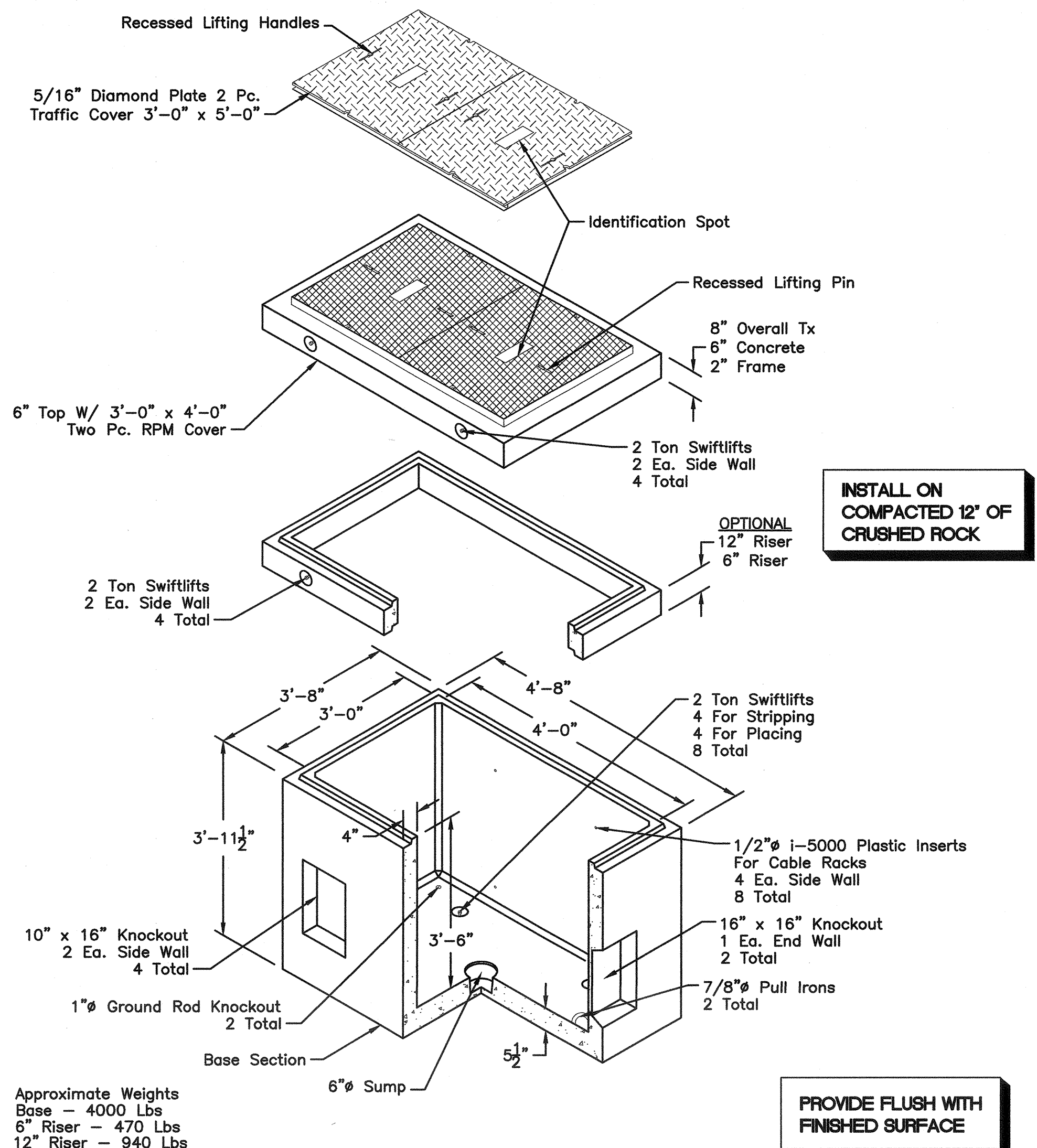
777 Allen Street  
Camarillo, CA 93010



CLIENT	CAPE CHARTER SCHOOL	
PROJECT NUMBER	19172	
DATE	09-20-2019	
REVISIONS	SEE FLOOR PLAN	
No.	Description	Date

**ELECTRICAL DETAILS**

**E601**



**3'-0" X 4'-0" POWER PULLBOX**  
SCALE: NONE

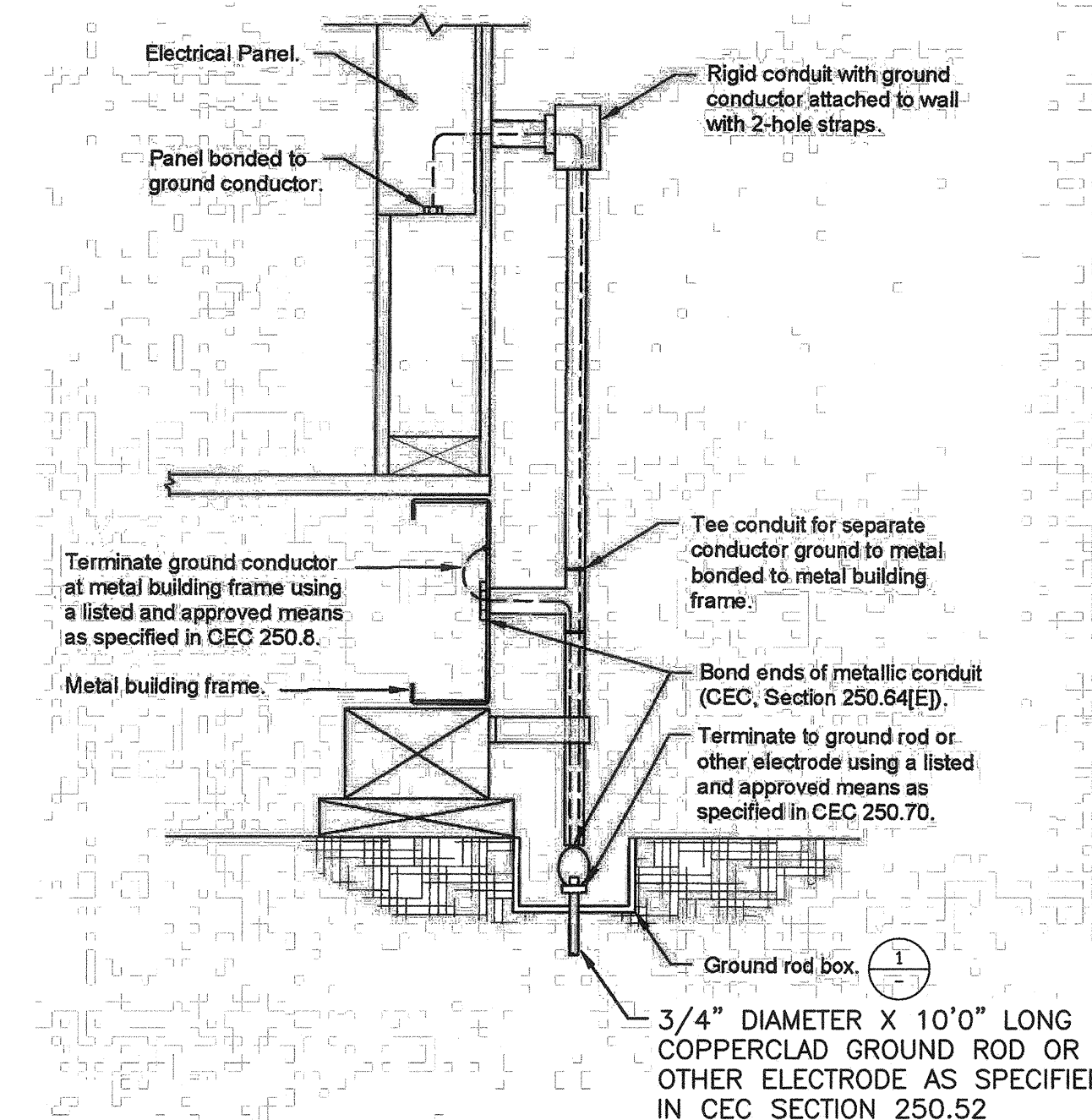
INSTALL ON COMPACTED 12" OF CRUSHED ROCK

PROVIDE FLUSH WITH FINISHED SURFACE

- NOTES:**
- Size of conductors shall comply with CEC, Table 250.66.
  - Bond separate conductors from ground rod to electrical panel and to metal building frame. In addition to the detail shown above, bond the electrical ground to metal underground water pipe in direct contact with the earth for 10 ft. or more, if available. (CEC, § 250.52)
  - All modules of metal frame buildings shall be electrically bonded together. (Bolting only is not acceptable bonding.)
  - Check resistance to ground. If resistance exceeds 25 ohms, install additional ground rod six feet or greater away. Once the second ground rod is installed, additional ground resistance testing is not required. (CEC, § 250.53(A)&(B))
  - 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 grounded to that ground ring. Where this method is used, ground resistance testing shall not be required. (CEC, § 250.52(A)(4))
  - Where modular buildings are installed on concrete foundations, a concrete-encased electrode (Ufer) ground shall be installed in the footing per CEC Section 250.52(A)(3).
  - Other grounding methods identified in CEC Article 250 shall be acceptable means to achieve adequate grounding of metal buildings in compliance with the above.

All metal building components must be electrically bonded together, and each building must be independently grounded. Multiple buildings are not to be grounded through the electrical system. All grounding systems are to be tested with a low-resistance ohmmeter, or in an otherwise acceptable manner. Refer to CEC Section 250.52 for specific grounding requirements.

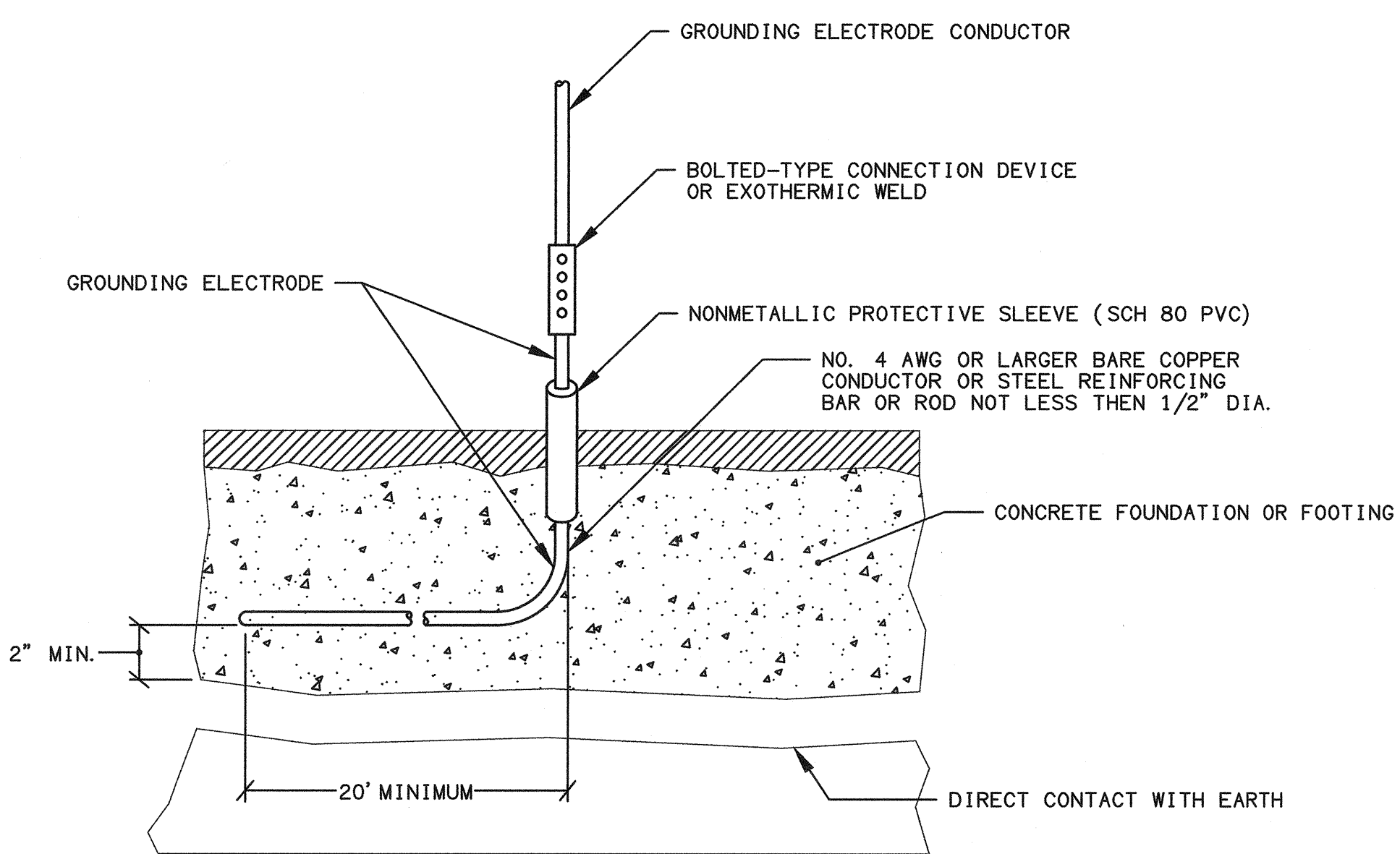
Grounding tests are to be observed and reported by the Project Inspector in their semi-monthly report (form DSA 155).



**GROUNDING OF MODULAR BUILDINGS FABRICATED OFF SITE**  
SCALE: NONE

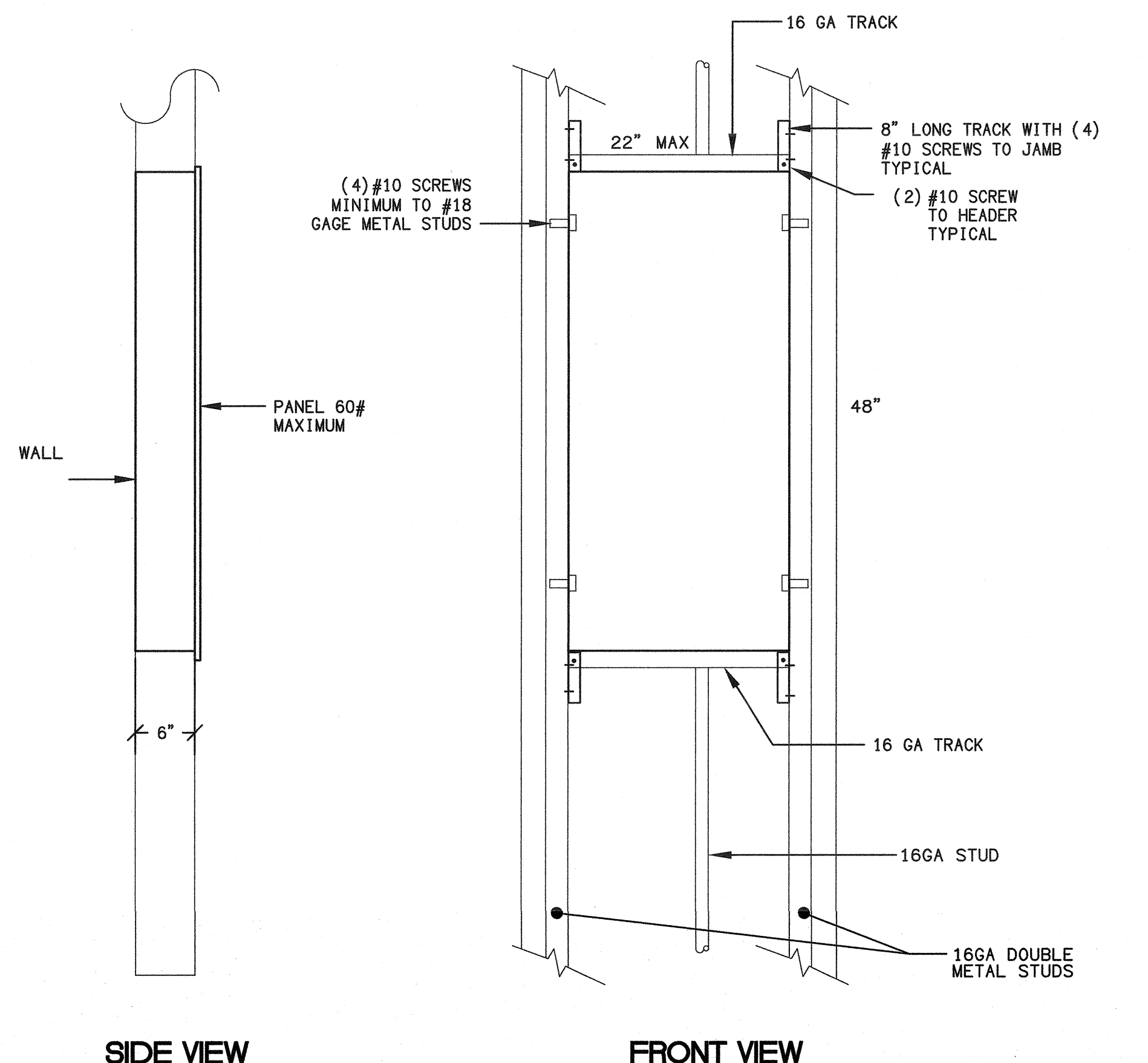
5 - E601

- DETAIL NOTES:**
- CONCRETE-ENCASED ELECTRODE: AN ELECTRODE ENCASED BY AT LEAST 2 INCHES (50.8MM) OF CONCRETE. LOCATED WITHIN AND NEAR THE BOTTOM OF A CONCRETE FOUNDATION OR FOOTING THAT IS IN DIRECT CONTACT WITH THE EARTH, CONSISTING OF AT LEAST 20 FEET (6.1 M) OF ONE OR MORE BARE OR ZINC GALVANIZED OR OTHER ELECTRICALLY CONDUCTIVE COATED STEEL REINFORCING BARS OR RODS OF NOT LESS THAN 1/2 INCH (12.7 MM) DIAMETER, OR CONSISTING OF AT LEAST 20 FEET (6.1 M) OF BARE COPPER CONDUCTOR NOT SMALLER THAN NO. 4. SEE PLANS FOR SIZE OF CONDUCTOR IF GREATER THAN #4.



**UFER GROUND DETAIL**  
SCALE: NONE

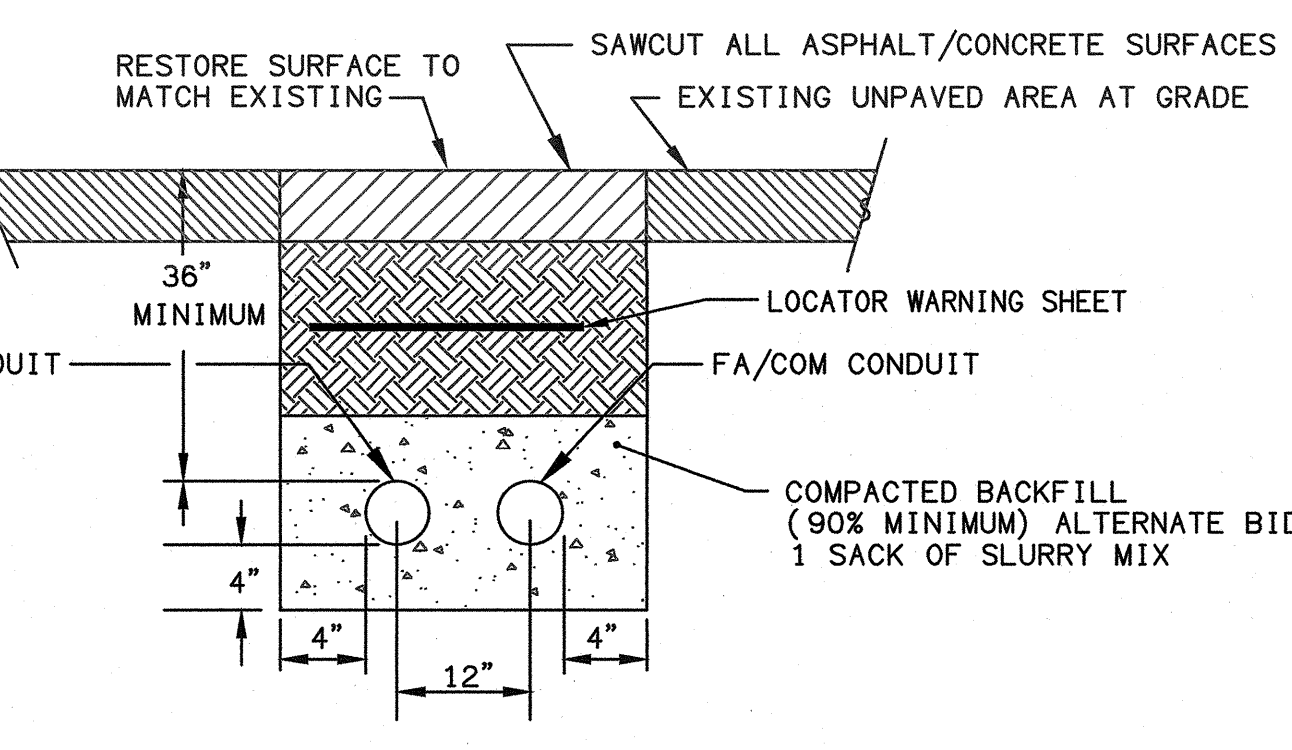
3 - E601



**FLUSH MOUNTED PANEL**  
SCALE: NONE

6 - E601

- DETAIL NOTES:**
- ALL CONDUITS TO BE PROVIDED WITH METERED PULLWIRES THEIR ENTIRE LENGTH.
  - ALL CONDUITS BENDS SHALL BE FACTORY BENDS WITH MINIMUM 12 TIMES DIAMETER BEND RADIUS.
  - ALL CONCRETE TO BE 5 SACK MIX OR 2000psi
  - ALL FEEDERS TO BE PER ELECTRICAL SINGLE LINE SHEET E200 & E150.

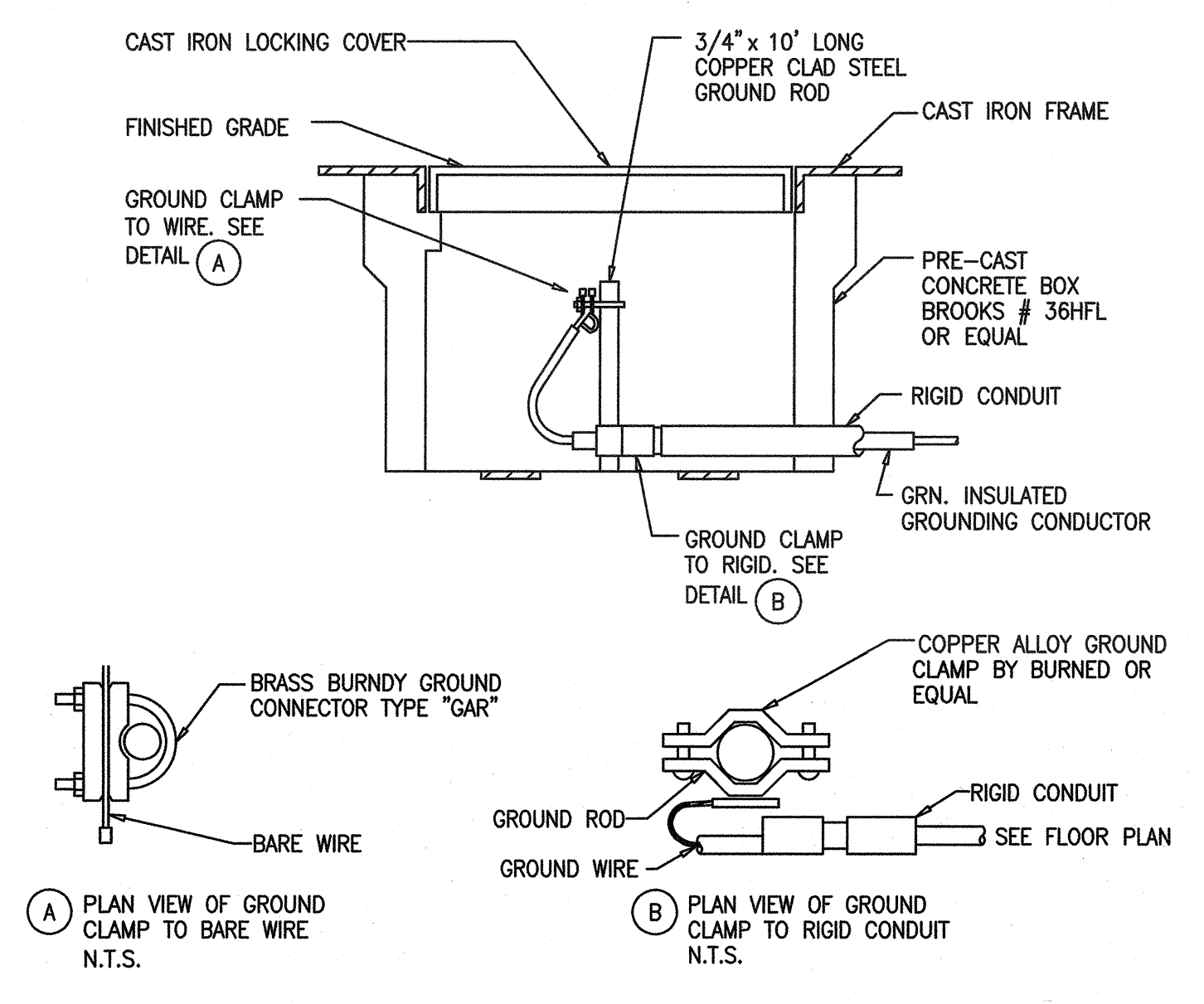


**DUCTBANK SECTION**  
SCALE: NONE

4 - E601

**NOT USED**  
SCALE: 1/4" = 1'0"

2 - E601



**GROUND ROD AND PRE-CAST CONCRETE BOX DETAIL**  
SCALE: NTS PROVIDE AT EACH MODULAR PANEL

1 - E601

DATE: 2 October, 2019  
PATHNAME: G:\19172\ELLSheets  
DRAFTING FILENAME: 1972E601  
DRAFTER: Lee Keener  
CHECKED BY: [Blank]  
DRAWN BY: [Blank]



ARCHITECT	PBK Architects, Inc.
VENTURA	2751 Parkview Ct, Suite 251 Oxnard, CA 93036 805-947-3200 P 805-853-4514 F
LAND SURVEYOR	181 VIA ALVARADO, SUITE 200 CARMELITO, CA 95015 805-853-2500
CIVIL	11455 MARSHWAY DRIVE VENTURA, CA 93021 805-853-2500
MECHANICAL	42 GROUP MECHANICAL ENGINEERS, INC. VENTURA, CA 93021 805-853-2500
ELECTRICAL	LUCCI & ASSOCIATES 1201 CORTE PALMADENO CARMELITO, CA 95012 805-853-2500
PLUMBING	42 GROUP MECHANICAL ENGINEERS, INC. 181 VIA ALVARADO STREET VENTURA, CA 93021 805-853-2500

**NEW PORTABLE CLASSROOM BUILDING**

777 Alhambra Street  
Carmelito, CA 95010

**CAPE COMETS**

**KEY PLAN**

PLAN NORTH  
TRUE NORTH

Engineer

Professional Seal: No. E 8340, Exp. 09/30/2020, State of California

Architect

Professional Seal: No. 39092, State of California

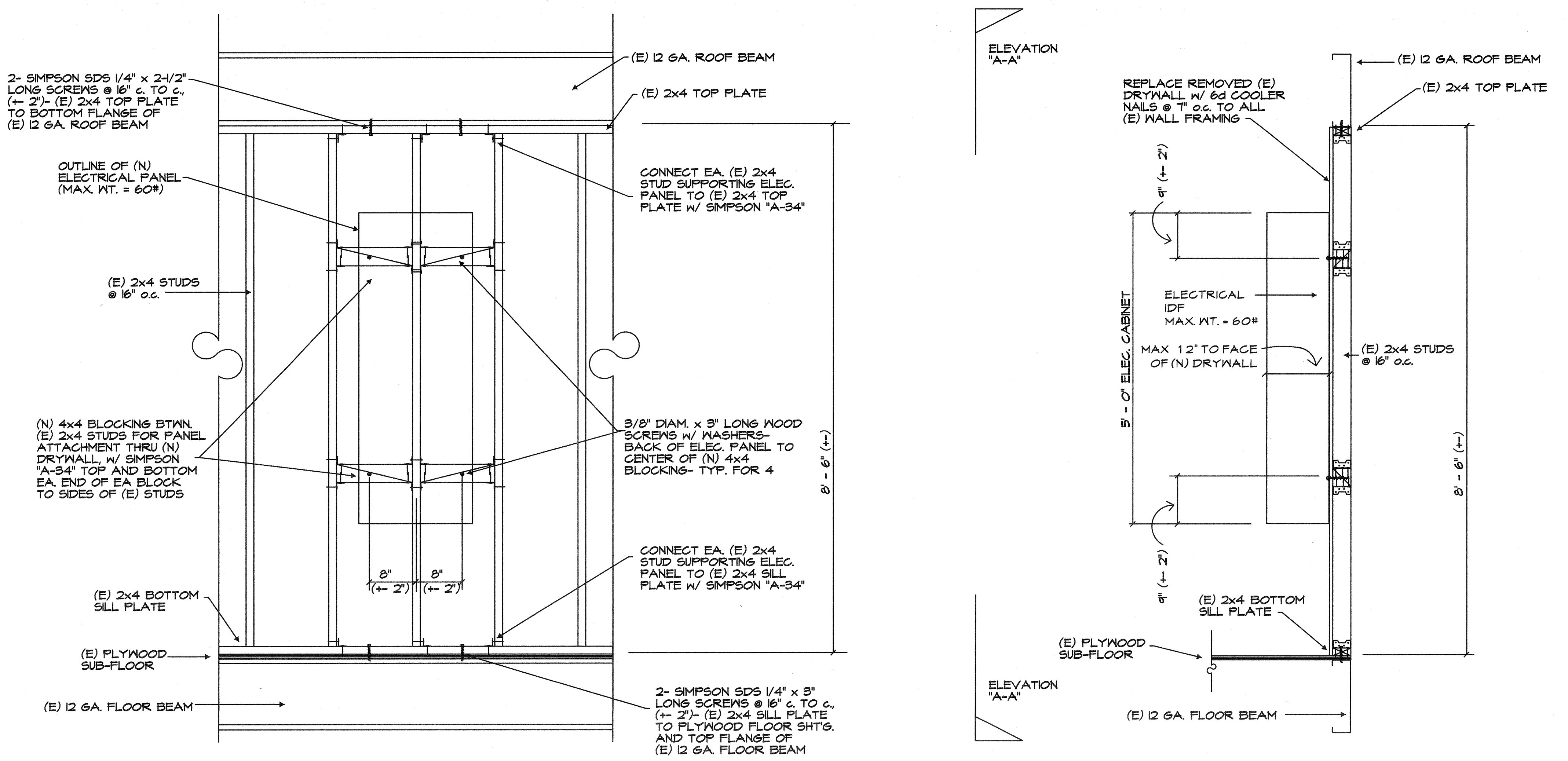
CLIENT: CAPE CHARTER SCHOOL  
PROJECT NUMBER: 19172

DATE: 09-20-2019

REVISIONS	No.	Description	Date

**STRUCTURAL SUPPORT DETAILS**

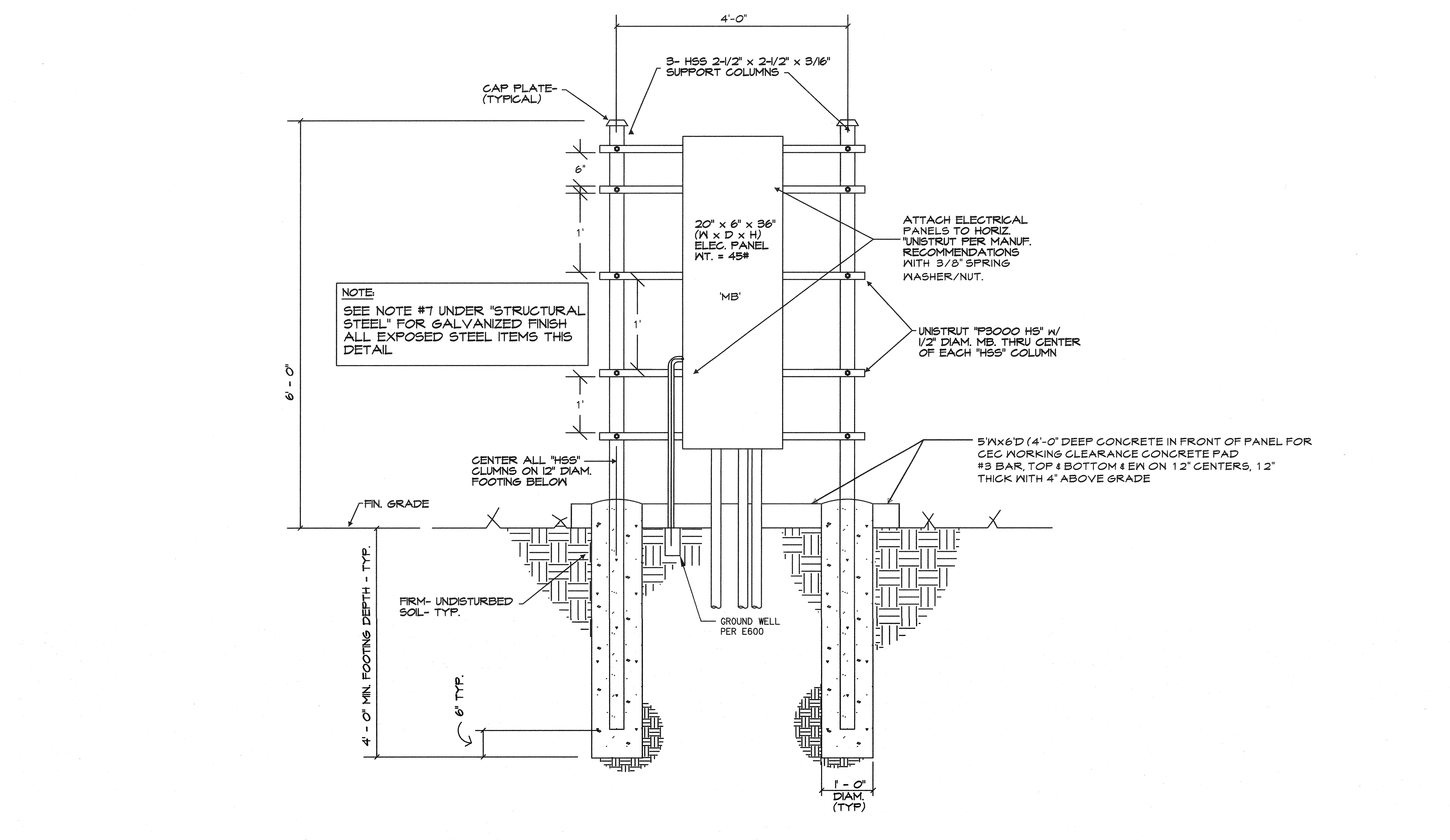
**E602**



**SURFACE MOUNTED ELECTRICAL PANEL - IDF / FACP**

SCALE: NTS

2  
-E602



**GENERAL NOTES**

- GENERAL**
- ALL WORK SHALL CONFORM WITH THE 2016 CALIFORNIA BUILDING CODE (CBC), AND ALL LOCAL ORDINANCES.
  - THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS PRIOR TO STARTING CONSTRUCTION AND BRING TO THE ATTENTION OF THE ENGINEER ANY DISCREPANCIES OR INCONSISTENCIES.
  - NO STRUCTURAL MEMBER SHALL BE CUT, NOTCHED, BORED OR OTHERWISE WEAKENED EXCEPT AS ALLOWED BY THE CALIFORNIA BUILDING CODE OR APPROVED BY THE ENGINEER.
  - THE ENGINEER SHALL BE NOTIFIED OF ANY UNUSUAL OR UNFORSEEN CONDITION WHICH EFFECTS THE STRUCTURAL STABILITY OF THE BUILDING PRIOR TO CONTINUING WITH CONSTRUCTION. SHOULD ANY CONDITION ARISE WHERE THERE APPEARS TO BE AN ERROR ON THE DRAWINGS OR A DISCREPANCY BETWEEN THE DRAWINGS AND CONDITIONS IN THE FIELD, THE ENGINEER SHALL BE NOTIFIED PRIOR TO CONTINUING WITH THE WORK.
  - IN THE CASE WHERE TWO OR MORE DETAILS APPLYING TO THE SAME PART OF THE WORK ARE IN CONFLICT, THE MOST RESTRICTIVE SHALL GOVERN UNLESS CLARIFIED OR OTHERWISE APPROVED BY THE ENGINEER.
  - REVIEW OF SHOP DRAWINGS MEANS REVIEW OF GENERAL METHOD OF FABRICATION ONLY. DIMENSIONS AND QUANTITIES MAY NOT BE CHECKED, AND REVIEW OF THE SHOP DRAWINGS DOES NOT RELIEVE THE CONTRACTOR FROM COMPLIANCE WITH THE CONSTRUCTION DOCUMENTS UNLESS SPECIFICALLY SO INDICATED IN THE REVIEW.
  - THE ENGINEER HAS NOT BEEN RETAINED FOR SUPERVISION OR INSPECTION DURING CONSTRUCTION, BUT WILL RESOLVE STRUCTURAL ITEMS BROUGHT TO HIS ATTENTION DURING CONSTRUCTION.
  - THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL SHORING AND BRACING REQUIRED TO PROTECT PERSONNEL AND ADJACENT PROPERTY DURING CONSTRUCTION. THE CONTRACTOR SHALL ADEQUATELY BRACE ELEMENTS OF THE STRUCTURE DURING CONSTRUCTION TO INSURE THE SAFETY OF THE STRUCTURE.
  - REFER TO THE ARCHITECTURAL DRAWINGS FOR DIMENSIONS, ELEVATIONS, AND SLOPES NOT SHOWN ON THE STRUCTURAL DRAWINGS.
- WOOD FRAMING**
- ALL FRAMING LUMBER SHALL BE GRADE MARKED DOUGLAS FIR-LARCH AND SHALL CONFORM TO "STANDARD GRADING RULES NO. 16" BY WEST COAST LUMBER INSPECTION BUREAU, LATEST EDITION, AND PS 24-15.
  - ALL LUMBER SHALL BE NO. 1 GRADE MINIMUM UNLESS OTHERWISE NOTED ON PLANS.
  - NAILING SHALL CONFORM TO TABLE 2304.10.1 OF THE CALIFORNIA BUILDING CODE UNLESS OTHERWISE NOTED ON PLANS. ALL WALLS SHALL BE COMMON WIRE NAILS OR EQUIVALENT.
  - ALL PLYWOOD SHALL CONFORM TO PS1-09, AND SHALL BE LAID WITH JOINTS STAGGERED AND FACE GRAIN PERPENDICULAR TO SUPPORTS. THE MINIMUM WIDTH OF PLYWOOD BETWEEN EDGES IN ANY DIRECTION SHALL BE 2'-0".
- STRUCTURAL STEEL**
- ALL STRUCTURAL STEEL SHALL CONFORM TO ASTM A-36 EXCEPT FOR WIDE FLANGE SHAPES WHICH SHALL CONFORM TO ASTM A-992, GRADE 50. SEE NOTE "2" BELOW FOR PIPES AND TUBE SHAPES.
  - STEEL PIPE SHALL CONFORM TO ASTM A-53, GRADE "B" AND TUBULAR STEEL MEMBERS SHALL CONFORM TO ASTM A-500, GRADE "B".
  - ALL WELDING SHALL BE PERFORMED WITH E70XX ELECTRODES CONFORMING TO AWS D1.1, LATEST EDITION, PROVIDE BACKING PLATES AS REQUIRED FOR FULL PENETRATION WELDS.
  - STRUCTURAL STEEL SHALL BE DETAILED, FABRICATED, AND ERECTED IN ACCORDANCE WITH THE "SPECIFICATIONS FOR THE DESIGN, FABRICATION, AND ERECTION OF STRUCTURAL STEEL FOR BUILDINGS" BY THE A.I.S.C., LATEST EDITION.
  - ALL WELDING SHALL BE DONE BY CERTIFIED WELDERS IN THE SHOP OF A FABRICATOR APPROVED BY THE LOCAL BUILDING DEPARTMENT FOR WELDING IN THE SHOP. FOR SHOPS NOT APPROVED, WELDING SHALL BE CONTINUOUSLY INSPECTED BY A LICENSED DEPUTY INSPECTOR PER SECTION 1704.2 OF THE CBC.
  - CONTINUOUS INSPECTION BY A LICENSED DEPUTY INSPECTOR IS REQUIRED FOR ALL FIELD WELDING PER SEC. 1704.3 OF THE CBC, EXCEPT MINOR ITEMS WHEN APPROVED BY THE ENGINEER AND BUILDING INSPECTOR.
  - ALL FABRICATED ITEMS SHALL BE SHOP PAINTED WITH ONE COAT OF SHOP PRIMER EXCEPT FOR STEEL ITEMS EXPOSED TO THE ELEMENTS WHICH SHALL BE HOT DIPPED GALVANIZED PER ASTM A153.
  - BOLT HOLES SHALL BE 1/8" INCH LARGER THAN BOLT DIAMETER UNLESS SLOTTED HOLES ARE INDICATED IN DETAILS. BOLT HOLES SHALL BE PUNCHED OR DRILLED, BURNED HOLES ARE NOT PERMITTED.
  - BOLT HEADS OR NUTS BEARING ON SLOPING SURFACES SHALL BE EQUIPPED WITH BEVELLED WASHERS.
  - MACHINE BOLTS SHALL CONFORM TO ASTM A-307 AND ANCHOR BOLTS TO ASTM F-1554 UNLESS OTHERWISE NOTED ON PLANS.
- CONCRETE**
- ALL CONCRETE UNLESS OTHERWISE SHOWN ON THE PLANS SHALL BE HARDROCK CONFORMING TO ASTM C-94 WITH A MINIMUM COMPRESSIVE STRENGTH AT 28 DAYS OF Fc = 3,000 PSI.
  - AGGREGATE FOR THE CONCRETE SHALL CONFORM TO ASTM C-33, INCLUDING APPENDIX "X1".
  - THE CONTRACTOR SHALL TAKE ADEQUATE PRECAUTIONS FOR MIXING, PLACING, CURING, AND PROTECTING CONCRETE DURING UNFAVORABLE WEATHER CONDITIONS.
  - ALL REINFORCING STEEL SHALL BE NEW STOCK DEFORMED BARS CONFORMING TO ASTM A-615, GRADE 60 EXCEPT BARS MAY BE GRADE 40. ALL WELDED REINFORCING STEEL SHALL BE ASTM-A706. ALL BARS SHALL BE FREE OF RUST, GREASE, MILL SCALE OR ANY OTHER MATERIALS WHICH MIGHT AFFECT ITS BOND TO THE CONCRETE. ALL BAR BENDS SHALL BE MADE COLD.
  - PROVIDE 3/4" CHAMFER ON ALL EXPOSED CORNERS.
  - BAR SPLICES SHALL BE LAP SPLICES WITH LAP LENGTHS PER THE TABLE ON THE FOUNDATION PLAN. STAGGER LAP SPLICES OF MULTIPLE BARS. (a) IN CONT. FOOTING w/ 2 HORIZ. BARS TOP AND BOTTOM STAGGER TOP BAR LAP SPLICES AND STAGGER BOTTOM BAR LAP SPLICES. SPLICES DO NOT HAVE TO BE STAGGERED BETWEEN TOP AND BOTTOM BARS).
  - REINFORCING BARS SHALL HAVE THE FOLLOWING CONCRETE COVER, (UNLESS NOTED OTHERWISE IN DETAILS):  
CONCRETE POURED AGAINST EARTH..... 3 INCHES  
CONCRETE BEAMS AND COLUMNS..... 2 INCHES  
CONCRETE SLABS ABOVE GRADE..... 1 INCH
  - DRYPACK SHALL BE MIXED IN THE PROPORTIONS OF 1 PART PORTLAND CEMENT TO 2-1/2 PARTS SAND WITH ENOUGH WATER TO PRODUCE A STIFF MIX. DRYPACK SHALL BE THOROUGHLY TAMPED INTO PLACE TO ENSURE A DENSE FINISH, FREE OF VOIDS.
  - THE SLUMP OF THE CONCRETE SHALL BE THE MINIMUM THAT IS PRACTICABLE. WHEN VIBRATORS ARE USED TO CONSOLIDATE THE CONCRETE, THE SLUMP SHALL NOT EXCEED 4 INCHES, OTHERWISE THE SLUMP SHALL NOT EXCEED 6 INCHES.
  - ALL CONCRETE SHALL BE ADEQUATELY CONSOLIDATED DURING PLACEMENT AND ALL REINFORCING STEEL AND EMBEDDED ITEMS SHALL BE SECURELY TIED IN PLACE TO PREVENT DISPLACEMENT DURING CONCRETE PLACEMENT.
  - EXCEPT WHERE INDICATED OTHERWISE, ALL REINFORCING STEEL SHALL BE BENT AND PLACED IN ACCORDANCE WITH THE "CODE OF STANDARD PRACTICE AND THE SPECIFICATIONS FOR PLACING REINFORCING STEEL" OF THE CONCRETE REINFORCING STEEL INSTITUTE.

**ABBREVIATIONS**

A.B.	ANCHOR BOLT	GA.	GAUGE
BLK.	BLOCKING	HORIZ.	HORIZONTAL
BLK.	BLOCK	LLV.	LONG LEG VERTICAL
BM.	BEAM	LLH.	LONG LEG HORIZONTAL
B.N.	BOUNDARY NAIL	MAX.	MAXIMUM
BTM.	BOTTOM	MINK.	MINIMUM
CLR.	CLEAR	M.B.	MACHINE BOLT
CONC.	CONCRETE MASONRY	NTS.	NOT TO SCALE
COL.	COLUMN	OPP.	OPPOSITE
C.J.	CEILING JOIST	R.J.	ROOF JOIST
CONN.	CONNECTION	R.B.	ROOF BEAM
CONT.	CENTRISINK	REF.	REFERENCE
C TO C	COUNTERSINK	P.R.T.	PREFAB ROOF TRUSSES
DBL.	DOUBLE	REINF.	REINFORCING STEEL
DIAM.	DIAMETER	SEL. STR.	SELECT STRUCTURAL
D.F.	DOUGLAS FIR	SITC.	SHEATHING
DRWGS.	DRAWINGS	STAG.	STAGGER
EA.	EACH	STD.	STANDARD
ELEV.	ELEVATION	STL.	STEEL
FLG.	FLANGE	TYP.	TYPICAL
FL.	FLOOR	TOP	TOP
FIN.	FINISH	T.O.S.	TOP OF SHEATHING
F.J.	FLOOR JOISTS	T.S.	TUBE SECTION
FORM.	FACE OF MASONRY	U.A.O.	UNLESS OTHERWISE NOTED
POS.	FACE OF STUD	W or WF.	WIDE FLANGE SHAPE
FOC.	FACE OF CONCRETE	WO.	WITH OUT
HD.	HEIGHT	VERT.	VERTICAL



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PLUMBING NOTES

1. SCOPE OF WORK: FURNISH AND INSTALL ALL FIXTURES & PIPING SHOWN ON THE PLUMBING AND ARCHITECTURAL DRAWINGS AND DESCRIBED IN THESE NOTES AND THE BOOK SPECIFICATIONS...

2. EXAMINATION OF SITE AND CONTRACT DOCUMENTS. EACH BIDDER SHALL, AT ITS SOLE COST AND EXPENSE, INSPECT THE SITE OF THE PROPOSED WORK TO BECOME FULLY ACQUAINTED WITH CONDITIONS RELATING TO THE WORK AND TO FULLY UNDERSTAND THE FACILITIES...

3. INTERPRETATION OF DRAWINGS, SPECIFICATIONS OR CONTRACT DOCUMENTS. IF ANY BIDDER IS IN DOUBT AS TO THE TRUE MEANING OF ANY PART OF THE DRAWINGS, THE SPECIFICATIONS OR OTHER PORTIONS OF THE CONTRACT DOCUMENTS...

4. DIMENSIONS. ALL DIMENSIONS SHALL HAVE PREFERENCE OVER SCALE. ALL DIMENSIONS SHALL BE VERIFIED IN THE FIELD. ENGINEER SHALL BE NOTIFIED OF ANY DISCREPANCIES BETWEEN ARCHITECTURAL AND ENGINEERING DRAWINGS BEFORE PROCEEDING WITH WORK...

5. CODES AND STANDARDS: ALL WORK SHALL COMPLY WITH THE REQUIREMENTS OF THE 2016 CALIFORNIA PLUMBING CODE, THE 2016 CALIFORNIA MECHANICAL CODE, THE 2016 CALIFORNIA BUILDING CODE...

6. SUBMITTALS REQUIRED: PRIOR TO ORDERING FIXTURES AND MATERIALS, CONTRACTOR SHALL FURNISH SUBMITTALS OF ALL FIXTURES AND MATERIALS PROPOSED FOR USE IN THIS PROJECT...

7. CONSTRUCTION OBSERVATION: IN ADDITION TO THE REQUIREMENT FOR OBTAINING INSPECTIONS BY THE LOCAL JURISDICTION, CONTRACTOR SHALL NOTIFY ENGINEER AT APPROPRIATE TIMES DURING THE CONSTRUCTION PROCESS...

8. UNDERGROUND ALERT: CALL 811 BEFORE YOU DIG OR VISIT CALIFORNIA811.ORG TO REQUEST A TICKET ONLINE.

DO NOT START ANY EXCAVATION JOB WITHOUT FIRST OBTAINING A POSITIVE RESPONSE FROM SOCGAS THAT YOUR LOCATE AND MARK REQUEST HAS BEEN ADDRESSED.

BEFORE LAYING OUT PIPING AND PERFORMING TRENCHING, CONTRACTOR SHALL DETERMINE LOCATIONS OF EXISTING UNDERGROUND UTILITIES. CONTACT 'DIG ALERT / UNDERGROUND SERVICE ALERT OF SOUTHERN CALIFORNIA'...

9. TRENCHING: MATERIAL SHALL BE EXCAVATED FROM TRENCHES AND PILED ADJACENT TO THE TRENCH. MATERIAL SHALL BE PILED IN SUCH A MANNER THAT WILL CAUSE A MINIMUM OF INCONVENIENCE TO PUBLIC TRAVEL. ALL ROCK, BOULDERS, AND STONES SHALL BE REMOVED TO PROVIDE A MINIMUM CLEARANCE OF SIX (6) INCHES UNDER AND AROUND PIPES...

TRENCHING FOR SEWERS AND DRAINS SHALL BE OF SUFFICIENT WIDTH TO PERMIT PROPER JOINTING OF THE PIPE AND BACKFILLING OF MATERIAL ALONG THE SIDES OF THE PIPE. TRENCH WIDTH AT THE SURFACE OF THE GROUND SHALL BE KEPT TO THE MINIMUM AMOUNT NECESSARY TO INSTALL THE PIPE IN A SAFE MANNER...

WHERE THE TRENCH BOTTOM IS IN A MATERIAL WHICH IS UNSUITABLE FOR FOUNDATION OR WHICH WILL MAKE IT DIFFICULT TO OBTAIN UNIFORM BEARING FOR THE PIPE, SUCH MATERIAL SHALL BE REMOVED AND A STABLE FOUNDATION PROVIDED. THIS SHALL INCLUDE THE PREPARATION OF THE NATIVE TRENCH BOTTOM AND/OR THE TOP OF THE FOUNDATION MATERIAL TO A UNIFORM GRADE...

10. BACKFILL: CONTRACTOR SHALL COMPLETE BEDDING AND THEN BACKFILL TO 6 INCHES OVER THE TOP OF THE PIPE WITH SAND BEFORE STARTING BACKFILLING OPERATIONS. TAKE ALL PRECAUTIONS NECESSARY TO PROTECT THE PIPE FROM DAMAGE, MOVEMENT AND SHIFTING...

THE METHOD OF COMPACTION SHALL BE AT CONTRACTOR'S OPTION, UNLESS EXCAVATION PERMIT REQUIRES A SPECIFIC TYPE OF EQUIPMENT. CONTRACTOR SHALL BE RESPONSIBLE TO PROVIDE THE PROPER SIZE AND TYPE OF COMPACTION EQUIPMENT AND SELECT THE PROPER METHOD OF UTILIZING SAID EQUIPMENT TO ATTAIN THE REQUIRED COMPACTION DENSITY...

WHERE BACKFILL IS REQUIRED TO BE COMPACTED TO A SPECIFIED DENSITY, TESTS FOR COMPLIANCE SHALL BE PERFORMED IN ACCORDANCE WITH THE REQUIREMENTS OF THE GOVERNING AUTHORITY. ALLOW TESTING SERVICE TO INSPECT AND APPROVE EACH SUBGRADE AND FILL LAYER BEFORE FURTHER FILL, BACKFILL OR CONSTRUCTION WORK IS PERFORMED.

11. PIPING LOCATIONS: PIPING LOCATIONS SHOWN ARE DIAGRAMMATIC ONLY. CONTRACTOR SHALL VERIFY LOCATIONS OF ALL LATERAL STUBS, OFFSETS, OBSTRUCTIONS, ETC REQUIRED IN THE FIELD. THE ACTUAL LOCATIONS OF LINES, CLEANOUTS AND CONNECTIONS MAY VARY PROVIDED THAT COMPLETE SYSTEMS ARE SIZED AND INSTALLED IN COMPLIANCE WITH CODES...

12. WASTE AND VENT PIPING: ALL DRAINS, VENTS, FITTINGS, AND THE BUILDING DRAIN SHALL BE US - MANUFACTURED CAST IRON PIPING. THE BUILDING SEWER (BEYOND 5 FEET OF FOUNDATION) SHALL BE US - MANUFACTURED ABS DWV SCH. 40 PIPE MEETING THE REQUIREMENTS OF ASTM D3995...

13. SITE SEWER PIPING SHALL BE US - MANUFACTURED ABS DWV SCH. 40 PIPE MEETING THE REQUIREMENTS OF ASTM D-3965. EXTENSIONS TO SERVE CLEANOUTS TO GRADE SHALL BE CAST IRON. ALL LINES SHALL BE SLOPED @ 1/4" PER FOOT...

14. WATER PIPING: ALL UNDERGROUND SITE PIPING SHALL BE U.S. MANUFACTURED SCHEDULE 80 PVC. ALL ABOVEGROUND PIPING SHALL BE U.S. MANUFACTURED TYPE "L" HARD COPPER WITH (NON-LEAD) SOLDER SWEAT JOINTS. TRANSITIONS FROM PVC TO ABOVE GROUND COPPER SHALL BE MADE WITH U.S. MANUFACTURED TYPE "K" SOFT COPPER...

15. CLEANOUTS: CLEANOUTS TO GRADE SHALL BE J.R. SMITH 4253S OR EQUAL WITH BRONZE PLUG AND NON-SKID COVER WITH LIFTING DEVICE SET FLUSH WITH SURFACE FOR PAVED AREAS. NON-TRAFFIC OR NON-SURFACED AREAS SHALL BE INSTALLED WITH CAST IRON CLEANOUT RISERS...

16. PIPING SUPPORT: ALL PIPING SHALL BE SUPPORTED IN ACCORDANCE WITH THE REQUIREMENTS OF THE 2016 CALIFORNIA PLUMBING CODE. HORIZONTAL WATER PIPES AND CONDENSATE DRAINS SHALL BE HUNG WITH SUPERSTRUT C-727-F ADJUSTABLE FELT-LINED PIPE HANGERS...

17. TESTING: ALL PIPING AND FIXTURES INSTALLED SHALL BE TESTED IN ACCORDANCE WITH THE REQUIREMENTS OF THE 2016 CALIFORNIA PLUMBING CODE AND THE LOCAL JURISDICTION.

18. CORRECTION OF WORK: THE CONTRACTOR SHALL PROMPTLY CORRECT ALL WORK THE SCHOOL DISTRICT FINDS DEFECTIVE OR FAILING TO CONFORM TO THE CONTRACT DOCUMENTS. THE CONTRACTOR SHALL BEAR ALL COSTS REQUIRED BY THE CONTRACT DOCUMENTS...

19. WARRANTY: THE CONTRACTOR SHALL WARRANT THAT ALL SYSTEMS, SUBSYSTEMS, AND COMPONENT PARTS ARE FULLY FREE FROM DEFECTIVE DESIGN, MATERIALS, AND WORKMANSHIP FOR A PERIOD OF ONE YEAR FROM THE DATE OF FINAL ACCEPTANCE BY THE SCHOOL DISTRICT.

20. AS-BUILT DRAWINGS SHALL BE GIVEN TO THE SCHOOL DISTRICT PRIOR TO ACCEPTANCE OF THE PROJECT.

21. CLEANUP: CONTRACTOR SHALL THOROUGHLY CLEAN ENTIRE JOBSITE EVERY DAY OF ALL DEBRIS ASSOCIATED WITH PLUMBING INSTALLATION.

22. COORDINATION: CONTRACTOR SHALL COORDINATE WITH THE SCHOOL DISTRICT'S PROJECT MANAGER AND ALL RELATED TRADES.

23. CUTTING AND PATCHING: WORK INCLUDES CUTTING AND PATCHING (TO MATCH EXISTING) ALL SURFACES AND SYSTEMS DISTURBED BY THE PLUMBING WORK.

24. TEST & VIDEO NEW SEWER MAIN AFTER SOIL COMPACTION TO VERIFY NO BELLIES EXIST. RUN APPROX 2 GALLON/MIN WHILE VIDEOING THE ENTIRE MAIN SEWER. REVIEW VIDEO W/ INSPECTOR & ENGINEER. REINSTALL PIPE AT ANY LOCATION WHERE STANDING WATER OCCURS.

25. POT-HOLE EXISTING UTILITIES AT BEGINNING OF PROJECT. PROVIDE LOCATION, SIZE, & INVERT ON AS-BUILTS. VERIFY AVAILABLE INVERT FOR SEWER DRAINAGE.

- 26. DISINFECTATION OF DOMESTIC WATER PIPING SYSTEM: A. PRIOR TO STARTING WORK, VERIFY SYSTEM IS COMPLETE, FLUSHED AND CLEAN. B. ENSURE PH OF WATER TO BE TREATED IS BETWEEN 7.4 AND 7.6 BY ADDING ALKALI (CAUSTIC SODA OR SODA ASH) OR ACID (HYDROCHLORIC). C. INJECT DISINFECTANT FREE CHLORINE IN LIQUID, POWDER, TABLET OR GAS FORM, THROUGHOUT SYSTEM TO OBTAIN 50 TO 80 mg/L RESIDUAL. D. BLEED WATER FROM OUTLETS TO ENSURE DISTRIBUTION AND TEST FOR DISINFECTANT RESIDUAL AT MINIMUM 15 PERCENT OF OUTLETS. E. MAINTAIN DISINFECTANT IN SYSTEM FOR 24 HOURS. F. IF FINAL DISINFECTANT RESIDUAL TESTS LESS THAN 25 mg/L, REPEAT TREATMENT. G. FLUSH DISINFECTANT FROM SYSTEM UNTIL RESIDUAL EQUAL TO THAT OF INCOMING WATER OR 1.0 mg/L. H. TAKE SAMPLES NO SOONER THAN 24 HOURS AFTER FLUSHING, FROM 10 PERCENT OF OUTLETS AND FROM WATER ENTRY AND ANALYZE IN ACCORDANCE WITH AWWA C651. I. PRIOR TO PLACING DOMESTIC WATER SYSTEM IN SERVICE FOR HUMAN CONSUMPTION, THE PLUMBING CONTRACTOR SHALL PROVIDE PROMPTLY TO THE OWNER AND ENGINEER THE WRITTEN TEST RESULTS.

NOTES:

- 1. BEFORE COMMENCING WORK, INDEPENDENTLY VERIFY OR DETERMINE THE PRESENCE OF EXISTING BURIED PIPELINES, CONDUITS AND STRUCTURES AND DETERMINE THE EXACT LOCATION INCLUDING DEPTHS OF ALL SUCH FACILITIES WHICH MAY AFFECT OR BE AFFECTED BY CONSTRUCTION. THIS WILL REQUIRE INVESTIGATION, POT HOLING AND SURVEYING. PROVIDE RESULTS OF THIS INVESTIGATION AND SURVEY TO OWNERS REPRESENTATIVE FOR REVIEW BEFORE WORK IS COMMENCED. ALLOW FIVE (5) WORKING DAYS FOR REVIEW. 2. IN ANY CASE, UPON BECOMING AWARE OF EXISTING BURIED PIPELINES, CONDUITS OR STRUCTURES NOT SHOWN OR LOCATED DIFFERENTLY THAN SHOWN ON THE DRAWING AND WHICH MAY AFFECT OR BE AFFECTED BY CONSTRUCTION, IMMEDIATELY NOTIFY THE OWNER'S REPRESENTATIVE BY TELEPHONE AND IN WRITING. 3. VERIFY ALL CONNECTION SIZES. 4. CUT AND PATCH FINISHED SURFACES AS REQUIRED. 5. REPAIR ANY DAMAGED (E) PIPING. DO NOT COVER UNTIL RECEIVING POSITIVE APPROVAL FROM INSPECTOR.

PLUMBING SCHEDULE:

- SOV 1 SHUT-OFF VALVE, NIBCO S-685-80-LF, 1/2" THRU 2", BRONZE BALL VALVE, FULL PORT, SOLDER END, BRASS BALL VALVE, FULL PORT. DF 1 DRINKING FOUNTAIN, MOST DEPENDABLE FOUNTAINS MODEL 10145-18 SM, BOTTLE FILLING STATION / BI-LEVEL DRINKING FOUNTAIN, W/ REMOTE CHILLER, COLOR BY ARCHITECT. SEE ARCHITECT FOR ADA HEIGHT INSTALLATION. INCLUDE OPTIONAL TEMPLATE FOR VANDAL RESISTANT ANCHORAGE TO SLAB. INSTALL STUDDOR MINI-VENT WITHIN UNIT. ELECTRICAL REQUIREMENTS: 115VAC, 4.5 AMPS. HB 1 HYDRANT WITH VACUUM BREAKER & QUICK COUPLER, NIBCO, WATTS, OR EQUAL WITH LOOSE KEY.

ABBREVIATIONS

Table with 2 columns: ABBR., ABBREVIATIONS. Rows include: ABBR., ABOVE; APPROX., APPROXIMATELY; AFF., ABOVE FINISHED FLOOR; BLDG., BUILDING; BLW., BELOW; BOT., BOTTOM; CD., CEILING DIFFUSER; CFM., CUBIC FEET PER MINUTE; CL., CENTERLINE; CLG., CEILING; COND., CONDENSATE; CONT., CONTINUED; DIA., DIAMETER; DWN., DOWN; DS., DOWN SPOUT; DWG., DRAWING; (E), EXISTING; EA., EACH; ELEV., ELEVATION; ELEC., ELECTRIC; EQ., EQUIPMENT; EQUIP., EQUIPMENT; FIN., FINISHED; FLR., FLOOR; FRM., FROM; G., GAS; GPM., GALLONS PER MINUTE; MAX., MAXIMUM; MIN., MINIMUM; MPG., MEDIUM PRESSURE GAS; (N), NEW; OC., ON CENTER; POC., POINT OF CONNECTION; RD., ROOF DRAIN; RO., ROOF OVERFLOW; SHT., SHEET; SOV., SHUT-OFF VALVE; TYP., TYPICAL; UGND., UNDERGROUND; UNDR., UNDER; VTR., VENT TO ROOF; WCO., WALL CLEAN-OUT; YB., YARD BOX.

LINE LEGEND

Table with 2 columns: Line style, Description. Rows include: Solid line, COLD WATER; Dashed line, (E) COLD WATER; Dotted line, (E) GAS; Long dashed line, WASTE OR SEWER; Short dashed line, (E) WASTE OR SEWER.

SYMBOL LEGEND

Table with 2 columns: Symbol, Description. Rows include: Square with diagonal line, CLEAN-OUT TO GRADE IN YARD BOX; Circle with diagonal line, CLEAN-OUT TO GRADE; Circle with 'POC', POINT OF CONNECTION; T-shaped symbol, TEE; Triangle with diagonal line, SHUT OFF VALVE.

IMPORTANT NOTICE

ALL UTILITY LOCATIONS ARE APPROXIMATE. CONTRACTOR IS TO NOTIFY UNDERGROUND SERVICE ALERT TWO WORKING DAYS PRIOR TO STARTING ANY EXCAVATION OR RESURFACING. CONTACT 811 OR callform811.org



CONTACT 811 AT LEAST TWO DAYS BEFORE YOU DIG UNDERGROUND SERVICE ALERT OF SOUTHERN CALIFORNIA

IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT APPROX 1309880 AC, PLS, SS, DATE OCT 03 2019



Table with 2 columns: ARCHITECT, LAND SURVEYOR, CIVIL, MECHANICAL, ELECTRICAL, PLUMBING. Rows include: ARCHITECT: VENTURA PBK Architects, Inc. 2751 Parkview Ct, Suite 251, Ventura, CA 93008. LAND SURVEYOR: DSI VIA CALIFORNIA, BURT BOG, CARMEL, CA 95018. CIVIL: THE WADE ENGINEERS, VENTURA, CA 93001. MECHANICAL: AE GROUP MECHANICAL ENGINEERS, INC., VENTURA, CA 93001. ELECTRICAL: CORTI COSTE MORGADO RAY, CARMEL, CA 95018. PLUMBING: AE GROUP MECHANICAL ENGINEERS, INC., VENTURA, CA 93001.

NEW PORTABLE CLASSROOM BUILDING CAPE COMETS logo 777 Allen Street Camarillo, CA 93010

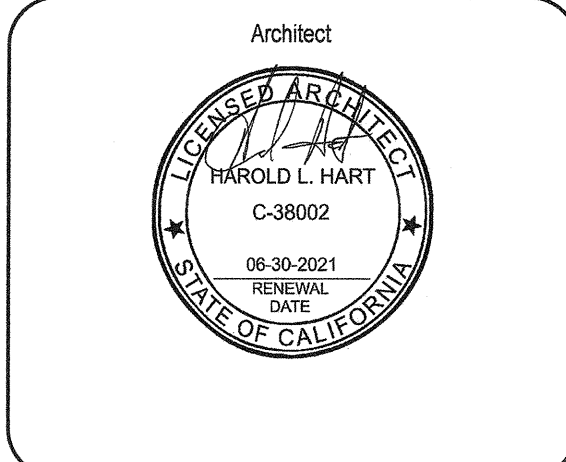
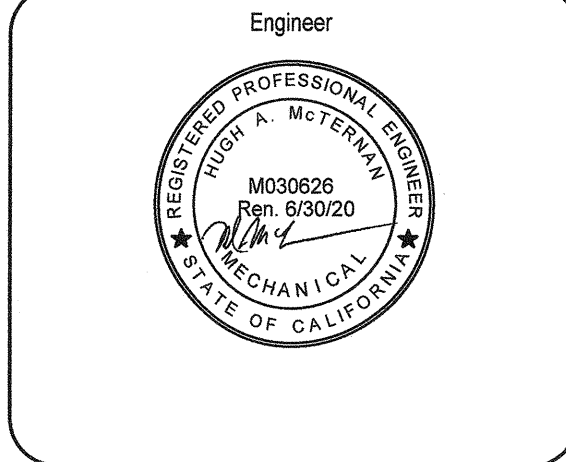
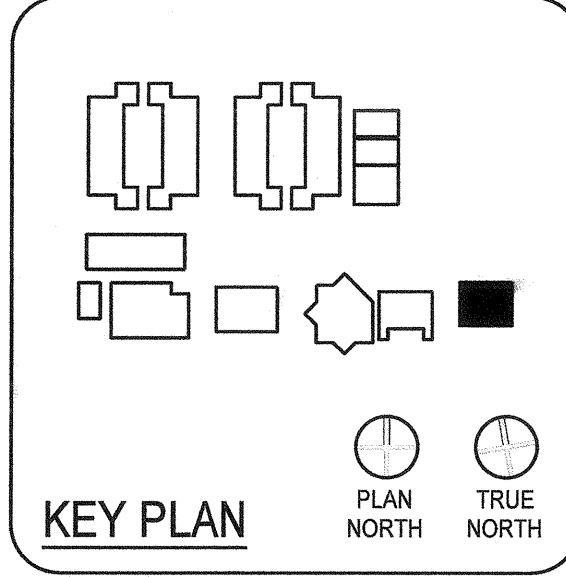


Table with 3 columns: No., Description, Date. Header row: No., Description, Date. Content rows: REVISIONS table with empty rows.

PLUMBING NOTES & SCHEDULES

AE Group Mechanical Engineers, Inc. 838 East Front Street, Ventura, California 93001 (805) 653-1722 FAX: (805) 653-7260 hugh@aesgroupme.com

P0.00

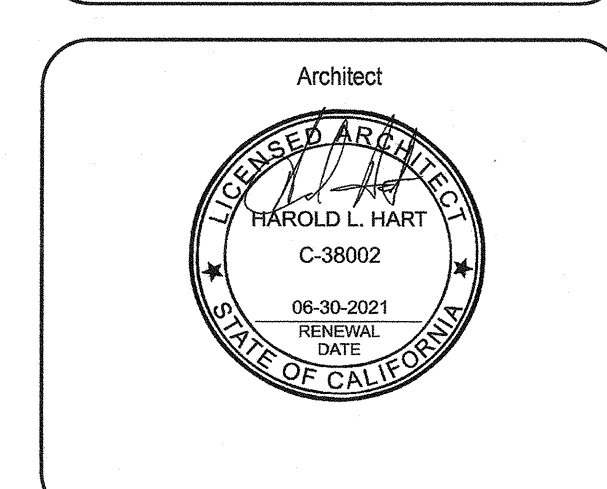
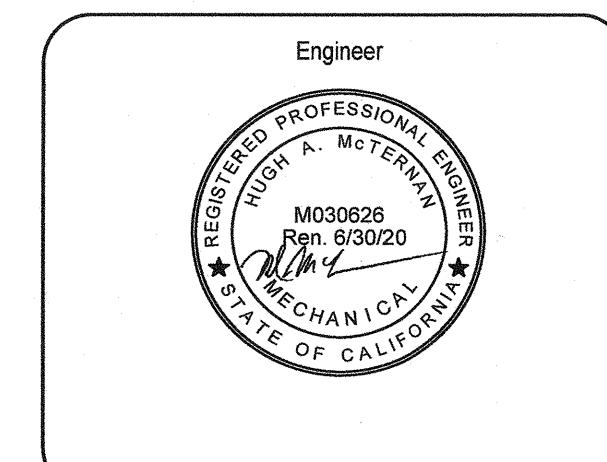
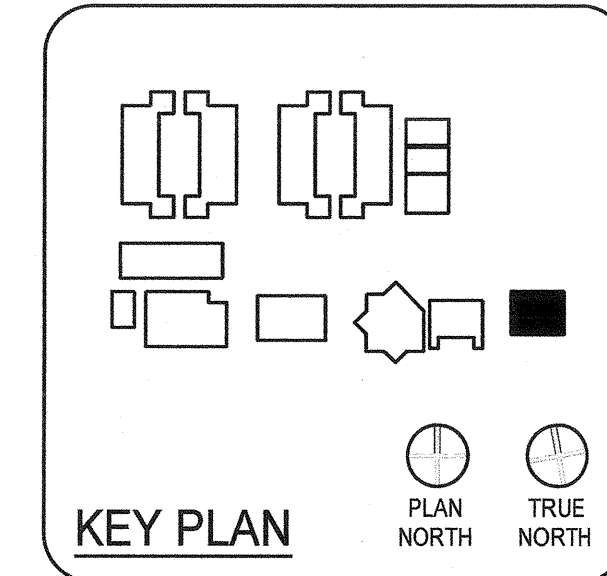
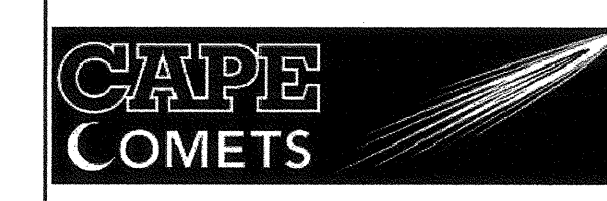
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IDENTIFICATION STAMP  
DIV. OF THE STATE ARCHITECT  
APPROX 1 2 0 2 8 0  
AC W FL S L SS EX  
DATE OCT 0 3 2019



ARCHITECT PBK Architects, Inc.  
VENTURA  
2751 Parkview Ct, Suite 251  
Oxnard, CA 93026  
805-947-3200 P  
805-853-4514 F  
LAND SURVEYOR  
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CARMELITE, CA 93907  
805-853-1500 F  
CIVIL  
1421 S MAIN STREET  
VENTURA, CA 93001  
805-853-1500 F  
MECHANICAL  
518 EAST FRONT STREET  
VENTURA, CA 93001  
805-853-1500 F  
ELECTRICAL  
3291 CORTE SAN PABLO #401  
CARMELITE, CA 93907  
805-853-1500 F  
PLUMBING  
518 EAST FRONT STREET  
VENTURA, CA 93001  
805-853-1500 F  
NEW PORTABLE CLASSROOM BUILDING  
777 Alleen Street  
Carmelito, Ca 93010



CLIENT  
CAPE CHARTER SCHOOL  
PROJECT NUMBER  
13172/AZ219  
DATE  
10-03-2019

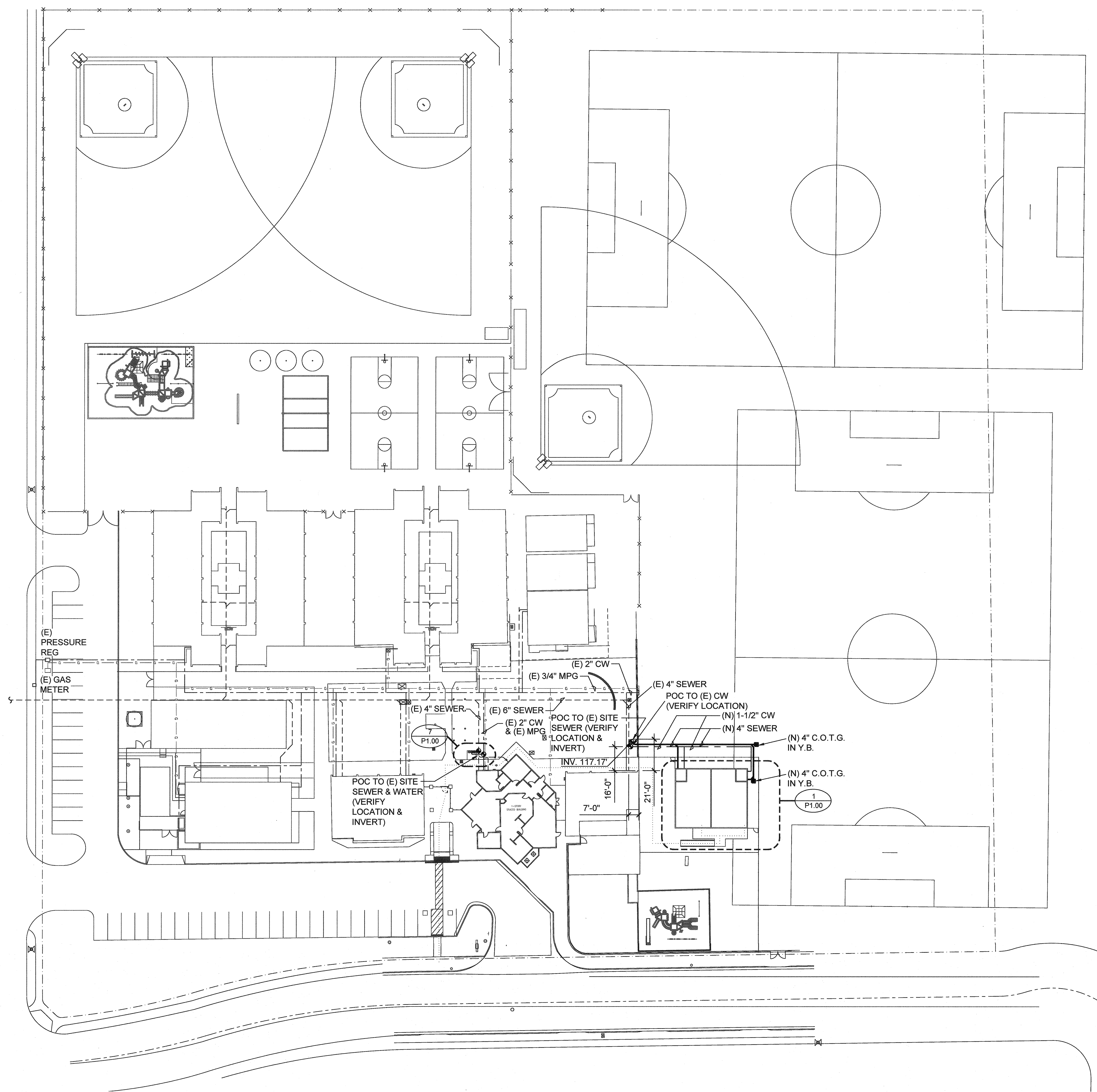
REVISIONS	No.	Description	Date

PLUMBING  
SITE PLAN

P0.01

LINE LEGEND

---	(N) COLD WATER
---	(E) COLD WATER
---	(E) GAS
---	(N) WASTE OR SEWER
---	(E) WASTE OR SEWER
+	POINT OF CONNECTION



CHECKED BY: HM  
DRAWN BY: JS/TP

AE Group  
Mechanical Engineers, Inc.  
838 East Front Street  
Ventura, California 93001  
(805) 653-1722 FAX: (805) 653-7260  
hugh@aegroupme.com

IDENTIFICATION STAMP  
 DIV. OF THE STATE ARCHITECT  
 APPR. 120280  
 AC. W. FLS. / S.S. / S.P.  
 DATE: OCT 11 2018

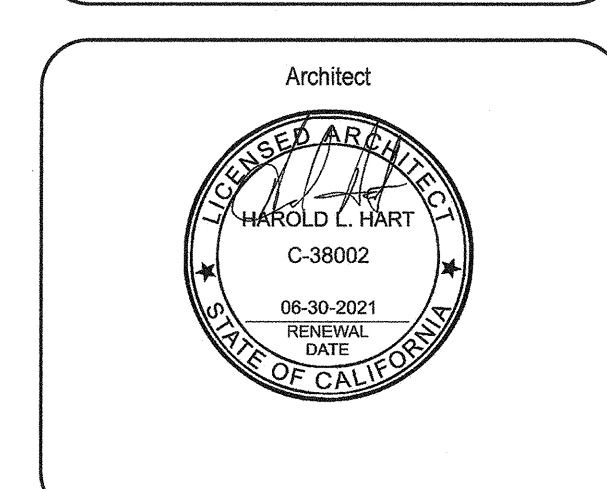
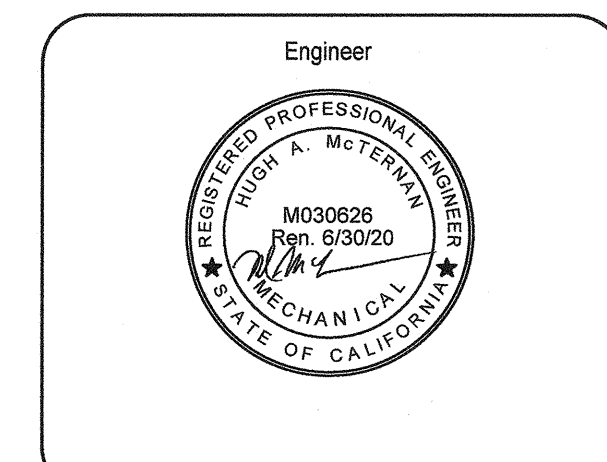
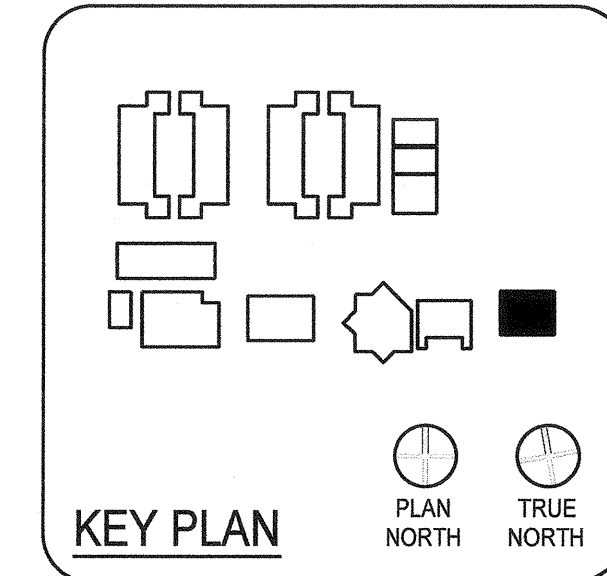


ARCHITECT	PBK Architects, Inc.
VENTURA	PBK.com
2751 Parkview Ct, Suite 251	
Orland, CA 93928	
805-847-3200 P	
805-853-4514 F	
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62114 ALONDA, SUITE 609	
CAMARILLO, CA 93022	
805-462-2922 P	805-462-2922 F
CIVIL	LEWIS ENGINEERING
11615 MARSH STREET	
VENTURA, CA 93021	
805-847-3200 P	805-847-3200 F
MECHANICAL	AE GROUP MECHANICAL ENGINEERS, INC.
134 EAST FRONT STREET	
VENTURA, CA 93021	
805-653-1722 P	805-653-1722 F
ELECTRICAL	LUCCI & ASSOCIATES
1301 COMTE MALPASO BLVD	
CAMARILLO, CA 93012	
805-462-2922 P	805-462-2922 F
PLUMBING	AE GROUP MECHANICAL ENGINEERS, INC.
134 EAST FRONT STREET	
VENTURA, CA 93021	
805-653-1722 P	805-653-1722 F

NEW PORTABLE CLASSROOM BUILDING

CAPE COMETS

777 Alleen Street  
 Camarillo, CA 93010

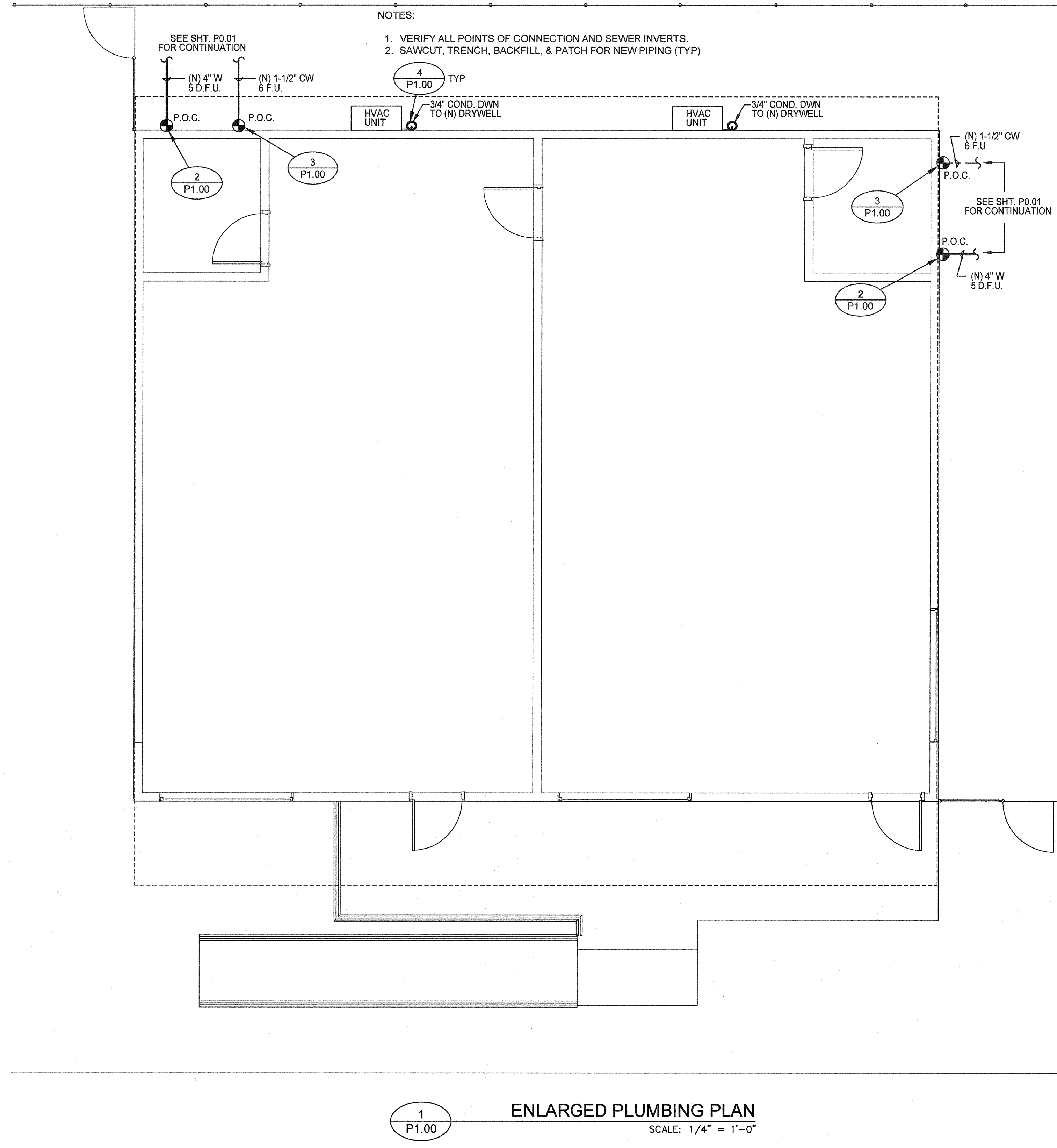
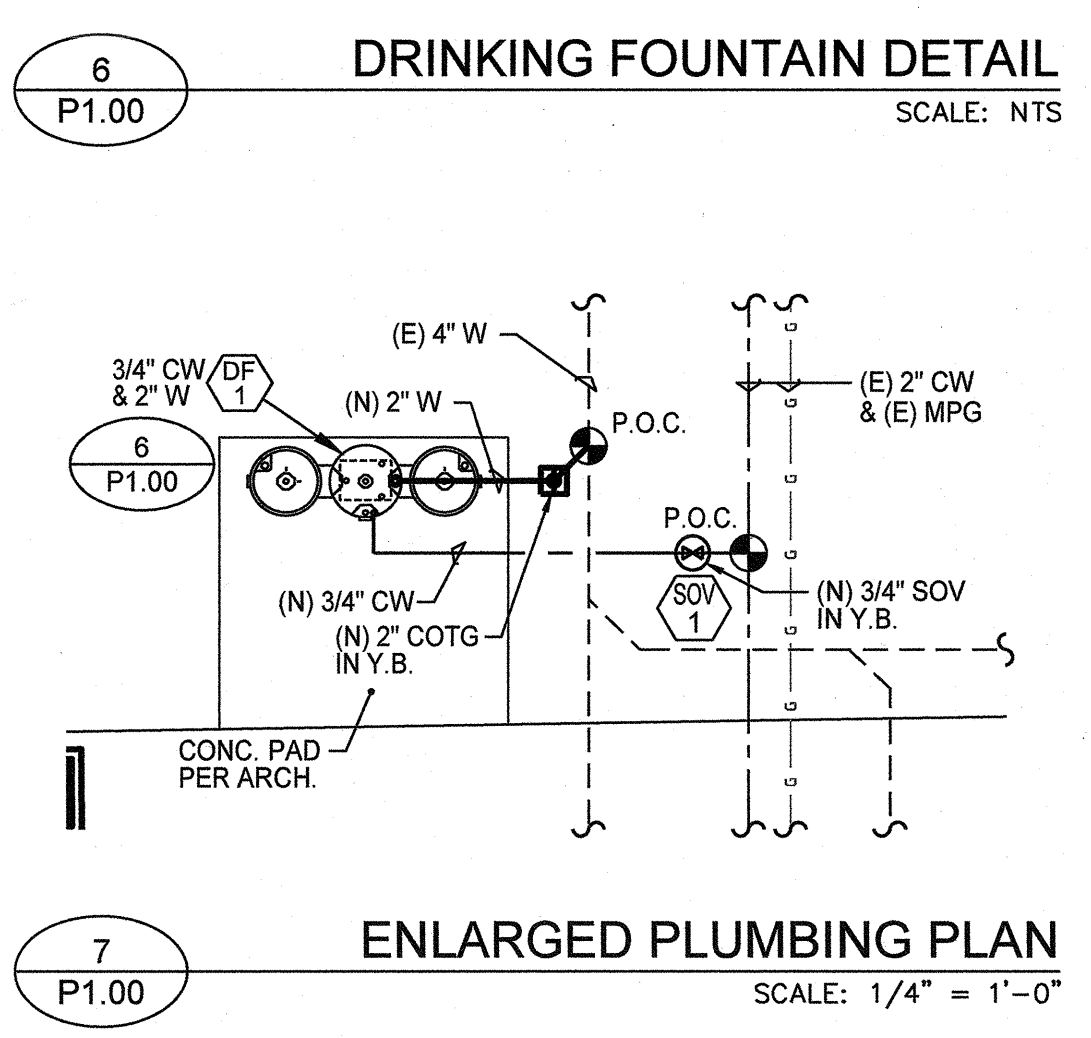
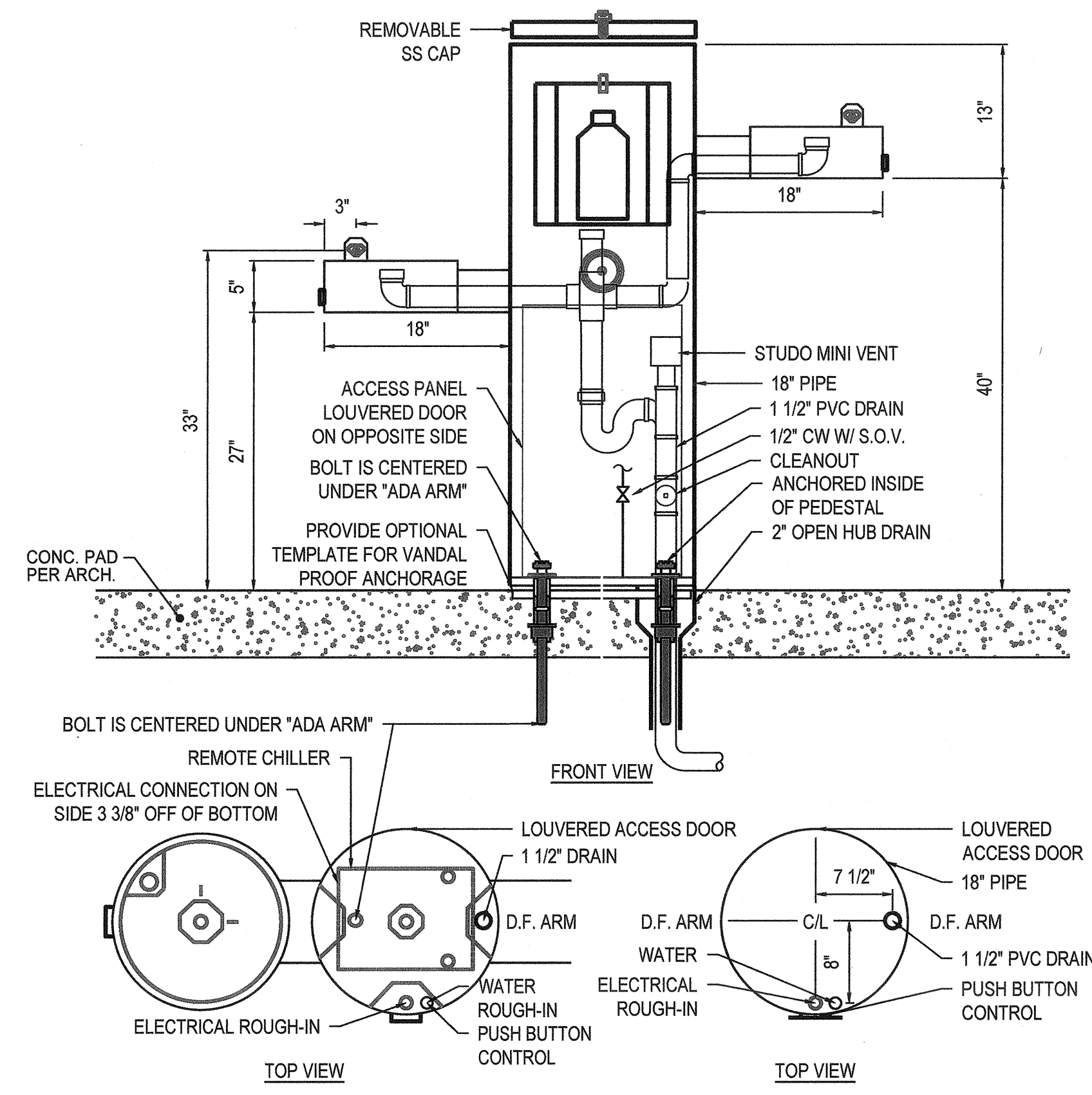
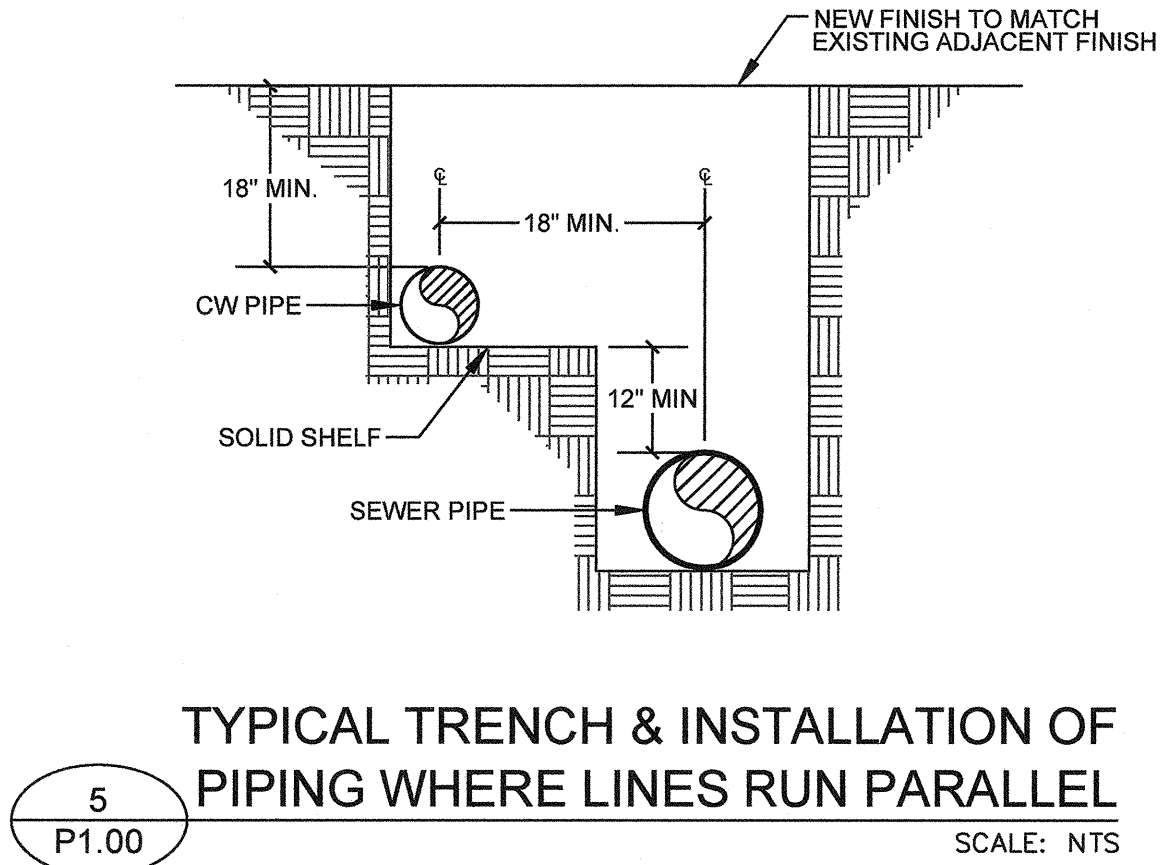
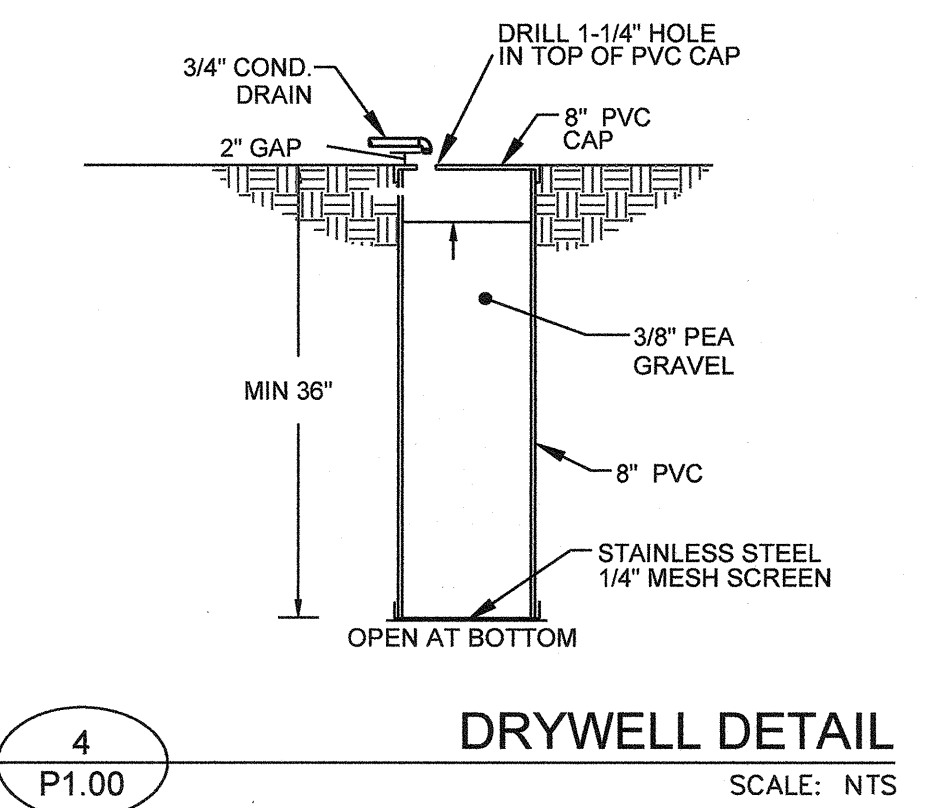
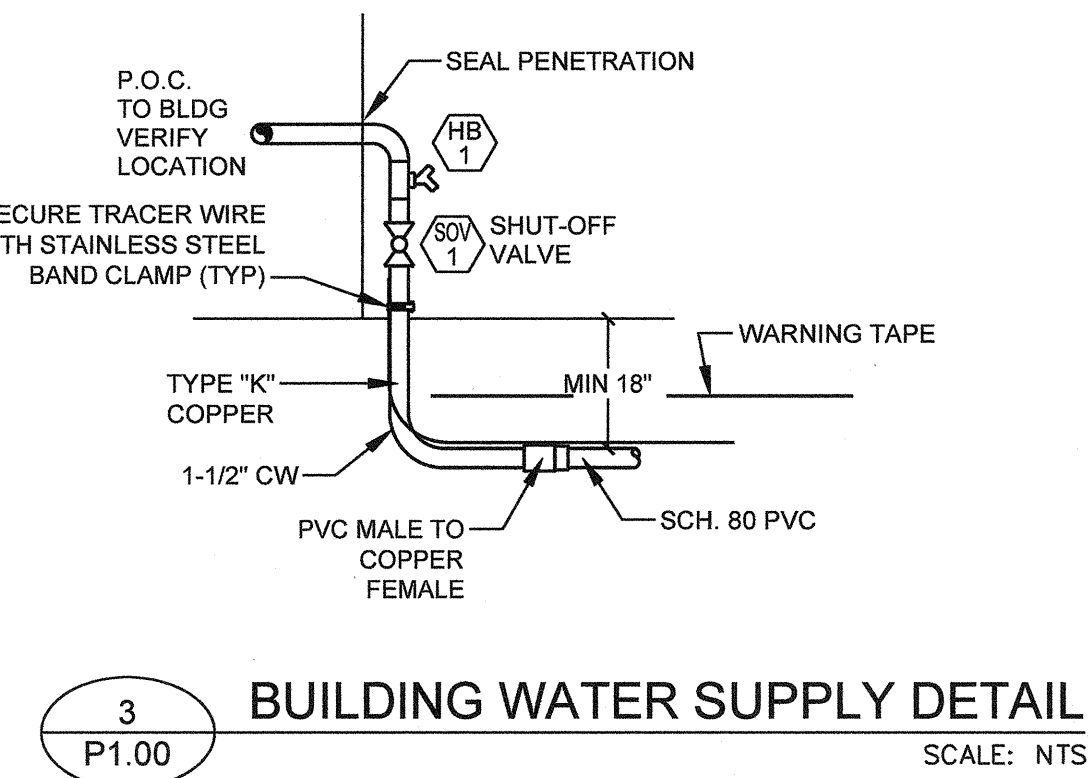
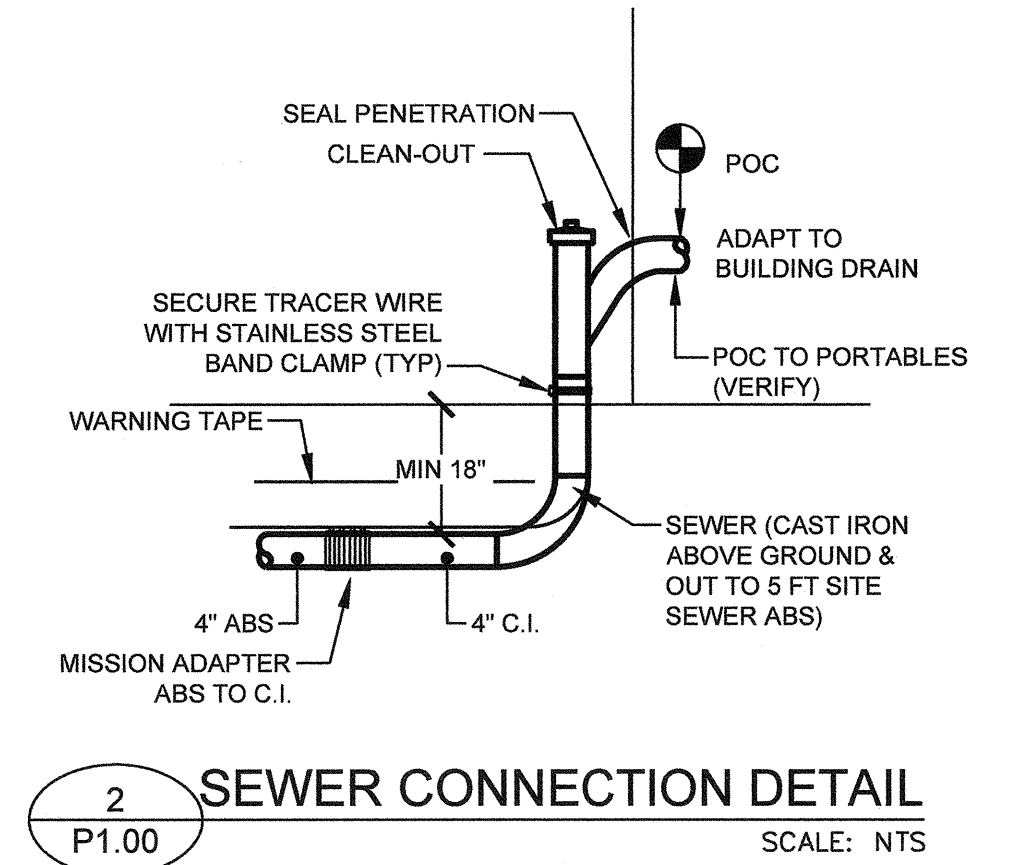


CLIENT		
CAPE CHARTER SCHOOL		
PROJECT NUMBER		
1917/AE2019		
DATE	10-03-2019	
REVISIONS	No.	Description
		Date

**ENLARGED PLUMBING PLAN & DETAILS**

**P1.00**

LINE LEGEND	
---	(N) COLD WATER
- - - - -	(E) COLD WATER
- · - · - · -	(E) GAS
— · — · — · —	(N) WASTE OR SEWER
- - - - -	(E) WASTE OR SEWER
●	POINT OF CONNECTION



CHECKED BY: HM  
 DRAWN BY: JS/TP

**AE Group**  
 Mechanical Engineers, Inc.  
 839 East Front Street  
 Ventura, California 93001  
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 hugh@ae-groupme.com

**BUILDING CODES AND STANDARDS**

2016 CALIFORNIA ADMINISTRATIVE CODE (CAC), PART 1, TITLE 24, CCR  
2016 CALIFORNIA BUILDING CODE (CBC), PART 2, TITLE 24, CCR  
(2015 INTERNATIONAL BUILDING CODE, VOLUMES 1 & 2 AND 2016 CA AMENDMENTS)  
2016 CALIFORNIA ELECTRICAL CODE (CEC), PART 3, TITLE 24, CCR  
(2014 NATIONAL ELECTRICAL CODE AND 2016 CA AMENDMENTS)  
2016 CALIFORNIA MECHANICAL CODE (CMC), PART 4, TITLE 24, CCR  
(2015 IAPMO UNIFORM MECHANICAL CODE AND 2016 CA AMENDMENTS)  
2016 CALIFORNIA PLUMBING CODE (CPC), PART 5, TITLE 24, CCR  
(2015 IAPMO UNIFORM PLUMBING CODE AND 2016 CA AMENDMENTS)  
2016 CALIFORNIA ENERGY CODE (CEC), PART 6, TITLE 24, CCR  
(2015 INTERNATIONAL FIRE CODE AND 2016 CA AMENDMENTS)  
2016 CALIFORNIA FIRE CODE (FC), PART 9, TITLE 24, CCR  
(2015 INTERNATIONAL FIRE CODE AND 2016 CA AMENDMENTS)  
2016 CALIFORNIA GREEN BUILDING STANDARD CODE (CALGREEN), PART 11, TITLE 24, CCR  
2016 CALIFORNIA REFERENCED STANDARDS CODE, PART 12, TITLE 24, CCR  
TITLE 19 CCR, PUBLIC SAFETY, STATE FIRE MARSHALL REGULATIONS  
2013 ASME A17.1/CSA B44-13 SAFETY CODE FOR ELEVATORS AND ESCALATORS

**APPLICABLE STANDARDS**

2016 NFPA 13, INSTALLATION OF SPRINKLER SYSTEMS (CALIFORNIA AMENDMENTS)  
2013 NFPA 14, INSTALLATION OF STANDPIPE AND HOSE SYSTEMS  
2013 NFPA 17, DRY CHEMICAL EXTINGUISHING SYSTEMS  
2013 NFPA 17A, WET CHEMICAL EXTINGUISHING SYSTEMS  
2016 NFPA 20, INSTALLATION OF STATIONARY PUMPS FOR FIRE PROTECTION  
2013 NFPA 22, WATER TANKS FOR PRIVATE FIRE PROTECTION  
2016 NFPA 24, INSTALLATION OF PRIVATE FIRE SERVICE MAINS AND THEIR APPURTENANCES  
2013 NFPA 25, INSPECTION, TESTING, MAINTENANCE OF WATER-BASED FIRE PROTECTION SYSTEMS (CALIFORNIA AMENDMENTS)  
2016 NFPA 72, NATIONAL FIRE ALARM CODE (CALIFORNIA AMENDMENTS)  
2016 NFPA 80, STANDARD FOR FIRE DOORS AND OTHER OPENING PROTECTIVE DEVICES  
2015 NFPA 2001, CLEAN AGENT FIRE EXTINGUISHING SYSTEMS

FOR A COMPLETE LIST OF APPLICABLE STANDARDS REFER TO 2016 CBC (SFM) CHAPTER 35 AND CALIFORNIA FIRE CODE CHAPTER 80

**ABBREVIATIONS**

AB: Anchor Bolt  
AC: Air Conditioning, Alternating Current  
ADA: Americans with Disabilities Act of 1992  
ADD: Addendum; Addition  
ADDL: Additional  
ADJ: Adjust, Adjustable, Adjacent  
AFF: Above Finished Floor  
AFG: Above Finish Grade  
AIA: American Institute of Architects  
ALT: Alternate, Alternation; Altitude  
ALUM: Aluminum  
AMP: Ampere, Ampacity  
AMT: Amount  
ANCH: Anchor, Anchorage  
ANOD: Anodized  
APPROX: Approximate  
APPROV: Approved  
ARCH: Architect, Architectural  
ASCC: Above Suspended Ceiling  
ASCE: American Society of Civil Engineers  
ASME: American Society of Mechanical Engineers  
ASSOC: Association, Associate  
ASTM: American Society for Testing and Materials  
AUT: Automatic  
AVG: Average  
BD: Board  
BEL: Below  
BTW: Between  
BRK: Breaker  
BLDG: Building  
BLK: Block  
BLKG: Blocking  
BLM: Beam  
BOT: Bottom  
BPR: Base Plate  
BRKR: Breaker  
BS: Both Sides  
BTU: British Thermal Units  
BTUH: British Thermal Units per Hour  
C/C: Center to Center  
CAB: Cabinet  
CHAN: Channel  
CI: Cast Iron  
CIR: Circle, Circular, Circuit  
CJ: Control Joint  
CL: Centerline  
CLR: Clear  
CNTR: Center, Counter  
CO: Cleanout, Conduit  
COL: Column  
CONC: Concrete  
CONN: Connection  
CONSTR: Construction  
CONT: Continuous, Continue, Control  
CR: Cold Rolled Steel  
D: Deep, Depth  
DBL: Double  
DET: Detail  
DFT: Douglas Fir  
DIM: Dimension  
DISL: Disposal  
DISP: Dispenser  
DN: Down  
DWG: Drawing  
SWG: Drawings  
E: East  
(E): Existing  
EA: Each  
EXP: Expansion Joint  
EL: Elevation, Elevator  
ELEV: Elevation, Elevator  
ELEV: Elevator, Elevation  
EN: End Nail  
EPO: Ethylene Propylene Diene Monomer  
EQ: Equal  
EXT: Exterior  
T&B: Top and Bottom  
TAG: Tongue & Groove  
TEMP: Temporary, Tempered, Temperature  
THK: Thick, Thickness  
THRU: Through  
TN: Toe Nail  
TPO: Thermoplastic Olefin  
TST: Top of Steel  
TST/AT: Thermostat  
TYP: Typical  
UL: Underwriters' Laboratories  
UNC: Unless Noted Otherwise  
UNL: Unless Otherwise Noted  
USG: United States Gypsum Company  
V: Volt  
VERT: Vertical  
VTR: Vent Through Roof  
W: West, Width, Wide, Watt  
W/0: Without  
WB: Wood  
WP: Waterproof, Weatherproof  
WR: Water Resistant, Water Repellent  
WT: Weight

IF: Inside Diameter  
IN: Inch  
INFO: Information  
INT: Interior  
INV: Invert  
J-BOX: Junction Box  
JT: Joint  
KW: Kilowatt  
L: Length  
LB: Pound (weight), Lag Bolt  
LH: Left Hand  
LL: Live Load  
LT: Light  
LWC: Light Weight Concrete  
MAX: Maximum  
MECH: Mechanical  
MFG: Manufacturer  
MFR: Manufacturer, Manufacturing  
ML: One Thousandth of an inch  
MIN: Minimum  
MIR: Mirror  
MISC: Miscellaneous  
MOD: Module  
MT: Mount, Mounted  
MTR: Material, Metal  
(N): None  
NEC: National Electrical Code  
NIC: Not in Contract  
NTS: Not to Scale  
O/O: Outside to Outside  
OC: On Center  
OD: Outside Diameter  
OH: Overhang  
OPNG: Opening  
OPP: Opposite  
PC: Piece, Pts-Checked  
PH: Phase  
PL: Plate  
PLY: Plywood  
PLUMB: Plumbing  
PREFAB: Prefabricated  
PSF: Pounds per square foot  
PSI: Pounds per square inch  
PT: Pressure Tread  
PVC: Polyvinyl Chloride  
QTY: Quantity  
RCP: Reflected Ceiling Plan  
REBAR: Reinforcing Bar  
RECEPT: Receptacle  
REF: Refer, Reference, Refrigerator  
REQ: Require, Required  
REV: Reverse, Revisa, Revision  
RF: Roof  
RGR: Rough  
RH: Right Hand  
RO: Rough Opening  
RT: Right  
S: South  
S/S: Side By Side  
SF: Square Foot, Square Feet  
SHT: Sheet  
SHHG: Sheathing  
SIM: Similar  
SLV: Sleeve  
SPEC: Specification, Specifications  
SQ: Square  
SS: Stainless Steel  
ST: Steel Tube  
STD: Standard  
STIFF: Stiffener  
STL: Steel  
STRUC: Structural  
TAB: Tab  
TEMP: Temporary, Tempered, Temperature  
THK: Thick, Thickness  
THRU: Through  
TN: Toe Nail  
TPO: Thermoplastic Olefin  
TST: Top of Steel  
TST/AT: Thermostat  
TYP: Typical  
UL: Underwriters' Laboratories  
UNC: Unless Noted Otherwise  
UNL: Unless Otherwise Noted  
USG: United States Gypsum Company  
V: Volt  
VERT: Vertical  
VTR: Vent Through Roof  
W: West, Width, Wide, Watt  
W/0: Without  
WB: Wood  
WP: Waterproof, Weatherproof  
WR: Water Resistant, Water Repellent  
WT: Weight



**MANUFACTURED RELOCATABLE MODULAR BUILDINGS**  
**PC 02-116677 (FORMERLY 02-112217)**  
**24'X40' THRU 120'X40'**  
**2016 CBC**

**OPERATIONS & MAINTENANCE:**  
BUILDING MANUFACTURE SHALL LEAVE FOR THE BUILDING OWNER AT OCCUPANCY OPERATING INFORMATION FOR ALL APPLICABLE MECHANICAL AND ELECTRICAL FEATURES, MATERIALS, COMPONENTS AND DEVICES INSTALLED IN THE BUILDING RELATED TO EFFICIENT ENERGY USE. IN ADDITION, THE BUILDING MANUFACTURER SHALL LEAVE MAINTENANCE INFORMATION FOR ALL FEATURES, MATERIALS, COMPONENTS, AND MANUFACTURED DEVICES THAT REQUIRE ROUTINE MAINTENANCE FOR EFFICIENT OPERATION OF MECHANICAL EQUIPMENT AND LIGHTING SYSTEM

**CAL GREEN NOTES**

THIS PC WILL NOT BE PLACED IN ANY OF THE FOLLOWING LOCATIONS:

- WITHIN THE 65 CNEL NOISE CONTOUR OF AN AIRPORT
- WITHIN THE 65 CNEL OR LDN NOISE CONTOUR OF A FREEWAY, EXPRESSWAY, RAILROAD OR INDUSTRIAL SOURCE GUIDE WAY
- WHERE EXPOSED TO NOISE LEVEL OF 65 DB LEO-1-HR DURING ANY HOUR OF OPERATIONS

**DRAWING SYMBOLS**

- \* 2"x4" WOOD STUD OR 3/8" STEEL STUD
- \* 2"x6" WOOD STUD OR 5.5" STEEL STUD
- \* 2"x8" WOOD STUD OR 8" STEEL STUD
- 1 HR RATED (DARK LINE THROUGH SYMBOL)
- INDICATES DOOR TYPE
- INDICATES WINDOW TYPE
- KEY NOTE SYMBOL
- INDICATES INTERIOR ELEVATION ORIENTATION
- INDICATES DETAIL #
- INDICATES SHEET #
- INDICATES DETAIL #
- INDICATES SHEET #
- INDICATES EXTERIOR ELEVATION #
- INDICATES SHEET #
- 5'-0" CLEAR FLOOR SPACE FOR WHEELCHAIR ACCESSIBLE MANEUVERING WITH 12" MIN. ENCROACHMENT
- 48"x30" CLEAR FLOOR SPACE FOR WHEELCHAIR ACCESS TO FIXTURE
- 60"x60" CLEAR FLOOR SPACE FOR WHEELCHAIR ENTRY ACCESS.
- 60"x59" AT FLOOR MOUNTED WATER CLOSET
- 60"x56" AT WALL MOUNTED WATER CLOSET
- INDICATES ROOM NAME
- INDICATES ROOM NUMBER
- WHEELCHAIR ACCESSIBLE CLEAR FLOOR SPACE AT ACCESSIBLE WATER CLOSET
- 60"x59" AT FLOOR MOUNTED WATER CLOSET
- 60"x56" AT WALL MOUNTED WATER CLOSET
- GRID LINE NUMBER OR LETTER

ARCHITECTURAL		DRAWING INDEX	
A0.0	TITLE SHEET	S0.0	STRUCTURAL NOTES AND SPECIFICATIONS
A0.1	SPECIFICATIONS AND NOTES	S0.0E	STRUCTURAL NOTES AND SPECIFICATIONS
A0.2	CONSTRUCTION MATERIALS AND SPECIFICATIONS	S0.1	BUILDING SECTIONS PLYWOOD FLOOR
A0.3	FINISH, DOOR & WINDOW SCHEDULES	S0.2	BUILDING SECTIONS CONCRETE FLOOR
A0.4	SIGNAGE SPECIFICATIONS AND ACCESSIBILITY	S0.3	TYPICAL STRUCTURAL DETAILS
A0.5	MULTIPLE FLOOR PLANS 60'x40'-120'x40'	S1.0	FLOOR FRAMING DETAILS-PLYWOOD & CONCRETE
A0.6	CAL GREEN REQUIREMENTS	S1.1	FLOOR FRAMING PLAN-PLYWOOD
A0.7	STC CONSTRUCTION DETAILS (INTERIOR WALLS)	S1.2	FLOOR FRAMING PLAN-CONCRETE
A0.8	DSA DOCUMENTS	S2.0	ROOF FRAMING DETAILS
A1.1	FLOOR PLAN 24'x40'	S2.1	ROOF TRUSS AND DETAILS
A1.2	FLOOR PLAN 36'x40'	S2.2	ROOF FRAMING PLAN-PLYWOOD SHEATHING
A1.3	FLOOR PLAN 48'x40'	S2.3	ROOF FRAMING PLAN-22 GA
A2.0	REFLECTED CEILING DETAILS	S3.0	WALL FRAMING DETAILS-WOOD STUD
A2.1	REFLECTED CEILING PLAN 24'x40'	S3.1	WALL FRAMING DETAILS-STEEL STUD
A2.2	REFLECTED CEILING PLAN 36'x40'	S3.2	WALL FRAMING ELEVATIONS
A2.3	REFLECTED CEILING PLAN 48'x40'	S4.0	ALLOWABLE BEAM AND HEADER PENETRATION
A3.1	ROOF DETAILS-22 GA METAL	M0.0	MECHANICAL SCHEDULES AND NOTES
A3.2	ROOF PLAN-MONO & DUAL-SLOPE-22 GA METAL	M0.1	MECHANICAL DETAILS
A3.3	ROOF DETAILS-28 GA METAL	M1.1	MECHANICAL PLAN WALL MOUNT 24'x40'
A3.4	ROOF PLAN MONO & DUAL-SLOPE-28 GA METAL	M1.2	MECHANICAL PLAN WALL MOUNT 36'x40'
A3.5	ROOF DETAILS TPO	M1.3	MECHANICAL PLAN WALL MOUNT 48'x40'
A3.6	ROOF PLAN-MONO & DUAL-SLOPE TPO	M2.1	MECHANICAL ROOF PLAN 24'x40'
A3.7A	SOLAR READY ROOF PLANS 24'x40', 36'x40' & 48'x40'	M2.2	MECHANICAL PLAN ROOF MOUNT 24'x40'
A3.7B	SOLAR READY ROOF PLANS 60'x40', 72'x40' & 84'x40'	M2.3	MECHANICAL PLAN ROOF MOUNT 36'x40'
A3.7C	SOLAR READY ROOF PLANS 96'x40', 108'x40' & 120'x40'	M2.4	MECHANICAL PLAN ROOF MOUNT 48'x40'
A3.7D	SOLAR READY ROOF PLANS 120'x40' & 120'x40'	M2.5	MECHANICAL PLAN ROOF MOUNT 48'x40'
A4.1	INTERIOR ELEVATIONS 24'x40'	M3.0	TITLE 24 REPORTS 1 OF 9
A4.2	INTERIOR ELEVATIONS 36'x40'	M3.1	TITLE 24 REPORTS 2 OF 9
A4.3	INTERIOR ELEVATIONS 48'x40'	M3.2	TITLE 24 REPORTS 3 OF 9
A4.4	INTERIOR ELEVATIONS 48'x40'	M3.3	TITLE 24 REPORTS 4 OF 9
A5.1	EXTERIOR ELEVATIONS 24'x40'-WOOD SIDING OPTION 'A' (RIGHT HAND)	M3.4	TITLE 24 REPORTS 5 OF 9
A5.2	EXTERIOR ELEVATIONS 24'x40'-WOOD SIDING OPTION 'B' (LEFT HAND)	M3.5	TITLE 24 REPORTS 6 OF 9
A5.3	EXTERIOR ELEVATIONS 36'x40'-WOOD SIDING	M3.6	TITLE 24 REPORTS 7 OF 9
A5.4	EXTERIOR ELEVATIONS 48'x40'-WOOD SIDING	M3.7	TITLE 24 REPORTS 8 OF 9
A5.4-A	EXTERIOR ELEVATIONS 24'x40'-STUCCO OPTION OPTION 'A' (RIGHT HAND)	M3.8	TITLE 24 REPORTS 9 OF 9
A5.4-B	EXTERIOR ELEVATIONS 24'x40'-STUCCO OPTION OPTION 'B' (LEFT HAND)		
A5.5	EXTERIOR ELEVATIONS 36'x40'-STUCCO OPTION		
A5.6	EXTERIOR ELEVATIONS 48'x40'-STUCCO OPTION		
A8.0	ARCHITECTURAL DETAILS WOOD STUD OPTION	E0.0	ELECTRICAL DETAILS
A8.1	ARCHITECTURAL DETAILS	E1.0	ELECTRICAL PLAN 24'x40' (WALL MOUNTED HVAC)
A8.2	SHEET METAL AND FLASHING DETAILS	E1.0SR	ELECTRICAL PLAN 24'x40' (WALL MOUNTED HVAC) SOLAR READY
A8.3	ARCHITECTURAL DETAILS-METAL STUD OPTION	E1.1	ELECTRICAL PLAN 24'x40' (ROOF MOUNTED HVAC)
A9.0	FIRE RATED ASSEMBLIES	E1.1SR	ELECTRICAL PLAN 24'x40' (ROOF MOUNTED HVAC) SOLAR READY
A9.1	FIRE RATED DETAILS	E2.0	ELECTRICAL PLAN 36'x40' (WALL MOUNTED HVAC)
A10.0	RESTROOM ACCESSORIES SCHEDULE & DETAILS	E2.0SR	ELECTRICAL PLAN 36'x40' (WALL MOUNTED HVAC) SOLAR READY
A10.1	RESTROOM ACCESSIBILITY DETAILS	E2.1	ELECTRICAL PLAN 36'x40' (ROOF MOUNTED HVAC)
A11.0	SOLUTUBE OPTION AT TPO ROOF	E2.1SR	ELECTRICAL PLAN 36'x40' (ROOF MOUNTED HVAC) SOLAR READY
A12.0	24'x40' RESTROOM OPTION & ACCESSORY PLAN	E3.0	ELECTRICAL PLAN 48'x40' (WALL MOUNTED HVAC)
A12.1	36'x40' RESTROOM OPTION & ACCESSORY PLAN	E3.0SR	ELECTRICAL PLAN 48'x40' (WALL MOUNTED HVAC) SOLAR READY
A12.2	48'x40' RESTROOM OPTION & ACCESSORY PLAN	E3.1	ELECTRICAL PLAN 48'x40' (ROOF MOUNTED HVAC)
A12.3	48'x40' RESTROOM OPTION & ACCESSORY PLAN	E3.1SR	ELECTRICAL PLAN 48'x40' (ROOF MOUNTED HVAC) SOLAR READY
F0.0	FOUNDATION	E4.00L	DATUM ZONE FLOOR PLANS 24'x40'
F0.1	WOOD PAD FOUNDATION DETAILS	E4.10L	DATUM ZONE FLOOR PLANS 60'x40'
F1.0	WOOD PAD FOUNDATION PLAN-PLYWOOD FLOOR		
F1.1	WOOD PAD FOUNDATION PLAN-CONCRETE FLOOR		
F1.2	WOOD PAD FOUNDATION PLAN-CONCRETE FLOOR		
F2.0	ABOVE GRADE CONCRETE FOUNDATION DETAILS		
F2.1	ABOVE GRADE CONCRETE FOUNDATION PLAN		
F3.0	FLASH TO GRADE-CONCRETE FOUNDATION DETAILS		
F3.1	FLASH TO GRADE-CONCRETE FOUNDATION PLAN		
P0.0	PLUMBING		
P1.0	PLUMBING SCHEDULE AND DETAILS		
P1.6	PLUMBING PLAN 24'x40'		
P2.0	PLUMBING PLAN 36'x40'		
P3.0	PLUMBING PLAN 48'x40'		
R0.0	RAMP, LANDING AND STAIR		
R1.0	RAMP & LANDING DETAILS		
R1.6	RAMP & LANDING PLAN (ATTACHED HANDRAIL)		
R2.0	RAMP & LANDING PLAN (FREE STANDING HANDRAIL)		
R3.0	RAMP & LANDING PLAN (OFFSET RAMP)		
R4.0	RAMP & LANDING PLAN (COMMON LANDING)		
R5.0	STAIR & LANDING PLAN & DETAILS		
TOTAL SHEET COUNT: 118			

**DESIGN PARAMETERS**

FLOOR LIVE LOAD: 50 PSF, 50+15 PSF, 100 PSF & 125 PSF  
ROOF LIVE LOAD: 20 PSF  
GROUND SNOW LOAD MAXIMUM: 31 PSF FULLY EXPOSED, 28 PARTIALLY EXPOSED, 26 PSF SHELTERED  
ROOF SNOW LOAD: 20 PSF MAX (ASCE 7-10 SEC 7.4)  
Ce=0.9 FULLY EXPOSED, 1.0 PARTIALLY EXPOSED, 1.1 SHELTERED  
I=1.0  
Ct=1.0  
RAMP LIVE LOAD: 100 PSF  
NOTE: THE MAX RAMP HANDRAIL DESIGN ON THIS PC IS 34" A.F.F. THE MAX DECK HEIGHT ON THIS PC IS 28".  
FLOOD HAZARD AREA: NO  
WIND DESIGN: (ASCE 7-10)  
Kzt=1.0  
WIND SPEED=110 MPH  
EXPOSURE=C  
DIRECTIONAL PROCEDURE  
COMPONENTS & CLADDING DESIGN BY PC ENGINEER OF RECORD  
DESIGN ROOF DEAD LOAD: 15 PSF (BEAMS AND TRUSSES) INCLUDES 3.0 PSF FOR ROOF MOUNTED SOLAR PANELS  
DESIGN FLOOR DEAD LOAD:  
PLYWOOD FLOOR = 8 PSF (+15 W/ PARTITIONS),  
CONCRETE DECK = 31 PSF (+15 W/ PARTITIONS)  
EARTHQUAKE DESIGN DATA:  
1. I=1.0 RISK CATEGORY=II  
2. Se=2.8571 MAPPED VALUE (BASED ON 0.7xSe PER CBC 1616A.1.1.2)  
3. Ss=1.389 MAX MAPPED VALUE  
4. Sd=1.333, So=1.389 (So IS BASED ON CBC 1616A.1.1.2)  
5. SEISMIC DESIGN CATEGORY=E  
6. LIGHT MODULAR STEEL MOMENT FRAME PER CBC SECTION 2212A  
7. DESIGN BASE SHEAR=8542# (FOR 24' X 40' BUILDING)  
8. Cs=0.381  
9. R=3.5  
10. EQUIVALENT LATERAL FORCE PROCEDURE  
11. NO VERTICAL OR HORIZONTAL IRREGULARITIES  
CLIMATE ZONE: THIS PC IS APPROVED FOR THE 2016 CALIFORNIA ENERGY CODE IN ALL CALIFORNIA CLIMATE ZONES  
GEHAZARD REPORTS: THE DESIGN ARCHITECT IN GENERAL RESPONSIBLE CHARGE MUST VERIFY THAT THE GEHAZARD REPORT IDENTIFIES NO SITE RELATED GEOLOGIC HAZARDS WHICH WOULD PRECLUDE THE USE OF THE PROPOSED PC DESIGN AT THE SITE INCLUDING BUT NOT LIMITED TO LIQUIFICATION POTENTIAL, LANDSLIDE, FLOODING, EARTHQUAKE FAULT, ETC.  
TYPE OF CONSTRUCTION: V-B BUILDING AREAS: 24'x40'-060-SF, 36'x40'-1,440-SF, 48'x40'-1,920-SF, 60'x40'-2,400-SF, 72'x40'-2,880-SF, 84'x40'-3,360-SF, 96'x40'-3,840-SF, 108'x40'-4,320-SF, 120'x40'-4,800-SF  
OCCUPANCY: E  
NO. OF STORES: 1  
ALLOWABLE AREA: 9,500 SF  
MODULES: 12'x40'  
STRUCTURAL DESIGN: ORDINARY MOMENT FRAME WITH CLEAR SPAN TRUSS  
FOUNDATION: WOOD PAD: 50, 50+15, 100 & 125 PSF - ABOVE GRADE CONCRETE: 50, 50+15, 100 & 125 PSF - FLASH TO GRADE CONCRETE: 50, 50+15, 100 & 125 PSF  
SEISMIC SEPARATION: 4 1/2" MIN FROM OTHER EXISTING OR FUTURE BUILDINGS MEASURED FROM ITS FARTHEST PROJECTION  
THIS PC (OR BLDG) IS DESIGNED STRUCTURALLY TO SUPPORT THE WEIGHT OF A FIRE SPRINKLER SYSTEM  
ALLOWABLE SOIL BEARING: WOOD FOUNDATION: SEE SHEET 50.06  
CONCRETE FOUNDATION: SEE SHEET 50.06  
FIRE LIFE SAFETY  
ALLOWABLE USES: THIS PC (OR BLDG) IS NOT APPROVED FOR 'A' OCCUPANCY  
AUTOMATIC FIRE SPRINKLER SYSTEM: NOT REQUIRED  / REQUIRED   
(WHEN APPLICABLE) AUTOMATIC FIRE SPRINKLER SYSTEMS ARE PERMITTED TO BE HYDRAULICALLY CALCULATED, PER NFPA 13, TO MEET THE WATER SUPPLY AVAILABLE AT EACH SITE. PLANS FOR SUCH SYSTEMS MAY BE SUBMITTED AS A PLAN REVIEW SUBMITTAL, AND MAY NOT BE REVIEWED UTILIZING THE "OVER THE COUNTER" PROCESS. A COMPLETE AUTOMATIC FIRE SPRINKLER SYSTEM SUBMITTAL PACKAGE MUST BE PROVIDED AT THE TIME OF THE PLAN REVIEW SUBMITTAL.  
THE ARCHITECT OF RECORD (DESIGNER) OR THE DIVISION OF THE STATE ARCHITECT WILL DETERMINE THE USE OF A FIRE SUPPRESSION SYSTEM UNLESS REQUIRED OTHERWISE BY THE TYPE OF CONSTRUCTION LISTED ON THE BUILDING DATA.  
ALL GROUP 'E' OCCUPANCY BUILDING GREATER THAN 12,000 SF SHALL BE FIRE SPRINKLED PER SECTION 903.2.3.1  
EXTERIOR PROJECTIONS ARE TO BE FIRE PROTECTED UNLESS PROJECTIONS COMPLY WITH SECTION 705 AND 1406  
MIN SETBACK FROM PROPERTY LINE = 10'-0". LESS THAN 10'-0" SEE TABLE 602  
EXTERIOR WALL OPENINGS TO COMPLY WITH TABLE 705.8  
IN ROOMS OR AREAS WITH SPECIAL HAZARDS SUCH AS LABORATORIES, VOCATIONAL SHOPS AND OTHER SUCH AREAS WHERE HAZARDOUS MATERIALS IN EXCESS AMOUNTS ARE USED OR STORED SHALL BE FIRE SPRINKLED PER SECTION 903.2.3.3.  
PERMANENT PORTABLE BUILDINGS: A PORTABLE BUILDING THAT IS USED TO SERVE OR HOUSE STUDENTS AND IS CERTIFIED, AS A PERMANENT PORTABLE BUILDING ON A NEW PUBLIC SCHOOL CAMPUS BY THE PUBLIC SCHOOL ADMINISTRATION SHALL COMPLY WITH THE REQUIREMENTS OF SECTION 903.2.3  
NOTES  
A PROJECT INSPECTOR EMPLOYED BY THE DISTRICT (OWNER), AND APPROVED BY THE DIVISION OF THE STATE ARCHITECT SHALL PROVIDE CONTINUOUS INSPECTION OF THE WORK. THE DUTIES OF THE INSPECTOR ARE DEFINED IN SECTION 4-333 AND 4-342, PART 1, TITLE 24, CCR, CLASS R.B.I.P. FOR IN-PLAN INSPECTIONS.  
SITE SPECIFIC:  
COMPLY WITH CFC CHAPTERS 5 & 14, CBC CHAPTERS 3, 5, 7, 7A, 11B & 14  
NOTE: THIS PC IS NOT APPROVED FOR CHAPTER 7A WILDLAND URBAN AREAS"

PROJECT SPECIFIC STATE AGENCY APPROVAL

IDENTIFICATION STAMP  
DIV. OF THE STATE ARCHITECT  
APPROX 120980  
AC: N. FLS. / S.S.  
DATE: OCT. 13, 2016

**GLOBAL MODULAR Incorporated**  
AURORA MODTECH DESIGN  
CONTRACTORS LICENSE #837357

NORTHERN CALIFORNIA DIVISION  
450 COMMERCE AVE  
ATWATER, CA 95501  
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SOUTHERN CALIFORNIA DIVISION  
1090 HARLEY KNOX BLVD  
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PROJECT NAME:  
SHEET TITLE:  
MFR. STRUCTURAL ENGINEER OF RECORD ON PC  
DATE SIGNED  
DEC 11 2018  
MFR-PROJECT SPECIFIC PROFESSIONAL OF RECORD  
ARCHITECT OF RECORD  
HAROLD L. HART  
C-38002  
06-30-2021  
RENEWAL DATE  
STATE OF CALIFORNIA  
PRE-CHECK (PC) DOCUMENT  
CODE: 2016 CBO  
A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRED  
IDENTIFICATION STAMP  
DIV. OF THE STATE ARCHITECT  
PC 02-116677  
DATE: DEC 14, 2018  
REVISIONS  
PROJECT NO.: 00-0000  
DRAWN BY: 00  
SCALE: AS NOTED  
DATE: 00-00-00  
SHEET NUMBER  
**A0.0**

**GENERAL SPECIFICATIONS**

- A. THE REQUIREMENTS OF THE GENERAL CONDITIONS APPLY TO THE SEVERAL TRADE SECTIONS WITH THE SAME FORCE AS THOUGH FULLY REPEATED IN EACH SECTION.
B. NAME BRANDS ARE INDICATED TO ESTABLISH A STANDARD OF QUALITY. ITEMS OF EQUAL OR BETTER QUALITY MAY BE SUBSTITUTED FOR THE LISTED BRAND NAMED PRODUCTS.
C. ALL WORK TO BE IN ACCORDANCE WITH THE REQUIREMENTS OF THESE REGULATIONS SHALL BE KEPT ON THE JOB SITE AT ALL TIMES. THESE REGULATIONS SHALL BE KEPT ON THE JOB SITE AT ALL TIMES. ALSO REFER TO THE DIVISION OF THE STATE ARCHITECT - STRUCTURAL SAFETY SECTION "INTERPRETATIONS OF REGULATIONS" SEE ESPECIALLY IR 16-1.16. THESE STRUCTURES ARE DESIGNED PER THE MODIFIED REQUIREMENTS TEMPORARY FOUNDATIONS (UNO). CHANGES IN PLANS AND SPECIFICATIONS SHALL BE MADE BY THE ARCHITECT AND APPROVED BY THE DIVISION OF THE STATE ARCHITECT BEFORE ANY RELATED WORK CAN BEGIN. CONSTRUCTION CHANGES PER T24 SHALL ALSO BE SIGNED BY THE OWNER PRIOR TO APPROVAL BY DSA.
E. SUBSTITUTIONS AFFECTING DSA REGULATED ITEMS REQUIRES A CCD.

- 1. MATERIALS AND WORKMANSHIP:
A. ALL WORK SHALL BE SKILLED AND QUALIFIED FOR THE WORK WHICH THEY PERFORM. ALL MATERIALS USED, UNLESS OTHERWISE SPECIFIED, SHALL BE NEW AND OF THE TYPES AND GRADES SPECIFIED.
B. WORKMANSHIP SHALL BE EQUAL OR BETTER IN QUALITY TO THAT REQUIRED BY THE CONSTRUCTION TRADES FOR A FINISHED PRODUCT.
C. THE CONTRACTOR SHALL CERTIFY THAT NO ASBESTOS CONTAINING BUILDING MATERIALS WHICH EXCEED STATE AND FEDERAL MANDATED SPC ASBESTOS LEVELS HAVE BEEN USED IN THE CONSTRUCTION OF RELOCATABLE FACILITIES.
D. TESTING: TESTS OF MATERIALS SHALL BE BY A PERSON OR TESTING LABORATORY SELECTED BY THE OWNER WITH THE APPROVAL OF DSA AND ARCHITECT. THE OWNER SHALL BE RESPONSIBLE FOR THE COST OF ALL REQUIRED TESTING AND INSPECTIONS, EXCEPT FOR THE RETESTING REQUIRED BY THE FAILURE OF ANY MATERIAL TO PASS.
E. ERECTION AT THE SITE: THE BUILDING SHALL BE TRANSPORTED, ERECTED AND SET ON FOUNDATION AS REQUIRED BY A LICENSED TRANSPORT. ALL REQUIRED FINISH WORK SHALL BE COMPLETED BY SKILLED LABOR OF THE MANUFACTURER/CONTRACTOR, BUT WILL NOT INCLUDE UTILITIES SERVICE CONNECTION.
F. SITE WORK: THE SCHOOL DISTRICT SHALL PROVIDE ACCESS TO THE SITE FOR THE INSTALLATION OF THE BUILDING, REMOVAL OF TREES, SHRUBS, FENCING, SPRINKLERS, ETC. NECESSARY FOR THE MOVE-IN OF BUILDINGS SHALL BE THE RESPONSIBILITY OF THE SCHOOL DISTRICT. THE OWNER, UNLESS OTHERWISE SHOWN ON THE APPROVED PLANS, WILL PROVIDE SITE(S) SATISFACTORY TO THE ARCHITECT OR ENGINEER FOR THE INSTALLATION OF THE RELOCATABLE BUILDING(S) THAT ARE LEVEL AND HAVE STABLE SOIL CONDITIONS WITH ADEQUATE SITE DRAINAGE, EXCEPT IF DESIGNATED IN THE CONTRACT DOCUMENTS AS THE RESPONSIBILITY OF THE MANUFACTURER/CONTRACTOR. IF ADDITIONAL GRADING AND/OR LEVELING IS NECESSARY FOR PROPER INSTALLATION OF MODULAR UNITS, THE ADDITIONAL CHARGE WILL BE THE RESPONSIBILITY OF THE OWNER.
G. UTILITIES: THE OWNER WILL BE RESPONSIBLE FOR ANY AND ALL UTILITY, FIRE ALARM OR SPECIAL ELECTRICAL SIGNAL SYSTEM CONNECTIONS EXCEPT IF DESIGNATED IN THE CONTRACT DOCUMENTS AS THE RESPONSIBILITY OF THE MANUFACTURER/CONTRACTOR.

- 2. SCOPE OF WORK:
A. THE WORK CONSISTS OF MANUFACTURING OFF-SITE IN A PLANT, AND INSTALLING ON-SITE, MODULAR RELOCATABLE BUILDING AS DEFINED HEREIN AND SHOWN AND DETAILED ON DRAWINGS.
B. CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIALS AND SERVICES TO PREPARE THE BUILDING ELEMENTS, TRANSPORT THEM FROM THE PLANT TO THE SITE AND TO COMPLETE THE ASSEMBLY AT THE SITE. THE CONDITION OF THE SITE SHALL BE THE RESPONSIBILITY OF THE SCHOOL DISTRICT.
D. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE SAFETY OF THE BUILDING DURING CONSTRUCTION AND SHALL PROVIDE ADEQUATE SHORING AND BRACING DURING CONSTRUCTION. CONTRACTOR SHALL COMPLY WITH APPLICABLE SAFETY REGULATIONS.

- ASSEMBLY
A. IN A LOCATION AS DETERMINED BY THE SCHOOL DISTRICT, THE CONTRACTOR SHALL PLACE CONCRETE LEVELING STRIPS OR OTHER SUITABLE SUPPORTS AS DETAILED ON THE DRAWINGS.
B. THE ELEMENTS SHALL BE BROUGHT TO THE SITE ON WHEEL ASSEMBLY AND TRANSFERRED TO THE PREPARED SITE. GREAT CARE SHALL BE TAKEN TO AVOID DAMAGE TO THE ELEMENTS BY RACKING OR BUMPING.
C. CONNECTION OF THE ELEMENTS TOGETHER SHALL BE DONE ACCORDING TO INSTRUCTIONS ON THE DRAWINGS. FLASHING, TRIM AND OTHER LOOSE ITEMS SHALL BE INSTALLED PER DETAILS ON THE DRAWINGS.

- INSPECTION
ALL REQUIREMENTS OF TITLE 19 AND 24 OF THE STATE OF CALIFORNIA CODE OF REGULATIONS (CCR) RELATING TO INSPECTIONS AND VERIFIED REPORTS SHALL BE COMPLIED WITH AND SHALL INCLUDE:
A. GENERAL RESPONSIBLE IN CHARGE OF FIELD ADMINISTRATION IS BY THE ARCHITECT OF RECORD.
B. INSPECTION OF IN-PLANT WORK DURING THE COURSE OF CONSTRUCTION BY AN INSPECTOR APPROVED BY THE DIVISION OF THE STATE ARCHITECT AND THE DISTRICT'S ARCHITECT OR OWNER. THE INSPECTOR SHALL BE RESPONSIBLE TO INSPECT THE GENERAL CONSTRUCTION, WELDING, MECHANICAL AND ELECTRICAL WORK. COST OF THESE INSPECTIONS SHALL BE BY THE SCHOOL DISTRICT OR OWNER.
C. ON SITE INSPECTION OF THE BUILDING SHALL BE PERFORMED BY AN INSPECTOR APPROVED BY THE DIVISION OF THE STATE ARCHITECT AND RETAINED BY THE SCHOOL DISTRICT OR OWNER.
D. OTHER SPECIAL TESTS OR INSPECTIONS, SUCH AS CONCRETE AND CONCRETE REINFORCEMENT PLACEMENT, MAY BE REQUIRED BY THE DIVISION OF THE STATE ARCHITECT.

- 3. WORK NOT INCLUDED:
A. ALL ON-SITE OR OFF-SITE UTILITIES AND THE CONNECTION OF THEM TO THE BUILDING UNLESS INDICATED ON THE DRAWINGS.
B. ALL LEVELING, GRADING OR OTHER SITE PREPARATION EXCEPT CONCRETE OR WOOD LEVELING STRIPS, WHERE REQUIRED, UNLESS OTHERWISE INDICATED ON THE DRAWINGS.
C. FIRE ALARM COMPONENTS ONLY, PROGRAM BELL, CLOCK, PUBLIC ADDRESS SYSTEM, INTERCOM SYSTEM, TV SYSTEM UNLESS OTHERWISE INDICATED ON THE DRAWINGS.

**GENERAL DESIGN REQUIREMENTS:**

THE CONTRACTOR SHALL COORDINATE THE WORK OF ALL TRADES AND SHALL CHECK ALL DIMENSIONS. ANY DISCREPANCIES SHALL BE CALLED TO THE ATTENTION OF THE OWNER AND BE RESOLVED BEFORE PROCEEDING WITH THE WORK.

REFER TO ARCHITECTURAL DRAWINGS FOR DIMENSIONS AND OTHER INFORMATION NOT SPECIFICALLY SHOWN ON STRUCTURAL DRAWINGS.

DIMENSIONS AND ELEVATIONS SHOWN ARE APPROXIMATE AND ARE PROVIDED AS AN AID IN INTERPRETING THE DRAWINGS ONLY. DIMENSIONS AND ELEVATIONS MUST BE VERIFIED WITH ARCHITECTURAL DRAWINGS. IN THE EVENT OF CONFLICT, DIMENSIONS AND ELEVATIONS SHOWN ON ARCHITECTURAL DRAWINGS SHALL GOVERN. DRAWING SCALES GIVEN ARE APPROXIMATE - DO NOT SCALE PLANS OR DETAILS. WHERE THESE GENERAL NOTES AND TYPICAL DETAILS ARE IN CONFLICT WITH THE SPECIFICATIONS, THESE GENERAL NOTES AND TYPICAL DETAILS SHALL GOVERN.

TYPICAL DETAILS SHALL APPLY UNLESS SHOWN OTHERWISE ON THE DRAWINGS.

DETAILS NOT SPECIFICALLY SHOWN SHALL BE SIMILAR TO DETAILS FOR SIMILAR CONSTRUCTION SHOWN ON THESE DRAWINGS.

NO STRUCTURAL MEMBERS SHALL BE CUT, NOTCHED OR OTHERWISE PENETRATED UNLESS SPECIFICALLY APPROVED BY THE STRUCTURAL ENGINEER IN ADVANCE OR SHOWN ON THESE DRAWINGS.

EACH MODULE SHALL BE PERMANENTLY IDENTIFIED WITH (2) METAL IDENTIFICATION TAGS 3"x1 1/2" MINIMUM SIZE. MECHANICALLY FASTEN ONE TAG VISIBLE FROM THE EXTERIOR AND THE OTHER TO THE INTERIOR FRAME ABOVE THE CEILING AT THE END OF THE MODULE. THE TAG SHALL HAVE THE FOLLOWING INFORMATION:

- A. DSA APPLICATION NUMBER
B. BASIC WIND SPEED, EXPOSURE
C. DESIGN ROOF LIVE LOAD
D. DESIGN FLOOR LIVE LOAD
E. BUILDER'S NAME
F. PLANT INSPECTOR/ID MARK
G. SERIAL NUMBER

STRUCTURAL FRAME - EACH MODULE SHALL BE DESIGNED AS A MOMENT FRAME STRUCTURE TO WITHSTAND VERTICAL AND HORIZONTAL LOADS AND COMPLY WITH REQUIREMENTS OF THE DIVISION OF THE STATE ARCHITECT. THE NECESSARY PROVISIONS ARE INCORPORATED IN THE STRUCTURE TO PERMIT THE RELOCATION OF THE STRUCTURAL FRAME IN SECTIONS NOT EXCEEDING 12 FEET IN WIDTH.

EACH MODULE SHALL BE CAPABLE OF RESISTING ALL VERTICAL AND LATERAL LOADS DURING TRANSPORTATION AND RELOCATION. (NORMAL INDUSTRY PRACTICE FOR BRACING MODULES DURING TRANSPORTATION IS ACCEPTABLE). WHEN MODULES ARE ASSEMBLED, JOINTS SHALL BE SEALED WITH REMOVABLE CLOSING STRIPS OR OTHER METHOD TO PRESENT A FINISHED APPEARANCE AND BE PERMANENTLY WATERPROOF.

EACH MODULE SHALL BE SUFFICIENTLY RIGID TO BE JACKED UP AT THE FRONT AND BACK CORNERS FOR RELOCATION WITHOUT DAMAGE OR THE MODULE SHALL HAVE LIFT LUGS AT FRONT AND BACK LOCATED AS REQUIRED SO THAT THE MODULE MAY BE JACKED UP FOR RELOCATION IN ONE PIECE WITHOUT ADDITIONAL SUPPORTS OF ANY TYPE. EVIDENCE OF EXCESSIVE BOWING DURING THE INSTALLATION OF THE MODULES WHICH, IN THE OPINION OF THE AGENCY ARCHITECT OR STRUCTURAL ENGINEER, CAUSES EXCESSIVE WORKING AT ANY JOINT OR COMPROMISES THE STRUCTURAL INTEGRITY OF THE MODULE, SHALL BE SUFFICIENT REASON FOR REJECTION OF THE MODULE.

PROVIDE OPENINGS, CURBS, FRAMING AND/OR SUPPORTS FOR ITEMS INDICATED ON ARCHITECTURAL, MECHANICAL, ELECTRICAL OR OTHER DRAWINGS INCLUDED IN CONSTRUCTION DOCUMENTS.

FRAMING - ROOF, WALLS AND FLOOR: FRAMING MEMBERS SHALL BE OF THE GRADE AND SIZE CALLED FOR ON THE STRUCTURAL PLANS.

ROOF OVERHANG - ALL OVERHANGS SHALL PRESENT A PLEASING AND FINISHED APPEARANCE. SOFFIT MATERIAL, WHEN USED, SHALL BE 3/8" MIN EXTERIOR SIDING. PLYWOOD SOFFIT MATERIAL SHALL BE APPLIED WITH EXPOSED GRAIN RUNNING PARALLEL TO THE LENGTH OF THE BUILDING. SOFFIT SHALL BE NEATLY AND CLOSELY FITTED AND TRIMMED TO COVER GAPS. ALL ENCLOSED SOFFIT AREAS SHALL BE VENTILATED PER THE CBC.

FLOOR - THE FLOOR SHALL BE STEEL FRAMED WITH A DESIGN LIVE LOAD OF 50 LBS PER SQUARE FOOT UNLESS OTHERWISE NOTED ON THE DRAWINGS. THIS DOES NOT APPLY TO A SLAB ON GRADE CONDITION.

FIRE EXTINGUISHER - UL 2A-10BC, PRESSURE TYPE, +48" TO EXTINGUISHER HANDLE. +48" TO FIRE EXTINGUISHER HANDLE WHEN PROVIDED.

BUILDING INSULATION - SHALL COMPLY WITH CALIFORNIA QUALITY STANDARDS FOR INSULATING MATERIAL. FLAME SPREAD - MAX 25, SMOKE DEVELOP - MAX 450

BUILDING VENTILATION - PER SECTION 1203.4.1. OPENINGS FOR UNDER-FLOOR VENTILATION SHALL NOT BE LESS THAN 1 1/2 SQUARE FEET (0.135 m²) FOR EACH 150 SF OF CRAWL SPACE. THEY SHALL BE COVERED WITH CORROSION-RESISTANT WIRE MESH WITH MESH OPENINGS NOT LESS THAN 1/4 INCH (6.4 mm) NOR MORE THAN 1/2 INCH IN ANY DIRECTION.

WHEN MODULE IS RELOCATED - DO NOT REINSTALL NAILS OR SCREWS IN EXISTING HOLES.

**ELECTRICAL**

1. SCOPE OF WORK: CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIALS AND SERVICES FOR ELECTRICAL INSTALLATION COMPLETE WITH ASSOCIATED EQUIPMENT AND FIXTURES IN OPERATING CONDITION READY FOR USE. THE WORK INCLUDES: LIGHT AND POWER SYSTEMS, LIGHTING FIXTURES COMPLETE WITH LAMPS, CONNECTIONS AND DISCONNECTS TO A/C EQUIPMENT.

- 2. MATERIALS: ALL NEW COMPLYING WITH REQUIREMENTS OF CBC AND NFPA
A. ELECTRIC METALLIC TUBING: COUPLINGS AND FLEX CONDUIT GALVANIZED OR SHERARDIZED.
B. PANEL BOARDS: FLUSH MOUNTED WITH HINGED DOORS AND INDEXED CARD HOLDERS.
C. CONDUCTORS: COPPER, INSULATED FOR 600 VOLTS, TYPE THHN FOR SIZES #12 TO #6, TYPE THW FOR LARGER SIZES. MINIMUM SIZE - #12.
D. RECEPTACLE: GENERAL ELECTRIC 5242-2 OR EQUAL, +15" AFF MIN TO BTM OF BOX.
E. CLOCK RECEPTACLE: EAGLE OR EQUAL.
F. SWITCHES: GENERAL ELECTRIC 5901-2 OR EQUAL, +48" AFF MAX TO TOP OF BOX.
G. 2"x4" LED DROP IN LIGHT FIXTURE: ACRYLIC PRISMATIC LENS, DBL BALLAST, MAGNETIC ENERGY EFFICIENT 55 WATTS, WEIGHT 27 LBS (UNO)
H. ALL ELECTRICAL WIRING 110V AND GREATER SHALL BE IN CONDUIT SYSTEMS AND SHALL MEET OR EXCEED THE REQUIREMENTS OF CBC MINIMUM SIZE CONDUIT IS 1/2" MIN.
I. ACCEPTABLE CONDUIT: RIGID ELECTRICAL METALLIC TUBING (EMT); GALVANIZED THIN WALL FLEXIBLE (INTERIOR); GALVANIZED STEEL FLEXIBLE (EXTERIOR); GALVANIZED STEEL WITH FACTORY APPLIED PVC CONDUITS SHALL BE CONTINUOUS FROM OUTLET TO OUTLET AND SHALL BE SECURED IN CONFORMANCE WITH CBC FIELD BENDS SHALL BE AVOIDED WHEREVER POSSIBLE. WHERE BENDS MUST BE MADE, USE AN APPROPRIATE "HICKEY" OR BENDING MACHINE. REAM AND DEBUR ALL CONDUIT PRIOR TO INSTALLATION AND TERMINATE IN APPROPRIATE BUSHINGS OR CONNECTORS. JACKET WIRING SHALL BE #14 MIN CONDUCTOR TYPE TW, THW, THWN AS APPLICABLE. CONDUIT FILL SHALL NOT EXCEED REQUIREMENTS OF CBC A SEPARATE GROUNDING CONDUCTOR SHALL BE PULLED THROUGHOUT THE ENTIRE SYSTEM. CARE SHALL BE TAKEN TO AVOID DAMAGE TO WIRE OR INSULATION DURING PULLING. POWDERED SOAPSTONE OR A PULLING COMPOUND SUCH AS "YELLOW 77" LUBRICANT MAY BE USED IF NECESSARY.

3. WORKMANSHIP MATERIAL AND EQUIPMENT INSTALLED IN A SECURE, NEAT, WORKMANLIKE MANNER IN ACCORDANCE WITH CODE REQUIREMENTS. PANEL BOARD CARDS FILLED OUT. CONDUIT AND CABLE INSTALLED IN WALL AND CEILING SPACES. WORK PIERCING WATERPROOFED AREAS FLASHED AND SEALED TO A WATER TIGHT CONDITION.

GROUNDING OF BUILDING COMPONENTS
1. THE OWNER, UNLESS OTHERWISE NOTED IN THE CONTRACT DOCUMENTS, SHALL BE THE RESPONSIBLE FOR PROVIDING THE NECESSARY GROUNDING OF THE BUILDING ELECTRICAL SYSTEM PER CBC TABLE 250 AND DSA IR E-1.
2. THE PROJECT INSPECTOR SHALL WITNESS AND VERIFY THE GROUNDING TESTS.

**PAINTING**

1. SCOPE OF WORK: CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIALS AND SERVICES TO PAINT BUILDINGS. ALL EXPOSED SURFACES OF BUILDING AND RAMP SHALL BE PAINTED EXCEPT ALUMINUM WINDOW FRAMES AND THRESHOLDS, CFC CHAPTER 15, REFERENCE SHEET A0.6 FOR VOC LIMITS

- 2. MATERIALS:
A. EXTERIOR WOOD - VISTA BRAND 4100 PRIMER, 6000 FINISH (OR EQUAL)
B. INTERIOR TRIM - VISTA BRAND 7000 FINISH (OR EQUAL)
C. METAL - VISTA BRAND 7000 FINISH (OR EQUAL)

3. WORKMANSHIP
A. EXTERIOR - WOOD SIDING, TRIM AND SKIRTING- APPLY TWO COATS OF EXTERIOR FLAT ACRYLIC PAINT SPRAYED ON.
B. INTERIOR TRIM - TRIM NOT PRE COATED SHALL BE PAINTED WITH TWO COATS OF SEMI GLOSS LATEX OVER PRIMER.
C. METAL - ALL METAL SURFACES SHALL BE PAINTED WITH TWO COATS OF ALKYD FINISH COAT OVER SHOP COAT.
D. RAMP - ONE COAT OF NONSKID SURFACING.

**MECHANICAL SECTION**

1. SCOPE OF WORK: CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIALS AND SERVICES TO INSTALL THE AIR CONDITION SYSTEM AS SHOWN ON THE DRAWINGS INCLUDING A/C UNITS AND ACCESSORIES, REMOTE THERMOSTAT, GRILLS AND POWER WIRING COMPLETE TO LOAD CENTER. CONTRACTOR SHALL INSTRUCT OWNER'S OPERATORS ON OPERATION AND MAINTENANCE OF A/C SYSTEM.

2. WORKMANSHIP: UNITS SHALL BE INSTALLED COMPLETE AND OPERATING WITH ALL ACCESSORIES IN ACCORDANCE WITH THE MANUFACTURERS INSTRUCTIONS.

3. EQUIPMENT: SEE A/C INFORMATION SCHEDULE FOR SIZE AND TYPE
A. FACTORY MADE AIR DUCTS: FACTORY MADE AIR DUCTS SHALL BE APPROVED FOR THE USE INTENDED OR SHALL CONFORM TO THE REQUIREMENTS OF CMC. EACH PORTION OF A FACTORY MADE AIR DUCT SYSTEM SHALL BE IDENTIFIED BY THE MANUFACTURER WITH A LABEL OR OTHER SUITABLE IDENTIFICATION INDICATING COMPLIANCE WITH CMC AND SHALL BE INSTALLED IN ACCORDANCE WITH THE TERMS OF THEIR LISTING.

B. INSULATION APPLIED TO THE EXTERIOR SURFACE OF DUCTS LOCATED IN BUILDINGS SHALL HAVE A FLAME SPREAD OF NOT MORE THAN 25 AND A SMOKE DENSITY OF NOT MORE THAN 50.
C. MATERIAL EXPOSED WITHIN DUCTS OR PLENUMS SHALL HAVE A FLAME SPREAD RATING OF NOT MORE THAN 50.
D. AIR FILTERS: AIR FILTERS SHALL COMPLY WITH THE STANDARD FILTER UNITS & TEST PERFORMANCE THAT IS REFERENCED IN CHAPTER 17, AS CLASS I OR II, CMC

E. PIPE AND TUBING: INSULATION AND COVERING ON PIPE AND TUBING SHALL HAVE A FLAME SPREAD RATING NOT TO EXCEED 25 AND A SMOKE DENSITY NOT TO EXCEED 450 WHEN TESTED IN ACCORDANCE WITH CBC SECTION 720.7

**CARPENTRY**

1. SCOPE OF WORK: CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIALS AND SERVICES TO INSTALL CARPENTRY

- 2. MATERIALS: LUMBER GRADE MARKED IN ACCORDANCE WITH "STANDARD GRADING AND DRESSING RULES NO. 17" OF WEST COAST LUMBER INSPECTION BUREAU OR "WESTERN LUMBER FOR GRADING RULES 2015 EDITION" OF WESTERN WOOD PRODUCTS ASSOCIATION. PLYWOOD GRADE MARKED IN ACCORDANCE WITH "PRODUCT STANDARD PS 1-09 FOR STRUCTURAL PLYWOOD" OF AMERICAN PLYWOOD ASSOCIATION, COMPLYING WITH CURRENT CBC REFERENCE STANDARDS.
A. HEADERS: HEM FIR STUD GRADE OR BETTER
B. PLATES: HEM FIR STUD GRADE OR BETTER
C. BLOCKING: HEM FIR STUD GRADE OR BETTER
D. TREATED LUMBER: SILLS AND LUMBER IN CONTACT WITH CONCRETE, MASONRY, ASPHALT OR EARTH - HEMLOCK FIR PRESSURE TREATED WITH PRESERVATIVE AS SPECIFIED IN 2303.1.9 OF CBC ANPA STANDARD U1 AND M4; 2X GRADE MEMBERS CUT ENDS DIPPED IN PRESERVATIVE (CUPONAL).
E. PLYWOOD FLOOR DECKING: APA C-D GRADE, GROUP 1, EXPOSURE 1 WITH EXTERIOR GLUE, ON OVERHANGS, C-C PLUGGED AND TOUCH SANDED
F. PLYWOOD FLOOR DECKING: APA STURD-I-FLOOR 48" OC 1-1/8" TONGUE AND GROOVE FLOOR SHEATHING.
G. EXTERIOR SIDING/SHEATHING: APA TYPE 303, EXTERIOR, MDO B" OC, SIDING, SHEATHING 1/2" CDX.
H. STUDS AND POSTS: HEM FIR STUD GRADE
I. FASTENERS: ALL NAILS SHALL BE CORROSION RESISTANT PER CBC SECTION 2304.10.1.1 & 2304.10.5
J. BUILDING TRIM: 1x RESAWN SELECT HF OR MASONITE
K. DOOR/WINDOW TRIM: 1x4 RESAWN HF

- 3. WORKMANSHIP
A. FRAMING: SECURELY NAILED, BRIDGED AND BLOCKED TO FORM RIGID STRUCTURE. WORK CUT, FITTED AND ASSEMBLED LEVEL, PLUMB AND TRUE TO LINE. TRIM IN AS LONG LENGTHS AS POSSIBLE WITH ALL STANDING TRIM IN ONE PIECE. TRIM SEALED AT ALL EDGES.
B. NAILING: IN ACCORDANCE WITH CBC TABLE 2304.10.1. NAILS SHALL BE CORROSION RESISTANT BOX NAILS PER 2304.10.1.1 AND 2304.10.5.
C. EXTERIOR WALLS: FACTORY FABRICATED, CAULKING PROVIDED BETWEEN PERIMETER OF WALLS AND STRUCTURAL MEMBERS PROVIDING WEATHERPROOF AND WATER TIGHT SEAL. NECESSARY CLOSURES, SEALS, FLASHING PLACED AT TOP AND BASE SUPPORT OF PANELS AND AROUND OPENINGS.
D. MACHINE APPLIED NAILING: SHALL HAVE PRIOR DEMONSTRATION AND APPROVAL BY DSA FIELD INSPECTOR AND THE ARCHITECT. THE APPROVAL IS SUBJECT TO CONTINUES SATISFACTORY PERFORMANCE. PLYWOOD SHALL HAVE A MINIMUM THICKNESS OF 3/8". IF NAIL HEADS PENETRATE THE OUTER PLY MORE THAN WOULD BE NORMAL FOR A HAND HAMMER OR IF MINIMUM ALLOWABLE EDGE DISTANCES ARE NOT MAINTAINED, THE PERFORMANCE WILL BE DEEMED UNSATISFACTORY
E. TRIM SEALED AT ALL EDGES. SEALANT PAINTED TO MATCH TRIM OR SIDING
F. RTIGHTEN ALL BOLTS BEFORE CLOSING IN
G. THE DESIGN MOISTURE CONTENT OF LUMBER IS 19% OR LESS BEFORE FABRICATION, OTHER REVISION THRU CHANGE ORDER WILL BE REQUIRED

**SEALANT & WEATHER RESISTANT**

1. SCOPE OF WORK: CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIALS AND SERVICES TO SEAL THE BUILDINGS.

- 2. MATERIALS:
A. "VULKEM" SEALANT, POLYURETHANE, MANUFACTURED BY MAMECO INTERNATIONAL OR APPROVED EQUAL, TO BE USED AT ALL STANDING SEAM ROOFING DETAILS.
SEALANT APPLIED TO DRY CLEAN SURFACES, WHEREVER INDICATED ON DETAILS AND AS NEEDED TO MAKE BUILDING WATER TIGHT, IN ACCORDANCE WITH MANUFACTURERS SPECIFICATIONS, REFER TO SHEET A0.6 FOR VOC LIMITS

MOISTURE BARRIER: ALL WEATHER-EXPOSED SURFACES SHALL HAVE A WEATHER-RESISTIVE BARRIER TO PROTECT THE INTERIOR WALL COVERING. SUCH BARRIER SHALL BE EQUAL TO THAT PROVIDED FOR IN THE CBC 1404.2 & 2510.6. BARRIER SHALL BE FREE FROM HOLES AND BREAKS OTHER THAN THOSE CREATED BY FASTENERS AND CONSTRUCTION SYSTEM DUE TO ATTACHING OF THE BUILDING PAPER.

ZBAR: ALL HORIZONTAL JOINTS IN SIDING SHALL BE PROTECTED BY GALVANIZED "Z BAR" - 3/4 x 5/8 x 3/4" FLASHING. FLASHING NEED NOT BE USED WHERE SKIRTING MEETS THE UNDERSIDE OF AN EXPOSED METAL FRAME AND THE SKIRTING IS RECESSED SUFFICIENTLY TO PROTECT THE TOP EDGE OF PLYWOOD. APPLY SEALANT TO SEAM FOR WEATHER-RESISTANCE.

**SHEET METAL**

1. SCOPE OF WORK: CONTRACTOR SHALL PROVIDE ALL MATERIALS, LABOR AND SERVICES TO INSTALL INDICATED SHEET METAL.

- 2. MATERIALS:
A. SHEET METAL - STEEL SHEETS HOT DIP GALVANIZED WITH 1.25 OZ PER SQUARE FOOT ZINC COATING CONFORMING TO ASTM A123. MINIMUM 26 GA.
B. SOLDER - OF STANDARD BRAND, GRADE A OF EQUAL PARTS LEAD AND TIN ASTM B32.
C. FLUX - ZINC SATURATED MURATIC ACID.

3. WORKMANSHIP: SHEET METAL ACCURATELY FORMED TO DIMENSIONS AND SHAPES DETAILED WITH TRUE STRAIGHT LINES, CORNERS AND ANGLES. FLASHING INSTALLED IN LONGEST LENGTHS POSSIBLE. EXTERIOR WORK FORMED, FABRICATED AND INSTALLED SO THAT IT ADEQUATELY PROVIDES FOR EXPANSION AND CONTRACTION IN THE COMPLETED WORK AND FINISHES WATER AND WEATHER TIGHT.

**STRUCTURAL AND MISC STEEL**

1. SCOPE OF WORK: CONTRACTOR SHALL PROVIDE ALL MATERIALS, LABOR AND AS SPECIFIED AND INDICATED ON THE DRAWINGS, AND SERVICES REQUIRED FOR STRUCTURAL AND MISCELLANEOUS STEEL

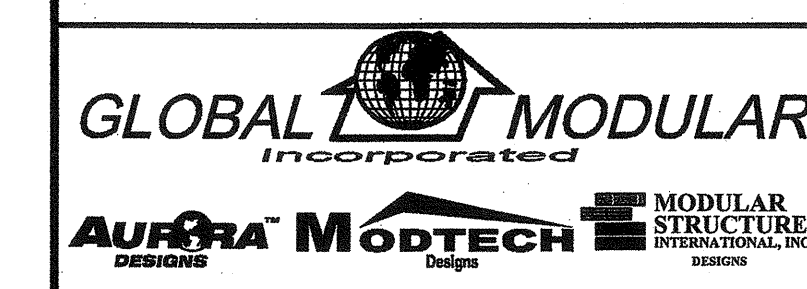
2. MATERIALS: REFER TO SHEET S0.0 FOR STRUCTURAL STEEL AND COLD FORMED STRUCTURAL STEEL INFORMATION

- 3. WORKMANSHIP
A. NAILS, BOLTS, SCREWS, NUTS, ETC. EXTERIOR WORK SHALL BE CADMIUM PLATED OR GALVANIZED.
B. HANDRAILS FOR STAIRS AND RAMPS: SEE RAMP OR STAIR SHEETS
C. SHOP PAINT:
1. EXPOSED STEEL COATED WITH ONE COAT SHOP COAT
2. NON-EXPOSED STEEL COATED WITH ONE COAT SHOP COAT
3. ALL SURFACES THOROUGHLY CLEANED BY EFFECTIVE MEANS PRIOR TO APPLICATION OF SHOPS COAT
D. TESTS: PROVIDE MILL CERTIFICATES OR TEST ALL MEMBERS. WELDS SHALL BE INSPECTED AND/OR TESTED PER SECTION 1705A.2.5
E. PERFORM SPECIAL INSPECTION FOR INTUMESCENT FIRE RETARDANT COATINGS PER SECTION 1705A.14

**ACOUSTICAL CONTROL**

REFER TO SHEET A0.6 FOR ACOUSTICAL CONTROL INFORMATION

PROJECT SPECIFIC STATE AGENCY APPROVAL



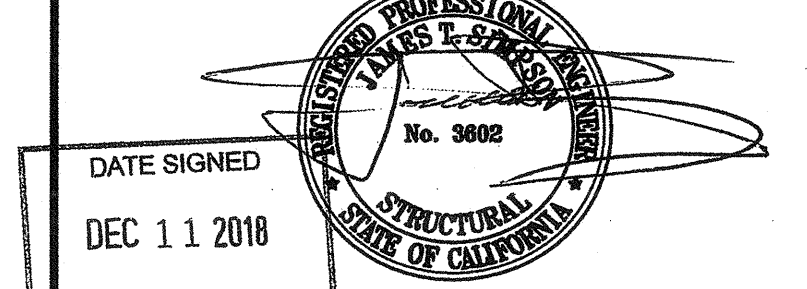
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PROJECT NAME:
SHEET TITLE:

**SPECIFICATIONS AND NOTES**

MFR. STRUCTURAL ENGINEER OF RECORD ON PC



DATE SIGNED DEC 11 2018

MFR. PROJECT SPECIFIC PROFESSIONAL OF RECORD

ARCHITECT OF RECORD



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

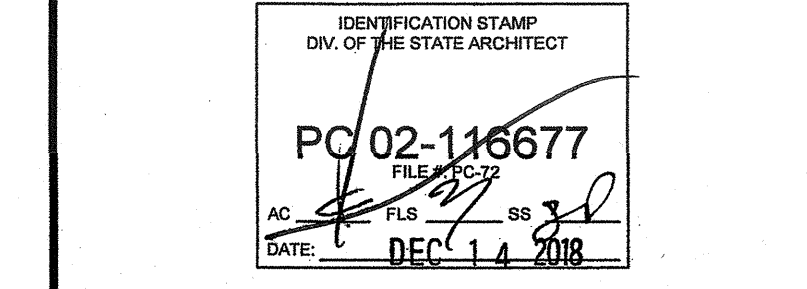


Table with columns for PROJECT NO., DRAWN BY, SCALE, DATE, and SHEET NUMBER. Values include 00-0000, 00, AS NOTED, 00-00-00, and A0.1.

IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT
APPROX 120980
AC IN FLS 6 SS CT
DATE 07 03 2019

**ROOFING:**

**FINESTONE ULTRAPLY TPO:**  
PER CBC SECTION 1505 CLASS 'A' BASE SHEET FINISHED GRADE.  
FINESTONE ULTRAPLY TPO MEMBRANE ROOFING SYSTEM (THERMOPLASTIC POLYETHYLENE BASED MEMBRANE) ADHESIVELY OR MECHANICALLY ATTACHED OVER INSULATED, COMBUSTIBLE OR NON-COMBUSTIBLE DECKS, CLASS 'A', THE TPO MEMBRANES ARE PRODUCED WITH A POLYESTER WET INSERTED REINFORCEMENT. SYNTHETIC RUBBER SINGLE-PLY SHEETS HAVING A MIN NOMINAL THICKNESS OF 45 MILS (1.1 MM) INSTALL PER MANUFACTURER INSTALLATION INSTRUCTIONS.

**STEVENS EP TPO:**  
PER CBC SECTION 1505 CLASS 'A' BASE SHEET FINISHED GRADE. STEVENS EP TPO MEMBRANE ROOFING SYSTEM (SORM REINFORCED ETHYLENE-PROPYLENE BASED MEMBRANE) ADHESIVELY OR MECHANICALLY ATTACHED OVER INSULATED, COMBUSTIBLE OR NON-COMBUSTIBLE DECKS, CLASS 'A', THE TPO MEMBRANES ARE SORM REINFORCED SYNTHETIC RUBBER SINGLE-PLY SHEETS HAVING A MIN NOMINAL THICKNESS OF 45 MILS (1.1 MM). INSTALL PER MANUFACTURER INSTALLATION INSTRUCTIONS.

**1/4" DENN-DECK ROOF BOARD:**  
USED AS A UNDERLAYMENT FOR THE TPO MEMBRANE ROOFING SYSTEM. FLAME SPREAD: 0, SMOKE DEVELOPED: 0 PER ASTM E-84. INSTALL PER ROOFING MANUFACTURER INSTALLATION INSTRUCTIONS.

**22 & 26 GAUGE METAL ROOFING:**  
UNPENETRATED INTERLOCKING ROOF PANELS MECHANICALLY CRIMPED AT TOP TO INSURE AGAINST WATER INFILTRATION. STANDING SEAM OR RIBBED TYPE. THE ROOFING SYSTEM SHALL BE FIRE RETARDANT PER CBC STANDARDS. TEST RESULTS TO SUPPORT CLASS 'A' RATING, SHOWING THE ROOF SYSTEM WILL WITHSTAND THE UPLIFT OF A 110 MPH WIND.

**EXTERIOR:**

**FLYWOOD SIDING:**  
DURABLE GROOVED 8" OC APA PRODUCT REPORT PFR-3302 OR LP SMARTSIDE PRECISION PANE; SIDING GROOVED 8" OC ICC REPORT #ESR-1301

**PAPER (WATER-RESISTIVE BARRIER) PER SECTION 1404.2 & 2510.6:** A MINIMUM OF TWO LAYER OF NO.15 ASPHALT FELT, COMPLYING WITH ASTM D 226 FOR TYPE 1 FELT OR OTHER APPROVED MATERIAL. SHALL BE ATTACHED TO STUDS OR SHEATHING, WITH FLASHING AS DESCRIBED IN SECTION 1405.3, IN SUCH A MANNER AS TO PROVIDE A CONTINUOUS WATER-RESISTIVE BARRIER BEHIND THE EXTERIOR WALL VENEER.

**LATH/FURRING AND PLASTER (STUCCO):**  
CBC SECTION 2507 & 2510.  
PAPER (WATER-RESISTIVE BARRIER) PER SECTION 1404.2 & 2510.6: A MINIMUM OF TWO LAYER OF NO.15 ASPHALT FELT, COMPLYING WITH ASTM D 226 FOR TYPE 1 FELT OR OTHER APPROVED MATERIAL. SHALL BE ATTACHED TO STUDS OR SHEATHING, WITH FLASHING AS DESCRIBED IN SECTION 1405.3, IN SUCH A MANNER AS TO PROVIDE A CONTINUOUS WATER-RESISTIVE BARRIER BEHIND THE EXTERIOR WALL VENEER.

**SELF-FURRING LATH (VERTICAL APPLICATION):** USE SELF-FURRING LATH CONFORMING TO 1/4" OFFSET REQUIREMENTS OF ASTM C 933 SECTION 5.12. INSTALL SELF-FURRING LATH PER DSA IR 25-4 AND ASTM C 1083.

**RIB LATH (HORIZONTAL APPLICATION):** USE 3/8" RIB LATH PER ASTM C 847. PROVIDE MIN. 1/2" SIDE LAP WITH WIRE TIES AT 8" O.C. PROVIDE 1" END LAPS OVER SUPPORTS WITH MAJOR RISERS.

**CEMENT: INSTALL AND COMPLY WITH SECTIONS 2510, 2512, AND ASTM C 928.**

**WINDOWS:**  
HORIZONTAL SLIDING, SOX VENTING, ANODIZED ALUMINUM FRAME. PERFORMANCE RATED PER ANIA C811-89 FOR COMMERCIAL USE AND MEDIUM EXPOSURE, NAIL-ON FIN FASTENED DIRECTLY TO FRAMING AND BEHIND SIDING MATERIAL. REMOVABLE SCREEN AT VENT GASKETS. LAMINATED OR TINTED GLAZING TO BE NOTED ON FLOOR PLAN. DUAL GLAZED WINDOWS TO HAVE MINIMUM 1/4" AIR SPACE AND 1/8" GLASS (SEE WINDOW SCHEDULE FOR SIZES)

**INTERIOR:**

**INTERIOR WALL COVERINGS:**  
APPLIED OVER MINIMUM 1/2" GYPSUM BOARD, OR MINIMUM 3/8" ORIENTED STRAND BOARD. EXPOSED SURFACES FIRE RATED PER ASTM E-84, FLAME SPREAD MAXIMUM 500, SMOKE DEVELOPED MAXIMUM 450. (PROVIDE FIRE BLOCCING WHEN 3/8" OSB IS USED AS BACKING MATERIAL)

**VINYL TACKBOARD:**  
VINYL WALL COVERING TO BE CLASS III DDMTAR GYPSUM OR EQUAL LAMINATED ONTO 1/2" INDUSTRIAL INSULATION BOARD, 1/2" x 9/8" O", LONG EDGES BEVELLED. FLAME SPREAD = 60 SMOKE DENSITY = 175

**FIRE:**  
FIBERGLASS REINFORCED PLASTIC PANELS, 4"-0" x 8"-0", WITH COLOR MATCHED PVC MOLDINGS OVER 1/2" GYPSUM. FLAME SPREAD = 25 AND SMOKE DEVELOPMENT = 450, CLASS 'A' PER ASTM E-84

**MARKER BOARDS:**  
1/2" PARTICLE BOARD SUBSTRATE, FULL WIDTH MAP RAIL W/ CORK INSERT AND 5/8" MAP HOOKS, EXTENDING ALUMINUM MOLDING WITH FLAG HOLDER. CHALK TRAY MAY NOT PROJECT MORE THAN 4".

**CEILING:**

**SUSPENDED T-BAR SYSTEM:**  
PERFORMANCE RATED ASTM C-635 HEAVY DUTY FLAME SPREAD MAX 0-25, SMOKE DEVELOP MAX 450.

**ACoustic LAY-IN CEILING PANELS:**  
LIGHT REFLECTIVE 12-1, FIRE RATED CLASS-A PER ASTM E-84, VINYL FACED FIBERGLASS, 5/8" THICK, ARMSTRONG OR EQUIV. CLASS 'A': FLAME SPREAD 25 (UL LABELED) PER ASTM E-1284. SMOKE DEVELOP MAX 450

**FLOORING:**

**CARPET:**  
PROVIDE GLUE-DOWN OR FIRM CUSHION, PAD OR BACKING OR NO CUSHION PAD; AND HAVE A LEVEL LOOP, TEXTURED LOOP, LEVEL-OUT PILE OR LEVEL-OUT/LOOPEL PILE TEXTURE. THE MAXIMUM PILE HEIGHT SHALL BE 1/2" PER SECTIONS 119-302.2 AND 119A.2. EXPOSED EDGES OR CARPET SHALL BE FASTENED TO FLOOR SUBSTRATE AND HAVE TRIM ALONG THE ENTIRE LENGTH OF THE EXPOSED EDGE. CARPET EDGE TRIM SHALL COMPLY WITH SECTIONS 119-303 AND 1121.1. MINIMUM CRITICAL RADIANT FLUX SHALL NOT EXCEED 0.45 WATTS PER SQUARE CENTIMETER.

SEE CARPET CONT ON THIS SHEET FOR CALGREEN REQUIREMENTS

**VINYL SHEET FLOORING:**  
MINIMUM WEAR LAYER .050" THICK. PERFORMANCE RATED PER ASTM F1303-90 TYPE-II, GRADE-I, CLASS-A, AND ASTM F970 125 PSI. FIRE RATED PER ASTM E848 FLAMMABILITY CLASS-I, AND ASTM E862 SMOKE DENSITY MAX 450, MIN COEFFICIENT OF FRICTION TO BE 0.6 PER ASTM D-2047 & CBC SECTION 119-302

**VINYL COMPOSITION TILE:**  
12" SQUARE, MINIMUM 1/8" THICK, PERFORMANCE RATED PER ASTM F1086, COMP-1, CLASS-2, AND ASTM F970 75 PSI. FIRE RATED PER ASTM E848 FLAMMABILITY CLASS-I, AND ASTM E862 SMOKE DENSITY MAX 450, MIN COEFFICIENT OF FRICTION TO BE 0.6 PER ASTM D2047

**TOP SET BASE:**  
BURKE MOLDED RUBBER 1/8" THICK, 4" HEIGHT, COVE STYLE #502-P, OR EQ

**CERAMIC TILE FLOORING:**  
CERAMIC TILE FLOORING SHALL HAVE A COEFFICIENT OF FRICTION OF AT LEAST 0.6 PER ASTM C-1028.

**QUARRY TILE FLOORING:**  
QUARRY TILE FLOORING SHALL HAVE A COEFFICIENT OF FRICTION OF AT LEAST 0.6 PER ASTM C-1028.

**RESILIENT FLOORING:**  
RESILIENT FLOORING DEMONSTRATING A COEFFICIENT OF FRICTION OF AT LEAST 0.6 PER ASTM D2047 WILL BE ACCEPTED AS MEETING THE INTENT OF SLIP RESISTANCE. CBC 1249.1/ADA STANDARDS 4.5.1, AT LEAST 80% OF THE FLOOR AREA RECEIVING RESILIENT FLOORING AND SHOWN THAT AT LEAST ONE OF THE FOUR TESTING OR PRODUCTS MEET THE REQUIREMENTS SHOWN ON SECTION 5.504-4.6

**DOORS:**

**FINISH HARDWARE:**  
HAND-ACTIVATED DOOR OPENING HARDWARE, HANDLES, PULLS, LATCHES, LOCKS, AND OTHER OPERATING DEVICES ON ACCESSIBLE DOORS SHALL HAVE A SHAPE THAT IS EASY TO GRASP WITH ONE HAND AND DOES NOT REQUIRE TIGHT GRASPING, TIGHT PINCHING OR TWISTING OF THE WRIST TO OPERATE. HARDWARE SHALL BE CENTERED BETWEEN 34 INCHES AND 44 INCHES ABOVE THE FLOOR. LATCHING AND LOCKING DEVICES THAT ARE HAND-ACTIVATED AND WHICH ARE IN A PATH OF TRAVEL SHALL BE OPERABLE WITH A SINGLE EFFORT BY LEVER-TYPE HARDWARE, PANIC BARS, PUSH-PULL ACTIVATING BARS OR OTHER HARDWARE DESIGNED TO PROVIDE PASSAGE. LOCKED EXIT DOORS SHALL OPERATE AS ABOVE IN EGRESS DIRECTION.

**HARDWARE:**  
MOUNTING HEIGHT OF LATCHING HARDWARE SHALL BE 34" TO 44" AFF PER CBC SECTION 119-404.2.7. PRESSURE TO OPERATE THE DOOR SHALL NOT EXCEED: 5 LBS (22.2 N) FOR EXTERIOR DOORS, 5 LBS (22.2 N) FOR INTERIOR DOORS & WHEN FIRE DOORS ARE REQUIRED 5 LBS (22.2 N) MAX OR THE MAXIMUM EFFORT TO OPERATE THE DOOR MAY BE INCREASED TO THE MAXIMUM ALLOWABLE BY THE APPROPRIATE ADMINISTRATIVE AUTHORITY, NOT TO EXCEED 15 LBS (66.72 N). 119-404.2.7, ALL HARDWARE SHALL MEET THE REQUIREMENTS OF CBC SECTION 119-1005.1.2.2 & 119-404.2.7.

**CLOSERS:**  
DOOR CLOSER, WHEN PROVIDED, THE SWEEP PERIOD OF THE CLOSER SHALL BE ADJUSTED TO 30 THAT FROM AN OPEN POSITION OF 70 DEGREES, THE DOOR WILL TAKE AT LEAST 3 SECONDS TO MOVE TO A POINT 3" FROM THE LATCH, MEASURED TO THE LANDING SIDE OF THE DOOR. REFER TO SECTION 119-404.2.8, 119-404.2.8.1, 119-404.2.8.2 & 119-404.2.9

**THRESHOLD:**  
THRESHOLD SHALL COMPLY WITH CBC SECTIONS 119-404.2.5, 1126A.2.1 AND 1010.1.7

**FLOOR STOPS:**  
FLOOR STOPS SHALL NOT BE LOCATED IN THE PATH OF TRAVEL AND 4" MAXIMUM FROM WALLS. POLICY 99-08.

**EXIT DEVICES:**  
PANIC HARDWARE SHALL COMPLY WITH CBC STANDARDS AND SHALL BE MOUNTED 36" TO 44" ABOVE FINISHED FLOOR SURFACE. THE UNLATCHING FORCE SHALL NOT EXCEED 5# APPLIED IN THE DIRECTION OF TRAVEL. PANIC HARDWARE SHALL COMPLY WITH CBC SECTION 1010.1.10 PANIC HARDWARE IS REQUIRED TO BE INSTALLED WHEN THE CONFIGURATION OF ANY ROOM PROVIDES AN OCCUPANT LOAD OF 50 OR GREATER, CBC 1010.1.10

**HOLLOW METAL DOORS AND FRAMES:**  
DOORS-TYPE I FULL FLUSH INSULATED, MANUFACTURED BY 'STEELCRAFT' OR APPROVED EQUAL (UNO)  
FRAMES-16 GA GOLF ROLLED 2" FRAMES (UNO)  
SEE SHEET A0.3 FOR DOOR AND FRAME INFORMATION. CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIALS & SERVICES TO INSTALL HOLLOW METAL DOORS AND FRAMES (UNO)

**GENERAL FINISHES:**

**FINISHES:**  
ALL FINISHES SHALL COMPLY WITH CBC CHAPTERS 7 & 8, CBC AND TITLE 19 CCR.

**FIRE PROTECTION:**

**FIRE EXTINGUISHER CABINETS:**  
FIRE EXTINGUISHER CABINETS MUST COMPLY WITH CBC SECTIONS 908 AND 3309

**CASEWORK:**

**HANDLES:**  
UNO SHAPED WIRE PULLS OR EQUALLY ACCESSIBLE PULL HARDWARE AT ALL ACCESSIBLE CASEWORK PER 119-404.2.7

**CARPET CONT:**

5.504.4.4 CARPET SYSTEMS. ALL CARPET INSTALLED IN THE BUILDING SHALL MEET AT LEAST ON OF THE FOLLOWING TESTING AND PRODUCT REQUIREMENTS:

- CARPET AND RUG INSTITUTE GREEN LABEL PLUS PROGRAM;
- COMPLIANT WITH THE VOC-EMISSION LIMITS AND TESTING REQUIREMENTS SPECIFIED IN THE CALIFORNIA DEPARTMENT OF PUBLIC HEALTH SAFETY STANDARD METHOD FOR THE TEST AND EVALUATION OF VOLATILE ORGANIC CHEMICAL EMISSION FROM INDOOR SOURCES USING ENVIRONMENTAL CHAMBERS, VERSION 1.1, FEBRUARY 2010 (ALSO KNOWN AS CDPH STANDARD METHOD V1.1 OR SPECIFICATION 01350);
- NSF/ANSI 140 AT THE GOLD LEVEL OR HIGHER;
- SCIENTIFIC CERTIFICATIONS SYSTEMS SUSTAINABLE CHOICE OR;
- COMPLIANT WITH THE COLLABORATIVE FOR HIGH PERFORMANCE SCHOOLS CALIFORNIA (COA-CHPS) CRITERIA INTERPRETATION FOR ED 7.0 AND ED 7.1 (FORMERLY ED 2.2) DATED JULY 2012 AND LISTED IN THE CHPS HIGH PERFORMANCE PRODUCT DATABASE.

**OPTION LIST - KEYNOTES**

<b>GENERAL</b>	<input checked="" type="checkbox"/> ALL CASES	A0.0, A0.1, A0.2, A0.3, A0.4, A0.6 & A0.8
<b>FLOOR PLANS OPTIONS LARGER THAN 48'X40'</b>	<input type="checkbox"/> MULTIPLE FLOOR PLANS 60'X40' - 120'X40' <input type="checkbox"/> DAYLIT ZONE FLOOR PLANS 60'-120'X40'	A0.5 E4.1DL
<b>INTERIOR WALL OPTION</b>	<input type="checkbox"/> STC CONSTRUCTION DETAILS (INTERIOR WALLS)	A0.7
<b>FLOOR PLANS</b>	<input type="checkbox"/> FLOOR PLAN 24'X40' <input type="checkbox"/> FLOOR PLAN 36'X40' <input type="checkbox"/> FLOOR PLAN 48'X40'	A1.1 A1.2 A1.3
<b>REFLECTED CEILING PLANS</b>	<input checked="" type="checkbox"/> REFLECTED CEILING DETAILS - ALL CASES <input type="checkbox"/> REFLECTED CEILING PLAN 24'X40' <input type="checkbox"/> REFLECTED CEILING PLAN 36'X40' <input type="checkbox"/> REFLECTED CEILING PLAN 48'X40'	A2.0 A2.1 A2.2 A2.3
<b>ROOF PLANS - 22 GA</b>	<input type="checkbox"/> ROOF DETAILS - 22 GA METAL <input type="checkbox"/> ROOF PLAN MONO & DUAL SLOPE-22 GA METAL	A3.1 A3.2
<b>ROOF PLANS - 26 GA</b>	<input type="checkbox"/> ROOF DETAILS - 26 GA METAL <input type="checkbox"/> ROOF PLAN MONO & DUAL SLOPE-26 GA METAL	A3.3 A3.4
<b>ROOF PLANS - TPO</b>	<input type="checkbox"/> ROOF DETAILS - TPO <input type="checkbox"/> ROOF PLAN MONO & DUAL SLOPE-26 GA METAL	A3.5 A3.6
<b>SOLAR READY ROOF OPTION</b>	<input type="checkbox"/> SOLAR READY ROOF PLANS 24'X40', 36'X40' & 48'X40' <input type="checkbox"/> SOLAR READY ROOF PLANS 60'X40', 72'X40' & 84'X40' <input type="checkbox"/> SOLAR READY ROOF PLANS 96'X40', 108'X40' & 120'X40' <input type="checkbox"/> ELECTRICAL PLAN 24'X40' (WALL MOUNTED HVAC) SOLAR READY <input type="checkbox"/> ELECTRICAL PLAN 36'X40' (WALL MOUNTED HVAC) SOLAR READY <input type="checkbox"/> ELECTRICAL PLAN 48'X40' (WALL MOUNTED HVAC) SOLAR READY <input type="checkbox"/> ELECTRICAL PLAN 24'X40' (ROOF MOUNTED HVAC) SOLAR READY <input type="checkbox"/> ELECTRICAL PLAN 36'X40' (ROOF MOUNTED HVAC) SOLAR READY <input type="checkbox"/> ELECTRICAL PLAN 48'X40' (ROOF MOUNTED HVAC) SOLAR READY <input type="checkbox"/> ELECTRICAL PLAN 24'X40' (ROOF MOUNTED HVAC) SOLAR READY <input type="checkbox"/> ELECTRICAL PLAN 36'X40' (ROOF MOUNTED HVAC) SOLAR READY <input type="checkbox"/> ELECTRICAL PLAN 48'X40' (ROOF MOUNTED HVAC) SOLAR READY	A3.7SR A3.8SR A3.9SR E1.0SR E1.1SR E2.0SR E2.1SR E3.0SR E3.1SR
<b>INTERIOR ELEVATIONS</b>	<input type="checkbox"/> INTERIOR ELEVATIONS 24'X40' <input type="checkbox"/> INTERIOR ELEVATIONS 36'X40' <input type="checkbox"/> INTERIOR ELEVATIONS 48'X40' <input type="checkbox"/> EXTERIOR ELEVATIONS 24'X40'-WOOD SIDING OPTION 'A' (RIGHT HAND) <input type="checkbox"/> EXTERIOR ELEVATIONS 24'X40'-WOOD SIDING OPTION 'B' (RIGHT HAND) <input type="checkbox"/> EXTERIOR ELEVATIONS 36'X40'-WOOD SIDING <input type="checkbox"/> EXTERIOR ELEVATIONS 48'X40'-WOOD SIDING	A4.1 A4.2 A4.3 A5.1-A A5.1-B A5.2 A5.3
<b>EXTERIOR ELEVATIONS WOOD SIDING</b>	<input type="checkbox"/> EXTERIOR ELEVATIONS 24'X40'-STUCCO OPTION 'A' (RIGHT HAND) <input type="checkbox"/> EXTERIOR ELEVATIONS 36'X40'-STUCCO OPTION 'B' (RIGHT HAND) <input type="checkbox"/> EXTERIOR ELEVATIONS 48'X40'-STUCCO OPTION <input type="checkbox"/> EXTERIOR ELEVATIONS 24'X40'-STUCCO OPTION <input type="checkbox"/> EXTERIOR ELEVATIONS 36'X40'-STUCCO OPTION <input type="checkbox"/> EXTERIOR ELEVATIONS 48'X40'-STUCCO OPTION	A5.4-A A5.4-B A5.5 A5.6 A5.7
<b>EXTERIOR ELEVATIONS STUCCO SIDING</b>	<input type="checkbox"/> ARCHITECTURAL DETAILS WOOD STUD OPTION <input type="checkbox"/> WALL FRAMING DETAILS-WOOD STUD	A8.0 S3.0
<b>WOOD STUD OPTION</b>	<input type="checkbox"/> ARCHITECTURAL DETAILS METAL STUD OPTION <input type="checkbox"/> WALL FRAMING DETAILS-STEEL STUD	A8.3 S3.1
<b>METAL STUD OPTION</b>	<input checked="" type="checkbox"/> ALL CASES <input type="checkbox"/> FIRE RATED ASSEMBLIES <input type="checkbox"/> FIRE RATED DETAILS <input type="checkbox"/> SOLATUBE OPTION AT TPO ROOF <input type="checkbox"/> SOLATUBE WIRING AND DAYLIGHT HARVESTING <input type="checkbox"/> RESTROOM ACCESSORIES SCHEDULE & DETAILS <input type="checkbox"/> RESTROOM ACCESSIBILITY DETAILS <input type="checkbox"/> 24'X40' RESTROOM OPTION & ACCESSORY PLAN <input type="checkbox"/> 36'X40' RESTROOM OPTION & ACCESSORY PLAN <input type="checkbox"/> 48'X40' RESTROOM OPTION & ACCESSORY PLAN <input type="checkbox"/> PLUMBING SCHEDULE AND DETAILS <input type="checkbox"/> PLUMBING PLAN 24'X40' <input type="checkbox"/> PLUMBING PLAN 36'X40' <input type="checkbox"/> PLUMBING PLAN 48'X40'	A8.1 & A8.2 A9.0 A9.1 A11.0 E5.0 A10.0 A10.1 A12.0 A12.1 A12.2 P0.0 P1.0 P2.0 P3.0
<b>ARCHITECTURAL DETAILS</b>	<input type="checkbox"/> WOOD PAD FOUNDATION DETAILS <input type="checkbox"/> WOOD PAD FOUNDATION PLAN-PLYWOOD FLOOR <input type="checkbox"/> WOOD PAD FOUNDATION PLAN-CONCRETE FLOOR	F1.0 F1.1 F1.2
<b>FIRE RATING OPTION</b>	<input type="checkbox"/> GENERAL DETAILS <input type="checkbox"/> ABOVE GRADE CONCRETE FOUNDATION DETAILS <input type="checkbox"/> ABOVE GRADE CONCRETE FOUNDATION PLAN <input type="checkbox"/> FLUSH TO GRADE CONCRETE FOUNDATION DETAILS <input type="checkbox"/> FLUSH TO GRADE CONCRETE FOUNDATION PLAN	F0.0 F2.0 F2.1 F3.0 F3.1
<b>SOLATUBE OPTION</b>	<input checked="" type="checkbox"/> ALL CASES <input type="checkbox"/> BUILDING SECTIONS PLYWOOD FLOOR <input type="checkbox"/> FLOOR FRAMING PLAN-PLYWOOD <input type="checkbox"/> BUILDING SECTIONS CONCRETE FLOOR <input type="checkbox"/> FLOOR FRAMING PLAN-CONCRETE <input type="checkbox"/> ROOF TRUSS AND DETAILS	S0.0a, S0.0b, S0.3, S1.0, S2.0, S3.2 & S4.0 S0.1 S1.1 S0.1 S1.1 S2.1
<b>RESTROOM OPTIONS</b>	<input type="checkbox"/> MECHANICAL PLAN WALL MOUNT 24'X40' <input type="checkbox"/> MECHANICAL PLAN WALL MOUNT 36'X40' <input type="checkbox"/> MECHANICAL PLAN WALL MOUNT 48'X40' <input type="checkbox"/> MECHANICAL ROOF PLAN 24'X40' <input type="checkbox"/> MECHANICAL ROOF PLAN MOUNT 24'X40' <input type="checkbox"/> MECHANICAL ROOF PLAN 36'X40' <input type="checkbox"/> MECHANICAL PLAN ROOF MOUNT 36'X40' <input type="checkbox"/> MECHANICAL ROOF PLAN 48'X40' <input type="checkbox"/> MECHANICAL PLAN ROOF MOUNT 48'X40'	M0.0, M0.1, M3.1, M3.2, M3.3, M3.4, M3.5, M3.6, M3.7, M3.8 & M3.9 M1.1 M1.2 M1.3 M2.1 M2.2 M2.3 M2.4 M2.5 M2.6
<b>FOUNDATION OPTION WOOD PAD</b>	<input checked="" type="checkbox"/> ALL CASES <input type="checkbox"/> ELECTRICAL PLAN 24'X40' (WALL MOUNTED HVAC) <input type="checkbox"/> ELECTRICAL PLAN 36'X40' (WALL MOUNTED HVAC) <input type="checkbox"/> ELECTRICAL PLAN 48'X40' (WALL MOUNTED HVAC) <input type="checkbox"/> ELECTRICAL PLAN 24'X40' (ROOF MOUNTED HVAC) <input type="checkbox"/> ELECTRICAL PLAN 36'X40' (ROOF MOUNTED HVAC) <input type="checkbox"/> ELECTRICAL PLAN 48'X40' (ROOF MOUNTED HVAC) <input type="checkbox"/> RAMP & LANDING DETAILS <input type="checkbox"/> RAMP & LANDING (ATTACHED HANDRAIL) <input type="checkbox"/> RAMP & LANDING (FREE STANDING HANDRAIL) <input type="checkbox"/> RAMP & LANDING (OFFSET RAMP) <input type="checkbox"/> RAMP & LANDING (CORAMON LANDING) <input type="checkbox"/> STAIR & LANDING & DETAILS	E0.0 & E4.0DL E1.0 E2.0 E3.0 E1.1 E2.1 E3.1 R0.0 R1.0 R2.0 R3.0 R4.0 R5.0
<b>FOUNDATION OPTION CONCRETE</b>	<input type="checkbox"/> MECHANICAL PLAN WALL MOUNT 24'X40' <input type="checkbox"/> MECHANICAL PLAN WALL MOUNT 36'X40' <input type="checkbox"/> MECHANICAL PLAN WALL MOUNT 48'X40' <input type="checkbox"/> MECHANICAL ROOF PLAN 24'X40' <input type="checkbox"/> MECHANICAL ROOF PLAN MOUNT 24'X40' <input type="checkbox"/> MECHANICAL ROOF PLAN 36'X40' <input type="checkbox"/> MECHANICAL PLAN ROOF MOUNT 36'X40' <input type="checkbox"/> MECHANICAL ROOF PLAN 48'X40' <input type="checkbox"/> MECHANICAL PLAN ROOF MOUNT 48'X40'	
<b>STRUCTURAL PLYWOOD FLOOR OPTION</b>	<input type="checkbox"/> BUILDING SECTIONS CONCRETE FLOOR <input type="checkbox"/> FLOOR FRAMING PLAN-CONCRETE <input type="checkbox"/> ROOF TRUSS AND DETAILS	
<b>CONCRETE FLOOR OPTION</b>	<input type="checkbox"/> BUILDING SECTIONS PLYWOOD FLOOR <input type="checkbox"/> FLOOR FRAMING PLAN-PLYWOOD <input type="checkbox"/> BUILDING SECTIONS CONCRETE FLOOR <input type="checkbox"/> FLOOR FRAMING PLAN-CONCRETE <input type="checkbox"/> ROOF TRUSS AND DETAILS	
<b>MECHANICAL MECHANICAL PLANS WALL MOUNT OPTION</b>	<input type="checkbox"/> MECHANICAL PLAN WALL MOUNT 24'X40' <input type="checkbox"/> MECHANICAL PLAN WALL MOUNT 36'X40' <input type="checkbox"/> MECHANICAL PLAN WALL MOUNT 48'X40' <input type="checkbox"/> MECHANICAL ROOF PLAN 24'X40' <input type="checkbox"/> MECHANICAL ROOF PLAN MOUNT 24'X40' <input type="checkbox"/> MECHANICAL ROOF PLAN 36'X40' <input type="checkbox"/> MECHANICAL PLAN ROOF MOUNT 36'X40' <input type="checkbox"/> MECHANICAL ROOF PLAN 48'X40' <input type="checkbox"/> MECHANICAL PLAN ROOF MOUNT 48'X40'	
<b>MECHANICAL PLANS ROOF MOUNT OPTION</b>	<input type="checkbox"/> MECHANICAL PLAN WALL MOUNT 24'X40' <input type="checkbox"/> MECHANICAL PLAN WALL MOUNT 36'X40' <input type="checkbox"/> MECHANICAL PLAN WALL MOUNT 48'X40' <input type="checkbox"/> MECHANICAL ROOF PLAN 24'X40' <input type="checkbox"/> MECHANICAL ROOF PLAN MOUNT 24'X40' <input type="checkbox"/> MECHANICAL ROOF PLAN 36'X40' <input type="checkbox"/> MECHANICAL PLAN ROOF MOUNT 36'X40' <input type="checkbox"/> MECHANICAL ROOF PLAN 48'X40' <input type="checkbox"/> MECHANICAL PLAN ROOF MOUNT 48'X40'	
<b>ELECTRICAL ELECTRICAL PLANS WALL MOUNT OPTION</b>	<input type="checkbox"/> BUILDING SECTIONS PLYWOOD FLOOR <input type="checkbox"/> FLOOR FRAMING PLAN-PLYWOOD <input type="checkbox"/> BUILDING SECTIONS CONCRETE FLOOR <input type="checkbox"/> FLOOR FRAMING PLAN-CONCRETE <input type="checkbox"/> ROOF TRUSS AND DETAILS	
<b>ELECTRICAL PLANS ROOF MOUNT OPTION</b>	<input type="checkbox"/> BUILDING SECTIONS PLYWOOD FLOOR <input type="checkbox"/> FLOOR FRAMING PLAN-PLYWOOD <input type="checkbox"/> BUILDING SECTIONS CONCRETE FLOOR <input type="checkbox"/> FLOOR FRAMING PLAN-CONCRETE <input type="checkbox"/> ROOF TRUSS AND DETAILS	
<b>RAMP, LANDING &amp; STAIR OPTION</b>	<input type="checkbox"/> BUILDING SECTIONS PLYWOOD FLOOR <input type="checkbox"/> FLOOR FRAMING PLAN-PLYWOOD <input type="checkbox"/> BUILDING SECTIONS CONCRETE FLOOR <input type="checkbox"/> FLOOR FRAMING PLAN-CONCRETE <input type="checkbox"/> ROOF TRUSS AND DETAILS	

NOTE: THE OPTION LIST APPLIES TO ALL PROJECTS THAT ARE PC RELATED. THE OPTION SHEET IS INVALID WHEN NEW SHEETS ARE IMPLEMENTED. THE PURPOSE OF THE OPTION LIST IS TO EXPEDITE PLAN REVIEW AT A CONSTRUCTION APPOINTMENT AND TO ENSURE THAT THE CORRECT SHEETS WITH THE CORRECT PC OPTION IS UTILIZED CORRECTLY AND APPLIED CORRECTLY TO THE SITE-ADAPT PROJECT

IDENTIFICATION STAMP  
DIV. OF THE STATE ARCHITECT  
APPROX 120280  
AC 1/15/15 SS 51  
DATE 10-3-2018

**FLOOR FRAMING:** (CHECK ONE)  
FLOOR LIVE LOAD: SEE COVER SHEET  
FLOOR BEAM SIZE: SEE STRUCTURAL SHEETS  
JOIST TYPE: SEE STRUCTURAL SHEETS  
JOIST SPACING: SEE STRUCTURAL SHEETS  
\* INSULATION: R-11 UNFACED  R-19 UNFACED   
BOTTOM ENCLOSURE: CANEX CW-600  
FLOOR DECK: PLYWOOD DECKING  LIGHTWEIGHT CONCRETE   
REFERENCE: FLOOR FRAMING SHEETS  
MISC: PLYWOOD FLOORS TO HAVE MIN R-11 INSULATION  
CONCRETE FLOORS TO HAVE MIN R-11 INSULATION

**ROOF FRAMING:** (CHECK ONE)  
ROOF LIVE LOAD: SEE COVER SHEET  
ROOF SLOPE: DUAL SLOPE  MONO SLOPE   
JOIST SIZE & GRADE: SEE STRUCTURAL SHEETS  
\* INSULATION: R-30 UNFACED   
FINISH ROOFING: 22 GA GALV STANDING SEAM ROOF   
26 GA GALV STANDING SEAM ROOF   
45 MIL TPO W/ 1/4" DENNDECK  60 MIL TPO W/ 1/4" DENNDECK   
ROOF SHEATHING: 3/4" C-D PLYWOOD @ NON 22 GA ROOFING  
FRONT OVERHANG: NO  YES   
REAR OVERHANG: NO  YES   
OVERHANG MEAN: ANGLE  C-CHANNEL   
SOFFITS: OPEN SOFFITS  CLOSED SOFFITS   
DRAINAGE SYSTEM: 28 GA GUTTERS & DOWNSPOUTS  
REFERENCE: ROOF FRAMING SHEETS  
NOTE: SOFFIT FINISH TO MATCH WALL FINISH

**EXTERIOR WALLS WOOD STUD OPTION:**   
WIND LOAD: SEE COVER SHEET  
STUD SIZE: 2"x8" UNO BY WALL LEGEND ON COVER SHEET/FLR PLAN  
SPACING: SEE CHART ON WALL FRAMING ELEVATIONS  
GRADE: SEE CHART ON WALL FRAMING ELEVATIONS  
INSULATION: R-19 UNFACED  RIGID   
FIRE RESISTIVE CONSTRUCTION: NO  YES  (SEE FIRE RATED DETAIL SHEETS)  
REFERENCE: WALL FRAMING ELEVATIONS  
MISC:

**EXTERIOR WALLS STEEL STUD OPTION:**   
WIND LOAD: SEE COVER SHEET  
STUD SIZE: 5 1/2" UNO BY WALL LEGEND ON COVER SHEET/FLR PLAN  
SPACING: SEE CHART ON WALL FRAMING ELEVATIONS  
GRADE: SEE CHART ON WALL FRAMING ELEVATIONS  
INSULATION: R-19 UNFACED  RIGID   
FIRE RESISTIVE CONSTRUCTION: NO  YES  (SEE FIRE RATED DETAIL SHEETS)  
REFERENCE: WALL FRAMING ELEVATIONS  
MISC:

**NON-BEARING INTERIOR WALLS:** (CHECK ONE)  
STUD SIZE: 2"x4" UNO BY WALL LEGEND ON COVER SHEET/FLR PLAN  
STUD SIZE: 3 5/8" UNO BY WALL LEGEND ON COVER SHEET/FLR PLAN  
SPACING: 24" OC MAX (PER SECT 2308.9.2.3)  
GRADE: HEMLOCK FIR MIN  20 GA MIN  
PARTITION HEIGHT: TO RAFTERS  BELOW RAFTERS   
INSULATION: R-13 UNFACED  R-19 UNFACED   
FIRE RESISTIVE CONSTRUCTION: NO  YES  (SEE FIRE RATED DETAIL SHEETS)  
REFERENCE: WALL FRAMING DETAILS  
NOTES: INTERIOR WALLS SEPARATING TENANT SPACE OR PUBLIC AREAS REQUIRE A SOUND OF STC 40 PER ENERGY CODE SECTION 5.507.4.3. SEE DETAILS #A8/A0.7

**PLUMBING:** (CHECK ONE)  
ABS SCHEDULE 40 WASTE   
CAST IRON WASTE   
REFERENCE: PLUMBING SHEETS  
NOTES: ALL PLUMBING WASTE VENTS SHALL BE 10'-0" MINIMUM AWAY FROM ANY FRESH INTAKE EQUIPMENT

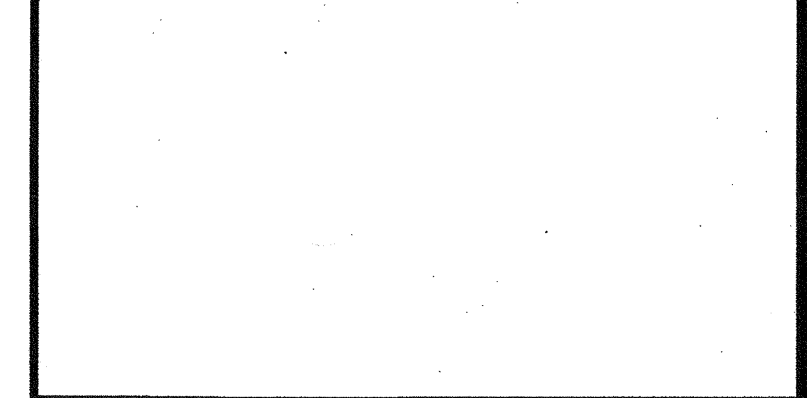
**SITE CONDITIONS:** (CHECK ONE)  
FOUNDATION TYPE: WOOD PAD (UP TO 48'X40')   
CONCRETE FLUSH TO GRADE  CONCRETE ABOVE GRADE   
REFERENCE: FOUNDATION SHEETS  
RAMP & LANDING: NO  YES  (SEE RAMP/LANDING SHEETS)  
RAMP & LANDING SURFACE FINISH: SEE RAMP AND LANDING SHEETS

**AC UNIT TYPE:** (CHECK ONE)  
WALL MOUNT  ROOF MOUNT   
CONDENSATE LINE: COPPER  PVC   
NOTES: INSULATE CONDENSATE LINES PER CMC 1108.9

**EXTERIOR WALL FINISH:** (CHECK ONE)  
5/8" SIDING (GROOVED AT 8" OC)   
STUCCO ON-SITE   
REFERENCE: ARCHITECTURAL DETAIL SHEETS  
MISC:

\* = COORDINATE WITH WORSE CASE SCENARIO CHART ON M.O. WORSE CASE SCENARIO CHART SHALL GOVERN WHEN WORSE CASE MATERIALS ARE USED. SEE NOTE BELOW WORSE CASE SCENARIO CHART.

PROJECT SPECIFIC STATE AGENCY APPROVAL



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HARDWARE GROUP (ENTRY) 1		
QTY.	ITEM	DESCRIPTION
1	LOCK SET	SCHLAGE: ND75PD RHODES LEVER 626
1	KEYING	SCHLAGE "C" KEYWAY
3	HINGES	MCKINNEY: T2714 4.5"x4.5" NRP A5133
1	CLOSER	NORTON: 8301 SLIM COVER (5 LB OPERATING PUSH/PULL PRESSURE)
1	THRESHOLD	MCKINNEY: MCK271A 36"
1	DOOR BOTTOM	MCKINNEY: MCK216AV 36"
1	WEATHER-STRIP	MCKINNEY: MCK2891AS 36"x84"
1	KICK PLATE	MCKINNEY: KP50 10"x34"
1	DOOR STOP	MCKINNEY: FS02 FLOOR STOP (LOCATED 4" FROM WALL)

HARDWARE GROUP (PANIC) 2		
QTY.	ITEM	DESCRIPTION
1	LOCK SET	VON DUPRIN: PUSH BAR AX-22-L-SP28 RIB EXIT DEVICE
1	EXTERIOR TRIM	VON DUPRIN: LOWER HANDLE 230L TRM
1	KEYING	SCHLAGE "C" KEYWAY
3	HINGES	MCKINNEY: T2714 4.5"x4.5" NRP A5133
1	CLOSER	NORTON: 8301 SLIM COVER (5 LB OPERATING PUSH/PULL PRESSURE)
1	THRESHOLD	MCKINNEY: MCK271A 36"
1	DOOR BOTTOM	MCKINNEY: MCK216AV 36"
1	WEATHER-STRIP	MCKINNEY: MCK2891AS 36"x84"
1	KICK PLATE	MCKINNEY: KP50 10"x34"
1	DOOR STOP	MCKINNEY: FS02 FLOOR STOP (LOCATED 4" FROM WALL)

HARDWARE GROUP (PRIVACY) 3		
QTY.	ITEM	DESCRIPTION
1	LOCK SET	SCHLAGE: ND40S RHODES LEVER 626
3	HINGES	MCKINNEY: T2714 4"x4" A5133

HARDWARE GROUP (OFFICE) 4		
QTY.	ITEM	DESCRIPTION
1	LOCK SET	SCHLAGE: ND53PD RHODES LEVER 626
1	KEYING	SCHLAGE "C" KEYWAY
3	HINGES	MCKINNEY: T2714 4"x4" A5133

HARDWARE GROUP (PASSAGE) 5		
QTY.	ITEM	DESCRIPTION
1	LOCK SET	SCHLAGE: ND10S RHODES LEVER 626
3	HINGES	MCKINNEY: T2714 4"x4" A5133

HARDWARE GROUP (STORAGE) 6		
QTY.	ITEM	DESCRIPTION
1	LOCK SET	SCHLAGE: ND94PD RHODES LEVER 626
1	KEYING	SCHLAGE "C" KEYWAY
3	HINGES	MCKINNEY: T2714 4"x4" A5133

HARDWARE GROUP (MULTI-USE EXT. R.R.) 7		
QTY.	ITEM	DESCRIPTION
1	LOCK SET	SCHLAGE: ND94PD RHODES LEVER 626
1	KEYING	SCHLAGE "C" KEYWAY
3	HINGES	MCKINNEY: T2714 4.5"x4.5" NRP A5133
1	CLOSER	NORTON: 8301 SLIM COVER (5 LB OPERATING PUSH/PULL PRESSURE)
1	THRESHOLD	MCKINNEY: MCK271A 36"
1	DOOR BOTTOM	MCKINNEY: MCK216AV 36"
1	WEATHER-STRIP	MCKINNEY: MCK2891AS 36"x84"
1	DOOR STOP	MCKINNEY: FS02 FLOOR STOP (LOCATED 4" FROM WALL)
1	LOUVERS	AIR LOUVERS, INC.: B00A 24"x12"
1	KICK PLATE	MCKINNEY: KP50 10"x34"

HARDWARE GROUP (SINGLE-USE EXT. R.R.) 8		
QTY.	ITEM	DESCRIPTION
1	LOCK SET	SCHLAGE: ND73PD RHODES LEVER 626
1	KEYING	SCHLAGE "C" KEYWAY
3	HINGES	MCKINNEY: T2714 4.5"x4.5" NRP A5133
1	CLOSER	NORTON: 8301 SLIM COVER (5 LB OPERATING PUSH/PULL PRESSURE)
1	THRESHOLD	MCKINNEY: MCK271A 36"
1	DOOR BOTTOM	MCKINNEY: MCK216AV 36"
1	WEATHER-STRIP	MCKINNEY: MCK2891AS 36"x84"
1	DOOR STOP	MCKINNEY: FS02 FLOOR STOP (LOCATED 4" FROM WALL)
1	LOUVERS	AIR LOUVERS, INC.: B00A 24"x12"
1	KICK PLATE	MCKINNEY: KP50 10"x34"

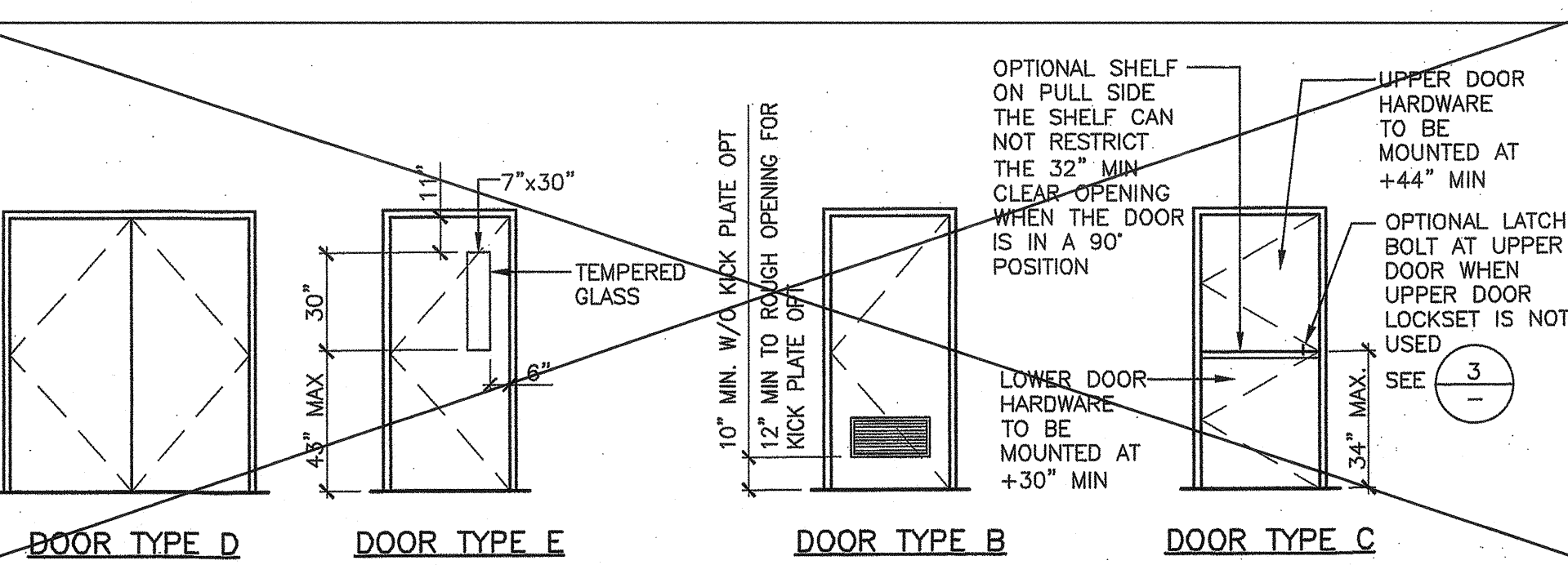
DOOR SCHEDULE										
DOOR TYPE	DOOR WIDTH	DOOR HEIGHT	HARDWARE GROUP	DOOR MATERIAL	DOOR FRAME	FRAME GAUGE	GLAZING	FIRE RATING	REMARKS	
100	A	3'-0"	1	STL	18	KD	18	-	-	
200A	A	3'-0"	2	STL	18	KD	18	-	-	
200B	A	3'-0"	2	STL	18	KD	18	-	-	
300	A	3'-0"	2	STL	18	KD	18	-	-	
300A	A	3'-0"	5	SCL	-	TM	-	-	-	
301	A	3'-0"	2	STL	18	KD	18	-	-	

OPTIONAL DOOR SCHEDULE										
DOOR TYPE	DOOR WIDTH	DOOR HEIGHT	HARDWARE GROUP	DOOR MATERIAL	DOOR FRAME	FRAME GAUGE	GLAZING	FIRE RATING	REMARKS	
200	A	3'-0"	3	SCL	-	TM	-	-	-	
D	3'-0"	7'-0"	-	STL	18	WF	18	-	W/24"x18" LOUVER	
E	3'-0"	7'-0"	-	SCL	-	TM	-	-	BUTGH-DOOR	
D	2'-3"	7'-0"	-	STL	18	WF	18	-	DOUBLE-DOOR	
E	3'-0"	7'-0"	-	STL	18	WF	18	-	SEE GLAZING SIZE BELOW	

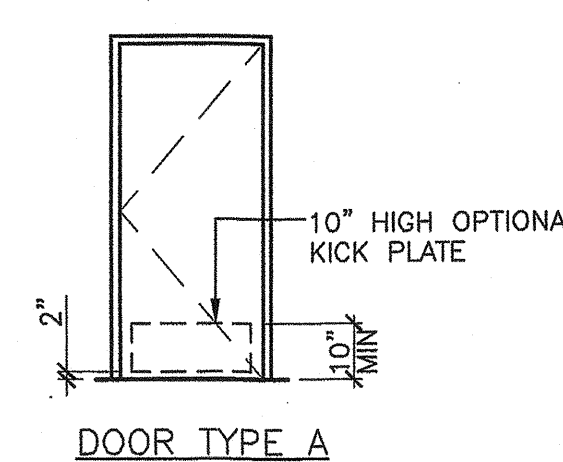
**DOOR MATERIAL LEGEND**  
 STL: STEEL DOOR-HOLLOW CORE  
 SCW: SOLID CORE WOOD  
 SCL: SOLID CORE WOOD LEGACY  
 HCW: HOLLOW CORE WOOD  
 SF: STORE FRONT

**DOOR FRAME LEGEND**  
 WF: WELDED FRAMING-HOLLOW METAL  
 TM: TIMELY METAL  
 KD: KNOCK DOWN-HOLLOW METAL  
 SF: STORE FRONT

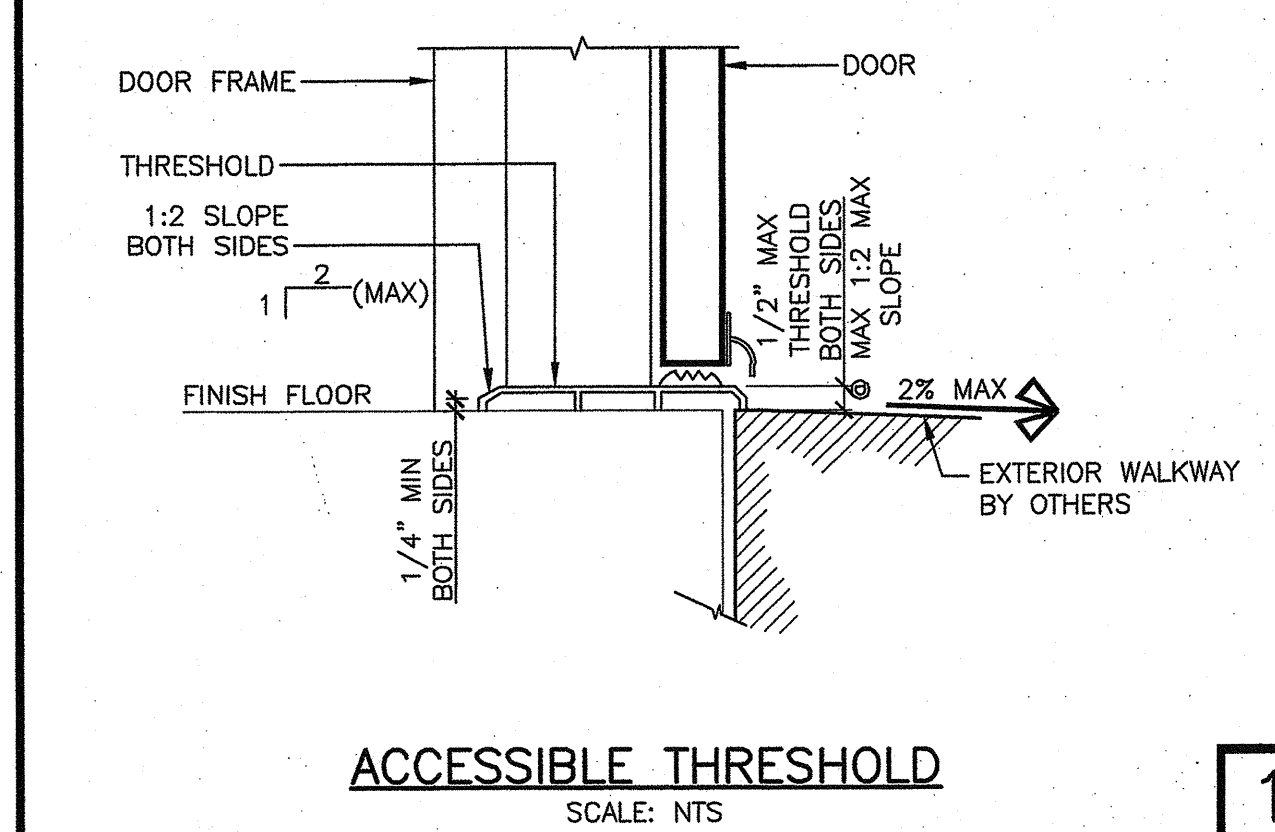
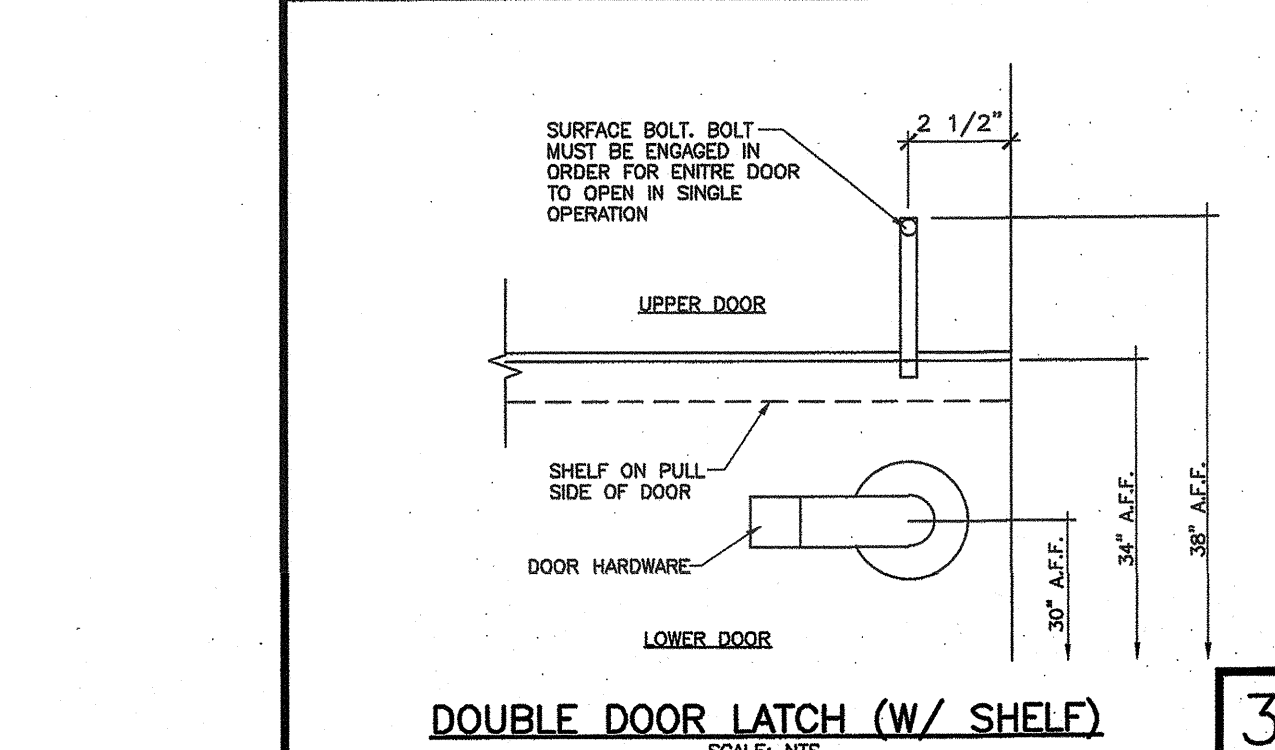
**NOTE:**  
 CBC 1010.1.11 - NEW BUILDINGS ON A 12K PUBLIC SCHOOL CAMPUS SHALL BE PROVIDED WITH LOCKS WHICH ALLOW DOORS TO CLASSROOMS AND ANY ROOM WITH AN OCCUPANT LOAD OF FIVE OR MORE PERSONS TO BE LOCKED FROM THE INTERIOR. LOCKS SHALL CONFORM TO THE SPECIFICATION AND REQUIREMENTS OF SECTION 1010.1.10. EXCEPTIONS INCLUDE DOORS WHICH ARE NORMALLY LOCKED FROM THE OUTSIDE, RELOCATABLE MOVED WITHIN THE SAME CAMPUS, AND RECONSTRUCTION PROJECTS.



OPTIONAL DOOR TYPES



STANDARD DOOR TYPE



ACCESSIBLE THRESHOLD

ROOM FINISH SCHEDULE										
ROOM NUMBER	ROOM NAME	FLOOR FINISH	BASE	WALLS				CEILING FINISH	HEIGHT CEILING	REMARKS
				ELEV. 1	ELEV. 2	ELEV. 3	ELEV. 4			
100	CLASSROOM	CPT	4TB	VT	VT	VT	VT	AT	8'-6"	-
200	CLASSROOM	CPT	4TB	VT	VT	VT	VT	AT	8'-6"	-
300	CLASSROOM	CPT	4TB	VT	VT	VT	VT	AT	8'-6"	-
301	CLASSROOM	CPT	4TB	VT	VT	VT	VT	AT	8'-6"	-

OPTIONAL ROOM FINISH SCHEDULES										
ROOM NUMBER	ROOM NAME	FLOOR FINISH	BASE	WALLS	CEILING FINISH	HEIGHT CEILING	REMARKS			
101	RR/SANITUR/URINAL	SV	6SC	FRP	FRP	FRP	FRP	AT	8'-0"	-
201	RR/SANITUR/URINAL	SV	6SC	FRP	FRP	FRP	FRP	AT	8'-0"	-
302	RR/SANITUR/URINAL	SV	6SC	FRP	FRP	FRP	FRP	AT	8'-0"	-
303	RR/SANITUR/URINAL	SV	6SC	FRP	FRP	FRP	FRP	AT	8'-0"	-

NOTE: FINISHES BY OWNER SHALL COMPLY WITH SPECIFICATIONS ON SHEET A0.2

**FLOOR FINISH LEGEND**  
 CPT: CARPET FLOORING  
 SV: SHEET VINYL FLOORING  
 VCT: VINYL COMPOSITION TILE  
 4TB: 4" TOP SET BASE  
 6TB: 6" TOP SET BASE  
 6SC: 6" SELF COVE BASE  
 BO: BY OWNER

**WALL FINISH LEGEND:** (CHECK BOX WHERE APPLICABLE)  
 1/2" GYP BOARD   
 OPTIONAL 5/8" GYP BOARD   
 NOTE: USE TYPE 'X' GYP BOARD WHERE CALL FOR. USE MOISTURE RESISTANT GYP BOARD BEHIND CLASSROOM SINKS

**CEILING FINISH LEGEND:** (CHECK BOX WHERE APPLICABLE)  
 AT: ACOUSTICAL TILE IN HEAVY DUTY T-BAR GRID  
 HL: 1/2" GYP BOARD TAPE/TEXTURED/PAINTED   
 5/8" GYP BOARD TAPE/TEXTURED/PAINTED

FRP: 1/8" FIBERBOARD REINFORCED PANELS OVER:  
 1/2" MOISTURE RESISTANT GYP BOARD   
 OPTIONAL 5/8" MOISTURE RESISTANT GYP BOARD

PGYP: 1/2" GYP BOARD TAPE/TEXTURED/PAINTED   
 OPTIONAL 5/8" GYP BOARD TAPE/TEXTURED/PAINTED   
 NOTE: USE TYPE 'X' GYP BOARD WHERE CALL FOR. USE MOISTURE RESISTANT GYP BOARD BEHIND CLASSROOM SINKS AND/OR WET AREAS

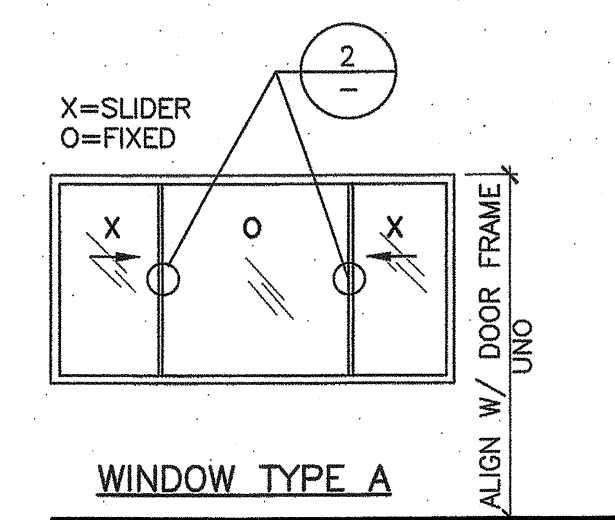
**WINDOW FRAME LEGEND**  
 AL: ALUMINUM  
 HM: HOLLOW METAL

**WINDOW FINISHES**  
 CA: CLEAR ANODIZED  
 BA: BRONZE ANODIZED  
 PNT: PAINTED

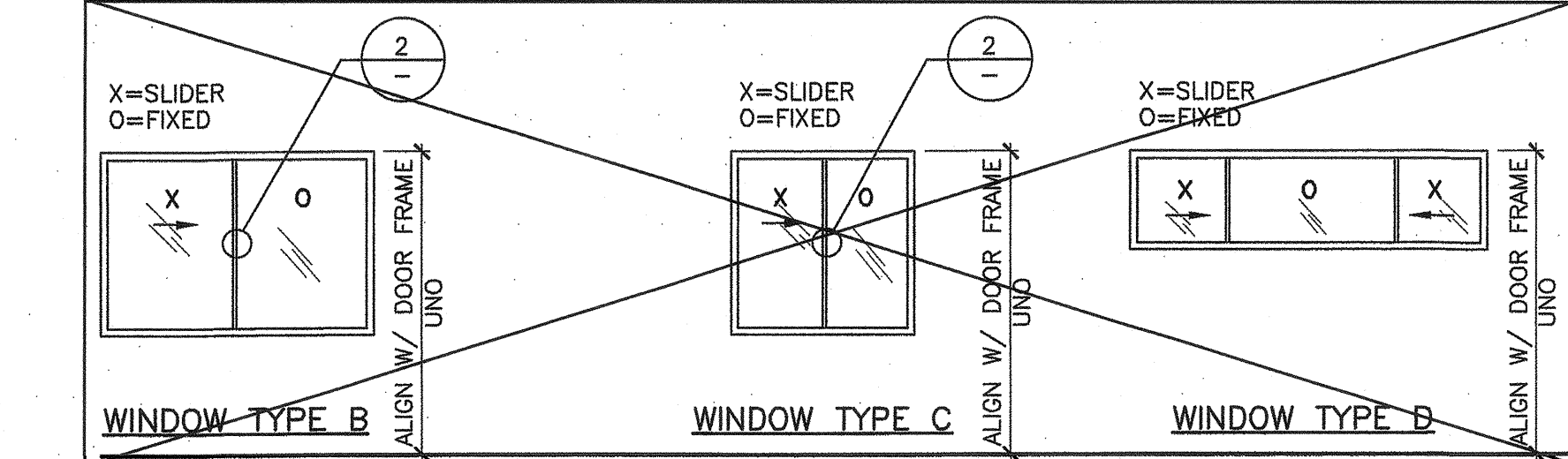
**GLAZING TYPES**  
 1: 46% TEMPERED GRAYLITE  
 2: 14% TEMPERED GRAYLITE  
 3: CLEAR TEMPERED  
 4: DUAL PANE  
 5: SINGLE PANE

**GLAZING NOTE**  
 1. GLAZING U-FACTOR SHALL NOT EXCEED 0.35 MAX  
 2. SHGD SHALL BE 0.24 MAX  
 3. VISIBLE TRANSMITTANCE SHALL NOT EXCEED 0.50 MAX

**STC RATING EXTERIOR WINDOWS**  
 MIN STC 40 RATING



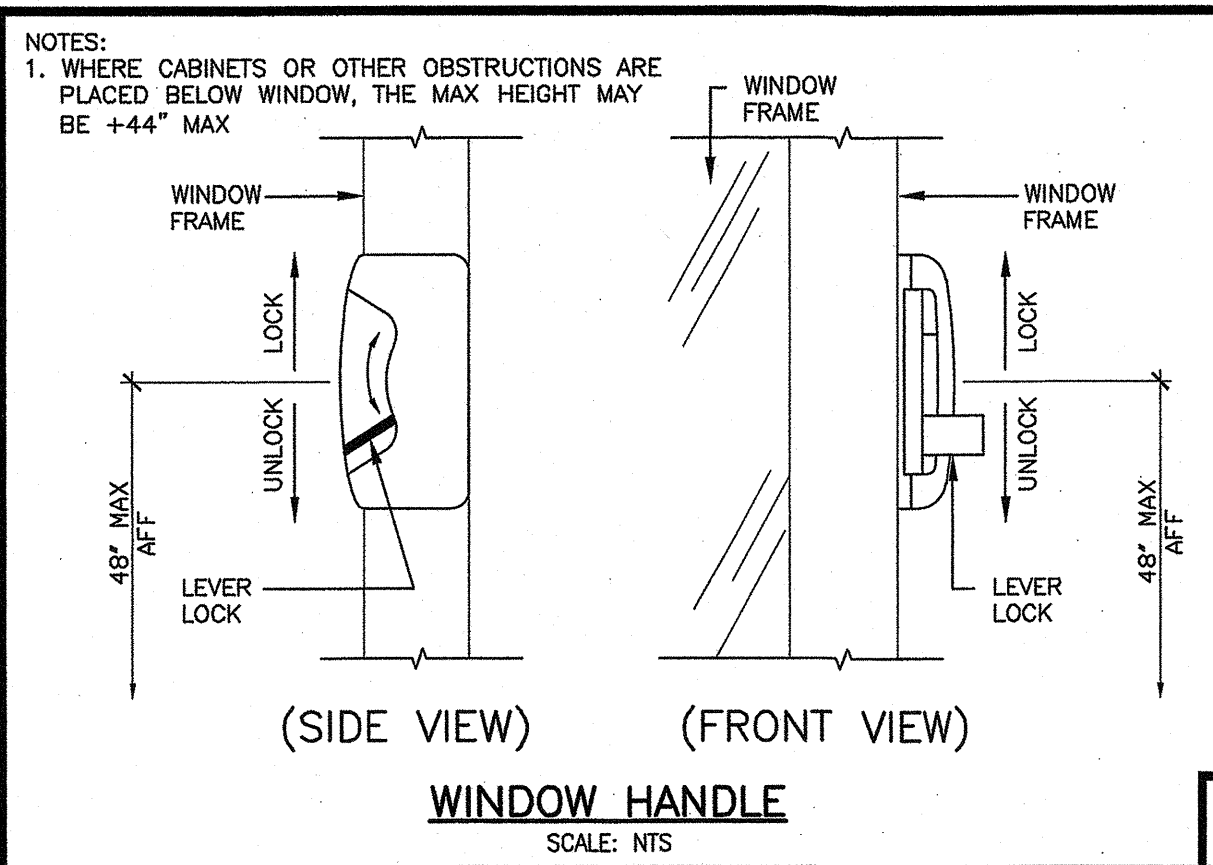
STANDARD WINDOW TYPE



OPTIONAL WINDOW TYPE

WINDOW SCHEDULE							
WINDOW WIDTH	WINDOW HEIGHT	WINDOW FRAME	WINDOW FINISH	WINDOW GLAZING	FIRE RATING	REMARKS	
A	8'-0"	4'-0"	AL	CA	1&4	-	SCREENED
B	2'-6"	3'-0"	AL	CA	1&4	-	FIXED
B	6'-0"	4'-0"	AL	CA	1&4	-	SCREENED
C	4'-0"	4'-0"	AL	CA	1&4	-	SCREENED
B	8'-0"	2'-0"	AL	CA	1&4	-	SCREENED

**NOTE:**  
 OPERATION OF WINDOW AND HARDWARE SHALL NOT REQUIRE MORE THAN 5 LBS MAX FORCE



WINDOW HANDLE

IDENTIFICATION STAMP  
 DIV. OF THE STATE ARCHITECT  
 APPROX 120980  
 AC FLS 03 BY  
 DATE OCT 03 2010

PROJECT SPECIFIC STATE AGENCY APPROVAL

**GLOBAL MODULAR**  
 INCORPORATED  
**AURORA MOTECH**  
 DESIGN  
 MODULAR STRUCTURES INTERNATIONAL, INC.  
 CONTRACTORS LICENSE #837357

NORTHERN CALIFORNIA DIVISION  
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 CHICOHILLA, CA 93010  
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 FAX: (530) 898-8700  
 WEBSITE: WWW.GMOD.COM

SOUTHERN CALIFORNIA DIVISION  
 1680 CHICKADEE AVE., SUITE 2H-21  
 RIVERSIDE, CA 92507  
 PHONE: (951) 898-3633  
 FAX: (951) 898-3682  
 WEBSITE: WWW.GMOD.COM

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PROJECT NAME:  
 SHEET TITLE:  
**FINISH, DOOR & WINDOW SCHEDULES**

MFR. STRUCTURAL ENGINEER OF RECORD ON PC  
 DATE SIGNED: DEC 11 2010  
 MFR. PROJECT SPECIFIC PROFESSIONAL OF RECORD

PROFESSIONAL ARCHITECT  
 HAROLD L. HART  
 C-38002  
 06-30-2021  
 RENEWAL DATE

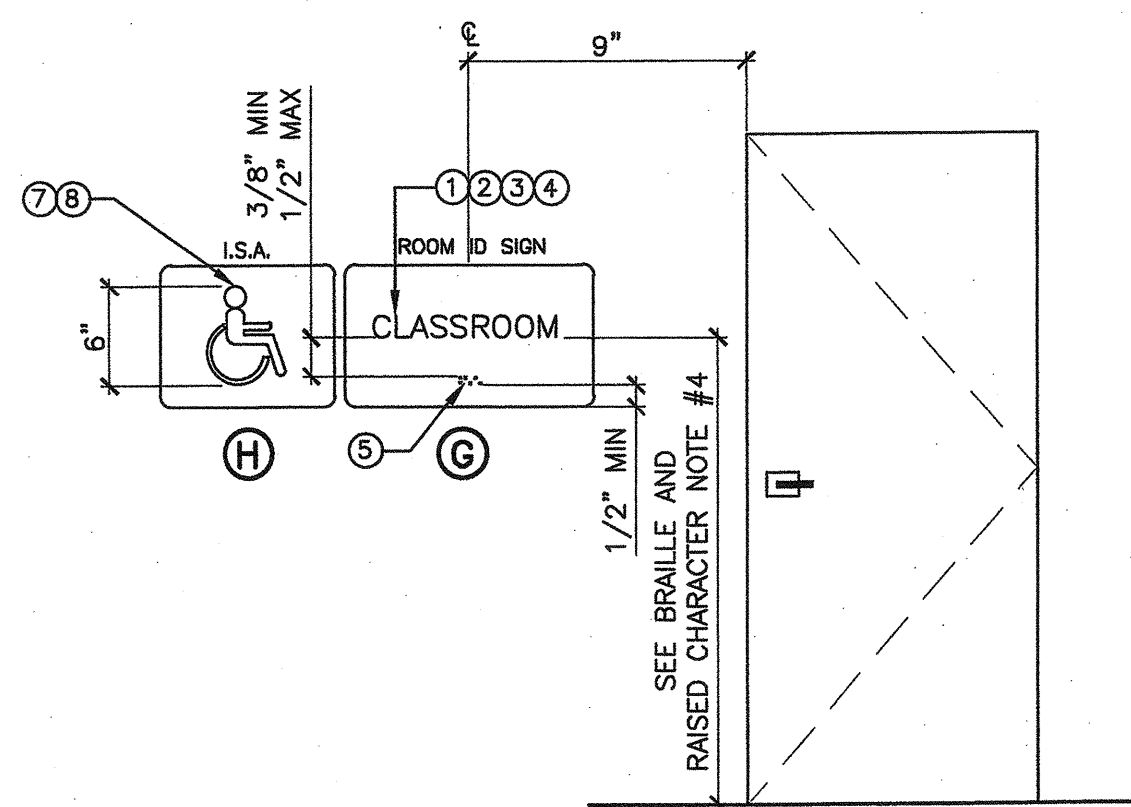
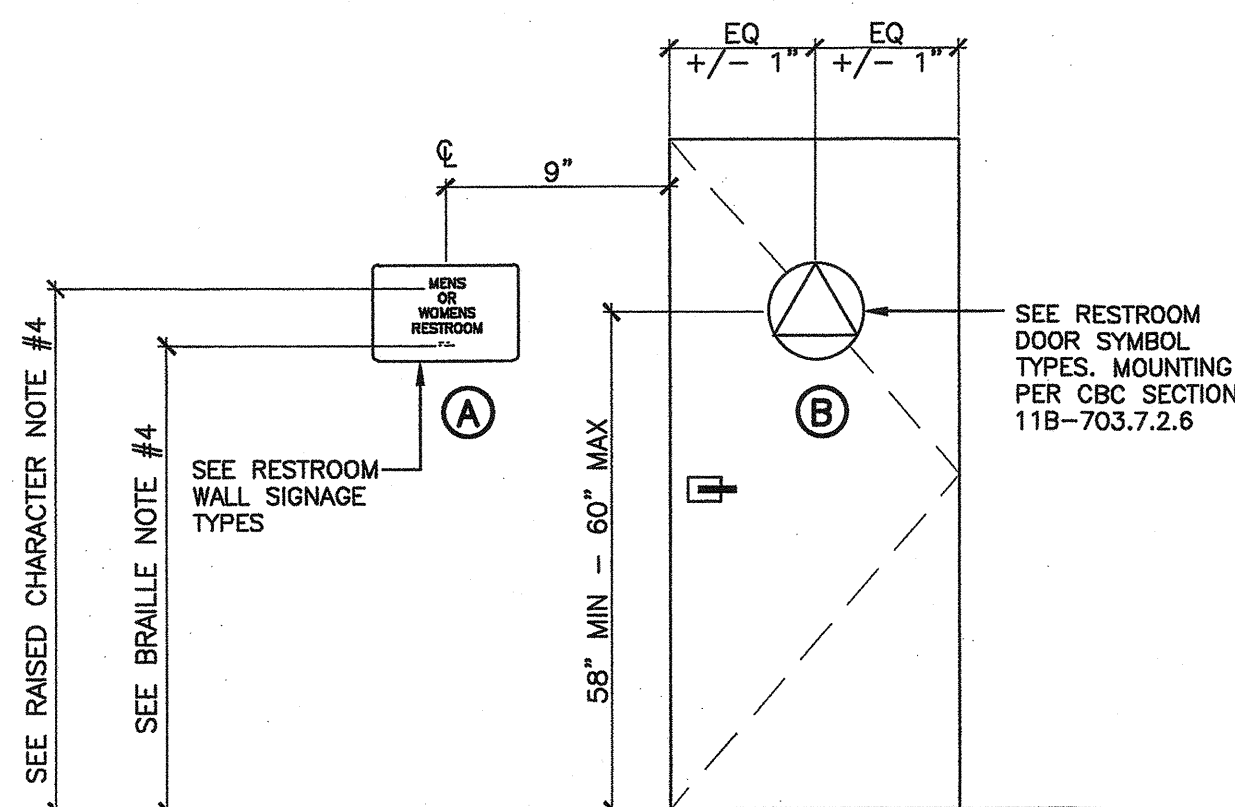
PRE-CHECK (PC) DOCUMENT  
 CODE: 2016 CBC  
 A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRED

IDENTIFICATION STAMP  
 DIV. OF THE STATE ARCHITECT  
 PC/02-116677  
 AC FLS 03 BY  
 DATE DEC 14 2010

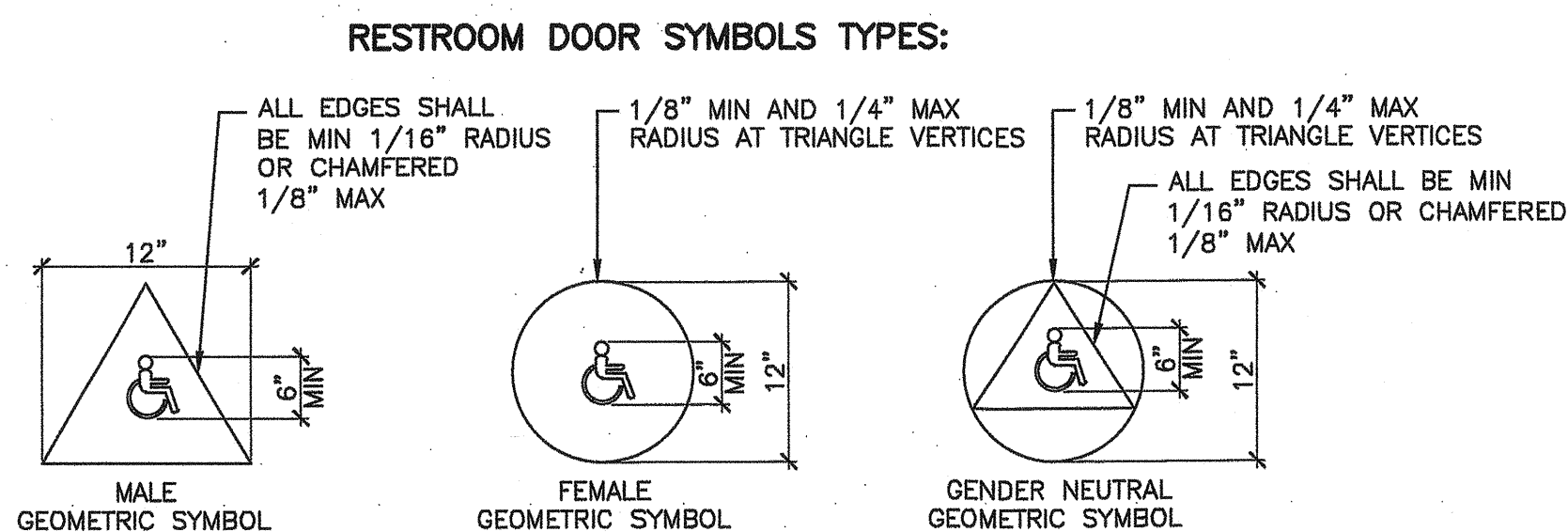
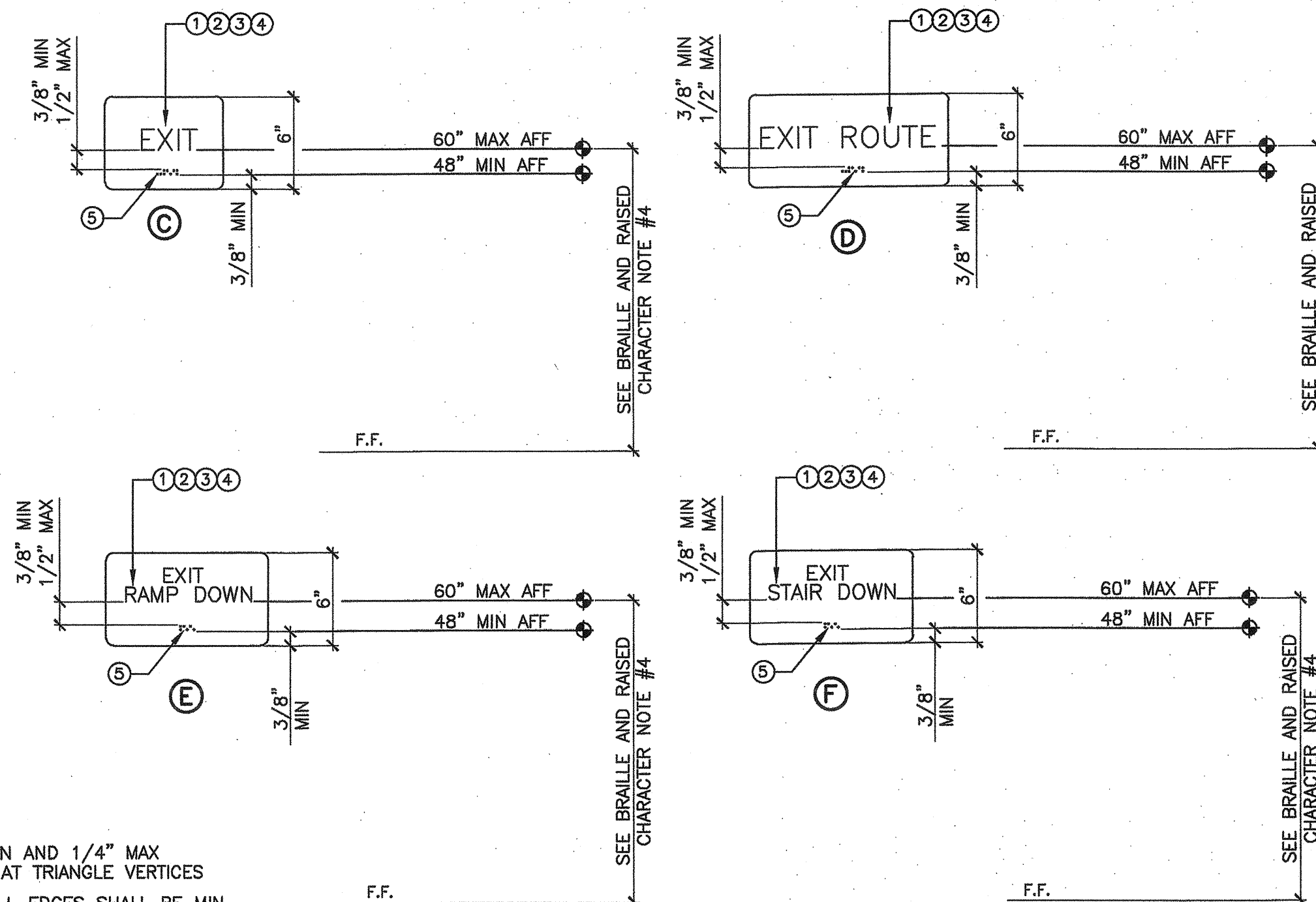
ARCHITECT OF RECORD  
 HAROLD L. HART  
 C-38002  
 06-30-2021  
 RENEWAL DATE

REVISIONS

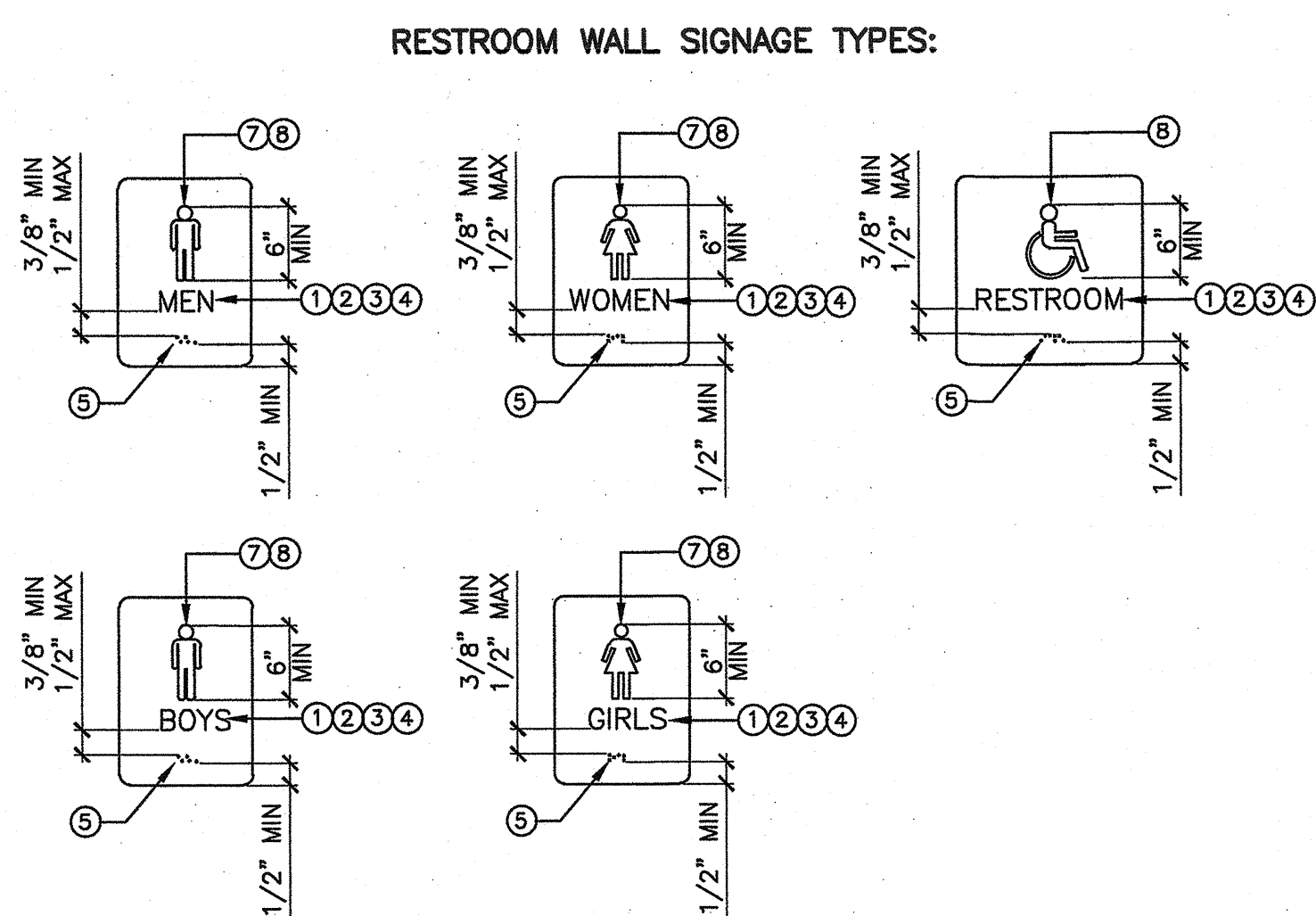

PROJECT NO.: 00-0000  
 DRAWN BY: 00  
 SCALE: AS NOTED  
 DATE: 00-00-00  
 SHEET NUMBER  
**A0.3**



- GENERAL NOTES:**
- EXIT SIGNAGE PER CBC SECTION 11B-703.2 & 11B-703.3
  - REST ROOM SIGNAGE PER CBC SECTION 11B-703.6 REST ROOM WALL AND DOOR SIGNAGE BY MANUFACTURER UNO
  - CLASSROOM SIGNAGE IS FURNISHED AND INSTALLED BY DISTRICT ON-SITE UNO ARCHITECT TO SPECIFY DESIGN AND SIZE
  - EXIT TACTILE SIGN BY MANUFACTURER UNO
  - I.S.A. SIGN BY MANUFACTURER UNO. I.S.A. COLOR AND PROPORTIONS SHALL MATCH CBC FIGURE 11B-703.2.1 TYP WHENEVER USED
  - PER FEDERAL ADAAG, BRAILLE ON RESTROOM GEOMETRIC DOOR SIGNS IS PROHIBITED. TEXT DESIGNATING THE GENDER ACCESS IS OPTIONAL HOWEVER THE TEXT DOES NOT REQUIRE TO COMPLY WITH TACTILE TEXT REQUIREMENTS

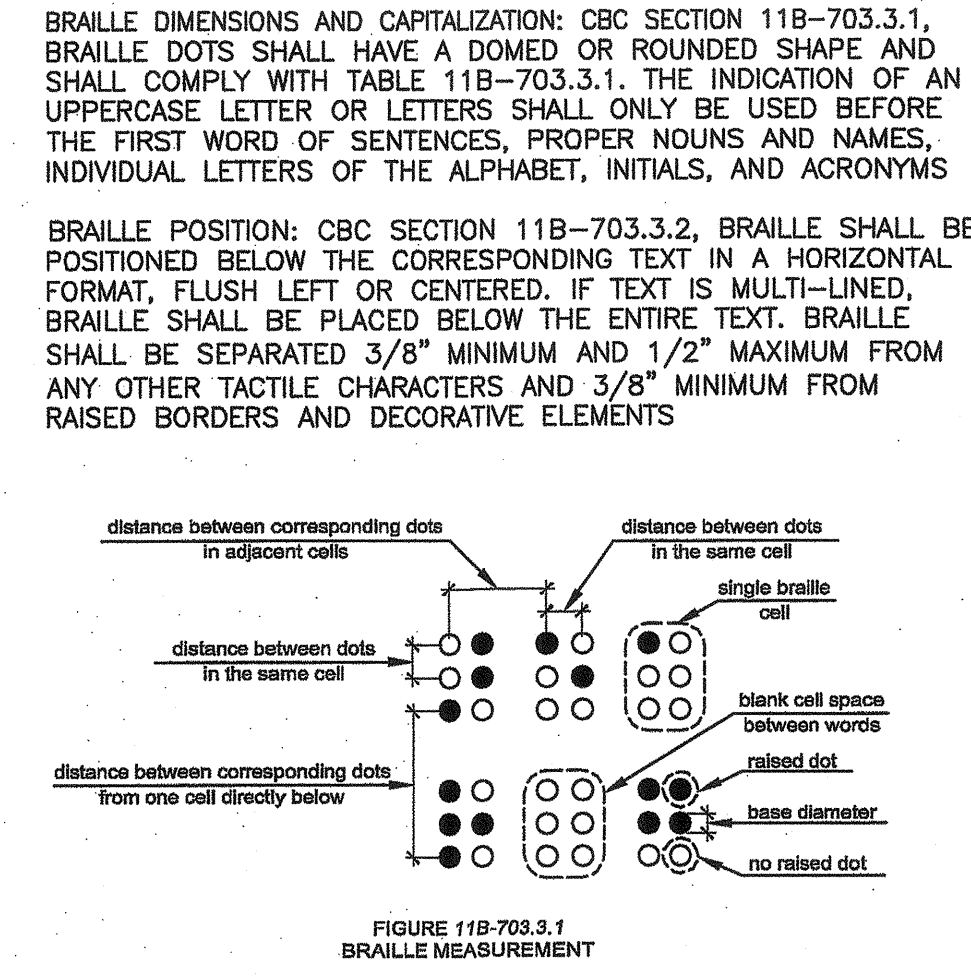


- 12" EQUILATERAL TRIANGLE 1/2" THICK WITH INTERNATIONAL SYMBOL OF ACCESSIBILITY CBC SECTION 11B-703.7.2.8.1 TRIANGLE SHALL CONTRAST WITH DOOR
- 12" CIRCLE 1/2" THICK WITH INTERNATIONAL SYMBOL OF ACCESSIBILITY CBC SECTION 11B-703.7.2.8.2 CIRCLE SHALL CONTRAST WITH DOOR
- 1/4" THICK TRIANGLE SUPERIMPOSED OVER 1/4" THICK TRIANGLE. TRIANGLE MUST CONTRAST IN COLOR FROM THE CIRCLE & CIRCLE SHALL CONTRAST WITH THE DOOR CBC SECTION 11B-703.7.2.8.3

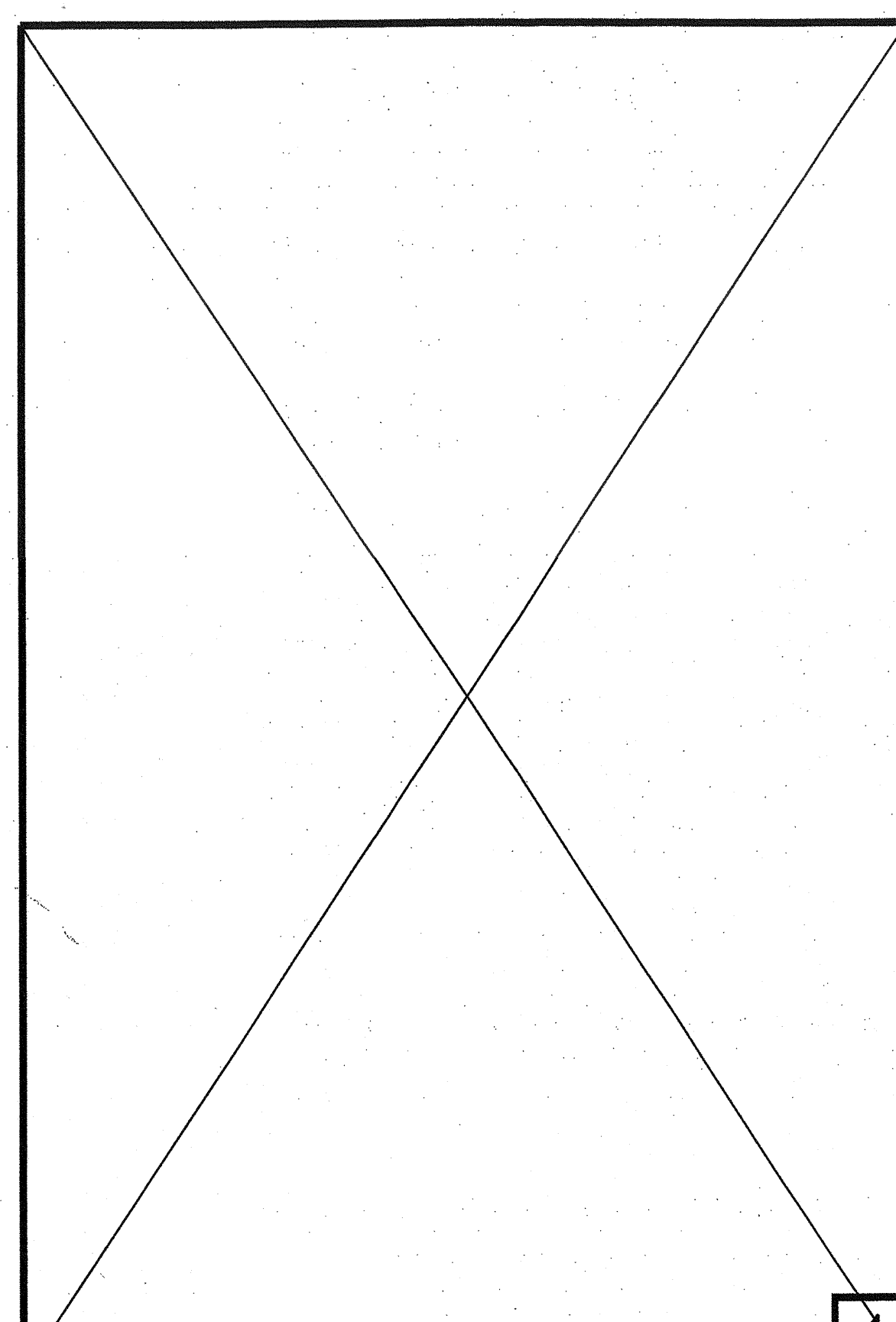


**BRAILLE AND RAISED CHARACTERS**

- RAISED CHARACTERS:** CBC SECTION 11B-703.2, RAISED CHARACTERS SHALL COMPLY WITH SECTION 11B-703.2 AND SHALL BE DUPLICATED IN BRAILLE COMPLYING WITH SECTION 11B-703.3. RAISED CHARACTERS SHALL BE INSTALLED IN ACCORDANCE WITH SECTION 11B-703.4  
 CHARACTER DEPTH: CBC SECTION 11B-703.2.1, RAISED CHARACTERS SHALL BE 1/32" MINIMUM ABOVE THEIR BACKGROUND  
 CHARACTER CASE: CBC SECTION 11B-703.2.2, CHARACTERS SHALL BE UPPERCASE  
 CHARACTER STYLE: CBC SECTION 11B-703.2.3, CHARACTER SHALL BE SANS SERIF. CHARACTERS SHALL NOT BE ITALIC, OBLIQUE, SCRIPT, HIGHLY DECORATIVE, OR OF OTHER UNUSUAL FORMS
- CHARACTER HEIGHT:** CBC SECTION 11B-703.2.5, CHARACTER HEIGHT MEASURED VERTICALLY FROM THE BASELINE OF THE CHARACTER SHALL BE 5/8" MINIMUM AND 2" MAXIMUM BASED ON THE HEIGHT OF THE UPPERCASE LETTER "I"
- FINISH AND CONTRAST:** CBC SECTION 11B-703.5.1, CHARACTERS AND THEIR BACKGROUND SHALL HAVE A NON-GLARE FINISH. CHARACTERS SHALL CONTRAST WITH THEIR BACKGROUND WITH EITHER LIGHT CHARACTERS ON A DARK BACKGROUND OR DARK CHARACTERS ON A LIGHT BACKGROUND
- CHARACTER PROPORTIONS:** CBC SECTION 11B-703.2.4, CHARACTERS SHALL BE SELECTED FROM FONTS WHERE THE WIDTH OF THE UPPERCASE LETTER "O" IS 60 PERCENT MINIMUM AND 110 PERCENT MAXIMUM OF THE HEIGHT OF THE UPPERCASE LETTER "I". STROKE THICKNESS OF THE UPPERCASE LETTER "I" SHALL BE 15 PERCENT MAXIMUM OF THE HEIGHT OF THE CHARACTER
- MOUNTING HEIGHT:** CBC SECTION 11B-703.4.1, TACTILE CHARACTERS ON SIGNS SHALL BE LOCATED 48" MINIMUM ABOVE THE FINISH FLOOR OR GROUND SURFACE, MEASURED FROM THE BASELINE OF THE LOWEST BRAILLE CELLS AND 60" MAXIMUM ABOVE THE FINISH FLOOR OR GROUND SURFACE, MEASURED FROM THE BASELINE OF THE HIGHEST LINE OF RAISED CHARACTERS
- BRAILLE:** CBC SECTION 11B-703.3, BRAILLE SHALL BE CONTRACTED (GRADE 2) AND SHALL COMPLY WITH SECTIONS 11B-703.3 AND 11B-703.4



TYPICAL SIGNAGE



ROOM OCCUPANCY  
"XX"  
MAXIMUM

- NOTES:**
- SIGN MATERIAL TO BE 1/8" THICK ES PLASTIC. MOUNT WITH VANDAL RESISTANT FASTENERS
  - SIGN PROVIDED BY DISTRICT UNO

OCCUPANCY SIGNAGE

**PICTOGRAMS AND SYMBOLS (WALL ROOM I.D. SIGN)**

- PICTOGRAM FIELD:** CBC SECTION 11B-703.6.1, PICTOGRAMS SHALL HAVE A FIELD HEIGHT OF 6 INCHES MINIMUM. CHARACTERS AND BRAILLE SHALL NOT BE LOCATED IN THE PICTOGRAM FIELD
  - FINISH AND CONTRAST:** CBC SECTION 11B-703.6.2, PICTOGRAMS AND THEIR FIELD SHALL HAVE A NON-GLARE FINISH. PICTOGRAMS SHALL CONTRAST WITH THEIR FIELD WITH EITHER A LIGHT PICTOGRAM ON A DARK FIELD OR A DARK PICTOGRAM ON A LIGHT FIELD
  - TEXT DESCRIPTION:** CBC SECTION 11B-703.6.3, PICTOGRAMS SHALL HAVE TEXT DESCRIPTORS LOCATED DIRECTLY BELOW THE PICTOGRAM FIELD. TEXT DESCRIPTION SHALL COMPLY WITH SECTION 11B-703.2, 11B-703.3, AND 11B-703.4
  - INTERNATIONAL SYMBOL OF ACCESSIBILITY:** CBC SECTION 11B-703.7.2.1, THE INTERNATIONAL SYMBOL OF ACCESSIBILITY SHALL COMPLY WITH FIGURE 11B-703.7.2.1. THE SYMBOL SHALL CONSIST OF A WHITE FIGURE ON A BLUE BACKGROUND. THE BLUE SHALL BE COLOR NO. 15090 FEDERAL STANDARD 595C
- EXCEPTION:** THE APPROPRIATE ENFORCEMENT AGENCY MAY APPROVE OTHER COLORS TO COMPLEMENT DECOR OR UNIQUE DESIGNS. THE SYMBOL CONTRAST SHALL BE LIGHT ON DARK OR DARK ON LIGHT
- FINISH AND CONTRAST:** SYMBOLS OF ACCESSIBILITY AND THEIR BACKGROUND SHALL HAVE A NON-GLARE FINISH. SYMBOLS OR ACCESSIBILITY SHALL CONTRAST WITH THEIR BACKGROUND WITH EITHER A LIGHT SYMBOL ON A DARK BACKGROUND OR A DARK SYMBOL ON A LIGHT BACKGROUND

PROJECT SPECIFIC STATE AGENCY APPROVAL

**GLOBAL MODULAR**  
INCORPORATED

**AURORA MODTECH**  
DESIGNS

CONTRACTORS LICENSE #837357

NORTHERN CALIFORNIA DIVISION  
1200 AIRPORT DRIVE  
KROCHILLA, CA 93810  
PHONE: (509) 885-8800  
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1860 GUADALUPE AVE., SUITE #4-21  
RIVERSIDE, CA 92507  
PHONE: (951) 506-3833  
FAX: (951) 506-3832  
WEBSITE: WWW.GDM.NET

PROJECT NAME:

SHEET TITLE:

**SIGNAGE SPECIFICATIONS AND ACCESSIBILITY**

MFR. STRUCTURAL ENGINEER OF RECORD ON PC

MFR. PROJECT SPECIFIC PROFESSIONAL OF RECORD

ARCHITECT OF RECORD

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

IDENTIFICATION STAMP  
DIV. OF THE STATE ARCHITECT

APPROX 180280  
AC FLS SS  
DATE: OCT 11 2019

PC 02-116677  
RENEWAL DATE: DEC 1 2018

REVISIONS

PROJECT NO.:	00-0000
DRAWN BY:	00
SCALE:	AS NOTED
DATE:	00-00-00
SHEET NUMBER	

**A0.4**

**GLOBAL MODULAR**  
INCORPORATED

450 COMMERCE AVE  
ATWATER, CA 95301  
PHONE (209) 676-8028  
FAX (209) 676-8087

DSA #: \_\_\_\_\_ FLOOR LIVE LOAD: \_\_\_\_\_  
CBC EDITION: \_\_\_\_\_ ROOF LIVE LOAD: \_\_\_\_\_  
MFG DATE: \_\_\_\_\_ WIND LOAD: \_\_\_\_\_  
SEISMIC DESIGN PARAMETER: \_\_\_\_\_ ROOF SNOW LOAD: \_\_\_\_\_  
DESIGN CLIMATE ZONE(S): \_\_\_\_\_ EXPOSURE CATEGORY: \_\_\_\_\_

SERIAL NUMBER: \_\_\_\_\_

BUILDING I.D. TAG  
SCALE: TAG

CALGREEN VOC LIMITS					
ARCHITECTURAL COATINGS VOC LIMITS			ADHESIVES VOC LIMITS		
COATING CATEGORY	CURRENT VOC LIMIT	CAL GREEN CODE REFERENCE	ADHESIVES (ARCHITECTURAL APPLICATIONS)	CURRENT VOC LIMIT	CAL GREEN CODE REFERENCE
FLAT COATINGS	50	TABLE 5.504.4.3	INDOOR CARPET ADHESIVES	50	TABLE 5.504.4.1
NONFLAT COATINGS	100	TABLE 5.504.4.3	CARPET PAD ADHESIVES	50	TABLE 5.504.4.1
NONFLAT HIGH GLOSS COATINGS	150	TABLE 5.504.4.3	OUTDOOR CARPET ADHESIVES	150	TABLE 5.504.4.1
<b>SPECIALTY COATINGS</b>			WOOD FLOORING ADHESIVES	100	TABLE 5.504.4.1
ALUMINUM ROOF COATINGS	400	TABLE 5.504.4.3	RUBBER FLOORING ADHESIVES	80	TABLE 5.504.4.1
BASEMENT SPECIALTY COATINGS	400	TABLE 5.504.4.3	SUBFLOOR FLOOR ADHESIVES	50	TABLE 5.504.4.1
BITUMINOUS ROOF COATINGS	50	TABLE 5.504.4.3	CERAMIC TILE ADHESIVES	65	TABLE 5.504.4.1
BITUMINOUS ROOF PRIMERS	350	TABLE 5.504.4.3	VCT AND ASPHALT TILE ADHESIVES	50	TABLE 5.504.4.1
BOND BREAKERS	350	TABLE 5.504.4.3	DRYWALL AND PANEL ADHESIVES	50	TABLE 5.504.4.1
CONCRETE CURING COMPOUNDS	350	TABLE 5.504.4.3	COVE BASE ADHESIVES	50	TABLE 5.504.4.1
CONCRETE/MASONRY SEALERS	100	TABLE 5.504.4.3	STRUCTURAL GLAZING ADHESIVES	100	TABLE 5.504.4.1
DRIVEWAY SEALERS	50	TABLE 5.504.4.3	SINGLE PLY ROOF MEMBRANE ADHESIVES	250	TABLE 5.504.4.1
DRY FOG COATINGS	150	TABLE 5.504.4.3	OTHER ADHESIVES NOT SPECIFICALLY LISTED	50	TABLE 5.504.4.1
FAUX FINISHING COATINGS	350	TABLE 5.504.4.3	<b>SPECIALTY APPLICATIONS</b>		
FIRE RESISTIVE COATINGS	350	TABLE 5.504.4.3	PVC WELDING	510	TABLE 5.504.4.1
FLOOR COATINGS	100	TABLE 5.504.4.3	CPVC WELDING	490	TABLE 5.504.4.1
FORM RELEASE COMPOUNDS	250	TABLE 5.504.4.3	ABS WELDING	325	TABLE 5.504.4.1
GRAPHIC ARTS COATINGS (SIGN PAINTS)	500	TABLE 5.504.4.3	PLASTIC CEMENT WELDING	250	TABLE 5.504.4.1
HIGH TEMPERATURE COATINGS	420	TABLE 5.504.4.3	ADHESIVE PRIMER FOR PLASTIC	550	TABLE 5.504.4.1
INDUSTRIAL MAINTENANCE COATING	250	TABLE 5.504.4.3	CONTACT ADHESIVE	80	TABLE 5.504.4.1
LOW SOLIDS COATINGS	120	TABLE 5.504.4.3	SPECIAL PURPOSE CONTACT ADHESIVE	250	TABLE 5.504.4.1
MAGSENETE CEMENT COATINGS	450	TABLE 5.504.4.3	STRUCTURAL WOOD MEMBER ADHESIVE	140	TABLE 5.504.4.1
MASTIC TEXTURE COATINGS	100	TABLE 5.504.4.3	TOP AND TRIM ADHESIVE	250	TABLE 5.504.4.1
METALLIC PIGMENTED COATINGS	500	TABLE 5.504.4.3	<b>SUBSTRATE SPECIFIC APPLICATIONS</b>		
MULTICOLOR COATINGS	250	TABLE 5.504.4.3	METAL TO METAL	30	TABLE 5.504.4.1
PRETREATMENT WASH PRIMERS	420	TABLE 5.504.4.3	PLASTIC FOAMS	50	TABLE 5.504.4.1
PRIMERS, SEALERS AND UNDERCOATS	100	TABLE 5.504.4.3	POROUS MATERIALS (EXCEPT WOOD)	50	TABLE 5.504.4.1
REACTIVE PENETRATING SEALERS	350	TABLE 5.504.4.3	WOOD	30	TABLE 5.504.4.1
RECYCLED COATINGS	250	TABLE 5.504.4.3	FIBERGLASS	80	TABLE 5.504.4.1
ROOF COATINGS	50	TABLE 5.504.4.3	<b>SEALANT VOC LIMITS</b>		
RUST PREVENTATIVE COATINGS	250	TABLE 5.504.4.3	SEALANTS	CURRENT VOC LIMIT	CAL GREEN CODE REFERENCE
SHELLACS CLEAR OPAQUE	730 950	TABLE 5.504.4.3	ARCHITECTURAL	250	TABLE 5.504.4.2
SPECIALTY PRIMERS, SEALERS AND UNDERCOATS	100	TABLE 5.504.4.3	MARINE DECK	760	TABLE 5.504.4.2
STAINS	250	TABLE 5.504.4.3	NONMEMBRANE ROOF	300	TABLE 5.504.4.2
STONE CONSOLIDANTS	450	TABLE 5.504.4.3	ROADWAY	250	TABLE 5.504.4.2
SWIMMING POOL COATINGS	340	TABLE 5.504.4.3	SINGLE PLY ROOF MEMBRANE	450	TABLE 5.504.4.2
TRAFFIC MARKING COATINGS	100	TABLE 5.504.4.3	OTHER	420	TABLE 5.504.4.2
TUB AND TILE REFINISH COATINGS	420	TABLE 5.504.4.3	<b>SEALANT PRIMERS</b>		
WATERPROOFING MEMBRANE	250	TABLE 5.504.4.3	ARCHITECTURAL NONPOROUS POROUS	250 775	TABLE 5.504.4.2
WOOD COATINGS	275	TABLE 5.504.4.3	MODIFIED BITUMINOUS	500	TABLE 5.504.4.2
WOOD PRESERVATIVES	350	TABLE 5.504.4.3	MARINE DECK	760	TABLE 5.504.4.2
ZINC RICH PRIMERS	340	TABLE 5.504.4.3	OTHER	750	TABLE 5.504.4.2

COMMON OUTDOOR ACTIVITIES	NOISE LEVEL	COMMON INDOOR ACTIVITIES
JET FLY OVER AT 1,000 FT	110	ROCK BAND
CAS LAWN MOWER AT 3 FT	100	
	90	FOOD BLENDER AT 3 FT
DIESEL TRUCK AT 50 FT AT 50 MPH		
NOISY URBAN AREA, DAYTIME	80	GARBAGE DISPOSAL AT 3 FT
GAS LAWN MOWER AT 100 FT		VACUUM CLEANER AT 10 FT
COMMERCIAL AREA	70	NORMAL SPEECH AT 3 FT
HEAVY TRAFFIC AT 300 FT	60	LARGE BUSINESS OFFICE
QUIET URBAN, DAYTIME	50	DISHWASHER NEXT ROOM
QUIET URBAN, NIGHT TIME		THEATRE
QUIET SUBURBAN, NIGHT TIME	40	LARGE CONFERENCE ROOM BACKGROUND
QUIET RURAL, NIGHT TIME		LIBRARY
	30	BEDROOM AT NIGHT
		CONCERT HALL, BACKGROUND
	20	BROADCAST / RECORDING STUDIO
	10	
LOWEST THRESHOLD OF HUMAN HEARING	0	LOWEST THRESHOLD OF HUMAN HEARING

**GENERAL NOTES**

- ALL MECHANICAL EQUIPMENT WHICH REQUIRES A FILTER SHALL NOT BE OPERATED WITHOUT A FILTER IN PLACE
- ALL FILTERS SHALL HAVE A MERV RATING OF 8 OR GREATER.
- PER SECTION 5.404.3 COVERING OF DUCT OPENINGS AND PROTECTION OF MECHANICAL EQUIPMENT DURING CONSTRUCTION SHALL BE PERFORMED AT THE END OF EACH WORK DAY AND DURING SHIPMENT OF RELOCATABLE BUILDING. ALL EXPOSED DUCTWORK AND EQUIPMENT SHALL BE COVERED
- WHEN REQUIRED, EXTERIOR WINDOWS SHALL COMPLY WITH SECTION 5.404.4.1 FOR EXTERIOR NOISE TRANSMISSION. MIN STC 40 RATING. SEE SHEET A0.3 FOR REFERENCE.
- PER SECTION 5.504.4.6 FOR 80% OF FLOOR AREA RECEIVING RESILIENT FLOORING, INSTALLED RESILIENT FLOORING SHALL MEET AT LEAST ONE OF THE FOLLOWING CONDITIONS:
  - CERTIFIED UNDER THE RESILIENT FLOOR COVERING INSTITUTE (RFCI) FLOORSORE PROGRAM.
  - COMPLIANT WITH THE VOC-EMISSION LIMITS AND TESTING REQUIREMENTS SPECIFIED IN THE CALIFORNIA DEPARTMENT OF PUBLIC HEALTH'S 2010 STANDARD METHOD FOR THE TESTING AND EVALUATION CHAMBERS, VERSION 1.1, FEBRUARY 2010.
  - COMPLIANT WITH THE COLLABORATIVE FOR HIGH PERFORMANCE SCHOOLS CALIFORNIA (CA-CHPS) CRITERIA INTERPRETATION FOR EQ 7.0 AND EQ 7.1 (FORMERLY EQ 2.2) DATED JULY 2012 AND LISTED IN THE CHPS HIGH PERFORMANCE PRODUCT DATABASE.
  - PRODUCTS CERTIFIED UNDER UL GREENGUARD GOLD (FORMERLY THE GREENGUARD CHILDREN'S AND SCHOOLS PROGRAM)
- PER SECTION 5.504.4.4.6.1 DOCUMENTATION SHALL BE PROVIDED VERIFYING THAT THE RESILIENT FLOORING MATERIALS MEET THE POLLUTANT EMISSION LIMITS

**ACOUSTICAL CONTROL**

WHEN THE PC (OR BLDG) IS SITE ADAPTED, THE BUILDING AND SITE FEATURES NEED TO COMPLY WITH THE CALGREEN CODE SECTION 5.507.4 FOR THE SPECIFIC SITE LOCATION, AND WHEN THE NEW PC (OR BLDG) IS PLACED ADJACENT TO ANOTHER EXISTING PC BUILDING (WITH ZERO SEPARATION), THE ADJOINING WALL SECTION FOR INTERIOR SOUND TRANSMISSION MUST MEET THE MINIMUM REQUIREMENT OF A STC RATING OF 40 PER SECTION 5.507.4.3

PROJECT SPECIFIC STATE AGENCY APPROVAL

**GLOBAL MODULAR**  
INCORPORATED

**AURORA MODTECH**  
DESIGNS

CONTRACTORS LICENSE #837357

NORTHERN CALIFORNIA DIVISION 1200 HOPKINS DRIVE CHOWCHILLA, CA 93610  
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PROJECT NAME:

SHEET TITLE:

**CALGREEN REQUIREMENTS**

MFR. STRUCTURAL ENGINEER OF RECORD ON PC

DATE SIGNED:  
DEC 1 1 2018

MFR. PROJECT SPECIFIC PROFESSIONAL OF RECORD

ARCHITECT OF RECORD

**HAROLD L. HART**  
C-38002  
RENEWAL DATE: 06-30-2021

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

IDENTIFICATION STAMP  
DIV. OF THE STATE ARCHITECT

PC 02-118677  
DATE: DEC 1 1 2018

REVISIONS

PROJECT NO.: 00-0000  
DRAWN BY: 00  
SCALE: AS NOTED  
DATE: 00-00-00  
SHEET NUMBER

**A0.6**

APPROVED: 120280  
AC WA FLS / SS  
DATE: OCT 1 2 2018

TEST AND INSPECTIONS FORM DSA 103

**DSA** DSA-103 (REV. 01-2017)  
 Division of the State Architect  
 Department of General Services  
 State of California

**List of Required Structural Tests & Special Inspections - 2016 CBC**

Project Name: \_\_\_\_\_ DSA File No.: \_\_\_\_\_ Application No.: \_\_\_\_\_  
 Date Submitted: \_\_\_\_\_ Reviewed: \_\_\_\_\_

**IMPORTANT:** This form is a summary list of structural tests and some of the special inspections required for the project. Generally, the structural tests and special inspections noted on this form are those that will be performed by the Geotechnical Engineer of Record, Laboratory of Record, or Special Inspector. The actual complete test and inspection program must be performed as detailed on the DSA approved documents. The approval on the bottom of this form signifies work NOT subject to DSA requirements for special inspection or structural testing. The project inspector is responsible for providing inspection of all facets of construction, including but not limited to, special inspections not listed on this form such as structural wood framing, high-tensile steel diaphragms, cold-formed steel framing, anchorage of non-structural components, etc., per Title 24, Part 2, Chapter 17A.

**INSTRUCTIONS:** Check a plus sign (+) before any category or subcategory to reveal additional tests and special inspections. A shaded box indicates a test or special inspection that may be required, depending on the scope of the construction and other issues. A shaded box can be checked indicating your selection of that test. Note: A minus (-) on a category or subcategory heading indicates that it can be collapsed. However, any selections you may have made will be cleared. Click on the "COLLAPSE" button to show only the tests and inspections truly selected. For more information on use of this form, see DSA-103-INSTR.

**NOTE:** This form is also available for projects submitted for review under the 2007, 2010, and 2013 CBC.

Note: References are to the 2016 edition of the California Building Code (CBC) unless otherwise noted.

TEST OR SPECIAL INSPECTION	PERIODIC	TEST	INSPECTION	CODE REFERENCE AND NOTES
<b>SOILS</b>				
<b>1. GENERAL</b>				
a. Verify that: • tests have been prepared properly per placement of foundation • inspection procedures are reviewed in proper depth and have included proper materials, and • minimum lateral loadings are adequate to achieve the design bearing capacity.	Periodic	GE	SI	Table 1706A.6 By geotechnical engineer or his or her qualified representative (See Appendix B) (nonpermitted)
<b>2. COMPACTED FILLS</b>				
a. Perform classification and testing of fill materials.	Test	LOR	SI	Under the supervision of the geotechnical engineer.
b. Verify use of proper materials, densities and spacing (if applicable), placement, and compaction (timing placement of fill).	Continuous	GE	SI	By geotechnical engineer or his or her qualified representative
c. Test connection of fill.	Test	LOR	SI	Under the supervision of the geotechnical engineer.
<b>CONCRETE</b>				
<b>7. CAST IN PLACE CONCRETE</b>				
<b>Material Verification and Testing:</b>				
a. Verify use of required design mix.	Periodic	SI	SI	Table 1706A.3 Item 5, 1706A.1 (1909.2.3). *To be performed by qualified batch-plant inspector and concrete subcontractor technician.
b. Identify, sample, and test reinforcing steel.	Test	LOR	SI	1909A.2 (1909.2.4), ACI 318-14 Section 26.6.2, DSA IR 17-10-36
c. During concrete placement, verify specimens for strength tests performed during and after curing tests, and determine the temperature of the concrete.	Test	LOR	SI	Table 1706A.3 Item 6, ACI 318-14 Section 26.6.3 & 26.12
d. Test concrete (f <sub>c</sub> ).	Test	LOR	SI	1908A.1.10 (1909.3.7), ACI 318-14 Section 26.12
<b>Inspection:</b>				
a. Batch plant inspection. <input type="checkbox"/> Continuous <input type="checkbox"/> Periodic	See Notes	SI	SI	Detail of "Continuous" per 1706A.3.1. If approved by DSA, batch-plant inspection may be reduced to "Periodic" subject to requirements in Section 1706A.3.1 or as indicated per 1706A.3.2. (See Appendix B for exemptions).
<b>MASONRY</b>				
<b>17. STRUCTURAL STEEL, COLD-FORMED STEEL, AND ALUMINUM USED FOR STRUCTURAL PURPOSES</b>				
<b>Material Verification:</b>				
a. Verify identification of all materials used: • All certified materials material certificate that comply with requirements.	Periodic	SI	SI	2209A.1 (2201.1), Table 1706A.2.1 Item 2a-c; 1908-1907-10 Section A2.1.5, A2.2, A6I (600-12 Section A9, A9I (920-11 Section A4). By special inspector or qualified technician when performed on-site.
b. Material types, sizes and grades comply with requirements.	Test	LOR	SI	2209A.1 (2201.1)
c. Examine welds made of HSS shapes.	Periodic	SI	SI	DSA IR 17-3.
<b>Inspection:</b>				
a. Verify and document steel fabrication per DSA approved construction documents.	Periodic	SI	SI	Not applicable to cold-formed steel/light-frame construction, except for truss (1706A.2.4)
<b>19. WELDING:</b>				
<b>Verification of Materials, Equipment, Workmen, etc:</b>				
a. Verify welds that minimum identification markings per AWS; designation listed on the DSA approved documents and the WPS.	Periodic	SI	SI	1706A.2.4, Table 1706A.2.1 Items 4 & 5; DSA IR 17-3; AWS D1.1 and AWS D1.5 for structural steel; AWS D1.1 for aluminum; AWS D1.3 for cold-formed steel; AWS D1.4 for reinforcing steel. (See Appendix B for exemptions)
b. Verify welds that material manufacturer's certificate of conformance.	Periodic	SI	SI	DSA IR 17-3.
c. Verify WPS, welder qualifications and equipment.	Periodic	SI	SI	DSA IR 17-3.
<b>19.1 SHOP WELDING:</b>				
a. Inspect groove welds, multipass flat welds, single pass flat welds < 1/4", flat and fillet welds.	Continuous	SI	SI	Table 1706A.2.1 Item 6a1-4; For AWS 308-10 and AWS 341-10 see applicable; DSA IR 17-2
b. Inspect single pass flat welds > 1/4", flat and fillet welds.	Periodic	SI	SI	1706A.2.1, Table 1706A.2.1 Item 6a5 & 6a6; For AWS 308-10 and AWS 341-10 see applicable; DSA IR 17-2
c. Inspect welding of plates and railing systems.	Periodic	SI	SI	1706A.2.1, For AWS 308-10 and AWS 341-10 see applicable; AWS D1.1 & D1.3; DSA IR 17-3.
<b>19.2 FIELD WELDING:</b>				
a. Inspect groove welds, multipass flat welds, single pass flat welds < 1/4", flat and fillet welds.	Continuous	SI	SI	Table 1706A.2.1 Item 6a1-4; For AWS 308-10 and AWS 341-10 see applicable; DSA IR 17-3.
b. Inspect single pass flat welds > 1/4"	Periodic	SI	SI	Table 1706A.2.1 Item 6a5, For AWS 308-10 and AWS 341-10 see applicable; DSA IR 17-3.
<b>20. NONDESTRUCTIVE TESTING:</b>				
a. Ultrasonic	Test	LOR	SI	1706A.2.1 & 1706A.2.3; AWS 308-10 and AWS 341-10; AWS D1.1, D1.3 & AWS D1.5
b. Magnetic Particle	Test	LOR	SI	199-3917-1A; DSA IR 17-2
<b>21. STEEL JOISTS AND TRUSSES:</b>				
a. Verify the use and proper fit of shop welds and members as well as connections and field stiffeners; verify joint profile, dimensions and corner (if applicable); verify all weld locations, lengths and profiles; mark or tag each joint.	Continuous	SI	SI	1706A.2.3, Table 1706A.2.3; AWS D1.1 and DSA IR 22-3 for steel joists only; 1706A.2.4; AWS D1.3 for cold-formed steel trusses.
<b>WOOD</b>				
<b>OTHER</b>				

**List of required verified reports:**

1. Both testing and inspection: Geotechnical Verified Report - Form DSA-299  
 2. All Structural Testing: Laboratory Verified Report - Form DSA-291  
 3. Concrete Batch Plant Inspection: Laboratory Verified Report - Form DSA-291  
 4. Shop Welding Inspection: Laboratory Verified Report - Form DSA-291, or, for independently contracting SI, Special Inspection Verified Report - Form DSA-292  
 5. Field Welding Inspection: Laboratory Verified Report - Form DSA-291, or, for independently contracting SI, Special Inspection Verified Report - Form DSA-292  
 6. Steel Joist Fabrication Inspection: Laboratory Verified Report - Form DSA-291, or, for independently contracting SI, Special Inspection Verified Report - Form DSA-292

**KEY to Columns:**

1 - Type	2 - Performed By
Continuous - Indicates that a continuous special inspection is required	GE - Indicates that the special inspection is to be performed by a registered geotechnical engineer or his or her qualified representative
Periodic - Indicates that a periodic special inspection is required	LOR - Indicates that the test or inspection is to be performed by a testing laboratory accepted in the DSA Laboratory Evaluation and Acceptance (LEA) Program. See section 9-3.6, 2013 CBC Title 24, Part 1
Test - Indicates that a test is required	SI - Indicates that the special inspection is to be performed by a special inspector

Signature of Architect or Engineer in general responsible charge: \_\_\_\_\_  
 Signature of Structural Engineer in general responsible charge: \_\_\_\_\_  
 Signature of Architect or Engineer in charge of the project: \_\_\_\_\_

IDENTIFICATION STAMP  
 DIV. OF THE STATE ARCHITECT  
 APP. # \_\_\_\_\_  
 AC: N/A FILE: N/A SS: \_\_\_\_\_  
 DATE: \_\_\_\_\_

THE EXAMPLE FORM DSA 103 SHOWN ON THIS SHEET IS FOR ILLUSTRATION PURPOSES ONLY. A SEPARATE FORM DSA 103 IS TO BE COMPLETED FOR EACH PROJECT SPECIFIC APPLICATION THAT THIS PC IS BEING INCORPORATED INTO. FORM DSA-103 IS TO BE COMPLETED BY THE ARCHITECT OF RECORD FOR THE OVERALL SCOPE OF WORK ON THE PROJECT SPECIFIC APPLICATION. MODULAR BUILDING MANUFACTURER (OR DESIGN BUILD CONTRACTOR) IS ONLY RESPONSIBLE FOR COMPLETING FORM DSA-103 ON STOCKPILE PROJECTS. THE EXAMPLE FORM DSA-103 SHALL BE CROSSED OUT ON THIS DRAWING.

OVER-THE-COUNTER CHECKLIST

DSA PL 07-02  
 OVER-THE-COUNTER REVIEW OF PROJECTS USING PRE-CHECK APPROVED DESIGNS

**Appendix A - OTC Package Checklist**

**A. Administrative Documents**

- Complete application (form DSA 1). Carefully verify all design parameters before checking appropriate boxes in Section 26 (supporting documentation may be requested to verify site conditions).
- Application fee. Estimated cost must include building/structure and all site work. The cost of the building/structure need not be included if the building/structure is being relocated within the same school district. See Section 9 above for fee schedule.
- For K through 12 schools, the Project Tracking Number (PTN) for coordination with the Office of Public School Construction (OPSC). To obtain a PTN number visit: <https://www.dsapages.dsa.ca.gov/OPSC/PT>
- A copy of this completed checklist and a completed copy of the Project Submittal Checklist (form DSA 3).
- Complete "Record Set Handling Instructions" (form DSA 146) and a copy of the drawing sheet index on 8-1/2" x 11" paper.

**B. Drawings**

- Site Drawings (including all non-PC drawings): One signed set of drawings, and one check print/copy (additional check sets may expedite review; check with the respective DSA Regional Office of site drawings showing building/structure locations, foundations, utility hook-ups, accessible path-of-travel, etc. The architect or structural engineer in general responsible charge must sign all site drawings).
- Applicable Building/Structure (BS) Drawings: One signed set of drawings, and one check print/copy (additional check sets may expedite review; check with the respective DSA Regional Office of building/structure drawings which are exact duplicates of form B3. The architect or structural engineer in general responsible charge must either sign all drawings or sign a statement of general conformance verifying that they have reviewed the building/structure drawings and that they are appropriate for use (see 19A.1.8). For PC drawings with multiple options, the selected options shall be clearly indicated).
- PC Completion Set: One complete set of DSA-approved PC drawings and specifications (see Procedure 07-02) for an identical building/structure to be used as a "completion set."
- If the project has more than four buildings on one site an electrical engineer must be identified on the application (form DSA 1) and shall be responsible for the site electrical design. The electrical engineer shall sign all electrical site drawings.

**C. Support Documents**

- Calculations for all work not included on PC drawings.
- Geohazard report (when required per Section 3.1.6 above) with approval letter from the California Geological Survey (see applicable version of 19A.1.6).
- Geotechnical (GS) report/letter. Exception: A GS report is not required when all of the following conditions are met:
  - The project includes only one-story, wood-frame or light-steel-frame buildings of Type II or Type III construction and is 4,000 square feet or less in floor area.
  - Site is not located within an Earthquake Fault Zone or Seismic Hazard Zone, or in a seismic hazard zone as defined in the Safety Element of the local General Plan.
  - Foundations are designed based on a soil-bearing pressure of 1,000 pcf or less for wood foundations or 100 pcf or less for concrete foundations, and a lateral passive pressure of 100 pcf or less.
- Signed and stamped List of Required Structural Tests and Special Inspections (form DSA-103). This form should match the appropriate example form included on the PC drawings for the options utilized. Example forms on PC drawings must be crossed out or removed from the construction documents prior to approval.
- When changes have been made to PC drawings, one set of PC structural calculations for reference are provided.

PL 07-02 (rev. 08-21-17) Page 7 of 8  
 DIVISION OF THE STATE ARCHITECT DEPARTMENT OF GENERAL SERVICES STATE OF CALIFORNIA

DSA PL 07-02  
 OVER-THE-COUNTER REVIEW OF PROJECTS USING PRE-CHECK APPROVED DESIGNS

**D. Relocation Projects**

- Flood hazard map and/or supporting data adopted by the local jurisdiction (ref. CBC, § 1912A.3 & Procedure 07-02.10). This documentation is required for all sites, regardless of being in a flood hazard area or not, with proposed structures that are enclosed, whether inhabited or not (see PR 14-01 for exceptions for open-sided structures).

Provide the following to verify the existing buildings are in compliance with DSA requirements. Also see applicable version of 19A.1.1.

- Application number from the previous project where the building/structure was originally constructed.
- Module number(s) or serial number(s) from the relocatable building(s).
- The design professional in general responsible charge shall verify by appropriate means, subject to DSA approval, and submit a letter certifying that the building conforms to the original DSA-approved plans and specifications and has not suffered structural deterioration or been structurally altered.

**E. Fire and Life Safety (FLS) and Energy**

- Provide fire flow information per DSA Policy 07-02.1.
- Code analysis per CBC Chapter 6 and site access analysis per CBC Chapter 10 to safe dispersal area or public way for all existing buildings within 30 feet of the proposed building/structure location. (See item E1 above).
- For projects to be funded, in whole or in part, by the Lacey F. Greene School Facilities Act of 1998 (i.e. box 18 on form DSA 1 is marked "YES"), buildings must be identified on plans as permanent or temporary (three years or less) as defined in CBC Chapter 2. Temporary buildings may have a manual fire alarm system if located 20 feet minimum from other permanent buildings.
- Details and back-up information for the fire alarm system as applicable.
- A letter signed by the architect or engineer in general responsible charge identifying the climate zone for the project (site) and stating that the PC has been designed for that climate zone.

PL 07-02 (rev. 08-21-17) Page 8 of 8  
 DIVISION OF THE STATE ARCHITECT DEPARTMENT OF GENERAL SERVICES STATE OF CALIFORNIA

PROJECT SPECIFIC STATE AGENCY APPROVAL

**GLOBAL MODULAR**  
 INCORPORATED

**AURORA MODTECH**  
 MODULAR STRUCTURES  
 CORPORATION

CONTRACTORS LICENSE #837357

NORTHERN CALIFORNIA DIVISION 1200 AIRPORT DRIVE CHOWCHILLA, CA 93610  
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PROJECT NAME: \_\_\_\_\_

SHEET TITLE: \_\_\_\_\_

DSA DOCUMENTS

MFR. STRUCTURAL ENGINEER OF RECORD ON PC

DATE SIGNED: \_\_\_\_\_

DEC 11 2018

PROFESSIONAL SEAL  
 HAROLD L. HART  
 No. 9802  
 STATE OF CALIFORNIA

MFR. PROJECT SPECIFIC PROFESSIONAL OF RECORD

ARCHITECT OF RECORD

PRO-CHECK (PC) DOCUMENT  
 CODE: 2016 CBC  
 C-38002

A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRED

IDENTIFICATION STAMP  
 DIV. OF THE STATE ARCHITECT

PC 02-116677  
 DATE: DEC 11 2018

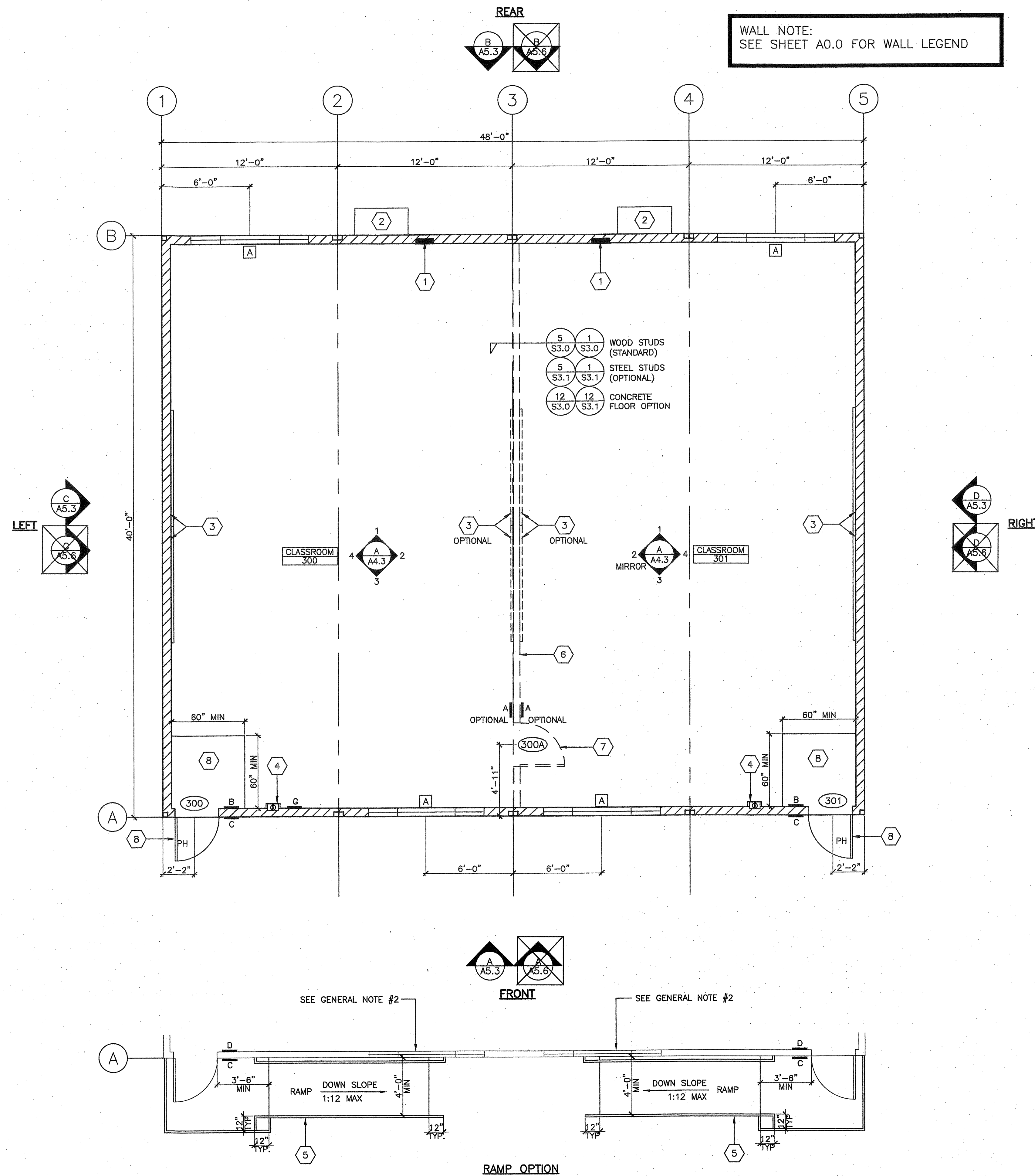
REVISIONS

PROJECT NO.: 00-0000  
 DRAWN BY: 00  
 SCALE: AS NOTED  
 DATE: 00-00-00  
 SHEET NUMBER

IDENTIFICATION STAMP  
 DIV. OF THE STATE ARCHITECT

APPROVED 120280  
 DATE: OCT 02 2019

**A0.8**



WALL NOTE:  
SEE SHEET A0.0 FOR WALL LEGEND

**KEY NOTES**

- ELECTRICAL PANEL (SEE #4 OR #10/AB.1 AND ELECTRICAL SHEETS)
- AC UNIT (SEE MECHANICAL SHEETS)
- 8'x4' MARKER BOARDS +30" AFF
- FIRE EXTINGUISHER-5 LB DRY CHEMICAL W/ 2A-10B-C UL RATING +48" AFF TO TOP OF HANDLE IN SEMI-RECESSED CABINET WITH 4" MAX PROJECTION, TYP. SEE #4 OR #10/AB.1 FOR BLOCK-OUT
- RAMP AND LANDING (SEE RAMP DETAILS, "R" SHEETS)
- OPTIONAL INTERIOR WALL
- OPTIONAL INTERIOR DOOR
- PRIMARY ENTRANCES SHALL REQUIRE A MIN 48" OVERHANG OR AWNING OR RECESSED AREA OR OTHER APPROPRIATE METHOD INCLUDING A 60" X 60" MIN FLOOR AREA USING VCT OR SHEET VINYL WHEN USING CARPET FLOORING PER CALGREEN SECTION 5.407.2.2.1

**SIGNAGE LEGEND**

- A. = ID SIGN - #1G/A0.4
- B. = EXIT TACTILE SIGN - #1C/A0.4
- C. = ID SIGN WITH ISA IDENTIFICATION - #1H,G/A0.4
- D. = EXIT RAMP DOWN SIGN - #1E/A0.4
- E. = RESTROOM DOOR SIGN - #1B/A0.4
- F. = RESTROOM WALL SIGN - #1A/A0.4
- G. = OCCUPANT LOAD SIGN - #3/A0.4

**OCCUPANT LOAD FORMULA**

BUILDING SQUARE FOOTAGE: 1,920 SQ FT  
OCCUPANT NET PER TABLE 1004.1.1: 20  
MAXIMUM OCCUPANTS: 96

SEE PROJECT SPECIFIC FLOOR PLAN

**GENERAL NOTES**

- SIGNAGE REQUIRED PER APPLICABLE CODES LISTED ON COVER SHEET PROVIDED AND INSTALLED BY DISTRICT ON SITE, SEE ACCESS SHEET
- WHEN USING A RAMP OPTION AS SHOWN NEXT TO AN ADJACENT WINDOW, IT MUST COMPLY WITH THE ILLUSTRATION ON 18/RO.0 THE FOLLOWING TWO OPTIONS CAN BE CONSIDERED:  
OPTION #1: USE A RAMP CONFIGURATION THAT IS AWAY FROM THE BUILDING  
OPTION #2: THE WINDOW SILL HEIGHT NEEDS TO BE ELEVATED OR LOCATED IN A MANNER TO ACCOMMODATE THE CODE COMPLIANCE ILLUSTRATION MENTIONED ON 18/RO.0. EXAMPLE USE AN 8X3 WINDOW AND SMALLER IN LIEU OF 8X4 WINDOW OR REMOVE THE WINDOW TRIM/MOULDING
- WHEN RAMP AND LANDINGS ARE USED, DOWNSPOUT DRAINAGE MUST DIVERT AWAY FROM CLEAR LANDING SPACE
- PH = PANIC HARDWARE REQUIREMENT WHERE OCCUPANTS LOADS EXCEEDS 49
- WHEN RAMP AND LANDINGS ARE USED, DOWNSPOUT DRAINAGE MUST DIVERT AWAY FROM CLEAR LANDING SPACE

PROJECT SPECIFIC STATE AGENCY APPROVAL

**GLOBAL MODULAR**  
INCORPORATED

**AURORA ModTECH**  
DESIGNS

CONTRACTORS LICENSE #637357

NORTHERN CALIFORNIA DIVISION 1200 AIRPORT DRIVE CHOWCHILLA, CA 93610 PHONE: (559) 885-2800 FAX: (559) 885-5700 WEBSITE: WWW.GMODA.NET

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PROJECT NAME:

SHEET TITLE:  
**FLOOR PLAN  
48'X40'**

MFR. STRUCTURAL ENGINEER OF RECORD ON PC

DATE SIGNED  
DEC 11 2018

MFR. PROJECT SPECIFIC PROFESSIONAL OF RECORD

ARCHITECT OF RECORD

**LICENSED ARCHITECT**  
HAROLD L. HART  
C-38002  
06-30-2021  
RENEWAL DATE

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

IDENTIFICATION STAMP  
DIV. OF THE STATE ARCHITECT  
APPROX 120380  
AC W/ FLS 7 SS CR  
DATE: 01 03 2018

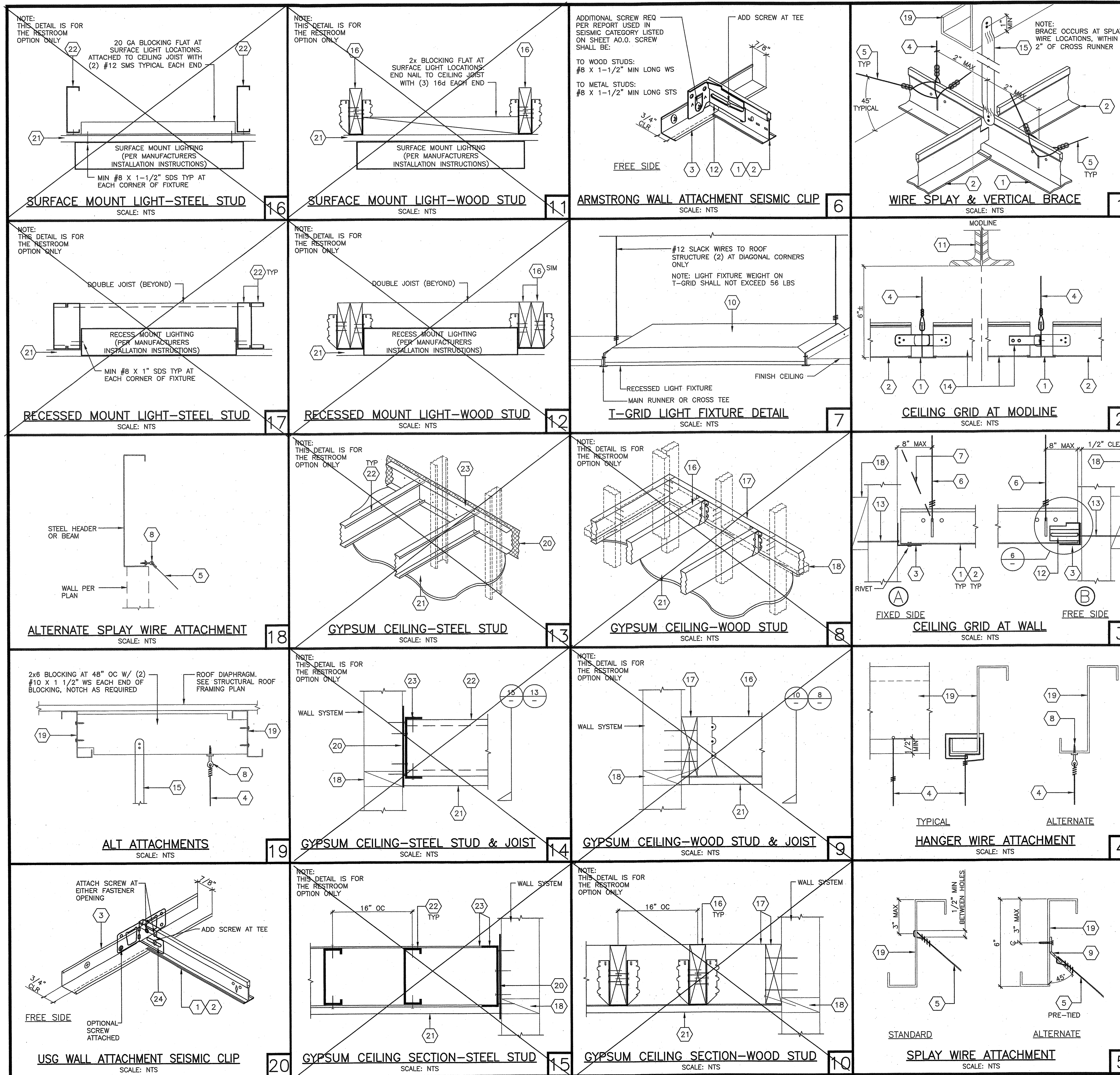
PC 02-116677  
DATE: DEC 11 2018

REVISIONS

PROJECT NO.: 00-0000  
DRAWN BY: 00  
SCALE: AS NOTED  
DATE: 00-00-00  
SHEET NUMBER

**A1.3**

**FLOOR PLAN 48'x40'**  
SCALE: 1/4" = 1'-0"



**KEY NOTES**

- MAIN RUNNER: 'ARMSTRONG' 7301 PRELUDE XL SERIES, HEAVY DUTY SPACE AT 4'-0" OC WITH HANGER WIRES SPACED AT 4'-0" OC MAX (ICC REPORT #ESR-1308). ALT: 'DONN DXL-26 SIMPLICITEE XL SERIES, HEAVY DUTY (ICC REPORT #ESR-1222)
- CROSS TEE: 'ARMSTRONG' 7340 PRELUDE XL SERIES (ICC REPORT #ESR-1308). ALT: 'DONN DXL-216 SIMPLICITEE XL SERIES (ICC REPORT #ESR-1222)
- WALL RUNNER: 'ARMSTRONG' 7800 WALL MOLDING. ALT: 'DONN' M20 WALL ANGLE
- TYPICAL HANGER WIRE: 12 GA STEEL WIRE ATTACHED TO STRUCTURE ABOVE AND TO GRID WITH (3) TIGHT TURNS WITHIN 1-1/2" SADDLE TIE (SEE DETAIL 4)
- TYPICAL SPLAY WIRE: 12 GA STEEL WIRE ATTACHED TO STRUCTURE ABOVE AND TO GRID WITH (4) TIGHT TURNS WITHIN 1-1/2" (SEE DETAIL 1 & 5)
- AT THE END OF RUNNERS, A HANGER WIRE SHALL BE ATTACHED WITHIN 8" OF ANY WALL OR SOFFIT OR 1/4 OF THE LENGTH OF THE END RUNNER, WHICHEVER IS LEAST, FOR THE PERIMETER OF THE CEILING
- ALTERNATE HANGER WIRE: HANGER WIRE TO 3"x1/4" EYED SCREW AT TOP PLATE WITH (4) TIGHT TURNS WITHIN 1-1/2" (SEE GENERAL NOTE #1)
- EYE SCREW 1/4"x 2" LONG ZINC PLATED SELF-TAPPING, SELF DRILLING EYE LAG SCREW ATTACHED TO BEAM LIP
- 1" x 1" x 2" LONG, 12 GA ANGLE BENT AT A 45° WITH 12 GA WIRE (4 TIGHT TURNS) ATTACH BENT ANGLE TO MEMBER WITH #10 STS
- LIGHT FIXTURE ATTACHED TO GRID WITH (4) #8 SMS (2) AT EACH END OF FIXTURE AND (2) 12 GA SLACK SAFETY WIRES ATTACHED TO THE FIXTURE AT DIAGONAL CORNERS AND THE ROOF STRUCTURE ABOVE
- ROOF TRUSS
- 'ARMSTRONG' BECC-2 CLIP: BEAM ENDING RETAINING CLIP JOINS MAIN BEAM OR CROSS TEE TO WALL MOLDING AND WEB OF GRID (ICC REPORT #ESR-1308)
- AT FREE SIDE, USE 8d NAIL @ 16" OC INTO WOOD BLOCK/STUD OR #8x2" SMS INTO METAL STUD BLOCK AT FIXED SIDE. USE MIN #10 X 2" WS AT 16" OC INTO WOOD BLOCK/STUD OR MIN #10 X 2" SMS INTO METAL STUD BLOCK
- CLOSE OFF CROSS TEE: INSERT ONE END OF CROSS TEE INTO MAIN RUNNER WITH BAYONET CLIP OPPOSITE END TO FIT (IF LESS THAN 24") INSERT CROSS TEE ADAPTER CLIP AND SECURE TO CROSS TEE WITH (2) #8 TEK SCREWS AT EACH END
- VERTICAL BRACE: 1/2" STEEL EMT AT SPLAY WIRE LOCATIONS (MAX LENGTH OF 3'-0") DRILL 1/8" HOLE THRU CONDUIT AT TOP & BOTTOM. ATTACH CONDUIT TO JOIST ABOVE OR TO BLOCKING WITH (2) #12 SCREWS @ TOP & BOTTOM (SEE DETAIL 1)
- 2x4 HF #2 MIN CEILING JOIST AT 16" OC ATTACH TO LEDGER WITH 'SIMPSON' U-24 JOIST HANGER AT EACH END OF SINGLE JOIST USE 'SIMPSON' U24-2 AT DOUBLE JOIST
- 2x4 HF #2 MIN CONTINUOUS LEDGER ATTACH TO STUDS WITH (3) 16d NAILS @ 16" OC & (2) 16d NAILS EACH BLOCK
- FIRE BLOCKING BETWEEN STUDS (BLOCKING SIZE TO MATCH STUD SIZE AND TYPE) AT CEILING HEIGHT
- ROOF JOIST (SEE ROOF FRAMING SHEET)
- 6" x 20 GA STRAP ATTACHED TO STUDS WITH (2) #10 STMS PER STUD
- GYP BOARD CEILING (SEE FINISH SCHEDULE) USE DRYWALL NAILS FOR WOOD STUDS OR # 8 STS FOR METAL STUDS SPACING TO BE 6" OC MAX EDGES AND 12" OC MAX FIELD
- 0-3 1/2" x 20 GA CEILING JOIST AT 16" OC. ATTACH TRACK TO JOIST WITH #8 STS AT EACH FLANGE OF TRACK
- 0-3 1/2" x 20 GA CONT TRACK ATTACH TRACK TO WALL STUDS WITH (2) #10 STS AT EACH WALL STUD SPACING
- ALT: 'DONN' ACM7 WALL ATTACHMENT CLIP (ICC REPORT #ESR-1222)

**GENERAL NOTES**

- PROVIDE TRAPEZE OR OTHER SUPPLEMENTARY SUPPORT MEMBERS AT OBSTRUCTIONS TO TYPICAL HANGER SPACING PROVIDE ADDITIONAL HANGERS, STRUTS OR BRACES AS REQUIRED AT ALL CEILING BREAKS, SOFFITS OR DISCONTINUOUS AREAS. HANGER WIRES THAT ARE MORE THAN 1 (HORIZONTAL) OUT OF PLUMB ARE TO HAVE COUNTER-SLOPING WIRES INSTALLED HANGER OR BRACING WIRE ANCHORS TO THE STRUCTURE SHOULD BE INSTALLED IN SUCH A MANNER THAT THE DIRECTION OF THE ANCHOR ALIGNS AS CLOSELY AS POSSIBLE WITH THE DIRECTION OF THE WIRE
- CEILING GRID MEMBERS MAY BE ATTACHED TO NOT MORE THAN (2) ADJACENT WALLS. CEILING GRID MEMBERS SHALL BE AT LEAST 3/4" CLEAR OF OTHER WALLS IF WALLS RUN DIAGONALLY TO CEILING GRID SYSTEM RUNNERS, ONE END OF MAIN AND CROSS TEES SHOULD BE FREE, AND MINIMUM OF 3/4" CLEAR OF WALL
- AT THE PERIMETER OF THE CEILING AREA WHERE MAIN RUNNERS OR CROSS TEES ARE NOT CONNECTED TO THE ADJACENT WALL, PROVIDE INTERCONNECTION BETWEEN THE RUNNERS & TEES AT THE FREE END TO PREVENT LATERAL SPREADING. A METAL STRUT OR A 16 GA WIRE WITH A POSITIVE MECHANICAL CONNECTION TO THE RUNNER MAY BE USED WHERE THE PERPENDICULAR DISTANCE FROM THE WALL TO THE FIRST PARALLEL RUNNER IS 12 INCHES OR LESS, THIS INTERLOCK IS NOT REQUIRED
- PROVIDE BRACING ASSEMBLIES CONSISTING OF A COMPRESSION STRUT AND (4) 12 GA SPLAYED BRACING WIRES ORIENTED 90 DEGREES FROM EACH OTHER (SEE DETAIL 1) FOR SCHOOL BUILDINGS, PLACE BRACING ASSEMBLIES AT A SPACING NOT MORE THAN 12'x12' OC LOCATE BRACING ASSEMBLIES NOT MORE THAN 6" FROM EACH PERIMETER WALL
- SUSPENDED ACOUSTICAL CEILING SYSTEMS WITH A CEILING AREA OF 144 SQ FT OR LESS, SURROUNDED BY WALLS WHICH CONNECT DIRECTLY TO THE STRUCTURE ABOVE, DO NOT REQUIRE BRACING ASSEMBLIES WHEN ATTACHED TO (2) ADJACENT WALLS
- ATTACH ALL LIGHT FIXTURES AND CEILING MOUNTED AIR TERMINALS TO THE CEILING GRID RUNNERS TO RESIST A HORIZONTAL FORCE EQUAL TO THE WEIGHT OF THE FIXTURES SCREWS OR APPROVED FASTENERS ARE REQUIRED
- LIGHT FIXTURES WEIGHING GREATER THAN 10 LBS, BUT LESS THAN 56 LBS, MAY BE SUPPORTED DIRECTLY ON THE CEILING RUNNERS, BUT THEY SHALL HAVE A MINIMUM OF (2) #12 GA SLACK SAFETY WIRES CONNECTED FROM THE FIXTURE HOUSING AT DIAGONAL CORNERS AND ANCHORED TO THE STRUCTURE ABOVE. LIGHT FIXTURES WEIGHING GREATER THAN 56 LBS SHALL BE INDEPENDENTLY SUPPORTED BY NOT LESS THAN FOUR (4) TAUT #12 GA WIRES ATTACHED TO THE HOUSING AND THE STRUCTURE ABOVE. THE FOUR (4) TAUT #12 GA WIRES, INCLUDING THEIR ATTACHMENT TO THE STRUCTURE ABOVE, MUST BE CAPABLE OF SUPPORTING FOUR TIMES (4) THE WEIGHT OF THE UNIT.
- DUCTWORK, IF REQUIRED, SHALL BE RIGIDLY ATTACHED TO STRUCTURE ABOVE AT INTERVALS NOT TO EXCEED 4'-0" AND SHALL NOT BE CLOSER THAN 6" TO ANY WIRE SEPARATE ALL CEILING HANGER AND BRACING WIRES AT LEAST 6" FROM ALL UNBRACED DUCTS, PIPES, CONDUIT, ETC
- SUPPORT SURFACE MOUNTED LIGHT FIXTURES BY AT LEAST (2) POSITIVE DEVICES WHICH SURROUND THE CEILING RUNNER AND WHICH ARE EACH SUPPORTED FROM THE STRUCTURE ABOVE BY 12 GA WIRE SPRING CLIPS OR CLAMPS THAT CONNECT ONLY TO THE RUNNER ARE NOT ACCEPTABLE
- NOT USED
- DETAILS SHALL COMPLY WITH DSA IR 25-2.13

PROJECT SPECIFIC STATE AGENCY APPROVAL

IDENTIFICATION STAMP  
DIV. OF THE STATE ARCHITECT  
APPROX 120280  
AC: [initials] FLS: [initials] SS: [initials]  
DATE: OCT 0 3 2010

**GLOBAL MODULAR**  
INCORPORATED

**AURORA ModTECH**  
DESIGNS

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PROJECT NAME:

SHEET TITLE:  
**REFLECTED CEILING DETAILS**

MFR. STRUCTURAL ENGINEER OF RECORD ON PG

DATE SIGNED:  
DEC 11 2010

MFR. PROJECT SPECIFIC PROFESSIONAL OF RECORD

ARCHITECT OF RECORD

**LAGERSEN ARCHITECT**  
HAROLD L. HART  
C-38002  
06-30-2021  
RENEWAL DATE

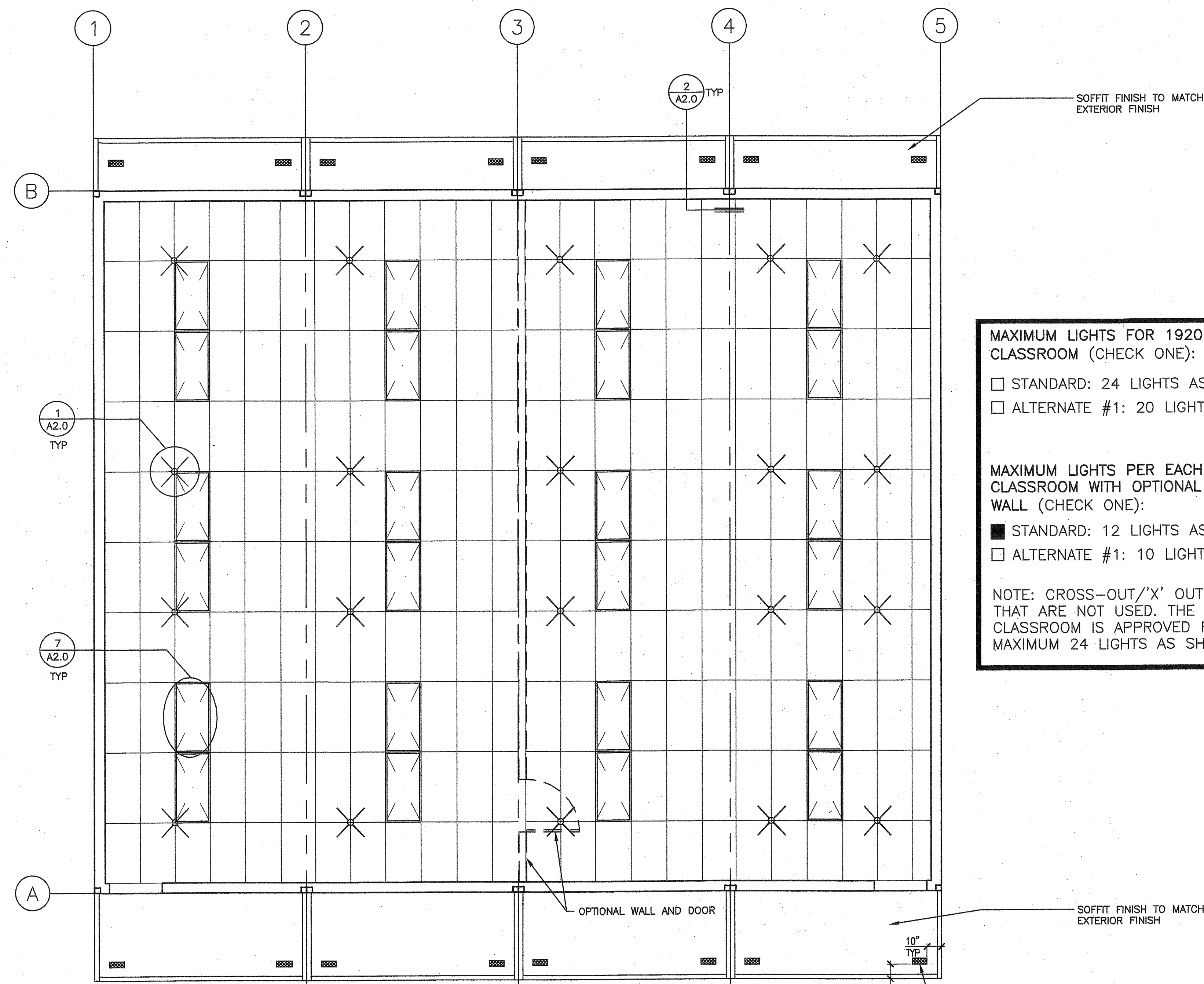
PRE-CHECK (PC) DOCUMENT  
CODE 2018-03C  
A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRED

IDENTIFICATION STAMP  
DIV. OF THE STATE ARCHITECT  
PC 02-116677  
FLS: [initials] SS: [initials]  
DATE: DEC 14 2008

REVISIONS

PROJECT NO.: 00-0000  
DRAWN BY: 00  
SCALE: AS NOTED  
DATE: 00-00-00

SHEET NUMBER  
**A2.0**

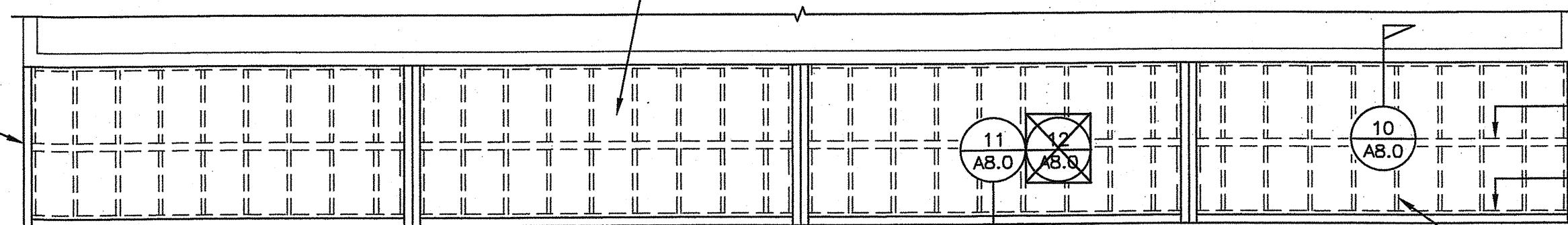


REFLECTED CEILING PLAN  
SCALE: 1/4" = 1'-0"

WHEN SOFFIT AREA IS 50 SF OR GREATER, 6" DEEP OR GREATER & COMBUSTIBLE PROVIDE SAFING INSULATION THROUGH-OUT OR VERTICAL APPROVED MATERIAL ATTACHED TO JOIST PER SECTION 718.2.1 TO REDUCE THE OPEN CLEAR SPACE TO LESS THAN 6"

NOTE: ROOF JOIST NOT SHOWN FOR CLARITY

OVERHANG MEMBER (SEE STRUCTURAL ROOF FRAMING PLAN FOR PRECISE LENGTH)



OPTIONAL ENCLOSE OVERHANG SOFFIT FRAMING

**MAXIMUM LIGHTS FOR 1920 SF CLASSROOM (CHECK ONE):**  
 STANDARD: 24 LIGHTS AS SHOWN  
 ALTERNATE #1: 20 LIGHTS

**MAXIMUM LIGHTS PER EACH 960 SF CLASSROOM WITH OPTIONAL INTERIOR WALL (CHECK ONE):**  
 STANDARD: 12 LIGHTS AS SHOWN  
 ALTERNATE #1: 10 LIGHTS

NOTE: CROSS-OUT 'X' OUT LIGHTS THAT ARE NOT USED. THE 48X40 CLASSROOM IS APPROVED FOR A MAXIMUM 24 LIGHTS AS SHOWN

LEGEND

- SUPPLY AIR DIFFUSERS NOT SHOWN FOR CLARITY (SEE MECHANICAL PLAN)
- 2'x4' FLUORESCENT DROP-IN FIXTURE (SEE ELECTRICAL PLAN)
- 4-WAY SPLOY WIRE SYSTEM
- T-GRID CEILING
- INDICATES FREE SIDE. ALL OTHER SIDES SHALL BE FIXED (SEE DETAIL 3/A2.0 OR 20/A2.0)
- INDICATES MAIN RUNNER LOCATIONS
- LOCATION OF SOFFIT VENT FOR WOOD SIDING APPLICATION SHOWN WHEN ENCLOSED SOFFIT OPTION USED. STUDIOO APPLICATION NOT SHOWN FOR CLARITY. SEE #9/AB.0 OR #9/AB.3

SEE PROJECT SPECIFIC CEILING PLAN

PROJECT SPECIFIC (CHECK ONE):  
 STANDARD DESIGN AS SHOWN  
 SOLATUBE OPTION. REFERENCE SHEET A11.0

IDENTIFICATION STAMP  
 DIV. OF THE STATE ARCHITECT  
 APPROX 120280  
 AC N FLS / SS 65  
 DATE 03 2018

FOR NOTES SEE SHEET A2.0

PROJECT SPECIFIC STATE AGENCY APPROVAL

**GLOBAL MODULAR**  
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**AURORA MOTECH**  
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PROJECT NAME:

SHEET TITLE:  
**REFLECTED CEILING PLAN**  
 48'x40'

MFR. STRUCTURAL ENGINEER OF RECORD ON PC

DATE SIGNED:  
 DEC 11 2018

MFR. PROJECT SPECIFIC PROFESSIONAL OF RECORD

ARCHITECT OF RECORD:  
 HAROLD L. HART  
 C-38002  
 06-30-2021  
 RENEWAL DATE

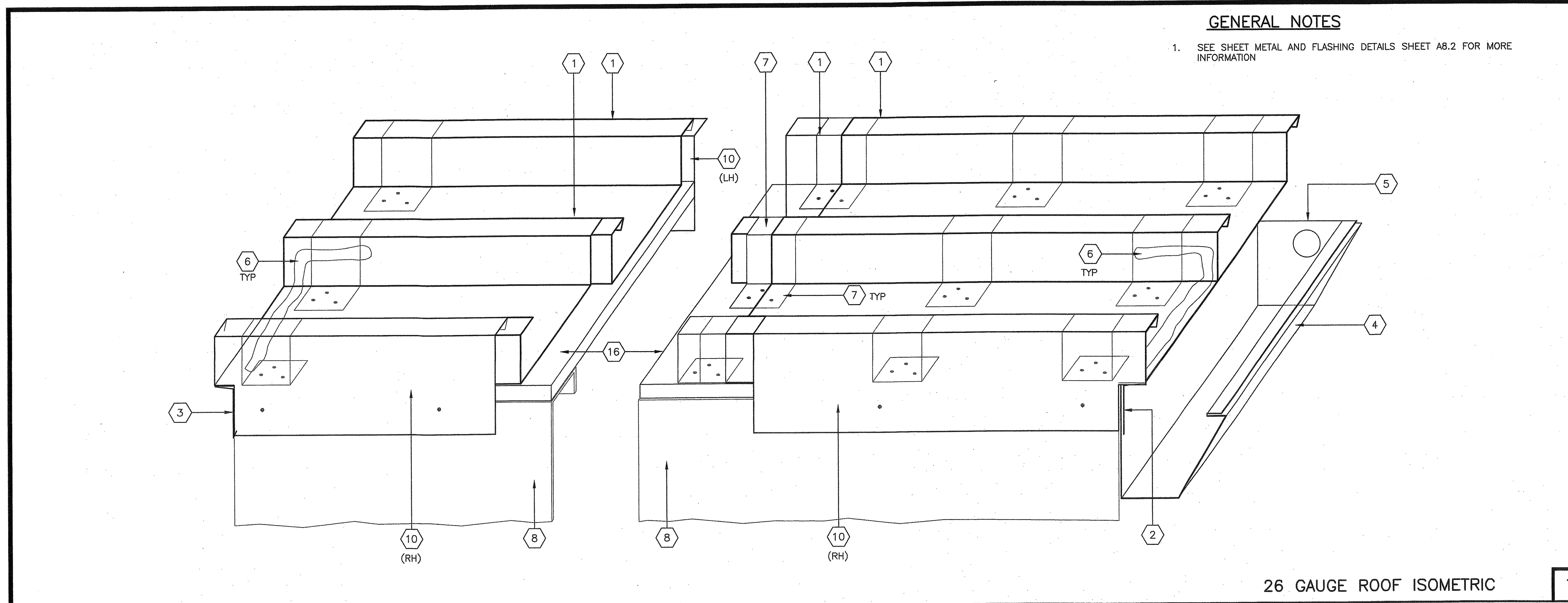
PRE-CHECK (PC) DOCUMENT  
 CODE: 2018 CSO  
 A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRED

PC 02-116677  
 DATE: DEC 12 2018

REVISIONS


PROJECT NO.: 00-0000  
 DRAWN BY: 00  
 SCALE: AS NOTED  
 DATE: 00-00-00  
 SHEET NUMBER

**A2.3**



- ### KEY NOTES
- 26 GA STANDING SEAM GALVANIZED METAL ROOF
  - 26 GA END FLASHING ATTACH WITH #8 STSMS @ 24" OC
  - 26 GA STARTER FLASHING ATTACH WITH #8 STSMS @ 6" OC
  - 26 GA GUTTER
  - GUTTER END CAP ATTACH WITH (2) #8 STSMS EACH SIDE
  - SEALANT APPLIED TO FLASHING EDGE AND STANDING SEAM—#116 VULKEM POLYURETHANE SEALANT OR EQUAL MEETING FEDERAL SPECIFICATIONS TT-S-00230C, TYPE II, CLASS A
  - 18 GA HOLD DOWN CLIP SECURED THROUGH PLYWOOD ROOF AND JOIST WITH (3) #8 STS SCREWS PER CLIP. CLIP SPACING SHALL BE 48" OC MAX AND 24" OC MAX AT OVERHANGS. SCREWS TO PENETRATE THROUGH JOIST W/ 3 EXPOSED THREADS.
  - ROOF BEAM/HEADER (SEE STRUCTURAL ROOF FRAMING PLANS)
  - USE #8 STS AT 24" OC MAX FOR MATERIAL THICKNESS UP TO 10 GA COVER SCREW W/#116 VULKEM POLYURETHANE SEALANT OR EQUAL MEETING FEDERAL SPECIFICATIONS TT-S-00230C, TYPE II, CLASS A
  - 26 GA SIDE WALL FLASHING ATTACH WITH #8 STSMS @ 24" OC
  - 26 GA METAL ROOF CAP BETWEEN ADJACENT BUILDINGS
  - ROOF OVERHANG MEMBER (SEE STRUCTURAL ROOF FRAMING PLANS)
  - 1X STUCCO STOP ATTACHED WITH #8 STSMS AT 36" OC
  - USE #14 STS AT 24" OC MAX ALONG MODLINE TRUSS COVER SCREW W/#116 VULKEM POLYURETHANE SEALANT OR EQUAL MEETING FEDERAL SPECIFICATIONS TT-S-00230C, TYPE II, CLASS A.
  - ROOF TRUSS MEMBER (SEE ROOF TRUSS DETAIL SHEET)
  - PLYWOOD FOR ROOF DIAPHRAGM (SEE STRUCTURAL ROOF FRAMING PLANS)
  - ROOF PURLIN MEMBER (SEE STRUCTURAL ROOF FRAMING PLANS)
  - 18 GA MIN X 3" MIN WIDE ANGLE (VERIFY WIDTH DIMENSION WITH HVAC UNIT). SEE DETAIL #6/M.O. FOR LOCATION
  - ROOF MOUNT HVAC UNIT
  - PREFABRICATED METAL CURB
  - DOUBLE ROOF JOIST
  - (6) #12x2" HEX HEAD SDS AT EACH SIDE OF CURB THROUGH ROOF DECK

PROJECT SPECIFIC STATE AGENCY APPROVAL

IDENTIFICATION STAMP  
DIV. OF THE STATE ARCHITECT

APP03 120280  
AC: FL 1 SS: 5  
DATE: OCT 23 2018

**GLOBAL MODULAR**  
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PROJECT NAME:

SHEET TITLE:

### ROOF DETAILS 26 GAUGE METAL

MFR. STRUCTURAL ENGINEER OF RECORD ON PC

DATE SIGNED  
DEC 11 2018

MFR. PROJECT SPECIFIC PROFESSIONAL OF RECORD

ARCHITECT OF RECORD

HAROLD L. HART  
C-38002  
06-30-2021  
RENEWAL DATE

PRE-CHECK (PC) DOCUMENT CODE 2018 C8C  
A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRED

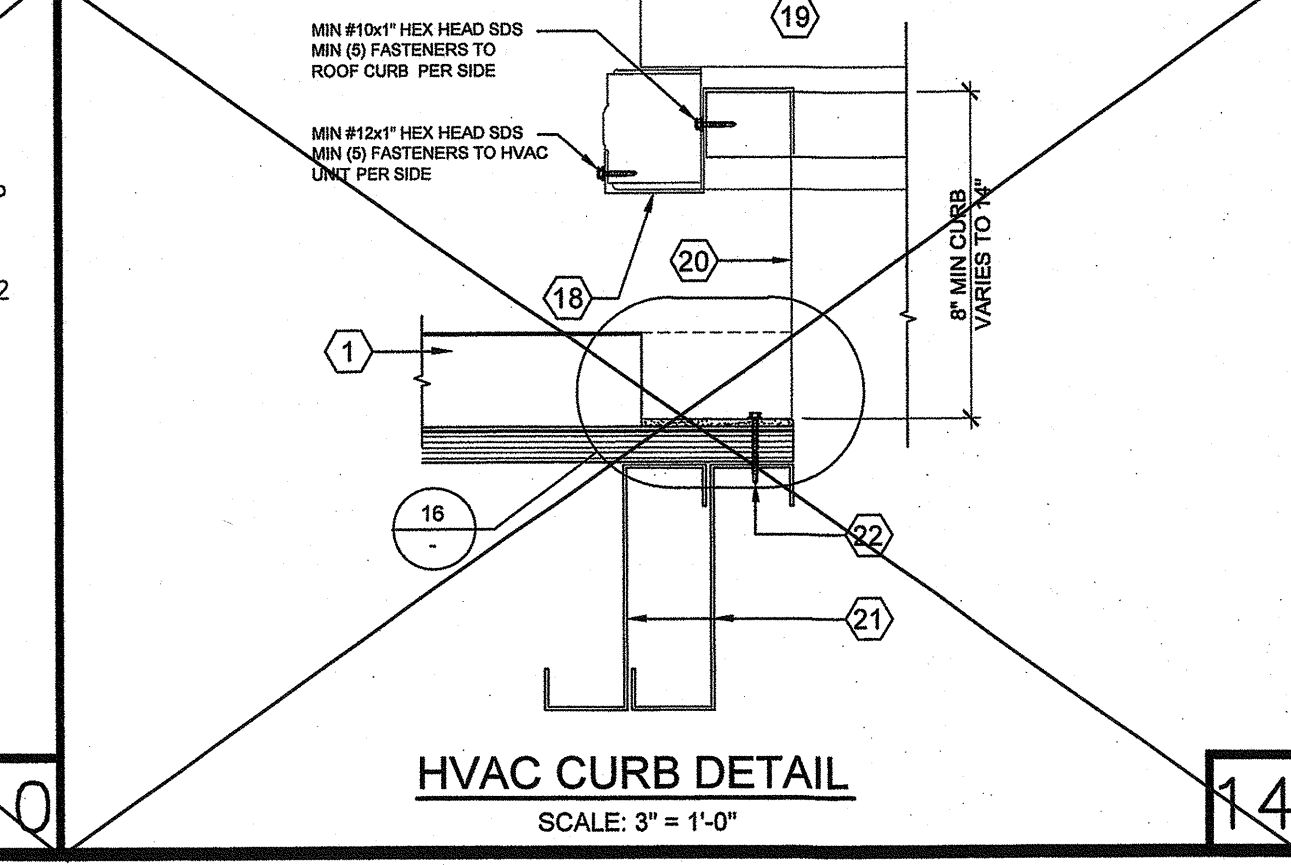
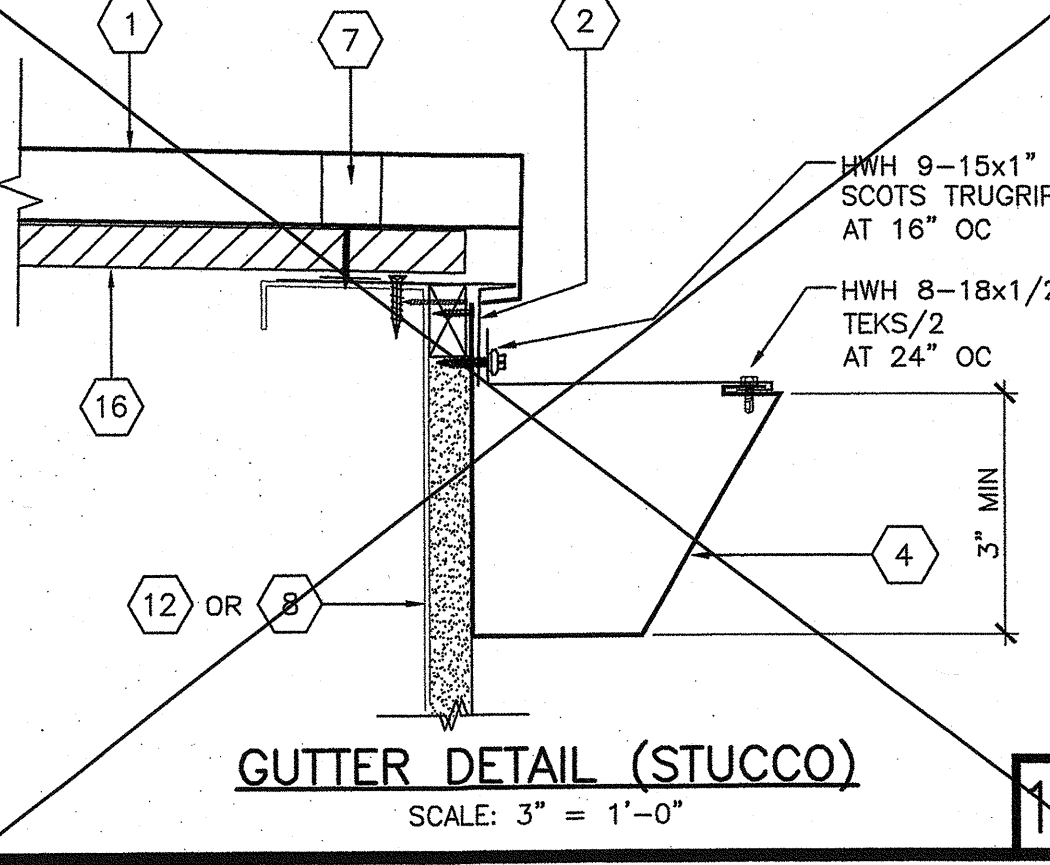
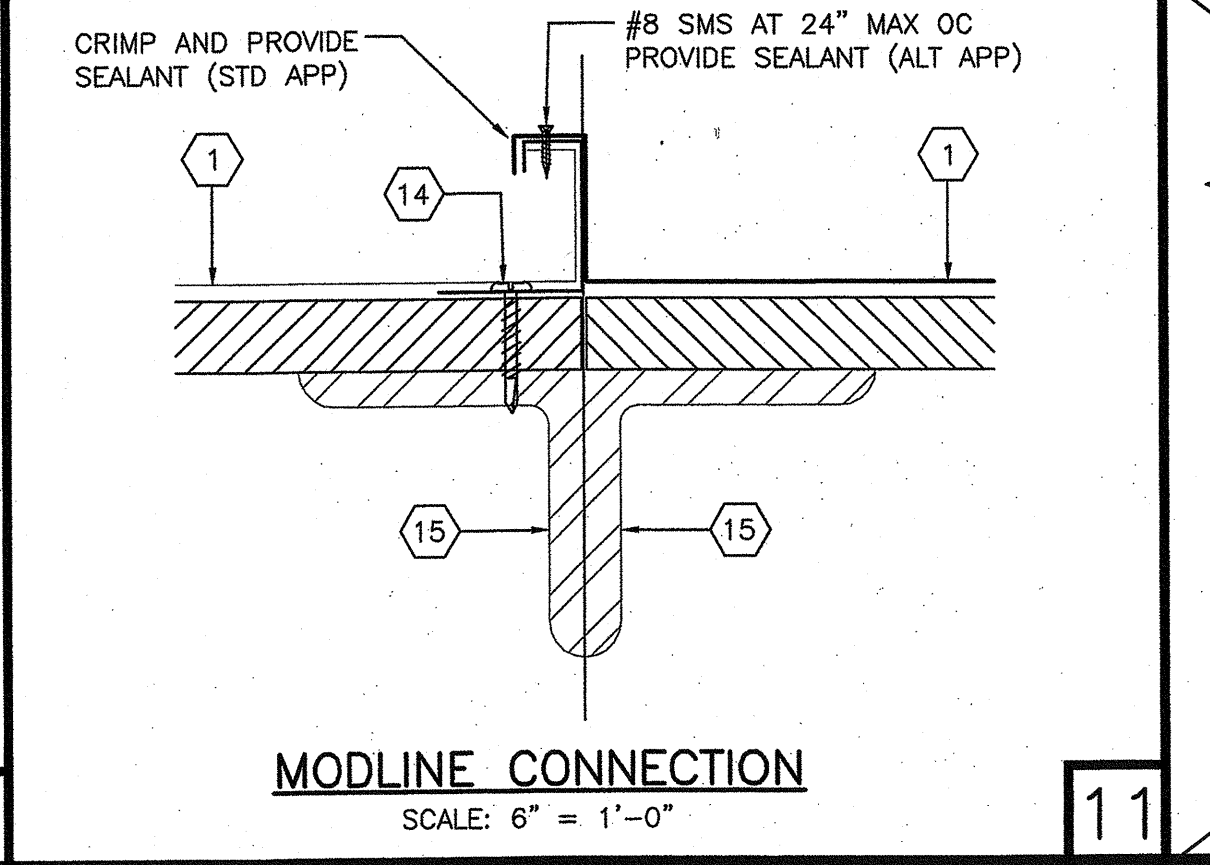
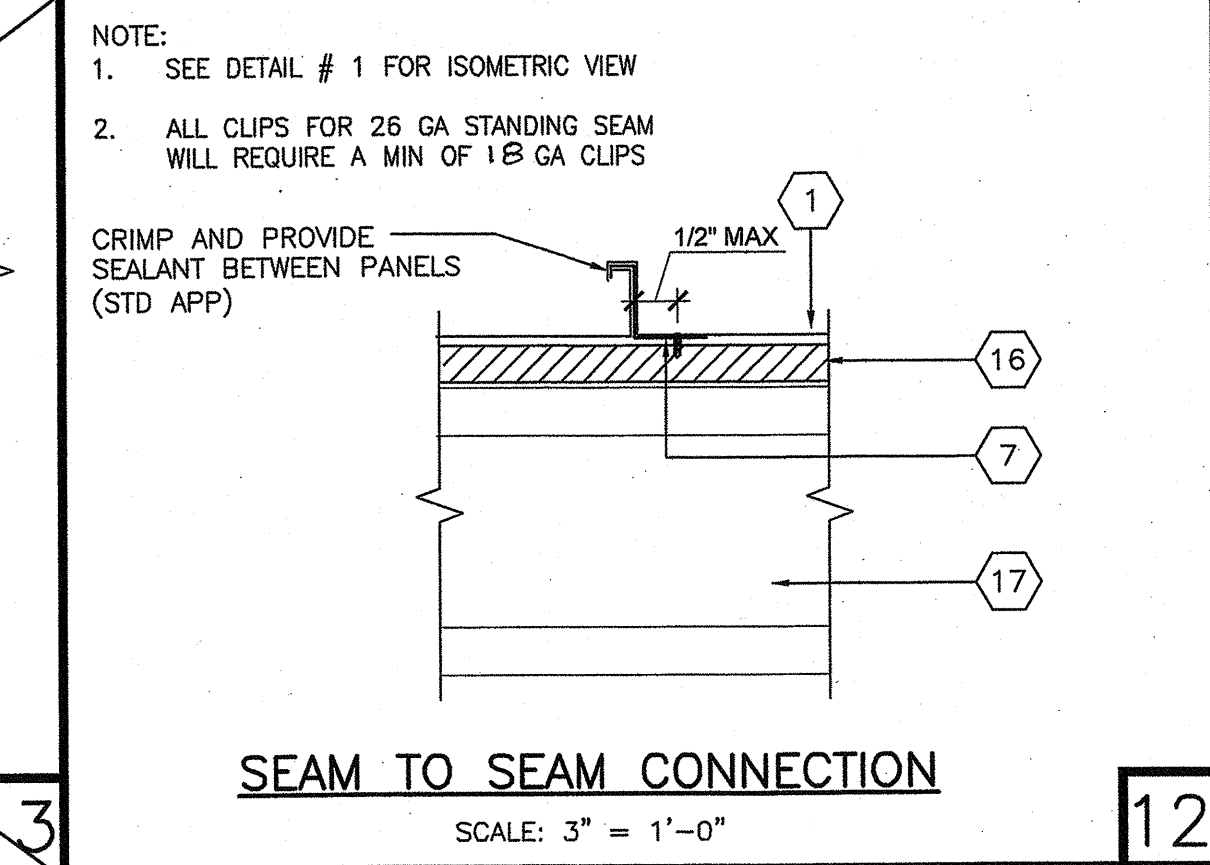
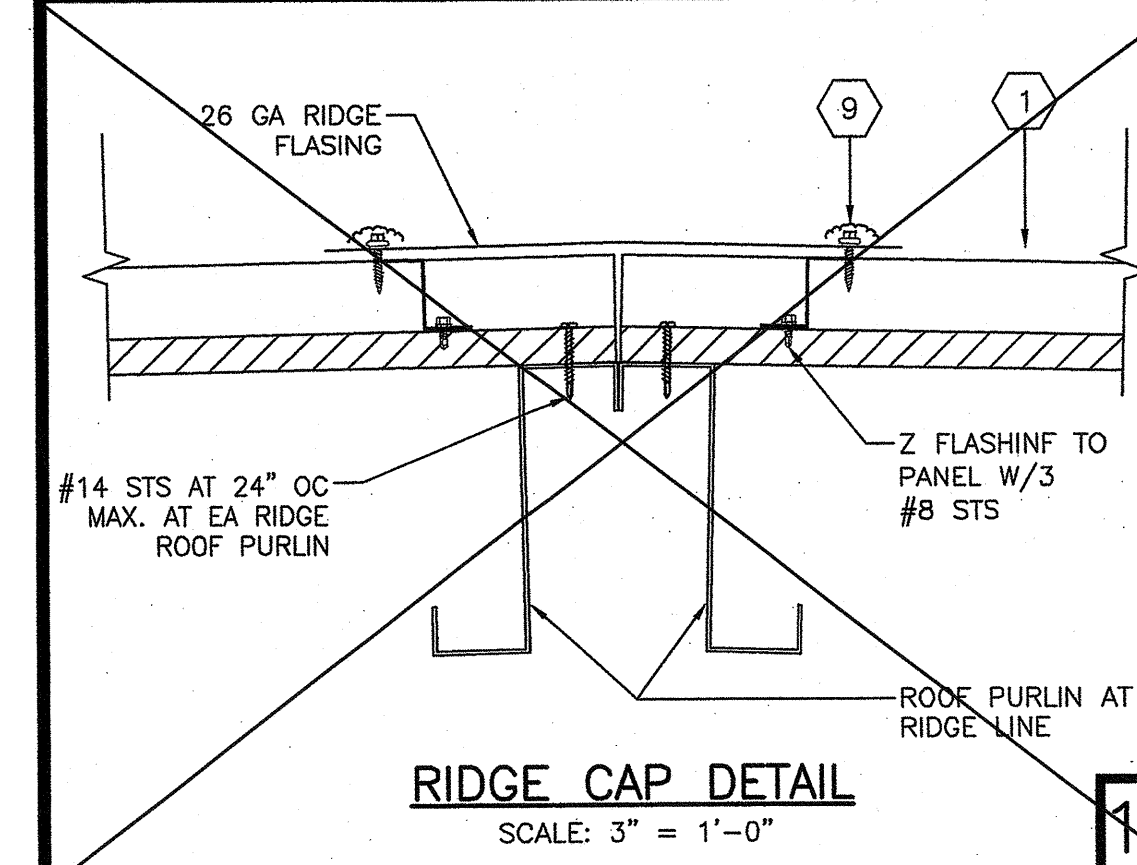
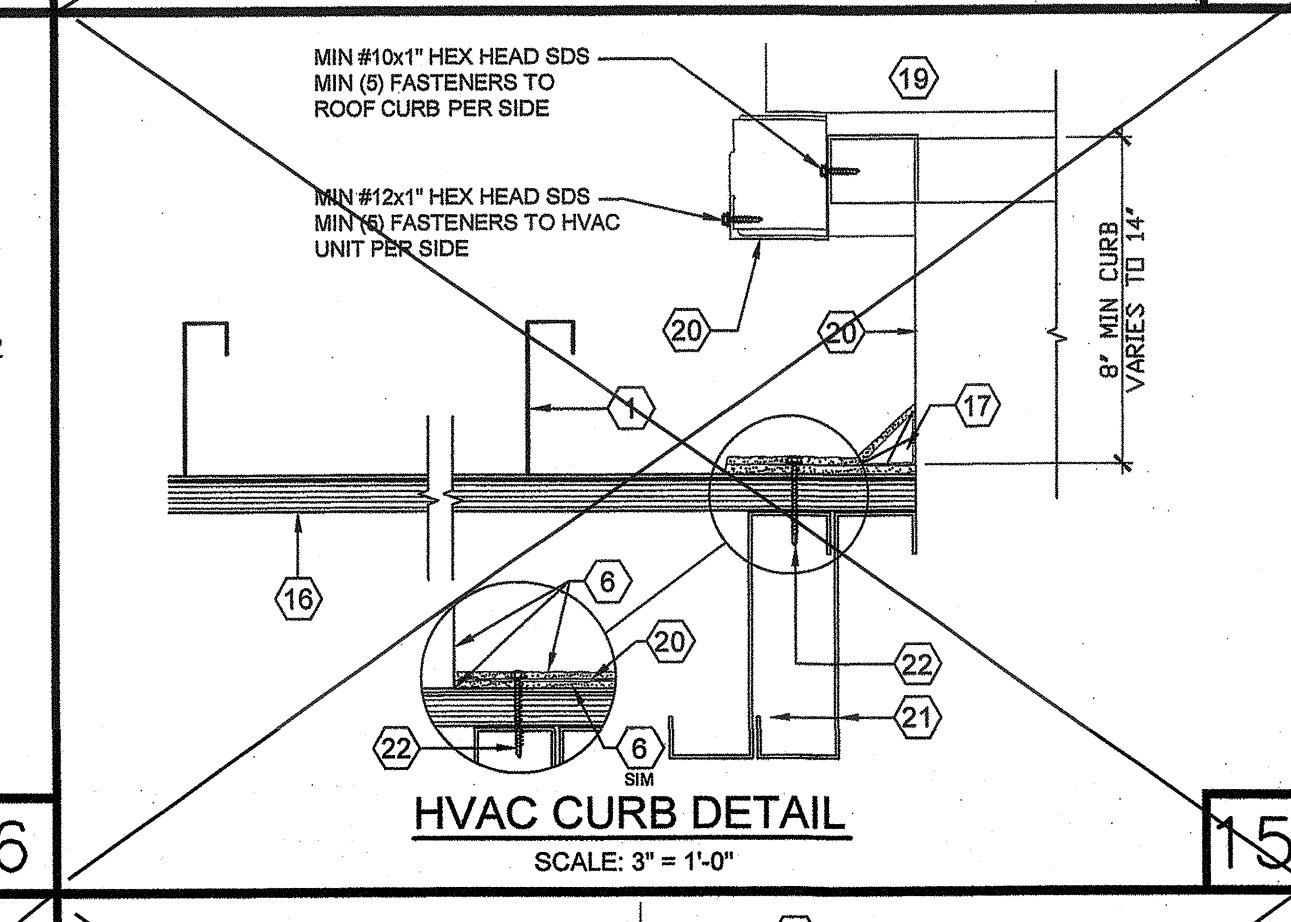
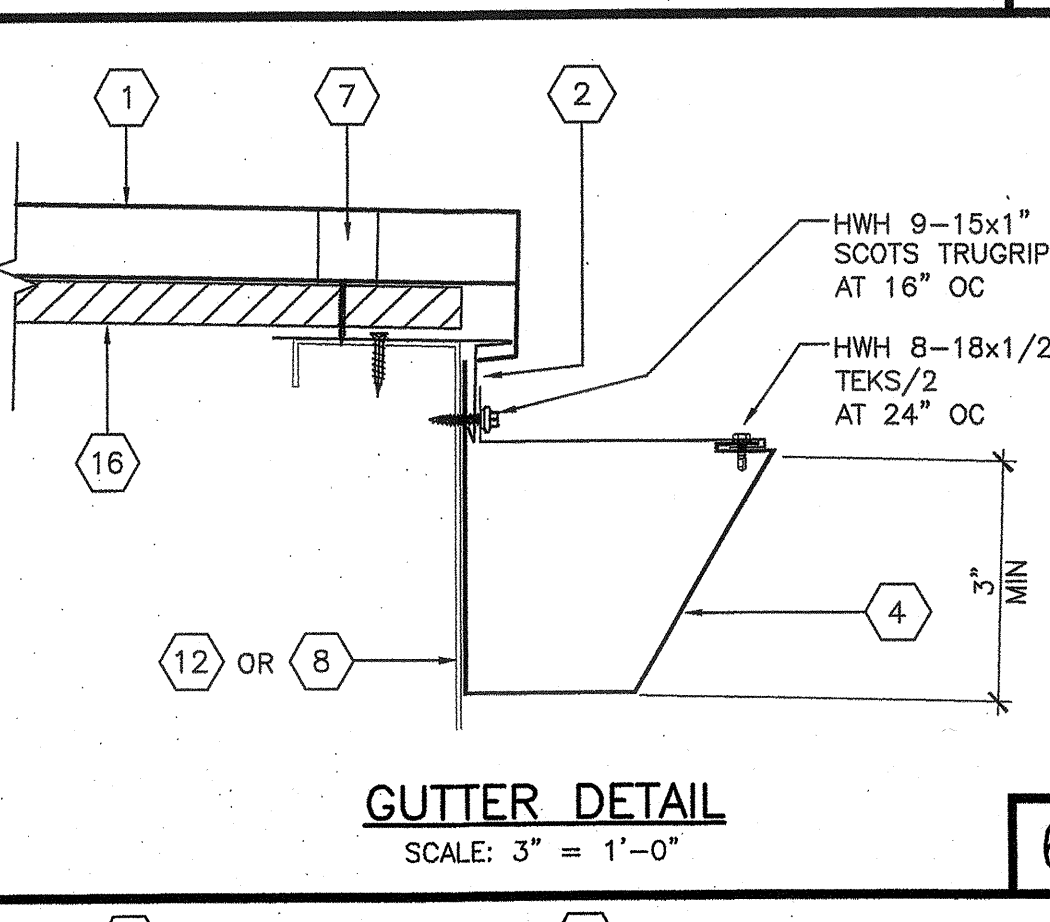
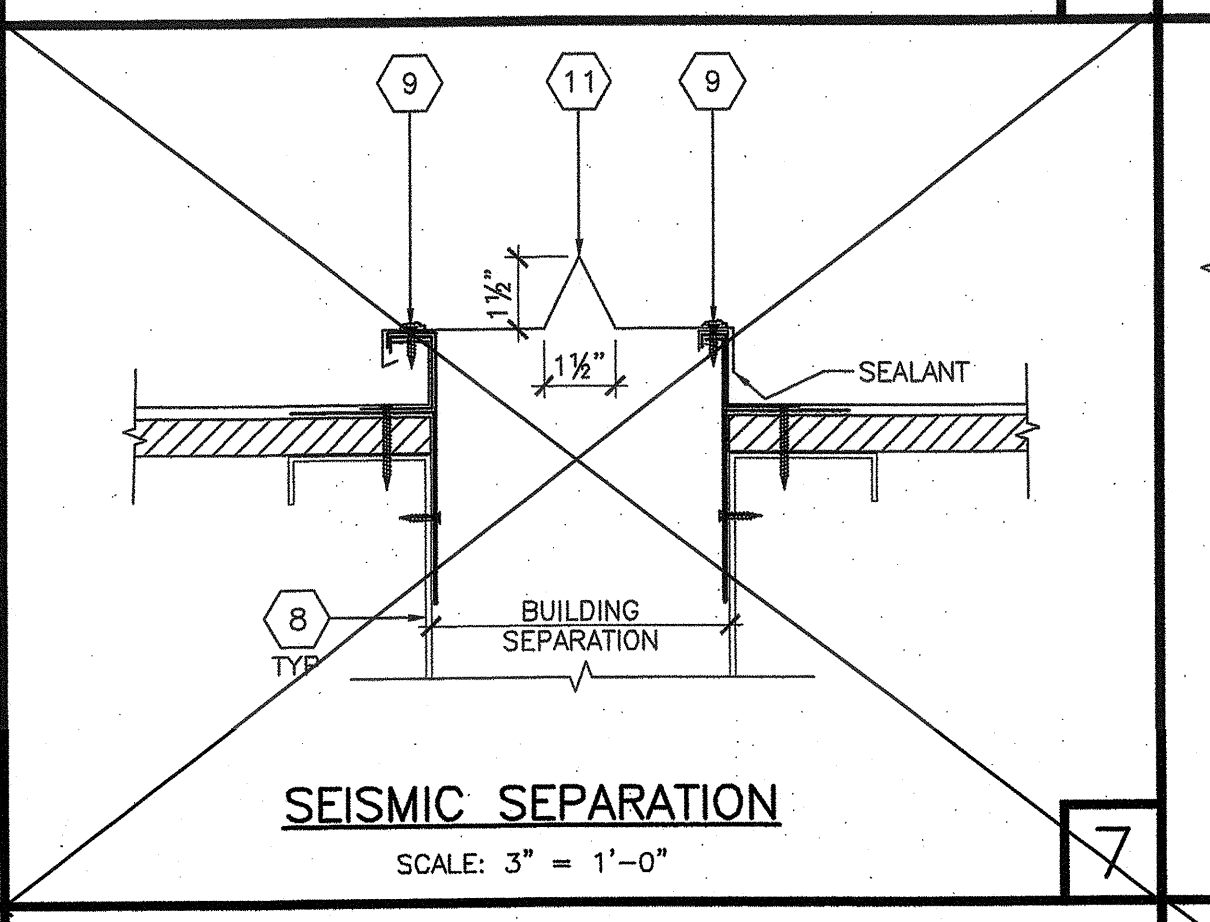
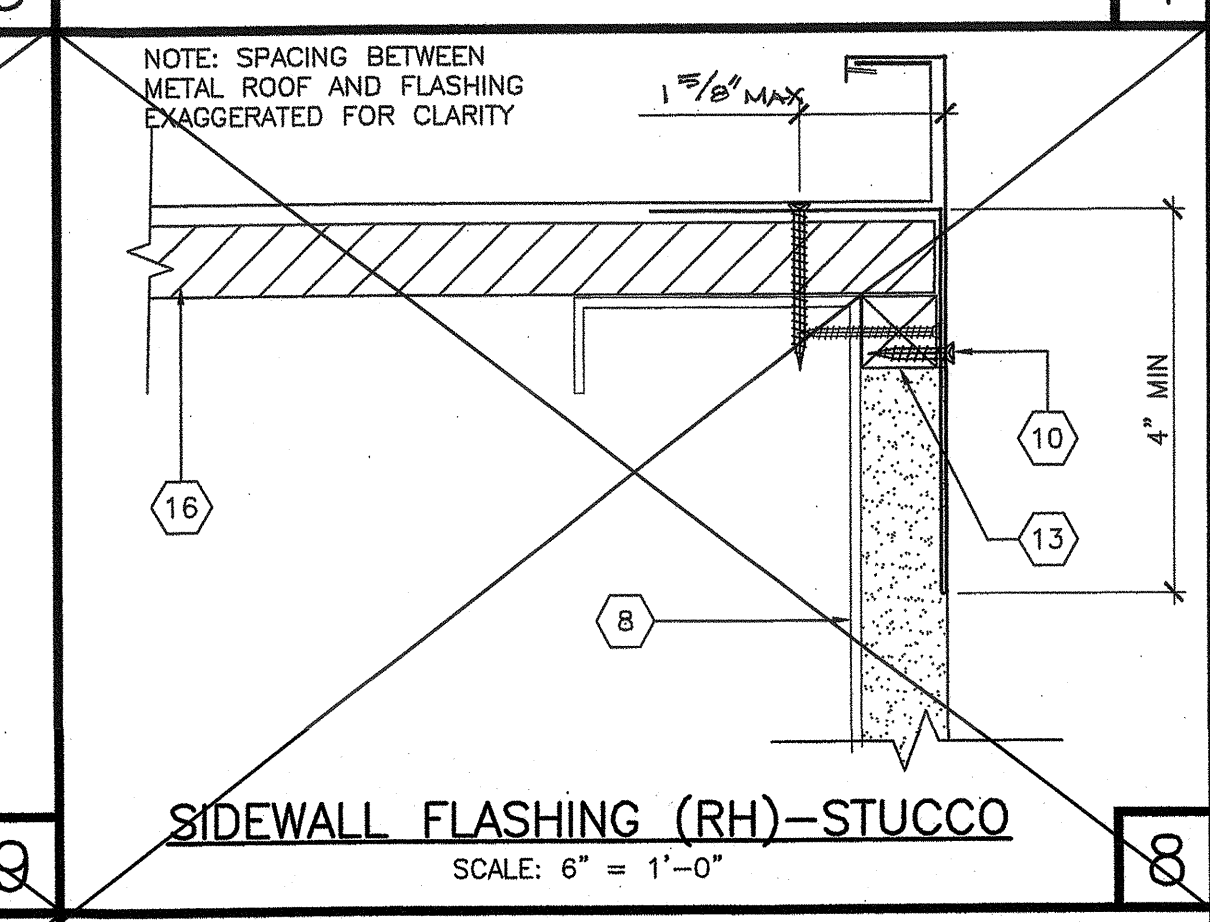
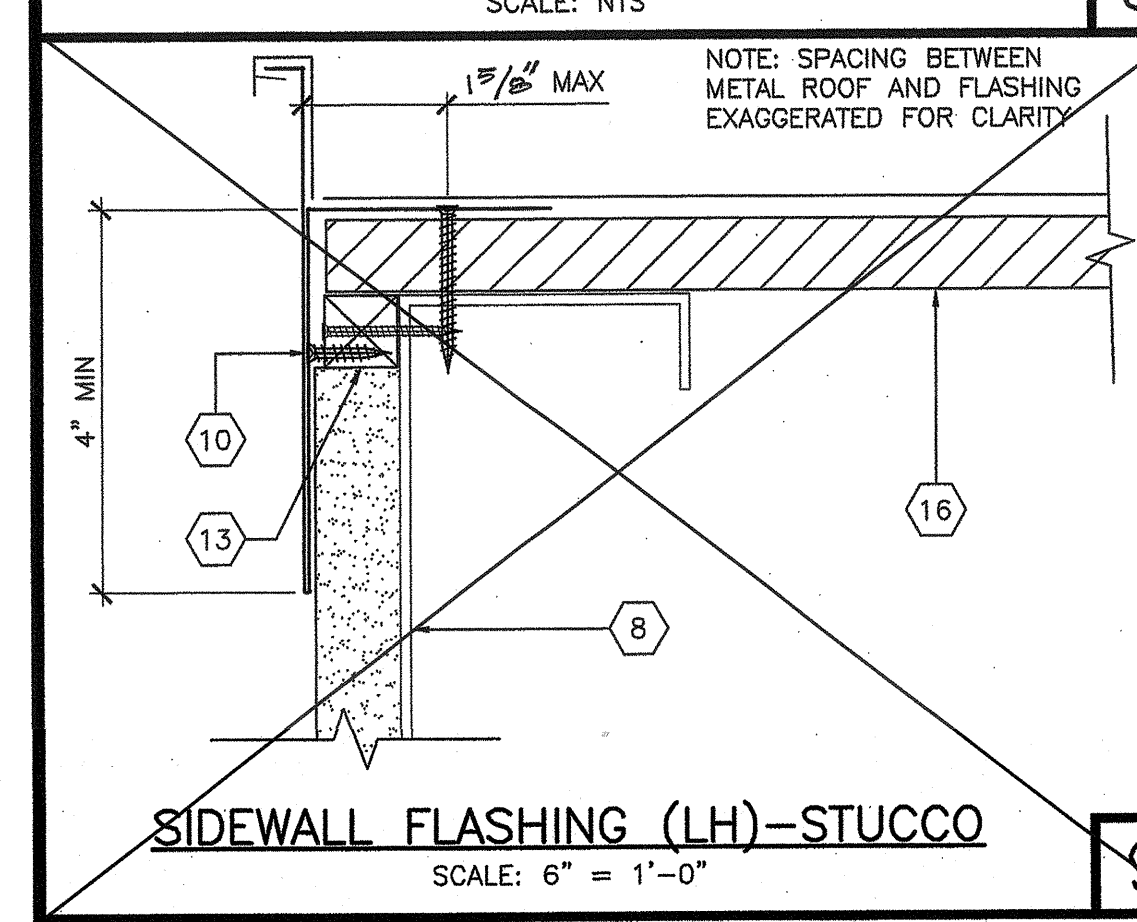
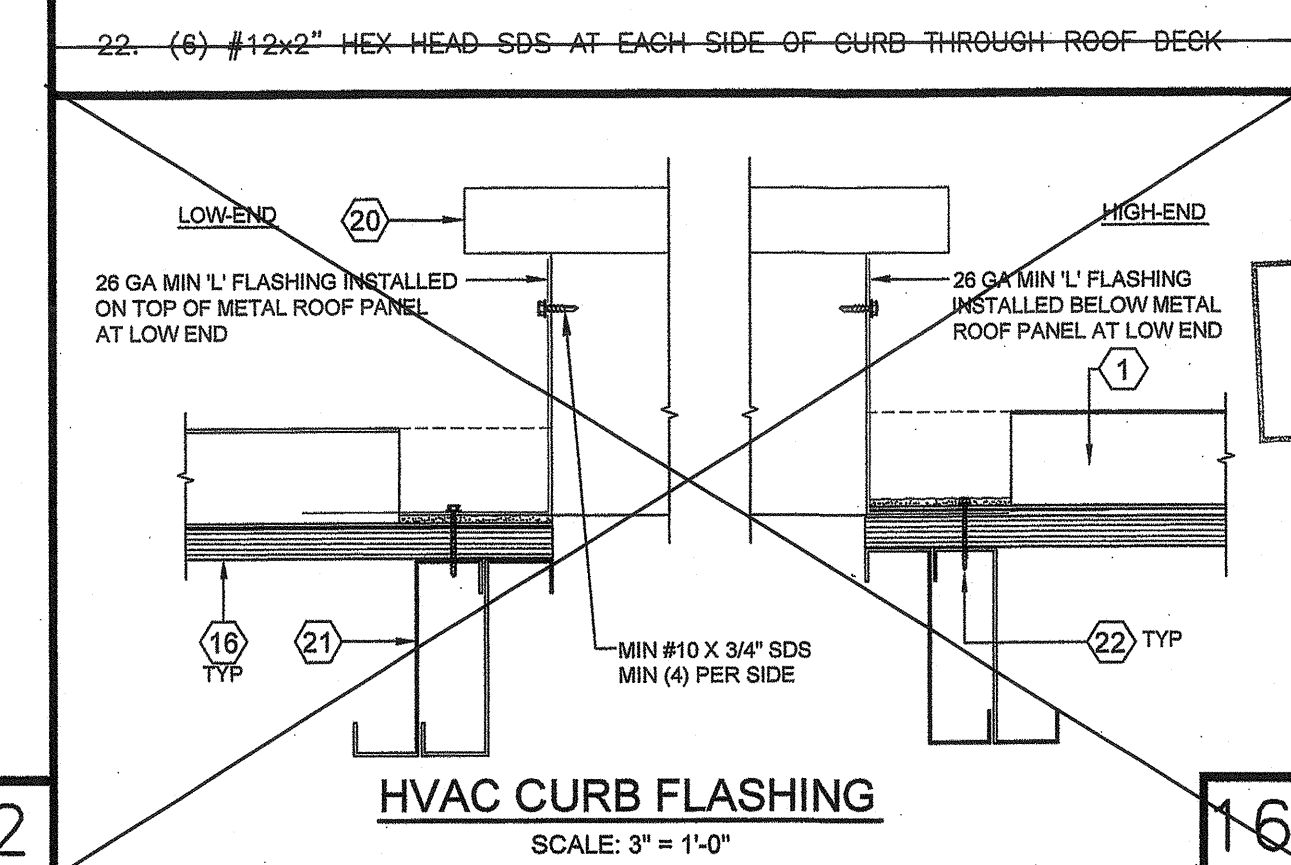
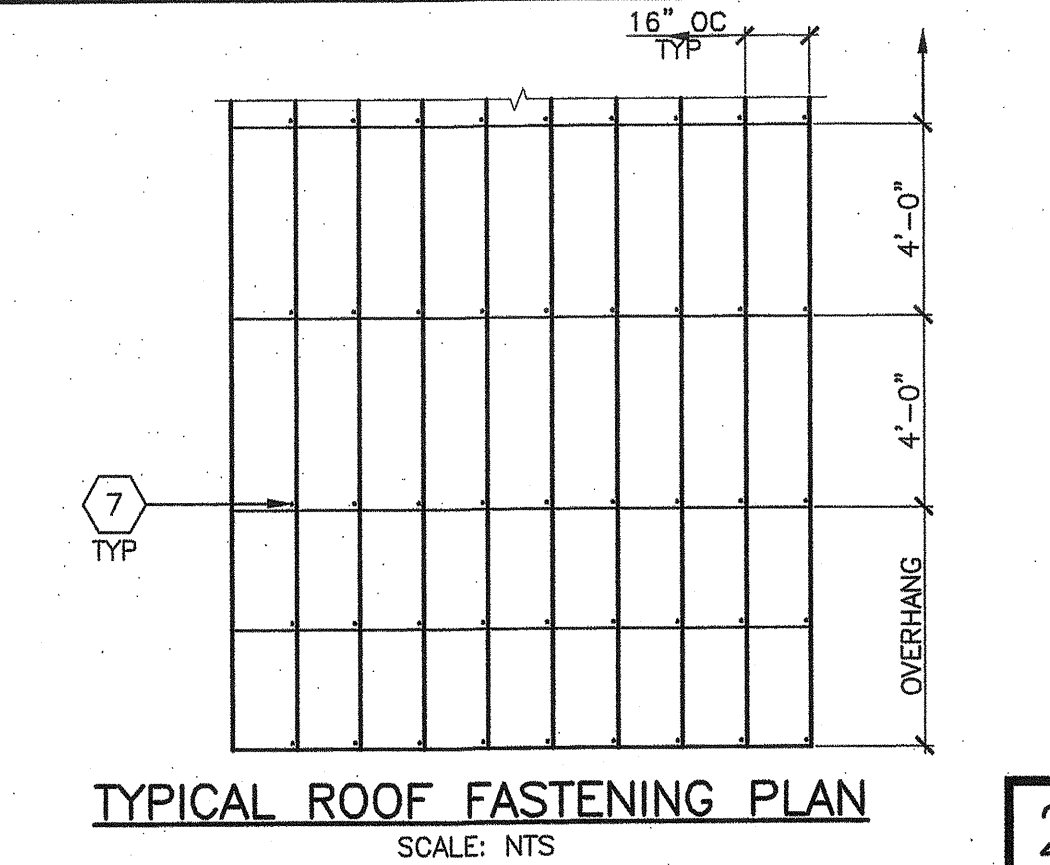
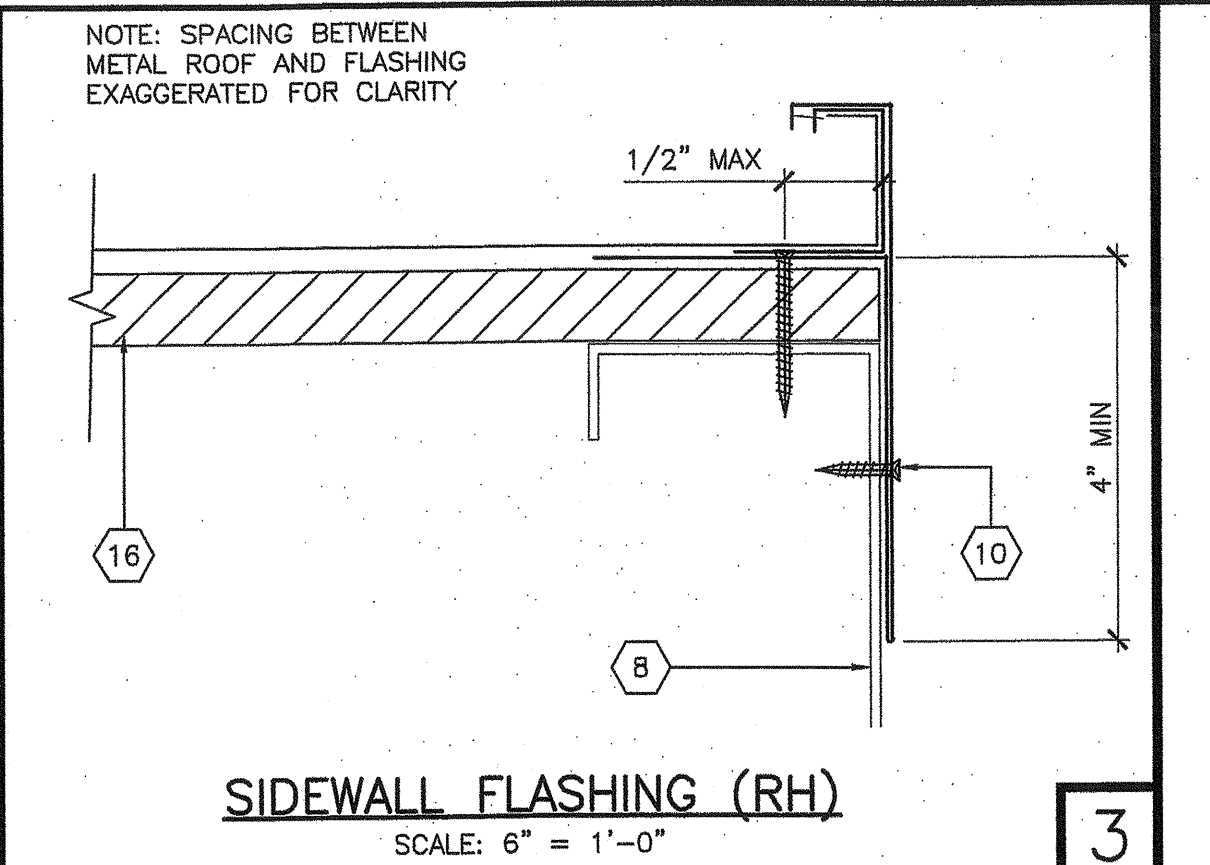
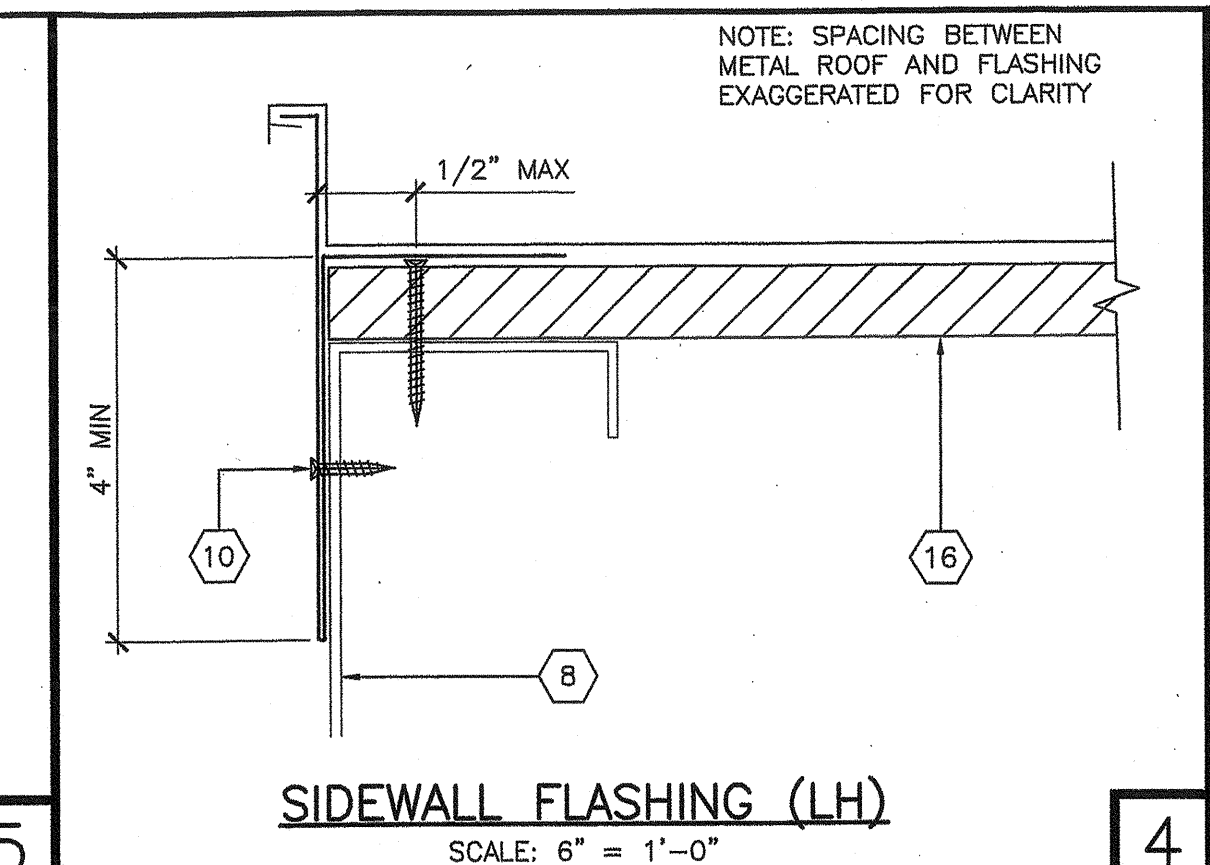
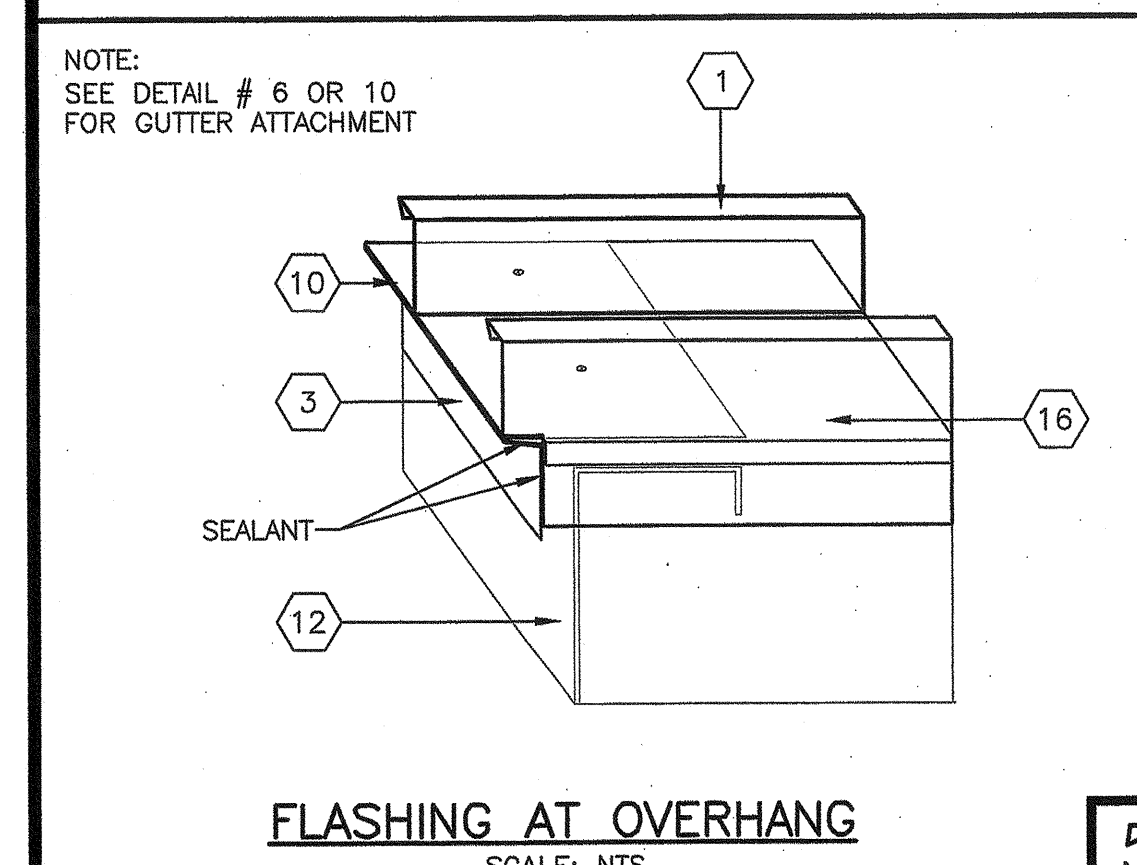
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DIV. OF THE STATE ARCHITECT

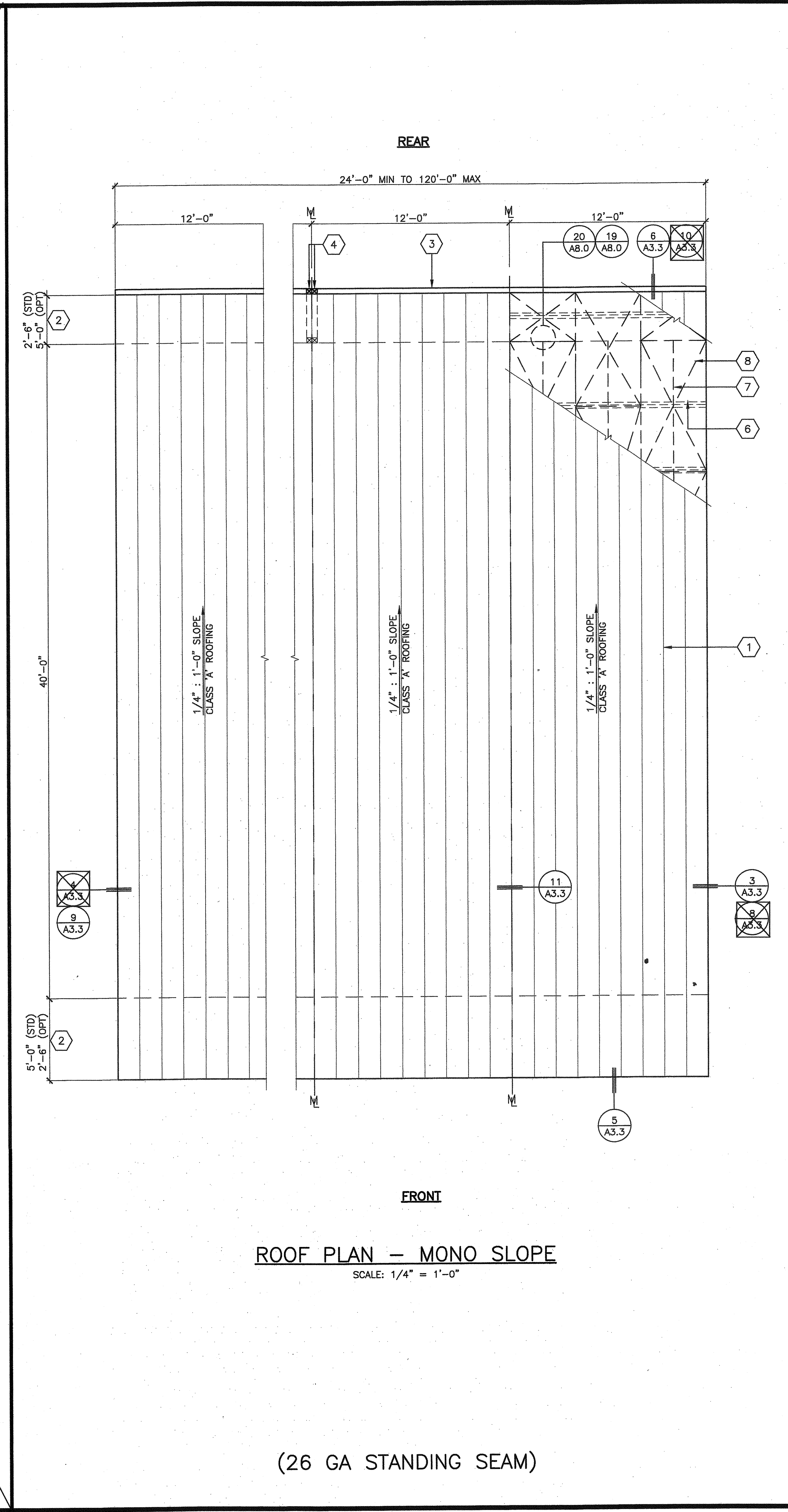
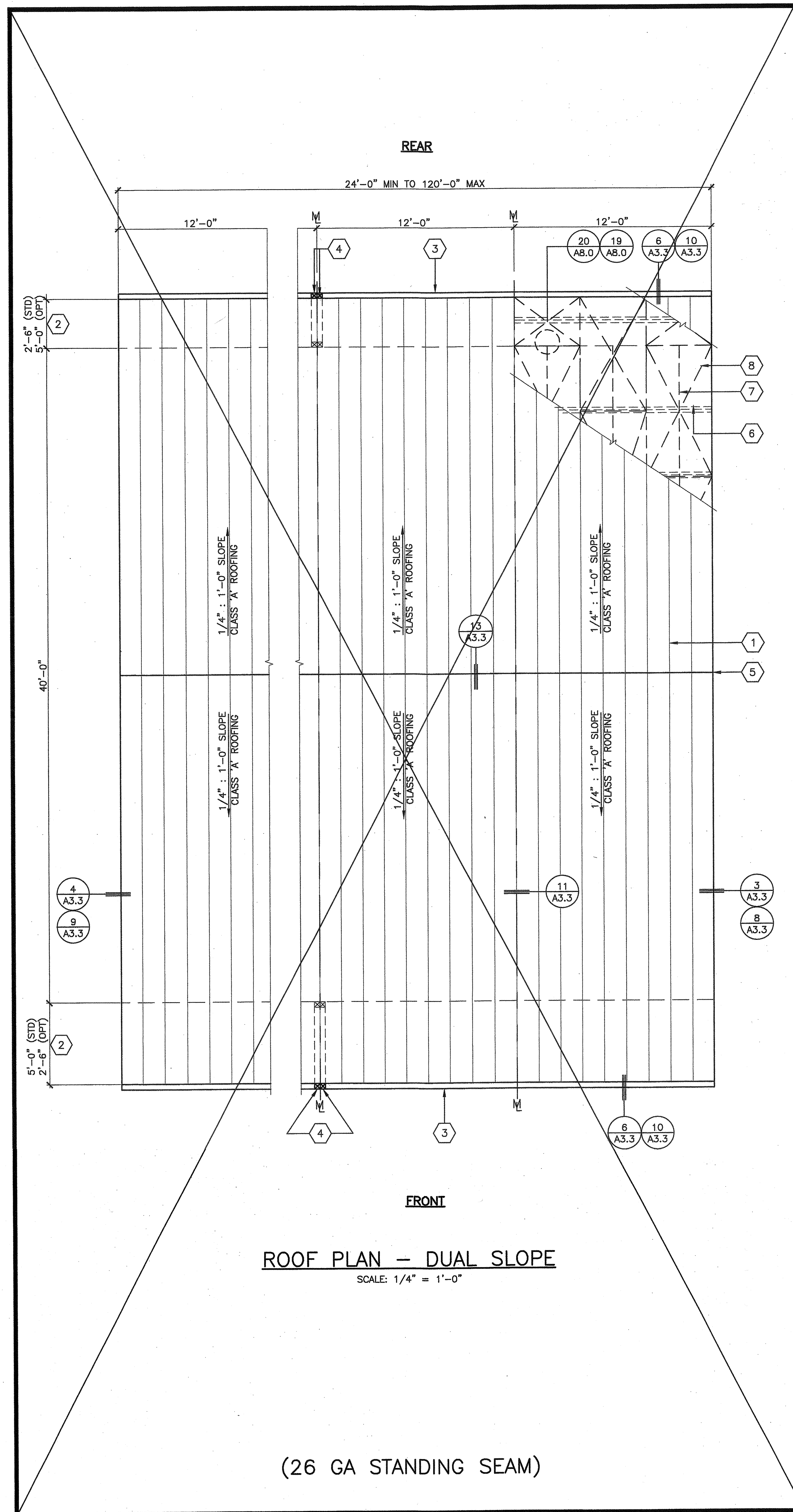
PC 02-116677  
DATE: DEC 11 2018

REVISIONS

PROJECT NO.: 00-0000  
DRAWN BY: 00  
SCALE: AS NOTED  
DATE: 00-00-00  
SHEET NUMBER

# A3.3





**KEY NOTES**

1. STEEL ROOF DECK: 26 GA ROLL FORMED STANDING SEAM SEE DETAIL #16/AB.2
2. OVERHANG MEMBER (SEE STRUCTURAL ROOF FRAMING PLAN FOR PRECISE LENGTH), PRIMARY BLDG ENTRANCES SHALL REQUIRE A 48" MIN DOOR PROTECTION. SEE FLOOR PLAN
3. GUTTER (SEE ROOF DETAILS SHEET FOR MORE INFORMATION)
4. DOWNSPOUT SEE DETAIL #17/AB.0 FOR MORE INFORMATION SEE EXTERIOR SHEET FOR EXACT LOCATION FOR BUILDINGS GREATER THAN 60'-0" SEE SHEET AD.5
5. RIDGE LINE
6. JOIST (SEE STRUCTURAL ROOF FRAMING PLANS)
7. 16 GA WIRE ATTACHED TO ROOF JOISTS FOR INSULATION SUPPORT AT 24" OC MAX
8. PLYWOOD FOR ROOF DIAPHRAGM (SEE STRUCTURAL ROOF FRAMING PLANS)

**GENERAL NOTES**

1. BUILDING HOUSING GROUP 'E' OCCUPANCIES SHALL HAVE ROOF COVERINGS AS SPECIFIED IN TABLE 1505.1 CBC, CLASS 'B' MIN, PER CBC 1505.1.2
2. SEE MECHANICAL PLAN FOR ROOF TOP AC UNIT LOCATIONS. REFER TO #15/AB.9 FOR MOUNTING DETAIL
3. SEE SHEET METAL AND FLASHING DETAILS SHEET AB.2 FOR MORE INFORMATION
4. PROVIDE DRAFTSTOPS AT ATTIC SPACES EXCEEDING 3,000 SF PER SECTION 718.4.3 (APPLIES TO BUILDINGS EQUIPPED WITH AN OPEN-WEB TRUSS SYSTEM ONLY). SEE #16/AB.1

PROJECT SPECIFIC STATE AGENCY APPROVAL

**GLOBAL MODULAR**  
INCORPORATED

**AURORA MODTECH**  
MODULAR STRUCTURES INTERNATIONAL, INC.

CONTRACTORS LICENSE #837357

NORTHERN CALIFORNIA DIVISION 1200 AIRPORT DRIVE CHICOHILLA, CA 95610  
PHONE: (530) 895-3800 FAX: (530) 895-5700  
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PROJECT NAME:

SHEET TITLE:  
**ROOF PLAN  
MONO & DUAL SLOPE  
26 GAUGE METAL**

MFR. STRUCTURAL ENGINEER OF RECORD ON PC

DATE SIGNED:  
DEC 11 2018

MFR. PROJECT SPECIFIC PROFESSIONAL OF RECORD

ARCHITECT OF RECORD

**LICENSE ARCHITECT**  
HAROLD L. HART  
C-38002  
06-30-2021  
RENEWAL DATE  
STATE OF CALIFORNIA

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

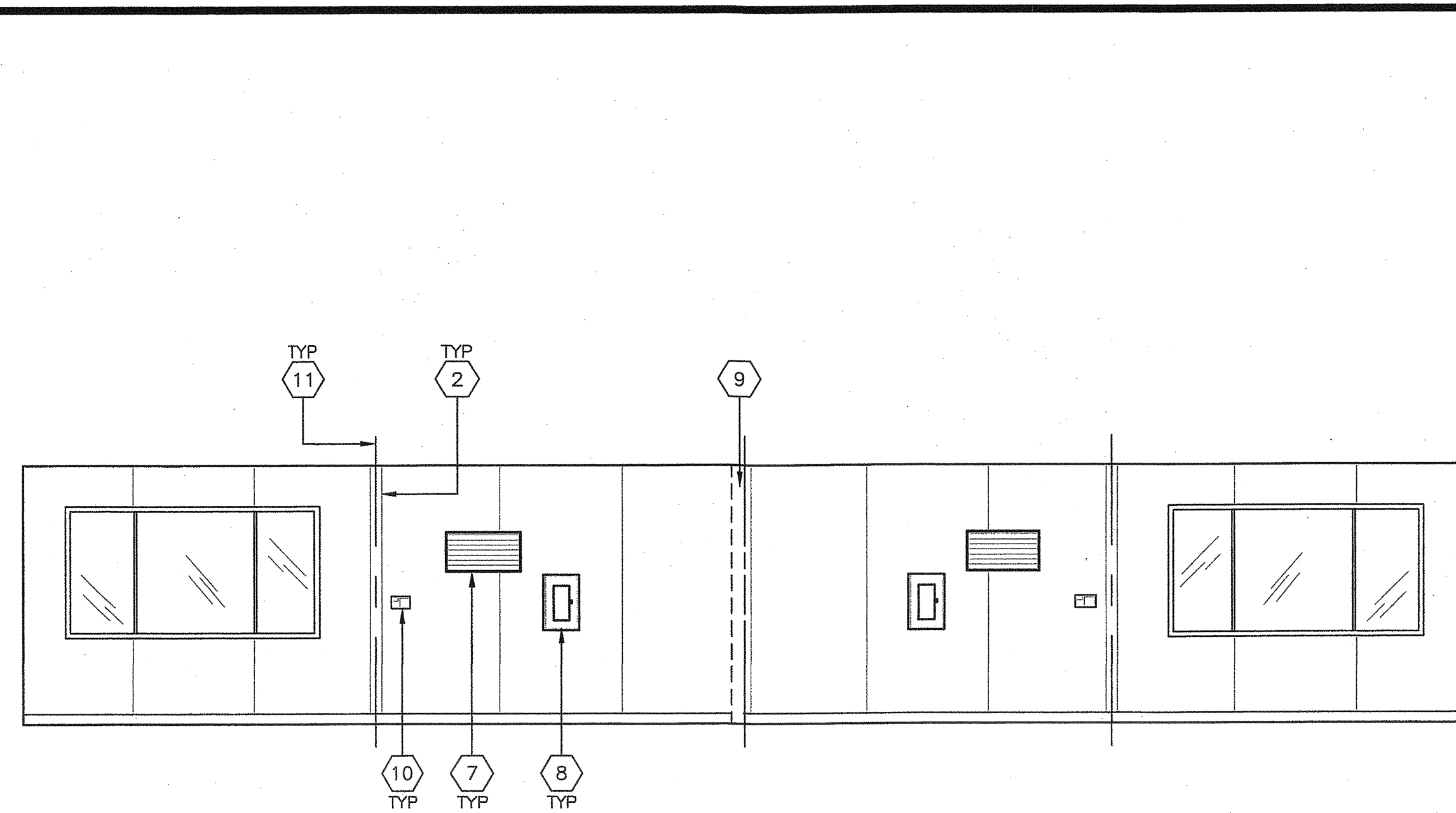
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APPROX 120280  
AC [Signature] FLS / SS [Signature]  
DATE OCT 03 2018

PC 02-116677  
FILE # [Signature]  
DATE DEC 17 2018

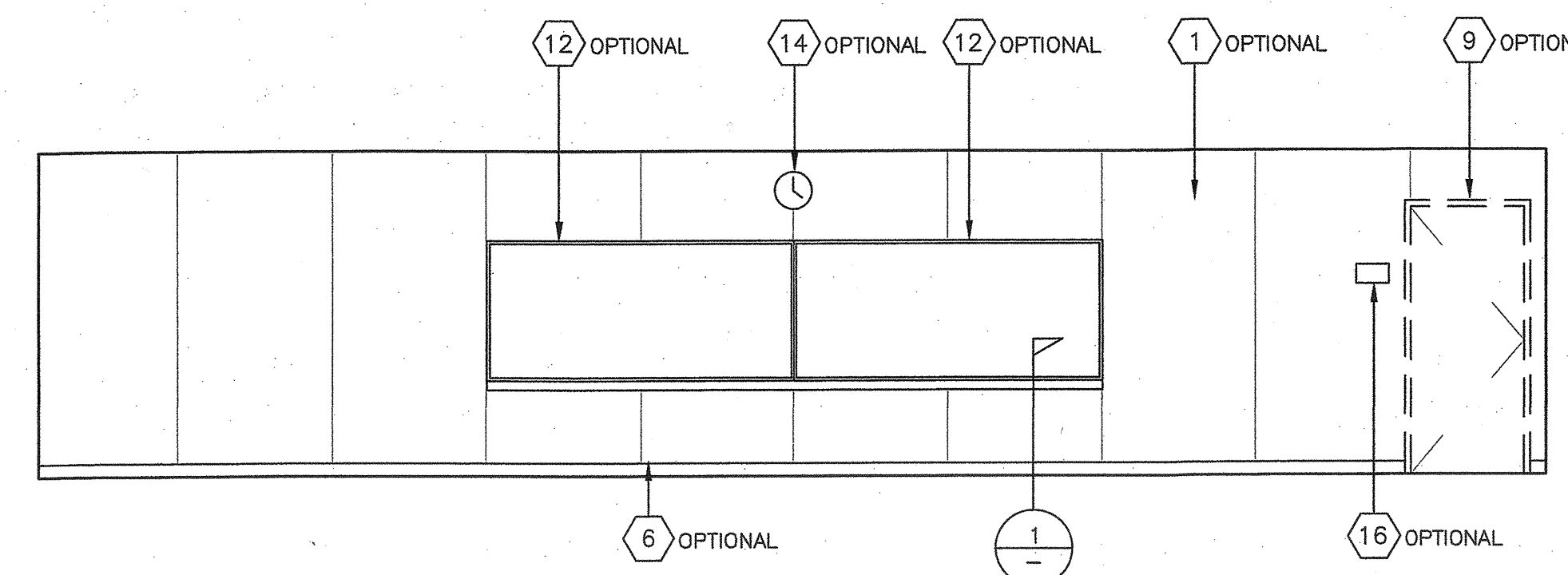
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DATE: 00-00-00  
SHEET NUMBER

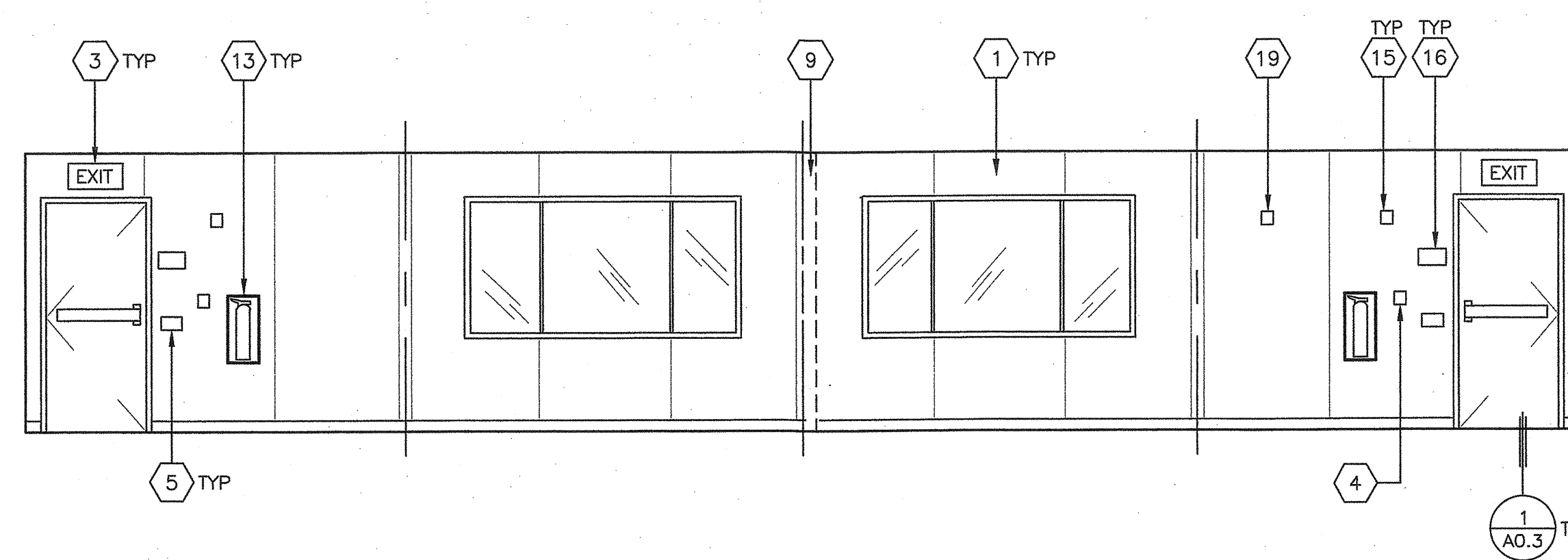
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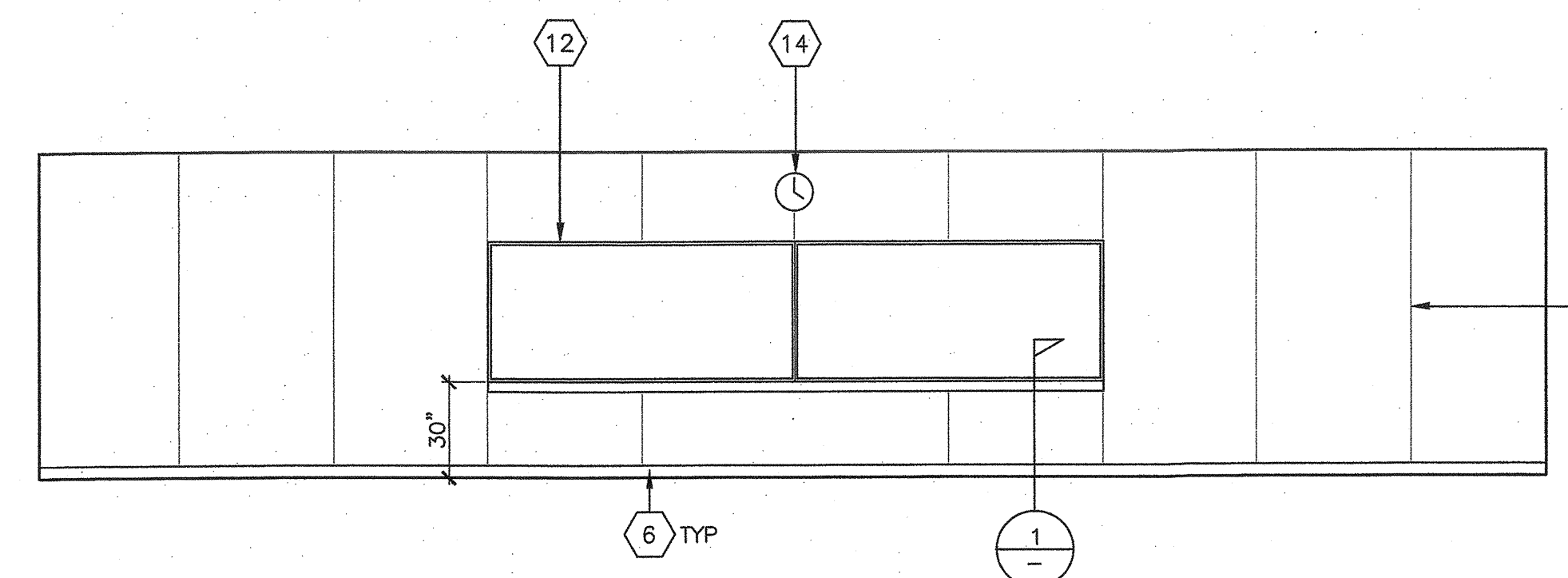
ELEVATION 1



ELEVATION 2 (OPTIONAL)



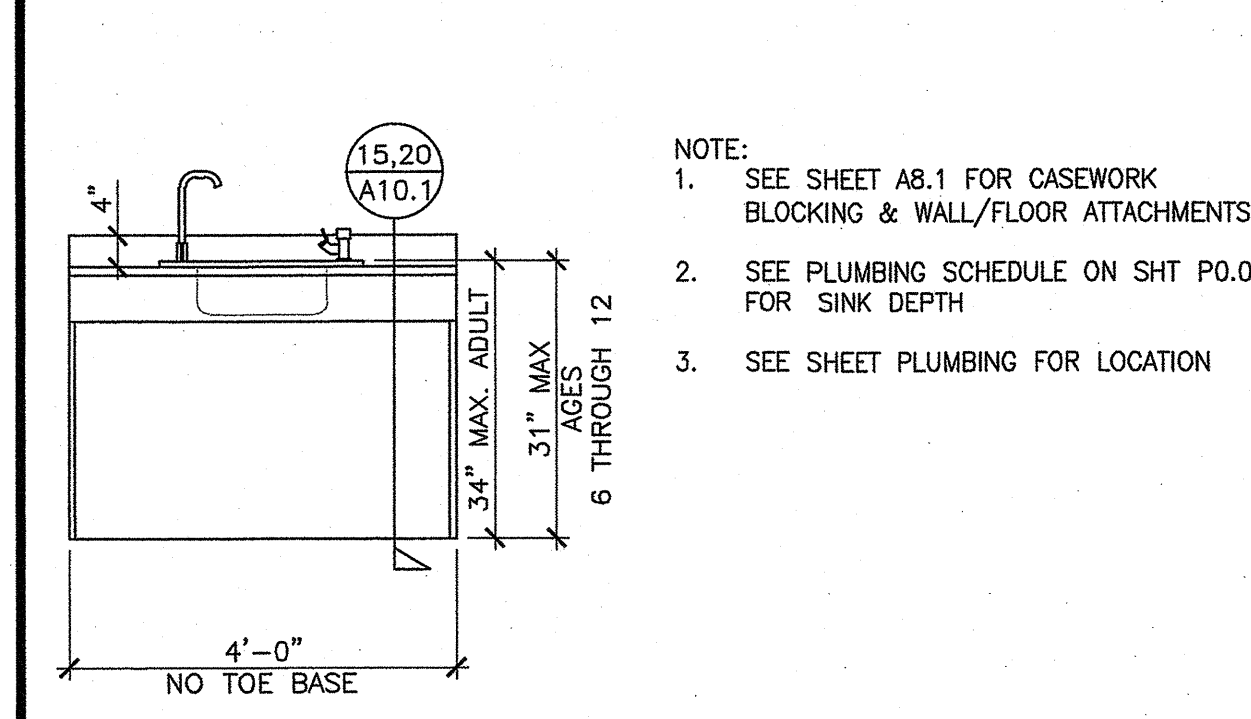
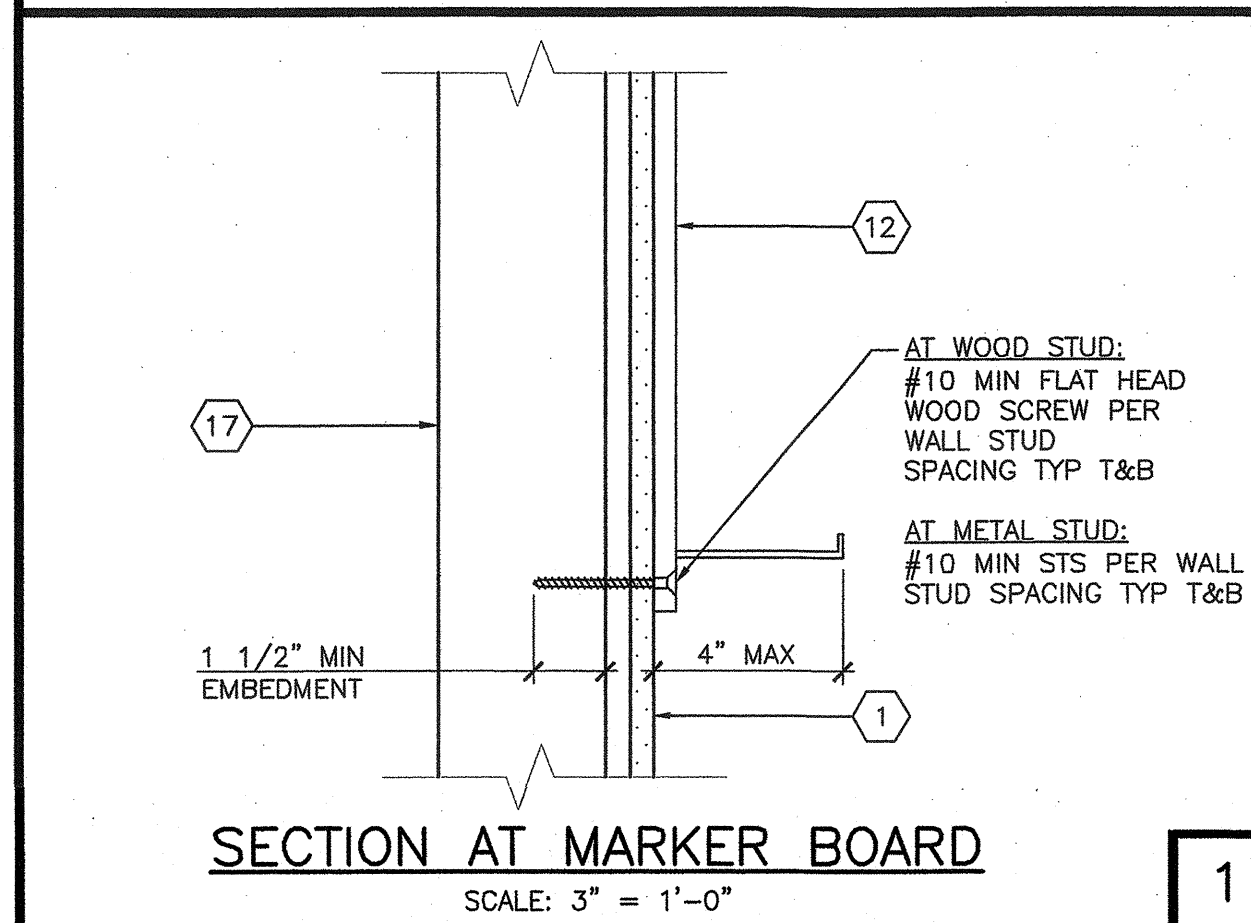
ELEVATION 3



ELEVATION 4

SEE PROJECT SPECIFIC INTERIOR ELEVATIONS

- KEY NOTES**
1. TYPICAL INTERIOR FINISH
  2. CLOSURE AT MODULAR JOINT
  3. LIGHTED EXIT SIGN (SEE ELECTRICAL PLAN)
  4. FIRE ALARM PULL STATION (SEE ELECTRICAL PLAN)
  5. OCCUPANCY SENSOR OR LIGHT SWITCH (SEE ELECTRICAL PLAN)
  6. TOP SET BASE (SEE FINISH SCHEDULE)
  7. RETURN AIR GRILL
  8. ELECTRICAL PANEL +48" TO HANDLE
  9. OPTIONAL INTERIOR DOOR/WALL
  10. THERMOSTAT SEE MECHANICAL PLAN
  11. MODULAR JOINT
  12. 8'-0" x 4'-0" MARKER BOARD ERASER RAIL PROJECT 4" MAX
  13. FIRE EXTINGUISHER IN SEMI-RECESSED CABINET
  14. 12" DIA ELECTRIC CLOCK (SEE ELECTRICAL PLAN)
  15. HORN/STROBE (SEE ELECTRICAL PLAN)
  16. TACTILE EXIT SIGNAGE (SEE SIGNAGE SHEET)
  17. WALL SYSTEM (SEE WALL FRAMING ELEVATION SHEET)
  18. INTERIOR FINISH SEAM
  19. OCCUPANT LOAD SIGN (SEE SIGNAGE SHEET)



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

(OPTIONAL) CLASSROOM SINK ELEVATION  
SCALE: 1/2" = 1'-0"

PROJECT SPECIFIC STATE AGENCY APPROVAL

**GLOBAL MODULAR**  
Incorporated

**AURORA MDTech**  
MODULAR STRUCTURES INTERNATIONAL, INC.

CONTRACTORS LICENSE #837357

NORTHERN CALIFORNIA DIVISION  
1300 AIRPORT DRIVE  
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PROJECT NAME:

SHEET TITLE:  
**INTERIOR ELEVATIONS  
48'X40'**

MFR. STRUCTURAL ENGINEER OF RECORD ON PC

DATE SIGNED  
DEC 11 2015

MFR. PROJECT SPECIFIC PROFESSIONAL OF RECORD

IDENTIFICATION STAMP  
DIV. OF THE STATE ARCHITECT  
APPROX 120280  
AC FLS / SS  
DATE OCT 03 2018

ARCHITECT OF RECORD

RENEWAL DATE 06-30-2021

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

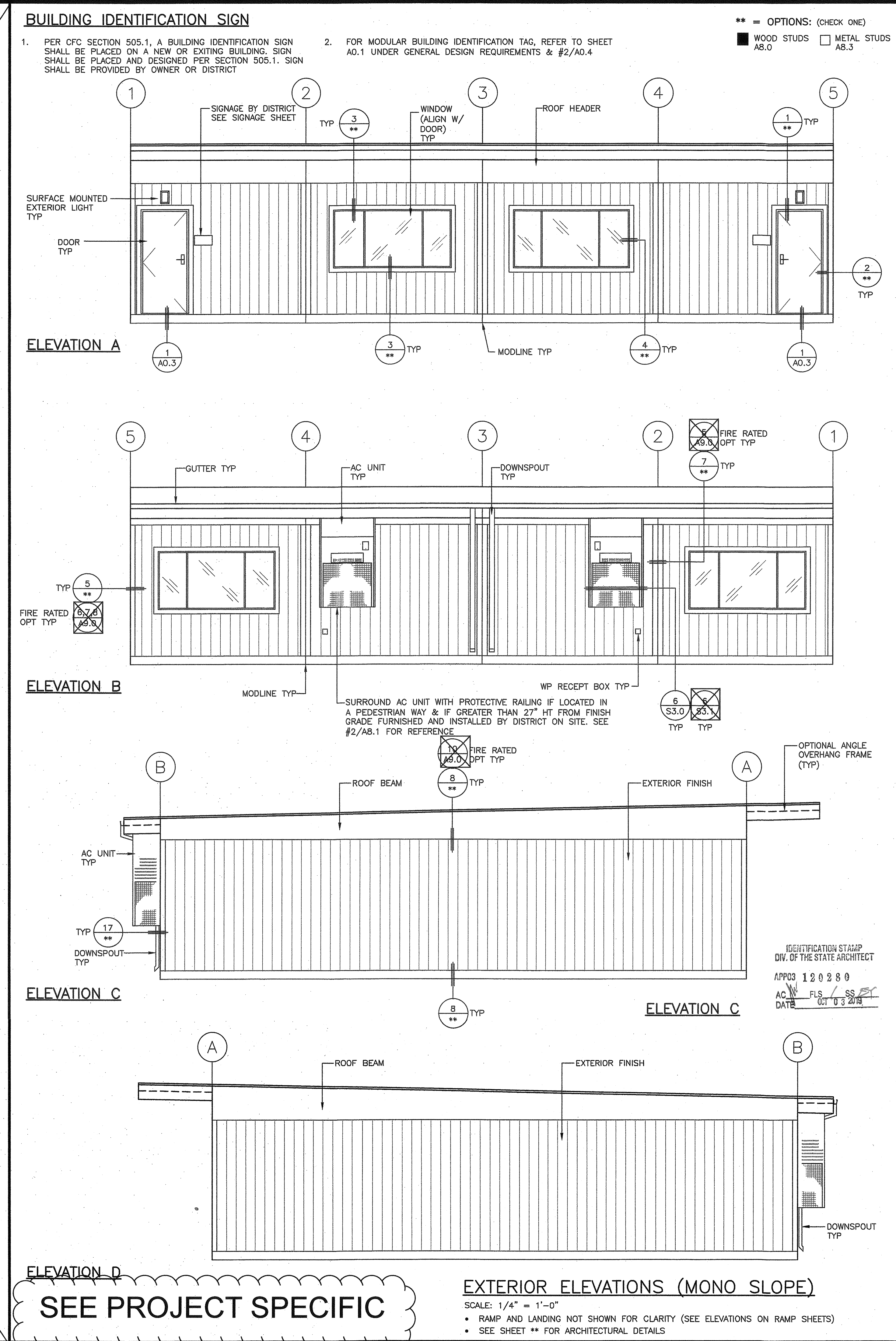
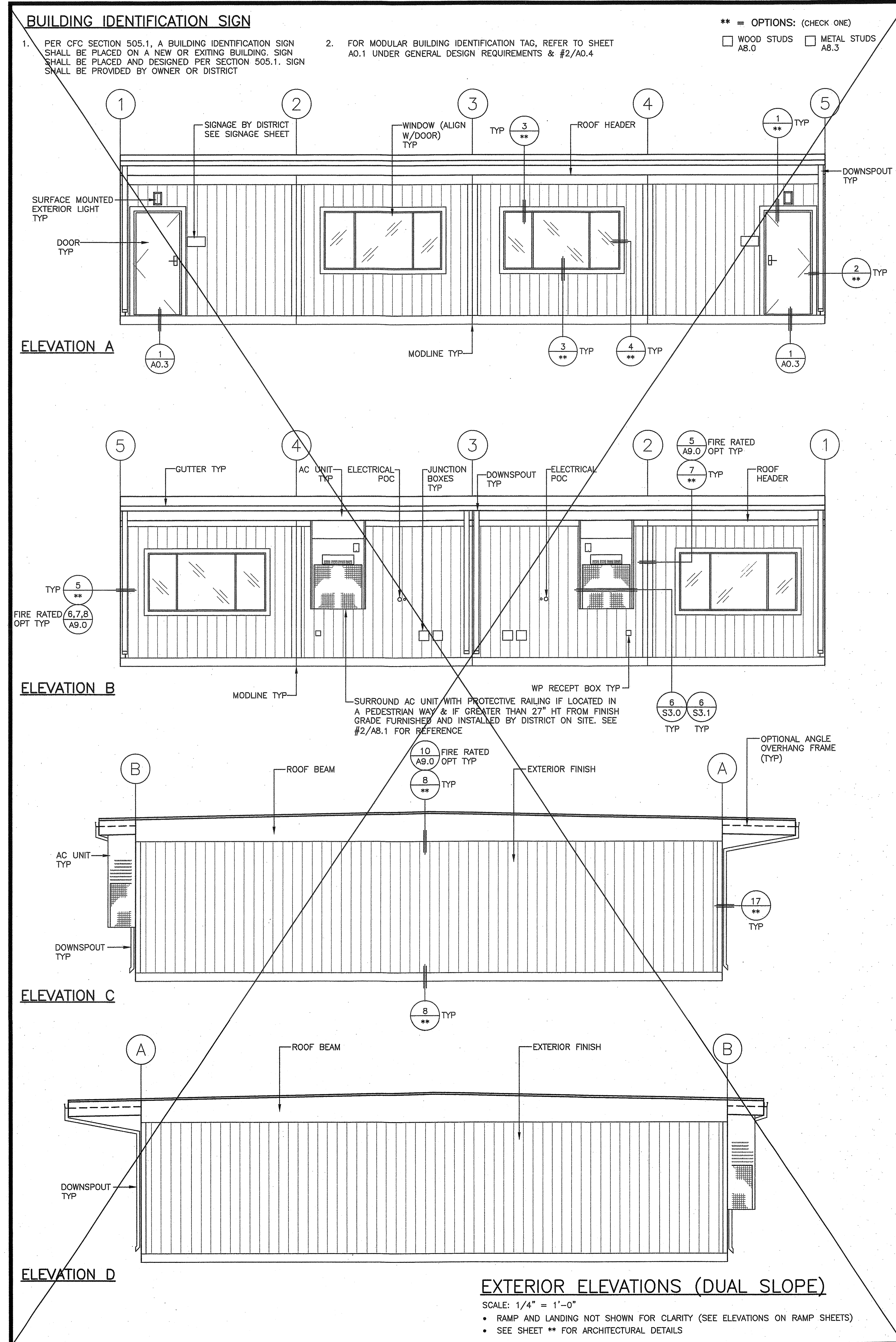
IDENTIFICATION STAMP  
DIV. OF THE STATE ARCHITECT

PC 02-116677  
DATE DEC 14 2018

REVISIONS


PROJECT NO.: 00-0000  
DRAWN BY: 00  
SCALE: AS NOTED  
DATE: 00-00-00

SHEET NUMBER  
**A4.3**



**SEE PROJECT SPECIFIC**

PROJECT SPECIFIC STATE AGENCY APPROVAL

**GLOBAL MODULAR**  
 Incorporated

**AURORA MODTECH** MODULAR STRUCTURES INTERNATIONAL, INC.  
 DESIGNS

CONTRACTORS LICENSE #837357

NORTHERN CALIFORNIA DIVISION: 1200 AIRPORT DRIVE, CHICOHILLA, CA 95610  
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PROJECT NAME:

SHEET TITLE:  
**EXTERIOR ELEVATIONS  
 WOOD SIDING  
 48'x40'**

MFR. STRUCTURAL ENGINEER OF RECORD ON PC

DATE SIGNED:  
 DEC 11 2018

MFR. PROJECT SPECIFIC PROFESSIONAL OF RECORD

ARCHITECT OF RECORD  
 LICENSED ARCHITECT  
 HAROLD L. HART  
 C-38002  
 06-30-2021  
 RENEWAL DATE

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

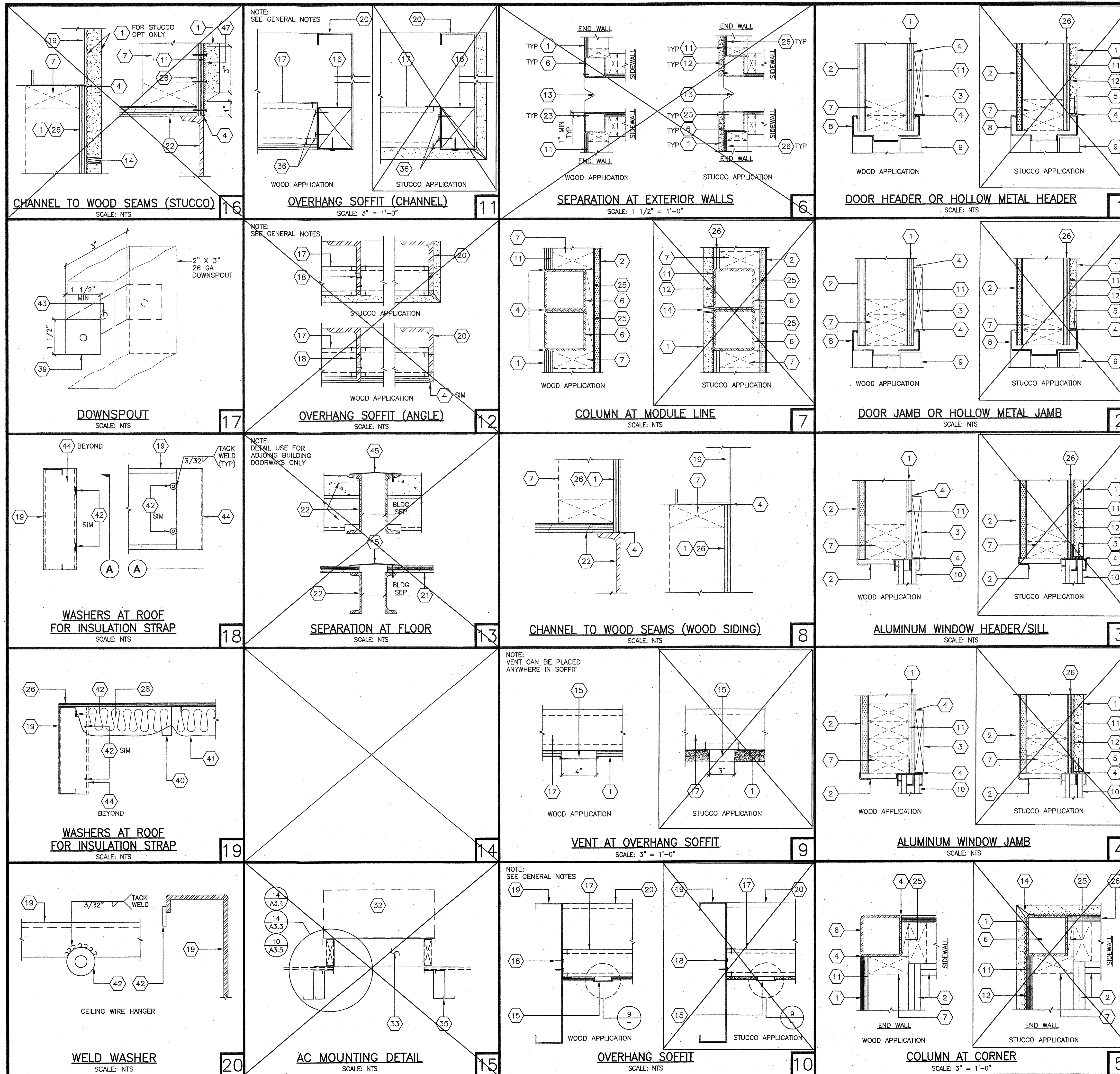
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 DIV. OF THE STATE ARCHITECT  
 APP03 120280  
 AC W/ FLS/ SS  
 DATE: OCT 03 2018

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 DIV. OF THE STATE ARCHITECT  
 PC 02-118677  
 DATE: DEC 14 2018

REVISIONS

PROJECT NO.: 00-0000  
 DRAWN BY: 00  
 SCALE: AS NOTED  
 DATE: 00-00-00  
 SHEET NUMBER

**A5.3**



**KEY NOTES**

- EXTERIOR FINISH (SEE CONSTRUCTION MATERIALS SCHEDULE)
- INTERIOR FINISH (SEE FINISH SCHEDULE)
- OPTIONAL TRIM - 5/4 ENGINEERED WOOD TRIM NAILED @ 24" OC MAX (SEE NAILING SCHEDULE ON WALL FRAMING ELEVATION SHEET)
- PAINTABLE SEALANT USE ALSO AT LOCATIONS THAT NEED A WATER TIGHT SEAL WHERE EXTERIOR BUILDING MATERIALS MEET
- J-MOLD
- COLUMN
- WALL FRAMING - WOOD STUDS (SEE FRAMING SHEET)
- DOOR/WINDOW FRAME
- DOOR (SEE DOOR SCHEDULE)
- WINDOW (SEE WINDOW SCHEDULE)
- BUILDING PAPER
- SELF-FURRING METAL LATH
- 26 GA GALVANIZED SEISMIC FLASHING
- CONTROL JOINT - 7" A.F.F. OR VERIFY HEIGHT.
- 4"x10" VENT AT WOOD APPLICATION LOCATED 10" FROM OVERHANG PERIMETER AT EACH 12"-0" WIDE MODULE OVERHANG (SEE RCP)
- 3" CONTINUOUS AT STUCCO APPLICATION STARTING AT 10" FROM OVERHANG PERIMETER
- 4x BLOCK ATTACHED TO OVERHANG MEMBER WITH MIN #10 X 1-1/2" WS AT 24" OC
- C-3.5" X 20 GA METAL STUDS @ 16" OC ATTACH STUD TO TRACK WITH #8 SMS AT EACH FLANGE
- C-3.6" X 20 GA METAL TRACK TO ROOF HEADER WITH (2) #8 SMS AT 12" OC
- ROOF HEADER/BREAM
- OVERHANG MEMBER (STRUCTURAL ROOF FRAMING PLAN)
- PLYWOOD FLOOR (SEE STRUCTURAL FLOOR FRAMING PLAN)
- FLOOR SYSTEM (SEE STRUCTURAL FLOOR FRAMING PLAN)
- #8 SELF-TAPPING SHEET METAL SCREW @ 24" OC
- NOT USED
- 2X PLYWOOD SPACER
- PLYWOOD SHEATHING (SEE WALL FRAMING ELEVATION SHEET)
- ROOF FINISH (SEE SHEET A0-2)
- ROOF INSULATION
- NOT USED
- COMPOSITION FLASHING
- NOT USED
- AG-UNIT
- PREFABRICATED METAL CURB
- PLYWOOD FILLER AROUND CURB
- DOUBLE JOIST
- ATTACH METAL TRACK TO BLOCK WITH (2) #10 WOOD SCREW @ 12" OC
- 22 GA MIN FLASHING
- (6) #10x2" RH TEK SCREWS EACH SIDE OF CURB TO ROOF DECK
- 24 GA METAL STRAP, TOTAL OF (2) TOP AND BOTTOM AT 12" MIN FROM EACH END OF DOWNSPOUT WITH #8 SMS ON EACH SIDE
- ROOF JOIST
- STRAP FOR INSULATION
- WELD WASHER - 1 3/8" X 3/32" THICK WITH 9/16" HOLE, WELD TO UPPER CHANNEL FLANGE
- ATTACH STRAP TO WALL WITH #10 WOOD SCREW FOR WOOD SIDING APPLICATION; USE #10 STS FOR STUCCO FINISH APPLICATION
- ROOF STUB COLUMN
- SEISMIC THRESHOLD USE #10 STS SECURE TO ONE SIDE ONLY OR INSTALL PER SPECIFIC THRESHOLD MANUFACTURER REQUIREMENTS
- HIDDEN LINE REPRESENT TO TRIM AND BEND STANDING SEAM FLAT AROUND A/G OPENING
- STUCCO WEEP SCREED (BEHIND BLDG PAPER), INSTALL WITH #10 STS

**GENERAL NOTES**

- EXTERIOR PLYWOOD ATTACHED TO STUDS WITH CORROSION RESISTANT SCREWS (SEE WALL FRAMING ELEVATION SHEET FOR ATTACHMENT INFORMATION)
- (ALTERNATE EXT WALL FINISH) 7/8" STUCCO FINISH OVER SELF-FURRING LATH OVER FELT PAPER OVER CD-X PLYWOOD SHEATHING SEE SHEET A0-2 FOR FELT PAPER SELF-FURRING LATH AND CEMENT ATTACHMENT SEE WALL FRAMING ELEVATION SHEET FOR CD-X PLYWOOD ATTACHMENT NOTE USE #10 X 3/4" WAFERHEAD STMS AT 6" EN & 12" EN
- (STANDARD EXT WALL FINISH) 5/8" PLYWOOD SIDING (DURATEMP) SEE SHEET A0.2 FOR INFORMATION SEE WALL FRAMING ELEVATION SHEET FOR PLYWOOD SIDING ATTACHMENT
- (STANDARD SOFFIT FINISH) 5/8" PLYWOOD SIDING (DURATEMP) SEE SHEET A0.2 FOR INFORMATION SEE WALL FRAMING ELEVATION SHEET FOR PLYWOOD SIDING ATTACHMENT (SIMILAR ATTACHMENT)
- (ALTERNATE SOFFIT FINISH) 7/8" STUCCO FINISH OVER 3/8" RIB LATH OVER FELT PAPER OVER CD-X PLYWOOD SHEATHING SEE SHEET A0-2 FOR FELT PAPER, RIB LATH AND CEMENT ATTACHMENT SEE WALL FRAMING ELEVATION SHEET FOR CD-X PLYWOOD ATTACHMENT NOTE USE #8-18 X 3/8" STS (MIN 7/16" HEAD DIA) WITH 1 1/4" OD X 1 1/4" ID WASHERS AT 7" EN & 7" EN
- SOFFIT NOTE: THE NET FREE VENTILATION AREA SHALL NOT BE LESS THAN 1/150 OF THE AREA OF THE SPACE TO BE VENTILATED

PROJECT SPECIFIC STATE AGENCY APPROVAL

IDENTIFICATION STAMP  
DIV. OF THE STATE ARCHITECT  
APPROX 120880  
AC FLA SS ST  
DATE 02 14 2008

**GLOBAL MODULAR**  
INCORPORATED

**AURORA MOTECH**  
DESIGNS

CONTRACTORS LICENSE #837357

NORTHERN CALIFORNIA DIVISION 1500 AIRPORT DRIVE, SUITE #M-21, CHOWCHILLA, CA 93610  
PHONE: (559) 865-5800 FAX: (559) 865-5700 WEBSITE: WWW.GDM.NET

SOUTHERN CALIFORNIA DIVISION 1850 CHOWCHILLA AVE., SUITE #M-21, REVERDE, CA 92507  
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PROJECT NAME:

SHEET TITLE:

**ARCHITECTURAL DETAILS**

MFR. STRUCTURAL ENGINEER OF RECORD ON PC

DATE SIGNED  
DEC 11 2008

MFR. PROJECT SPECIFIC PROFESSIONAL OF RECORD

ARCHITECT OF RECORD

**REGISTERED ARCHITECT**  
HAROLD L. HART  
C-38002  
06-30-2011  
RENEWAL DATE

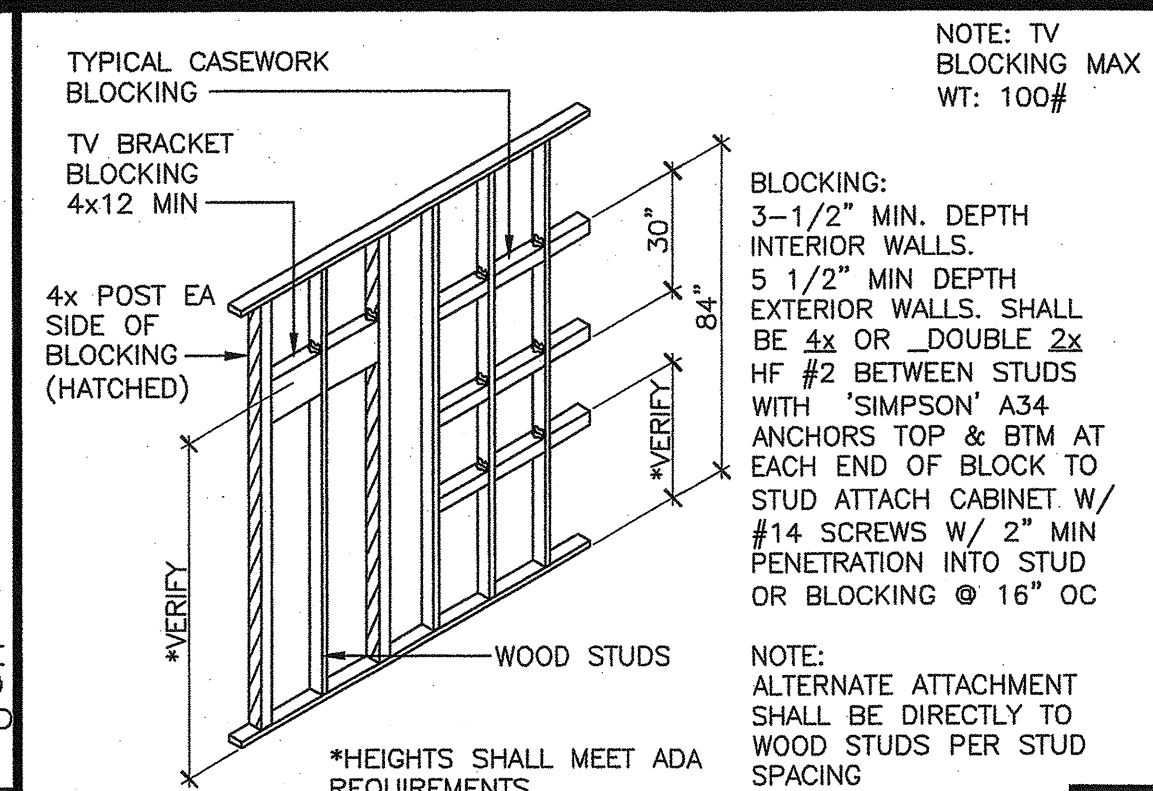
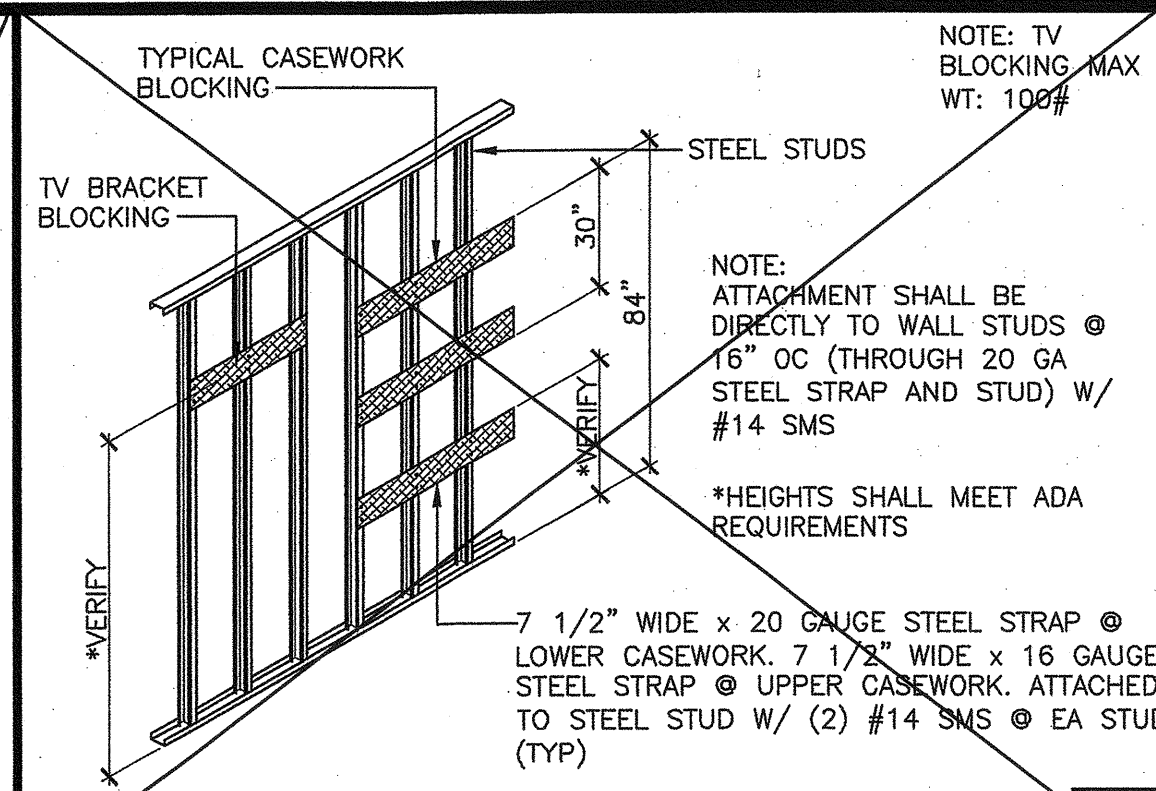
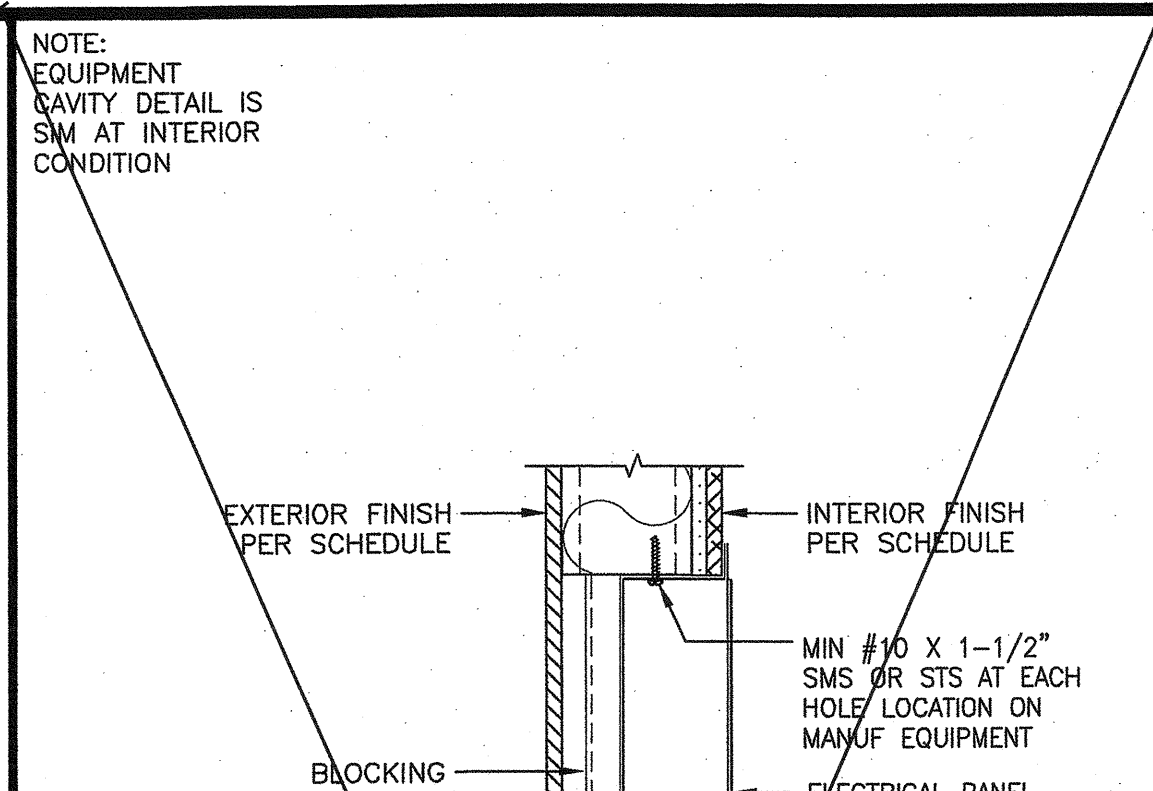
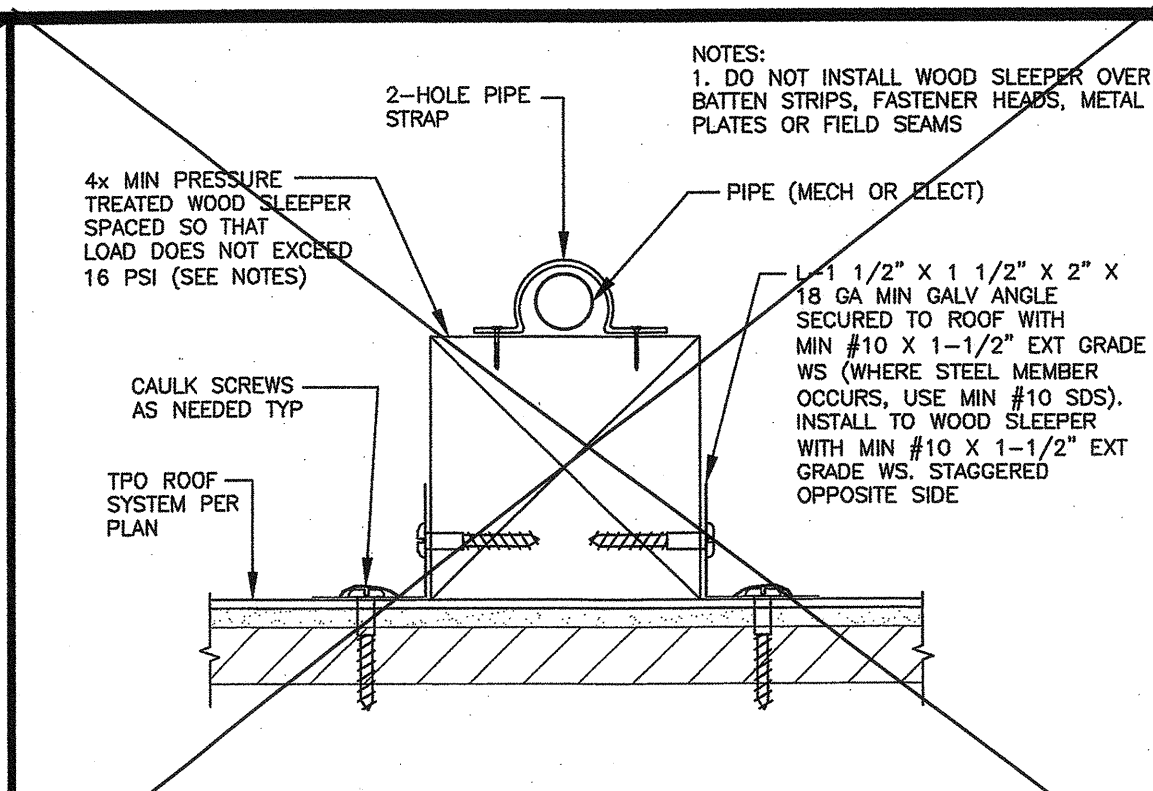
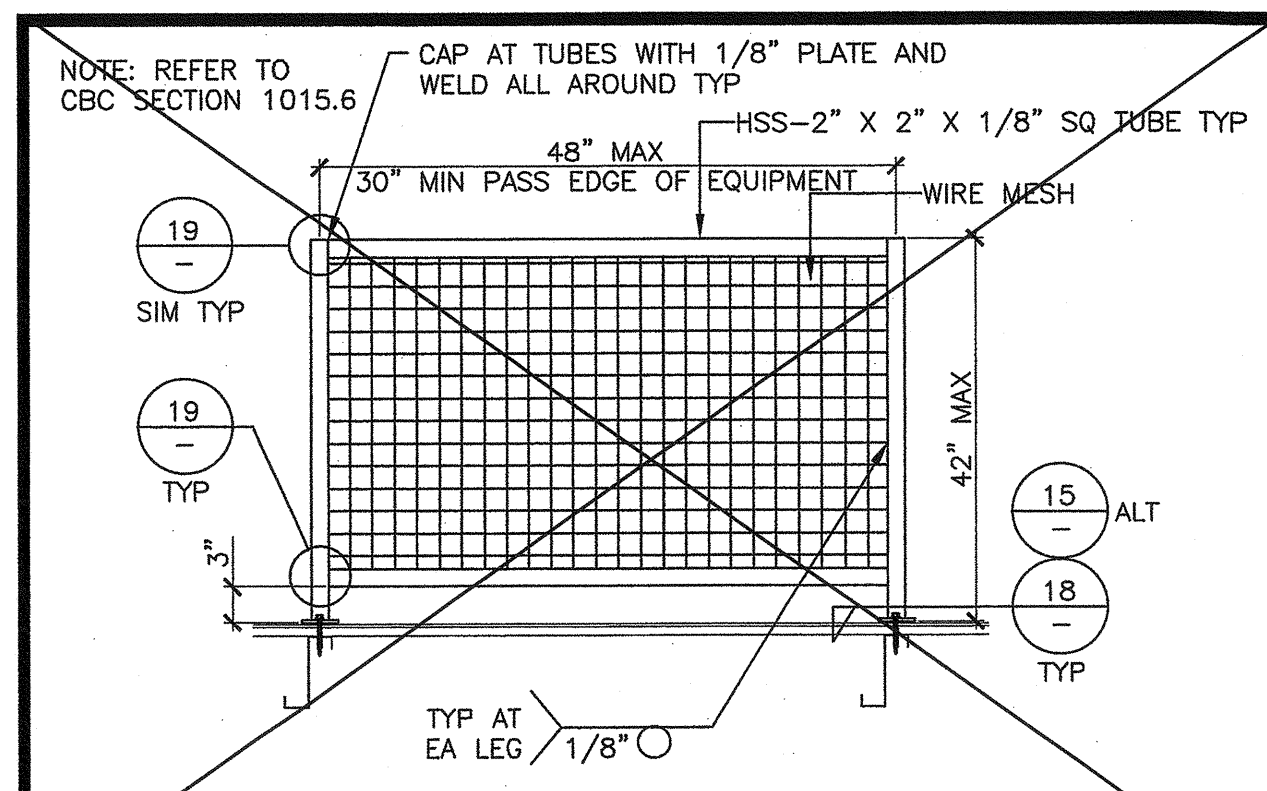
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PC 02-116677  
DATE DEC 14 2008

REVISIONS

PROJECT NO.: 00-0000  
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SCALE: AS NOTED  
DATE: 00-00-00  
SHEET NUMBER

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PROJECT SPECIFIC STATE AGENCY APPROVAL

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INCORPORATED

**AURORA MODTECH**  
DESIGNS

CONTRACTORS LICENSE #837357

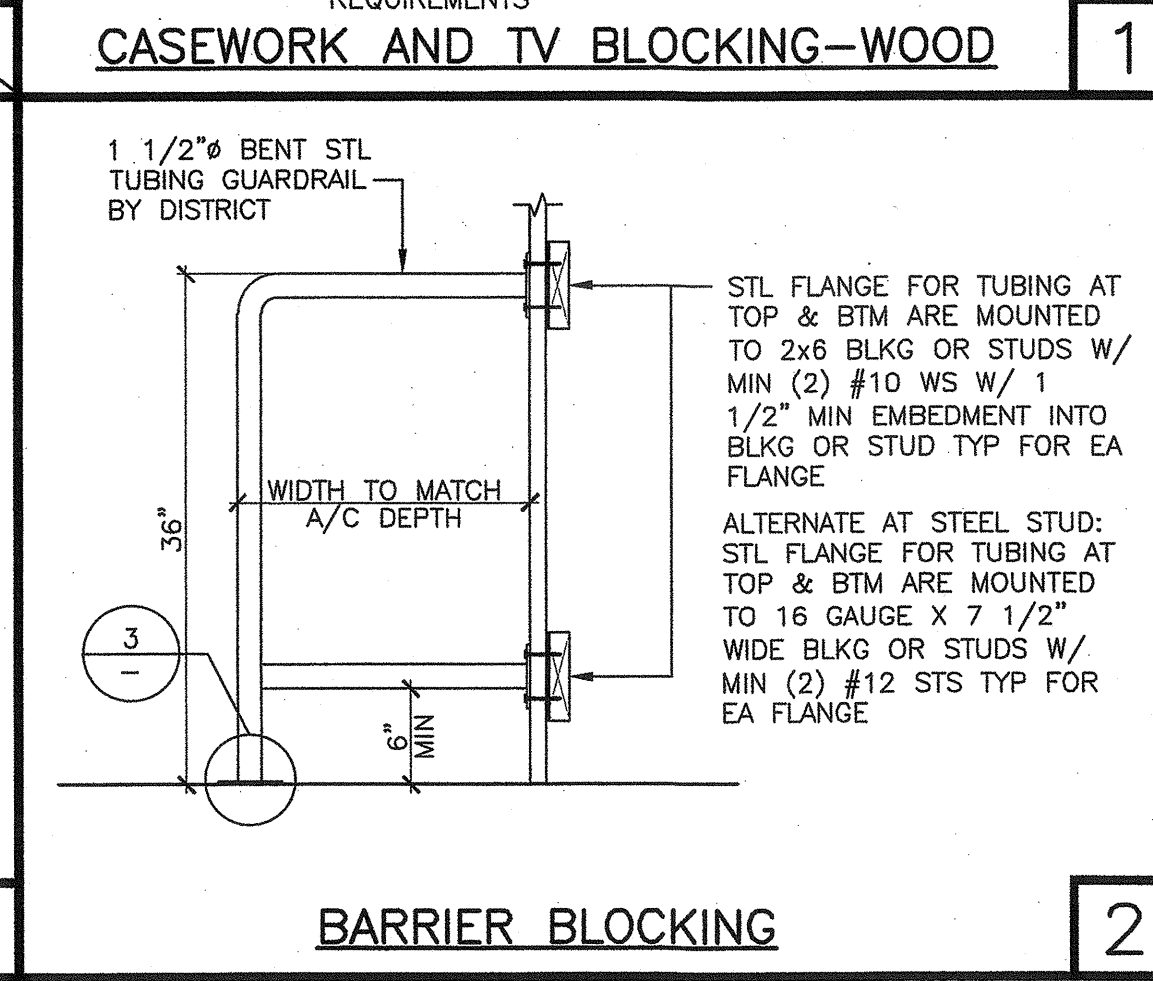
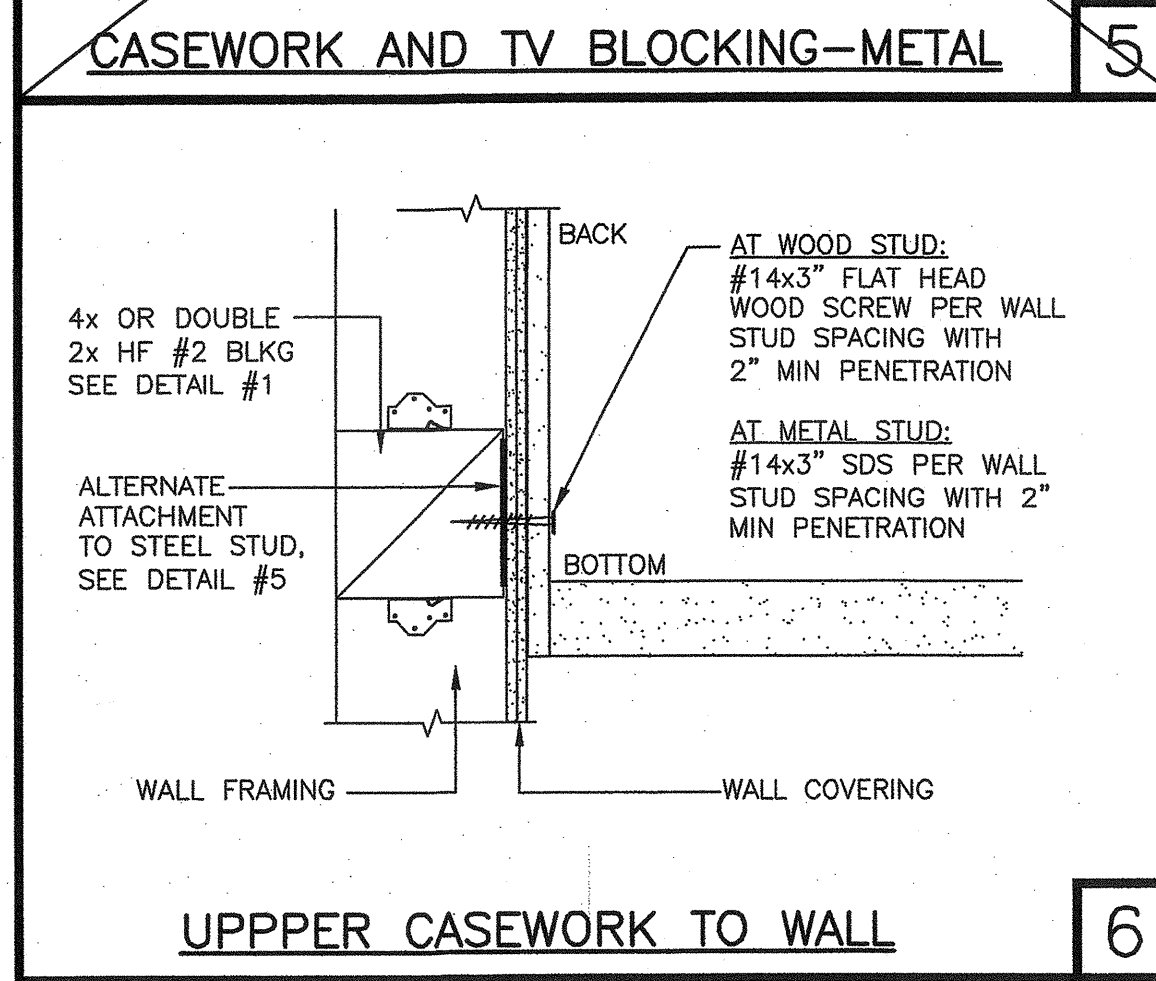
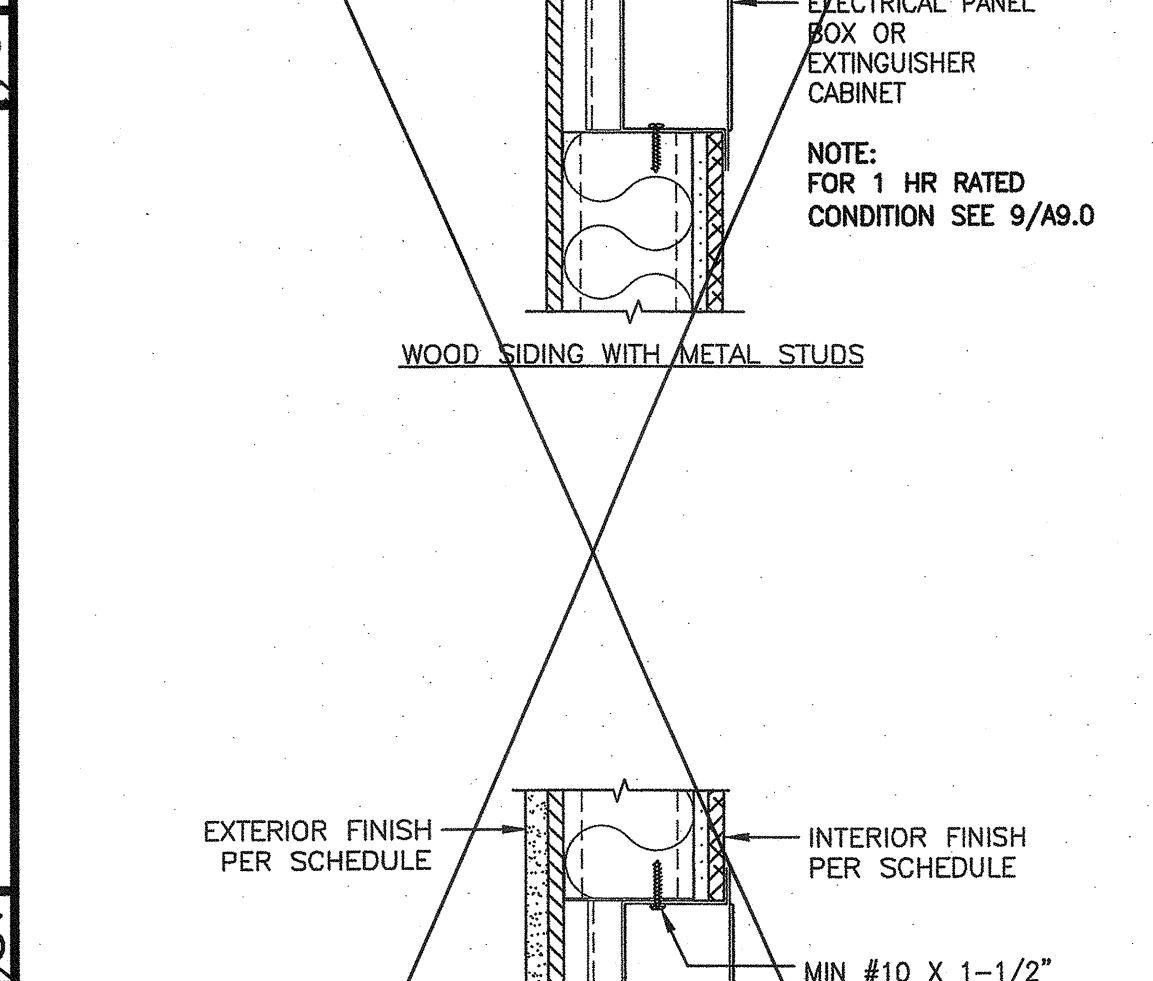
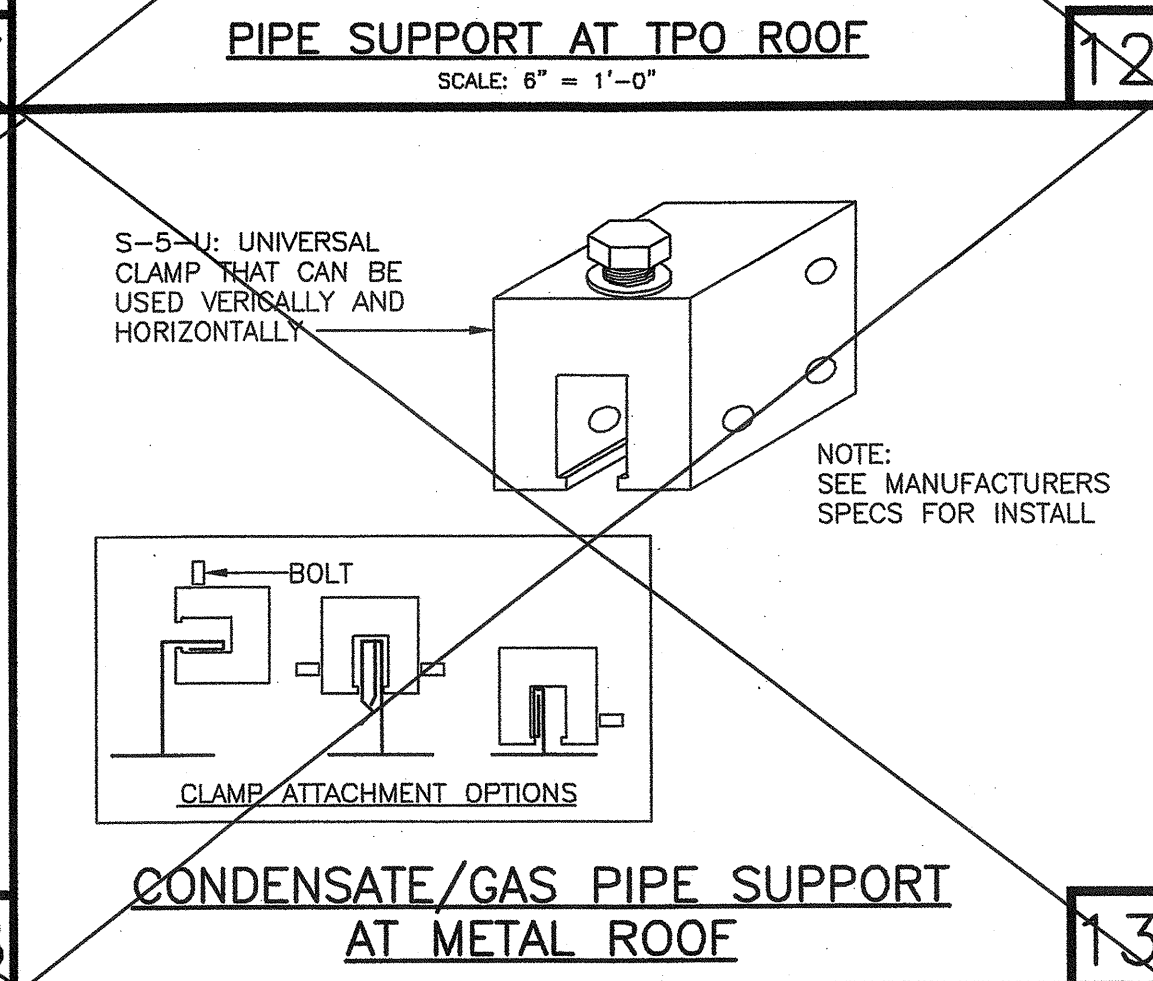
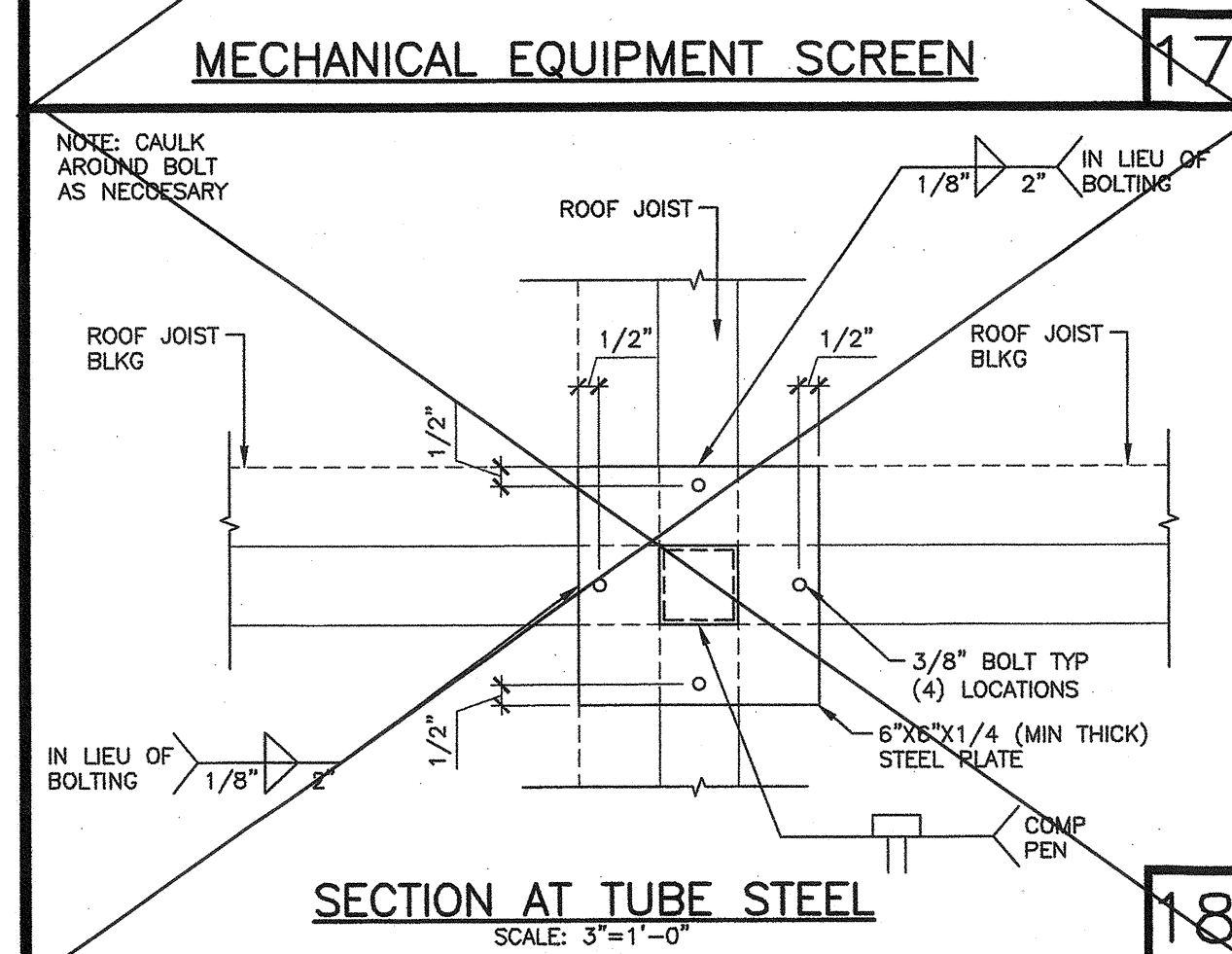
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PROJECT NAME:

SHEET TITLE:



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DIV. OF THE STATE ARCHITECT  
APPROX 1202880  
AC: FLS / SS  
DATE: 07-0-2008

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INCORPORATED

**AURORA MODTECH**  
DESIGNS

CONTRACTORS LICENSE #837357

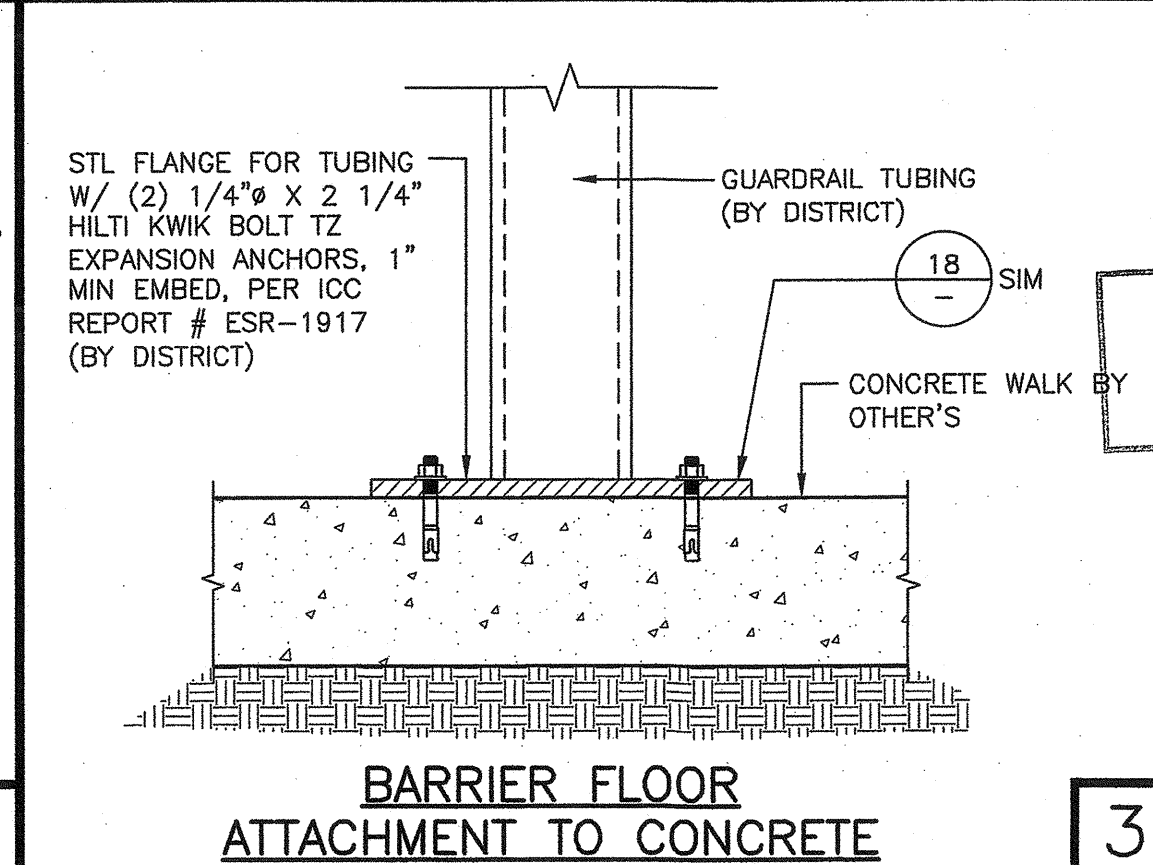
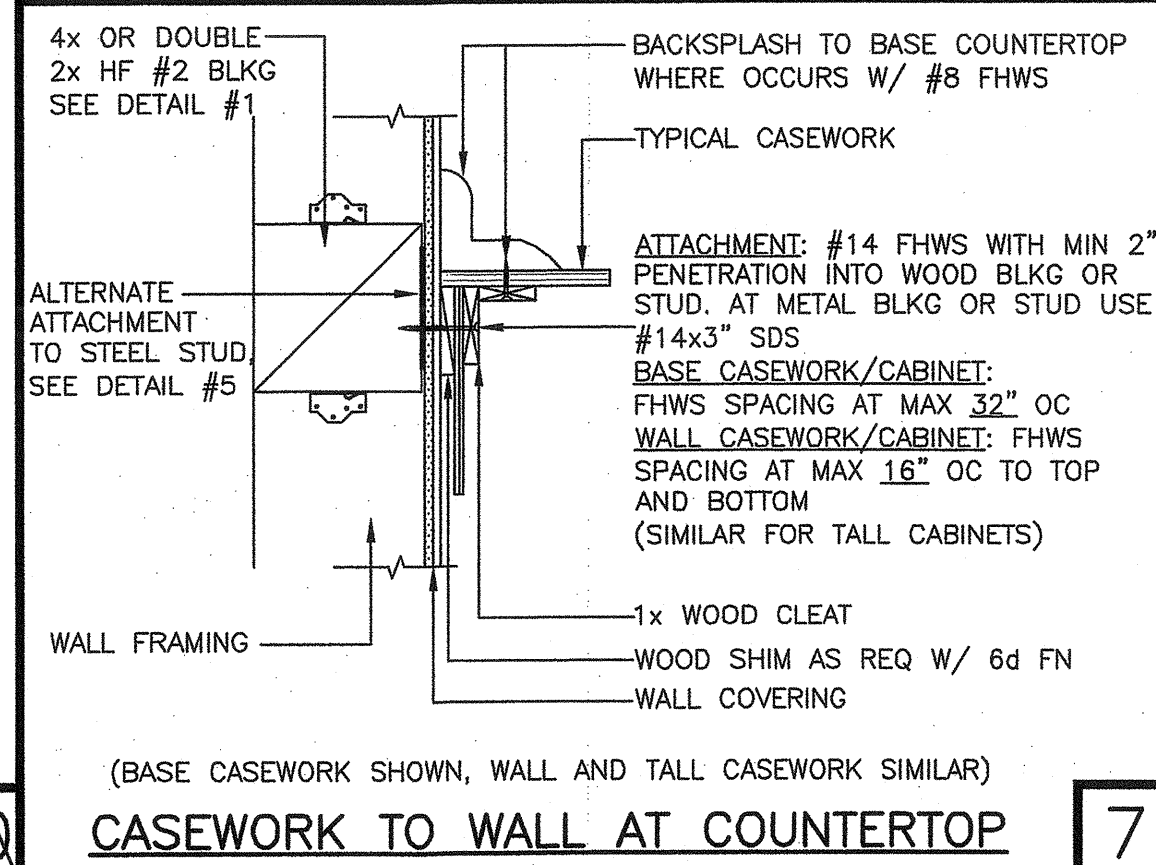
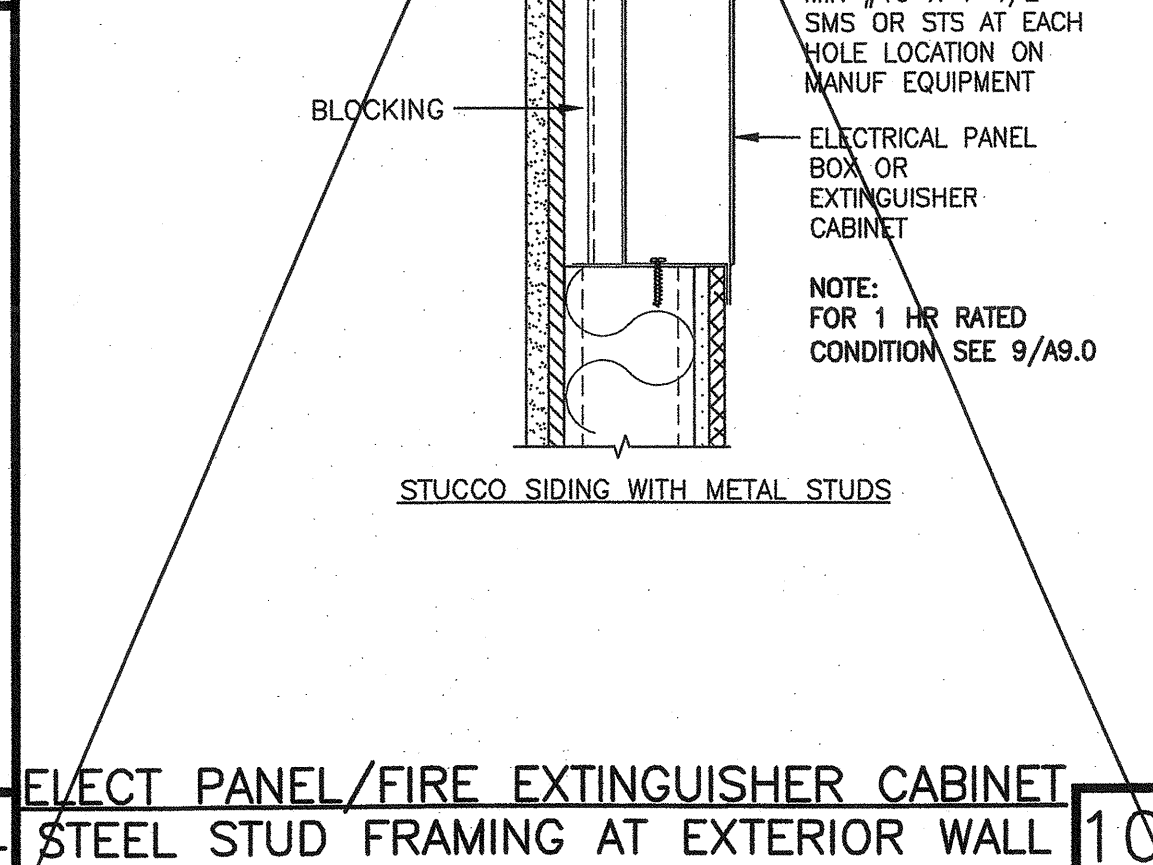
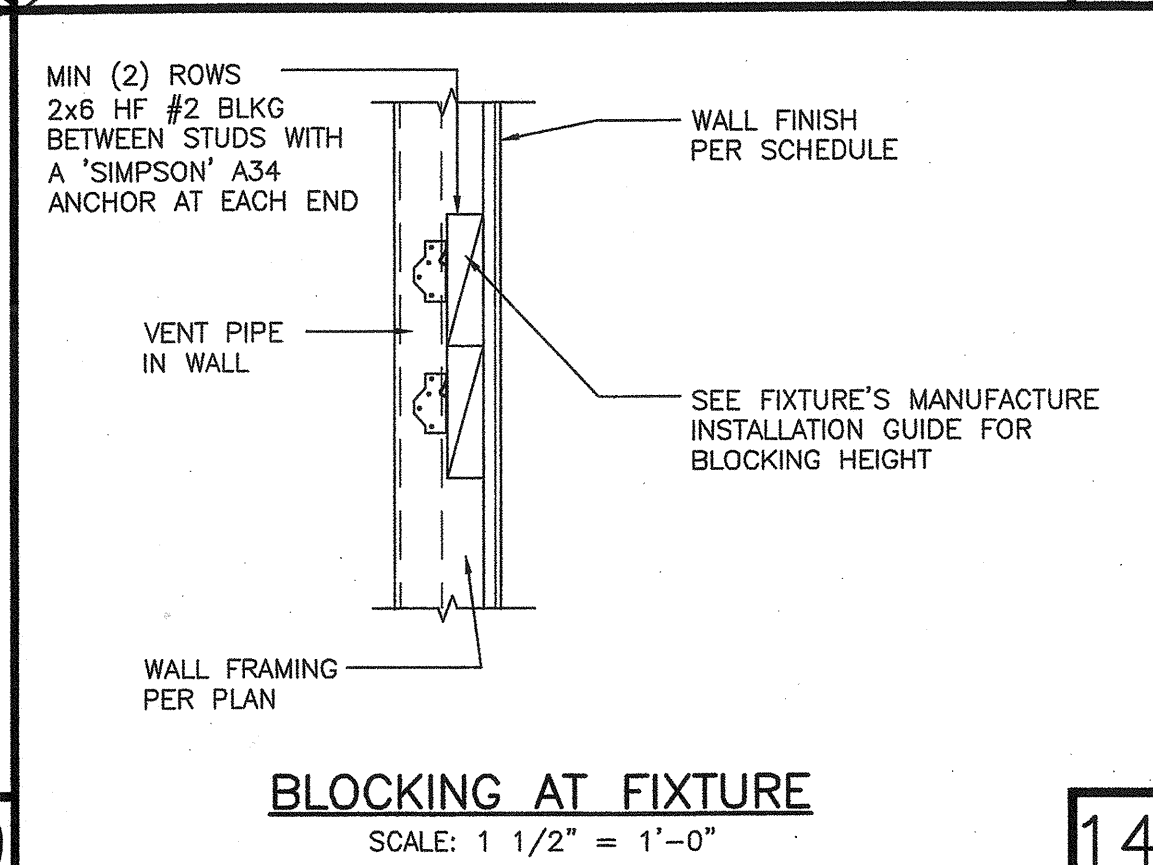
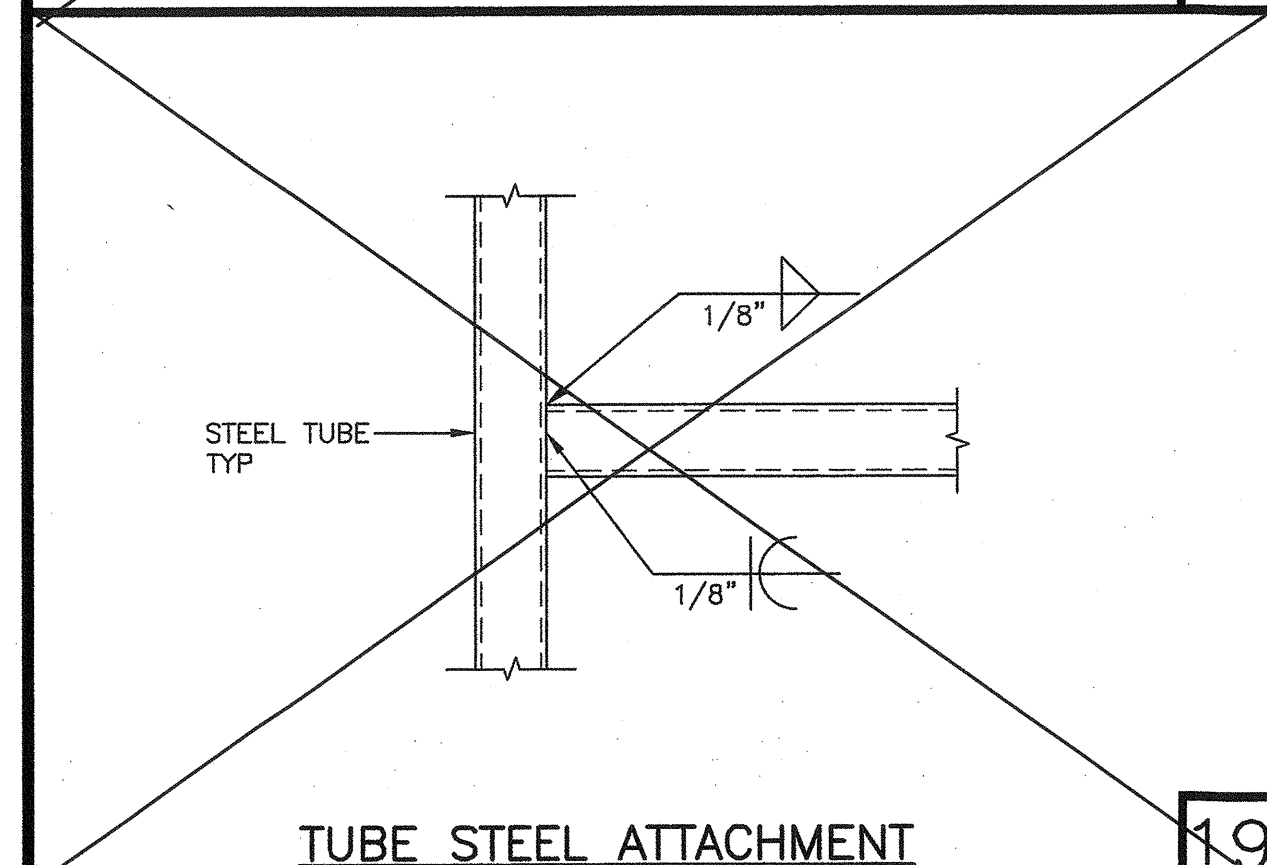
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1202 AIRPORT DRIVE  
CHOWCHILLA, CA 93610  
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PROJECT NAME:

SHEET TITLE:



PROJECT SPECIFIC STATE AGENCY APPROVAL

IDENTIFICATION STAMP  
DIV. OF THE STATE ARCHITECT  
APPROX 1202880  
AC: FLS / SS  
DATE: 07-0-2008

**GLOBAL MODULAR**  
INCORPORATED

**AURORA MODTECH**  
DESIGNS

CONTRACTORS LICENSE #837357

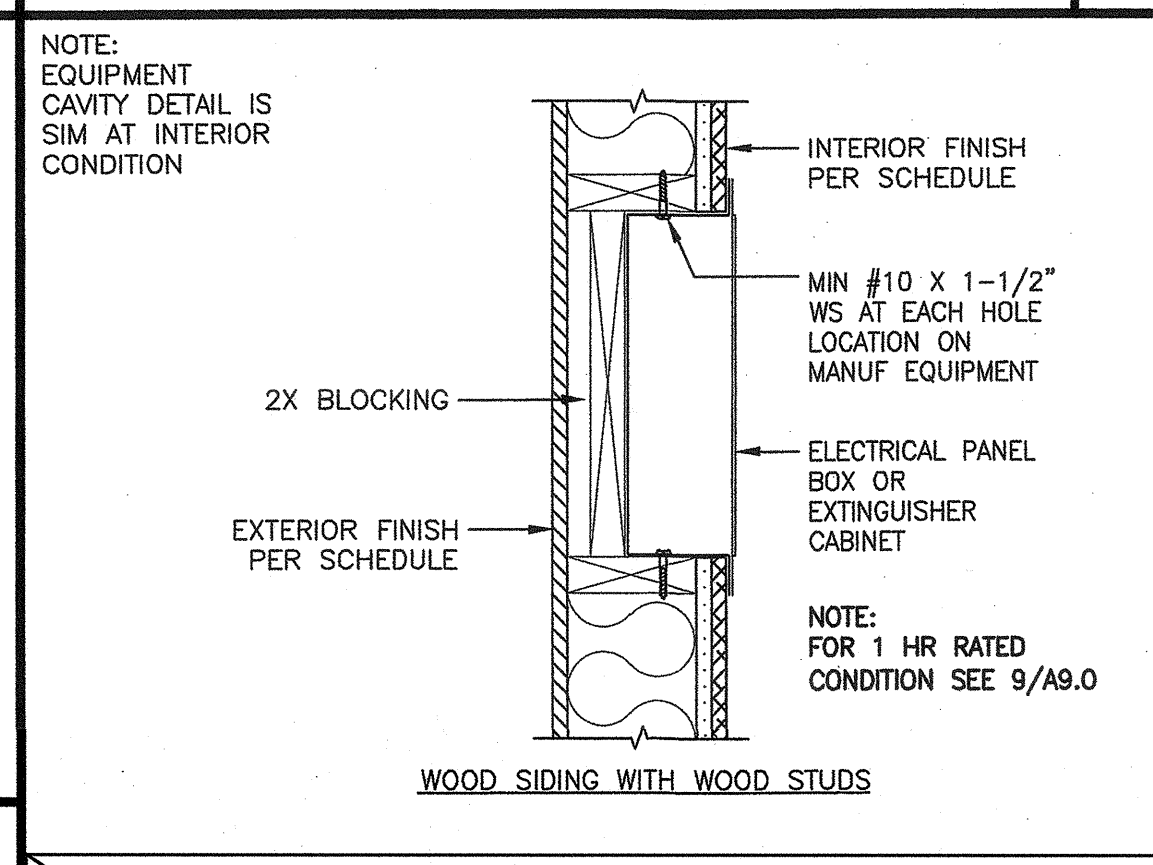
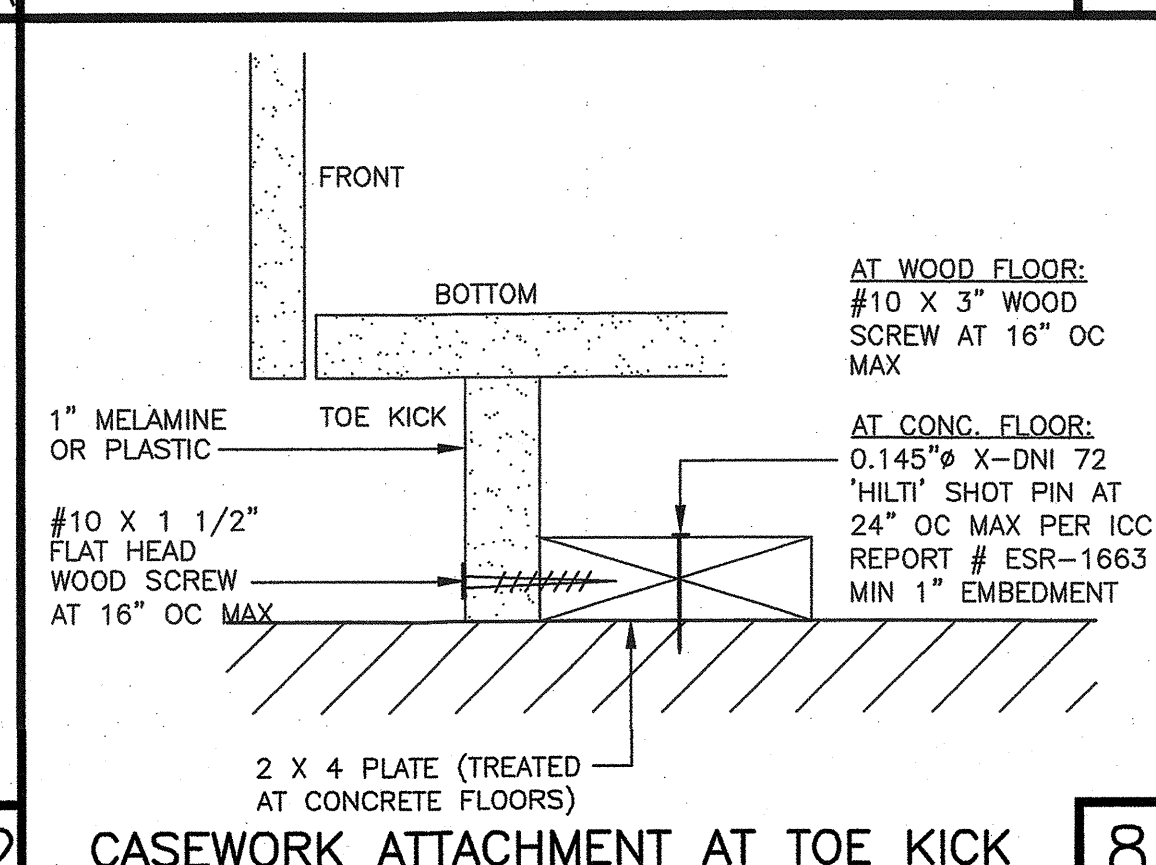
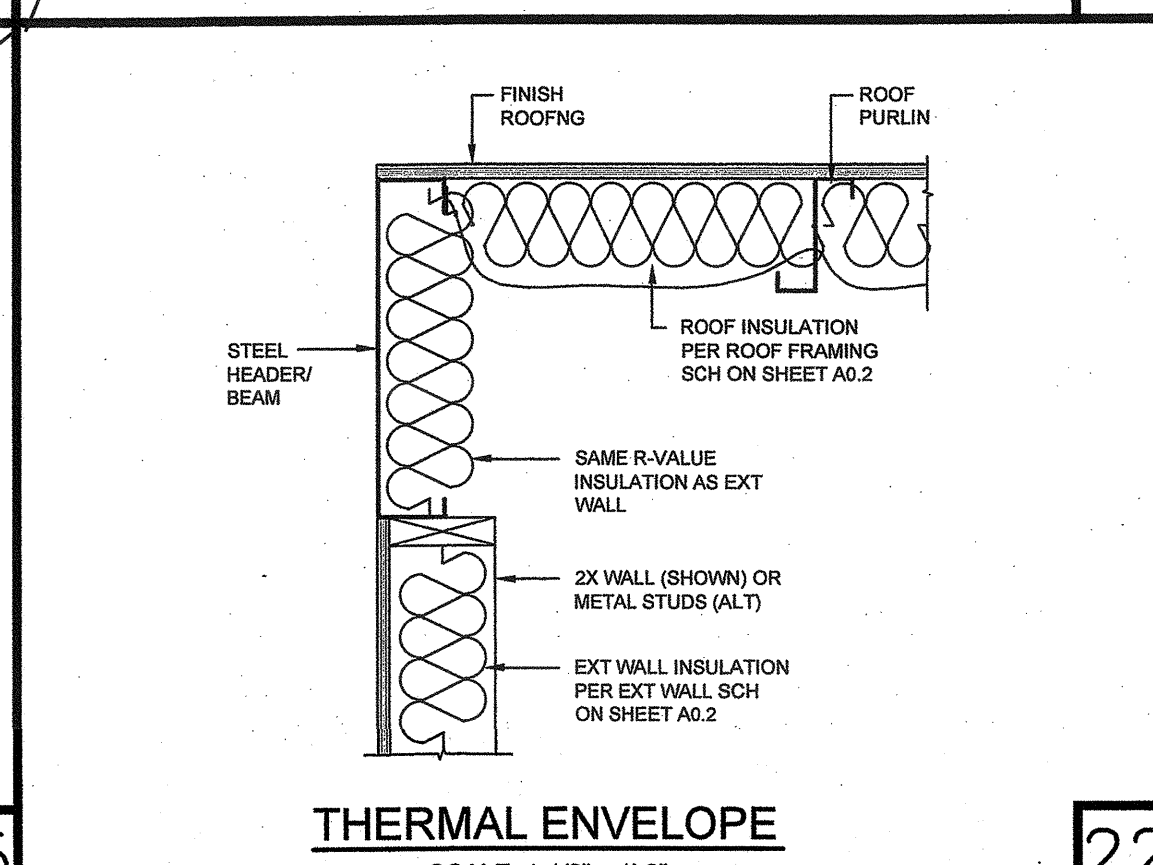
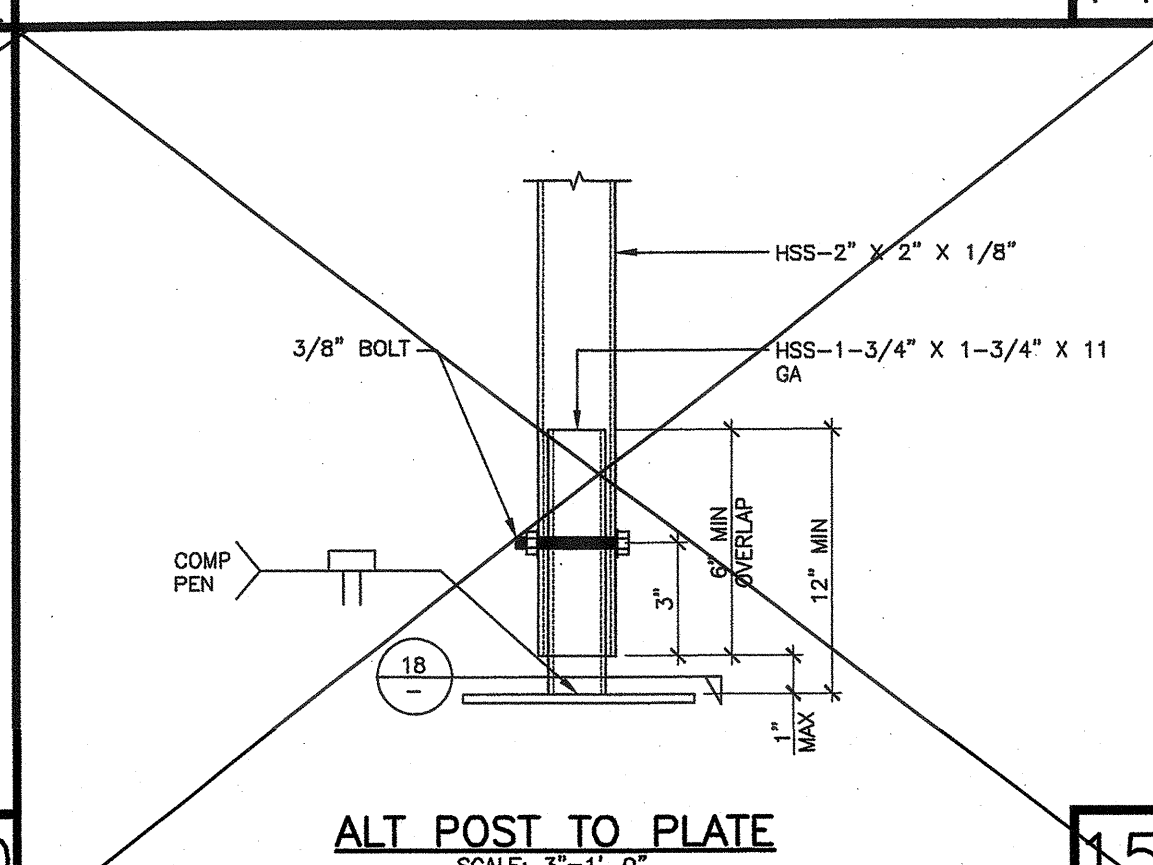
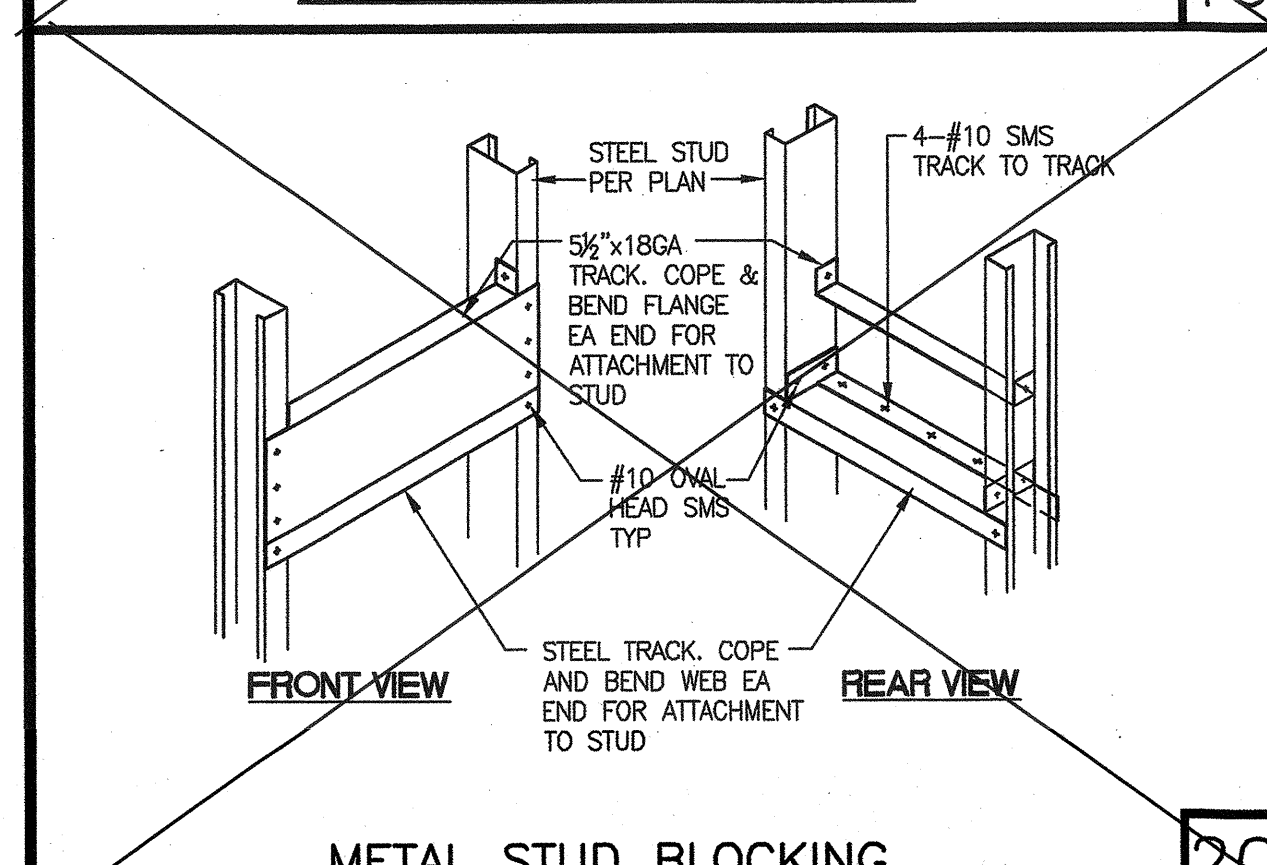
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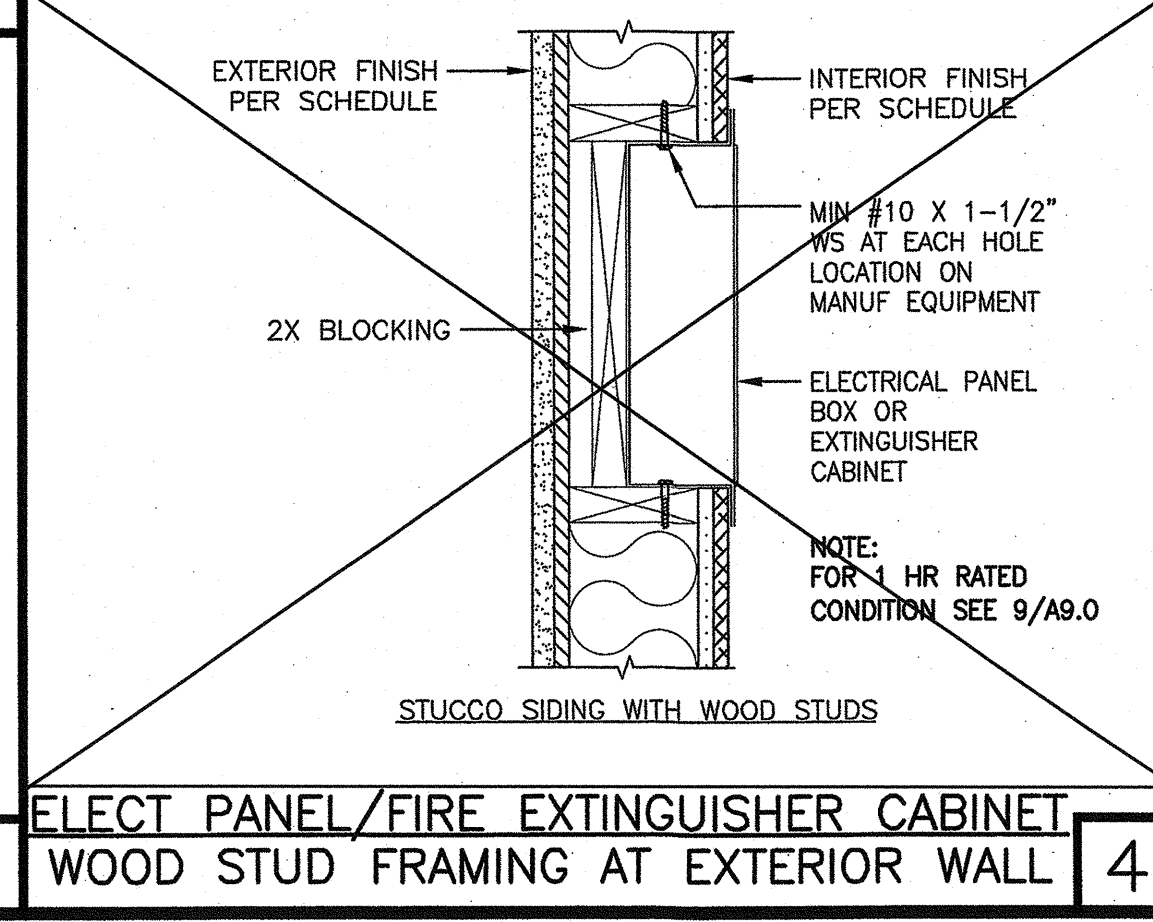
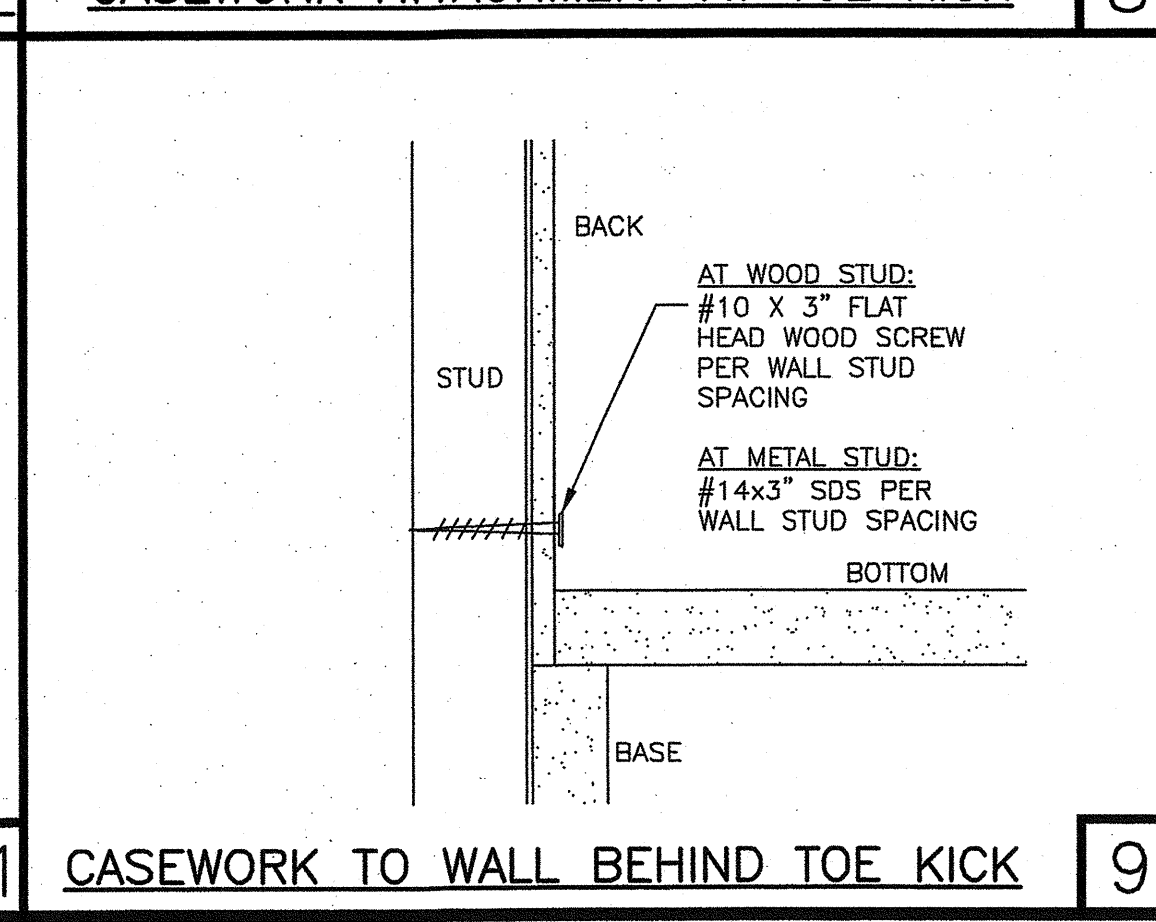
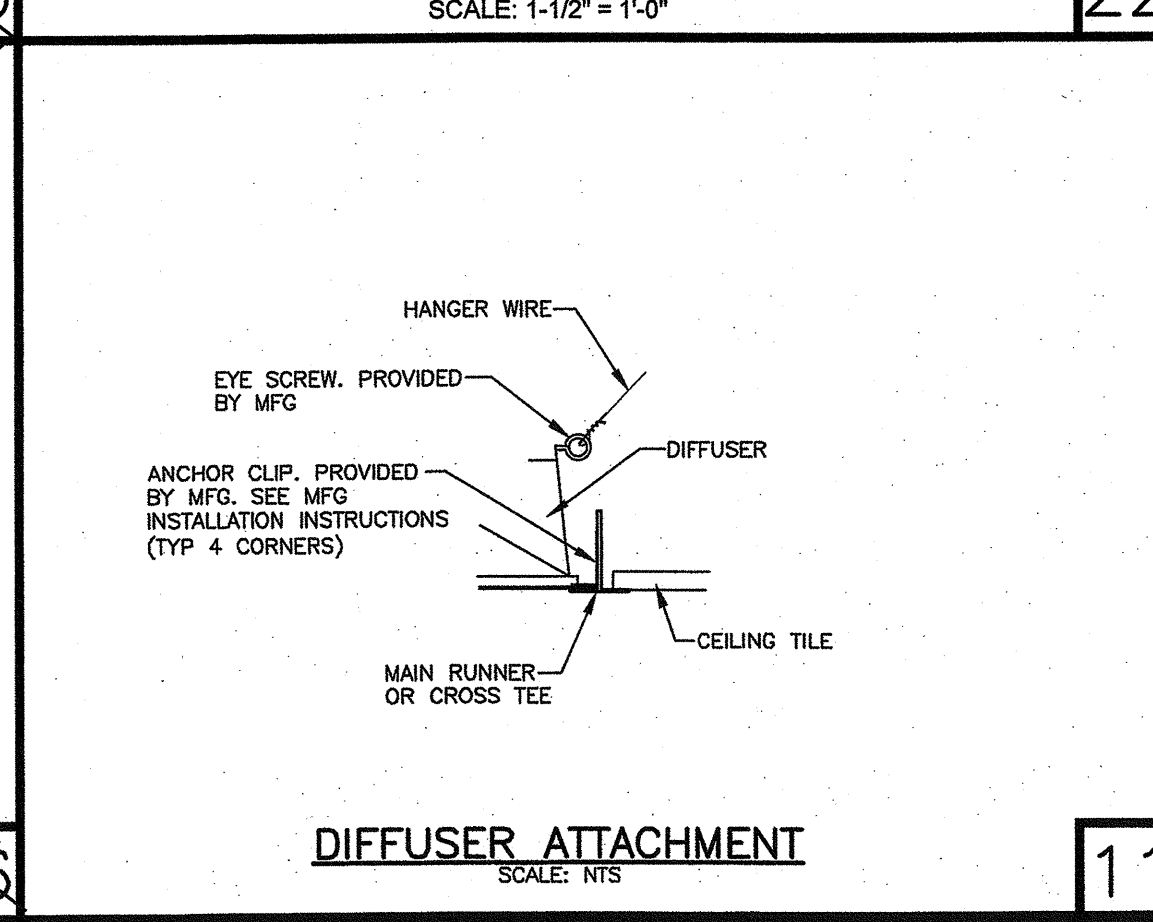
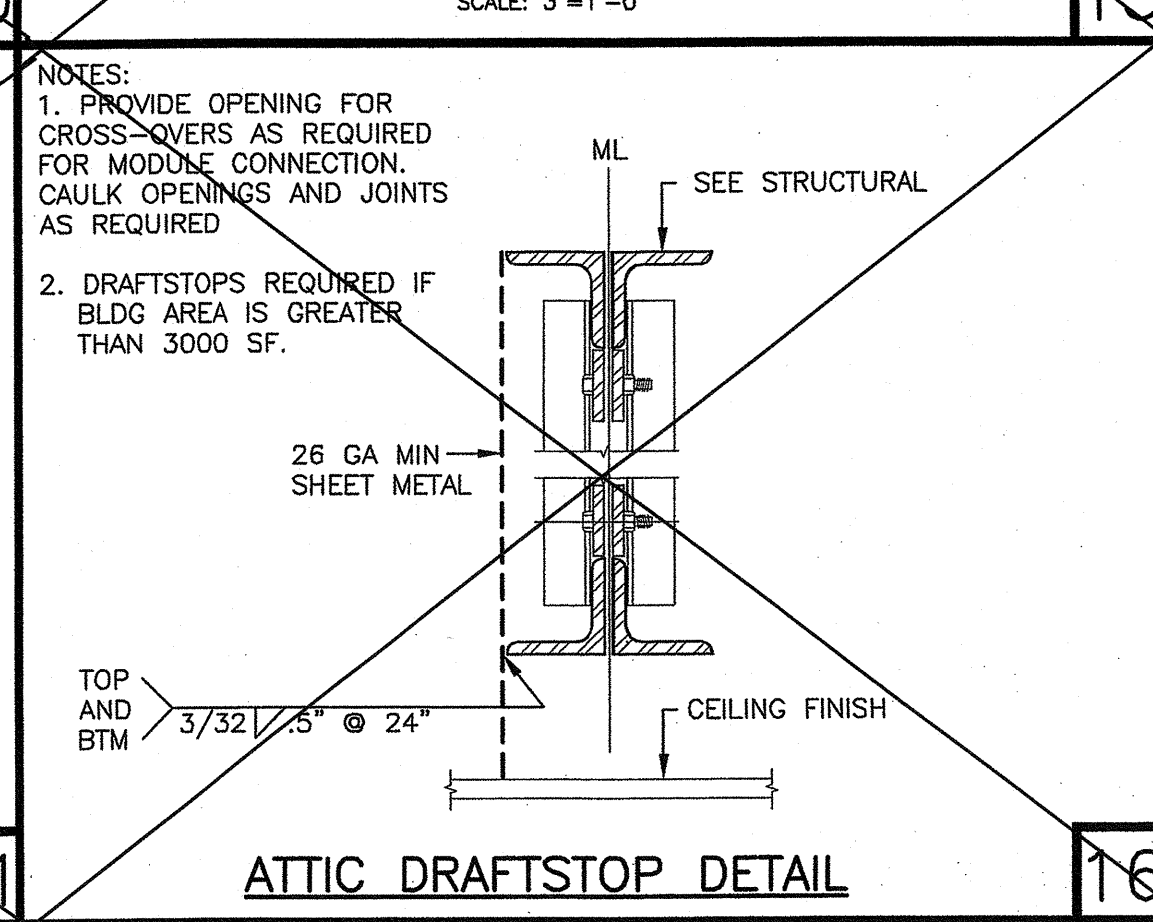
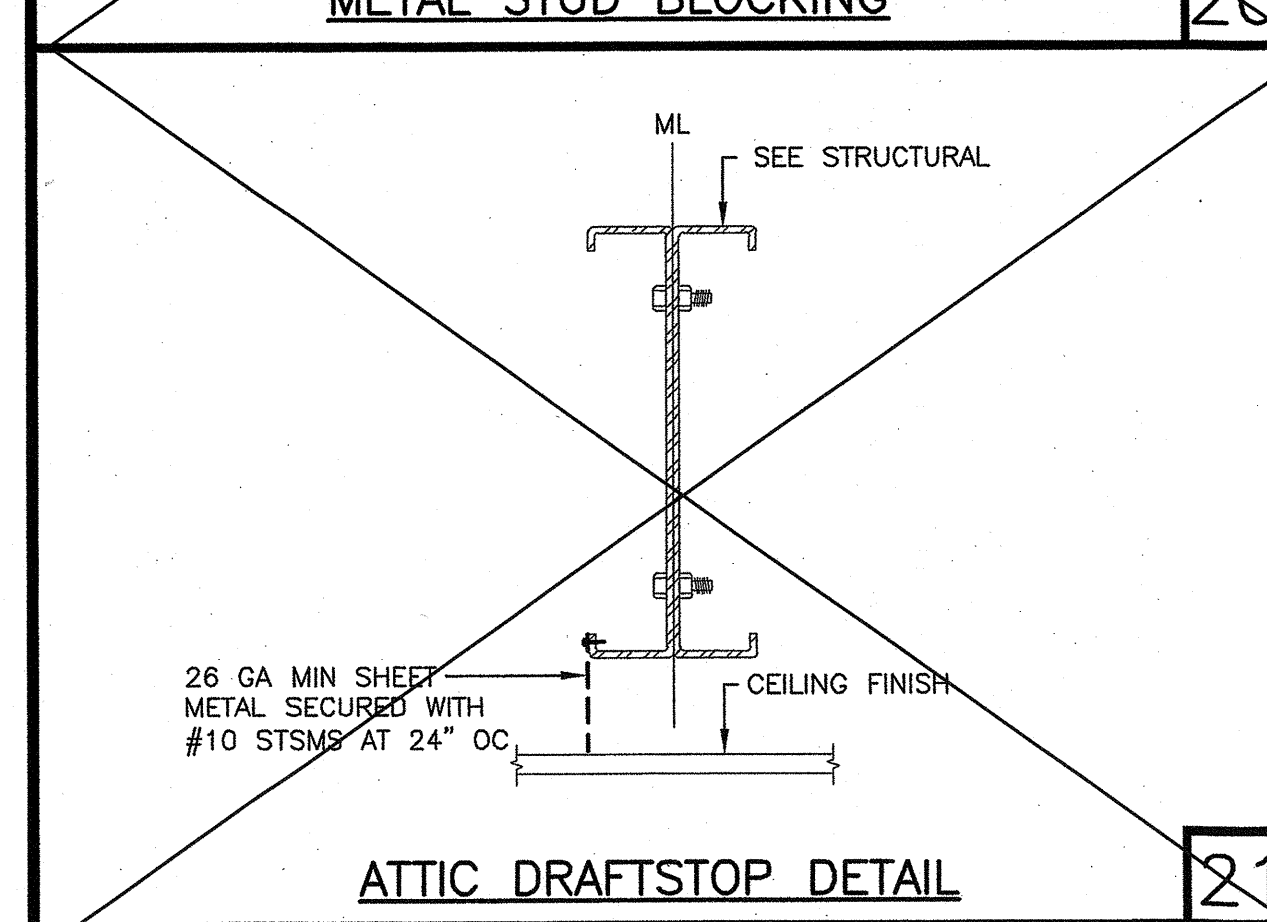
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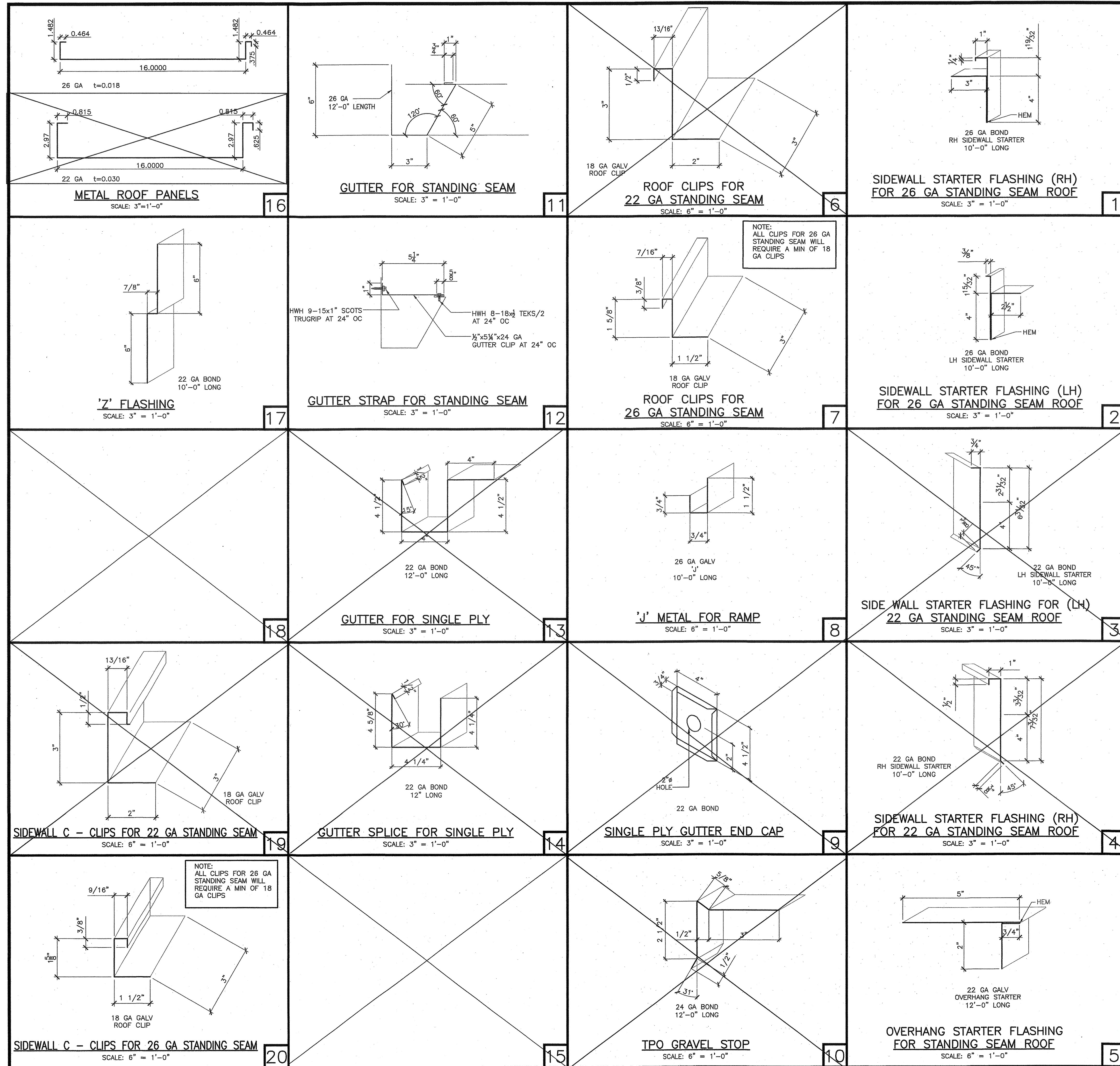
SHEET TITLE:

REVISIONS

PROJECT NO.: 00-0000  
DRAWN BY: 00  
SCALE: AS NOTED  
DATE: 00-00-00

SHEET NUMBER

# A8.1



**GENERAL NOTES**

- USE 1/8" BEND RADIUS AT EACH BEND
- THE DIMENSIONS SHOWN ARE SUBJECT TO CHANGE DUE TO CONSTRUCTION TOLERANCES AND OR SITE SPECIFIC CONDITIONS. IN NO WAY SHAPE OR FORM, THE GAUGE THICKNESS CAN NOT BE THINNER THAN SHOWN ON THE PLAN UNO

**ABBREVIATIONS**

BOND: BONDERIZED  
GA: GAUGE  
GALV: GALVANIZED  
ID: INSIDE DIMENSION  
LH: LEFT HAND  
MAX: MAXIMUM  
MIN: MINIMUM  
NTS: NOT TO SCALE  
RH: RIGHT HAND  
TPO: THERMOPLASTIC POLYOLEFINS

PROJECT SPECIFIC STATE AGENCY APPROVAL

**GLOBAL MODULAR**  
INCORPORATED

**AURORA MODTECH**  
DESIGNS

CONTRACTORS LICENSE #837357

NORTHERN CALIFORNIA DIVISION  
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PROJECT NAME:

SHEET TITLE:  
**SHEET METAL AND FLASHING DETAILS**

MFR. STRUCTURAL ENGINEER OF RECORD ON PC

**PROFESSIONAL SEAL**  
T. STINE  
No. 3802  
STRUCTURAL  
STATE OF CALIFORNIA

DATE SIGNED:  
DEC 11 2018

MFR. PROJECT SPECIFIC PROFESSIONAL OF RECORD

ARCHITECT OF RECORD

**LICENSED ARCHITECT**  
HAROLD L. HART  
C-38002  
06-30-2021  
RENEWAL DATE

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

IDENTIFICATION STAMP  
DIV. OF THE STATE ARCHITECT

PC 02-116677  
DATE: DEC 14 2018

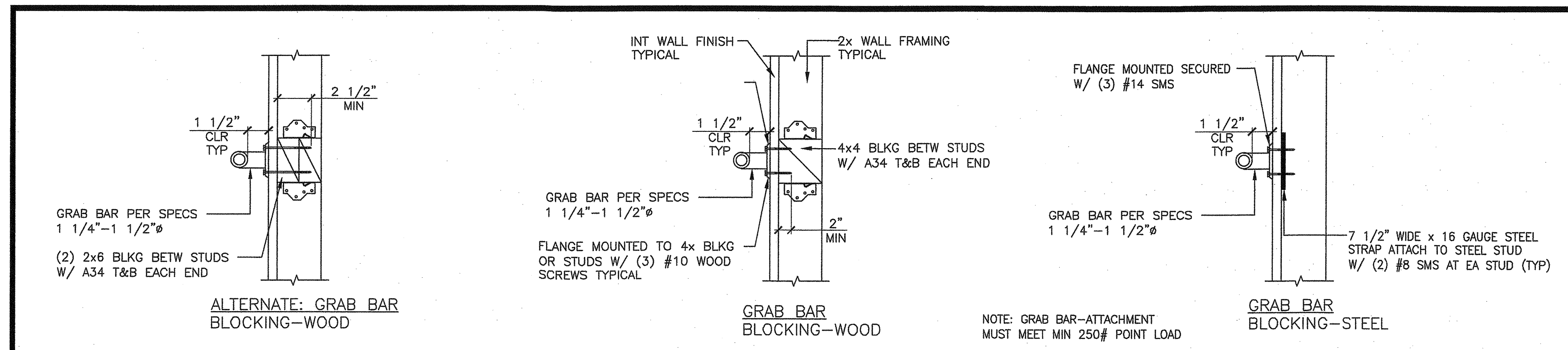
REVISIONS

PROJECT NO.: 00-0000  
DRAWN BY: 00  
SCALE: AS NOTED  
DATE: 00-00-00  
SHEET NUMBER

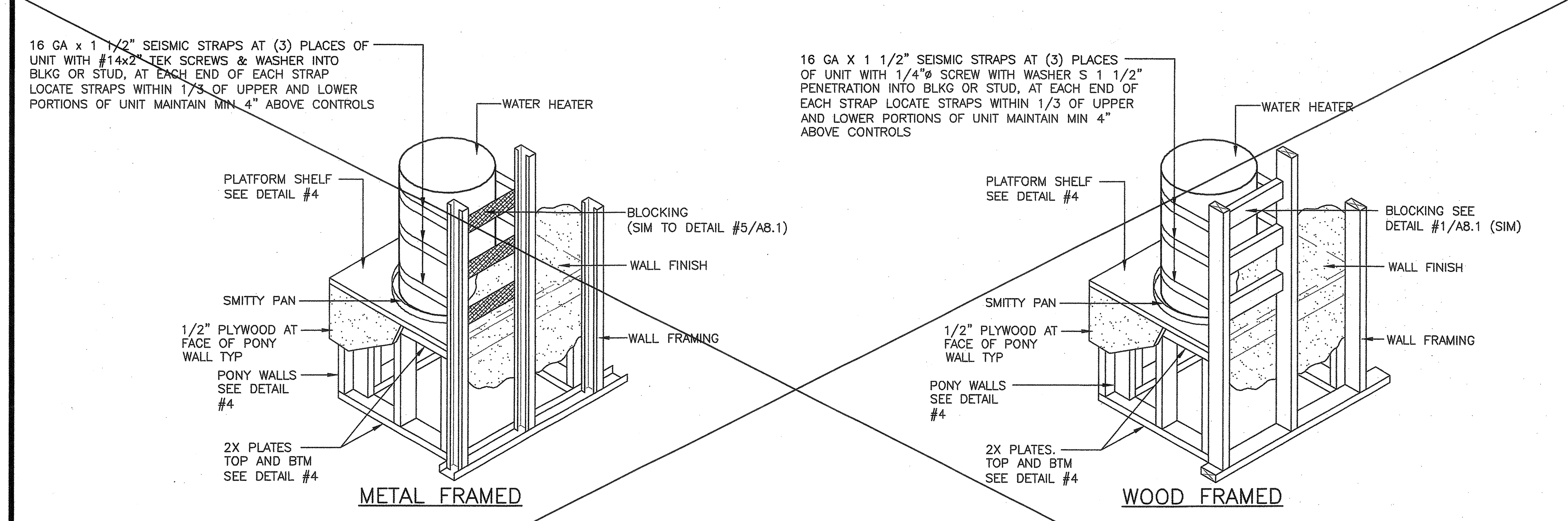
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DIV. OF THE STATE ARCHITECT

APPROVED: 120280  
DATE: OCT 03 2018

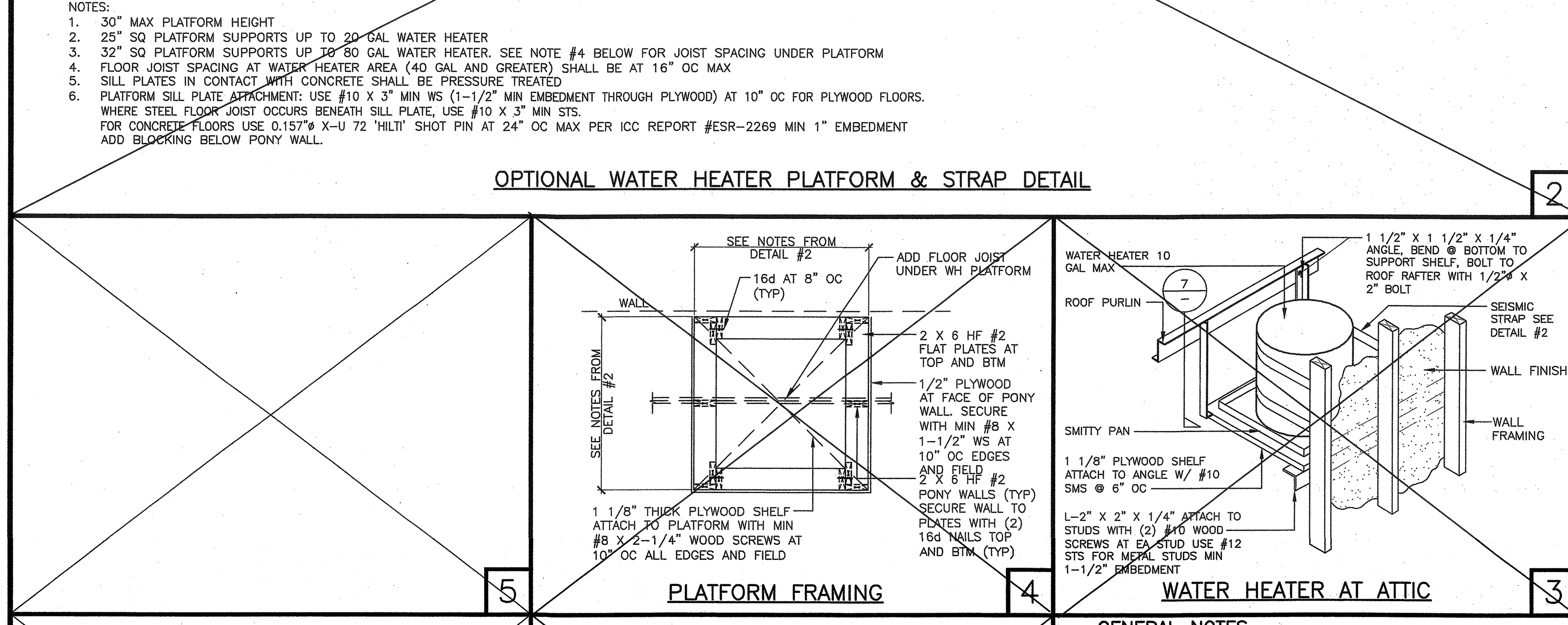
**A8.2**



GRAB BAR ATTACHMENT DETAILS

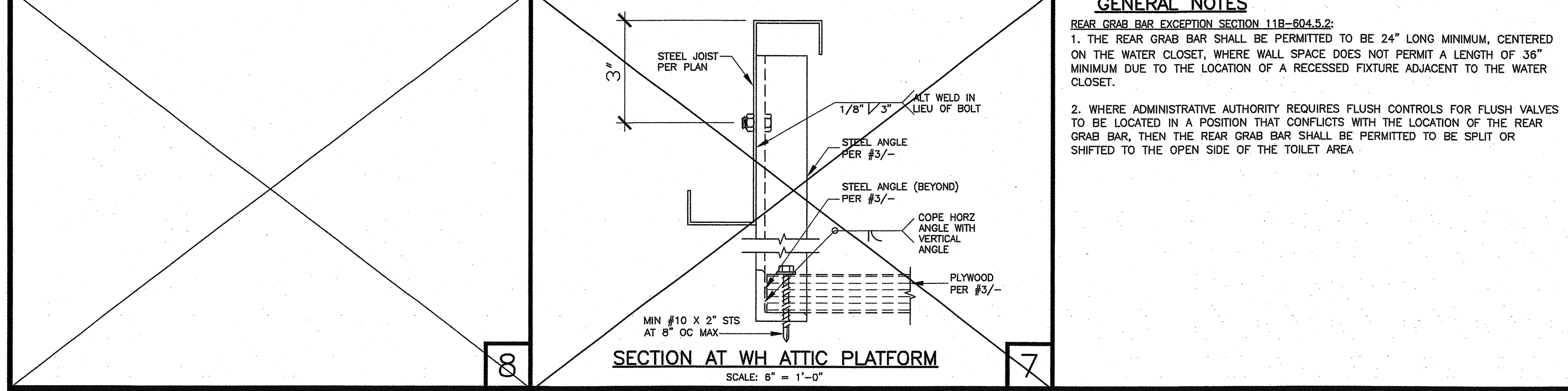


OPTIONAL WATER HEATER PLATFORM & STRAP DETAIL



PLATFORM FRAMING

WATER HEATER AT ATTIC



SECTION AT WH ATTIC PLATFORM

**GENERAL NOTES**  
 REAR GRAB BAR EXCEPTION SECTION 11B-604.2:  
 1. THE REAR GRAB BAR SHALL BE PERMITTED TO BE 24" LONG MINIMUM, CENTERED ON THE WATER CLOSET, WHERE WALL SPACE DOES NOT PERMIT A LENGTH OF 36" MINIMUM DUE TO THE LOCATION OF A RECESSED FIXTURE ADJACENT TO THE WATER CLOSET.  
 2. WHERE ADMINISTRATIVE AUTHORITY REQUIRES FLUSH CONTROLS FOR FLUSH VALVES TO BE LOCATED IN A POSITION THAT CONFLICTS WITH THE LOCATION OF THE REAR GRAB BAR, THEN THE REAR GRAB BAR SHALL BE PERMITTED TO BE SPLIT OR SHIFTED TO THE OPEN SIDE OF THE TOILET AREA.

TOILET ACCESSORIES		
REF. NUMBER	MODEL AND DESCRIPTION (**ALTERNATE/OPTIONAL)	LOCATION/HEIGHT
1	MULTI-ROLL RECESSED TOILET PAPER DISP AT ACCESSIBLE STALL, 'BOBRICK' B-3888 OR APPROVED EQUAL 3" MAX PROJ.	ADULT: SEE 1, 2 OR 3/A10.1 ELEMENTARY: AGES 9 THROUGH 12 SEE 6, 7 OR 8/A10.1
1a	RECESSED TOILET PAPER DISP AT ACCESSIBLE STALL, 'BOBRICK' B-667 OR APPROVED EQUAL 3" MAX PROJ.	ELEMENTARY: AGES 5 THROUGH 8 SEE 11 OR 12/A10.1 AGES 3 THROUGH 4 SEE 16 OR 17/A10.1
2	SINGLE ROLL TOILET PAPER DISP. SURFACE MOUNT AT NON-ACCESSIBLE STALL 'BOBRICK' B-264 OR APPROVED EQUAL.	ADULT: SEE 1, 2 OR 3/A10.1 ELEMENTARY: AGES 9 THROUGH 12 SEE 6, 7 OR 8/A10.1 AGES 5 THROUGH 8 SEE 11 OR 12/A10.1 AGES 3 THROUGH 4 SEE 16 OR 17/A10.1
3	MIRROR (18" x 36") 'BOBRICK' B-165, 1836 SERIES OR APPROVED EQUAL.	ADULT: SEE 5/A10.1 ELEMENTARY: AGES 9 THROUGH 12 SEE 10/A10.1 AGES 5 THROUGH 8 SEE 10/A10.1 AGES 3 THROUGH 4 SEE 10/A10.1
4	GRAB BAR (REAR) 'MAINLINE' ML8936, 36" SS FOR USE AT REAR GRAB BAR EXCEPTION 'MAINLINE' ML8924, 24" SS	ADULT: SEE 1, 2 OR 3/A10.0 ELEMENTARY: AGES 9 THROUGH 12 SEE 6, 7 OR 8/A10.1 AGES 5 THROUGH 8 SEE 11 OR 12/A10.1 AGES 3 THROUGH 4 SEE 16 OR 17/A10.1 EXCEPTION: SEE REAR GRAB BAR EXCEPTION ON GENERAL NOTES
5	GRAB BAR (SIDE) 'BOBRICK' ML8942, 42" SS	ADULT: SEE 1, 2 OR 3/A10.1 ELEMENTARY: AGES 9 THROUGH 12 SEE 6, 7 OR 8/A10.1 AGES 5 THROUGH 8 SEE 11 OR 12/A10.1 AGES 3 THROUGH 4 SEE 16 OR 17/A10.1
6	RESTROOM PARTITIONS 'WEIS/ROBART PARTITIONS, INC.' HDP SOLID 3/4" PHENOLIC COLORED BOARD SURFACE	ACCESSIBLE STALL HANDLE REFER TO GENERAL NOTE #3
7	TOILET SEAT COVER DISP. SURFACE MOUNT, 'BOBRICK' B-221 OR APPROVED EQUAL.	ADULT: SEE 1, 2 OR 3/A10.1 ELEMENTARY: AGES 9 THROUGH 12 SEE 6, 7 OR 8/A10.1 AGES 5 THROUGH 8 SEE 11 OR 12/A10.1 AGES 3 THROUGH 4 SEE 16 OR 17/A10.1
8	SOAP DISPENSER SURFACE MOUNT, 'BOBRICK' B-2111 OR APPROVED EQUAL.	ADULT: SEE 5/A10.1 ELEMENTARY: AGES 9 THROUGH 12 SEE 10/A10.1 AGES 5 THROUGH 8 SEE 10/A10.1 AGES 3 THROUGH 4 SEE 10/A10.1
9	PAPER TOWEL DISPENSER 'BOBRICK' B-262 OR APPROVED EQUAL, SURFACE MOUNT, 4" MAX PROJ.	ADULT: SEE 5/A10.1 ELEMENTARY: AGES 9 THROUGH 12 SEE 10/A10.1 AGES 5 THROUGH 8 SEE 10/A10.1 AGES 3 THROUGH 4 SEE 10/A10.1
10	MOVABLE WASTE BIN 12" W MIN	ADULT: SEE 5/A10.1 ELEMENTARY: AGES 9 THROUGH 12 SEE 10/A10.1 AGES 5 THROUGH 8 SEE 10/A10.1 AGES 3 THROUGH 4 SEE 10/A10.1
11	PAPER TOWEL AND WASTE DISPENSER COMBO 'BOBRICK' B-369 OR APPROVED EQUAL, RECESSED.	ADULT: ACCESSIBLE MOUNT AT +40" MAX & 15" MIN AFF FROM TOP OF OPERATIONAL PARTS. ELEMENTARY: AGES 9 THROUGH 12 ACCESSIBLE MOUNT AT +40" MAX & 15" MIN AFF FROM TOP OF OPERATIONAL PARTS. AGES 5 THROUGH 8 ACCESSIBLE MOUNT AT +40" MAX & 15" MIN AFF FROM TOP OF OPERATIONAL PARTS. AGES 3 THROUGH 4 ACCESSIBLE MOUNT AT +40" MAX & 15" MIN AFF FROM TOP OF OPERATIONAL PARTS.
12	DUAL SPEED MULTI-ROLL TOILET TISSUE PARTITION MOUNT DISPENSER 'BOBRICK' B-386 OR APPROVED EQUAL, 3" MAX PROJ. AT SEMI-AMBULATORY STALLS (WHEN IN-USE) SERVES TWO TOILET STALLS	ADULT: ACCESSIBLE MOUNT AT +40" MAX & 15" MIN AFF FROM TOP OF OPERATIONAL PARTS. ELEMENTARY: AGES 9 THROUGH 12 ACCESSIBLE MOUNT AT +40" MAX & 15" MIN AFF FROM TOP OF OPERATIONAL PARTS. AGES 5 THROUGH 8 ACCESSIBLE MOUNT AT +40" MAX & 15" MIN AFF FROM TOP OF OPERATIONAL PARTS. AGES 3 THROUGH 4 ACCESSIBLE MOUNT AT +40" MAX & 15" MIN AFF FROM TOP OF OPERATIONAL PARTS.

SEE PROJECT SPECIFIC

PROJECT SPECIFIC STATE AGENCY APPROVAL

**GLOBAL MODULAR**  
 Incorporated  
**AURORA MODTECH**  
 MODULAR STRUCTURES INTERNATIONAL, INC.  
 CONTRACTORS LICENSE #837357

NORTHERN CALIFORNIA DIVISION  
 1200 AIRPORT DRIVE  
 CHOWCHILLA, CA 93510  
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PROJECT NAME:

SHEET TITLE:  
**RESTROOM ACCESSORIES SCHEDULE & DETAILS**

MFR. STRUCTURAL ENGINEER OF RECORD ON PC

DATE SIGNED  
 DEC 11 2018

MFR. PROJECT SPECIFIC PROFESSIONAL OF RECORD

ARCHITECT OF RECORD  
**INGRESS ARCHITECT**  
 HAROLD L. HART  
 C-38002  
 06-30-2021  
 RENEWAL DATE

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

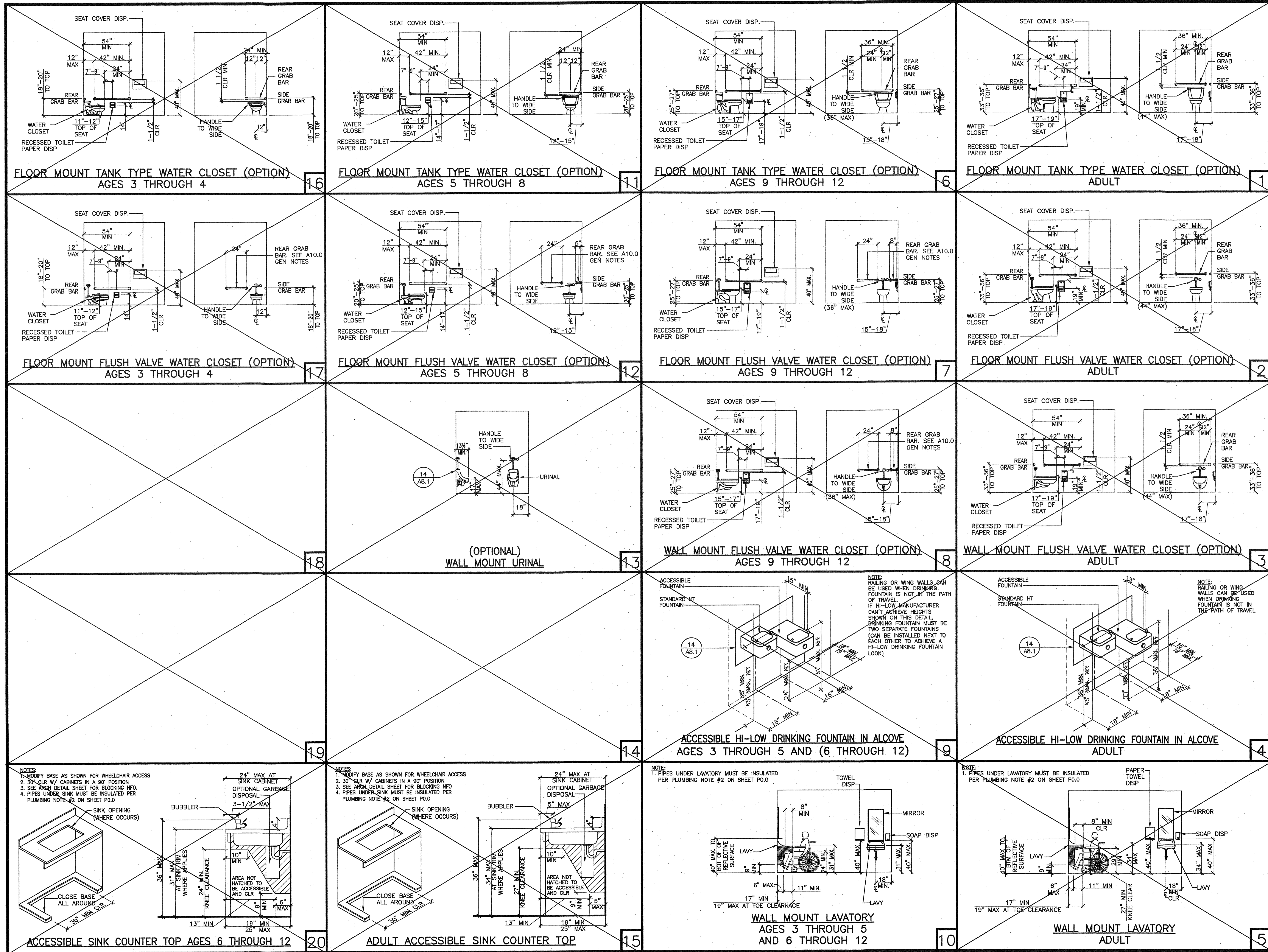
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 DIV. OF THE STATE ARCHITECT  
**PC 02-116677**  
 AC: [Signature]  
 DATE: DEC 14 2018

REVISIONS  
 1 - PC REVISIONS 01-21-16

PROJECT NO.: 00-0000  
 DRAWN BY: 00  
 SCALE: AS NOTED  
 DATE: 00-00-00  
 SHEET NUMBER

**A10.0**

IDENTIFICATION STAMP  
 DIV. OF THE STATE ARCHITECT  
**APPROX 120980**  
 AC: [Signature]  
 DATE: OCT 0 3 2018



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AC: FLS SS  
DATE: OCT 3 2018

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**AURORA MODTECH**  
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CONTRACTORS LICENSE #837357

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ARCHITECT OF RECORD

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C-38002  
06-30-2021  
RENEWAL DATE

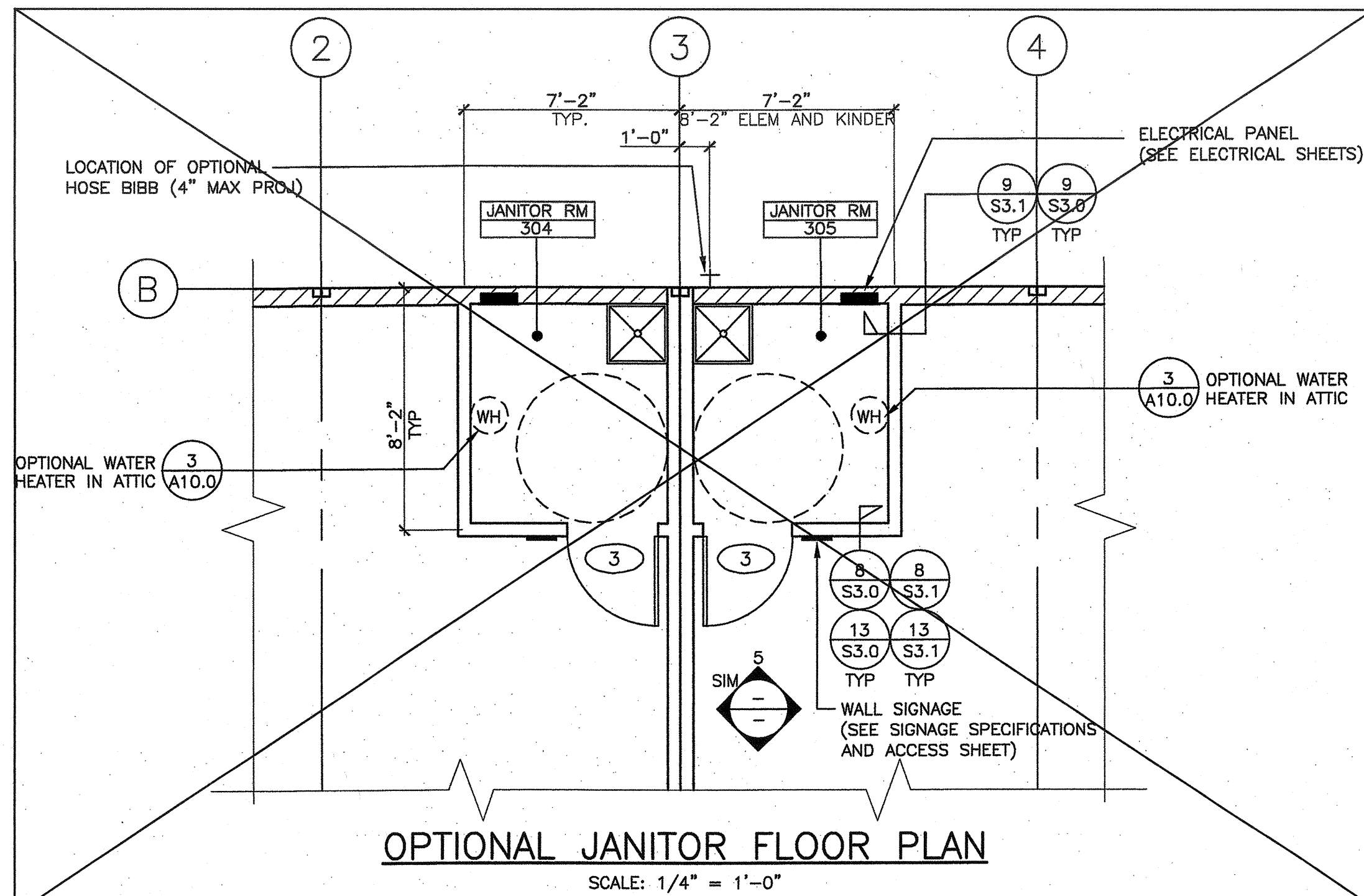
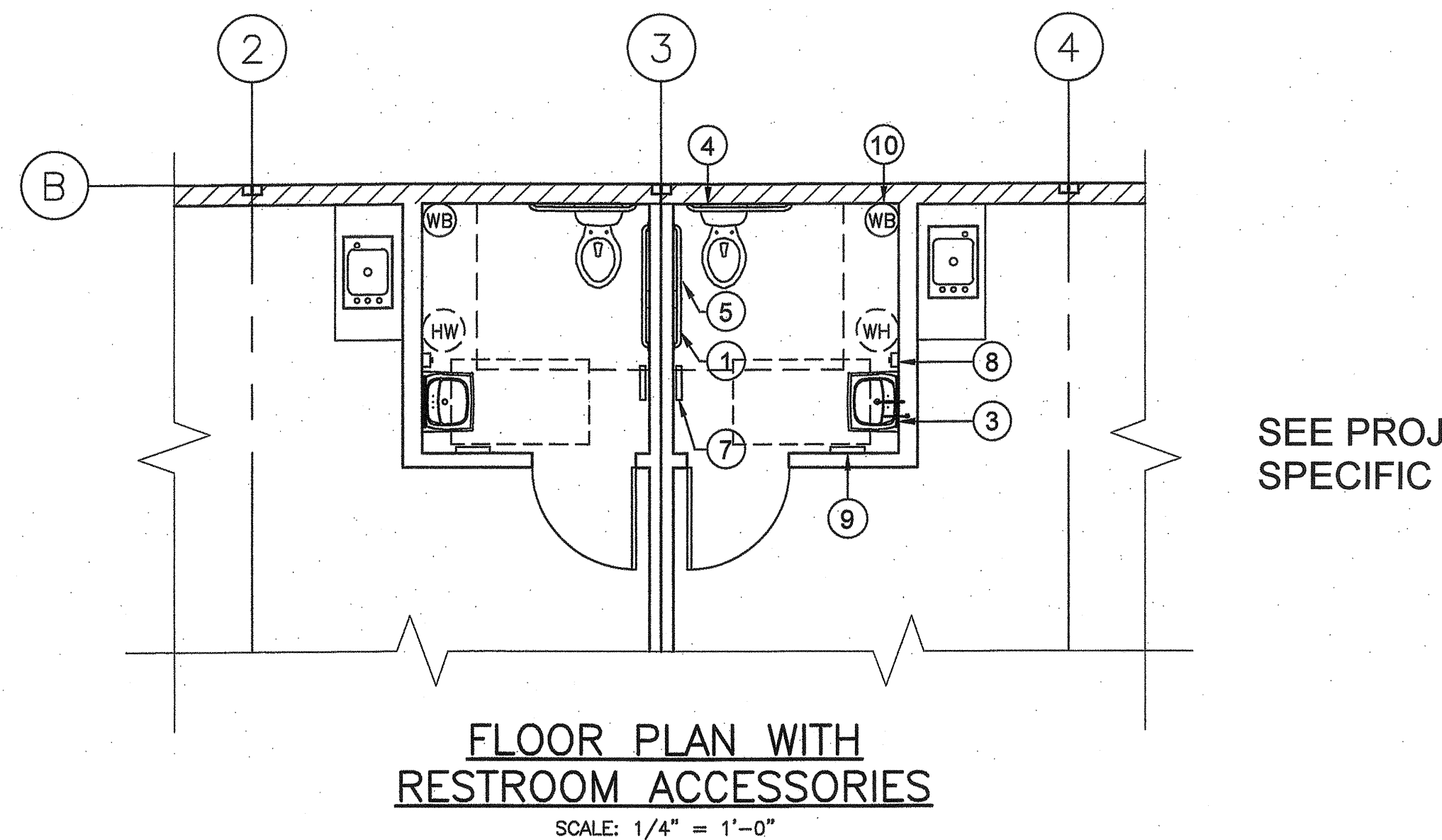
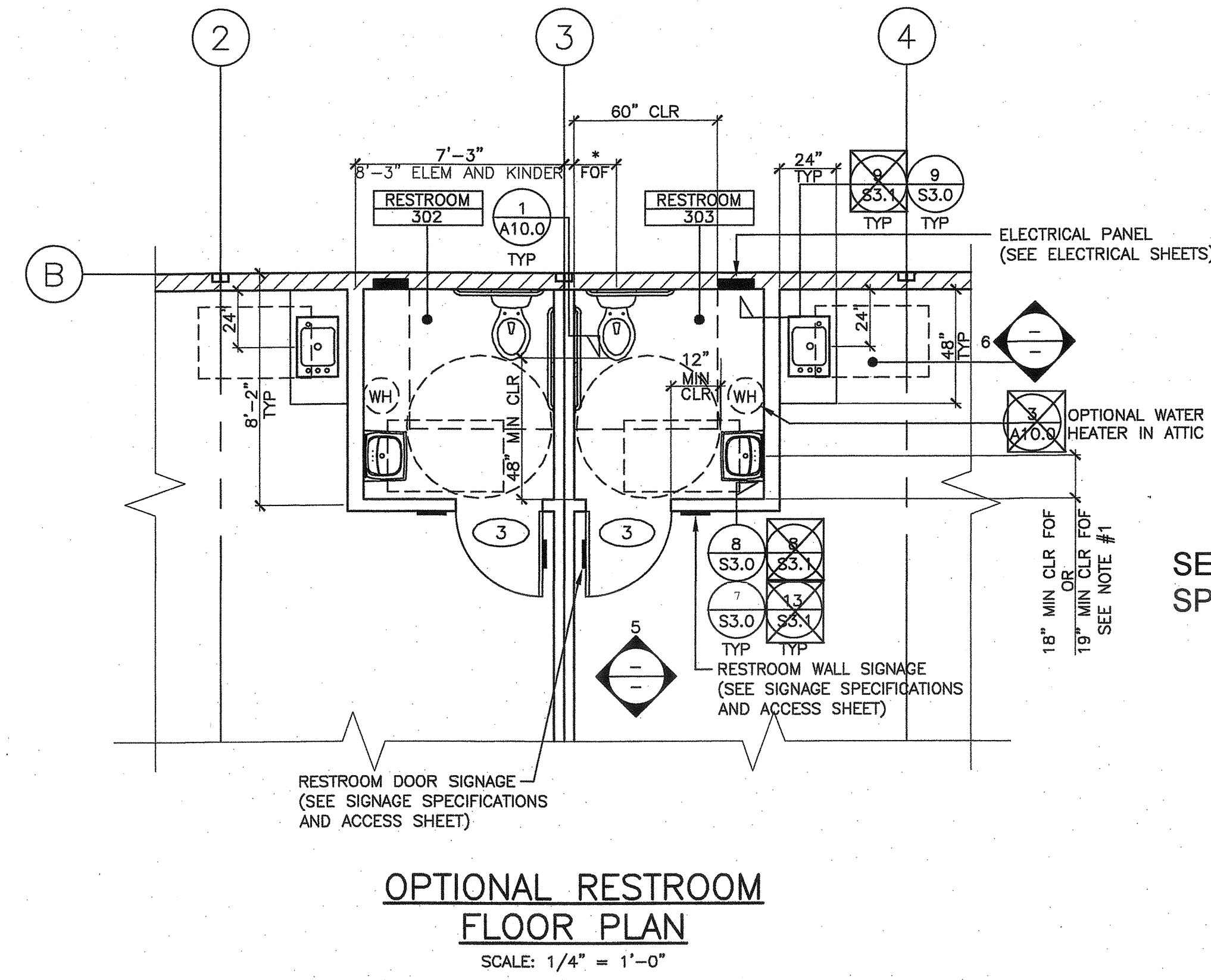
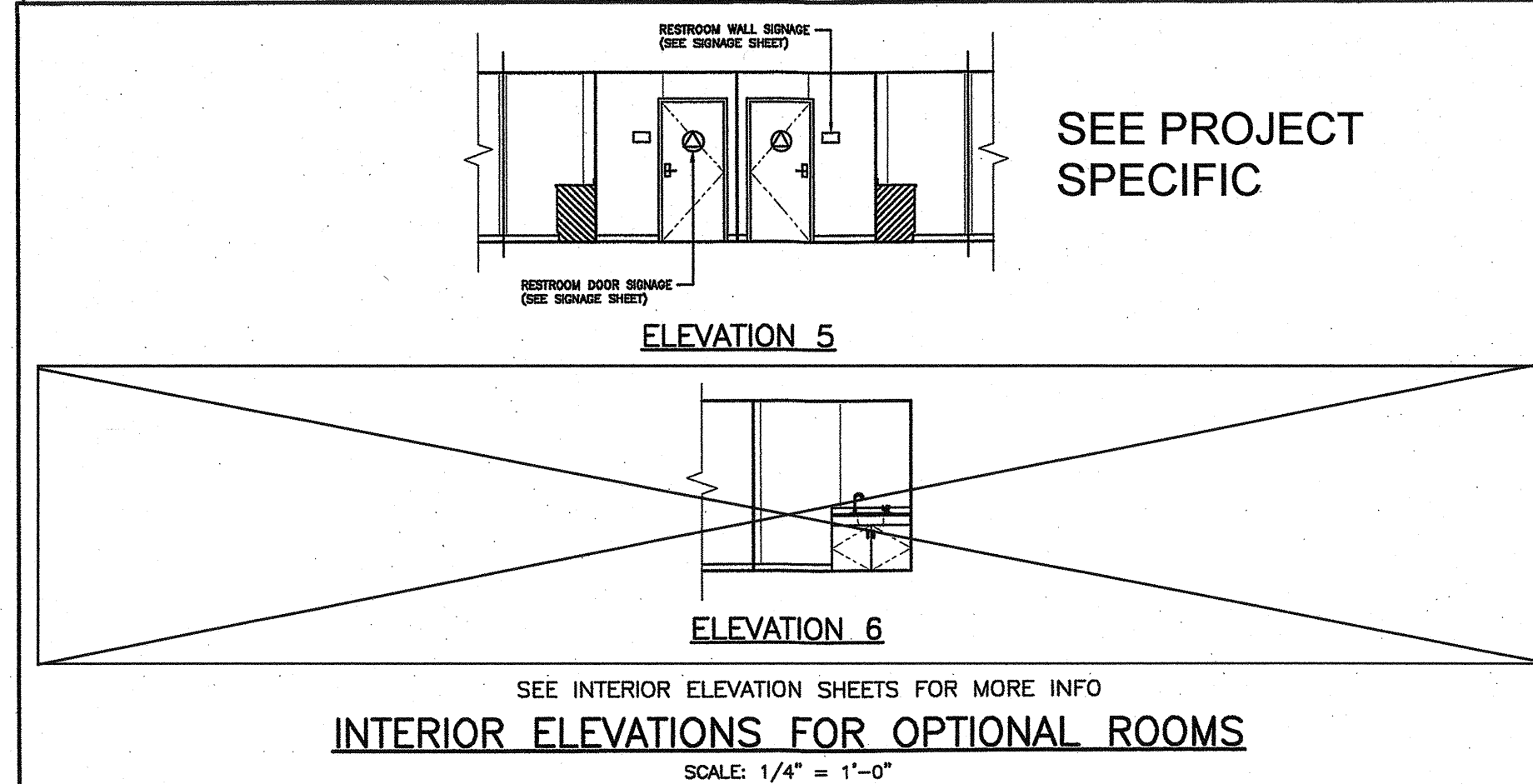
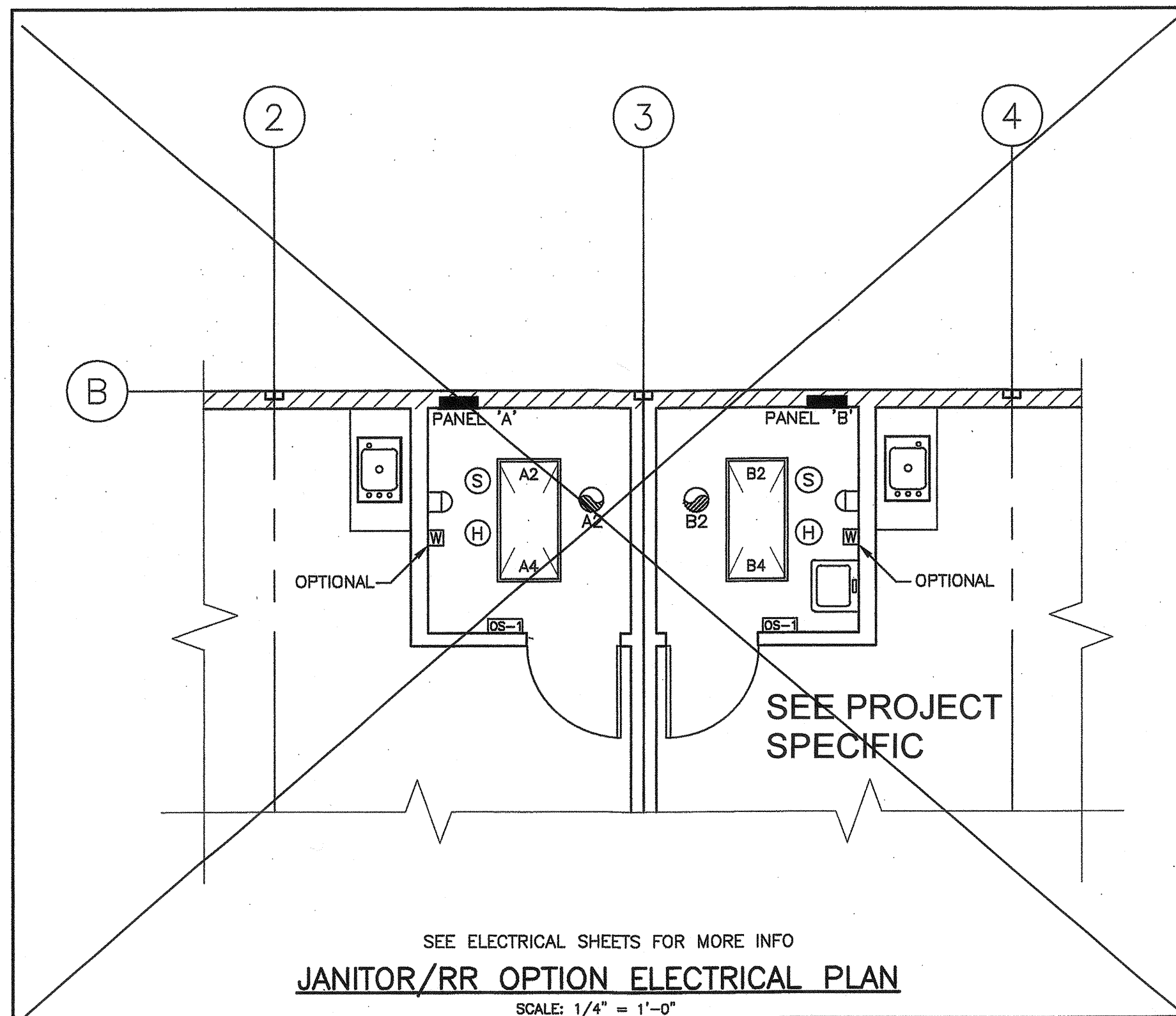
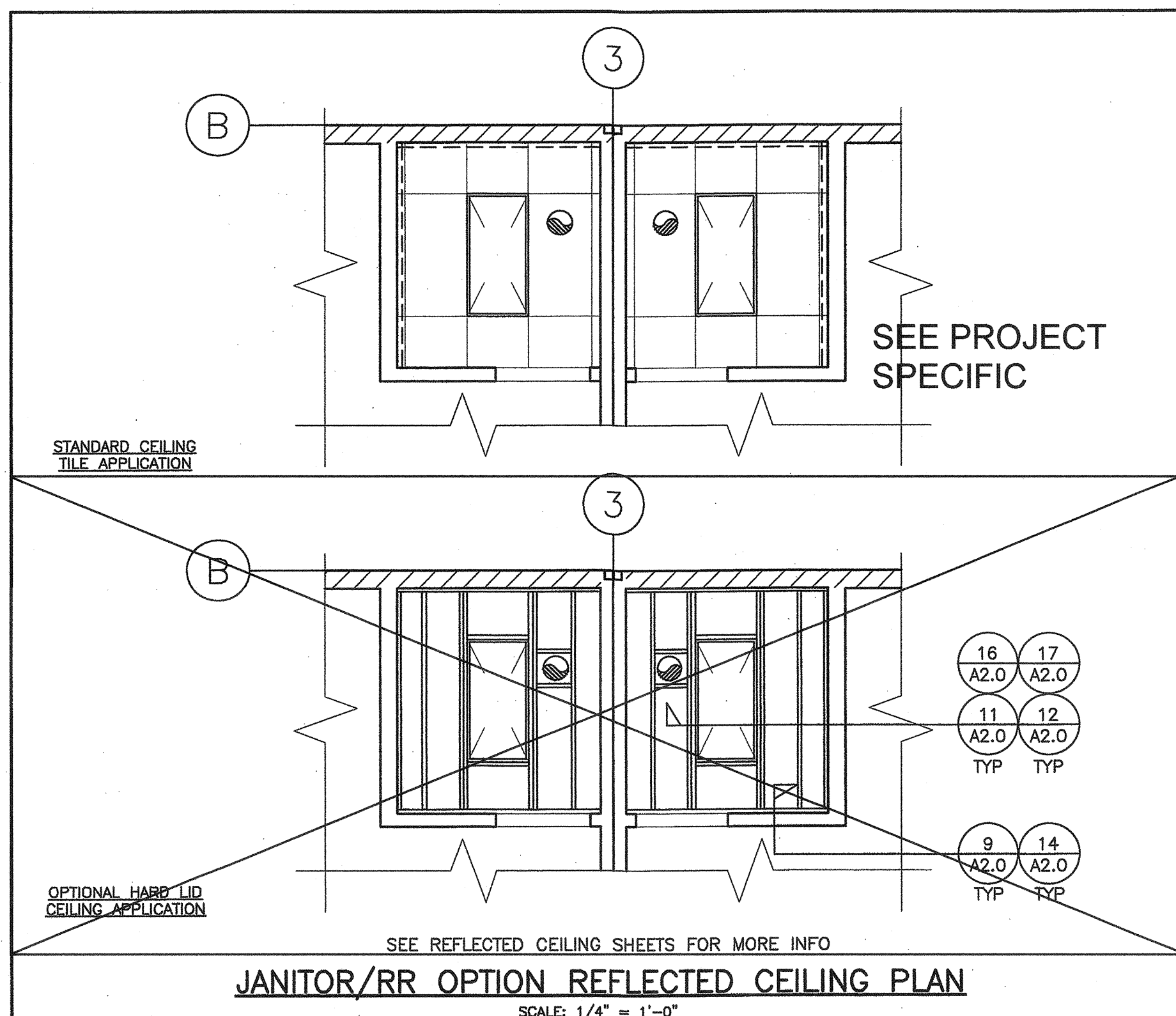
PRE-CHECK (PC) DOCUMENT  
CODE: 2018 GBC  
A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRED

IDENTIFICATION STAMP  
DIV. OF THE STATE ARCHITECT  
PC 02-116677  
AC: FLS SS  
DATE: DEC 14 2018

REVISIONS

PROJECT NO.: 00-0000  
DRAWN BY: 00  
SCALE: AS NOTED  
DATE: 00-00-00  
SHEET NUMBER

**A10.1**



**LEGEND**

○ PLUMBING ACCESSORY CALL OUT (REFERENCE SHEET A10.0 FOR FIXTURE SCHEDULE)

★ ACCESSIBLE DIMENSION SEE CHART BELOW (SEE SHEET A10.1 FOR ACCESSIBLE ELEVATIONS)

FOF FACE OF FINISH

NOTE #1 USE 18" MIN CLR WHEN THERE ARE NO ADJACENT ACCESSORIES TO THE LAVATORY OR ACCESSORIES MUST BE LESS THAN 3" PROJECTION SO IT DOES NOT ENCR OACH INTO REQUIRED CLEAR SPACE

USE 19" MIN CLR FOR ACCESSORIES UP TO 4" MAX PROJECTION SO IT DOES NOT ENCR OACH INTO REQUIRED CLEAR SPACE

SEE PROJECT SPECIFIC

SEE PROJECT SPECIFIC

**CHILDREN'S SUGGESTED WATER CLOSET HEIGHTS CHART**

MIN HEIGHT: MIN HEIGHTS USING TANK TYPE TOILET FIXTURES:

TABLE 1B-04.9 SUGGESTED DIMENSIONS FOR WATER CLOSERS SERVING CHILDREN AGES 3 THROUGH 12

	AGES 3 AND 4	AGES 5 THROUGH 8	AGES 9 THROUGH 12
WATER CLOSET CENTERLINE	12 INCHES	12 TO 15 INCHES	15 TO 18 INCHES
TOILET SEAT HEIGHT	11 TO 12 INCHES	12 TO 15 INCHES	15 TO 17 INCHES
GRAB BAR HEIGHT	18 TO 20 INCHES	20 TO 25 INCHES	25 TO 27 INCHES
DISPENSER HEIGHT	14 INCHES	14 TO 17 INCHES	17 TO 19 INCHES

NOTE: THE LOWEST MOUNTING HEIGHT OF A WALL MOUNTED WATER CLOSET IS 15" WITHOUT SEAT DUE TO THE WATER CLOSET WALL ANCHOR BOLT PATTERN.

PROJECT SPECIFIC HEIGHT USE: TO BE CHECKED OFF WHEN PREPARING PROJECT SPECIFIC DRAWINGS SET.

□ A = ADULT      ■ E = ELEMENTARY CHILDREN 12 YEARS & YOUNGER MAY USE SUGGESTED DIMENSIONS ABOVE

PROJECT SPECIFIC STATE AGENCY APPROVAL

**GLOBAL MODULAR** INCORPORATED  
**AURORA MODTECH** MODULAR STRUCTURES INTERNATIONAL, INC.

CONTRACTORS LICENSE #857357

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PROJECT NAME:

SHEET TITLE: **48'x40' RESTROOM OPTION & ACCESSORY PLAN**

MFR. STRUCTURAL ENGINEER OF RECORD ON PC

DATE SIGNED: DEC 11 2018

MFR. PROJECT SPECIFIC PROFESSIONAL OF RECORD

ARCHITECT OF RECORD: HAROLD L. HART, C-38002, LICENSE ARCHITECT, STATE OF CALIFORNIA, 06-30-2021 RENEWAL DATE

IDENTIFICATION STAMP: DIV. OF THE STATE ARCHITECT, APPROX 120280, AC FLS / SS, DATE OCT 03 2018

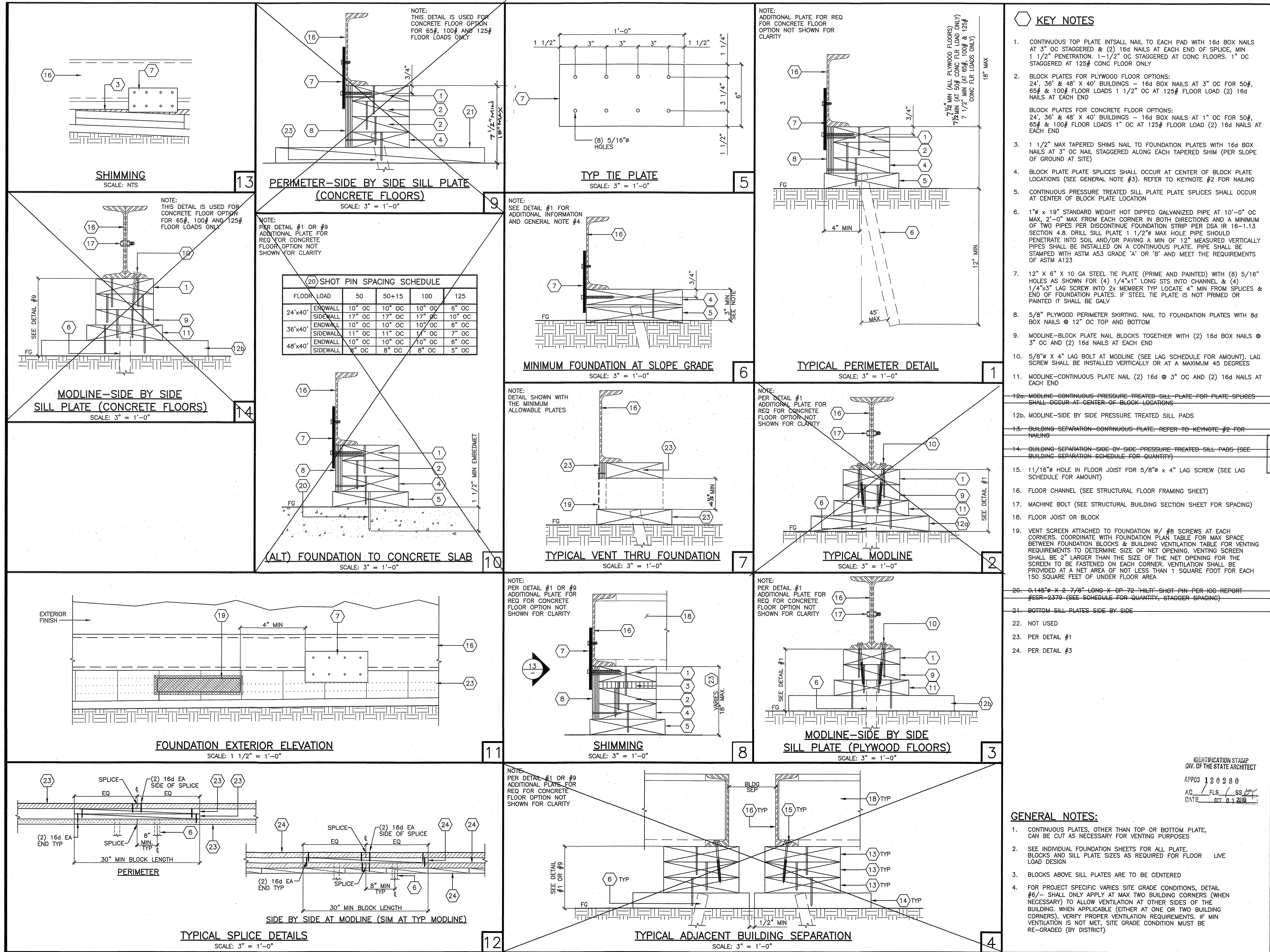
PRE-CHECK (PC) DOCUMENT CODE: 2018 CBC, A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRED

IDENTIFICATION STAMP: DIV. OF THE STATE ARCHITECT, PC 02-118677, AC FLS / SS, DATE DEC 14 2018

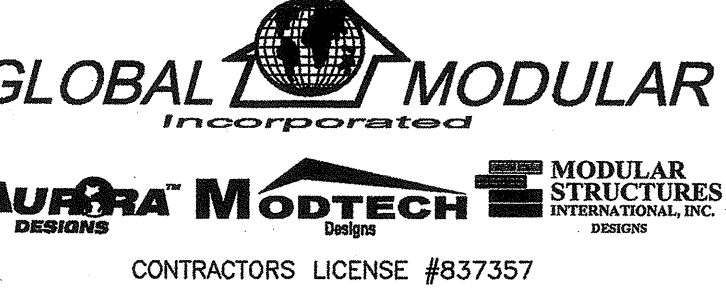
REVISIONS:

PROJECT NO.: 00-0000  
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 SCALE: AS NOTED  
 DATE: 00-00-00  
 SHEET NUMBER

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PROJECT SPECIFIC STATE SOUTHERN APPROVAL

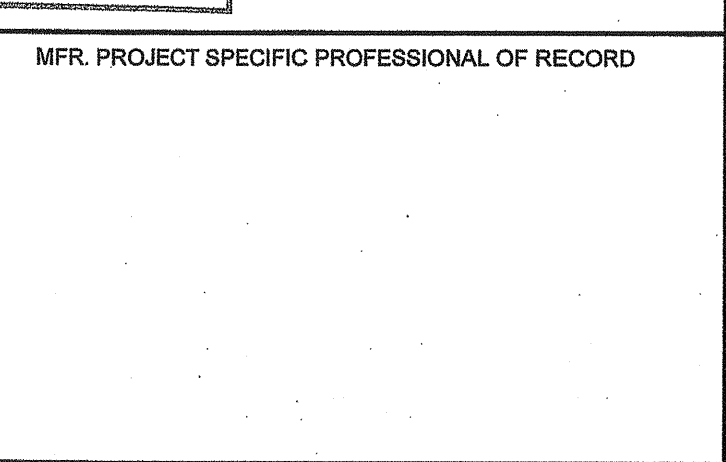


CONTRACTORS LICENSE #837357  
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PROJECT NAME:  
 SHEET TITLE: **WOOD PAD FOUNDATION DETAILS**

MFR. STRUCTURAL ENGINEER OF RECORD ON PC  
 DATE SIGNED: DEC 11 2018  
 MFR. PROJECT SPECIFIC PROFESSIONAL OF RECORD



ARCHITECT OF RECORD  
 LICENSE ARCHITECT  
 HAROLD L. HART  
 C-38002  
 06-30-2021  
 RENEWAL DATE

PRE-CHECK (PC) DOCUMENT  
 CODE: 2018 ORC  
 A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRED  
 IDENTIFICATION STAMP  
 DIV. OF THE STATE ARCHITECT  
 APPROX 120980  
 AC: FLS / SS / JZ  
 DATE: OCT 2 2018

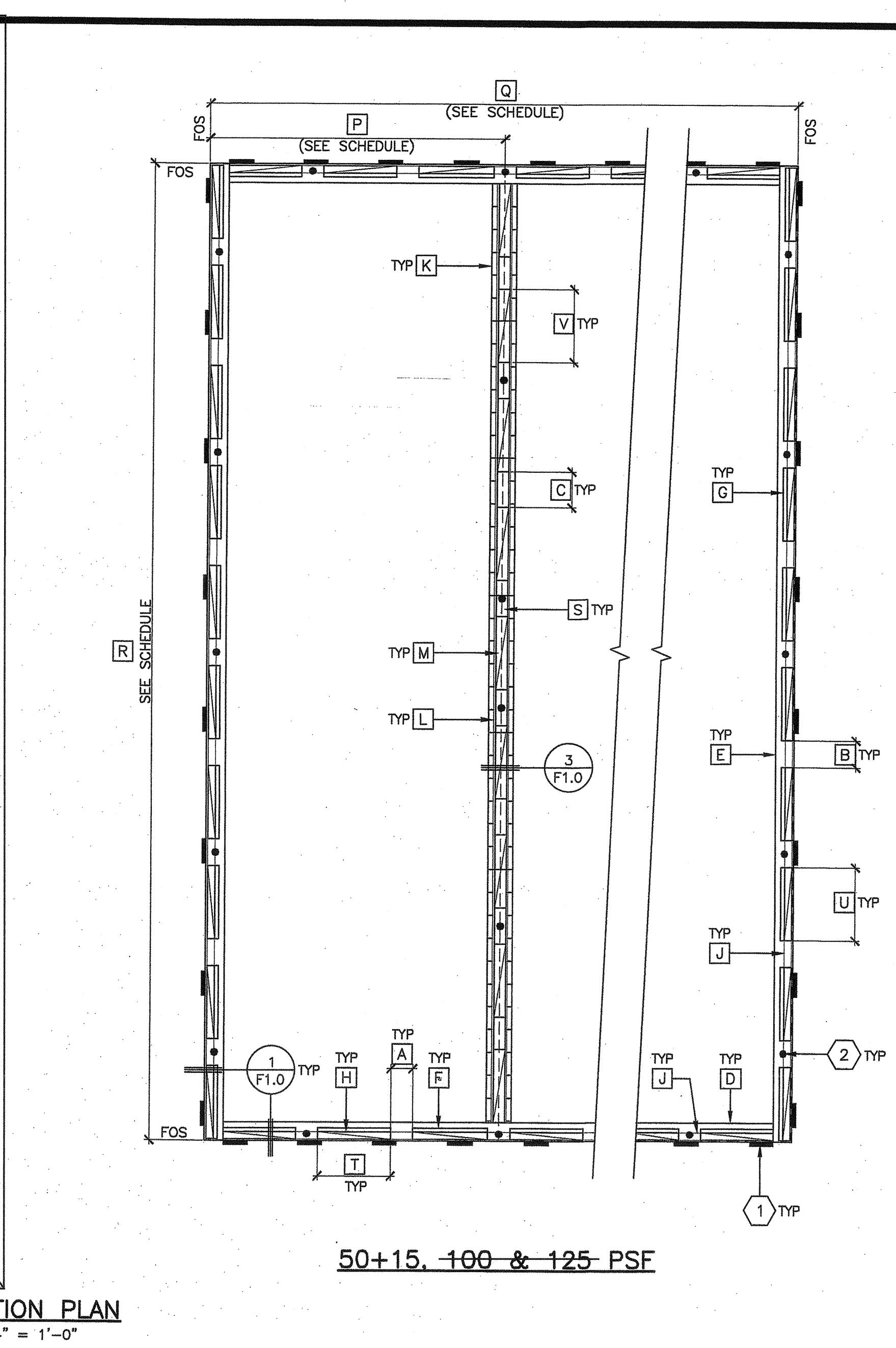
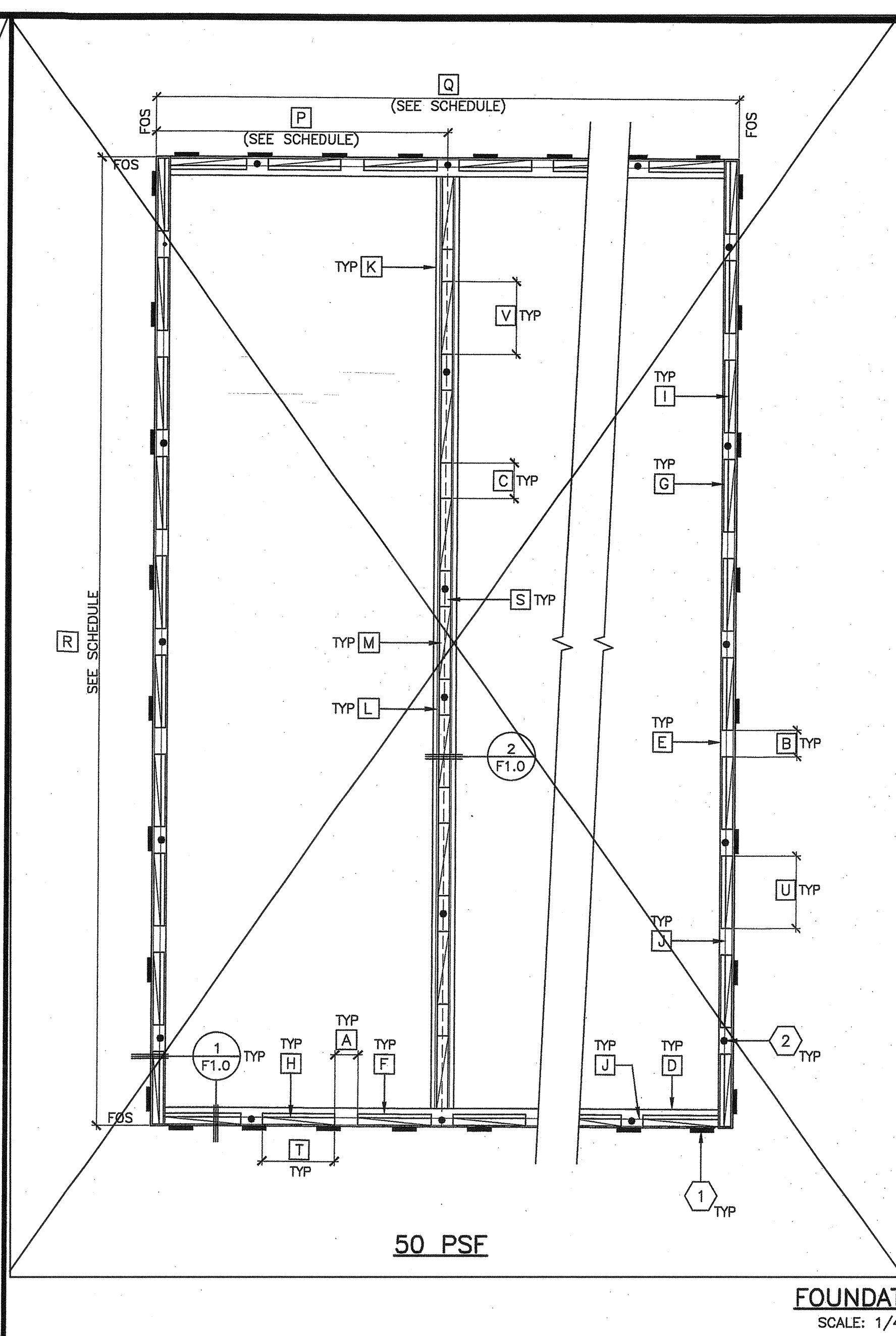
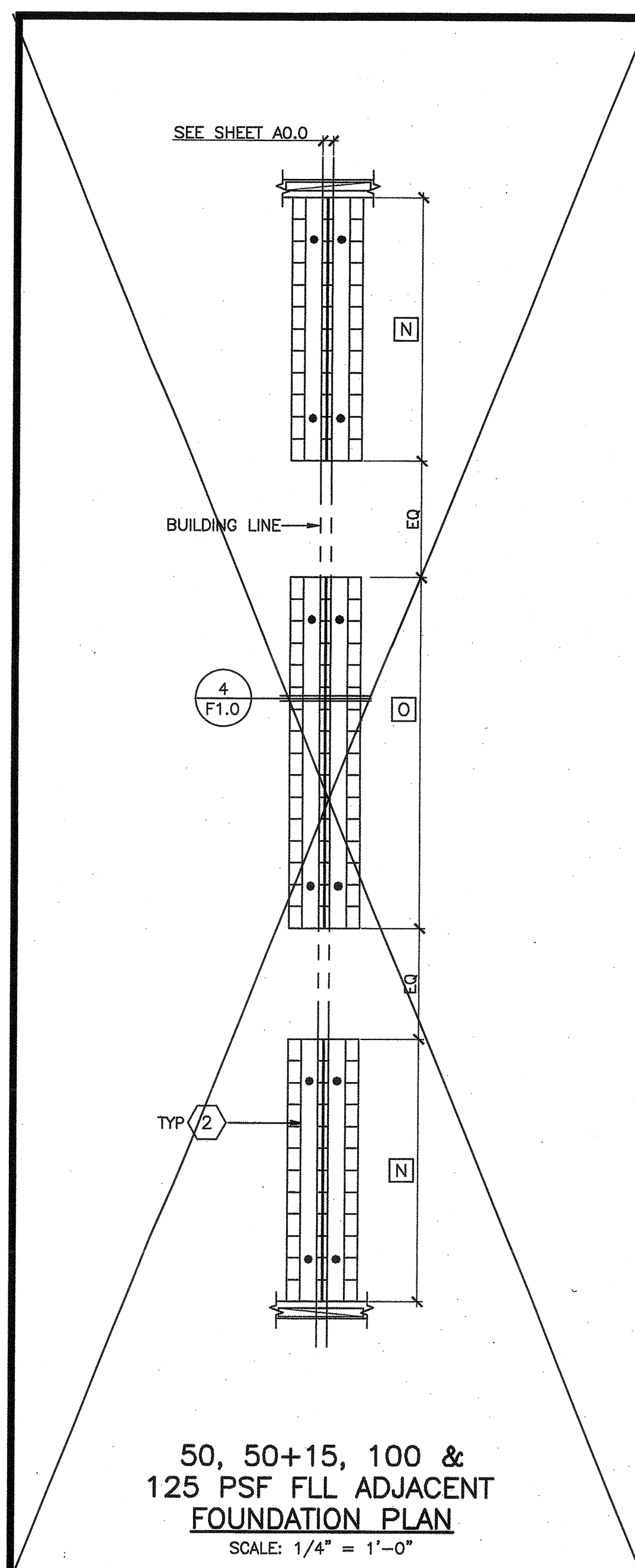
REVISIONS  
 PROJECT NO.: 00-0000  
 DRAWN BY: 00  
 SCALE: AS NOTED  
 DATE: 00-00-00  
 SHEET NUMBER  
**F1.0**

**KEY NOTES**

- CONTINUOUS TOP PLATE INSTALL NAIL TO EACH PAD WITH 16d BOX NAILS AT 3" OC STAGGERED & (2) 16d NAILS AT EACH END OF SPLICE, MIN 1 1/2" PENETRATION, 1-1/2" OC STAGGERED AT CONC FLOORS, 1" OC STAGGERED AT 125# CONC FLOOR ONLY
- BLOCK PLATES FOR PLYWOOD FLOOR OPTIONS:  
 24', 36' & 48' X 40' BUILDINGS - 16d BOX NAILS AT 3" OC FOR 50#, 65# & 100# FLOOR LOADS 1 1/2" OC AT 125# FLOOR LOAD (2) 16d NAILS AT EACH END  
 BLOCK PLATES FOR CONCRETE FLOOR OPTIONS:  
 24', 36' & 48' X 40' BUILDINGS - 16d BOX NAILS AT 1" OC FOR 50#, 65# & 100# FLOOR LOADS 1" OC AT 125# FLOOR LOAD (2) 16d NAILS AT EACH END
- 1 1/2" MAX TAPERED SHIMS NAIL TO FOUNDATION PLATES WITH 16d BOX NAILS AT 3" OC NAIL STAGGERED ALONG EACH TAPERED SHIM (PER SLOPE OF GROUND AT SITE)
- BLOCK PLATE SPLICES SHALL OCCUR AT CENTER OF BLOCK PLATE LOCATIONS (SEE GENERAL NOTE #3). REFER TO KEYNOTE #2 FOR NAILING
- CONTINUOUS PRESSURE TREATED SILL PLATE SPLICES SHALL OCCUR AT CENTER OF BLOCK PLATE LOCATION
- 1" x 19" STANDARD WEIGHT HOT DIPPED GALVANIZED PIPE AT 10'-0" OC MAX, 2'-0" MAX FROM EACH CORNER IN BOTH DIRECTIONS AND A MINIMUM OF TWO PIPES PER DISCONTINUE FOUNDATION STRIP PER DSA IR 16-1.13 SECTION 4.8. DRILL SILL PLATE 1 1/2" MAX HOLE PIPE SHOULD PENETRATE INTO SOIL AND/OR PAVING A MIN OF 12" MEASURED VERTICALLY PIPES SHALL BE INSTALLED ON A CONTINUOUS PLATE. PIPE SHALL BE STAMPED WITH ASTM A53 GRADE 'A' OR 'B' AND MEET THE REQUIREMENTS OF ASTM A123
- 12" x 6" x 10 GA STEEL TIE PLATE (PRIME AND PAINTED) WITH (8) 5/16" HOLES AS SHOWN FOR (4) 1/4"x1" LONG STS INTO CHANNEL & (4) 1/4"x3" LAG SCREW INTO 2x MEMBER TYP LOCATE 4" MIN FROM SPLICES & END OF FOUNDATION PLATES. IF STEEL TIE PLATE IS NOT PRIMED OR PAINTED IT SHALL BE GALV
- 5/8" PLYWOOD PERIMETER SKIRTING, NAIL TO FOUNDATION PLATES WITH 8d BOX NAILS @ 12" OC TOP AND BOTTOM
- MODLINE-BLOCK PLATE NAIL BLOCKS TOGETHER WITH (2) 16d BOX NAILS @ 3" OC AND (2) 16d NAILS AT EACH END
- 5/8" x 4" LAG BOLT AT MODLINE (SEE LAG SCHEDULE FOR AMOUNT). LAG SCREW SHALL BE INSTALLED VERTICALLY OR AT A MAXIMUM 45 DEGREES
- MODLINE-CONTINUOUS PLATE NAIL (2) 16d @ 3" OC AND (2) 16d NAILS AT EACH END
- MODLINE-CONTINUOUS PRESSURE TREATED SILL PLATE FOR PLATE SPLICES SHALL OCCUR AT CENTER OF BLOCK LOCATIONS
- MODLINE-SIDE BY SIDE PRESSURE TREATED SILL PLADS
- BUILDING SEPARATION-CONTINUOUS PLATE, REFER TO KEYNOTE #2 FOR NAILING
- BUILDING SEPARATION-SIDE BY SIDE PRESSURE TREATED SILL PLADS (SEE BUILDING SEPARATION SCHEDULE FOR QUANTITY)
- 1 1/16" HOLE IN FLOOR JOIST FOR 5/8" x 4" LAG SCREW (SEE LAG SCHEDULE FOR AMOUNT)
- FLOOR CHANNEL (SEE STRUCTURAL FLOOR FRAMING SHEET)
- MACHINE BOLT (SEE STRUCTURAL BUILDING SECTION SHEET FOR SPACING)
- FLOOR JOIST OR BLOCK
- VENT SCREEN ATTACHED TO FOUNDATION W/ #8 SCREWS AT EACH CORNER. COORDINATE WITH FOUNDATION PLAN TABLE FOR MAX SPACE BETWEEN FOUNDATION BLOCKS & BUILDING VENTILATION TABLE FOR VENTING REQUIREMENTS TO DETERMINE SIZE OF NET OPENING. VENTING SCREEN SHALL BE 2" LARGER THAN THE SIZE OF THE NET OPENING FOR THE SCREEN TO BE FASTENED ON EACH CORNER. VENTILATION SHALL BE PROVIDED AT A NET AREA OF NOT LESS THAN 1 SQUARE FOOT FOR EACH 150 SQUARE FEET OF UNDER FLOOR AREA
- 0.145" x 2-7/8" LONG X GP 72 "HILT" SHOT PIN PER IGO REPORT #ESR-2379 (SEE SCHEDULE FOR QUANTITY, STAGGER SPACING)
- BOTTOM SILL PLATES SIDE BY SIDE
- NOT USED
- PER DETAIL #1
- PER DETAIL #3

**GENERAL NOTES:**

- CONTINUOUS PLATES, OTHER THAN TOP OR BOTTOM PLATE, BLOCKS AND SILL PLATE SIZES AS REQUIRED FOR FLOOR LIVE LOAD DESIGN
- BLOCKS ABOVE SILL PLATES ARE TO BE CENTERED
- FOR PROJECT SPECIFIC VARIES SITE GRADE CONDITIONS, DETAIL #6/- SHALL ONLY APPLY AT MAX TWO BUILDING CORNERS (WHEN NECESSARY) TO ALLOW VENTILATION AT OTHER SIDES OF THE BUILDING, WHEN APPLICABLE (EITHER AT ONE OR TWO BUILDING CORNERS), VERIFY PROPER VENTILATION REQUIREMENTS. IF MIN VENTILATION IS NOT MET, SITE GRADE CONDITION MUST BE RE-GRADED (BY DISTRICT)



### KEY NOTES

- TIE PLATE (SEE SCHEDULE FOR QUANTITY)
- GALVANIZED PIPE (SEE WOOD PAD FOUNDATION DETAILS SHEET)

### GENERAL NOTES:

- DESIGN ALLOWABLE SOIL BEARING PRESSURE - 1000 PSF
- ALL FOUNDATION LUMBER SHALL BE HF #2 ALL LUMBER IN CONTACT WITH GRADE SHALL BE STAMPED "FOR GROUND CONTACT" ALL FOUNDATION FASTENERS SHALL BE CORROSION RESISTANT PER 2304.9.5
- CONTINUOUS TOP PLATE NOT SHOWN FOR CLARITY
- MAXIMUM 2,160 SQ FT FOR STAND-ALONE WOOD PAD FOUNDATION SYSTEM PER DSA IR 16-1.13
- MINIMUM (3) SIDES FOR CROSS VENTILATION
- THE ENDWALL SIDE MUST BE VENTED
- PER SECTION 1203.4.2 EXCEPTION 2, THE TOTAL AREA OF VENTILATION OPENINGS IS PERMITTED TO BE REDUCED TO 1/1500 OF THE UNDER-FLOOR AREA WHERE THE GROUND SURFACE IS COVERED WITH A CLASS I VAPOR RETARDER MATERIAL AND THE REQUIRED OPENINGS ARE PLACED SO AS TO PROVIDE CROSS VENTILATION OF THE SPACE. THE INSTALLATION OF OPERABLE LOUVERS SHALL NOT BE PROHIBITED

PROJECT SPECIFIC STATE AGENCY APPROVAL

**GLOBAL MODULAR**  
Incorporated

**AURORA MODTECH**  
MODULAR STRUCTURES

CONTRACTORS LICENSE #837357

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PROJECT NAME:

SHEET TITLE:  
**WOOD PAD FOUNDATION PLAN  
PLYWOOD FLOOR**

MFR. STRUCTURAL ENGINEER OF RECORD ON PC

DATE SIGNED: DEC 11 2018  
No. 9886  
STATE OF CALIFORNIA

MFR. PROJECT SPECIFIC PROFESSIONAL OF RECORD

### SCHEDULES (☐ = REF LETTERS TO SCHEDULES BELOW TYP)

MAX SPACE BETWEEN FOUNDATION BLOCKS				
FLOOR LIVE LOAD PSF	50	50+15	100	125
A END WALL	18"	19"	20"	20"
B SIDE WALL	18"	19"	20"	20"
C MODLINE	18"	14"	13"	12"

WOOD PAD FOUNDATION (PERIMETER)				
FLOOR LIVE LOAD PSF	50	50+15	100	125
D SILL PLATE (END WALL)	2x10 CONT	2x10 CONT	2x12 CONT	2x12 CONT
E SILL PLATE (SIDE WALL)	2x8 CONT	2x10 CONT	2x12 CONT	2x12 CONT
F BLOCK PLATE (END WALL)	2x6	2x6	2x6	2x6
G BLOCK PLATE (SIDE WALL)	2x6	2x6	2x6	2x6
H BLOCK PLATE (END WALL)	2x6	2x6	2x6	2x6
I BLOCK PLATE (SIDE WALL)	2x6	2x6	2x6	2x6
J CONT. TOP PLATE	2x6	2x6	2x6	2x6

WOOD PAD FOUNDATION (MODLINE)				
FLOOR LIVE LOAD PSF	50	50+15	100	125
K SILL PLATE	2x12 CONT	2x12 CONT	2x12 CONT	2x12 CONT
L CONTINUOUS PLATE	2x8	2x8	2x8	2x8
M BLOCK PLATE	2x6	2x6	2x6	2x6
S TOP PLATE	2x6 CONT	2x6 CONT	2x6 CONT	2x6 CONT

ADJACENT BUILDING SEPARATION	
	50 PSF
N SILL PLATE	(10) 2x10 x 24"L
N CONTINUOUS PLATES	2x8 x 9'-3"
O SILL PLATE	(12) 2x10 x 24"L
O CONTINUOUS PLATES	2x8 x 9'-3"

ADJACENT BUILDING SEPARATION	
	50+15 PSF
N SILL PLATE	(12) 2x10 x 30"L
N CONTINUOUS PLATES	2x8 x 9'-3"
O SILL PLATE	(16) 2x10 x 30"L
O CONTINUOUS PLATES	2x8 x 12'-4"

ADJACENT BUILDING SEPARATION	
	100 PSF
N SILL PLATE	(13) 2x10 x 30"L
N CONTINUOUS PLATES	2x10 x 10'-0 1/4"
O SILL PLATE	(16) 2x10 x 30"L
O CONTINUOUS PLATES	2x10 x 12'-4"

ADJACENT BUILDING SEPARATION	
	125 PSF
N SILL PLATE	(14) 2x10 x 30"L
N CONTINUOUS PLATES	2x10 x 10'-9 1/2"
O SILL PLATE	(17) 2x10 x 30"L
O CONTINUOUS PLATES	2x10 13'-1 1/4"

TOTAL FOUNDATION FOS TO FOS				
	50 PSF	24'x40'	36'x40'	48'x40'
P LH OR RH MODULE	12'-0 1/4"	12'-0 1/4"	12'-0 1/4"	12'-0 1/4"
Q END WALL WIDTH	24'-1/2"	36'-1/2"	48'-1/2"	
R SIDE WALL LENGTH	40'-0 1/2"	40'-0 1/2"	40'-0 1/2"	

TOTAL FOUNDATION FOS TO FOS				
	50+15 PSF	24'x40'	36'x40'	48'x40'
P LH OR RH MODULE	12'-0 3/8"	12'-0 3/8"	12'-0 3/8"	12'-0 3/8"
Q END WALL WIDTH	24'-3/4"	36'-3/4"	48'-3/4"	
R SIDE WALL LENGTH	40'-0 3/4"	40'-0 3/4"	40'-0 3/4"	

TOTAL FOUNDATION FOS TO FOS				
	100 PSF	24'x40'	36'x40'	48'x40'
P LH OR RH MODULE	12'-0 3/8"	12'-0 3/8"	12'-0 3/8"	12'-0 3/8"
Q END WALL WIDTH	24'-3/4"	36'-3/4"	48'-3/4"	
R SIDE WALL LENGTH	40'-0 3/4"	40'-0 3/4"	40'-0 3/4"	

TOTAL FOUNDATION FOS TO FOS				
	125 PSF	24'x40'	36'x40'	48'x40'
P LH OR RH MODULE	12'-0 3/8"	12'-0 3/8"	12'-0 3/8"	12'-0 3/8"
Q END WALL WIDTH	24'-3/4"	36'-3/4"	48'-3/4"	
R SIDE WALL LENGTH	40'-0 3/4"	40'-0 3/4"	40'-0 3/4"	

TIE PLATE SCHEDULE			
BUILDING SIZE	FLOOR LOAD PSF	PLATES PER EA SIDE OF BLDG EQ SPACED	GRAND TOTAL
24'x40'	50	8	22
	50+15	8	32
	100	8	32
36'x40'	50	11	44
	50+15	11	44
	100	11	44
48'x40'	50+15	15	60
	100	15	60
	125	27	108

LAG SCH (MODLINE OR SEP)		
BUILDING SIZE	FLOOR LOAD PSF	PER EA SIDE OF MODULE
24'x40'	50	8
	50+15	8
	100	8
36'x40'	50	10
	50+15	10
	100	10
48'x40'	50+15	14
	100	14
	125	28

MIN FOUNDATION BLOCK SIZES							
	24'x40'		36'x40'		48'x40'		
	FLOOR LIVE LOAD PSF	50 PSF	FLOOR LIVE LOAD PSF	50 PSF	FLOOR LIVE LOAD PSF	50 PSF	
T END WALL	2'-10 3/4"		END WALL	2'-9 7/8"	END WALL	2'-9 3/8"	
U SIDE WALL	2'-9 5/8"		SIDE WALL	2'-9 5/8"	SIDE WALL	2'-9 5/8"	
V MODLINE	2'-10 3/8"		MODLINE	2'-10 3/8"	MODLINE	2'-10 3/8"	
T END WALL	2'-8 3/8"		END WALL	2'-7 1/4"	END WALL	2'-6 5/8"	
U SIDE WALL	2'-7"		SIDE WALL	2'-7"	SIDE WALL	2'-7"	
V MODLINE	3'-3"		MODLINE	3'-3"	MODLINE	3'-3"	
T END WALL	2'-7 1/2"		END WALL	2'-6 3/8"	END WALL	2'-5 3/4"	
U SIDE WALL	2'-6 1/8"		SIDE WALL	2'-6 1/8"	SIDE WALL	2'-6 1/8"	
V MODLINE	3'-3 1/2"		MODLINE	3'-3 1/2"	MODLINE	3'-3 1/2"	
T END WALL	2'-7 1/2"		END WALL	2'-6 3/8"	END WALL	2'-5 3/4"	
U SIDE WALL	2'-6 1/8"		SIDE WALL	2'-6 1/8"	SIDE WALL	2'-6 1/8"	
V MODLINE	3'-4 1/2"		MODLINE	3'-4 1/2"	MODLINE	3'-4 1/2"	

MULTIPLE-BUILDING VENTILATION			
MULTIPLE BLDG VENT	MIN VENT PER END WALL	MIN VENT PER SIDE WALL	MIN VENT PER PERIMETER
60'x40' = 16.8 SF	11	7	7
72'x40' = 19.2 SF	15	7	7
84'x40' = 22.4 SF	19	7	7
96'x40' = 25.6 SF	24	7	7
108'x40' = 28.8 SF	27	7	7
120'x40' = 32 SF	30	7	7

NOTE: SIZE ABOVE INDICATES LENGTHS OF BUILDING GROUPS (NOT A SINGLE BUILDING)

STAND-ALONE BUILDING VENTILATION			
REQUIRED VENTILATION	MIN VENT PER END WALL	MIN VENT PER SIDE WALL	MIN VENT PER PERIMETER
24'x40' = 6.4 SF	2	2	2
36'x40' = 9.6 SF	3	2	2
48'x40' = 12.8 SF	4	2	2

ARCHITECT OF RECORD

**LICENSABLE ARCHITECT**  
HAROLD L. HART  
C-38002  
06-30-2021  
RENEWAL  
STATE OF CALIFORNIA

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

IDENTIFICATION STAMP  
DIV. OF THE STATE ARCHITECT  
**PC 02-118677**  
DATE: DEC 14 2018

REVISIONS

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DATE: 00-00-00

SHEET NUMBER  
**F1.1**

IDENTIFICATION STAMP  
DIV. OF THE STATE ARCHITECT  
APPROX 120280  
AC / FLS / SS / SF  
DATE: OCT 03 2018

GENERAL NOTES

GENERAL NOTES:

- 1. ALL CONSTRUCTION SHALL COMPLY WITH THE 2013 EDITION OF THE CALIFORNIA BUILDING CODE, COR TITLE 24, PART 2 (CBC) AND COR TITLE 24, PART 1, CHAPTER 4, GROUP 1, LATEST REVISIONS.
2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE SAFETY OF THE BUILDING DURING CONSTRUCTION AND SHALL PROVIDE ADEQUATE SHORING AND BRACING DURING CONSTRUCTION. CONTRACTOR SHALL COMPLY WITH APPLICABLE SAFETY REGULATIONS.
3. DETAILS NOT SPECIFICALLY SHOWN SHALL BE CALLED TO THE ATTENTION OF THE MANUFACTURER OR DESIGN PROFESSIONAL AND DSA.
4. THE CONTRACTOR SHALL COORDINATE THE WORK OF ALL TRADES AND SHALL CHECK ALL DIMENSIONS. ANY DISCREPANCIES SHALL BE CALLED TO THE ATTENTION OF THE OWNER AND BE RESOLVED BEFORE PROCEEDING WITH THE WORK.
5. NO STRUCTURAL MEMBERS SHALL BE CUT, NOTCHED OR OTHERWISE PENETRATED UNLESS SPECIFICALLY APPROVED BY THE STRUCTURAL ENGINEER IN ADVANCE OR SHOWN ON THESE DRAWINGS.
6. TYPICAL DETAILS SHALL APPLY UNLESS SHOWN OTHERWISE ON THE DRAWINGS.
7. WHERE THESE GENERAL NOTES AND TYPICAL DETAILS ARE IN CONFLICT WITH THE SPECIFICATIONS, THESE GENERAL NOTES AND TYPICAL DETAILS SHALL GOVERN.
8. PROVIDE OPENINGS, CURBS, FRAMING AND/OR SUPPORTS FOR ITEMS INDICATED ON ARCHITECTURAL, MECHANICAL, ELECTRICAL OR OTHER DRAWINGS INCLUDED IN CONSTRUCTION DOCUMENTS.
9. REFER TO ARCHITECTURAL DRAWINGS FOR DIMENSIONS AND OTHER INFORMATION NOT SPECIFICALLY SHOWN ON STRUCTURAL DRAWINGS.
10. ALL ELEVATIONS ARE REFERENCED FROM TOP OF FINISHED FIRST FLOOR ELEVATION = 0'-0".
11. PROVIDE INSPECTIONS, TESTS AND REPORTS IN ACCORDANCE WITH COR TITLE 24, PART 2 AND COR TITLE 24, PART 1, CHAPTER 4, GROUP 1.
12. IN ADDITION TO CONTINUOUS PROJECT INSPECTION, THE FOLLOWING SPECIAL INSPECTIONS SHALL BE REQUIRED, AS A MINIMUM:
A. INSPECTION OF ALL WELDING FOR STRUCTURAL STEEL, PER TITLE 24, PART 2, SECTION 1705A.2.
B. INSPECTION FOR REINFORCING AND CONCRETE REINFORCEMENT PLACEMENT, PER TITLE 24, PART 2, SECTION 1705A.3.
13. ALL REQUIRED INSPECTIONS AND TESTS ARE THE RESPONSIBILITY OF THE OWNER. ALL INSPECTIONS SHALL PROVIDE REPORTS AS REQUIRED BY TITLE 24, PART 1, CHAPTER 4, GROUP 1.
14. DIMENSIONS AND ELEVATIONS SHOWN ARE APPROXIMATE AND ARE PROVIDED AS AN AID IN INTERPRETING THE DRAWINGS ONLY. DIMENSIONS AND ELEVATIONS MUST BE VERIFIED WITH ARCHITECTURAL DRAWINGS. IN THE EVENT OF CONFLICT, DIMENSIONS AND ELEVATIONS SHOWN ON ARCHITECTURAL DRAWINGS SHALL GOVERN. DRAWING SCALES GIVEN ARE APPROXIMATE - DO NOT SCALE PLANS OR DETAILS.
15. WHEN MODULE IS RELOCATED - DO NOT REINSTATE NAILS OR SCREWS IN EXISTING HOLES

WOOD:

- 1. STRUCTURAL FRAMING SHALL BE HEM FIR - LARCH GRADED IN ACCORDANCE WITH THE STANDARD GRADING RULES OF THE WESTERN WOOD PRODUCTS ASSOCIATION OR STANDARD GRADING RULES #17 OF THE WEST COAST LUMBER INSPECTION BUREAU, LATEST EDITIONS. GRADES SHALL BE AS FOLLOWS UNLESS NOTED OTHERWISE ON THE DRAWINGS. (HEM FIR SOUTH IS NOT ALLOWED). EACH PIECE SHALL BE GRADE MARKED AND NO PIECE MAY FALL BELOW GRADES INDICATED.
2. ALL FRAMING EXCEPT AS NOTED HEM FIR #2.
PLYWOOD SHALL BE AS SHOWN ON THESE DRAWINGS WITH EXTERIOR GLUE IN ACCORDANCE WITH U.S. PRODUCT STANDARD PS 1-09. ALL PANELS SHALL BE MARKED WITH AN APA GRADE MARK WITH AN IDENTIFICATION INDEX AS SHOWN ON DRAWINGS. USE 4'x8' PANELS, MINIMUM, EXCEPT AT BOUNDARIES AND FRAMING CHANGES WHERE MINIMUM PANEL DIMENSION SHALL BE 24" AT ROOFS AND FLOORS AND 12" AT WALLS.
3. BOLTS FOR TIMBER CONNECTIONS SHALL CONFORM TO ANSI/ASME STANDARD AND 2015 EDITION OF THE NDS. BOLTS SHALL BE INSTALLED IN ACCORDANCE WITH THE REQUIREMENTS OF THE LATEST EDITION OF THE NATIONAL DESIGN SPECIFICATION FOR WOOD CONSTRUCTION BY THE NATIONAL FOREST PRODUCTS ASSOCIATION (NDS). BOLT HOLES SHALL BE 1/32 TO 1/16 INCH LARGER THAN BOLT DIAMETER. RE-TIGHTEN BOLTS BEFORE CLOSING IN WORK. BOLTS SHALL BE FULL BODY STEEL BOLTS WITH MINIMUM YIELD STRENGTH OF 45,000 PSI.
4. LAG SCREWS SHALL BE STEEL AND CONFORM TO ANSI/ASME STANDARD AND THE REQUIREMENTS OF THE 2015 NATIONAL DESIGN SPECIFICATION FOR WOOD CONSTRUCTION.
5. WOOD SCREWS SHALL COMPLY WITH THE REQUIREMENTS OF THE 2015 NATIONAL DESIGN SPECIFICATION FOR WOOD CONSTRUCTION BY THE NATIONAL FOREST PRODUCTS ASSOCIATION (NDS). GALVANIZED OR OTHER CORROSION RESISTANT COATING WHERE EXPOSED TO WEATHER OR USED IN FOUNDATIONS. SCREWS SHALL BE STEEL WITH CUT THREADS AND BENDING YIELD STRENGTHS NDS.
6. WHEN REQUIRED NAILING TENDS TO SPLIT WOOD MEMBERS, NAIL HOLES SHALL BE PRE-BORED TO 3/4 OF THE NAIL DIAMETER.
7. STRUCTURAL NAILING SHALL BE WITH FULL HEAD COMMON NAILS PER ALL REQUIREMENTS OF THE 2015 NDS. NAILING NOT SPECIFICALLY INDICATED SHALL COMPLY WITH COR TITLE 24, PART 2, TABLE 2304.10.1. ALL NAILS SHALL BE GALVANIZED OR OTHER CORROSION RESISTANT COATING WHERE EXPOSED TO WEATHER, IN FOUNDATIONS AND AS NOTED ON PLANS, PER THE REQUIREMENTS OF COR TITLE 24, PART 2, WITH MINIMUM BENDING YIELDS PER THE 2012 NDS. (SEE NAIL EQUIVALENCE BELOW.)
8. NAIL EQUIVALENCE (PROVIDE MINIMUM NAIL LENGTHS AS REQUIRED FOR SPECIFIED PENETRATION, TYP UNO)
6d EQUALS .113" - PROVIDE 1.36" MIN POINT PENETRATION
8d EQUALS .131" - PROVIDE 1.57" MIN POINT PENETRATION
10d EQUALS .148" - PROVIDE 1.78" MIN POINT PENETRATION
16d EQUALS .162" - PROVIDE 1.94" MIN POINT PENETRATION
\* 1 1/2" AT 2x MEMBERS
9. EXCEPT WHERE MORE STRINGENT CONSTRUCTION IS SHOWN ON THE DRAWINGS, WOOD CONSTRUCTION SHALL COMPLY WITH TITLE 24, PART 2, SECTION 2308, CONVENTIONAL LIGHT-FRAME CONSTRUCTION PROVISIONS, AS A MINIMUM.
10. PRESSURE PRESERVATIVE TREATMENT SHALL BE PER SECTION 2303.1.9, COR TITLE 24, PART 2. PROVIDE QUALITY MARK ON ALL TREATED FOUNDATION MEMBERS FROM AGENCY LISTED BY AN ACCREDITATION BODY THAT COMPLIES WITH THE REQUIREMENTS OF THE AMERICAN LUMBER STANDARDS TREATED WOOD PROGRAM. ALL FOUNDATION MEMBERS SHALL BE IDENTIFIED PER SECTION 2303.1.9.1. TREAT ALL CUT ENDS OF PRESSURE TREATED MEMBERS WITH AN APPROVED PRESERVATIVE. (WILLARD W/B COPPER GREEN 2% OR AN APPROVED EQUIVALENT) WHERE NOTED. MEMBERS BELOW THE SUB FLOOR THAT ARE NOT A PART OF THE FOUNDATION SHALL BE PRESERVE TREATED. A QUALITY CONTROL STAMP IS NOT REQUIRED FOR STRUCTURAL MEMBERS BELOW THE SUB FLOOR THAT ARE NOT PART OF THE FOUNDATION.
11. MACHINE NAILING IS SUBJECT TO APPROVAL BY THE STRUCTURAL ENGINEER OR ARCHITECT AND THE DIVISION OF THE STATE ARCHITECT.
12. POWDER DRIVEN FASTENERS SHALL BE BY HILTI, INC. HILTI FASTENING SYSTEMS - OR EQUAL, INSTALL IN ACCORDANCE WITH DRAWINGS AND THE MANUFACTURER'S RECOMMENDATIONS AND ICC APPROVALS.
13. FASTENERS FOR PRESSURE-PRESERVATIVE TREATED AND FIRE-RETARDANT TREATED WOOD SHALL COMPLY WITH SECTION 2304.10.5 OF CBC.
14. NAILS AND SPIKES USED IN WET OR EXTERIOR LOCATIONS SHALL COMPLY WITH SECTION 2304.10.1.1 OF CBC.

CONCRETE:

- 1. CONCRETE SHALL DEVELOP A MINIMUM ULTIMATE COMPRESSIVE STRENGTH OF 3500 PSI AT 28 DAYS IN ACCORDANCE WITH ASTM C31 AND C39. TESTING SHALL BE IN ACCORDANCE WITH CBC (COR TITLE 24, PART 2) SECTION 1905A.1.2 AND ACI 318 SECTION 20.2.2. SAMPLES FOR STRENGTH TESTS OF EACH CLASS OF CONCRETE PLACED EACH DAY SHALL BE TAKEN NOT LESS THAN ONCE A DAY, OR NOT LESS THAN ONCE FOR EACH 50 CUBIC YARDS (38.3 m³) OF CONCRETE, OR NOT LESS THAN 2000 SQUARE FEET (186 m²) OF SURFACE AREA FOR SLABS OR WALLS. ADDITIONAL SAMPLES FOR SEVEN-DAY COMPRESSIVE STRENGTH TESTS SHALL BE TAKEN FOR EACH CLASS OF CONCRETE AT THE BEGINNING OF THE CONCRETE WORK OR WHENEVER THE MIX OR AGGREGATE IS CHANGED.
2. CONCRETE THAT WILL BE EXPOSED TO FREEZING AND THAWING, DEICING CHEMICALS OR OTHER EXPOSURE CONDITIONS SHALL COMPLY WITH SECTION 19.3.1, ACI 318-14.
3. ALL CONCRETE WORK SHALL CONFORM TO THE REQUIREMENTS OF THE CBC (COR TITLE 24, PART 2) AND ACI STANDARD 318, 2014 EDITION, OF THE AMERICAN CONCRETE INSTITUTE, UNLESS SHOWN OR NOTED OTHERWISE ON THESE DRAWINGS.
4. AGGREGATE SHALL CONFORM TO ASTM C33 FOR NORMAL CONCRETE WEIGHT AND C330 FOR LIGHT WEIGHT CONCRETE AND CBC SECTION 1903A.
5. CEMENT SHALL BE ASTM C150, TYPE I OR TYPE II.
6. REINFORCING STEEL SHALL BE DEFORMED CONFORMING TO ASTM A615 GRADE 40 UNLESS OTHERWISE NOTED.
7. WELDED WIRE FABRIC REINFORCEMENT SHALL CONFORM TO ASTM A185. WELDING OF REINFORCING STEEL SHALL BE PERFORMED ONLY WHERE INDICATED ON THE DRAWINGS AND SHALL BE IN COMPLIANCE WITH ALL REQUIREMENTS OF THE CBC AND ACI STANDARD 318 UNLESS SHOWN OTHERWISE ON THE DRAWINGS.
8. LAP SPICES FOR REINFORCING BARS SHALL BE 72 BAR DIAMETERS UNLESS SHOWN OTHERWISE ON THE DRAWINGS. WIRE BARS TOGETHER AT LAPS OR SPICES, STAGGER LAPS IN ADJACENT HORIZONTAL OR SLOPING REINFORCING BARS A MINIMUM OF THE REQUIRED SPICE LENGTH. HOOKS AND BENDS SHALL BE ACI 318-14 4.8.1, 4.8.2 UNLESS OTHERWISE NOTED. WELDED WIRE FABRIC SHALL BE SPLICED BY LAPPING A MINIMUM OF 12 INCHES OR TWO CROSS WIRES, WHICHEVER IS GREATER.
9. ALL EMBEDDED ITEMS SHALL BE PLACED ACCURATELY AND SECURED PRIOR TO BEGINNING CONCRETE PLACEMENT.
10. CONSTRUCTION JOINTS SHALL BE LOCATED SO AS NOT TO IMPAIR THE STRENGTH OF THE STRUCTURE. CONSTRUCTION JOINTS SHALL BE PLACED AT 318-14 CHAPTER 20, LOCATE CONSTRUCTION JOINTS AS SHOWN ON THE DRAWINGS OR APPROVED IN ADVANCE BY THE STRUCTURAL ENGINEER AND DSA.
11. PROVIDE SHOP DRAWINGS FOR ALL REINFORCING STEEL TO ARCHITECT FOR REVIEW AND APPROVAL PRIOR TO BEGINNING ANY FABRICATION. CONTRACTOR SHALL PREPARE AND SUBMIT CONCRETE MIX DESIGNS TO THE ARCHITECT FOR APPROVAL PRIOR TO PLACEMENT OF CONCRETE. CONCRETE MIX DESIGNS SHALL BE PER CBC SECTION 1905A.1 AND ACI 318-14 SECTION 24.2. A REGISTERED CIVIL ENGINEER WITH EXPERIENCE IN CONCRETE DESIGN SHALL SELECT AND VERIFY THE CONCRETE MIX DESIGN. INGREDIENTS TO BE USED AS BASIC PROPORTIONS OF THE CONCRETE MIXES PROPOSED FOR USE UNDER THIS PROVISION AND TESTING SHALL BE PERFORMED IN A LABORATORY ACCEPTABLE TO THE ENFORCEMENT AGENCY. ALL GROUT SHALL BE NONMETALLIC NON-SHRINK HIGH STRENGTH GROUT BY MASTER BUILDERS OR EQUIVALENT AS APPROVED BY THE ARCHITECT. UTILIZE PRODUCTS RECOMMENDED BY THE MANUFACTURER FOR EACH APPLICATION AND INSTALL PER MANUFACTURER'S RECOMMENDATIONS.
12. REINFORCING AND EMBEDMENT ITEMS SHALL BE FREE OF EXCESSIVE SCALE OR RUST, DIRT, GREASE, OIL OR ANY OTHER SUBSTANCE THAT WILL IMPAIR BOND WITH CONCRETE.
13. OWNER SHALL PROVIDE INSPECTIONS IN ACCORDANCE WITH COR TITLE 24 FOR THE PLACEMENT OF CONCRETE AND CONCRETE REINFORCEMENT; FOR BOLTS INSTALLED IN CONCRETE AND FOR SAMPLING CONCRETE. OWNER'S INSPECTOR SHALL PROVIDE INSPECTION REPORTS TO THE ARCHITECT AND THE DIVISION OF THE STATE ARCHITECT.
14. ADDITIONALLY, PROVIDE TESTS AND INSPECTIONS IN ACCORDANCE WITH TITLE 24, PART 2, SECTION 1813A, A PLACING RECORD SHALL BE MAINTAINED FOR ALL CONCRETE PLACED IN THE STRUCTURE.
15. BATCH PLANT INJECTION, CEMENT AND REINFORCING TESTS ARE NOT REQUIRED FOR SINGLE-STORY LIGHT-FRAME BUILDINGS AND ISOLATED FOUNDATIONS SUPPORTING EQUIPMENT ONLY, WHERE THE SPECIFIED COMPRESSIVE STRENGTH FC OF THE CONCRETE DELIVERED TO THE JOBSITE IS 3,500 PSI (24.13 MPa) AND WHERE THE FC USED IN THE DESIGN IS NOT GREATER THAN 3,000 PSI (20.68 MPa). THE QUANTITIES OF CONCRETE MATERIALS SHALL BE CERTIFIED BY A LICENSED WEIGHMASTER AND THE QUALITY OF MATERIALS SHALL BE VERIFIED BY THE OWNER'S TESTING AGENCY.
16. QUALIFIED TECHNICIAN OF THE TESTING LABORATORY SHALL CHECK THE FIRST BATCH AT THE START OF THE DAY.
17. LICENSED WEIGHMASTER TO POSITIVELY IDENTIFY MATERIALS AS TO QUANTITY AND CERTIFY TO EACH LOAD BY A BATCH TICKET.
18. BATCH TICKETS, INCLUDING ACTUAL MATERIAL QUANTITIES AND WEIGHTS SHALL ACCOMPANY THE LOAD AND SHALL BE TRANSMITTED TO THE INSPECTOR OF RECORD BY A TRUCK DRIVER WITH LOAD IDENTIFIED THEREON. THE LOAD SHALL NOT BE PLACED WITHOUT A BATCH TICKET IDENTIFYING THE MIX. THE INSPECTOR WILL KEEP A DAILY RECORD OF PLACEMENTS, IDENTIFYING EACH TRUCK, ITS LOAD, TIME OF RECEIPT AND APPROXIMATE LOCATION OF DEPOSIT AND WILL TRANSMIT TO THE ARCHITECT A COPY OF THE DAILY RECORD TO THE ENFORCEMENT AGENCY.
19. COMPLY WITH ALL REQUIREMENTS OF TITLE 24, PART 2, SECTIONS 1705A.3.2.
20. ALL CONCRETE WORK SHALL BE FORMED, CASTING OF FOUNDATION CONCRETE AGAINST SIDES OF FOOTING EXCAVATIONS SHALL NOT BE ALLOWED EXCEPT AS SPECIFICALLY APPROVED BY ARCHITECT, STRUCTURAL ENGINEER AND THE DIVISION OF THE STATE ARCHITECT.
21. MAX CONC SLUMP TO BE 4"±1"

CONCRETE FOUNDATION:

- 1. FOUNDATION BEARING SHALL BE AS APPROVED BY THE DIVISION OF THE STATE ARCHITECT AND THE OWNER'S ARCHITECT. IT IS THE SCHOOL DISTRICT'S RESPONSIBILITY TO PROVIDE ADEQUATE BEARING TO DEVELOP THE ALLOWABLE BEARING PRESSURE NOTED BELOW.
2. CONCRETE FOUNDATIONS ARE DESIGNED FOR A MAXIMUM DEAD PLUS LIVE LOAD ALLOWABLE SOIL BEARING PRESSURE OF 1500 PSF PER TITLE 24, TABLE 1804.2.
3. THE BOTTOM OF ALL FOOTINGS SHALL BE LEVEL. CHANGES IN FOOTING ELEVATIONS SHALL BE MADE UTILIZING THE TYPICAL FOOTING STEP DETAILS ON THESE DRAWINGS.
4. CENTER FOOTINGS UNDER WALLS OR COLUMNS UNLESS OTHERWISE INDICATED ON THESE DRAWINGS.
5. PROVIDE PROPER GRADING OF SITE SUCH THAT WATER DOES NOT POND OR OTHERWISE COLLECT UNDER THE BUILDING.
6. FOUNDATIONS ARE DESIGNED AS PERMANENT FOUNDATIONS IN ACCORDANCE WITH TITLE 24, PART 2, SECTION 1804.2.
A. ALL BUILDINGS, PERMANENT OR OTHER RELOCATABLE, ADJACENT TO THESE RELOCATABLE BUILDINGS MUST BE SEPARATED FROM THESE RELOCATABLE BUILDINGS. SEE COVER SHEET FOR MINIMUM SEPARATION REQUIRED.

STRUCTURAL STEEL:

- 1. NOT USED
2. NOT USED
3. NOT USED
4. ALL WELDING SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF THE CALIFORNIA BUILDING CODE (CBC) AND THE STRUCTURAL WELDING CODE - STEEL, AWS D1.1, 2010 EDITION OF THE AMERICAN WELDING SOCIETY. WELDING DONE BY SHIELDING ELECTRIC-ARC OR FLUX-CORED PROCESS COMPLYING WITH AWS.
5. FABRICATION AND ERECTION OF STRUCTURAL AND MISCELLANEOUS STEEL SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF THE 14TH EDITION OF THE SPECIFICATION FOR STRUCTURAL STEEL BUILDINGS OF THE AMERICAN INSTITUTE OF STEEL CONSTRUCTION (AISC) (CBC CHAPTER 22A). ALSO COMPLY WITH REQUIREMENTS OF THE AISC CODE OF STANDARD PRACTICE FOR STEEL BUILDINGS AND BRIDGES. TEMPORARY BRACING IS REQUIRED AS NEEDED UNTIL ALL ELEMENTS SHOWN ON STRUCTURAL DRAWINGS ARE IN PLACE.
6. PRIME ALL STEEL SURFACES WITH AN APPROVED PRIMER, EXCEPT SURFACES TO BE EMBEDDED IN CONCRETE AND SURFACES TO RECEIVE FIELD WELDS. TOUCH-UP FIELD WELDS AND OTHER EXPOSED STEEL SURFACES AFTER ERECTION. ALTERNATE: PROVIDE GALVANIZED PER ASTM A-123.
7. METAL STUDS AND OR JOISTS SHALL BE IDENTIFIED PER SECTION 2203A.
8. WELDING SHOULD BE IN ACCORDANCE WITH COR TITLE 24, PART 2, SECTION 1705A.2. ALL STEEL SHALL BE PROPERLY IDENTIFIED PER SECTION 2203A.
9. ALE WELDS USED IN PRIMARY MEMBERS AND CONNECTIONS IN THE LATERAL FORCE-RESISTING SYSTEM SHALL BE MADE WITH A FILLER METAL THAT HAS A MINIMUM CHAMPY V-NOTCH TOUGHNESS OF 20 ft-lbs at 0 DEGREES F, AS REQ. BY SEC 2212A.2.3.
10. QUALIFIED AND CERTIFIED WELDERS SHALL BE USED FOR ALL WELDING. ALL WELDING TO CONFORM TO THE 2010 EDITION OF THE AMERICAN WELDING SOCIETY STRUCTURAL WELDING CODE AWS D1.1.
11. MATERIALS:
ROLLED STRUCTURAL STEEL SHAPES ASTM A-992, GRADE 50
ASTM A36
ASTM A572 GRADE 50
ASTM A53 TYPE E OR S, GRADE B
AWS STRUCTURAL STEEL E70XX, REINFORCING STEEL E60XX
ASTM F-1554 GRADE 36
ASTM A-325
ASTM A-307
ASTM A-123
F1-645 ASTM
STEEL TUBING ASTM A-500 GRADE B (Fy = 46 KSI)

PAD FOUNDATIONS: (RESTRAINED)

- 1. FOUNDATION BEARING SHALL BE AS APPROVED BY THE DIVISION OF THE STATE ARCHITECT, AND THE OWNER'S ARCHITECT. IT IS THE SCHOOL DISTRICT'S RESPONSIBILITY TO PROVIDE ADEQUATE BEARING TO DEVELOP THE ALLOWABLE BEARING PRESSURE NOTED BELOW.
2. FOUNDATIONS ARE DESIGNED FOR A MAXIMUM DEAD PLUS LIVE LOAD ALLOWABLE SOIL BEARING PRESSURE OF 1000 PSF, AS PER IR 16-118.
3. THE BOTTOM OF ALL FOOTINGS SHALL BE LEVEL. CHANGES IN FOOTING ELEVATIONS SHALL BE MADE UTILIZING THE FOOTING SHIP DETAILS ON THESE DRAWINGS.
4. CENTER FOOTINGS UNDER WALLS OR COLUMNS UNLESS OTHERWISE INDICATED ON THESE DRAWINGS.
5. PROVIDE PROPER GRADING OF SITE SUCH THAT WATER DOES NOT POND OR OTHERWISE COLLECT UNDER THE BUILDING.
6. VERIFY THAT NO PIPES, UTILITIES, OR OTHER SUCH ITEMS OCCUR BELOW FOOTINGS.
7. FOUNDATIONS ARE DESIGNED AS "RESTRAINED FOUNDATION", IN ACCORDANCE WITH IR 16-118, SUBSTANDARD FOUNDATIONS.
a. ANCHOR FOOTINGS AT BUILDING PERIMETER WITH 1" HOT DIPPED GALVANIZED STANDARD WEIGHT STEEL PIPES DRIVEN FLUSH WITH TOP OF WOOD FOUNDATION PADS AND PENETRATING SOIL 12" MINIMUM AT A MAXIMUM SPACING OF 10'-0" OC AT SIDEWALLS AND 2'-0" FROM EACH CORNER IN BOTH DIRECTIONS.
b. CHAINS AND RAMPS SHALL BE PROPERLY ANCHORED TO BUILDING TO PREVENT SEPARATION.
c. ALL BUILDINGS, PERMANENT OR OTHER RELOCATABLE, ADJACENT TO THESE RELOCATABLE BUILDINGS MUST BE SEPARATED FROM THESE RELOCATABLE BUILDINGS BY 4 1/2" MINIMUM.
d. FINISH GRADES SHALL BE WITHIN MAX 18" BELOW BOTTOM OF FLOOR JOISTS WITHOUT EXCEPTION.
e. THE PLATE WHICH ATTACHES THE FLOOR BEAM TO THE WOOD FOUNDATION AND THAT IS EXPOSED TO THE WEATHER IS TO BE GALVANIZED. TEK SCREWS THAT ATTACH THE PLATE TO THE FLOOR BEAM ARE TO BE HOT-DIPPED GALVANIZED. ANCHOR BOLTS AND MECHANICAL EXPANSION ANCHORS WHICH ARE EXPOSED TO THE WEATHER ARE TO BE PAINTED WITH ZINC-BASED PAINT.
ACCEPTABLE FASTENERS / ICC REPORTS:
SHOT PIN THROUGH LIGHTWEIGHT CONCRETE. ICC REPORT #ESR-2269. ALTERNATE SHOT PIN #ESR-1752 SHOT PIN THROUGH LIGHT-GAUGE STEEL. ICC REPORT #ESR-2269. WOOD/METAL JAMB STUDS TO STEEL COLUMN. ICC REPORT #ESR-2269.
SELF-DRILLING SCREWS SECT 3.2.12 ASTM C1513
SELF-TAPPING SCREWS SECT 3.2.9 ASTM C1513
SELF-PIERCING SCREWS SECT 3.2.9 ASTM C1513
REFERENCE ASTM C1513, STANDARD SPECIFICATION FOR TAPPING SCREWS FOR COLD-FORMED STEEL FRAMING CONNECTION
REFERENCE AISI S213-07/51-09, NORTH AMERICAN STANDARD FOR COLD-FORMED STEEL FRAMING-LATERAL DESIGN
FASTENERS MANUFACTURED WITH CARBON STEEL WIRE SHALL CONFORM TO ASTM A510
TESTING - THE OPERATOR, TOOL, AND FASTENER SHALL BE PRE-QUALIFIED BY THE PROJECT INSPECTOR. OBSERVE THE TESTING OF THE FIRST 10 FASTENER INSTALLATIONS. A TEST "PASS" IS ONE OF NOT LESS THAN TWICE THE DESIGN LOAD SHALL BE APPLIED TO THE PIN IN SUCH A MANNER AS NOT TO RESIST THE SPALLING TENDENCY OF THE CONCRETE SURROUNDING THE PIN. THEREAFTER, RANDOM TEST UNDER THE PROJECT INSPECTOR'S SUPERVISION SHALL BE MADE OF APPROXIMATELY 10 IN 10 PINS. IF ANY PIN FAILS TESTING, TEST ALL PINS OF THE SAME CATEGORY NOT PREVIOUSLY TESTED UNTIL TESTY (20) CONSECUTIVE PASS, THEN RESUME THE INITIAL TESTING FREQUENCY.

COLD FORMED STRUCTURAL STEEL:

- 1. ALL LIGHT GAUGE METAL FRAMING SHALL BE THE TYPE, SIZE AND GAUGE AS SHOWN ON THE PLANS AND BE FABRICATED AND ERECTED IN ACCORDANCE WITH LATEST AISI SPECIFICATIONS.
2. ALL GALVANIZED STUDS, TRACKS, AND OR JOISTS 12, 14, AND 16 GAUGE SHALL CONFORM TO ASTM A653, S5 GRADE 50 (Fy = 50 KSI) AND ASTM A553, S5 GRADE 33 (Fy = 33 KSI) FOR 18 AND 20 GAUGE UNO.
3. CORROSION PROTECT PER TABLE A4-1 BELOW.
4. GALVANIZED COATINGS MUST MEET ASTM A-525 SPECIFICATIONS.
5. CARBON SHEET STEEL MUST MEET THE MINIMUM REQUIREMENTS OF ASTM A-1011 GRADE 40 KSI FOR 12, 14, AND 16 GAUGE AND GRADE 33 KSI FOR 18 GAUGE AND LIGHT MEMBERS UNO. CARBON SHEET STEEL PRODUCTS MUST BE THOROUGHLY COATED WITH A RUST INHIBITIVE PAINT.
6. ALL STRUCTURAL MEMBERS SHALL BE DESIGNED IN ACCORDANCE WITH AMERICAN IRON AND STEEL INSTITUTE (AISI) "SPECIFICATION FOR THE DESIGN OF COLD FORMED STEEL STRUCTURAL MEMBERS LATEST EDITION (AISI S100-12).
7. METAL STUDS AND OR JOIST:
A. FOR METAL STUD WALLS, UNLESS OTHERWISE SHOWN ON THE DRAWINGS, PROVIDE STANDARD PUNCHED STEEL MEMBERS OF THE GAUGES SHOWN ON THE DRAWINGS.
B. USE ONLY ONE TYPE THROUGHOUT THE WORK, UNLESS OTHERWISE NOTED ON THE DRAWINGS OR SPECIFICALLY APPROVED IN ADVANCE BY THE ARCHITECT/ENGINEER.
8. PROVIDE ALL ACCESSORIES INCLUDING, BUT NOT NECESSARILY LIMITED TO, TRACKS, CLIPS, WEB STIFFENERS, ANCHORS, FASTENING DEVICES, RESILIENT CLIPS AND OTHER ACCESSORIES REQUIRED FOR A COMPLETE AND PROPER INSTALLATION, AND AS RECOMMENDED BY THE MANUFACTURER FOR THE STEEL MEMBERS USED.
9. FASTENINGS OF COMPONENTS SHALL BE WITH SELF-DRILLING SCREWS OR WELDING SCREWS OR WELDS SHALL BE SUFFICIENT SIZE TO INSURE THE STRENGTH OF THE CONNECTION. ALL WELDS OF GALVANIZED STEEL SHALL BE TOUCHED UP WITH ZINC-RICH PAINT. ALL WELDS OF CARBON SHEET STEEL SHALL BE TOUCHED UP WITH PAINT.
10. ALL METAL STUDS SHALL BE BY SSMA APPROVED SUPPLIER, ICC ERS-3064P. ALTERNATE METAL STUDS MUST BE OF EQUAL OR GREATER SECTIONS.
11. PROVIDE SHOP DRAWINGS INDICATING MEMBERS GAUGES, SHAPES, SIZES, SPACING, LOCATIONS AND CONNECTIONS.
12. STUDS WITH THEIR BEARING ENDS POSITIONED FLUSH AGAINST THE INSIDE TRACK WEB.
13. FULL-HEIGHT DOUBLE STUDS SHALL BE PROVIDED AT THE ENDS OF PARTITIONS, AT ALL WALL OPENINGS, AND AT OTHER LOCATIONS SHOWN ON THE PLANS.
14. BRIDGING SHALL BE COLD FORMED CHANNEL, MINIMUM 1-1/2" DEEP WITH 9/16" FLANGE SPACED AT 4'-0" ON CENTER MAXIMUM VERTICALLY. DOUBLE UP STUDS AT ALL DOOR JAMBS, WALL ENDS AND WALL CORNERS.
15. SHEATHING SHALL BE ATTACHED TO BOTH FACES OF METAL STUDS THROUGHOUT THEIR LENGTH UNO.
16. TRACK AT TOP AND BOTTOM OF STUD WALLS SHALL AT A MINIMUM MATCH THE STUD GAUGE UNO.
17. ALL SHEET METAL SCREWS SHALL BE THREE-D FORMING OR THREAD CUTTING, WITH OR WITHOUT A SELF-DRILLING POINT PER AISI.
18. ALL WELDING OR MATERIAL, LESS THAN 0.18 INCHES IN THICKNESS SHALL BE MADE IN ACCORDANCE WITH THE AWS D1.3 WELDERS AND WELDING PROCEDURES AND SHALL BE QUALIFIED AS SPECIFIED IN AWS D1.3.
19. TOUCH UP COLD GALVANIZING USING ZRC CHEMICAL PRODUCTS CO.,M, ZRC COLD GALVANIZING COMPOUND OR EQUAL.
20. SPLICES IN STUDS SHALL NOT BE PERMITTED

A4 Corrosion Protection

A4.1 Structural members utilized in cold-formed steel framed construction shall have a protective coating as specified in Table A4-1.

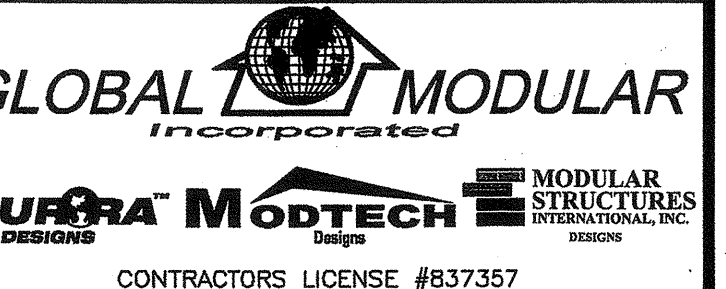
Table A4-1 Coating Designations

Table with 4 columns: Coating Classification, Coating Designator, Minimum Coating Requirements (Zinc Content, Zinc base, Zn-Al, Zn, Zn-Al, Zn-Al), and Equivalent. Includes rows for Metallic Coated and Painted Metallic.

For Canadian Structural members utilized in cold-formed steel framed construction shall have a metallic coating of A0 (Z180) complying with the requirements of ASTM A653/A593, or A220 (AZ150) complying with the requirements of ASTM A792/A792M.

A4.2 Additional corrosion protection shall not be required on edges of metallic-coated steel framing members, shop or field cut, punched or drilled.
A4.3 Unless additional corrosion protection is provided, framing members shall be located within the building envelope and shielded from direct contact with moisture from the ground or the outdoor climate.

PROJECT SPECIFIC STATE AGENCY APPROVAL



CONTRACTORS LICENSE #837357
NORTHERN CALIFORNIA DIVISION 1800 CHICAGO AVE., SUITE #A-21 CHOWCHILLA, CA 93610
PHONE: (559) 865-8800 FAX: (559) 865-8700 WEBSITE: WWW.GDMOJ.NET

SOUTHERN CALIFORNIA DIVISION 1800 CHICAGO AVE., SUITE #A-21 RIVERSIDE, CA 92507
PHONE: (951) 885-3433 FAX: (951) 885-3482 WEBSITE: WWW.AURORA-STRUC.COM

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PROJECT NAME:

SHEET TITLE:

STRUCTURAL NOTES AND SPECIFICATIONS

MFR. STRUCTURAL ENGINEER OF RECORD ON PC

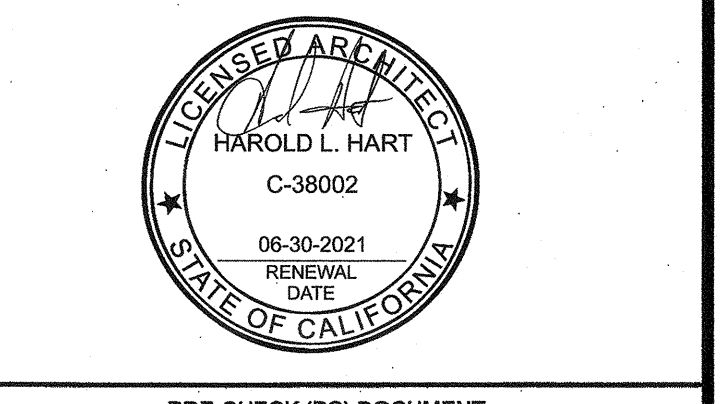


DATE SIGNED:

DEC 11 2018

MFR. PROJECT SPECIFIC PROFESSIONAL OF RECORD

ARCHITECT OF RECORD



PRE-CHECK (PC) DOCUMENT CODE: 2018-CR

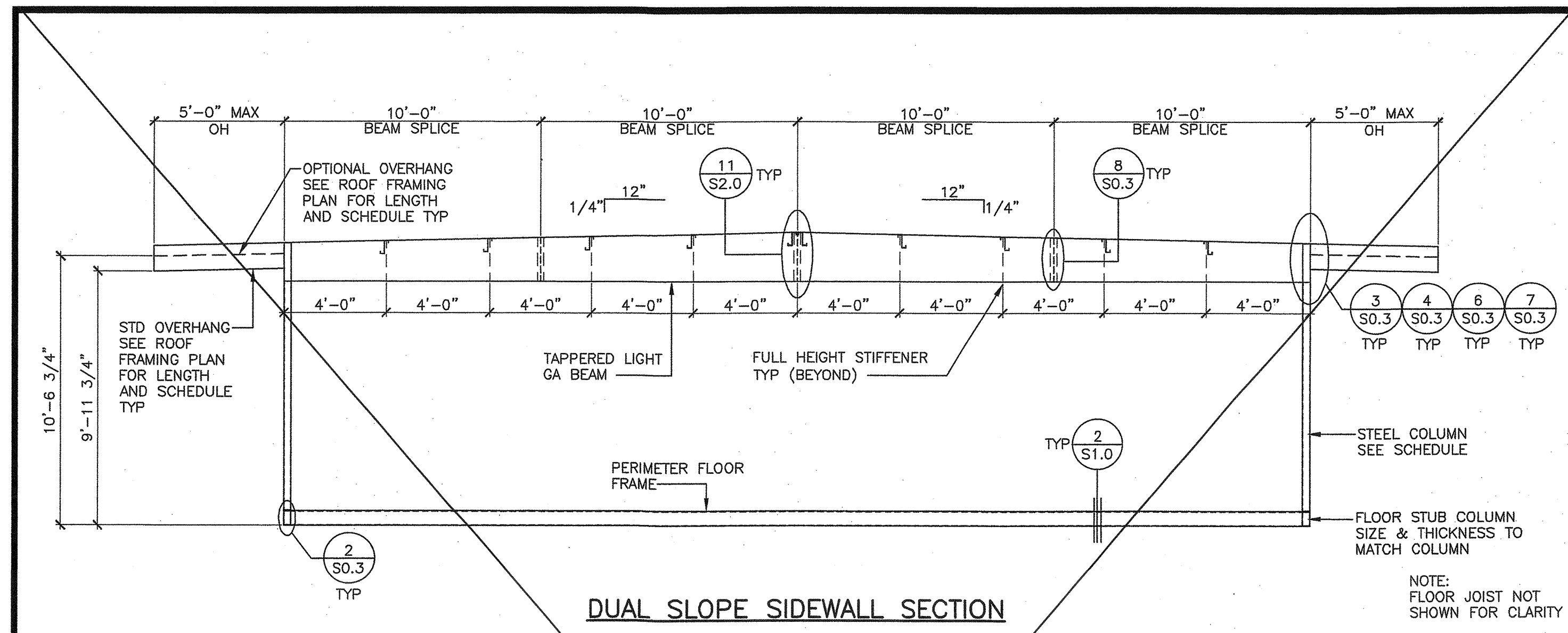
A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRED

Identification Stamp: PC 02-116677, Date: DEC 14 2018

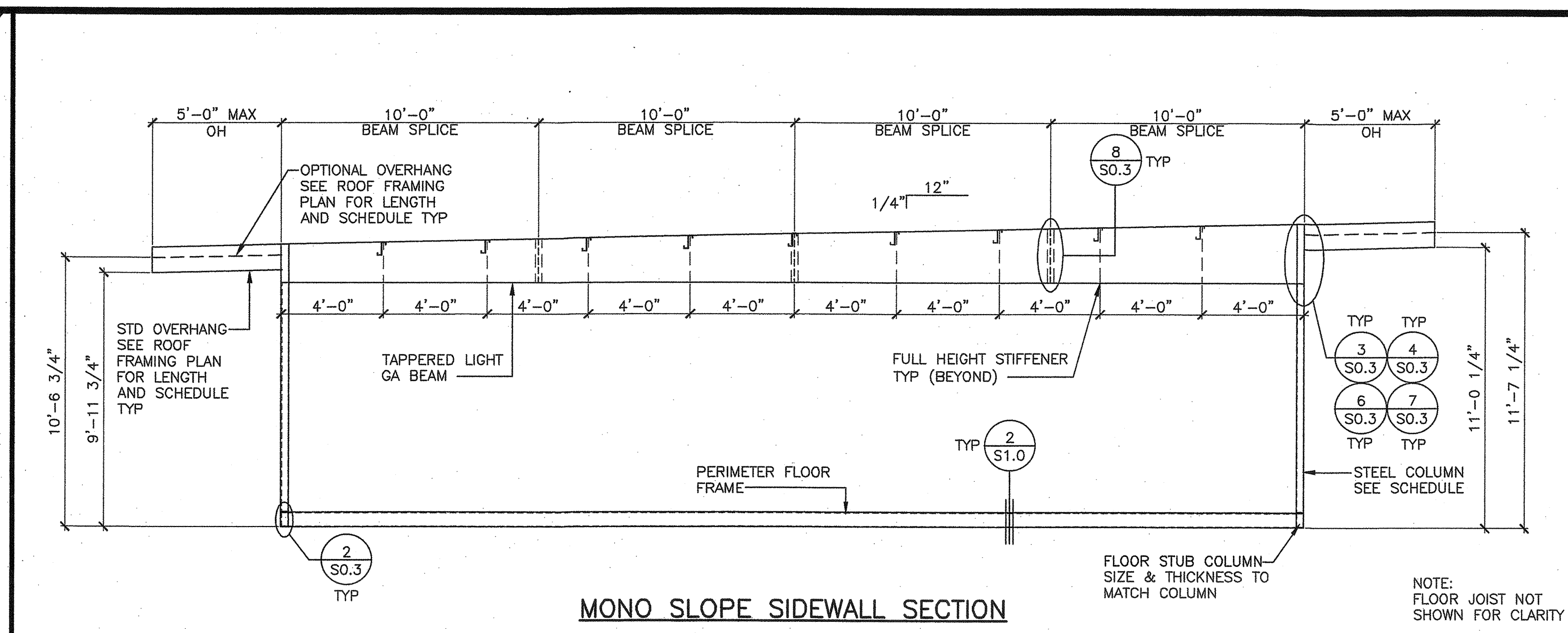
REVISIONS

Table with 2 columns: PROJECT NO. (00-0000), DRAWN BY (00), SCALE (AS NOTED), DATE (00-00-00), SHEET NUMBER.

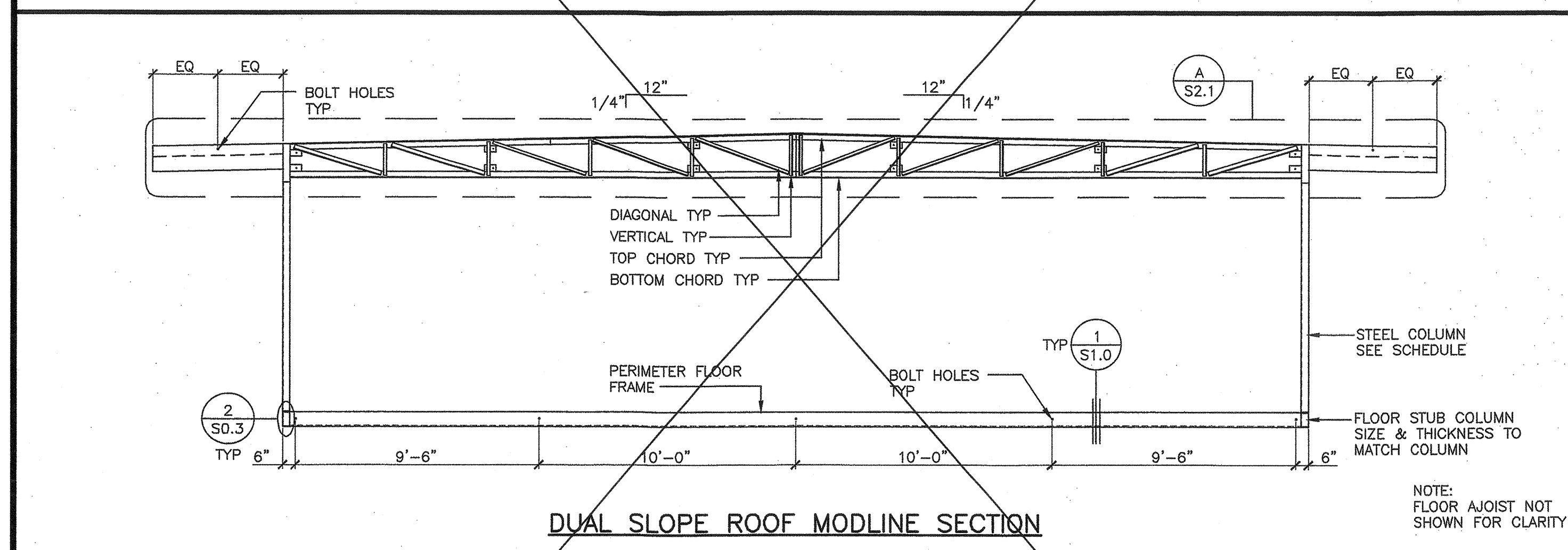
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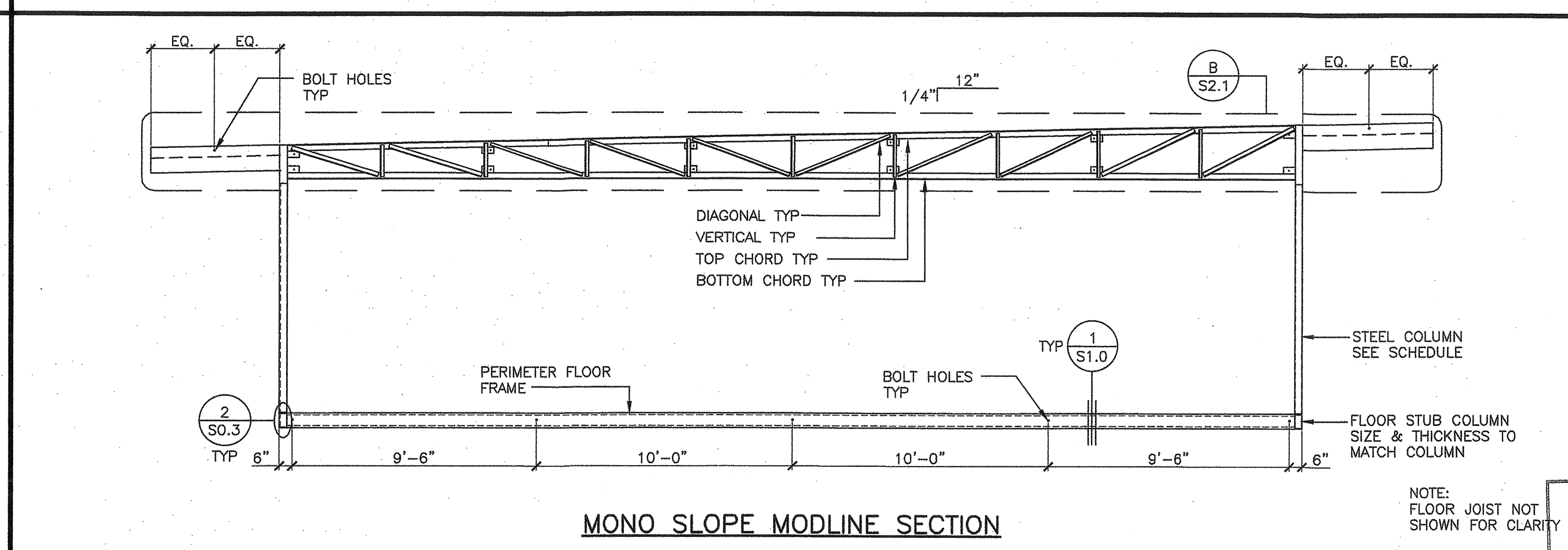
DUAL SLOPE SIDEWALL SECTION



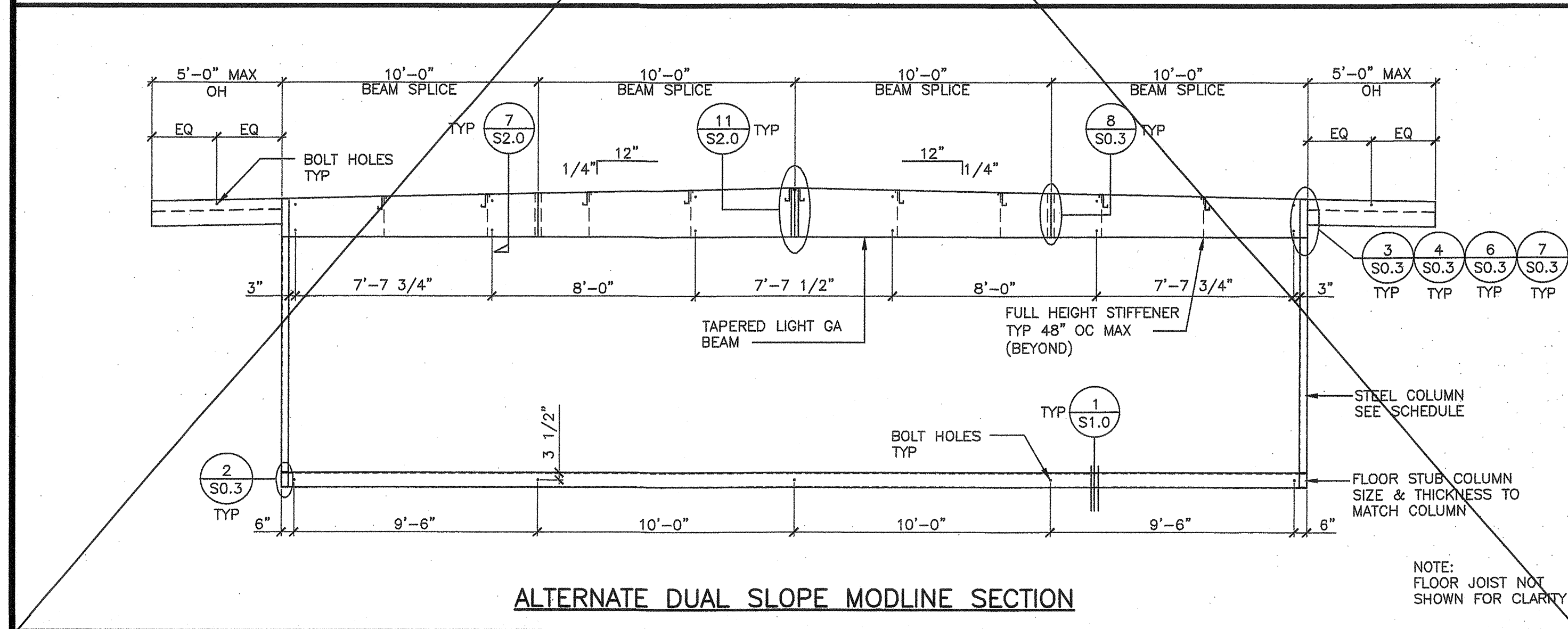
MONO SLOPE SIDEWALL SECTION



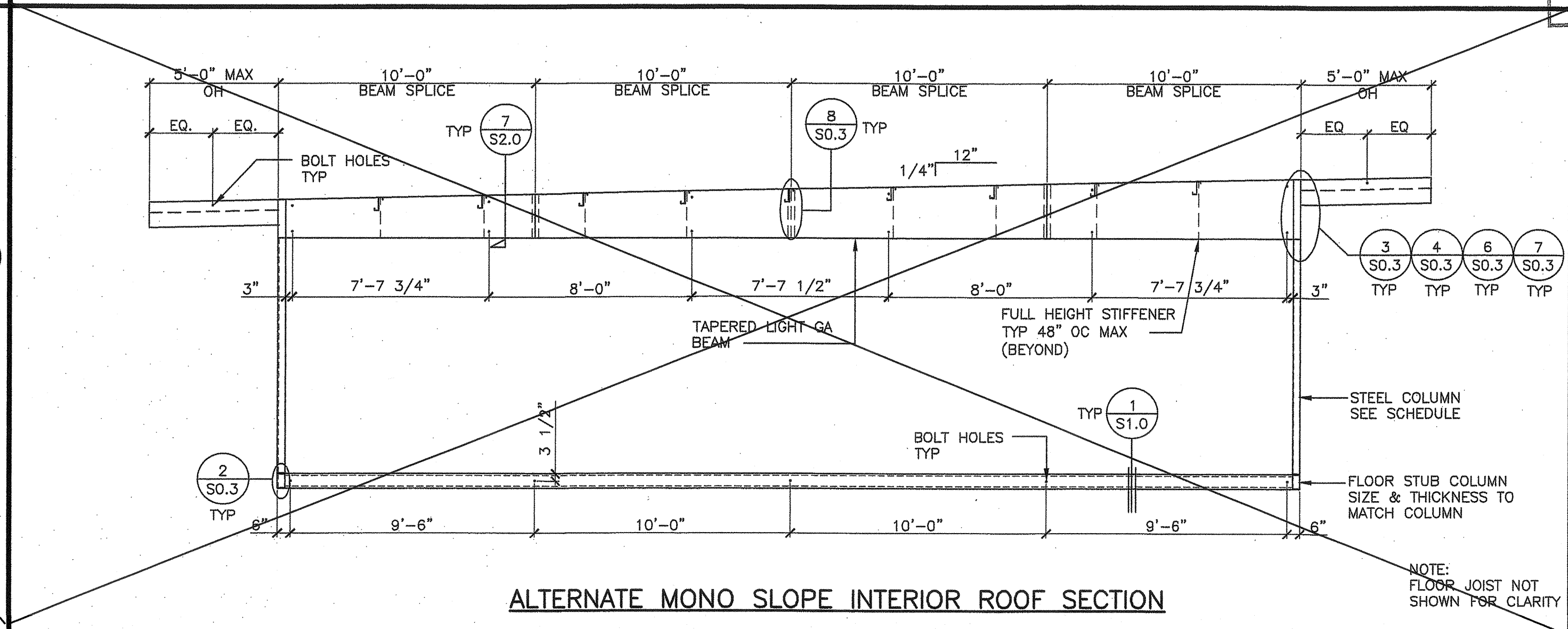
DUAL SLOPE ROOF MODLINE SECTION



MONO SLOPE ROOF MODLINE SECTION



ALTERNATE DUAL SLOPE INTERIOR ROOF SECTION



ALTERNATE MONO SLOPE INTERIOR ROOF SECTION

**STEEL COLUMNS**

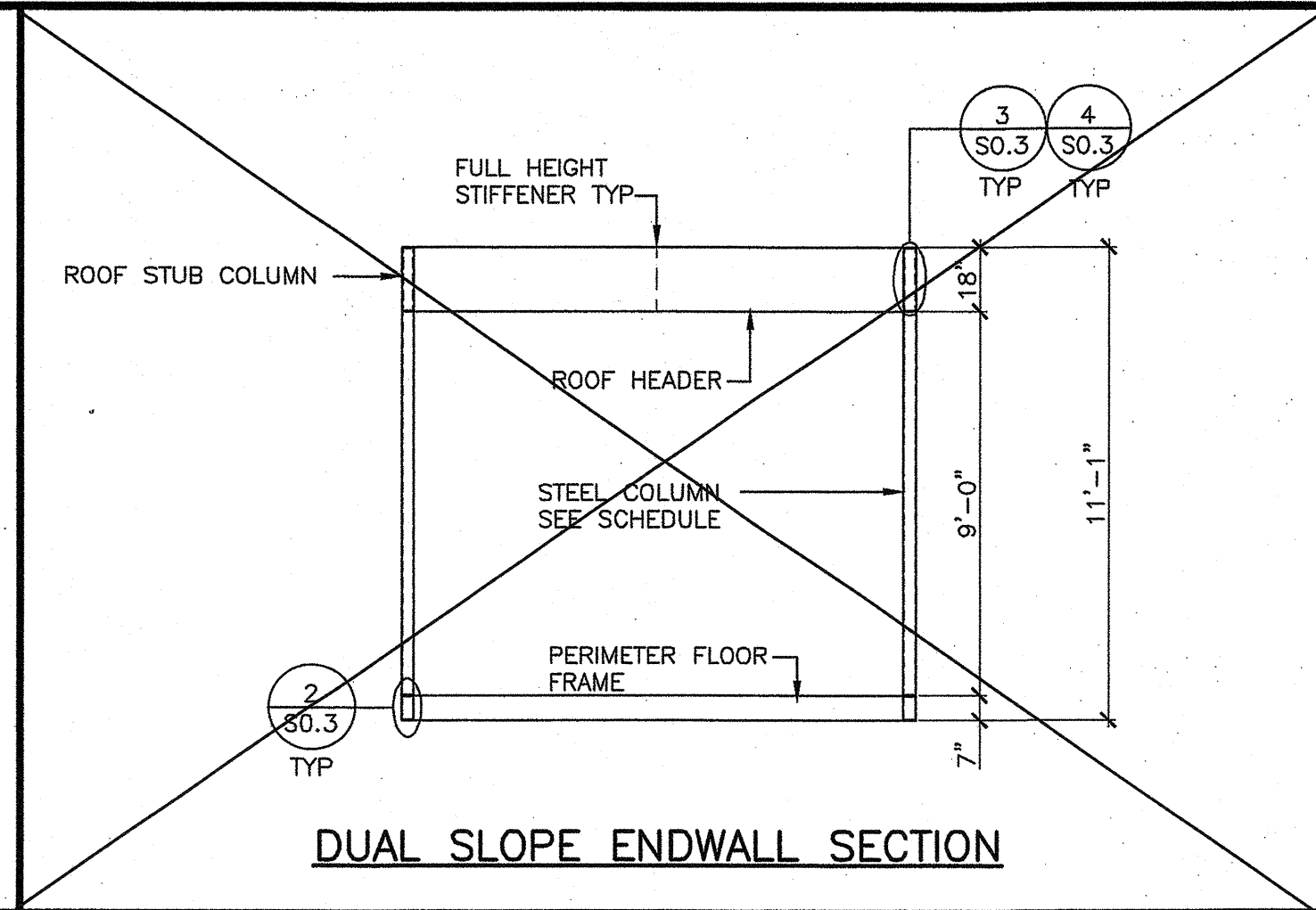
CORNER COLUMNS: 4"x4"x3/8"

MIDSPAN COLUMN @ SIDEWALL: N/A

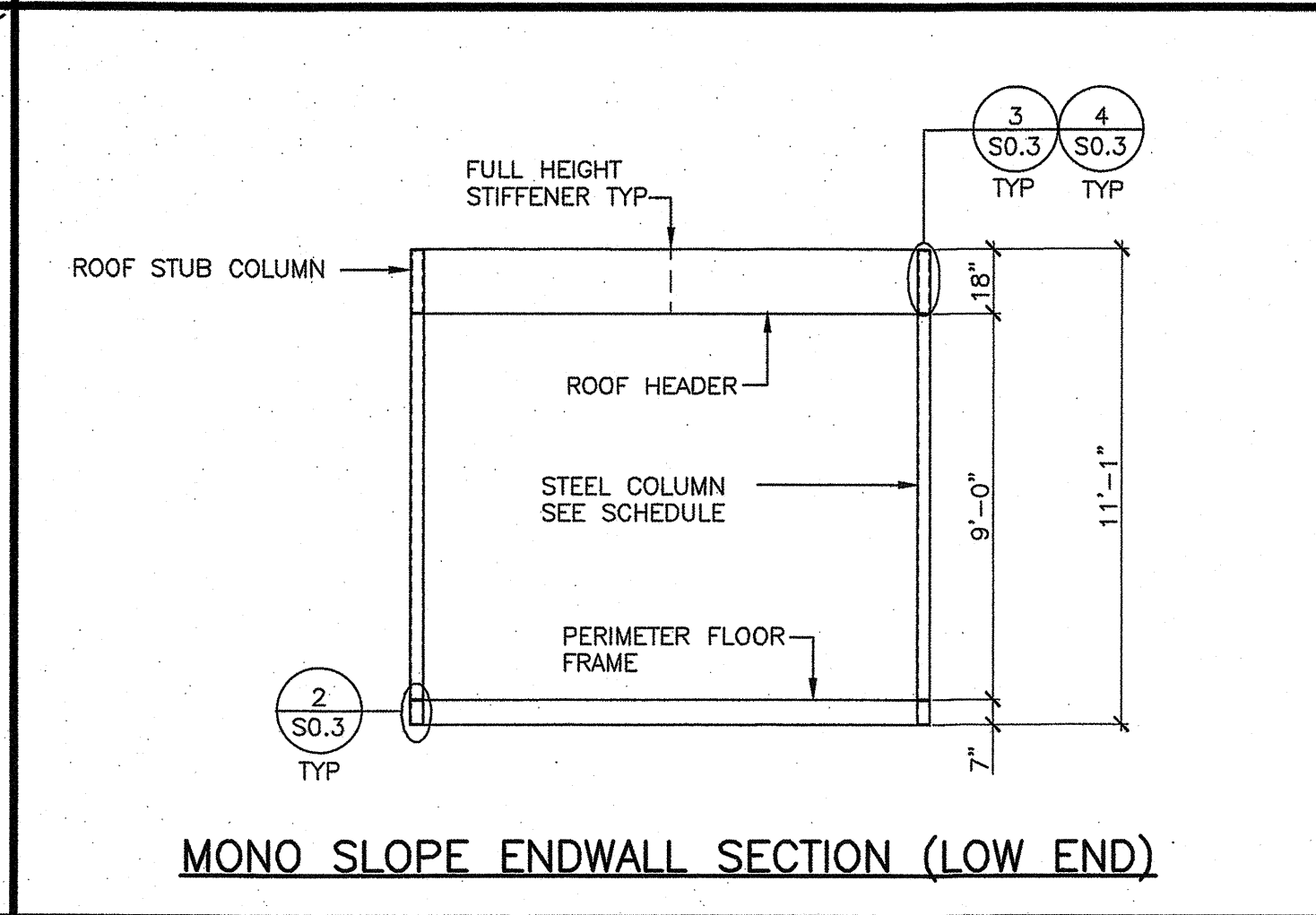
REFERENCE: FRAME SECTION SHEETS

NOTE: (NOTE: THE STEEL POST HEIGHT IS FROM TOP OF FLOOR BM TO BTM OF SIDEWALL BEAM/HEADER)

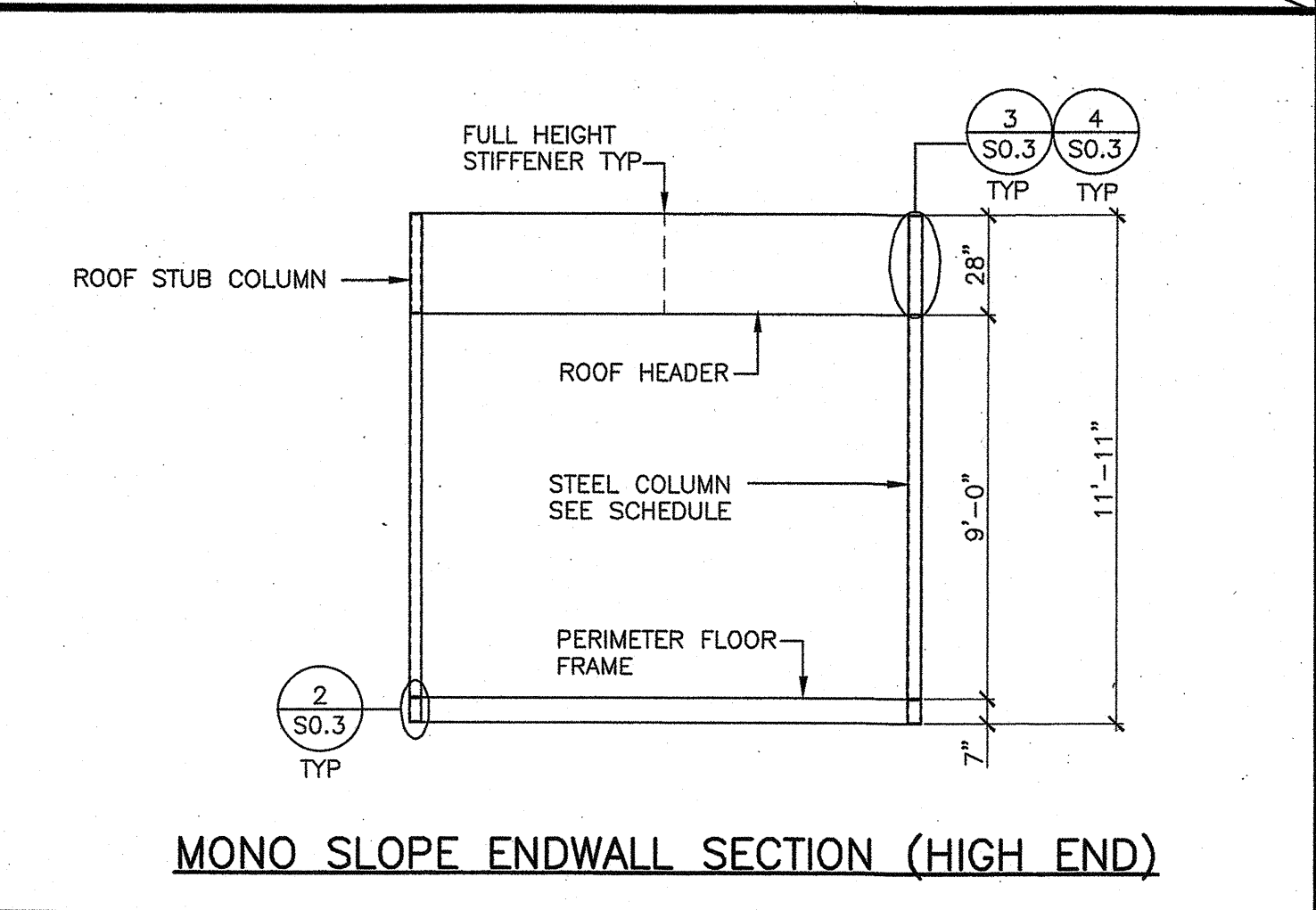
COLUMN SCHEDULE



DUAL SLOPE ENDWALL SECTION



MONO SLOPE ENDWALL SECTION (LOW END)



MONO SLOPE ENDWALL SECTION (HIGH END)

PROJECT SPECIFIC STATE AGENCY APPROVAL

IDENTIFICATION STAMP  
DIV. OF THE STATE ARCHITECT  
APP03 120280  
AC / PLS / SS  
DATE: OCT 13 2018

**GLOBAL MODULAR**  
INCORPORATED  
**AURORA MODTECH**  
MODULAR STRUCTURES  
CONTRACTORS LICENSE #837357

NORTHERN CALIFORNIA DIVISION 1200 AIRPORT DRIVE CHOWCHILLA, CA 93810 PHONE: (509) 886-3600 FAX: (509) 886-3633 WEBSITE: WWW.GMOD.NET

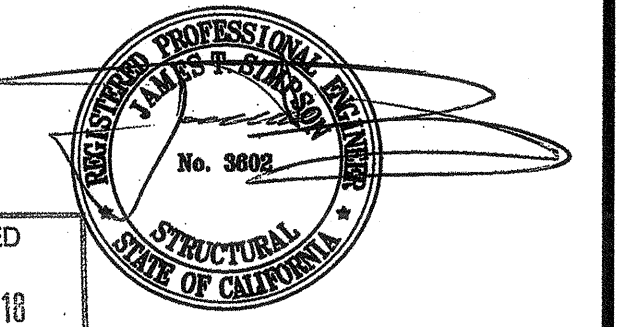
SOUTHERN CALIFORNIA DIVISION 1800 CHICAGO AVE., SUITE #M-21 RIVERSIDE, CA 92507 PHONE: (951) 886-3633 FAX: (951) 886-3682 WEBSITE: WWW.GMOD.NET

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PROJECT NAME:

SHEET TITLE:  
**BUILDING SECTIONS  
PLYWOOD FLOOR**

MFR. STRUCTURAL ENGINEER OF RECORD ON PC



DATE SIGNED  
DEC 11 2018

MFR. PROJECT SPECIFIC PROFESSIONAL OF RECORD



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

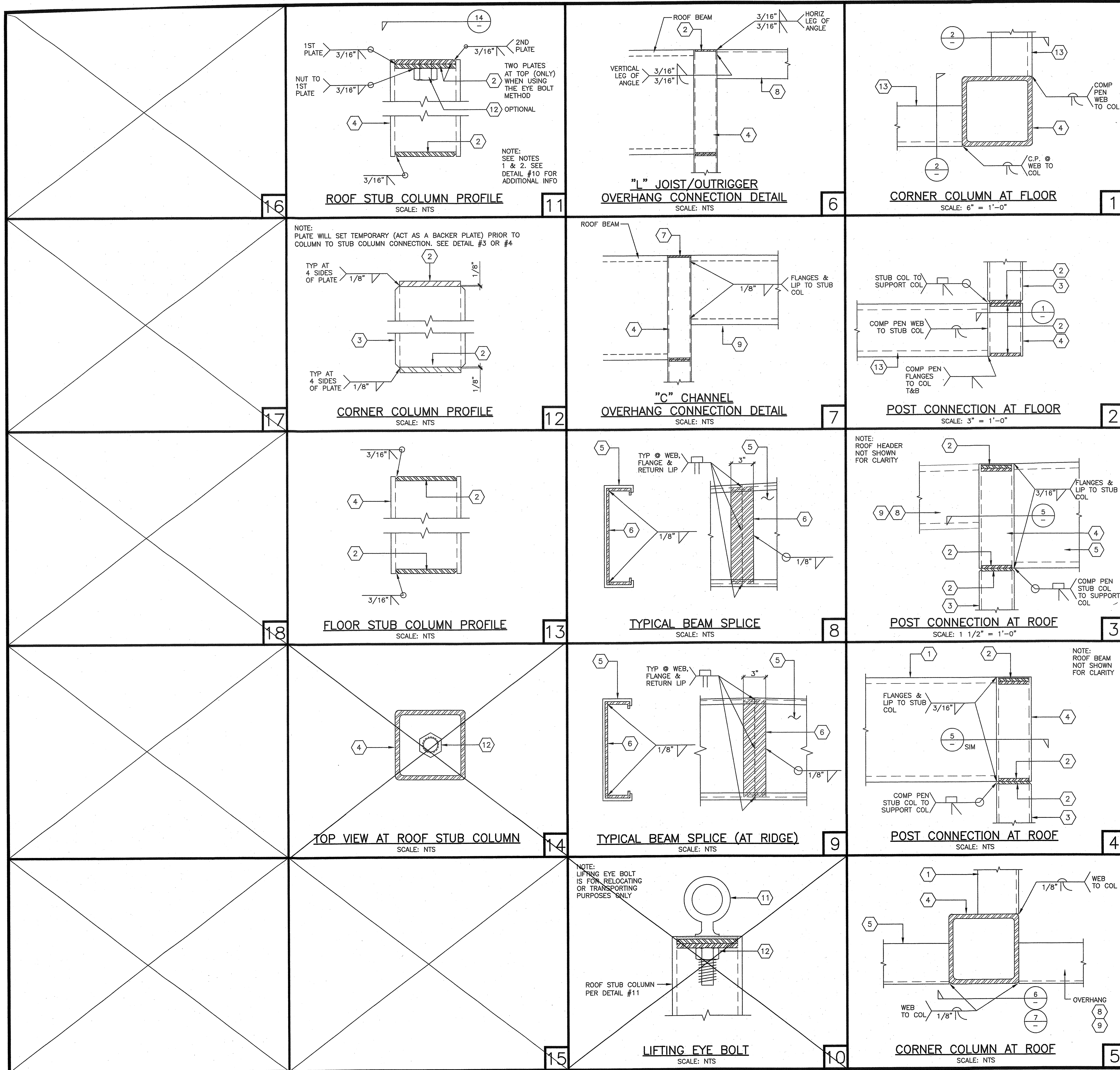
IDENTIFICATION STAMP  
DIV. OF THE STATE ARCHITECT  
PC 02-116677  
DATE: DEC 14 2018

REVISIONS


PROJECT NO.: 00-0000  
DRAWN BY: 00  
SCALE: AS NOTED  
DATE: 00-00-00

SHEET NUMBER

**S0.1**



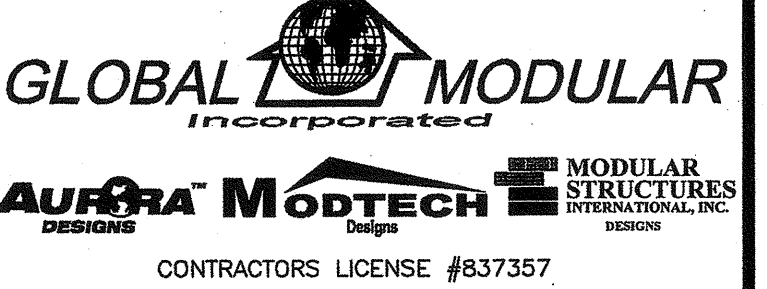
**KEY NOTES**

1. ROOF HEADER/BEAM (SEE STRUCTURAL ROOF FRAMING PLAN)
2. PLATE FITTED INSIDE COLUMN AND WELDED IN PLACE. THICKNESS OF PLATE TO MATCH THE THICKNESS OF THE COLUMN.
3. COLUMN (SEE DETAIL #12)
4. STUB COLUMN, SAME SIZE AND THICKNESS AS COLUMN SEE DETAIL #11 (FOR ROOF) AND DETAIL #13 (FLOOR)
5. TAPERED ROOF BEAM (SEE STRUCTURAL ROOF FRAMING PLAN)
6. 10 GA BACK-UP PLATE FOR BEAM SPLICE
7. NOT USED.
8. OVERHANG ANGLE MEMBER (SEE DETAIL 6)
9. OVERHANG C-CHANNEL MEMBER (SEE DETAIL 7)
10. 1/4" FULL DEPTH STIFFENER INSIDE SPLICE LOCATIONS AT ROOF BEAM
11. LIFTING EYE BOLT
12. LIFTING EYE BOLT NUT
13. FLOOR BEAM (SEE STRUCTURAL FLOOR FRAMING PLAN)

**GENERAL NOTES**

1. DRILL HOLES AT PLATES FOR THE LIFTING EYE BOLT SCREW
2. INSTALL LIFTING EYE BOLT NUT TO 1ST PLATES PRIOR TO INSTALLING THE PLATE INSIDE THE COLUMN

PROJECT SPECIFIC STATE AGENCY APPROVAL

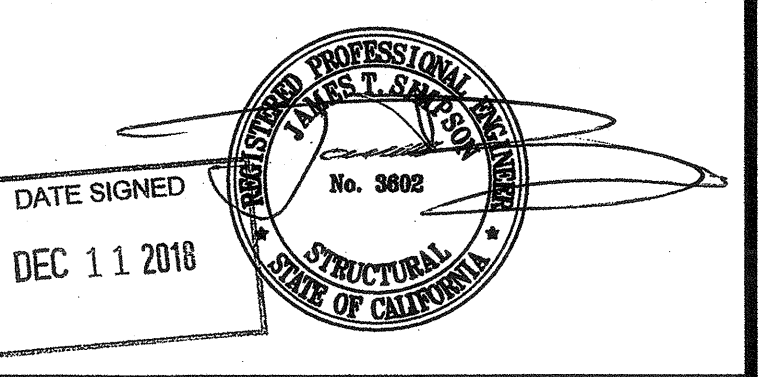


CONTRACTORS LICENSE #837357  
 NORTHERN CALIFORNIA DIVISION 1200 AIRPORT DRIVE CHICOHUILA, CA 93610  
 PHONE: (562) 665-5820 FAX: (562) 665-5700 WEBSITE: WWW.GOMI.NET  
 SOUTHERN CALIFORNIA DIVISION 1560 CHAGGO AVE. SUITE #N-21 RIVERSIDE, CA 92507  
 PHONE: (951) 686-3633 FAX: (951) 686-3662 WEBSITE: WWW.GOMI.NET

PROJECT NAME:  
 SHEET TITLE:

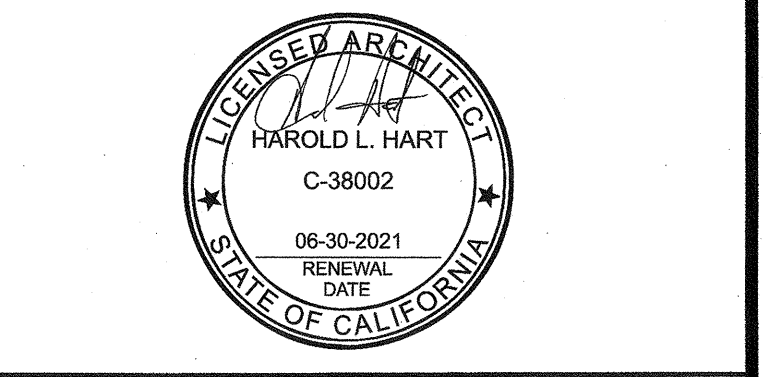
**TYPICAL STRUCTURAL DETAILS**

MFR. STRUCTURAL ENGINEER OF RECORD ON PC

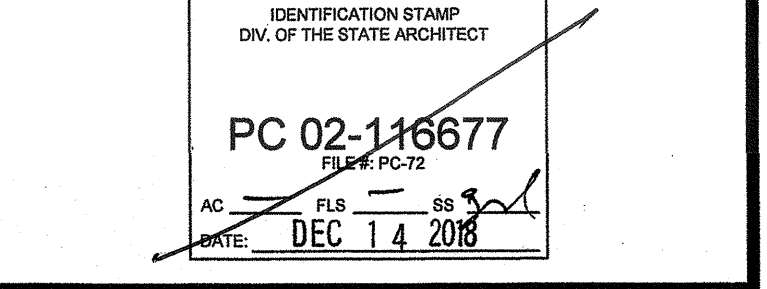


MFR. PROJECT SPECIFIC PROFESSIONAL OF RECORD

ARCHITECT OF RECORD



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



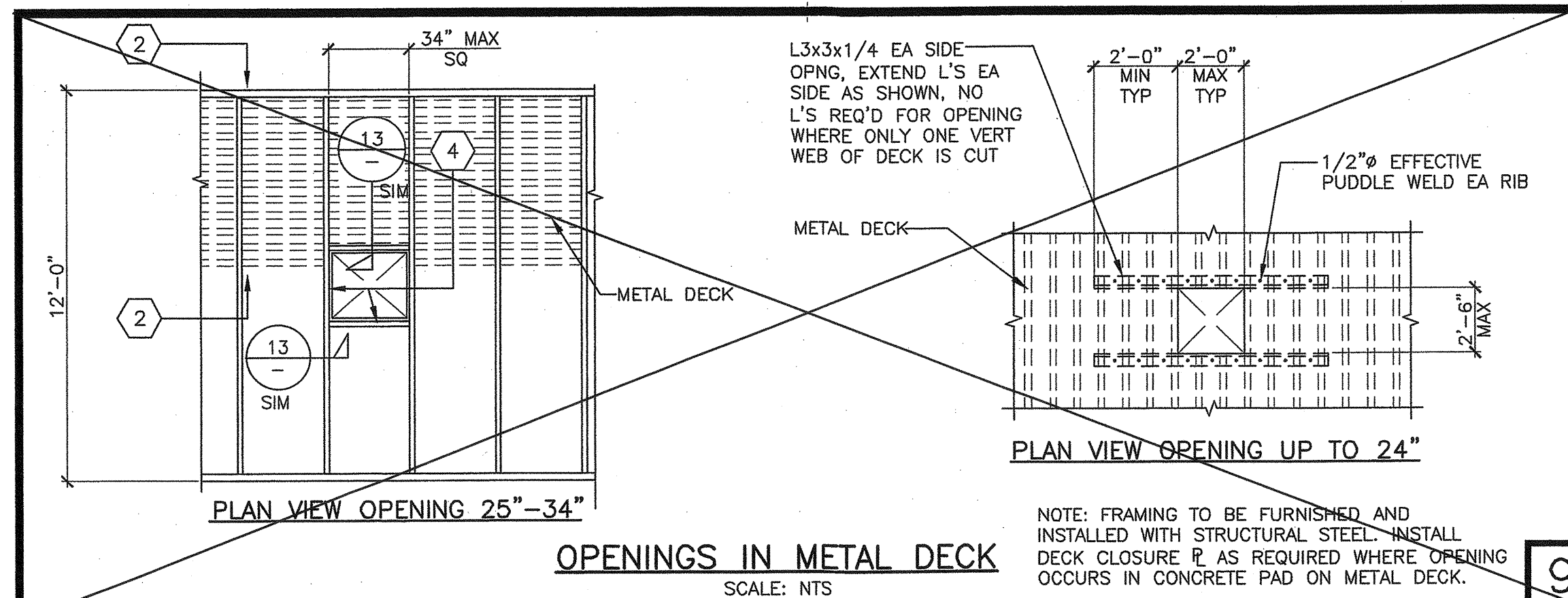
**REVISIONS**

NO.	DESCRIPTION

PROJECT NO.: 00-0000  
 DRAWN BY: 00  
 SCALE: AS NOTED  
 DATE: 00-00-00

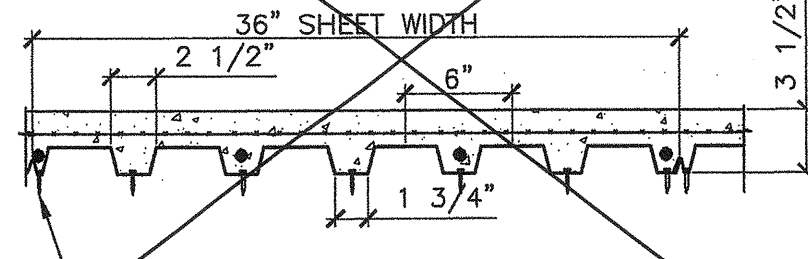
SHEET NUMBER  
**S0.3**

IDENTIFICATION STAMP  
 DIV. OF THE STATE ARCHITECT  
 APP03 1 3 0 9 8 0  
 AC / FLS / SS / DATE: OCT 0 3 2018

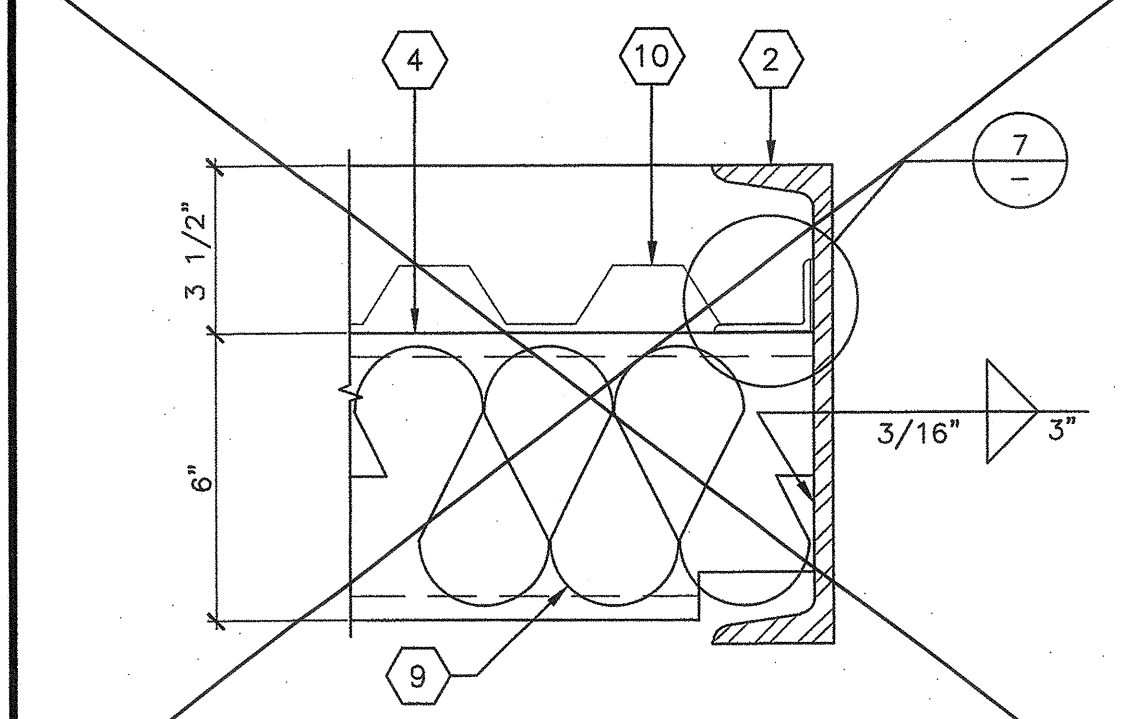


**OPENINGS IN METAL DECK**  
SCALE: NTS

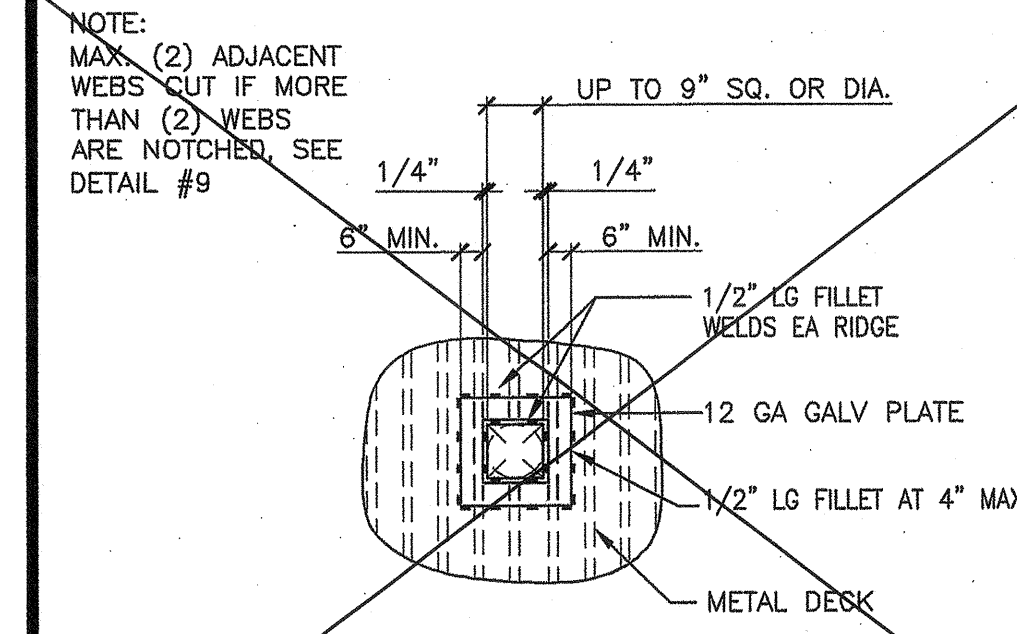
METAL FLOOR DECKING	
METAL DECK MIN SECTION PROPERTIES & DATA	
DECK DEPTH	1 1/2"
GAUGE	20
MOMENT OF INERTIA, I (IN <sup>4</sup> )	0.213
SECTION MODULUS S (+) (IN <sup>3</sup> )	0.250
S (-) (IN <sup>3</sup> )	0.237
FINISH	GALVANIZED



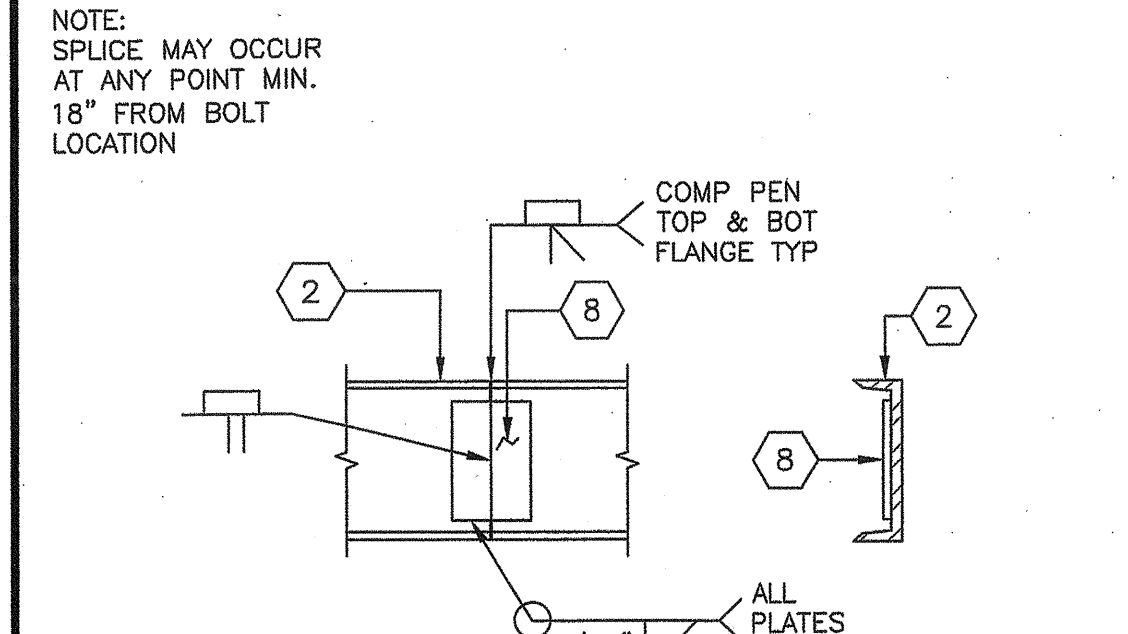
**METAL FLOOR DECKING**  
SCALE: NTS



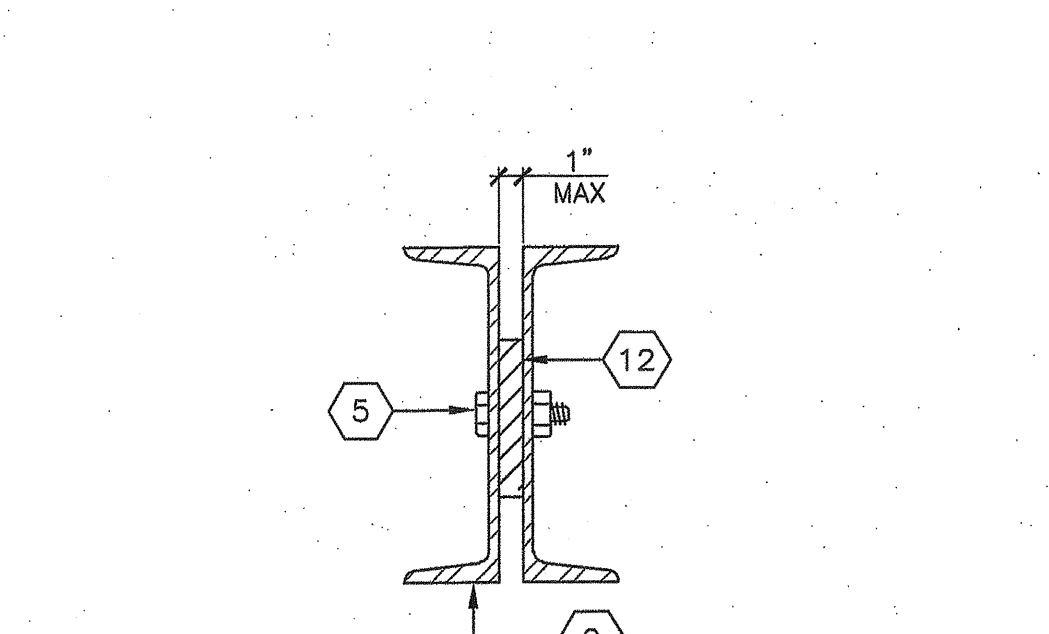
**FLOOR JOIST TO CHANNEL (CONCRETE)**  
SCALE: 3\"/>



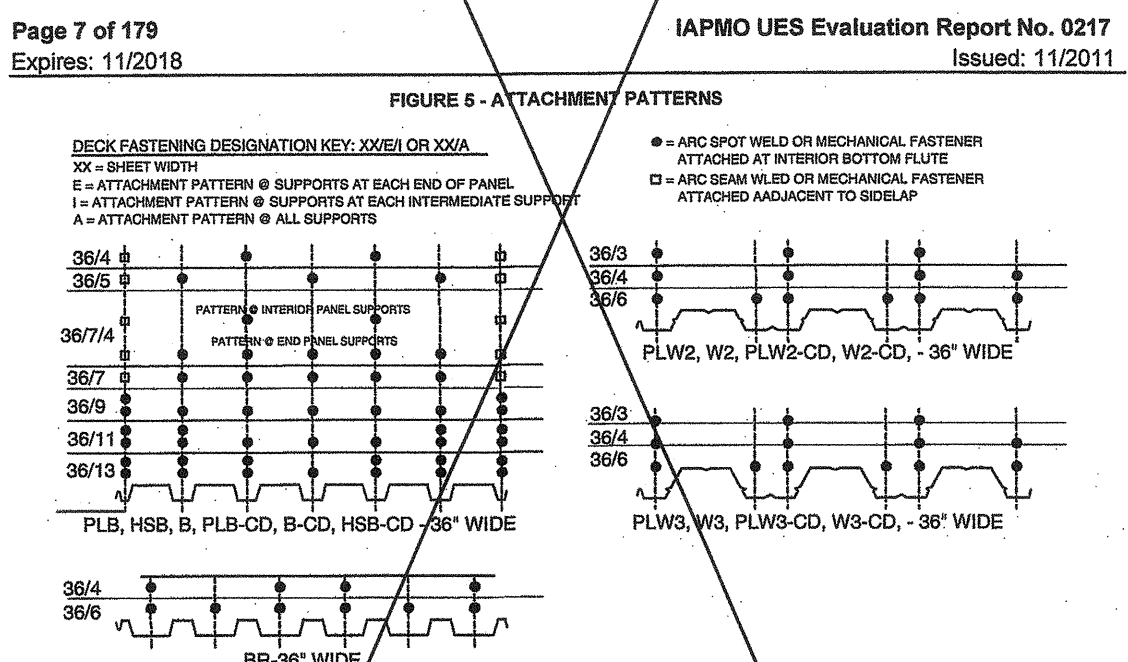
**TYPICAL SMALL REINFORCED DECK OPENING UP TO 9\"/>**



**CHANNEL SPLICE**  
SCALE: 1 1/2\"/>

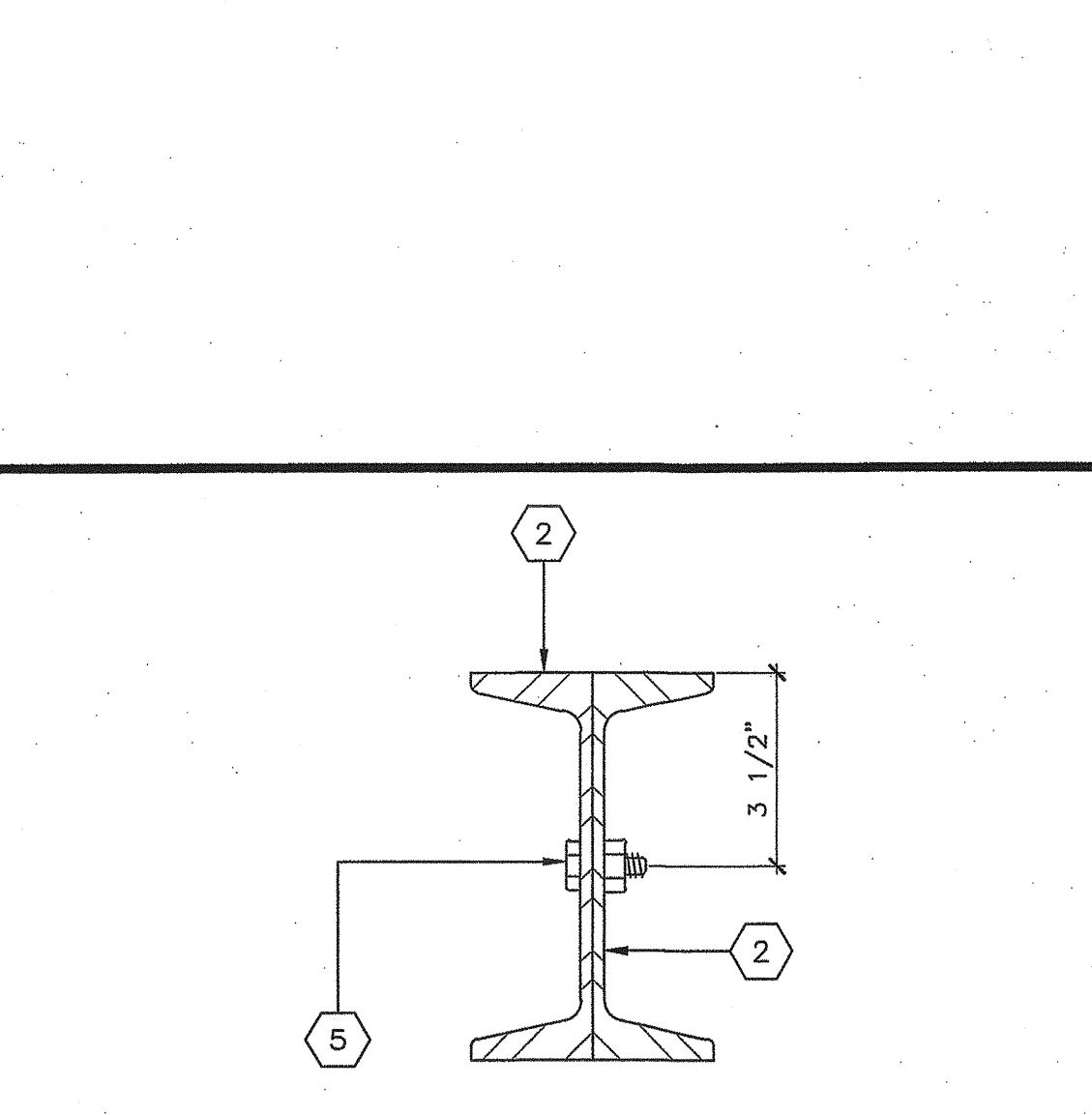


**ALTERNATE MODLINE ATTACHMENT**  
SCALE: 1 1/2\"/>

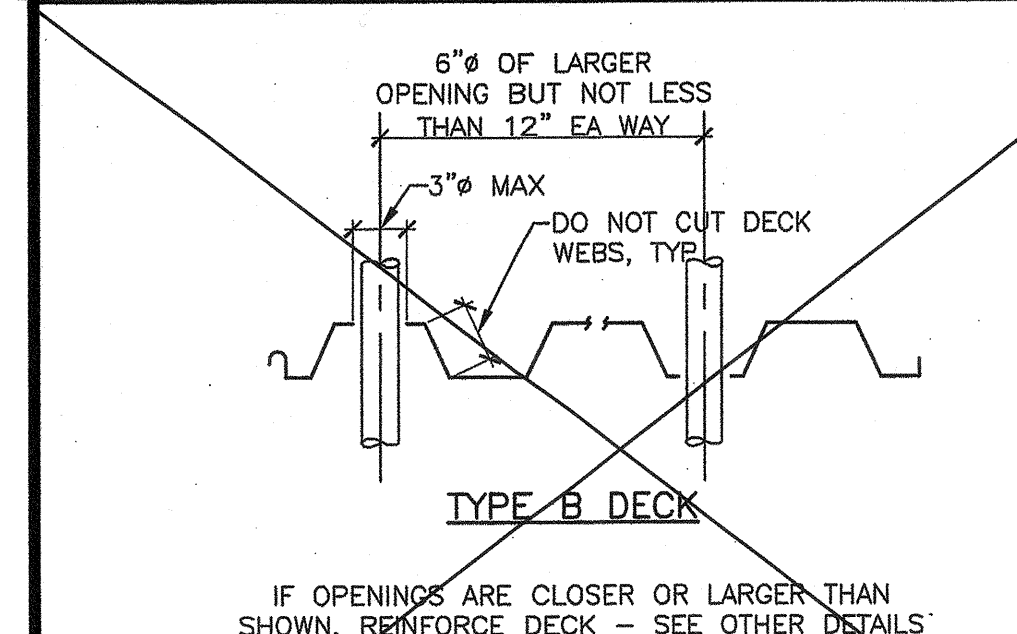


**LIGHT WEIGHT CONCRETE FLOOR NOTES**  
SCALE: NTS

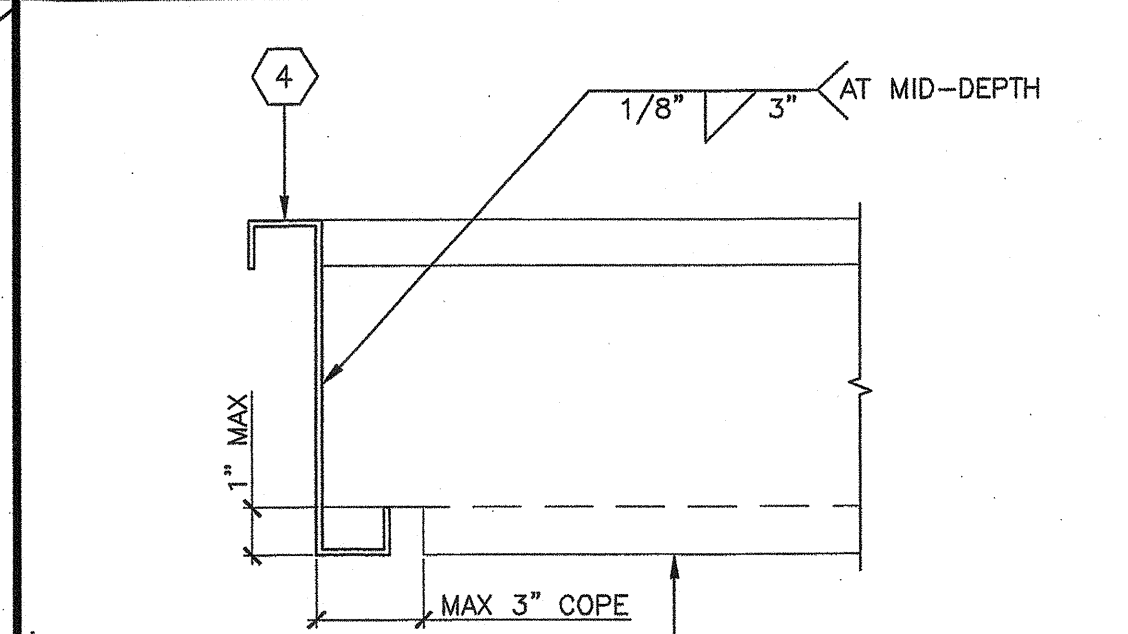
- KEY NOTES**
- PLYWOOD FLOOR SHEATHING
  - PERIMETER CHANNEL (SEE STRUCTURAL FLOOR FRAMING PLANS)
  - NOT USED
  - FLOOR JOIST AND/OR BLOCK (SEE STRUCTURAL FLOOR FRAMING PLANS)
  - 5/8" MACHINE BOLT. SEE SHEET SO.1 OR SO.2 FOR SPACING
  - NOT USED
  - NOT USED
  - 4"x6"x1/4" PLATE AT 8" CHANNEL SPLICE. 4"x6"x1/4" PLATE AT 10" CHANNEL SPLICE
  - R-11 INSULATION. SEE DETAIL 17 FOR SIMILAR ATTACHMENT U.N.O
  - METAL DECK FLOOR (SEE DETAIL 14)
  - NOT USED
  - MINIMUM 2"x2"x1/4" THICK PLATE. PLATE QUANTITY TO BE FIELD VERIFY
  - 2"x2"x1/4" ANGLE SUPPORT
  - NOT USED
  - NOT USED
  - INSULATION ON 'SEAL TITE' TYPE HW POLYMAX UNDERBELLY OR EQUAL WITH BI-DIRECTIONAL POLYESTER FIBERS
  - BOTTOM BOARD



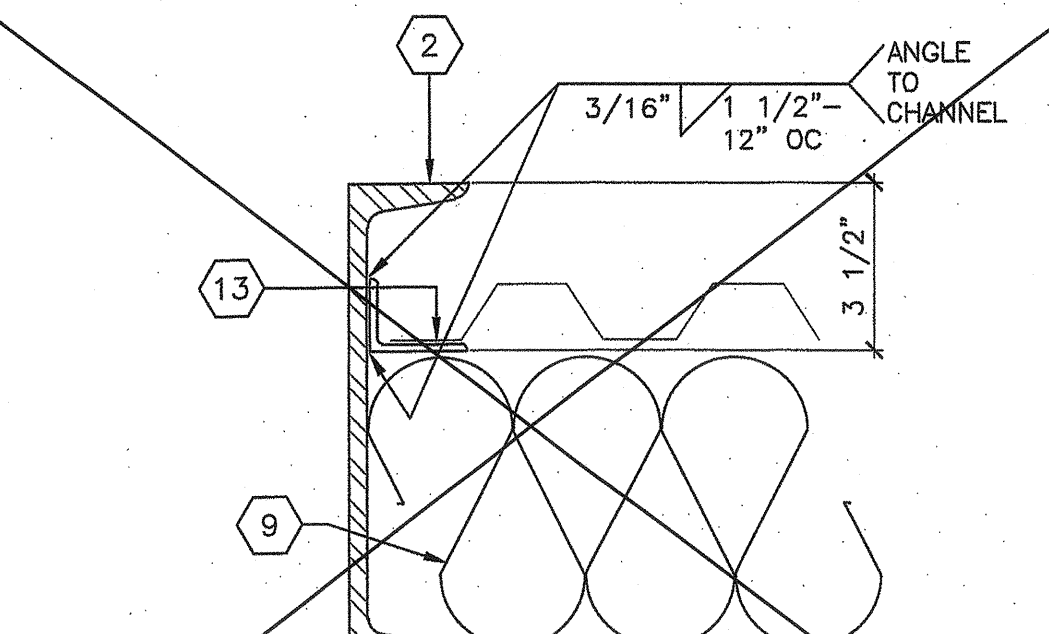
**FLOOR FRAME AT MODLINE (WOOD)**  
SCALE: 3\"/>



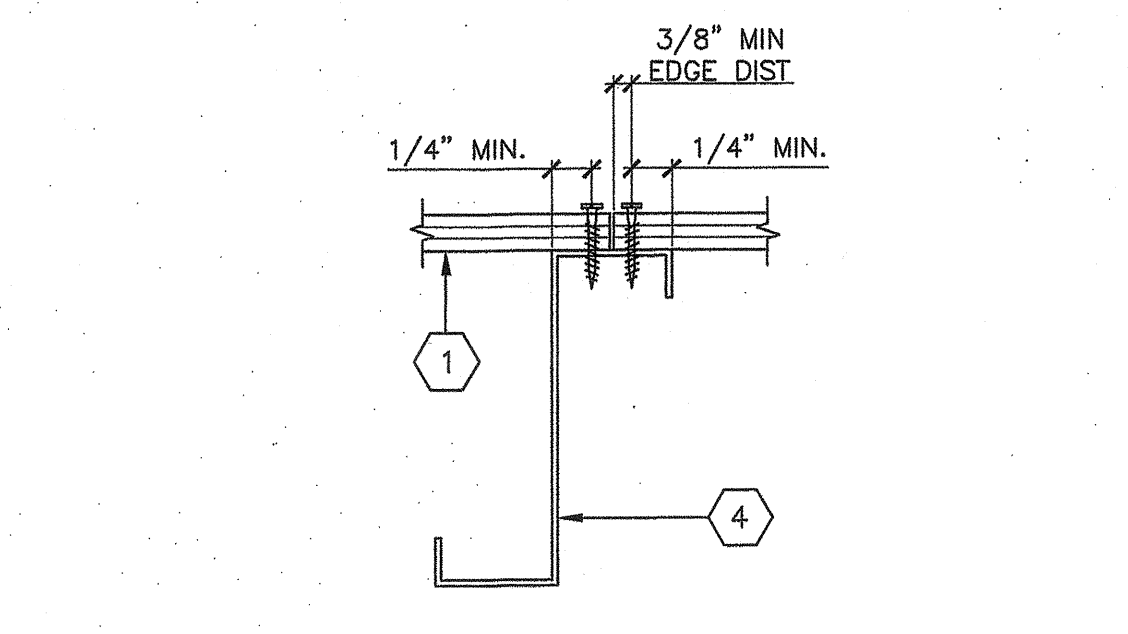
**UNREINFORCED OPENING AT DECK**  
SCALE: NTS



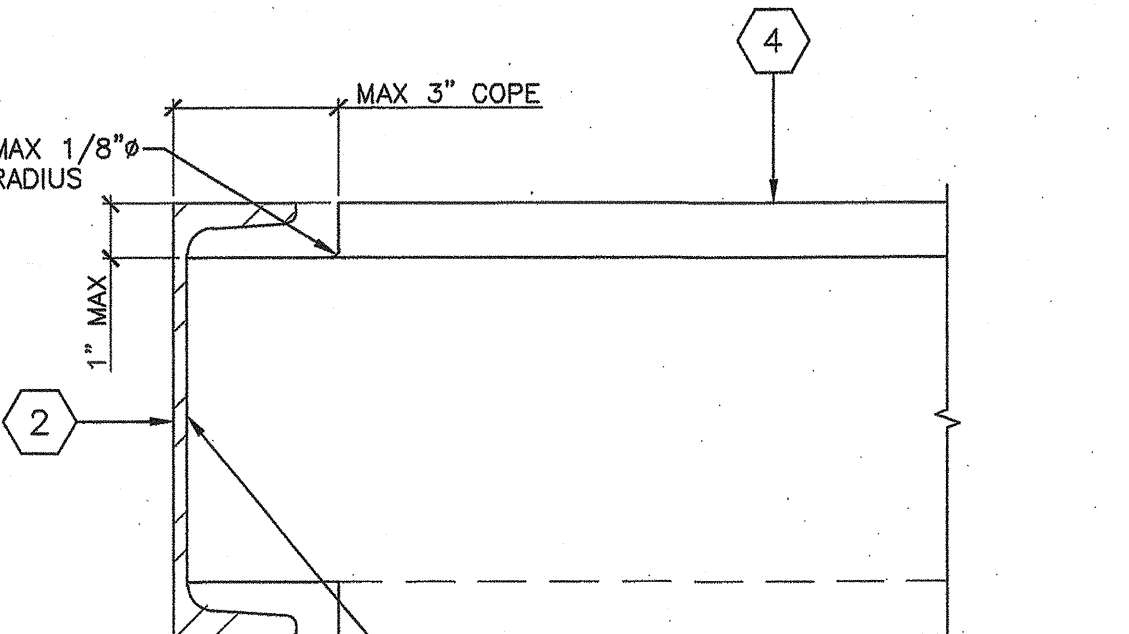
**JOIST TO JOIST (WOOD)**  
SCALE: 1 1/2\"/>



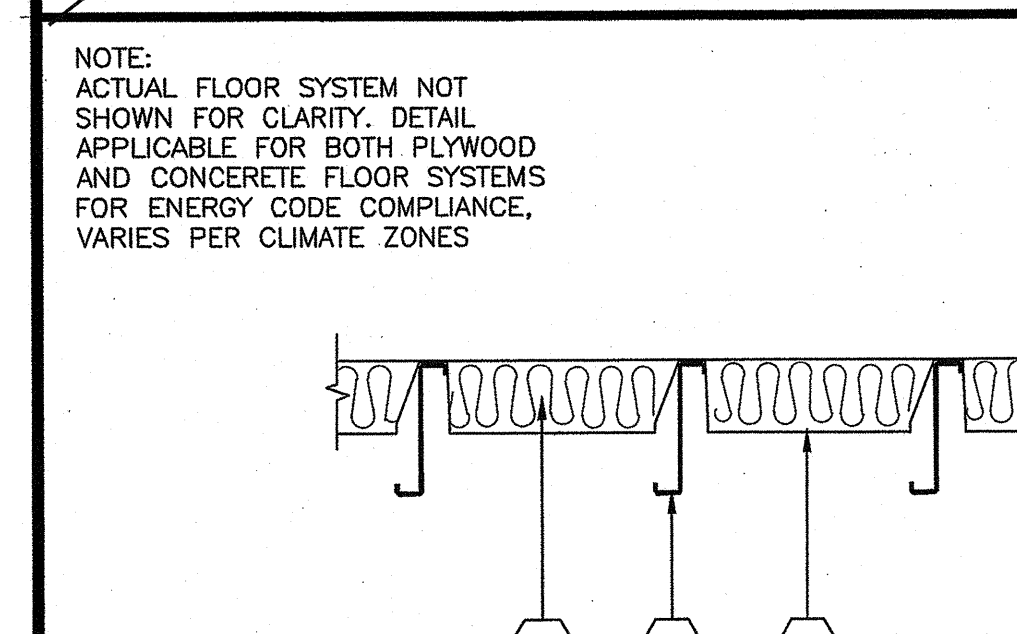
**METAL DECK SUPPORT ANGLE ATTACHMENT**  
SCALE: 1 1/2\"/>



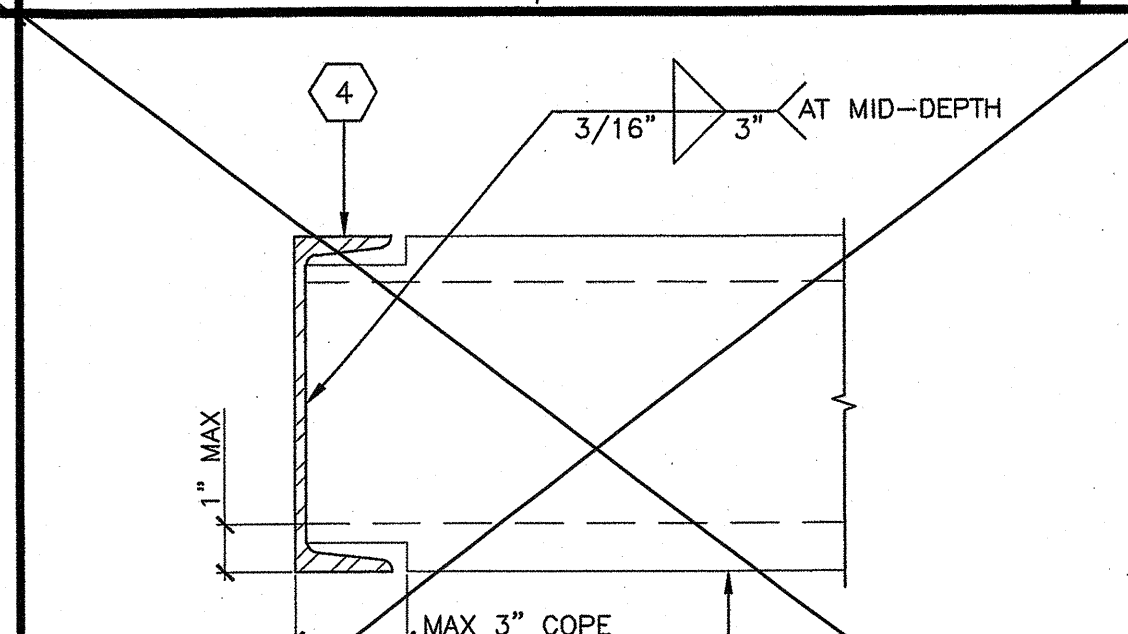
**FLOOR JOIST**  
SCALE: 3\"/>



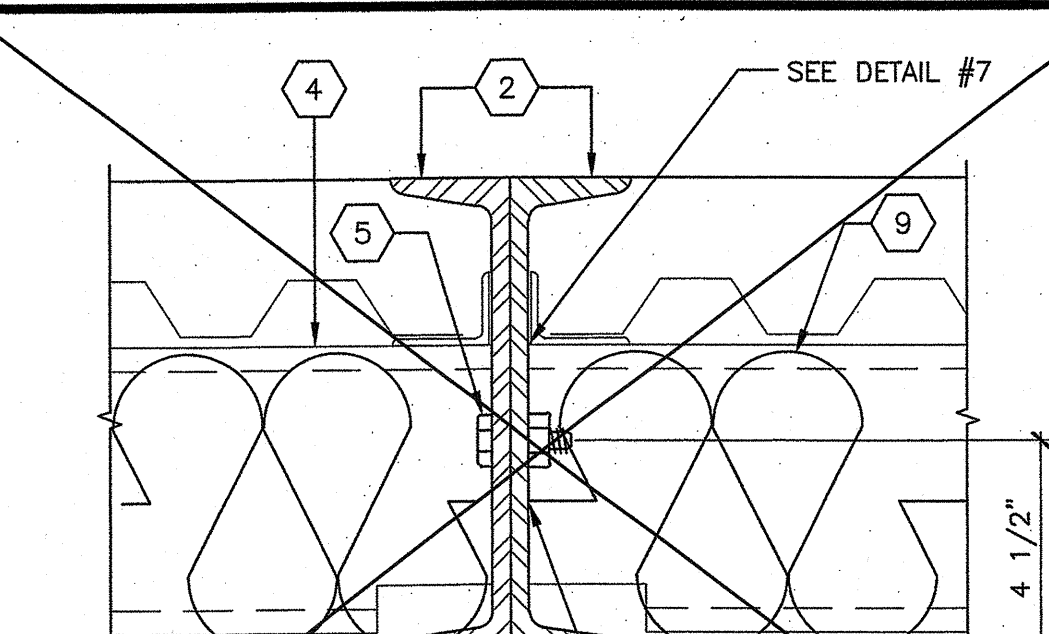
**FLOOR JOIST TO CHANNEL-WOOD**  
SCALE: 3\"/>



**INSULATION AT FLOOR**  
SCALE: 1 1/2\"/>



**JOIST TO JOIST (CONCRETE)**  
SCALE: 1 1/2\"/>



**FLOOR FRAME AT MODLINE (CONCRETE)**  
SCALE: 3\"/>

**MINIMUM DECK CONNECTION ALL SUPPORTS:**  
1/2" EFFECTIVE ARC SPOT OR ARC SEAM (PUDDLE) WELDS AT ALL STEEL SUPPORTS. PUDDLE WELDS AT 12" OC PERPENDICULAR TO DECK FRAMING. 24" OC AT FRAMING PARALLEL TO DECK FRAMING. PROVIDE BUTT PUNCH AT 24" OC @ ALL DECK SEAMS

**NOTES:**

- DECK LAYOUT SHALL PROVIDE ALL DECK SHEETS OF SUFFICIENT LENGTH TO EXTEND CONTINUOUSLY OVER AT LEAST 3 SPANS
- ENDS OF ADJOINING DECK SHEETS SHALL BE LAPPED 2"
- NO SHORING IS REQUIRED FOR DECK, UNO
- METAL B-DECK SHALL BE VERO MANUFACTURING CO. PER IAPMO UES-217 OR APPROVED EQUAL. DECK TO BE ASTM A653 SS DESIGNATION GRADE 50 MINIMUM.
- LIGHT WEIGHT CONCRETE FLOOR SHALL BE REINFORCED WITH 6x6 W1.4xW1.4 W/F PLACED AT MID-DEPTH OF THE FLOOR OVER THE TOP FLUTE OF THE METAL DECK. 1 1/2" X 20 GA. B-DECK WITH 3 1/2" LIGHT WEIGHT CONCRETE FILL (2" OVER DECK FLUTES)
- ALTERNATE ATTACHMENT OF B-DECK TO FLOOR JOIST: HILT X-ENP-1A L15 FASTENER OR EQUAL. 7 PINS PER SHEET TO PERPENDICULAR SUPPORTS PER ICC REPORT #ESR-2197, VSC2 AT 12" OC MAX. SEE DETAIL #14
- LIGHT WEIGHT CONCRETE FLOOR SHALL HAVE A MINIMUM ULTIMATE COMPRESSIVE STRENGTH OF 3,000 PSI AT 28 DAYS
- SEE DETAIL #14 FOR ADDITIONAL INFORMATION

PROJECT SPECIFIC STATE AGENCY APPROVAL

**GLOBAL MODULAR**  
INCORPORATED

**AURORA MODTECH**  
DESIGNS

CONTRACTORS LICENSE #837357

NORTHERN CALIFORNIA DIVISION  
1220 AIRPORT DRIVE  
CHOWCHILLA, CA 93616  
PHONE: (559) 865-8000  
FAX: (559) 865-2700  
WEBSITE: WWW.GOMI.NET

SOUTHERN CALIFORNIA DIVISION  
1560 CHICAGO AVE., SUITE #4-21  
RIVERSIDE, CA 92507  
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PROJECT NAME:

SHEET TITLE:  
**FLOOR FRAMING DETAILS  
PLYWOOD & CONCRETE**

MFR. STRUCTURAL ENGINEER OF RECORD ON PC

**PROFESSIONAL SEAL**  
No. 9806  
DATE SIGNED  
DEC 11 2018

MFR. PROJECT SPECIFIC PROFESSIONAL OF RECORD

ARCHITECT OF RECORD

**ARCHITECT SEAL**  
HAROLD L. HART  
C-38002  
06-30-2021  
RENEWAL DATE

PRE-CHECK (PC) DOCUMENT  
CODE: 2018 C8C  
A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS  
REQUIRED

IDENTIFICATION STAMP  
DIV. OF THE STATE ARCHITECT

**PC 02-116677**  
DATE: DEC 14 2018

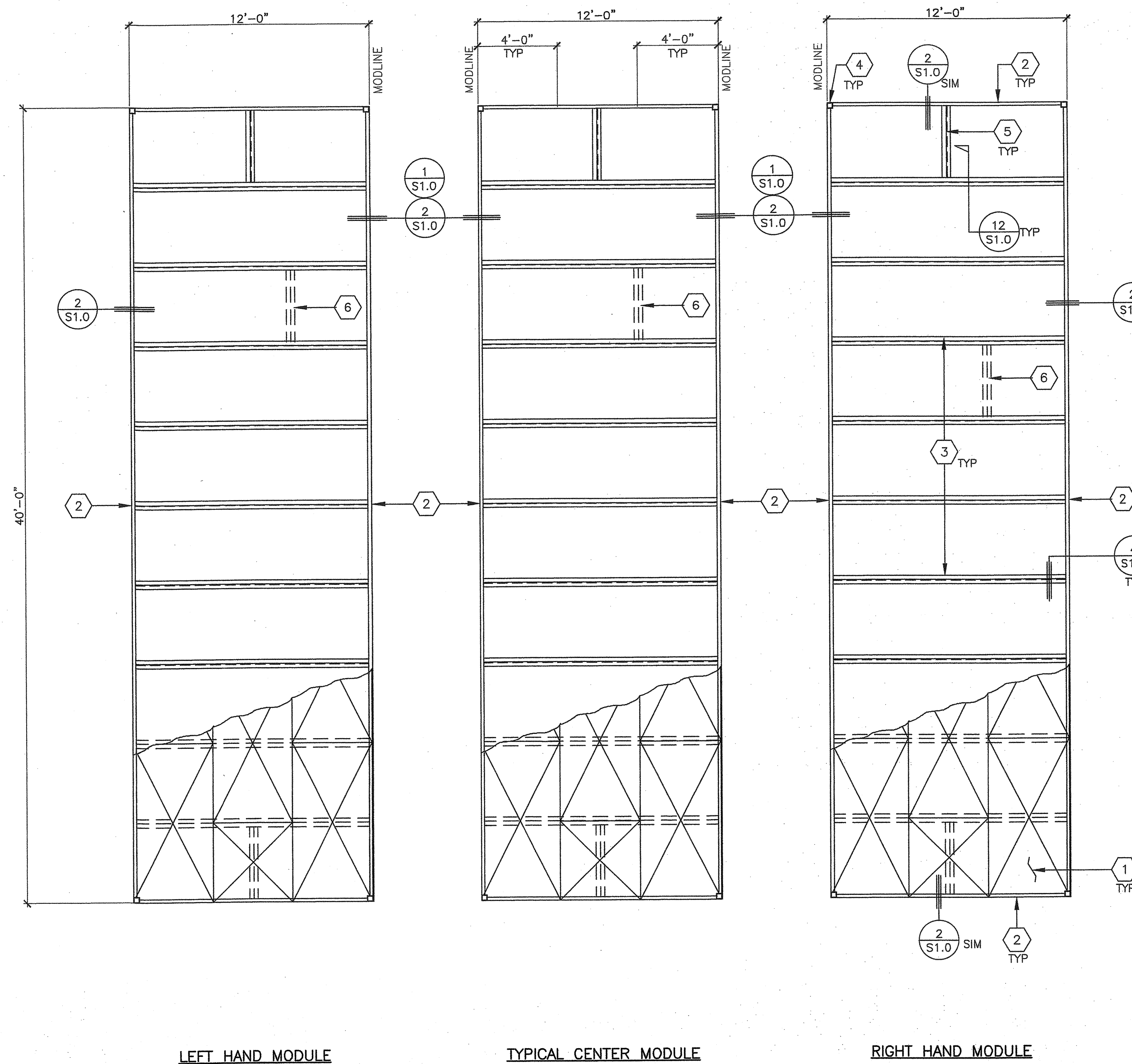
REVISIONS

IDENTIFICATION STAMP  
DIV. OF THE STATE ARCHITECT

APPC3 120280  
AC: FLS / SS  
DATE: OCT 03 2019

PROJECT NO.: 00-0000  
DRAWN BY: 00  
SCALE: AS NOTED  
DATE: 00-00-00  
SHEET NUMBER

**S1.0**



LEFT HAND MODULE

TYPICAL CENTER MODULE

RIGHT HAND MODULE

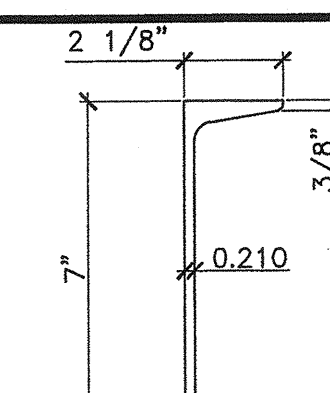
FLOOR FRAMING PLAN  
SCALE: 1/4" = 1'-0"

KEY NOTES

- PLYWOOD FLOOR SHEATHING: 1 1/8" APA RATED OR EQUAL PS 1-09 T&G EDGES, 48" SPAN RATING; ATTACH TO STEEL FRAMING WITH MIN #10-24x1 3/4" SELF TAP SCREW @ 6" OC BOUNDARY & EDGES AND 12" OC FIELD. PROVIDE FIELD NAILING @ 6" OC WHERE FLOOR JOISTS ARE AT 48" OC. MIN 24" SHEET DIMENSION
- C-7" x 9.8 LB PERIMETER FRAME
- FLOOR JOIST MEMBER (FLOOR JOIST ARE SHOWN AT 48" OC AS AN EXAMPLE ONLY SEE SCHEDULE BELOW FOR SPACING)
- STEEL STUB COLUMN
- JOIST BLOCK MEMBER AT 1ST BAY (SAME MEMBER AS TYP FLOOR JOIST). SECURE PLYWOOD TO THIS MEMBER AT 6" OC MAX
- JOIST BLOCKING ONLY WHERE INTERIOR WALL(S) FALLS PARALLEL TO FLOOR JOISTS. PLACE BLOCKING @ MAX 48".

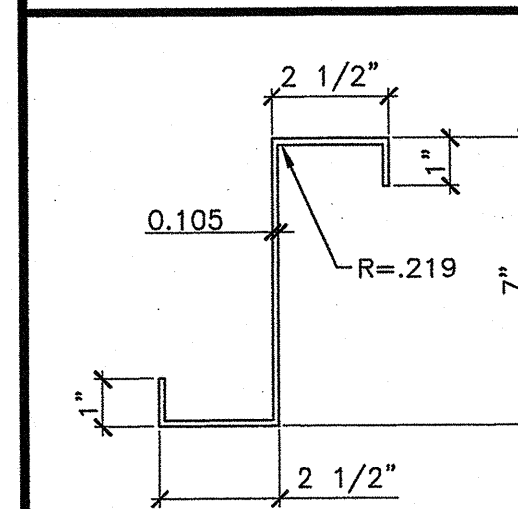
STANDARD FLOOR JOIST SCHEDULE (14 GA)	
FLOOR LOAD	SPACING
50	36" OC
50+15	24" OC
100	16" OC
125	16" OC

ALTERNATE FLOOR JOIST SCHEDULE (12 GA)	
FLOOR LOAD	SPACING
50	48" OC
50+15	32" OC
100	24" OC
125	16" OC

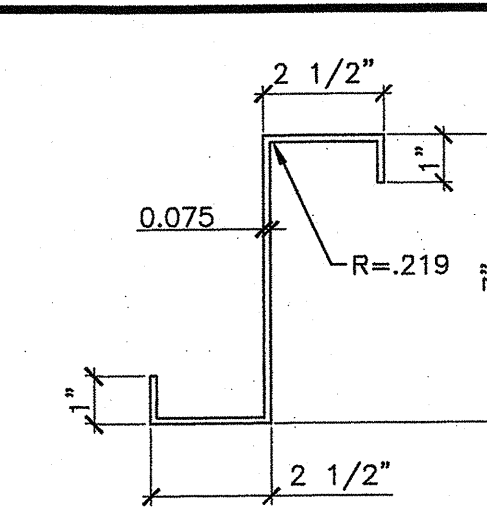


Ix = 21.3  
Sx = 6.08  
Fy = 36,000 KSI  
**FLOOR BEAM**  
SCALE: 3" = 1'-0"

IDENTIFICATION STAMP  
DIV. OF THE STATE ARCHITECT  
APPROX 120280  
AC / FLS / SS / ST  
DATE OCT 03 2019



Ix = 10.62  
Sx = 3.034  
Fy = 40,000 KSI  
**12 GA**  
FLOOR JOIST/BLOCKING  
SCALE: 3" = 1'-0"



Ix = 7.731  
Sx = 2.209  
Fy = 40,000 KSI  
**14 GA**  
FLOOR JOIST/BLOCKING  
SCALE: 3" = 1'-0"

PROJECT SPECIFIC STATE AGENCY APPROVAL



CONTRACTORS LICENSE #837357  
NORTHERN CALIFORNIA DIVISION 1200 AIRPORT DRIVE  
SOUTHERN CALIFORNIA DIVISION 1660 CHICAGO AVE., SUITE #M-21  
DOWNSHILL, CA 95010 RIVERSIDE, CA 92507  
PHONE: (509) 865-5900 PHONE: (951) 586-3633  
FAX: (509) 865-5700 FAX: (951) 586-3662  
WEBSITE: WWW.GDMJ.NET WEBSITE: WWW.AURORAMODTECH.COM

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PROJECT NAME:

SHEET TITLE:  
**FLOOR FRAMING PLAN  
PLYWOOD**

MFR. STRUCTURAL ENGINEER OF RECORD ON PC

DATE SIGNED  
DEC 11 2018

MFR PROJECT SPECIFIC PROFESSIONAL OF RECORD

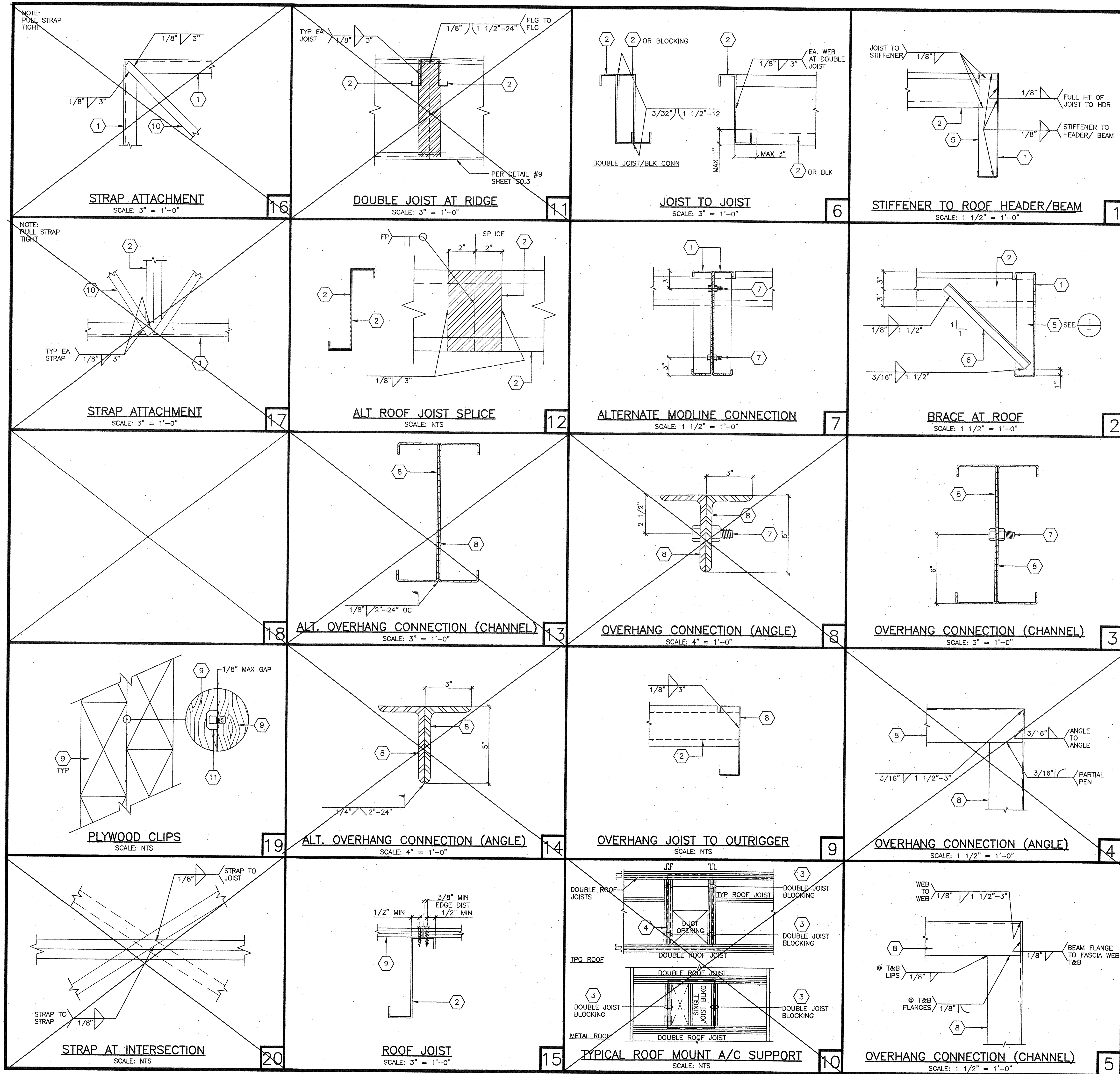
ARCHITECT OF RECORD

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

IDENTIFICATION STAMP  
DIV. OF THE STATE ARCHITECT  
PC 02-116677  
DATE DEC 14 2018

REVISIONS

PROJECT NO.: 00-0000  
DRAWN BY: 00  
SCALE: AS NOTED  
DATE: 00-00-00  
SHEET NUMBER  
**S1.1**



- KEY NOTES**
1. ROOF HEADER/BEAM (SEE STRUCTURAL ROOF FRAMING PLAN)
  2. ROOF JOIST (SEE STRUCTURAL ROOF FRAMING PLAN)
  3. DOUBLE JOIST BLOCKING
  4. ROOF MOUNTED A/C UNIT (SEE MECHANICAL PLANS)
  5. 1/4" STIFFENER
  6. L-1 1/2" x 1 1/2" x 3/16" BRACE
  7. 5/8" MACHINE BOLT. SHEET S0.1 AND S0.2 FOR SPACING
  8. OVERHANG OUTRIGGER FASCIA (SEE STRUCTURAL ROOF FRAMING PLAN)
  9. PLYWOOD ROOF
  10. METAL STRAP (SEE SHEET S2.3)
  11. SIMPSON PSC (3/4" X 20 GA) PLYWOOD CLIPS. SEE SHEET S2.2 FOR PLYWOOD ATTACHMENT INFORMATION

PROJECT SPECIFIC STATE AGENCY APPROVAL

**GLOBAL MODULAR**  
Incorporated

**AURORA MODTECH** MODULAR STRUCTURES

CONTRACTORS LICENSE #837357

NORTHERN CALIFORNIA DIVISION 1200 AIRPORT DRIVE, CHORCHULA, CA 93810  
PHONE: (559) 865-5800 FAX: (559) 866-3700 WEBSITE: WWW.GMOD.COM

SOUTHERN CALIFORNIA DIVISION 1860 CHICAGO AVE., SUITE #1-21, INVERGLEN, CA 92607  
PHONE: (951) 885-3633 FAX: (951) 885-3662 WEBSITE: WWW.GMOD.COM

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PROJECT NAME:

SHEET TITLE:  
**ROOF FRAMING DETAILS**

MFR. STRUCTURAL ENGINEER OF RECORD ON PC

DATE SIGNED:  
DEC 11 2018

MFR. PROJECT SPECIFIC PROFESSIONAL OF RECORD

ARCHITECT OF RECORD

**PROFESSIONAL ARCHITECT**  
HAROLD L. HART  
C-38002  
06-30-2021  
RENEWAL DATE

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

IDENTIFICATION STAMP  
DIV. OF THE STATE ARCHITECT  
PC 02-116677  
DATE: DEC 14 2018

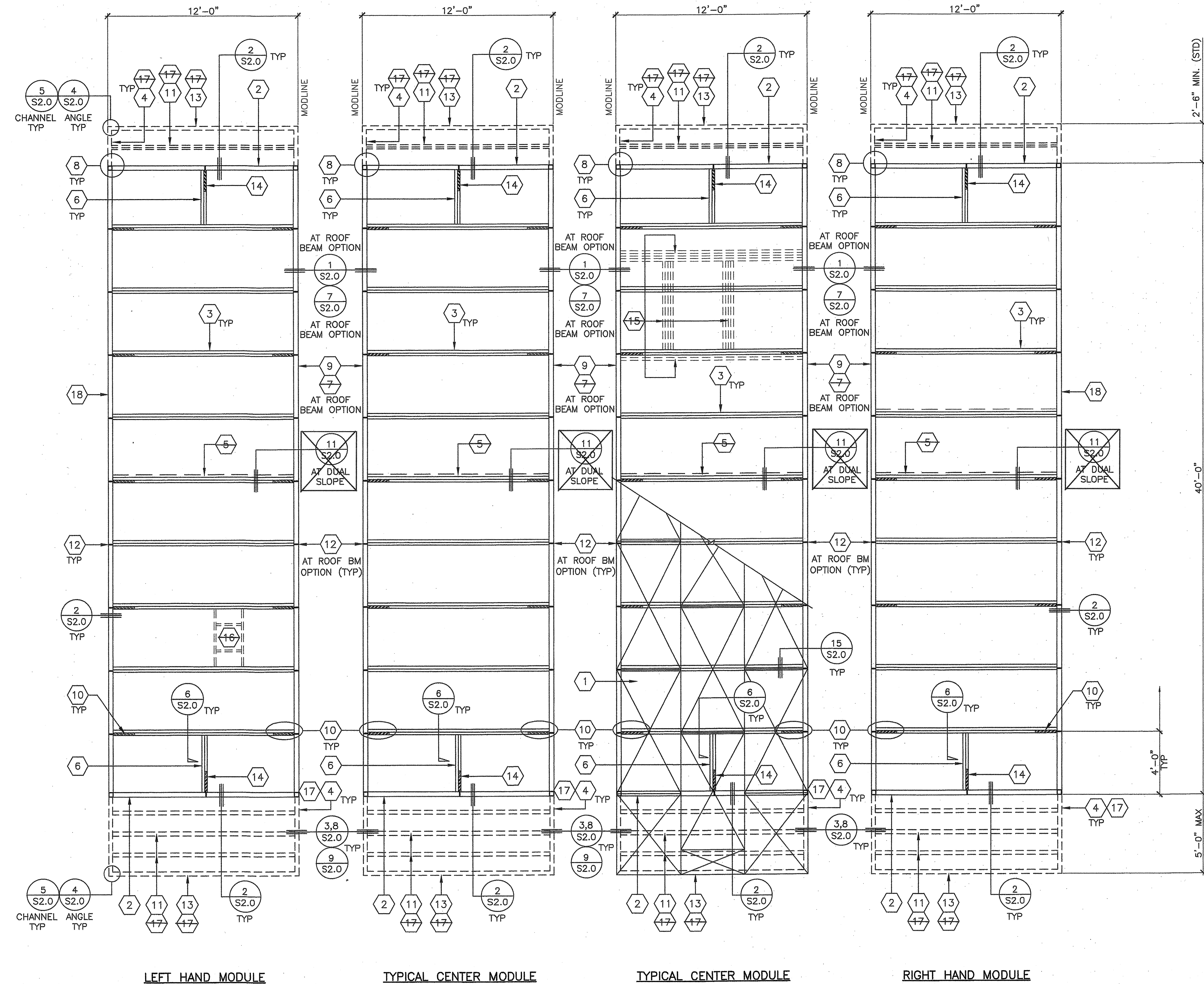
REVISIONS

PROJECT NO.: 00-0000  
DRAWN BY: 00  
SCALE: AS NOTED  
DATE: 00-00-00

IDENTIFICATION STAMP  
DIV. OF THE STATE ARCHITECT  
APPC 120280  
AC FLS / SS CPT  
DATE: OCT 03 2019

**S2.0**





ROOF FRAMING PLAN W/ PLYWOOD DECK  
SCALE: 1/4" = 1'-0"

**KEY NOTES**

- ROOF SHEATHING: 3/4" C-D EXPOSURE 1, 48/24 SPAN RATING, PS 1-09, APA RATED OR EQUAL, SQUARE EDGE W/ PLYWOOD CLIPS @ 16" OC LONG EDGES ON UNSUPPORTED EDGES (SEE #19/S2.0), ATTACH TO STEEL FRAMING WITH #10-24 X 1 3/4" SELF TAP SCREWS @ 6" OC BOUNDARY & EDGES AND 6" OC FIELD WHERE JOIST ARE AT 48" OC AND 12" OC FIELD AT JOISTS WITH SPACING LESS THAN 48" OC. MIN 24" SHEET DIMENSION.
- NON-COMBUSTIBLE ROOF OPTION: USE FIRE RETARDANT SHEATHING SHEATHING SHALL BE EQUAL TO THE SAME THICKNESS, SPAN RATING, AND EXPOSURE RATING OF STANDARD PLYWOOD. FIRE RETARDANT SHEATHING SHALL BEAR THE STAMP APPROVAL OF UL OR APA FOR FIRE RETARDANT CERTIFICATION.
- 'C' SHAPE ROOF HEADER (SEE PROFILE BELOW)
- 'Z' SHAPE ROOF JOIST (SEE PROFILE BELOW)
- 'C' SHAPE OVERHANG OUTRIGGER, TYPICAL EACH SIDE (SEE PROFILE BELOW)
- USE DOUBLE JOIST AT THIS LOCATION (MID-SPAN) FOR DUAL SLOPE ROOF. ADDITIONAL JOIST SHOWN AS HIDDEN LINES USE SINGLE JOIST AT THIS LOCATION FOR MONO SLOPE ROOF.
- 'Z' SHAPE ROOF JOIST BLOCKING AT MID-SPAN OF HEADER, TYPICAL EACH END
- OPTIONAL 'C' SHAPE ROOF BEAM AT MODLINE (SEE PROFILE BELOW)
- STEEL CORNER STUB COLUMN
- STEEL TRUSS (SEE ROOF TRUSS & DETAILS SHEET)
- STEEL TRUSS BRACE AT BOTH TRUSS AND BEAM
- 'Z' SHAPE OVERHANG JOIST (SEE PROFILE BELOW)
- 1/4" FULL HEIGHT STIFFENER AT ROOF BEAM TYPICAL (SEE STRUCTURAL BLDG SECTION SHEET)
- 'C' SHAPE OVERHANG FASCIA
- STEEL BRACE AT ROOF HEADER TYPICAL (SEE BUILDING SECTIONS)
- OUTLINE OF TYPICAL A/G ROOF MOUNT FRAMING. SEE MECHANICAL PLANS FOR LOCATIONS. PROVIDE DOUBLE PURLINS AS SHOWN. SEE DETAIL #10/S2.0.
- FOR SOLARIS OPTION SEE SHEET A11.0 FOR LOCATIONS AND DETAIL
- ALT OVERHANG MEMBER AT FASCIA AND OUTRIGGER. L 6" X 3" X 3/8". SPACING OF ALT OVERHANG MEMBER AT 24" OC MAX
- ROOF BEAM AT SIDEWALL (SEE PROFILE BELOW)

PROJECT SPECIFIC STATE AGENCY APPROVAL

**GLOBAL MODULAR**  
INCORPORATED

**AURA MOTECH**  
DESIGNS

CONTRACTORS LICENSE #837357

NORTHERN CALIFORNIA DIVISION  
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PROJECT NAME:  
SHEET TITLE:

**ROOF FRAMING PLAN  
PLYWOOD SHEATHING**

MFR. STRUCTURAL ENGINEER OF RECORD ON PC

DATE SIGNED  
DEC 11 2018

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DIV. OF THE STATE ARCHITECT  
APPROX 120280  
AC FLS SS  
DATE OCT 03 2018

MFR. PROJECT SPECIFIC PROFESSIONAL OF RECORD

ARCHITECT OF RECORD

**REGISTERED ARCHITECT**  
HAROLD L. HART  
C-38002  
06-30-2021  
RENEWAL DATE

PRE-CHECK (PC) DOCUMENT  
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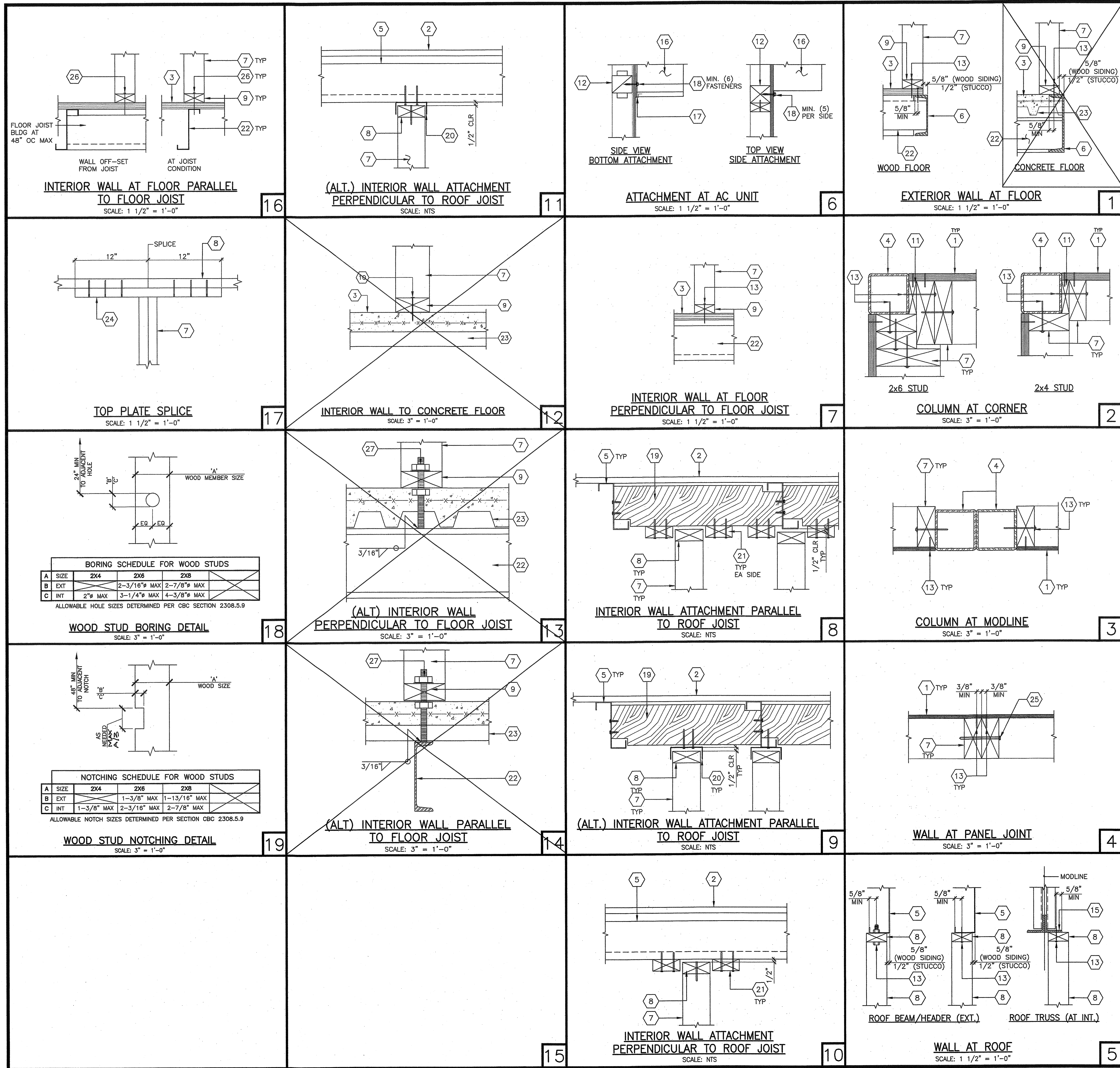
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PROJECT NO.: 00-0000  
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SCALE: AS NOTED  
DATE: 00-00-00  
SHEET NUMBER

**S2.2**

**STRUCTURAL STEEL PROFILES**

<p>ROOF JOIST/BLOCKING SCALE: 3" = 1'-0"</p>	<p>OVERHANG CHANNEL SCALE: 3" = 1'-0"</p>	<p>ROOF BEAM SCALE: 1 1/2" = 1'-0"</p>	<p>ROOF HEADER SCALE: 1 1/2" = 1'-0"</p>
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**KEY NOTES**

1. EXTERIOR PLYWOOD SIDING/SHEATHING (SEE WALL FRAMING ELEVATION SHEET)
2. ROOF DIAPHRAGM (SEE STRUCTURAL ROOF FRAMING PLAN)
3. FLOOR SYSTEM (SEE FLOOR FRAMING SHEET)
4. STEEL COLUMN
5. STEEL ROOF JOIST (SEE STRUCTURAL ROOF FRAMING PLAN)
6. PERIMETER FLOOR FRAME (SEE STRUCTURAL FLOOR FRAMING PLAN)
7. 2x FULL HEIGHT STUDS
8. 2x TOP PLATE
9. 2x BOTTOM PLATE (PRESSURE TREATED @ CONCRETE FLOOR OPTION)
10. 1/2" X U-62-0.157" X 2-7/16" SHOT-PIN AT 24" OC MAX
11. CONTINUOUS SPACER AS REQUIRED
12. 4x POST / BLOCKING. SEE WALL FRAMING ELEVATION SHEET
13. FASTENERS (SEE WALL FRAMING SCHEDULE ON WALL FRAMING ELEVATION SHEET)
14. CAV. L-3-1/2" X 3-1/2" X 1/4" X 6" LONG ANGLE @ 24" OC STAGGERED, ATTACHED TO WALL AND METAL FLOOR BEAM WITH (2) #10 SWS, 24" MIN FROM END OF WALL OR SPLICE
15. TRUSS BOTTOM CHORD
16. WALL MOUNTED AC UNIT (SEE MECHANICAL PLANS)
17. 16 GA#24" LONG STEEL BOTTOM BRACKET AT AC
18. 3/8" X MIN 3-1/2" LAG BOLTS, QUANTITY INDICATED PER DETAIL
19. 2x6 BLOCKING @ 48" OC W/ (2) #10 X 1 1/2" WS EACH END OF BLOCKING, NOTCH AS REQUIRED
20. CONTINUOUS C-3 1/2" X 1 5/8" X 20 GA TRACK, SECURED TO MEMBERS W/(2) #10 STS AT ROOF JOIST OR (2) 16d NAILS INTO 2x BLOCK TYP
21. CONTINUOUS 2x BLOCKING @ EACH SIDE OF TOP PLATE WITH (2) 16d NAILS TO EACH BLOCKING @ 48" OC OR (2) #10 STS TO EACH JOIST TYPICAL
22. FLOOR JOIST MEMBER OR BLOCKING (SEE FLOOR FRAMING PLAN)
23. METAL FLOOR DECK
24. 2x BLOCK AT SPLICE LOCATION. SECURE 2x BLOCK WITH (6) 16d NAILS AT EACH SIDE.
25. 16d NAILS @ 24" O.C. AT DOUBLE STUDS. SEE GENERAL NOTE 9 ON SHEET S3.2
26. MIN #10 X 1-1/2" MIN SDS AT 16" OC MAX WHERE STEEL JOIST OCCURS. USE #10 X 1-1/2" MIN WOOD SCREW ELSEWHERE
27. 1/2" THREADED ROD WELD TO FLOOR JOIST OR BLOCKING. FASTEN TO SILL PLATE WITH (2) NUTS AND (2) WASHERS @ 48" O.C. MAX.

**GENERAL NOTES**

1. SEE WALL FRAMING ELEVATION SHEET S3.2 FOR NAILING SCHEDULE

PROJECT SPECIFIC STATE AGENCY APPROVAL

**GLOBAL MODULAR**  
INCORPORATED

**AURORA MODTECH**  
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PROJECT NAME:

SHEET TITLE:  
**WALL FRAMING DETAILS WOOD STUDS**

MFR. STRUCTURAL ENGINEER OF RECORD ON PC

DATE SIGNED:  
DEC 11 2018

MFR. PROJECT SPECIFIC PROFESSIONAL OF RECORD

ARCHITECT OF RECORD

**HAROLD L. HART**  
C-38002  
06-30-2021  
RENEWAL DATE

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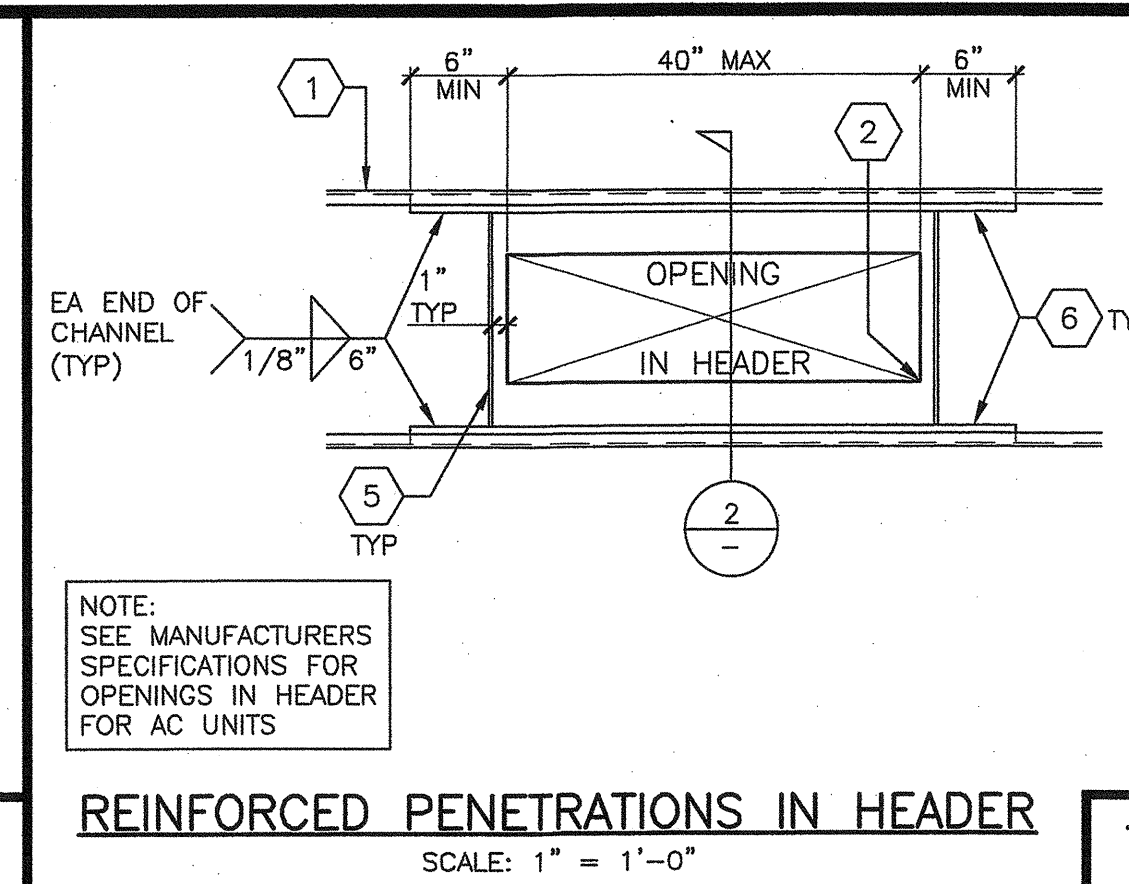
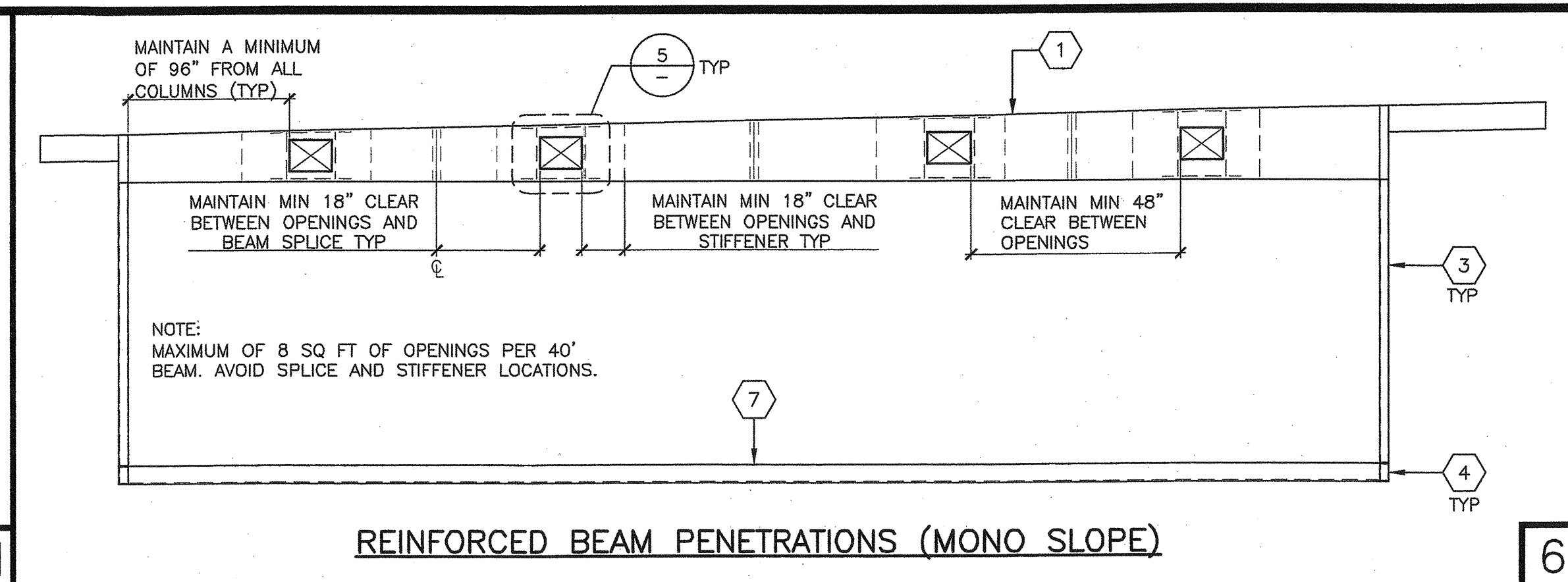
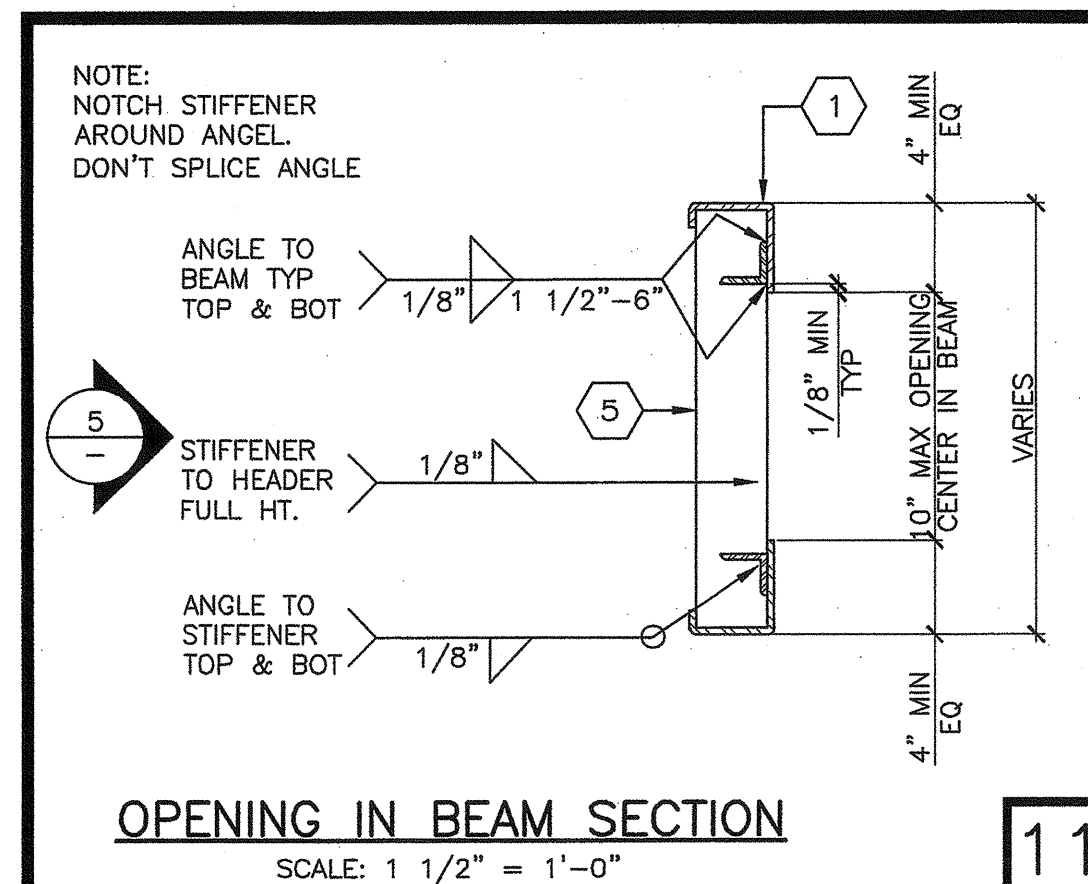
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**S3.0**

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APPROD 120280  
AC: FLS SS  
DATE: 07 03 2019





- KEY NOTES**
1. ROOF HEADER/BEAM (SEE ROOF STRUCTURAL FRAMING PLAN)
  2. CUT CORNERS WITH 1/4" RADIUS
  3. COLUMN (SEE STRUCTURAL BUILDING SECTION SHEETS)
  4. STUB COLUMN (SEE STRUCTURAL BUILDING SECTION SHEETS)
  5. 1/4" STIFFENER PLATE
  6. C-3 1/4" X 1" X 10 GA CHANNEL TOP AND BOTTOM
  7. PERIMETER FLOOR BEAM (SEE STRUCTURAL FLOOR FRAMING SHEETS)
  8. L-2" X 3" X 1/4" ANGLE TOP AND BOTTOM

PROJECT SPECIFIC STATE AGENCY APPROVAL

**GLOBAL MODULAR**  
Incorporated

**AURORA MODTECH**  
DESIGNS

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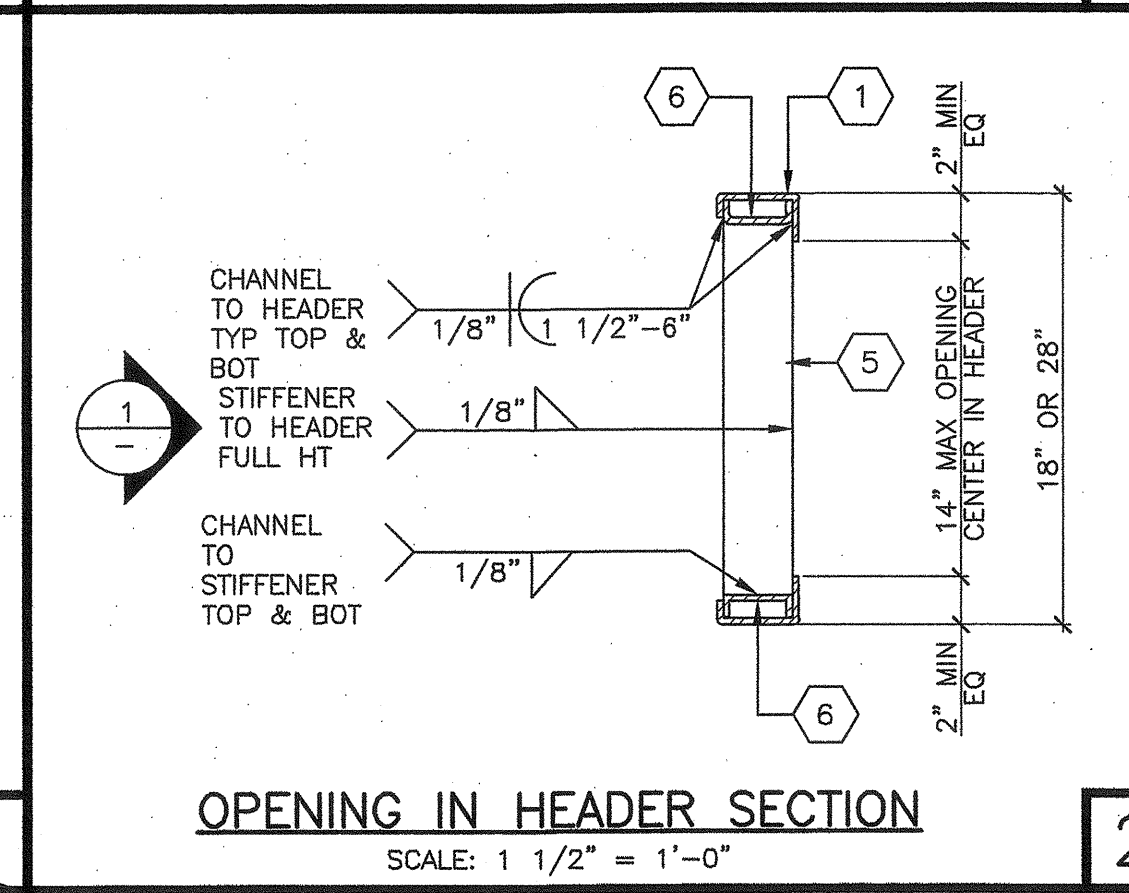
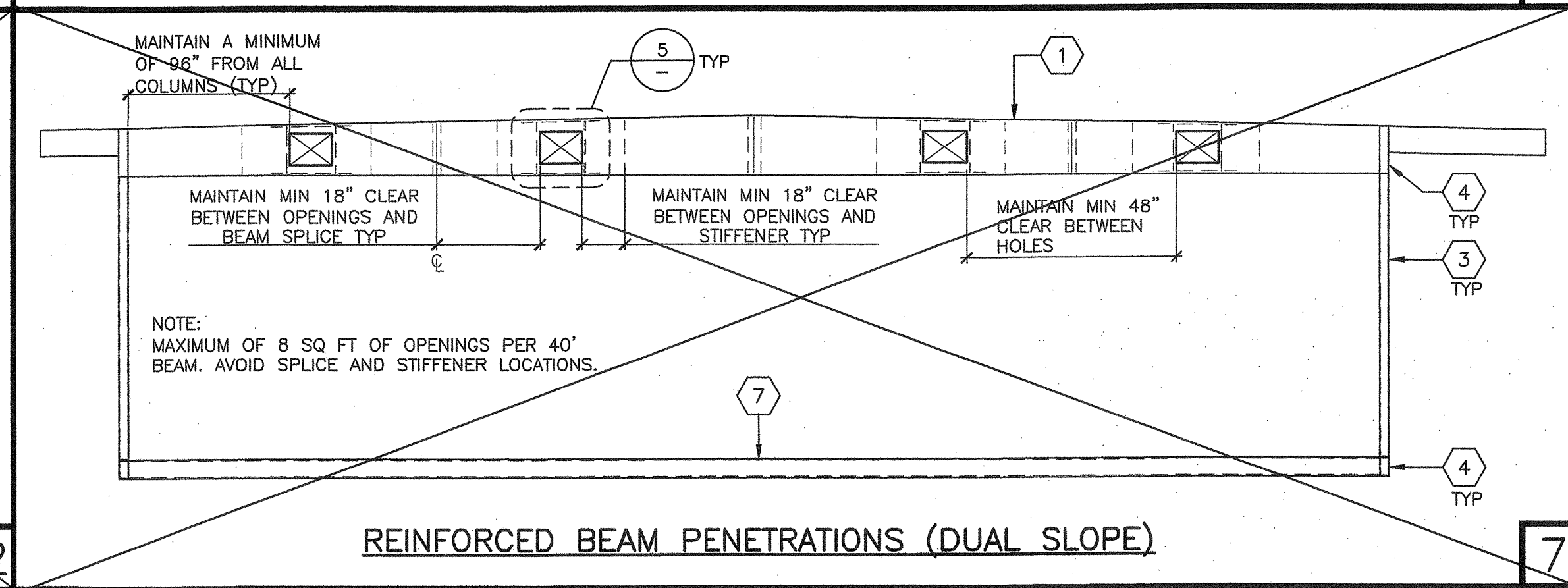
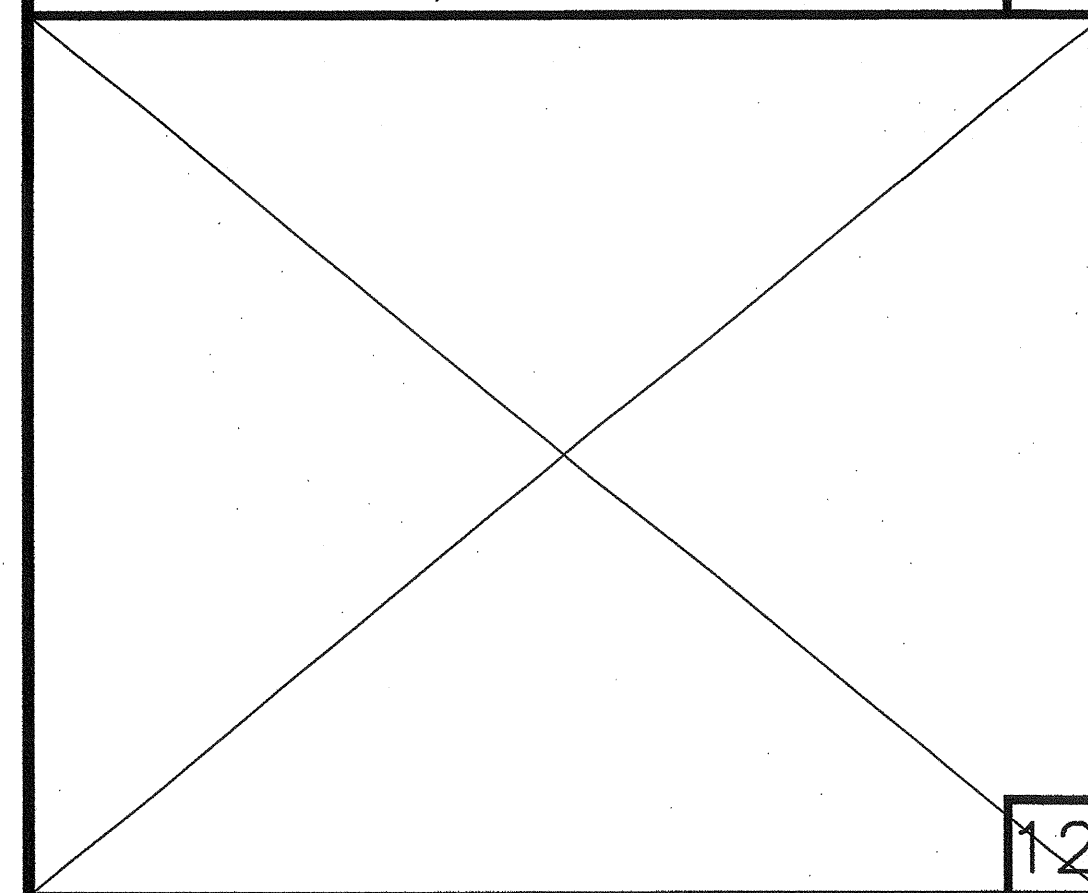
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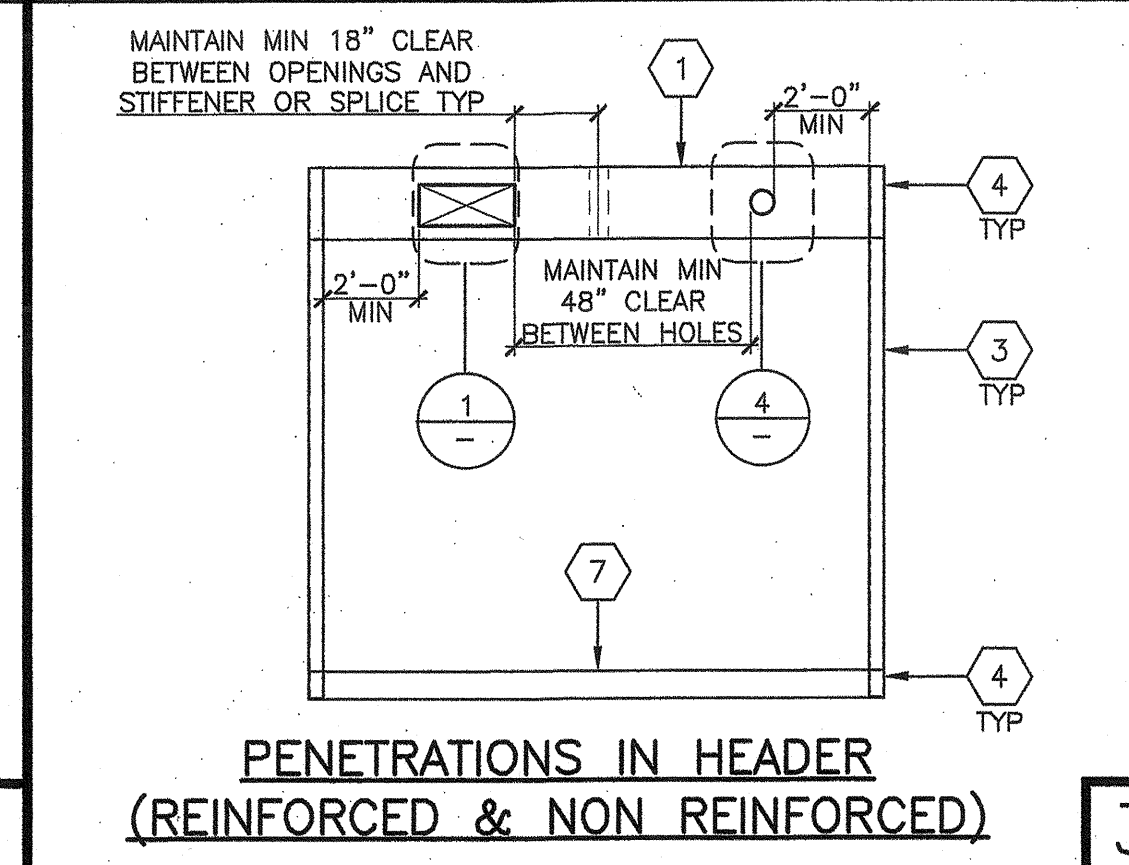
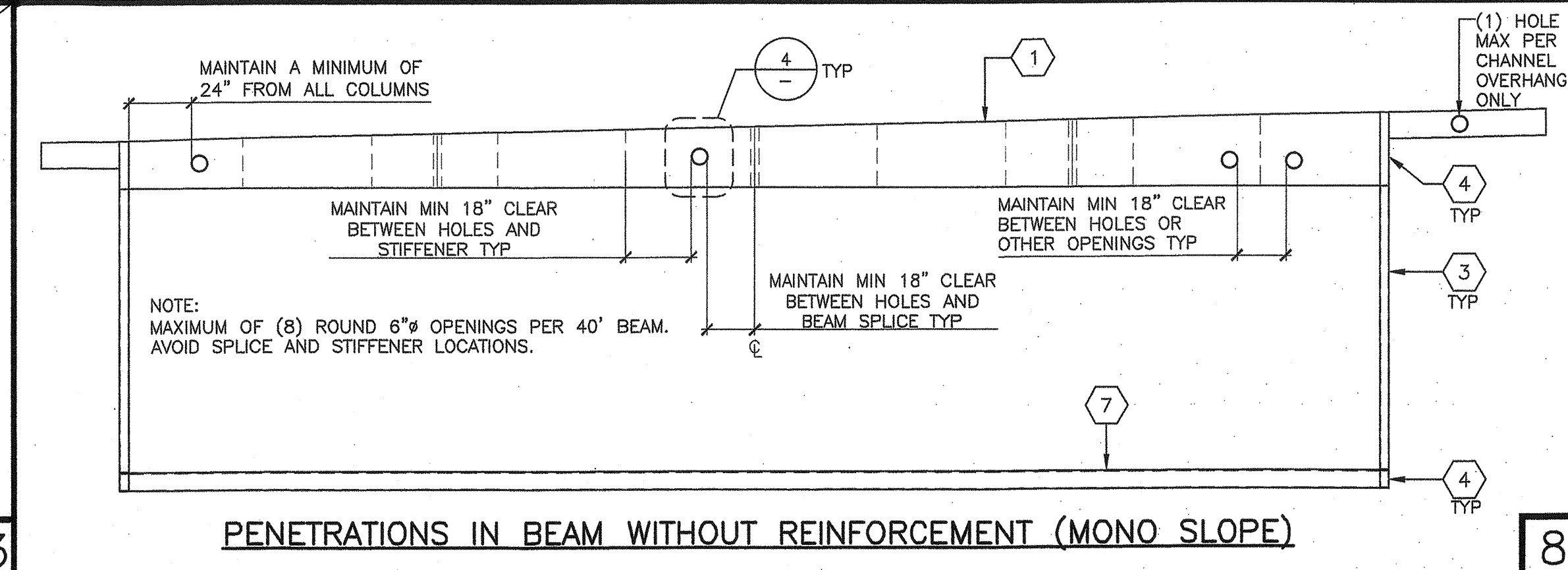
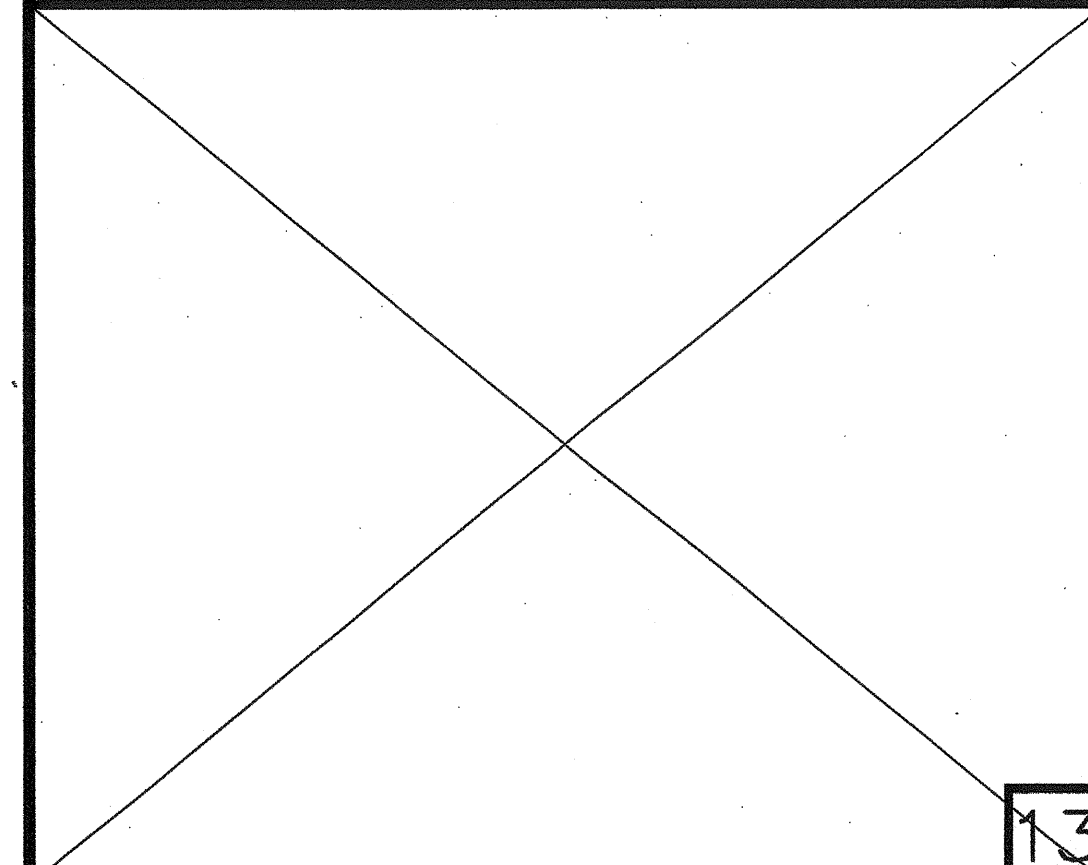
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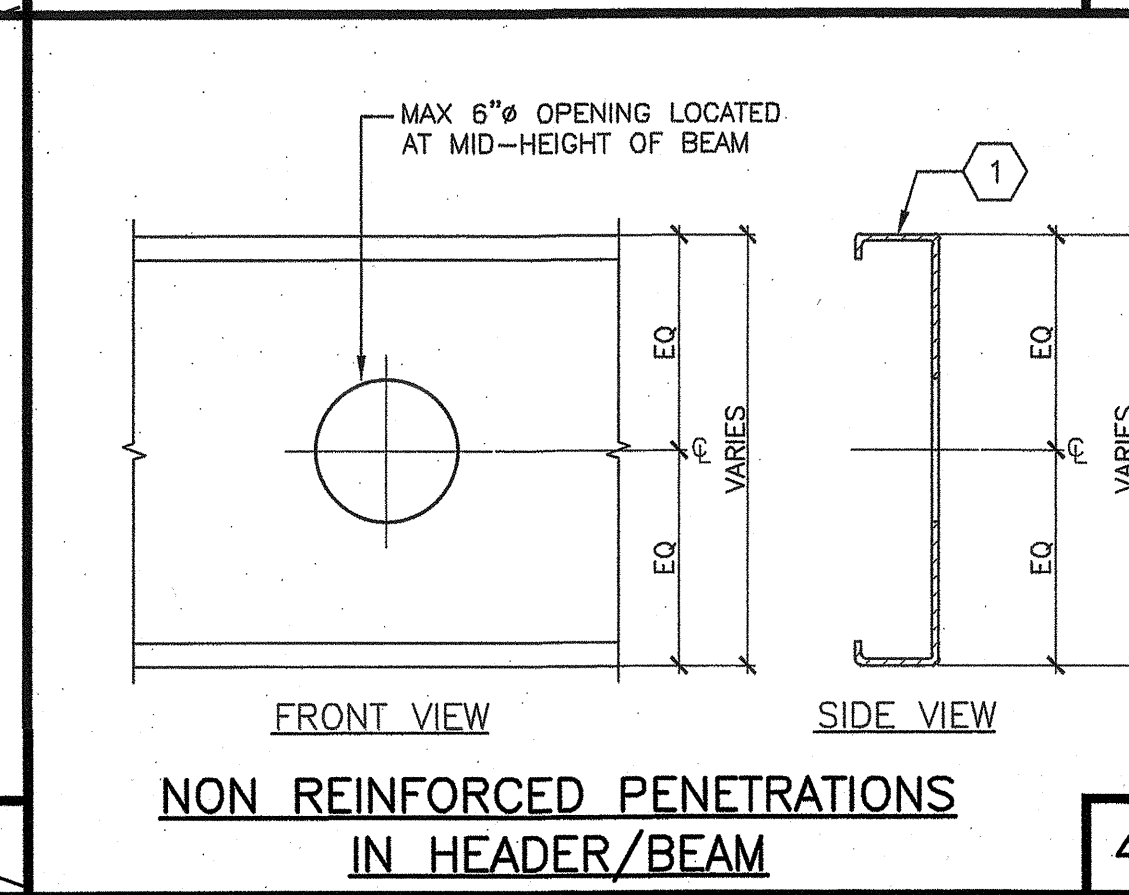
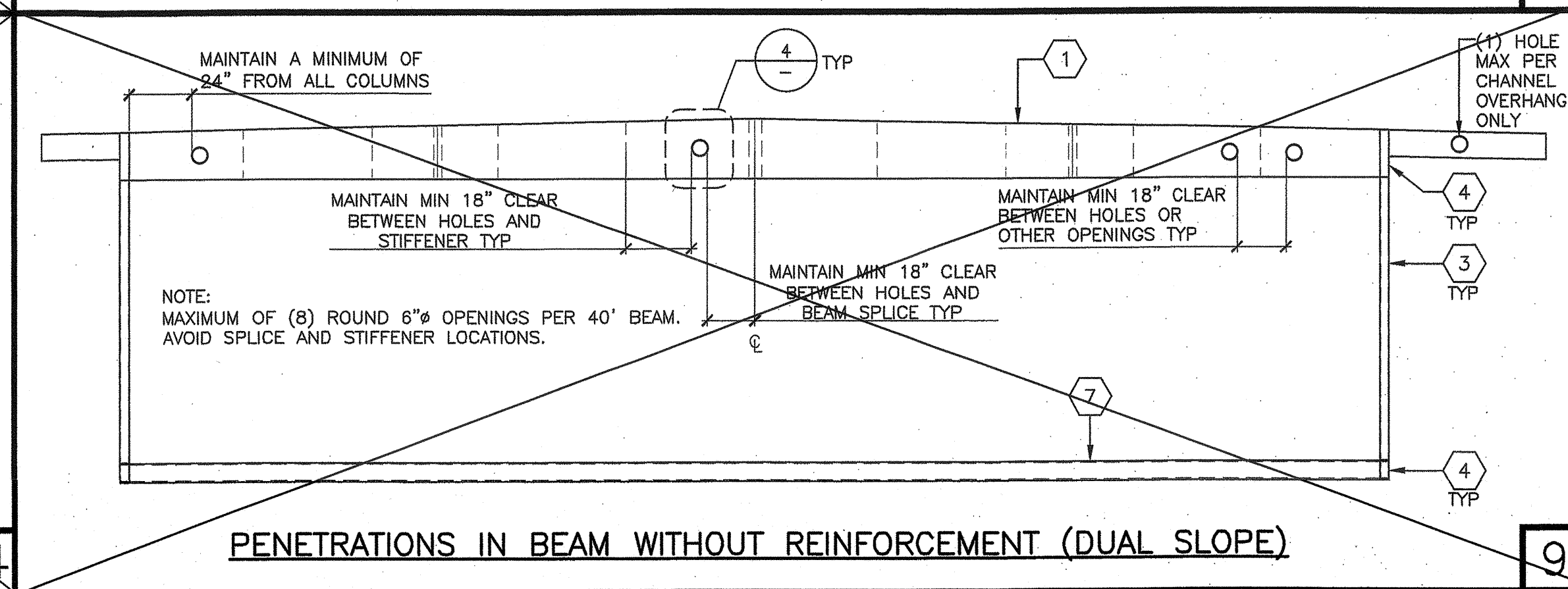
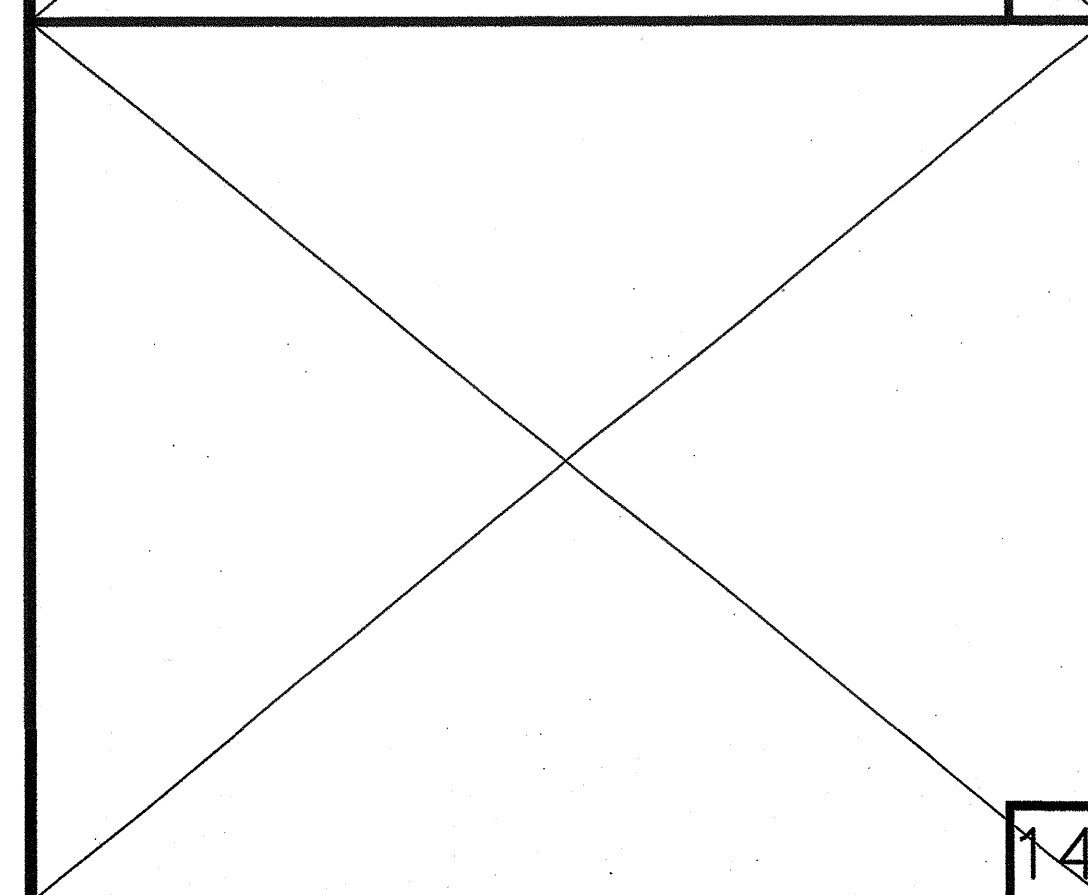
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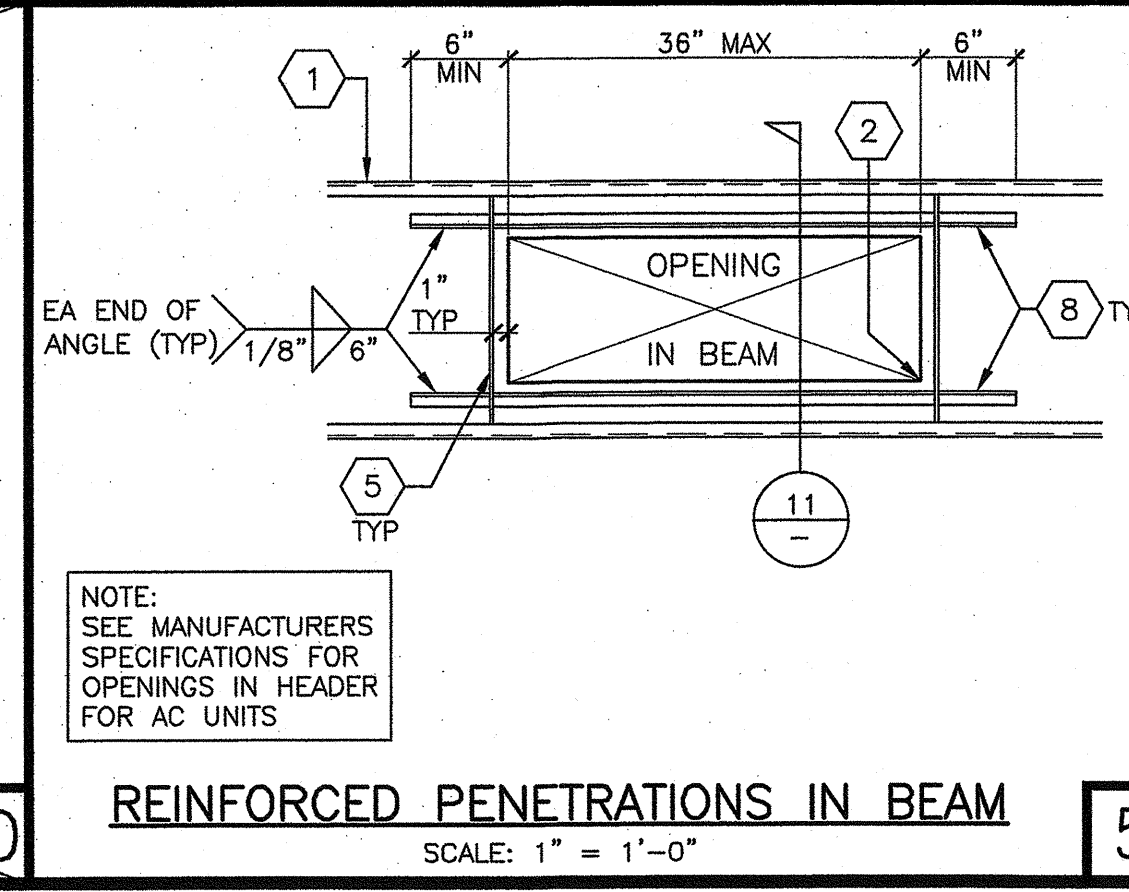
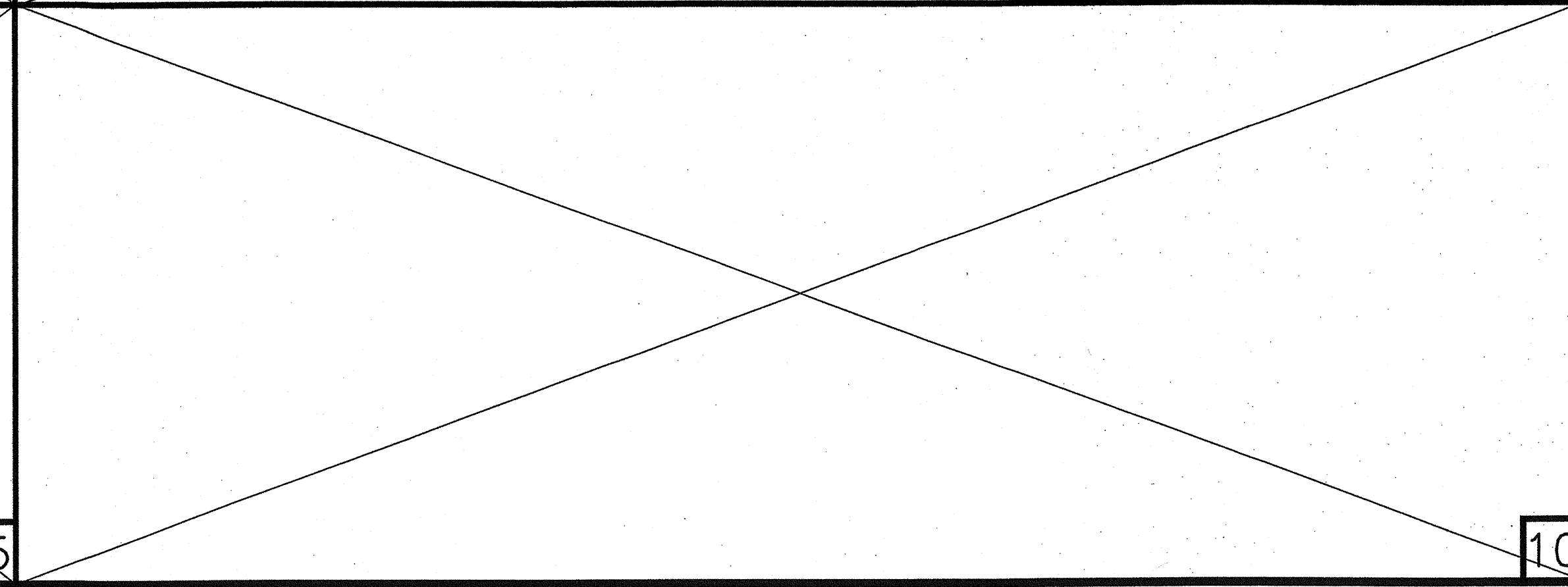
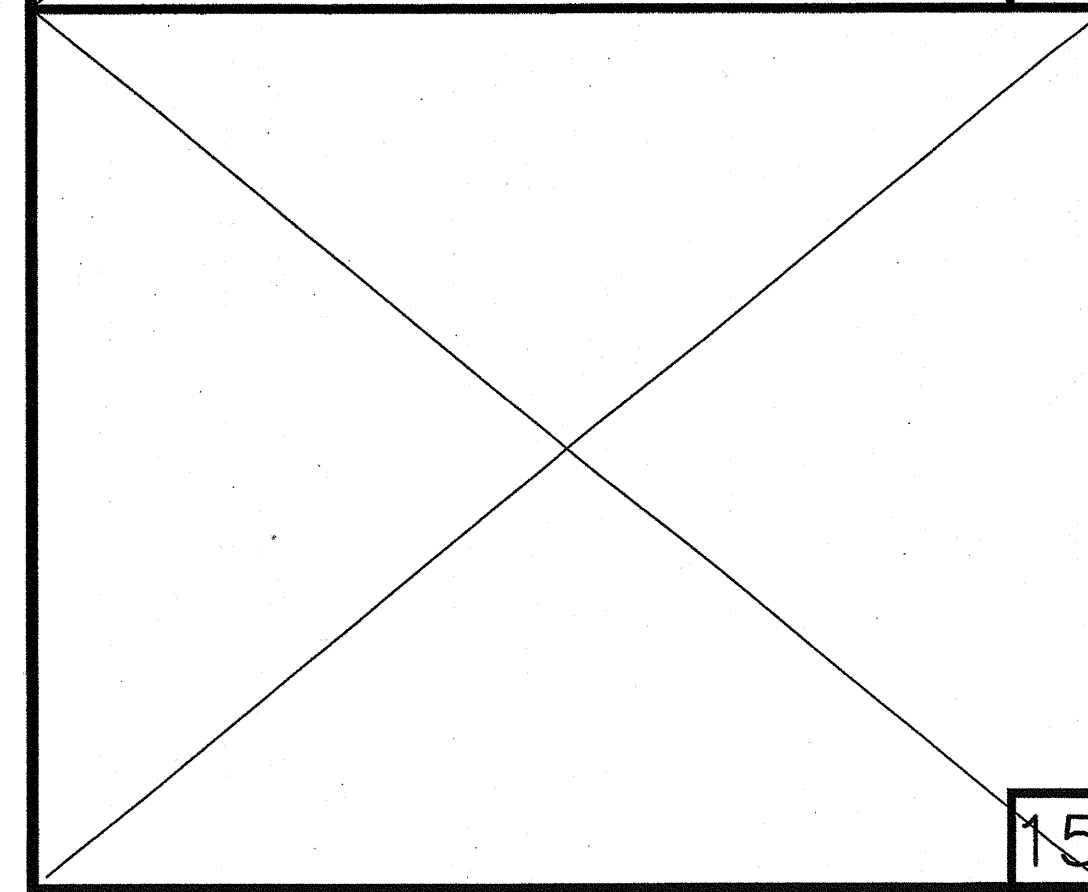
- ALLOWABLE BEAM AND HEADER PENETRATIONS**
- MFR. STRUCTURAL ENGINEER OF RECORD ON PC
- DATE SIGNED: DEC 11 2018
- MFR. PROJECT SPECIFIC PROFESSIONAL OF RECORD
- ARCHITECT OF RECORD
- LICENSED ARCHITECT**  
HAROLD L. HART  
C-38002  
06-30-2021  
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APPROV 12 02 2018  
DATE 12 14 2018



- NON REINFORCED PENETRATIONS IN HEADER/BEAM**  
SCALE: 1" = 1'-0"
- FRONT VIEW
- SIDE VIEW
- MAX 6" Ø OPENING LOCATED AT MID-HEIGHT OF BEAM
- EQ
- EQ
- VARIES
- EQ
- EQ
- VARIES



- REINFORCED PENETRATIONS IN BEAM**  
SCALE: 1" = 1'-0"
- EA END OF ANGLE (TYP) 1/8" 6"
- 1
- 11
- 8 TYP
- 5 TYP
- NOTE:  
SEE MANUFACTURERS SPECIFICATIONS FOR OPENINGS IN HEADER FOR AC UNITS



- REINFORCED PENETRATIONS IN BEAM**  
SCALE: 1" = 1'-0"
- EA END OF ANGLE (TYP) 1/8" 6"
- 1
- 11
- 8 TYP
- 5 TYP
- NOTE:  
SEE MANUFACTURERS SPECIFICATIONS FOR OPENINGS IN HEADER FOR AC UNITS

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**GLOBAL MODULAR**  
Incorporated

**AURORA MODTECH**  
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**NOTES**

**MEP COMPONENT ANCHORAGE NOTE**

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 THRU 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 OR HAS A CENTER OF MASS LOCATED 4 FEET OR MORE ABOVE THE ADJACENT FLOOR OR ROOF LEVEL THAT DIRECTLY SUPPORT THE COMPONENT 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.

**PIPING, DUCTWORK AND ELECTRICAL DISTRIBUTION SYSTEM BRACING NOTE**

PIPING, DUCTWORK, AND ELECTRICAL DISTRIBUTION SYSTEMS SHALL BE BRACED TO COMPLY WITH THE FORCES AND DISPLACEMENTS PRESCRIBED IN ASCE 7-10 SECTION 13.3 AS DEFINED IN ASCE 7-10 SECTION 13.6.5.6, 13.6.7, 13.6.8, AND 2016 CBC, SECTIONS 1616A.1.24, 1616A.1.25 AND 1616A.1.26.

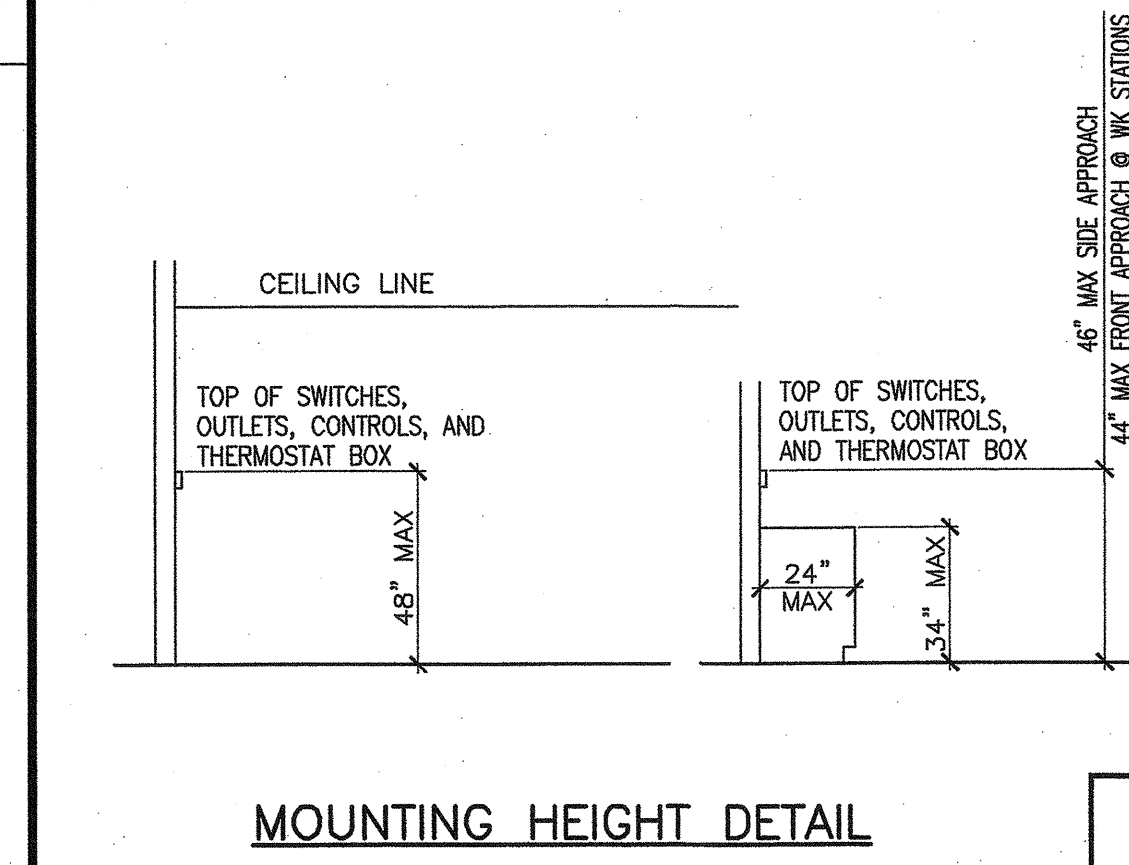
THE METHOD OF SHOWING BRACING AND ATTACHMENTS TO THE STRUCTURE FOR THE IDENTIFIED DISTRIBUTION SYSTEM ARE AS NOTED BELOW. WHEN BRACING AND ATTACHMENTS ARE BASED ON A PREAPPROVED INSTALLATION GUIDE (E.G. SMACNA OR OSHPD OPM), COPIES OF THE BRACING SYSTEM INSTALLATION GUIDE OR MANUAL SHALL BE AVAILABLE ON THE JOBSITE PRIOR TO THE START OF AND DURING THE HANGING AND BRACING OF THE DISTRIBUTION SYSTEMS. THE STRUCTURAL ENGINEER OF RECORD SHALL VERIFY THE ADEQUACY OF THE STRUCTURE TO SUPPORT THE HANGER AND BRACE LOADS.

MECHANICAL PIPING (MP), MECHANICAL DUCTS (MD), PLUMBING PIPING (PP), ELECTRICAL DISTRIBUTION SYSTEMS (E).

MP MD PP E - OPTION 1: DETAILED ON THE APPROVED DRAWINGS WITH PROJECT SPECIFIC NOTES AND DETAILS

MP MD PP E - OPTION 2: SHALL COMPLY WITH THE APPLICABLE OSHPD PRE-APPROVAL (OPM #) #

MP MD PP E - OPTION 3: SHALL COMPLY WITH SMACNA SEISMIC RESTRAINT MANUAL, OSHPD EDITION (2009), INCLUDING ANY ADDENDA, FASTENERS AND OTHER ATTACHMENTS NOT SPECIFICALLY IDENTIFIED IN THE SMACNA SEISMIC RESTRAINT MANUAL, OSHPD EDITION, ARE DETAILED ON THE APPROVED DRAWINGS WHICH PROJECT SPECIFIC NOTES AND DETAILS. THE DETAILS SHALL ACCOUNT FOR THE APPLICABLE SEISMIC HAZARD LEVEL AND CONNECTION LEVEL FOR THE PROJECT AND CONDITIONS



**MOUNTING HEIGHT DETAIL**

WORSE CASE HVAC VARIATIONS (WALL MOUNT)			
SIZE: 24X40	ZONE 14	ZONE 15	ZONE 16
(1) 24X40			
TYPE: HEAT PUMP	AC-1	AC-1	AC-1
WALL: METAL STUDS	R-19+4" RIGID	R-19+4" RIGID	R-19+4" RIGID
ROOF: METAL ROOF	R-30	R-30	R-30
FLOOR: CONC FLOOR	R-0	R-0	R-0
SIZE: 120X40			
(5) 24X40			
TYPE: HEAT PUMP	*AC-3 (5 UNITS)	*AC-3 (5 UNITS)	*AC-3 (5 UNITS)
WALL: METAL STUDS	R-19+4" RIGID	R-19+4" RIGID	R-19+4" RIGID
ROOF: METAL ROOF	R-30	R-30	R-30
FLOOR: CONC FLOOR	R-0	R-0	R-0

NOTE: THE ABOVE CHART ARE MINIMUM REQUIREMENTS THAT MUST COMPLY WHEN BUILDINGS (SMALLEST TO LARGEST) ARE PLACED IN THE ZONED AREAS IN ORDER TO MEET TITLE 24 ENERGY COMPLIANCE. THE WALL TYPE, ROOF TYPE AND FLOOR TYPE (LISTED) ARE CONSIDERED WORSE CASE MATERIALS. PROJECT SPECIFIC MATERIALS THAT ARE NOT USED PER THE ABOVE CHART SHALL PROCEED WITH MATERIALS LISTED SHEET A0.2. \* = AC-3 IS MAX TONAGE. OPTIONAL AC-1 OR AC-2 (5 UNITS) CAN BE SUBSTITUTED

WORSE CASE HVAC VARIATIONS (ROOF MOUNT)			
SIZE: 24X40	ZONE 14	ZONE 15	ZONE 16
(1) 24X40			
TYPE: HEAT PUMP	AC-1A	AC-1A	AC-1A
WALL: METAL STUDS	R-19+4" RIGID	R-19+4" RIGID	R-19+4" RIGID
ROOF: METAL ROOF	R-30	R-30	R-30
FLOOR: CONC FLOOR	R-0	R-0	R-0
SIZE: 120X40			
(5) 24X40			
TYPE: HEAT PUMP	*AC-3A (5 UNITS)	*AC-3A (5 UNITS)	*AC-3A (5 UNITS)
WALL: METAL STUDS	R-19+4" RIGID	R-19+4" RIGID	R-19+4" RIGID
ROOF: METAL ROOF	R-30	R-30	R-30
FLOOR: CONC FLOOR	R-0	R-0	R-0

NOTE: THE ABOVE CHART ARE MINIMUM REQUIREMENTS THAT MUST COMPLY WHEN BUILDINGS (SMALLEST TO LARGEST) ARE PLACED IN THE ZONED AREAS IN ORDER TO MEET TITLE 24 ENERGY COMPLIANCE. THE WALL TYPE, ROOF TYPE AND FLOOR TYPE (LISTED) ARE CONSIDERED WORSE CASE MATERIALS. PROJECT SPECIFIC MATERIALS THAT ARE NOT USED PER THE ABOVE CHART SHALL PROCEED WITH MATERIALS LISTED SHEET A0.2. \* = AC-3A IS MAX TONAGE. OPTIONAL AC-1A OR AC-2A (5 UNITS) CAN BE SUBSTITUTED

**GENERAL NOTE:**

1. PER THE CALIFORNIA ENERGY CODE (CEC) CLASSROOMS ARE DESIGNED FOR MINIMUM OUTSIDE AIR OF 0.38 CFM PER SF OR TO 15 CFM PER OCCUPANT, WHICHEVER IS GREATER. PC MANUFACTURER SHALL VERIFY WITH THE SCHOOL DISTRICT TO EXPECTED NUMBER OF OCCUPANTS IN THE CLASSROOM SO THAT THE OUTDOOR VENTILATION RATE FOR MECHANICAL SYSTEMS CAN BE ADEQUATELY ADJUSTED UPON INSTALLATION OF THE BUILDING. PC MANUFACTURER SHALL ALSO CONFIRM WITH HVAC EQUIPMENT MANUFACTURER THAT THE SELECTED EQUIPMENT WILL BE ABLE TO PERFORM TO ACCOMMODATE THE ADDITIONAL OUTDOOR AIR REQUIREMENTS UNDER PEAK DESIGN CONDITIONS FOR THE CLIMATE ZONE IN WHICH THE BUILDING IS LOCATED. AT OCCUPANCY, THE BUILDING MANUFACTURER SHALL PROVIDE TO BUILDING OWNER A DESCRIPTION OF THE QUANTITIES OF OUTDOOR AND RE-CIRCULATED AIR THAT THE VENTILATION SYSTEMS ARE DESIGNED TO PROVIDE TO EACH AREA.

**WALL MOUNT EQUIPMENT SCHEDULE**

- AC 1 - BARD: C36H1-A05VPXXXX WALL MOUNTED HEAT PUMP  
35,000 BTUH COOLING, EER = 11.0  
31,000 BTUH HEATING, COP = 3.3  
1100 CFM @ .5 MAX ESP, WT = 470 LBS  
208/230V-1PH-60CY, MCA = 55, MOP = 60  
WITH OPTIONAL FACTORY CRV
- AC 2 - BARD: C42H1-A05VPXXXX WALL MOUNTED HEAT PUMP  
40,000 BTUH COOLING, EER = 11.0  
38,500 BTUH HEATING, COP = 3.4  
1250 CFM @ .5 MAX ESP, WT = 470 LBS  
208/230V-1PH-60CY, MCA = 60, MOP = 70  
WITH OPTIONAL FACTORY CRV
- AC 3 - BARD: C60H1-A05VPXXXX WALL MOUNTED HEAT PUMP  
43,000 BTUH COOLING, EER = 11.0  
36,000 BTUH HEATING, COP = 3.2  
1650 CFM @ .5 MAX ESP, WT = 552 LBS  
208/230V-1PH-60CY, MCA = 75, MOP = 80  
WITH OPTIONAL FACTORY CRV

**ROOF MOUNT EQUIPMENT SCHEDULE**

- AC 1A - CARRIER: 50KCOA04A0A3-0A0A0 ROOF MOUNTED HEAT PUMP  
W/ 5KW HEATER CRHEATER102A00  
35,000 BTUH COOLING, SEER/EER = 14.0/12.1  
35,600 BTUH HEATING, HSPF = 8.1  
1200 CFM, WT = 495 LBS  
208/230V-1PH-60CY, MCA = 63, MOP = 70  
WITH FACTORY ROOF CURB & FRESH AIR INTAKE
- AC 2A - CARRIER: 50KCOA05A0A3-0A0A0 ROOF MOUNTED HEAT PUMP  
W/ 5KW HEATER CRHEATER101A00  
(USE CRHEATER102A00 FOR 3PH ONLY)  
49,000 BTUH COOLING, SEER/EER = 14.0/12.1  
45,500 BTUH HEATING, HSPF = 8.0  
1800 CFM, WT = 580 LBS  
208/230V-1PH-60CY, MCA = 59, MOP = 60  
WITH FACTORY ROOF CURB & FRESH AIR INTAKE
- AC 3A - CARRIER: 50KCOA06A0A3-0A0A0 ROOF MOUNTED HEAT PUMP  
W/ 5KW HEATER CRHEATER102A00  
58,000 BTUH COOLING, SEER/EER = 14.3/12.2  
58,500 BTUH HEATING, HSPF = 8.2  
2000 CFM, WT = 610 LBS  
208/230V-1PH-60CY, MCA = 73, MOP = 80  
WITH FACTORY ROOF CURB & FRESH AIR INTAKE

**MATERIAL SCHEDULE**

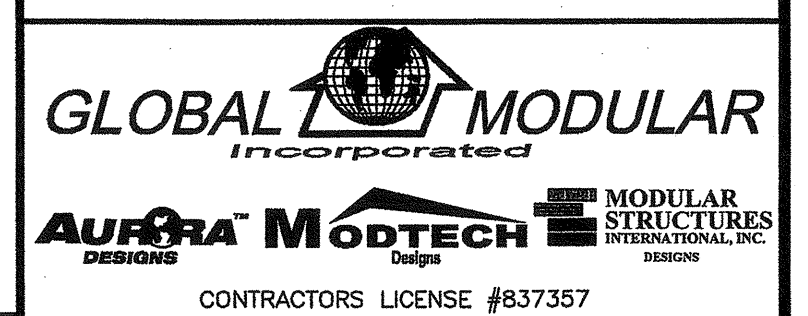
- SUPPLY AIR PLENUM: GALV. IRON SHEETS W/ 1/2" LINER INSULATION
- INTERIOR DUCTWORK: FLEX DUCT CLASS 1 UL-181 W/ R-8 INSULATION
- REGISTER BOXES: GALV IRON SHEETS W/ 1/2" LINER INSULATION
- SUPPLY AIR REGISTERS: METALAIR '7650-6' SERIES
- RETURN AIR GRILLES: METALAIR 'RH' SERIES
- THERMOSTAT: WHITE RODGERS '1F92' SERIES
- FLAME SPREAD LESS THAN 25 SMOKE DEVELOPED RATING LESS THAN 50

IDENTIFICATION STAMP  
DIV. OF THE STATE ARCHITECT  
APPROX 120280  
AC 1A FLS SS 21  
DATE 07-03-2019

**LEGEND AND ABBREVIATIONS**

- SUPPLY DUCT - DIRECTIONAL AIR FLOW
- RETURN DUCT - BAROMETRIC RELIEF DAMPER THRU WALL
- 12" NUMBER INDICATES DUCT SIZE
- RETURN REGISTER - UCD
- RETURN REGISTER - BAROMETRIC RELIEF DAMPER THRU WALL
- SUPPLY REGISTER - TOP OF THERMOSTAT +48" AFF
- EXHAUST FAN - DAMPER
- 12"x12" HOLE THRU BEAM - EQUIPMENT CALLOUT: TOP = EQUIPMENT TYPE BOTTOM = IDENTIFICATION
- 16"x10" HOLE THRU BEAM
- FIRE SMOKE DAMPER 'POTTORF': FSD-125R - E ELECTRICAL LOCATION (PROVIDE WP BOX)
- COMBINATION SMOKE FIRE DAMPER 'POTTORF': FSD-141 - G GAS LOCATION
- CD CONDENSATE DRAIN - RAG RETURN AIR GRILL
- EP EXTRA PURLIN
- RL RIDGE LINE

PROJECT SPECIFIC STATE AGENCY APPROVAL

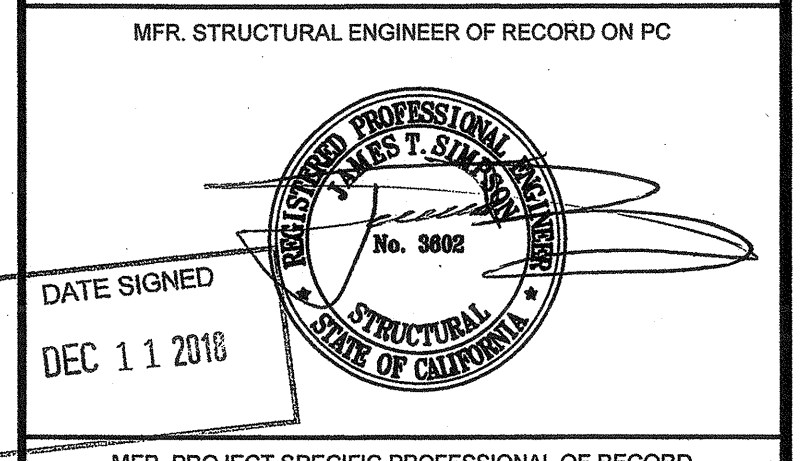


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SOUTHERN CALIFORNIA DIVISION 1800 CHICAGO AVE., SUITE #M-21 RIVERSIDE, CA 92507 PHONE: (951) 886-3633 FAX: (951) 886-3682 WEBSITE: WWW.GDMALC.NET

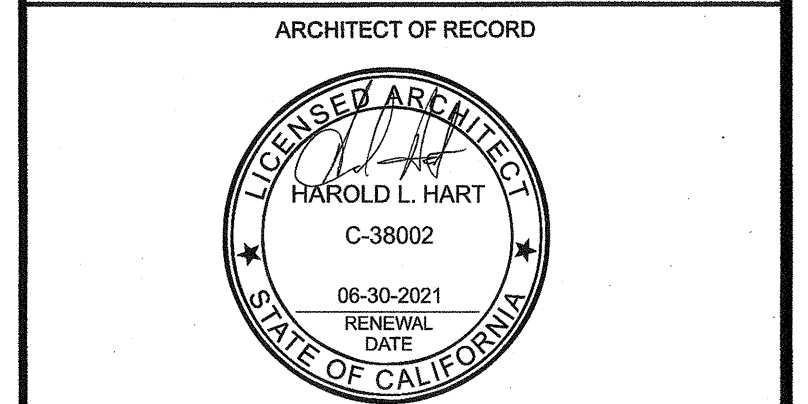
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PROJECT NAME:  
SHEET TITLE:  
**MECHANICAL SCHEDULE AND NOTES**

MFR. STRUCTURAL ENGINEER OF RECORD ON PC  
DATE SIGNED  
DEC 11 2018

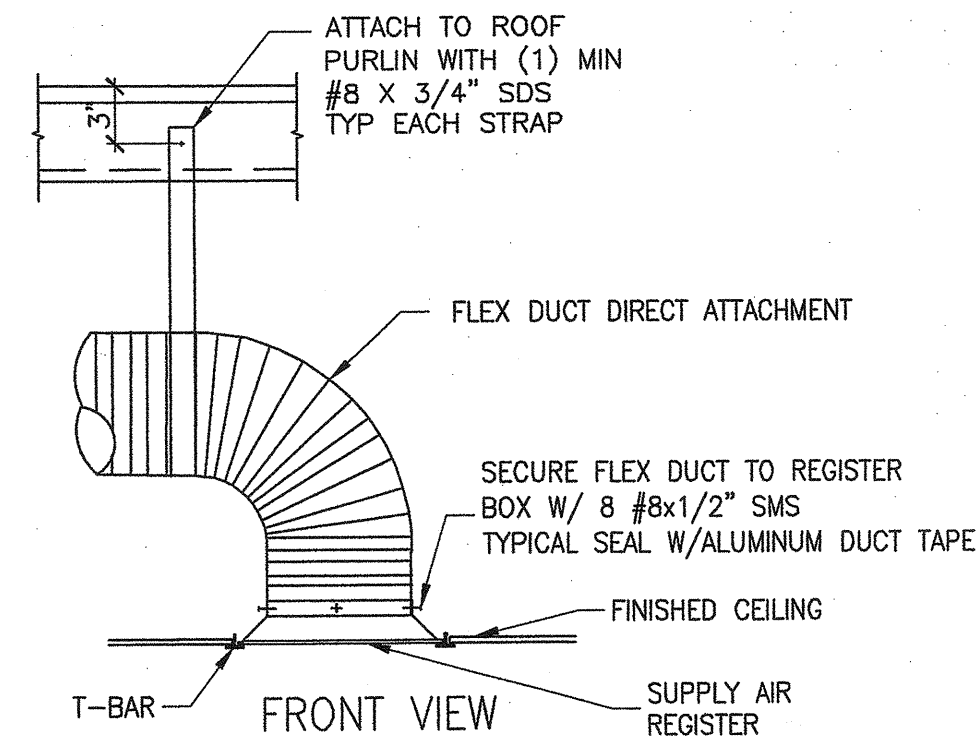


MFR. PROJECT SPECIFIC PROFESSIONAL OF RECORD



PRE-CHECK (PC) DOCUMENT CODE 2018 ORO  
A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRED  
IDENTIFICATION STAMP  
DIV. OF THE STATE ARCHITECT  
PC 02-116677  
DATE: DEC 14 2018

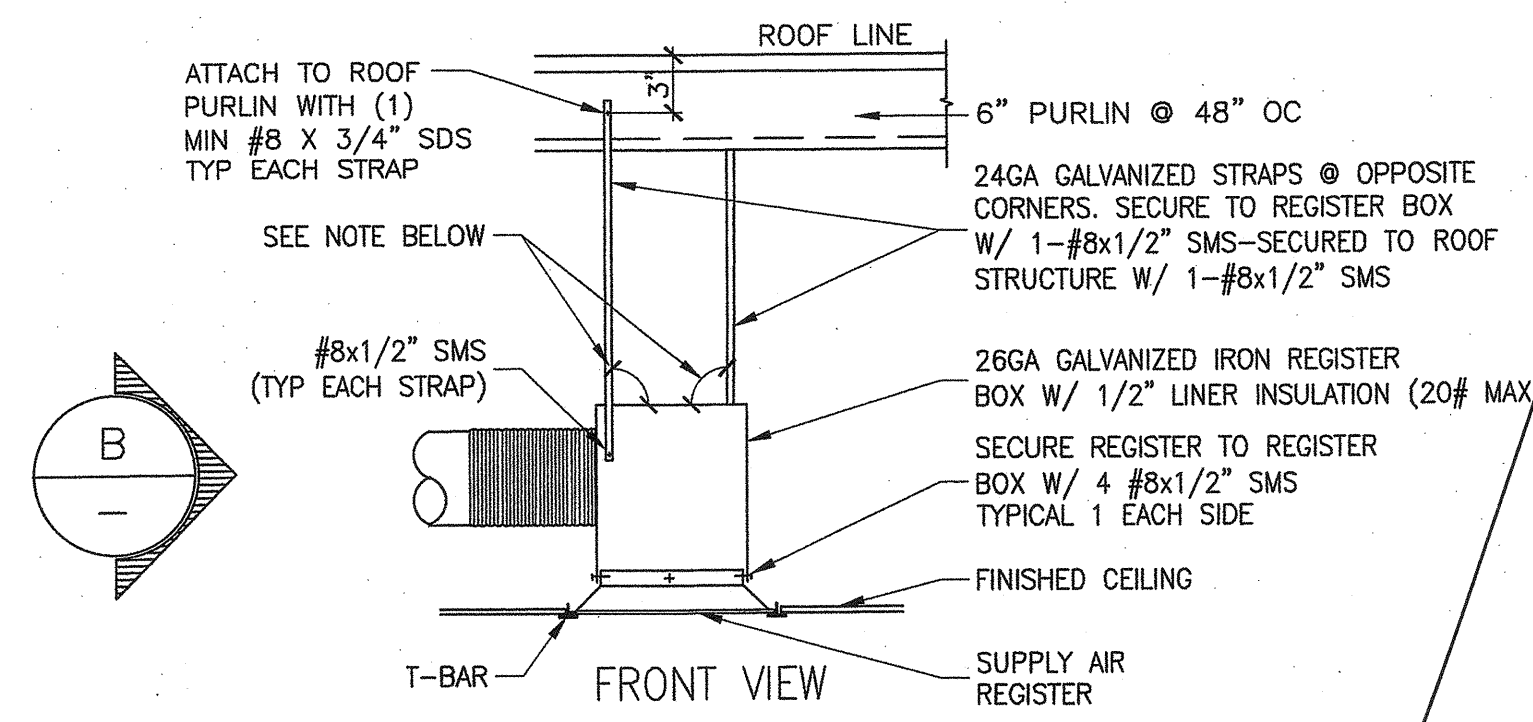
REVISIONS  
PROJECT NO.: 00-0000  
DRAWN BY: 00  
SCALE: AS NOTED  
DATE: 00-00-00  
SHEET NUMBER  
**M0.0**



OPTIONAL FLEX DIRECT

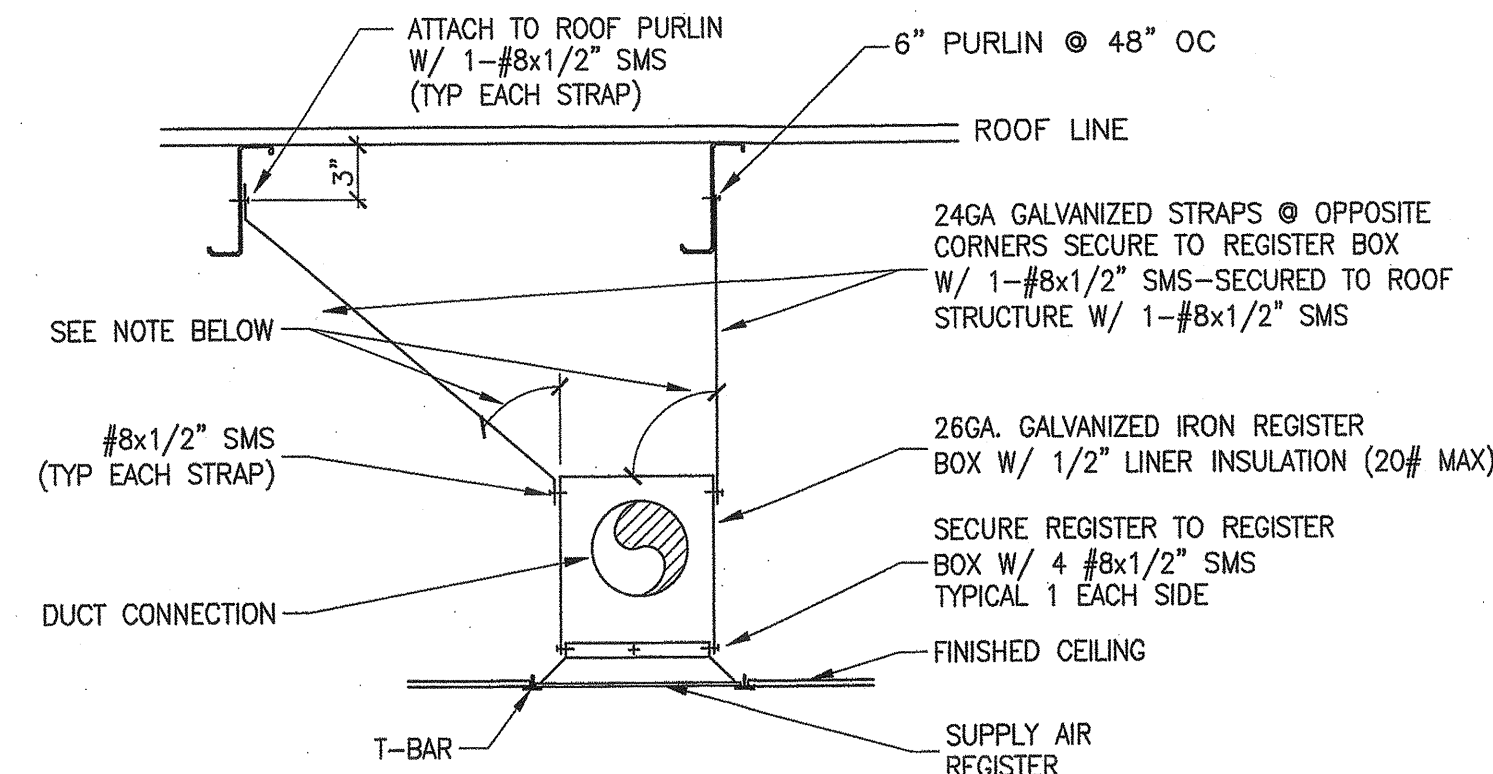
A

SECTION AT SUPPLY/REGISTER



FRONT VIEW

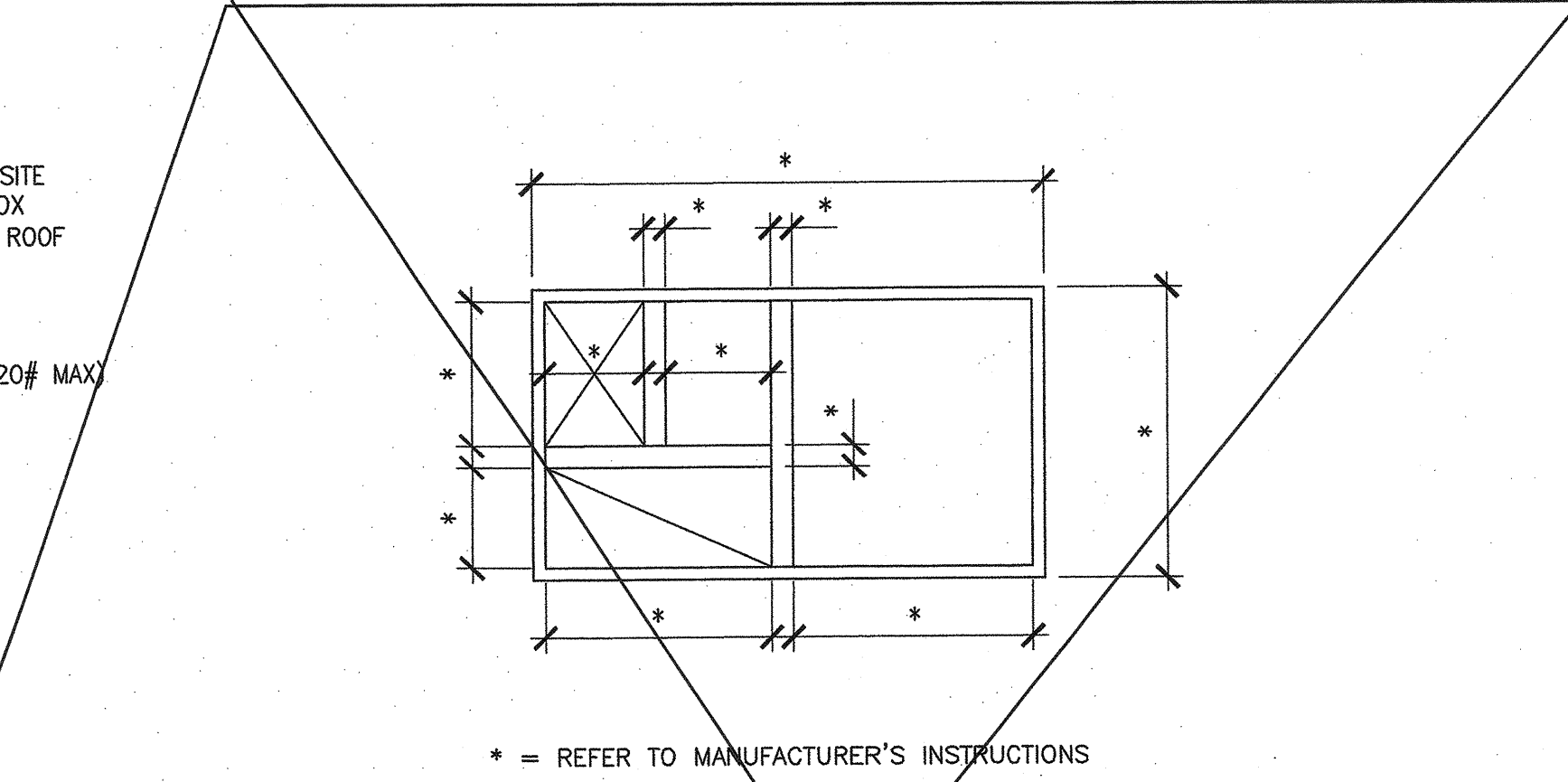
NOTE: STRAP ANGLE VARIANCE ALLOWED DUE TO LOCATION OF ROOF FRAMING MEMBERS ABOVE



NOTE: STRAP ANGLE VARIANCE ALLOWED DUE TO LOCATION OF ROOF FRAMING MEMBERS ABOVE

B

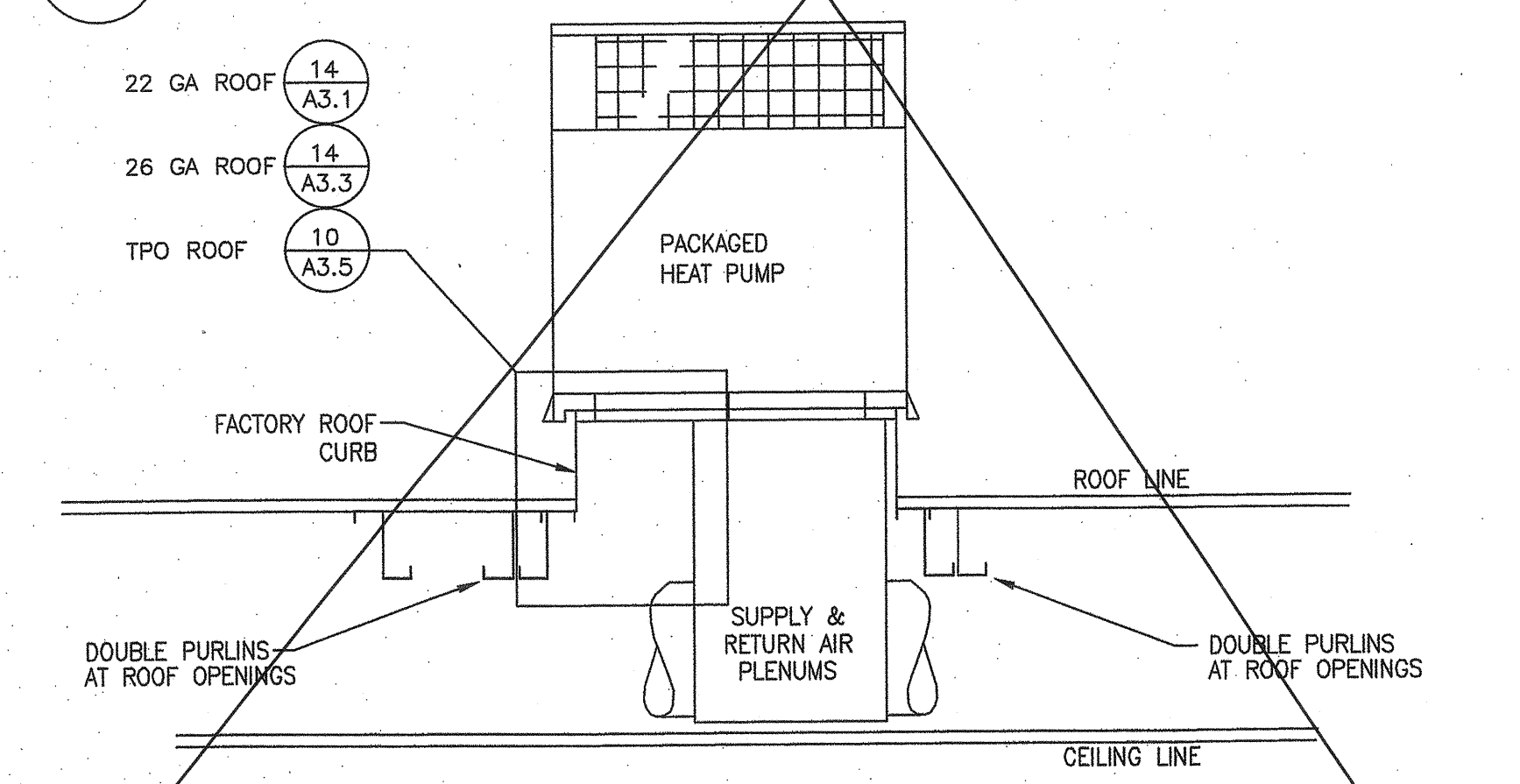
SIDE VIEW AT SUPPLY/REGISTER



\* = REFER TO MANUFACTURER'S INSTRUCTIONS

C

HEAT PUMP CURB PLAN VIEW



D

SECTION THRU ROOF TOP HEAT PUMP

PROJECT SPECIFIC STATE AGENCY APPROVAL



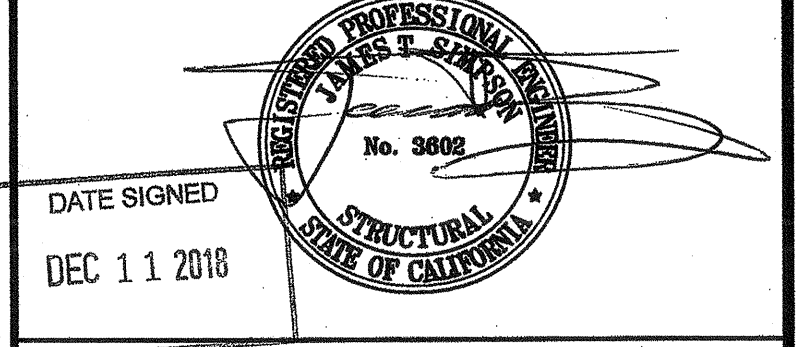
CONTRACTORS LICENSE #637357  
 NORTHERN CALIFORNIA DIVISION 1200 AIRPORT DRIVE CHINWILLA, CA 95015  
 PHONE: (509) 865-5800 FAX: (509) 865-5700 WEBSITE: WWW.GMODULAR.COM  
 SOUTHERN CALIFORNIA DIVISION 1860 CHICAGO AVE., SUITE #M-21 RIVERSIDE, CA 92507  
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PROJECT NAME:

SHEET TITLE:  
**MECHANICAL DETAILS**

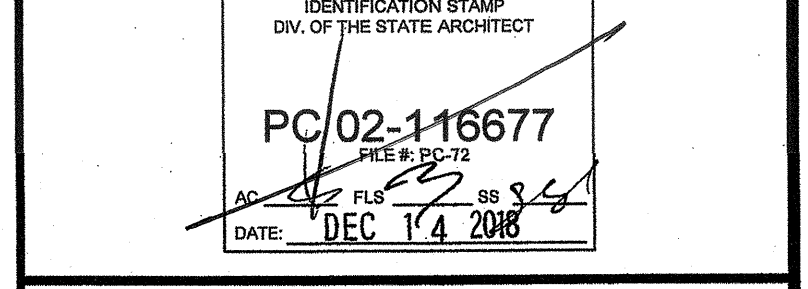
MFR. STRUCTURAL ENGINEER OF RECORD ON PC



MFR. PROJECT SPECIFIC PROFESSIONAL OF RECORD



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

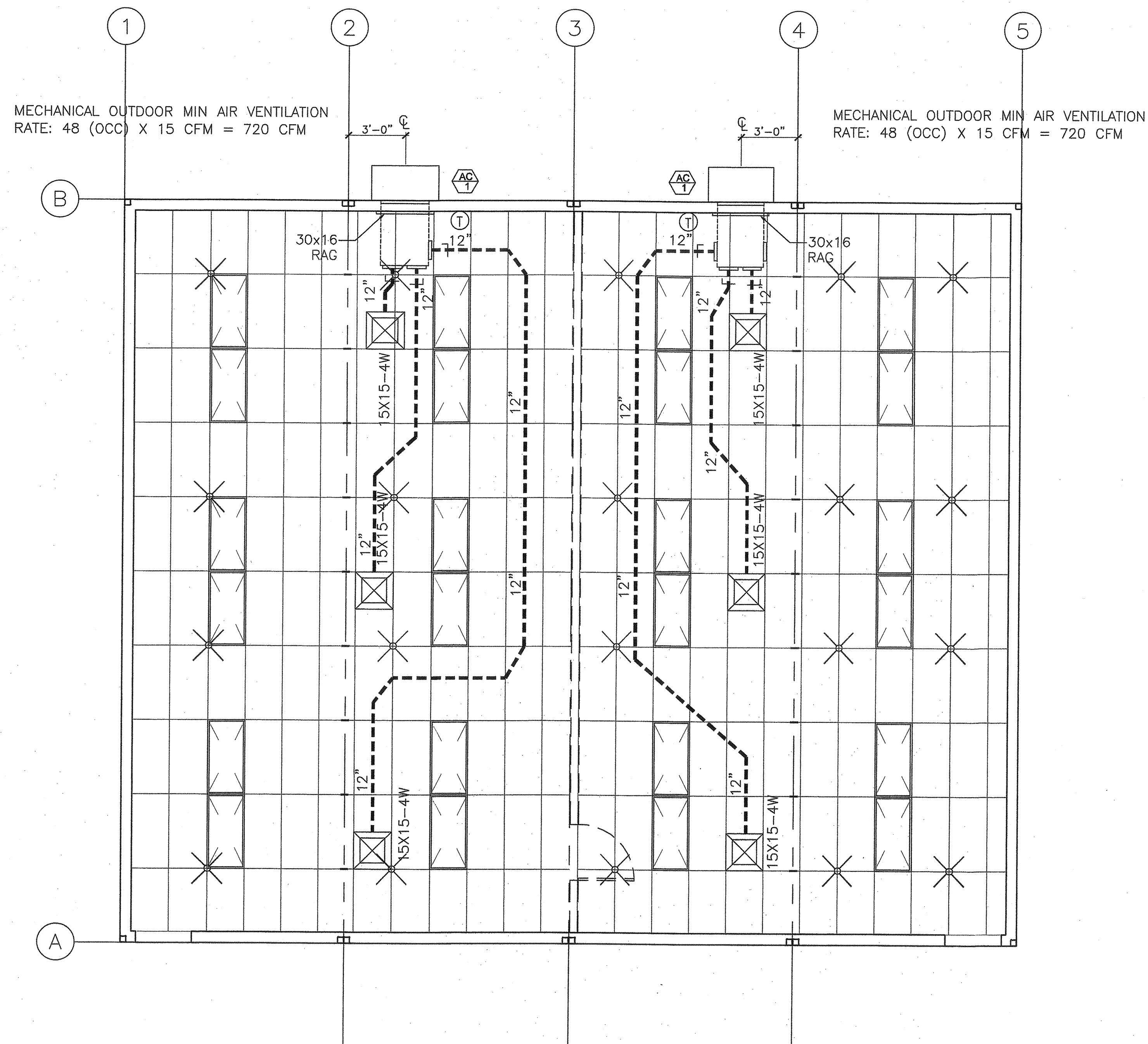


REVISIONS


PROJECT NO.: 00-0000  
 DRAWN BY: 00  
 SCALE: AS NOTED  
 DATE: 00-00-00

SHEET NUMBER  
**M0.1**

IDENTIFICATION STAMP  
 DIV. OF THE STATE ARCHITECT  
 APPROX 1 2 0 2 0 0  
 AC: [Signature] FLS: [Signature] SS: [Signature]  
 DATE: OCT 0 2 2016



**AIR CONDITIONING PLAN VIEW**  
SCALE: 1/4" = 1'-0"

**PROJECT SPECIFIC (CHECK ONE):**  
 STANDARD DESIGN AS SHOWN  
 SOLATUBE OPTION. REFERENCE SHEET A11.0

- NOTES:**
- REFER TO SHEET M0.0 & M0.1 FOR DETAILS, LEGEND AND SCHEDULES.
  - BUILDING OVERHANG PROJECTION MUST BE A MINIMUM 36" FOR ANY HVAC UNIT 13.00 SEER AND GREATER.
  - DUCT SEALING LEAKAGE RATE SHALL NOT EXCEED 6%.
  - WHEN AN INTERIOR ROOM(S) ARE ADDED AND COMBINED A/C SYSTEM EXCEEDS 2000 CFM, AN AUTOMATIC SHUT DOWN OF A/C UNITS MUST BE PROVIDED AND SHOWN ON THIS PLAN SET AND COORDINATED WITH THE ARCHITECT'S FIRE ALARM SYSTEM DRAWINGS PER CMC SECTION 608.1.
  - PER ENERGY CODE SECTION 120.2(e), EACH SPACE-CONDITIONING SYSTEM SHALL BE INSTALLED WITH CONTROLS THAT COMPLY WITH THE FOLLOWING:  
 THE CONTROLS SHALL BE CAPABLE OF AUTOMATICALLY SHUTTING OFF THE SYSTEM DURING PERIODS OF NON-USE AND SHALL HAVE:  
 A. AN AUTOMATIC TIME SWITCH CONTROL DEVICE COMPLYING WITH SECTION 110.9, WITH AN ACCESSIBLE MANUAL OVERRIDE THAT ALLOWS OPERATION OF THE SYSTEM FOR UP TO 4 HOURS; OR  
 B. AN OCCUPANCY SENSOR; OR  
 C. A 4-HOUR TIMER THAT CAN BE MANUALLY OPERATED.

PROJECT SPECIFIC STATE AGENCY APPROVAL

**GLOBAL MODULAR**  
Incorporated

**AURORA MODTECH**  
MODULAR STRUCTURES INTERNATIONAL, INC.

CONTRACTORS LICENSE #637357

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PROJECT NAME:

SHEET TITLE:  
**MECHANICAL PLAN  
 WALL MOUNT  
 48'X40'**

MFR. STRUCTURAL ENGINEER OF RECORD ON PC

DATE SIGNED  
 DEC 11 2018

MFR. PROJECT SPECIFIC PROFESSIONAL OF RECORD

ARCHITECT OF RECORD

IDENTIFICATION STAMP  
 DIV. OF THE STATE ARCHITECT  
 APPROX 120280  
 AC N FLS SS  
 DATE 09-03-2018

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

IDENTIFICATION STAMP  
 DIV. OF THE STATE ARCHITECT  
 PC 02-116677  
 DATE DEC 14 2018

REVISIONS

PROJECT NO.: 00-0000  
 DRAWN BY: 00  
 SCALE: AS NOTED  
 DATE: 00-00-00

SHEET NUMBER  
**M1.3**

Project Name: 120040 (PC 02-11607) - Wall AC		NRC-PRF-01-E Page 1 of 18	
Project Address: Climate Zone 16 Blue Canyon		Calculation Date/Time: 11:50, Thu, Sep 20, 2018	
Compliance Scope: NewComplete		Input File Name: 120040 PC - C216(Wall AC)75 SPVHR.tbl1x	

<b>A. PROJECT GENERAL INFORMATION</b>			
1. Project Location (City)	Blue Canyon	8. Standards Version	Compliance2016
2. CA Title Code	16	9. Compliance Software (Version)	EnergyPro 7.2
3. Climate Zone	16	10. Weather File	BLUE-CANYON_72504L_C2016.apw
4. Total Unconditioned Floor Area in Scope	4,800 ft <sup>2</sup>	11. Building Orientation (deg)	(0) 75-deg
5. Total Unconditioned Floor Area	0 ft <sup>2</sup>	12. Permitted Scope of Work	NewComplete
6. Total # of Stories (Habitable Above Grade)	1	13. Building Type(s)	Nonresidential
7. Total # of Dwelling Units	0	14. Gas Type	NaturalGas

<b>B. COMPLIANCE RESULTS FOR PERFORMANCE COMPONENTS (Annual TDV Energy Use, kWh/ft<sup>2</sup>-yr)</b>				
<b>\$ 140.1</b>				
<b>BUILDING COMPLIES</b>				
1. Energy Component	2. Standard Design (TDV)	3. Proposed Design (TDV)	4. Compliance Margin (TDV)	5. Percent Better than Standard
Space Heating	34.88	62.60	-27.72	-79.7%
Space Cooling	20.56	26.30	-5.74	-27.9%
Indoor Fans	303.99	60.00	243.99	79.9%
Heat Rejection	-	-	-	-
Pumps & Misc.	-	-	-	-
Domestic Hot Water	12.00	12.00	0.00	0.0%
Indoor Lighting	48.85	33.57	15.28	31.3%
Nonresidential	64.49	64.49	0.00	0.0%
Process	-	-	-	-
Other Use	-	-	-	-
Process Motors	-	-	-	-
<b>TOTAL</b>	<b>816.76</b>	<b>289.19</b>	<b>527.57</b>	<b>64.6%</b>

CA Building Energy Efficiency Standards - 2016 Nonresidential Compliance Report Version: NRC-PRF-01-E-09132018-5383 Report Generated at: 2018-09-20 13:51:13

Project Name: 120040 (PC 02-11607) - Wall AC		NRC-PRF-01-E Page 2 of 18	
Project Address: Climate Zone 16 Blue Canyon		Calculation Date/Time: 11:50, Thu, Sep 20, 2018	
Compliance Scope: NewComplete		Input File Name: 120040 PC - C216(Wall AC)75 SPVHR.tbl1x	

<b>C. PRIORITY PLAN CHECK / INSPECTION ITEMS</b> (In order of highest to lowest TDV energy savings)	
1st	Indoor Fans: Check envelope and mechanical
2nd	Indoor Lighting: Check lighting
3rd	Heat Rejection: Check envelope and mechanical
4th	Pumps & Misc.: Check mechanical
5th	Domestic Hot Water: Check mechanical
6th	Space Cooling: Check envelope and mechanical
7th	Space Heating: Check envelope and mechanical

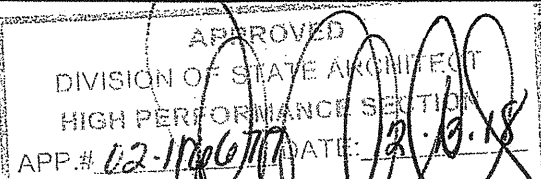
<b>D. EXCEPTIONAL CONDITIONS</b>	
The building does not include service water heating. Verify that service water heating is not required and is not included in the design.	
This project uses the Simplified Geometry Performance Modeling Approach which is not capable of modeling daylighting controls and assumes the prescriptive Secondary Daylight Control requirements are met. PREScriptive COMPLIANCE documentation from NRC-01-02-03 for the requirements of section 140.16(1) Automatic Daylighting Controls in Secondary Daylight Zones is required.	

<b>E. HERS VERIFICATION</b>	
This Section Does Not Apply	

<b>F. ADDITIONAL REMARKS</b>	
Standard Building Compliance	

CA Building Energy Efficiency Standards - 2016 Nonresidential Compliance Report Version: NRC-PRF-01-E-09132018-5383 Report Generated at: 2018-09-20 13:51:13

Project Name: 120040 (PC 02-11607) - Wall AC		NRC-PRF-01-E Page 3 of 18	
Project Address: Climate Zone 16 Blue Canyon		Calculation Date/Time: 11:50, Thu, Sep 20, 2018	
Compliance Scope: NewComplete		Input File Name: 120040 PC - C216(Wall AC)75 SPVHR.tbl1x	

<b>G. COMPLIANCE PATH &amp; CERTIFICATE OF COMPLIANCE SUMMARY</b>			
Identify which building components use the performance or prescriptive path for compliance. "NA" = not in project			
For components that utilize the performance path, indicate the sheet number that includes mandatory notes or plans.			
Building Component	Compliance Path	Compliance Forms (required for submittal)	Location of Mandatory Notes on Plans
Envelope	<input checked="" type="checkbox"/> Performance	NRC-PRF-ENV-DETAILS (section of the NRC-PRF-01-E)	
	<input type="checkbox"/> Prescriptive	NRC-ENV-01 / 02 / 03 / 04 / 05 / 06-E	
Mechanical	<input checked="" type="checkbox"/> Performance	NRC-PRF-MCH-DETAILS (section of the NRC-PRF-01-E)	
	<input type="checkbox"/> Prescriptive	NRC-MCH-01 / 02 / 03 / 04 / 05 / 06-E	
Domestic Hot Water	<input checked="" type="checkbox"/> Performance	NRC-PRF-DHW-DETAILS (section of the NRC-PRF-01-E)	
	<input type="checkbox"/> Prescriptive	NRC-DHW-01 / 02 / 03 / 04 / 05-E	
Lighting (Indoor Conditioned)	<input checked="" type="checkbox"/> Performance	NRC-PRF-LI-DETAILS (section of the NRC-PRF-01-E)	
	<input type="checkbox"/> Prescriptive	NRC-LI-01 / 02 / 03 / 04 / 05-E	
Covered Process: Commercial Kitchen	<input checked="" type="checkbox"/> Performance	S2 (section of the NRC-PRF-01-E)	
	<input type="checkbox"/> Prescriptive	NRC-PRF-CU / 01-E	
Covered Process: Computer Rooms	<input checked="" type="checkbox"/> Performance	S3 (section of the NRC-PRF-01-E)	
	<input type="checkbox"/> Prescriptive	NRC-PRF-CU / 04-E	
Covered Process: Laboratory Exhaust	<input checked="" type="checkbox"/> Performance	S4 (section of the NRC-PRF-01-E)	
	<input type="checkbox"/> Prescriptive	NRC-PRF-CU / 05-E	

CA Building Energy Efficiency Standards - 2016 Nonresidential Compliance Report Version: NRC-PRF-01-E-09132018-5383 Report Generated at: 2018-09-20 13:51:13

Project Name: 120040 (PC 02-11607) - Wall AC		NRC-PRF-01-E Page 4 of 18	
Project Address: Climate Zone 16 Blue Canyon		Calculation Date/Time: 11:50, Thu, Sep 20, 2018	
Compliance Scope: NewComplete		Input File Name: 120040 PC - C216(Wall AC)75 SPVHR.tbl1x	

<b>H. CERTIFICATE OF INSTALLATION, CERTIFICATE OF ACCEPTANCE &amp; CERTIFICATE OF VERIFICATION SUMMARY (NRC/NRCA/NRVC)</b>			
Documentation Author to indicate which Certificates must be submitted for the features to be recognized for compliance (Retain copies and verify forms are completed and signed to post in field for Field Inspector to verify). See Tables G and H, in MCH and LI Details Sections for Acceptance Tests and forms by equipment.			
Building Component	Compliance Forms (required for submittal)	Pass	Fail
Envelope	<input checked="" type="checkbox"/> NRC-ENV-01-E - For all buildings	<input type="checkbox"/>	<input type="checkbox"/>
	<input checked="" type="checkbox"/> NRC-ENV-02-E - NRC label verification for fenestration	<input type="checkbox"/>	<input type="checkbox"/>
Mechanical	<input checked="" type="checkbox"/> NRC-MCH-01-E - For all buildings with Mechanical Systems	<input type="checkbox"/>	<input type="checkbox"/>
	<input checked="" type="checkbox"/> NRC-MCH-02-A - Outdoor Air	<input type="checkbox"/>	<input type="checkbox"/>

CA Building Energy Efficiency Standards - 2016 Nonresidential Compliance Report Version: NRC-PRF-01-E-09132018-5383 Report Generated at: 2018-09-20 13:51:13

Project Name: 120040 (PC 02-11607) - Wall AC		NRC-PRF-01-E Page 5 of 18	
Project Address: Climate Zone 16 Blue Canyon		Calculation Date/Time: 11:50, Thu, Sep 20, 2018	
Compliance Scope: NewComplete		Input File Name: 120040 PC - C216(Wall AC)75 SPVHR.tbl1x	

<b>H. CERTIFICATE OF INSTALLATION, CERTIFICATE OF ACCEPTANCE &amp; CERTIFICATE OF VERIFICATION SUMMARY (NRC/NRCA/NRVC)</b>			
Documentation Author to indicate which Certificates must be submitted for the features to be recognized for compliance (Retain copies and verify forms are completed and signed to post in field for Field Inspector to verify). See Tables G and H, in MCH and LI Details Sections for Acceptance Tests and forms by equipment.			
Building Component	Compliance Forms (required for submittal)	Pass	Fail
Plumbing	<input checked="" type="checkbox"/> NRC-PLB-01-E - For all buildings with Plumbing Systems	<input type="checkbox"/>	<input type="checkbox"/>
	<input checked="" type="checkbox"/> NRC-PLB-02-E - required on central systems in high-rise residential, hotel/motel application.	<input type="checkbox"/>	<input type="checkbox"/>
Indoor Lighting	<input checked="" type="checkbox"/> NRC-LI-01-E - For all buildings	<input type="checkbox"/>	<input type="checkbox"/>
	<input checked="" type="checkbox"/> NRC-LI-02-E - Lighting control system, or for an Energy Management Control System (EMCS)	<input type="checkbox"/>	<input type="checkbox"/>

CA Building Energy Efficiency Standards - 2016 Nonresidential Compliance Report Version: NRC-PRF-01-E-09132018-5383 Report Generated at: 2018-09-20 13:51:13

Project Name: 120040 (PC 02-11607) - Wall AC		NRC-PRF-01-E Page 6 of 18	
Project Address: Climate Zone 16 Blue Canyon		Calculation Date/Time: 11:50, Thu, Sep 20, 2018	
Compliance Scope: NewComplete		Input File Name: 120040 PC - C216(Wall AC)75 SPVHR.tbl1x	

<b>H. CERTIFICATE OF INSTALLATION, CERTIFICATE OF ACCEPTANCE &amp; CERTIFICATE OF VERIFICATION SUMMARY (NRC/NRCA/NRVC)</b>			
Documentation Author to indicate which Certificates must be submitted for the features to be recognized for compliance (Retain copies and verify forms are completed and signed to post in field for Field Inspector to verify). See Tables G and H, in MCH and LI Details Sections for Acceptance Tests and forms by equipment.			
Building Component	Compliance Forms (required for submittal)	Pass	Fail
Outdoor Lighting	<input checked="" type="checkbox"/> NRC-LO-01-E - Outdoor Lighting	<input type="checkbox"/>	<input type="checkbox"/>
	<input checked="" type="checkbox"/> NRC-LO-02-E - EMCS Lighting Control System	<input type="checkbox"/>	<input type="checkbox"/>
Sign Lighting	<input checked="" type="checkbox"/> NRC-LTS-01-E - Sign Lighting	<input type="checkbox"/>	<input type="checkbox"/>
	<input checked="" type="checkbox"/> NRC-ELC-01-E - Electrical Power Distribution	<input type="checkbox"/>	<input type="checkbox"/>

CA Building Energy Efficiency Standards - 2016 Nonresidential Compliance Report Version: NRC-PRF-01-E-09132018-5383 Report Generated at: 2018-09-20 13:51:13

Project Name: 120040 (PC 02-11607) - Wall AC		NRC-PRF-01-E Page 7 of 18	
Project Address: Climate Zone 16 Blue Canyon		Calculation Date/Time: 11:50, Thu, Sep 20, 2018	
Compliance Scope: NewComplete		Input File Name: 120040 PC - C216(Wall AC)75 SPVHR.tbl1x	

<b>I. CERTIFICATE OF INSTALLATION, CERTIFICATE OF ACCEPTANCE &amp; CERTIFICATE OF VERIFICATION SUMMARY (NRC/NRCA/NRVC)</b>			
Documentation Author to indicate which Certificates must be submitted for the features to be recognized for compliance (Retain copies and verify forms are completed and signed to post in field for Field Inspector to verify). See Tables G and H, in MCH and LI Details Sections for Acceptance Tests and forms by equipment.			
Building Component	Compliance Forms (required for submittal)	Pass	Fail
Covered Process	<input checked="" type="checkbox"/> NRC-PRF-01-E - Covered Processes	<input type="checkbox"/>	<input type="checkbox"/>
	<input checked="" type="checkbox"/> NRC-PRF-01-F - Compressed Air Systems	<input type="checkbox"/>	<input type="checkbox"/>

<b>J. ENVELOPE GENERAL INFORMATION</b> (See NRC-PRF-ENV-DETAILS for more information)			
1. Total Unconditioned Floor Area	4,800 ft <sup>2</sup>	5. Number of Floors Above Grade	1
2. Total Unconditioned Floor Area	0 ft <sup>2</sup>	6. Number of Floors Below Grade	0
3. Addition Conditioned Floor Area	0 ft <sup>2</sup>		
4. Addition Unconditioned Floor Area	0 ft <sup>2</sup>		

<b>7. OPERATING SURFACES &amp; ORIENTATION</b>		<b>8. Total Gross Surface Area</b>		<b>9. Total Fenestration Area</b>		<b>10. Window to Wall Ratio</b>	
North Wall	1,200 ft <sup>2</sup>	1,200 ft <sup>2</sup>	0 ft <sup>2</sup>	0 ft <sup>2</sup>	0.00%	0.00%	<input type="checkbox"/>
East Wall	400 ft <sup>2</sup>	400 ft <sup>2</sup>	0 ft <sup>2</sup>	0 ft <sup>2</sup>	0.00%	0.00%	<input type="checkbox"/>
South Wall	1,200 ft <sup>2</sup>	1,200 ft <sup>2</sup>	0 ft <sup>2</sup>	0 ft <sup>2</sup>	0.00%	0.00%	<input type="checkbox"/>
West Wall	400 ft <sup>2</sup>	400 ft <sup>2</sup>	0 ft <sup>2</sup>	0 ft <sup>2</sup>	0.00%	0.00%	<input type="checkbox"/>
<b>Total</b>	<b>3,200 ft<sup>2</sup></b>	<b>3,200 ft<sup>2</sup></b>	<b>0 ft<sup>2</sup></b>	<b>0 ft<sup>2</sup></b>	<b>0.00%</b>	<b>0.00%</b>	<input type="checkbox"/>
Roof	4,800 ft <sup>2</sup>	4,800 ft <sup>2</sup>	0 ft <sup>2</sup>	0 ft <sup>2</sup>	0.00%	0.00%	<input type="checkbox"/>

CA Building Energy Efficiency Standards - 2016 Nonresidential Compliance Report Version: NRC-PRF-01-E-09132018-5383 Report Generated at: 2018-09-20 13:51:13

Project Name: 120040 (PC 02-11607) - Wall AC		NRC-PRF-01-E Page 8 of 18	
Project Address: Climate Zone 16 Blue Canyon		Calculation Date/Time: 11:50, Thu, Sep 20, 2018	
Compliance Scope: NewComplete		Input File Name: 120040 PC - C216(Wall AC)75 SPVHR.tbl1x	

<b>K. FENESTRATION ASSEMBLY SUMMARY</b>									
1.	2.	3.	4.	5.	6.	7.	8.	9.	10.
Fenestration Assembly Name / Tag or ID	Fenestration Type / Product Type / Frame Type	Certification Method <sup>1</sup>	Assembly Method	Area (ft <sup>2</sup> )	Overall U-factor	Overall SHGC	Overall VT	SC <sup>2</sup>	SHGC <sup>3</sup>
Sierra Pacific Windows	Vertical Fenestration Fixed/Window NA	NRC Rated	Manufactured	320	0.35	0.24	0.50	N	<input type="checkbox"/>
Sola Tube	Sloped Fenestration Fixed/Window NA	NRC Rated	Manufactured	90	0.39	0.37	0.50	N	<input type="checkbox"/>

<b>L. OPAQUE SURFACE ASSEMBLY SUMMARY</b>									
1.	2.	3.	4.	5.	6.	7.	8.	9.	10.
Surface Name	Surface Type	Area (ft <sup>2</sup> )	Framing Type	Cavity R-Value	Continuous R-Value	U-Factor / f-Factor	f-C-Factor	SHGC	VT
R-19 Wall Metal Studs	External/Wall	4200	Metal	19	4	U-Factor: 0.097	N	<input type="checkbox"/>	<input type="checkbox"/>
Rated 5th Floor with R-12	External/Floor	6000	Metal	11	NA	U-Factor: 0.097	N	<input type="checkbox"/>	<input type="checkbox"/>
Standing Seam R-30 Metal-4	Roof	4800	NA	30	NA	U-Factor: 0.072	N	<input type="checkbox"/>	<input type="checkbox"/>

<b>M. ROOFING PRODUCT SUMMARY</b>						
1.	2.	3.	4.	5.	6.	7.
Product Type	Product Density (lb/ft <sup>2</sup> )	Age-Related Solar Reflectance	Thermal Emittance	SHGC	Cool Roof Credit	Roofing Product Description
Standing Seam R-30 Metal-4	2.543	0.08	0.75	NA	No	NA

CA Building Energy Efficiency Standards - 2016 Nonresidential Compliance Report Version: NRC-PRF-01-E-09132018-5383 Report Generated at: 2018-09-20 13:51:13

Project Name: 120040 (PC 02-11607) - Wall AC		NRC-PRF-01-E Page 9 of 18	
Project Address: Climate Zone 16 Blue Canyon		Calculation Date/Time: 11:50, Thu, Sep 20, 2018	
Compliance Scope: NewComplete		Input File Name: 120040 PC - C216(Wall AC)75 SPVHR.tbl1x	

<b>N. HVAC SYSTEM SUMMARY</b> (See NRC-PRF-MCH-DETAILS for more information)										
Dry System Equipment <sup>1</sup> Fan & Economizer Info (included below in Table N)										
1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.
Equip Name	Equip Type	System Type (Simple <sup>2</sup> or Complex <sup>3</sup> )	Total Heating Capacity (MBH/h)	Supply Heat Source (VWT)	Supply Heat Output (MBH/h)	Total Cooling Capacity (MBH/h)	Efficiency	Acceptance Testing Required (Y/N) <sup>4</sup>	RECY	REC
AC-1	SPVSP (Packaged 1Phase)	Simple	5	32	No	0	34	EER-11.00 COP-3.30	Yes	N

<b>O. ECONOMIZER &amp; FAN SYSTEMS SUMMARY</b>										
1.	2.	3.	4.	5.						
Equip Name	Outside Air	Supply Fan	Return Fan	Economizer Type (if present)						
AC-1	CFM	HP	BHP	CFM						
AC-1	360	1500	0.500	1.44						

CA Building Energy Efficiency Standards - 2016 Nonresidential Compliance Report Version: NRC-PRF-01-E-09132018-5383 Report Generated at: 2018-09-20 13:51:13

PROJECT SPECIFIC STATE AGENCY APPROVAL

**GLOBAL MODULAR**  
INCORPORATED

**AURORA MODTECH**  
DESIGNS

CONTRACTORS LICENSE #637357

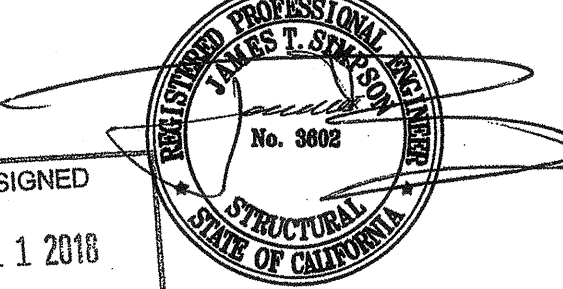
NORTHERN CALIFORNIA DIVISION 1800 CHANDLER AVE., SUITE 200-21  
CHOWCHILLA, CA 93610 PHONE: (559) 886-3600  
SOUTHERN CALIFORNIA DIVISION 1800 CHANDLER AVE., SUITE 200-21  
RIVERSIDE, CA 92507 PHONE: (951) 886-3633  
FAX: (559) 886-3700 FAX: (951) 886-3682  
WEBSITE: WWW.GMODL.COM WEBSITE: WWW.AMODT.COM

PROJECT NAME:

SHEET TITLE:  
**TITLE 24 REPORTS**  
1 OF 9

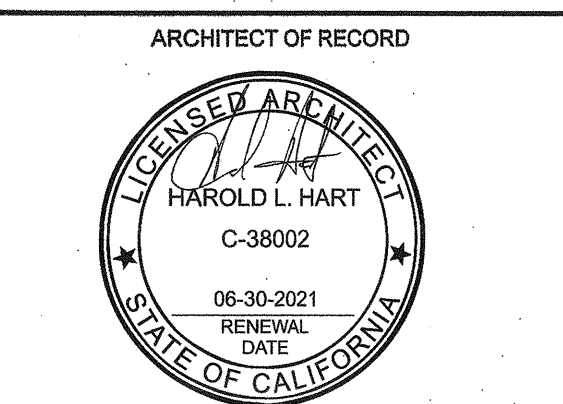
M.P.R. STRUCTURAL ENGINEER OF RECORD ON PC

DATE SIGNED  
DEC 11 2018



M.P.R. PROJECT SPECIFIC PROFESSIONAL OF RECORD

ARCHITECT OF RECORD



PRE-CHECK (PC) DOCUMENT CODE: 2018 C2C

A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRED

IDENTIFICATION STAMP  
DIV. OF THE STATE ARCHITECT

PC 02-116077

DATE: DEC 14 2018

REVISIONS

PROJECT NO.: 00-0000

DRAWN BY: 00

SCALE: AS NOTED

DATE: 00-00-00

SHEET NUMBER

**M3.0**

IDENTIFICATION STAMP  
DIV. OF THE STATE ARCHITECT

APPC 120280

DATE: OCT 03 2018



**ENVELOPE MANDATORY MEASURES: NONRESIDENTIAL** ENV-MM  
 Project Name: 120X40 (PC 02-116677) - Wall AC Date: 9/20/2018

**DESCRIPTION**

**Building Envelope Measures:**

§110.66: All Insulating Material shall be installed in accordance with the manufacturer's instructions to comply with the California Quality Standards for Insulating Material, Title 20 Chapter 4, Article 3.

§110.66(c): All Insulating Material shall be installed in accordance with the flame spread rating and smoke density requirements of Sections 2002 and 707 of Title 24, Part 2.

§110.66(d): Heated slab floors shall be insulated according to the requirements in Table 110-B-A.

§110.74(a): All Exterior Joints and openings in the building that are observable sources of air leakage shall be caulked, gasketed, weatherstripped or otherwise sealed.

§110.69(a): Manufactured fenestration products and exterior doors shall have air infiltration rates not exceeding 0.3 cfm/ft<sup>2</sup> of window area, 0.3 cfm/ft<sup>2</sup> of door area for residential doors, 0.3 cfm/ft<sup>2</sup> of door area for nonresidential single doors (swing and sliding), and 1.0 cfm/ft<sup>2</sup> for nonresidential double doors (swing).

§110.69(b): Fenestration U-factor shall be rated in accordance with NFRC 100, or the applicable default U-factor.

§110.69(c): Fenestration SHGC shall be rated in accordance with NFRC 100, or NFRC 100 for site-built fenestration, or the applicable default SHGC.

§110.69(d): Site Constructed Doors, Windows and Skylights shall be caulked between the unit and the building, and shall be weatherstripped (except for unitized glass doors and fire doors).

§110.69(e): The opaque portions of the roof/ceiling that separate conditioned spaces from unconditioned spaces or ambient air shall meet the applicable U-factor requirements as follows:

§120.76(a): Metal Building: The weighted average U-factor of the roof assembly shall not exceed 0.098.

§120.76(b): Wood Framed and Others: The weighted average U-factor of the roof assembly shall not exceed 0.075.

§120.76(c): The opaque portions of walls that separate conditioned spaces from unconditioned spaces or ambient air shall meet the applicable U-factor requirements as follows:

§120.76(d): Metal Building: The weighted average U-factor of the wall assembly shall not exceed 0.113.

§120.76(e): Metal Framed: The weighted average U-factor of the wall assembly shall not exceed 0.151.

§120.76(f): Light Mass Walls: A 6 inch or greater Hollow Core Concrete Masonry Unit shall have a U-factor not to exceed 0.440.

§120.76(g): Heavy Mass Walls: An 8 inch or greater Hollow Core Concrete Masonry Unit shall have a U-factor not to exceed 0.690.

§120.76(h): Wood Framed and Others: The weighted average U-factor of the wall assembly shall not exceed 0.110.

§120.76(i): Spandrel Panels and Opaque Curtain Wall: The weighted average U-factor of the spandrel panels and opaque curtain wall assembly shall not exceed 0.290.

§120.76(j): Draining Walls: The opaque portions of framed draining walls shall meet the requirements of Item A or B below:

A. Wood framed walls shall be insulated to meet a U-factor not greater than 0.099.

B. Metal Framed walls shall be insulated to meet a U-factor not greater than 0.151.

§120.76(k): The opaque portions of floors and ceilings that separate conditioned spaces from unconditioned spaces or ambient air shall meet the applicable U-factor requirements as follows:

§120.76(l): Rusted Mass Floors: Shall have a minimum of 3 inches of lightweight concrete over a metal deck or the weighted average U-factor of the floor assembly shall not exceed 0.269.

§120.76(m): Other Floors: The weighted average U-factor of the floor assembly shall not exceed 0.071.

**STATE OF CALIFORNIA WATER HEATING SYSTEM GENERAL INFORMATION**  
 CERTIFICATE OF COMPLIANCE NRC-PUB-01-E  
 Water Heating System General Information (Page 1 of 2)

**A. GENERAL INFORMATION/SYSTEM INFORMATION**

01 Water Heater System Name: WH-1  
 02 Water Heater System Configuration: Single Dwelling Unit  
 03 Water Heater System Type: Domestic Hot Water  
 04 Building Type: Nonresidential  
 05 Total Number of Water Heaters in Systems: 1  
 06 Central DHW Distribution Type: Other  
 07 Dwelling Unit DHW Distribution Type: Standard Distribution System (STD)

**B. WATER HEATER INFORMATION**  
 Each water heater type requires a separate form.

01 Water Heater Type: Small Storage - Electric  
 02 Fuel Type: Electricity  
 03 Manufacturer Name: Bradford White  
 04 Model Number: RE18L8G  
 05 Number of Identical Water Heaters: None  
 06 Installed Water Heater System Efficiency: 0.96-0.003294  
 07 Required Minimum Efficiency: 0.96-0.003294  
 08 Standby Loss Percent or Standby Loss Total: 0  
 09 Rated Input: 0  
 10 Pilot Energy: 0  
 11 Water Heater Tank Storage Volume: 6  
 12 Exterior Insulation on Water Heater: None  
 13 Volume of Supplemental Storage: N/A  
 14 Internal Insulation on Supplemental Storage: N/A  
 15 Exterior Insulation on Supplemental Storage: N/A

**C. PLUMBING COMPLIANCE FORMS & WORKSHEETS**  
 (check box if worksheet is included)

YES NO Form/Worksheet # Title  
  NRC-PUB-01-E Certificate of Compliance, Declaration, Required on plans for all submittals.  
  NRC-PUB-01-E Certificate of Installation, Required on plans for all submittals.  
  NRC-PUB-02-E Certificate of Installation, required on central systems in high-rise residential, hotel/motel application.  
  NRC-PUB-03-E Certificate of Installation, required on single dwelling unit systems in high-rise residential, hotel/motel application.  
  NRC-PUB-21-H Certificate of Installation, required on HERS verified central systems in high-rise residential, hotel/motel application.  
  NRC-PUB-22-H Certificate of Installation, required on HERS verified single dwelling unit systems in high-rise residential, hotel/motel application.  
  NRC-STH-01-E Certificate of Installation, required on any solar water heating.

**STATE OF CALIFORNIA WATER HEATING SYSTEM GENERAL INFORMATION**  
 CERTIFICATE OF COMPLIANCE NRC-PUB-01-E  
 Water Heating System General Information (Page 1 of 2)

**A. GENERAL INFORMATION/SYSTEM INFORMATION**

01 Water Heater System Name: WH-2  
 02 Water Heater System Configuration: Single Dwelling Unit  
 03 Water Heater System Type: Domestic Hot Water  
 04 Building Type: Nonresidential  
 05 Total Number of Water Heaters in Systems: 1  
 06 Central DHW Distribution Type: Other  
 07 Dwelling Unit DHW Distribution Type: Standard Distribution System (STD)

**B. WATER HEATER INFORMATION**  
 Each water heater type requires a separate form.

01 Water Heater Type: Small Storage - Electric  
 02 Fuel Type: Electricity  
 03 Manufacturer Name: Bradford White  
 04 Model Number: RE12L2U  
 05 Number of Identical Water Heaters: None  
 06 Installed Water Heater System Efficiency: 0.96-0.003294  
 07 Required Minimum Efficiency: 0.96-0.003294  
 08 Standby Loss Percent or Standby Loss Total: 0  
 09 Rated Input: 0  
 10 Pilot Energy: 0  
 11 Water Heater Tank Storage Volume: 12  
 12 Exterior Insulation on Water Heater: None  
 13 Volume of Supplemental Storage: N/A  
 14 Internal Insulation on Supplemental Storage: N/A  
 15 Exterior Insulation on Supplemental Storage: N/A

**C. PLUMBING COMPLIANCE FORMS & WORKSHEETS**  
 (check box if worksheet is included)

YES NO Form/Worksheet # Title  
  NRC-PUB-01-E Certificate of Compliance, Declaration, Required on plans for all submittals.  
  NRC-PUB-01-E Certificate of Installation, Required on plans for all submittals.  
  NRC-PUB-02-E Certificate of Installation, required on central systems in high-rise residential, hotel/motel application.  
  NRC-PUB-03-E Certificate of Installation, required on single dwelling unit systems in high-rise residential, hotel/motel application.  
  NRC-PUB-21-H Certificate of Installation, required on HERS verified central systems in high-rise residential, hotel/motel application.  
  NRC-PUB-22-H Certificate of Installation, required on HERS verified single dwelling unit systems in high-rise residential, hotel/motel application.  
  NRC-STH-01-E Certificate of Installation, required on any solar water heating.

**STATE OF CALIFORNIA WATER HEATING SYSTEM GENERAL INFORMATION**  
 CERTIFICATE OF COMPLIANCE NRC-PUB-01-E  
 Water Heating System General Information (Page 1 of 2)

**A. GENERAL INFORMATION/SYSTEM INFORMATION**

01 Water Heater System Name: WH-3  
 02 Water Heater System Configuration: Single Dwelling Unit  
 03 Water Heater System Type: Domestic Hot Water  
 04 Building Type: Nonresidential  
 05 Total Number of Water Heaters in Systems: 1  
 06 Central DHW Distribution Type: Other  
 07 Dwelling Unit DHW Distribution Type: Standard Distribution System (STD)

**B. WATER HEATER INFORMATION**  
 Each water heater type requires a separate form.

01 Water Heater Type: Small Storage - Electric  
 02 Fuel Type: Electricity  
 03 Manufacturer Name: Bradford White  
 04 Model Number: RE18L8G  
 05 Number of Identical Water Heaters: None  
 06 Installed Water Heater System Efficiency: 0.96-0.003294  
 07 Required Minimum Efficiency: 0.96-0.003294  
 08 Standby Loss Percent or Standby Loss Total: 0  
 09 Rated Input: 0  
 10 Pilot Energy: 0  
 11 Water Heater Tank Storage Volume: 6  
 12 Exterior Insulation on Water Heater: None  
 13 Volume of Supplemental Storage: N/A  
 14 Internal Insulation on Supplemental Storage: N/A  
 15 Exterior Insulation on Supplemental Storage: N/A

**C. PLUMBING COMPLIANCE FORMS & WORKSHEETS**  
 (check box if worksheet is included)

YES NO Form/Worksheet # Title  
  NRC-PUB-01-E Certificate of Compliance, Declaration, Required on plans for all submittals.  
  NRC-PUB-01-E Certificate of Installation, Required on plans for all submittals.  
  NRC-PUB-02-E Certificate of Installation, required on central systems in high-rise residential, hotel/motel application.  
  NRC-PUB-03-E Certificate of Installation, required on single dwelling unit systems in high-rise residential, hotel/motel application.  
  NRC-PUB-21-H Certificate of Installation, required on HERS verified central systems in high-rise residential, hotel/motel application.  
  NRC-PUB-22-H Certificate of Installation, required on HERS verified single dwelling unit systems in high-rise residential, hotel/motel application.  
  NRC-STH-01-E Certificate of Installation, required on any solar water heating.

**STATE OF CALIFORNIA WATER HEATING SYSTEM GENERAL INFORMATION**  
 CERTIFICATE OF COMPLIANCE NRC-PUB-01-E  
 Water Heating System General Information (Page 1 of 2)

**A. GENERAL INFORMATION/SYSTEM INFORMATION**

01 Water Heater System Name: WH-4  
 02 Water Heater System Configuration: Single Dwelling Unit  
 03 Water Heater System Type: Domestic Hot Water  
 04 Building Type: Nonresidential  
 05 Total Number of Water Heaters in Systems: 1  
 06 Central DHW Distribution Type: Other  
 07 Dwelling Unit DHW Distribution Type: Standard Distribution System (STD)

**B. WATER HEATER INFORMATION**  
 Each water heater type requires a separate form.

01 Water Heater Type: Storage Tank  
 02 Fuel Type: Gas  
 03 Manufacturer Name: Bradford White  
 04 Model Number: U-SAT-55FR-3N  
 05 Number of Identical Water Heaters: None  
 06 Installed Water Heater System Efficiency: 0.675-0.000294  
 07 Required Minimum Efficiency: 0.675-0.000294  
 08 Standby Loss Percent or Standby Loss Total: 0  
 09 Rated Input: 0  
 10 Pilot Energy: 0  
 11 Water Heater Tank Storage Volume: 40  
 12 Exterior Insulation on Water Heater: None  
 13 Volume of Supplemental Storage: N/A  
 14 Internal Insulation on Supplemental Storage: N/A  
 15 Exterior Insulation on Supplemental Storage: N/A

**C. PLUMBING COMPLIANCE FORMS & WORKSHEETS**  
 (check box if worksheet is included)

YES NO Form/Worksheet # Title  
  NRC-PUB-01-E Certificate of Compliance, Declaration, Required on plans for all submittals.  
  NRC-PUB-01-E Certificate of Installation, Required on plans for all submittals.  
  NRC-PUB-02-E Certificate of Installation, required on central systems in high-rise residential, hotel/motel application.  
  NRC-PUB-03-E Certificate of Installation, required on single dwelling unit systems in high-rise residential, hotel/motel application.  
  NRC-PUB-21-H Certificate of Installation, required on HERS verified central systems in high-rise residential, hotel/motel application.  
  NRC-PUB-22-H Certificate of Installation, required on HERS verified single dwelling unit systems in high-rise residential, hotel/motel application.  
  NRC-STH-01-E Certificate of Installation, required on any solar water heating.

**STATE OF CALIFORNIA WATER HEATING SYSTEM GENERAL INFORMATION**  
 CERTIFICATE OF COMPLIANCE NRC-PUB-01-E  
 Water Heating System General Information (Page 1 of 2)

**A. GENERAL INFORMATION/SYSTEM INFORMATION**

01 Water Heater System Name: WH-5  
 02 Water Heater System Configuration: Single Dwelling Unit  
 03 Water Heater System Type: Domestic Hot Water  
 04 Building Type: Nonresidential  
 05 Total Number of Water Heaters in Systems: 1  
 06 Central DHW Distribution Type: Other  
 07 Dwelling Unit DHW Distribution Type: Standard Distribution System (STD)

**B. WATER HEATER INFORMATION**  
 Each water heater type requires a separate form.

01 Water Heater Type: Storage Tank  
 02 Fuel Type: Gas  
 03 Manufacturer Name: Bradford White  
 04 Model Number: U-SAT-55FR-3N  
 05 Number of Identical Water Heaters: None  
 06 Installed Water Heater System Efficiency: 0.675-0.000294  
 07 Required Minimum Efficiency: 0.675-0.000294  
 08 Standby Loss Percent or Standby Loss Total: 0  
 09 Rated Input: 0  
 10 Pilot Energy: 0  
 11 Water Heater Tank Storage Volume: 40  
 12 Exterior Insulation on Water Heater: None  
 13 Volume of Supplemental Storage: N/A  
 14 Internal Insulation on Supplemental Storage: N/A  
 15 Exterior Insulation on Supplemental Storage: N/A

**C. PLUMBING COMPLIANCE FORMS & WORKSHEETS**  
 (check box if worksheet is included)

YES NO Form/Worksheet # Title  
  NRC-PUB-01-E Certificate of Compliance, Declaration, Required on plans for all submittals.  
  NRC-PUB-01-E Certificate of Installation, Required on plans for all submittals.  
  NRC-PUB-02-E Certificate of Installation, required on central systems in high-rise residential, hotel/motel application.  
  NRC-PUB-03-E Certificate of Installation, required on single dwelling unit systems in high-rise residential, hotel/motel application.  
  NRC-PUB-21-H Certificate of Installation, required on HERS verified central systems in high-rise residential, hotel/motel application.  
  NRC-PUB-22-H Certificate of Installation, required on HERS verified single dwelling unit systems in high-rise residential, hotel/motel application.  
  NRC-STH-01-E Certificate of Installation, required on any solar water heating.

**STATE OF CALIFORNIA WATER HEATING SYSTEM GENERAL INFORMATION**  
 CERTIFICATE OF COMPLIANCE NRC-PUB-01-E  
 Water Heating System General Information (Page 1 of 2)

**A. GENERAL INFORMATION/SYSTEM INFORMATION**

01 Water Heater System Name: WH-6  
 02 Water Heater System Configuration: Single Dwelling Unit  
 03 Water Heater System Type: Domestic Hot Water  
 04 Building Type: Nonresidential  
 05 Total Number of Water Heaters in Systems: 1  
 06 Central DHW Distribution Type: Other  
 07 Dwelling Unit DHW Distribution Type: Standard Distribution System (STD)

**B. WATER HEATER INFORMATION**  
 Each water heater type requires a separate form.

01 Water Heater Type: Instant  
 02 Fuel Type: Electricity  
 03 Manufacturer Name: Chronomite  
 04 Model Number: M-20L120  
 05 Number of Identical Water Heaters: None  
 06 Installed Water Heater System Efficiency: 0.93-0.003294  
 07 Required Minimum Efficiency: 0.93-0.003294  
 08 Standby Loss Percent or Standby Loss Total: 0  
 09 Rated Input: 0  
 10 Pilot Energy: 0  
 11 Water Heater Tank Storage Volume: Instant  
 12 Exterior Insulation on Water Heater: None  
 13 Volume of Supplemental Storage: N/A  
 14 Internal Insulation on Supplemental Storage: N/A  
 15 Exterior Insulation on Supplemental Storage: N/A

**C. PLUMBING COMPLIANCE FORMS & WORKSHEETS**  
 (check box if worksheet is included)

YES NO Form/Worksheet # Title  
  NRC-PUB-01-E Certificate of Compliance, Declaration, Required on plans for all submittals.  
  NRC-PUB-01-E Certificate of Installation, Required on plans for all submittals.  
  NRC-PUB-02-E Certificate of Installation, required on central systems in high-rise residential, hotel/motel application.  
  NRC-PUB-03-E Certificate of Installation, required on single dwelling unit systems in high-rise residential, hotel/motel application.  
  NRC-PUB-21-H Certificate of Installation, required on HERS verified central systems in high-rise residential, hotel/motel application.  
  NRC-PUB-22-H Certificate of Installation, required on HERS verified single dwelling unit systems in high-rise residential, hotel/motel application.  
  NRC-STH-01-E Certificate of Installation, required on any solar water heating.

**STATE OF CALIFORNIA WATER HEATING SYSTEM GENERAL INFORMATION**  
 CERTIFICATE OF COMPLIANCE NRC-PUB-01-E  
 Water Heating System General Information (Page 1 of 2)

**A. GENERAL INFORMATION/SYSTEM INFORMATION**

01 Water Heater System Name: WH-7  
 02 Water Heater System Configuration: Single Dwelling Unit  
 03 Water Heater System Type: Domestic Hot Water  
 04 Building Type: Nonresidential  
 05 Total Number of Water Heaters in Systems: 1  
 06 Central DHW Distribution Type: Other  
 07 Dwelling Unit DHW Distribution Type: Standard Distribution System (STD)

**B. WATER HEATER INFORMATION**  
 Each water heater type requires a separate form.

01 Water Heater Type: Instant  
 02 Fuel Type: Electricity  
 03 Manufacturer Name: Chronomite  
 04 Model Number: M-20L120  
 05 Number of Identical Water Heaters: None  
 06 Installed Water Heater System Efficiency: 0.93-0.003294  
 07 Required Minimum Efficiency: 0.93-0.003294  
 08 Standby Loss Percent or Standby Loss Total: 0  
 09 Rated Input: 0  
 10 Pilot Energy: 0  
 11 Water Heater Tank Storage Volume: Instant  
 12 Exterior Insulation on Water Heater: None  
 13 Volume of Supplemental Storage: N/A  
 14 Internal Insulation on Supplemental Storage: N/A  
 15 Exterior Insulation on Supplemental Storage: N/A

**C. PLUMBING COMPLIANCE FORMS & WORKSHEETS**  
 (check box if worksheet is included)

YES NO Form/Worksheet # Title  
  NRC-PUB-01-E Certificate of Compliance, Declaration, Required on plans for all submittals.  
  NRC-PUB-01-E Certificate of Installation, Required on plans for all submittals.  
  NRC-PUB-02-E Certificate of Installation, required on central systems in high-rise residential, hotel/motel application.  
  NRC-PUB-03-E Certificate of Installation, required on single dwelling unit systems in high-rise residential, hotel/motel application.  
  NRC-PUB-21-H Certificate of Installation, required on HERS verified central systems in high-rise residential, hotel/motel application.  
  NRC-PUB-22-H Certificate of Installation, required on HERS verified single dwelling unit systems in high-rise residential, hotel/motel application.  
  NRC-STH-01-E Certificate of Installation, required on any solar water heating.

PROJECT SPECIFIC STATE AGENCY APPROVAL

**GLOBAL MODULAR**  
 INCORPORATED

**AURORA MODTECH**  
 MODULAR STRUCTURES

CONTRACTORS LICENSE #837357

NORTHERN CALIFORNIA DIVISION 1200 AIRPORT DRIVE  
 CHOWCHILLA, CA 93510  
 PHONE: (559) 886-3600  
 FAX: (559) 886-3700  
 WEBSITE: WWW.GDM.NET

SOUTHERN CALIFORNIA DIVISION 1800 CHANDLER AVE., SUITE #8-21  
 RIVERSIDE, CA 92507  
 PHONE: (951) 886-3633  
 FAX: (951) 886-3682  
 WEBSITE: WWW.GDM.NET

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PROJECT NAME:

SHEET TITLE:

**TITLE 24 REPORTS**  
 3 OF 9

MFR. STRUCTURAL ENGINEER OF RECORD ON PC

DATE SIGNED  
 DEC 11 2018

MFR. PROJECT SPECIFIC PROFESSIONAL OF RECORD

ARCHITECT OF RECORD

**HAROLD L. HART**  
 C-38002  
 06-30-2021  
 RENEWAL DATE

PRE-CHECK (PC) DOCUMENT  
 CODE: 2018 C00  
 A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRED

IDENTIFICATION STAMP  
 DIV. OF THE STATE ARCHITECT

PC 02-116677  
 DATE: DEC 11 2018

REVISIONS

CA Building Energy Efficiency Standards - 2013 Nonresidential Compliance August 2015

CA Building Energy Efficiency Standards - 2013 Nonresidential Compliance August 2015

CA Building Energy Efficiency Standards - 2013 Nonresidential Compliance August 2015

CA Building Energy Efficiency Standards - 2013 Nonresidential Compliance August 2015

CA Building Energy Efficiency Standards - 2013 Nonresidential Compliance August 2015

APPROVED  
 DIVISION OF STATE ARCHITECT  
 HIGH PERFORMANCE BUILDING SECTION  
 APP. # 02-116677-14-13-18

IDENTIFICATION STAMP  
 DIV. OF THE STATE ARCHITECT

APPROX 120280  
 AC N FLS SS  
 DATE OCT 03 2019

PROJECT NO.: 00-0000  
 DRAWN BY: 00  
 SCALE: AS NOTED  
 DATE: 00-00-00  
 SHEET NUMBER

**M3.2**

STATE OF CALIFORNIA  
**WATER HEATING SYSTEM GENERAL INFORMATION**  
 NRC-24-11667-1 (Page 1 of 3)

**CERTIFICATE OF COMPLIANCE**  
 Project Name: 24-12040 (PC 02-11667) Report Page: 02/17/18  
 Project Address: Palm Springs (Climate Zone #15)

**DOCUMENTATION AUTHORITY'S DECLARATION STATEMENT**  
 I, the undersigned, certify that the information provided on this Certificate of Compliance is true and correct.

**RESPONSIBLE PERSON'S DECLARATION STATEMENT**  
 I, the undersigned, certify that the information provided on this Certificate of Compliance is true and correct.

Project Engineer: James T. Simpson  
 Signature: [Signature]  
 Title: Project Engineer  
 Date: 12/11/2018

STATE OF CALIFORNIA  
**MINIMUM SOLAR ZONE AREA WORKSHEET**  
 NRC-24-11667-1 (Page 1 of 3)

**CERTIFICATE OF COMPLIANCE**  
 Project Name: 24-12040 (PC 02-11667) Report Page: 02/17/18  
 Project Address: Palm Springs (Climate Zone #15)

**Step 1: Determine Minimum Solar Zone Area**  
 Calculate the minimum solar zone area using one of the two options provided below. Use option 2 if your roof and coverage are flat.

**Method 1: Minimum Solar Zone Area Based on Total Roof Area (Requirements in 24.12040)**

New Construction: Total roof area (ft <sup>2</sup> )	A	960
New Construction: Area of roof covered with skylights (ft <sup>2</sup> )	B	0
Minimum solar zone area	C = A - B	960

**Method 2: Minimum Solar Zone Area Based on Potential Solar Zone (Requirements in 24.12040)**

Area of low-sloped roof (pitch of rise to run of 2:12 or less) where the annual solar access is 70% or greater (ft <sup>2</sup> )	D	
Area of steep-sloped roof (pitch of rise to run greater than 2:12) that is oriented between 120° and 270° and annual solar access is 70% or greater (ft <sup>2</sup> )	E	
Minimum solar zone area	F = D + E	

STATE OF CALIFORNIA  
**MINIMUM SOLAR ZONE AREA WORKSHEET**  
 NRC-24-11667-1 (Page 2 of 3)

**Step 2: Allocated Solar Zone Subareas**

Subarea	Building Reference	Slope of Roof or Overhang	Is Steep-Sloped Roof or Overhang between 2:12 and 270 degrees?	Subarea complies with Part 9 of Title 24?	Subarea is free of obstructions?	Subarea is the smallest dimension greater than 5 feet?	Subarea meets minimum area requirements?	Subarea Complies?	Area (ft <sup>2</sup> )
24x40	A3.75R	Low-Sloped	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	960

**Step 3: Determine Minimum Solar Zone Area**

**Method 1: Minimum Solar Zone Area Based on Total Roof Area (Requirements in 24.12040)**

New Construction: Total roof area (ft <sup>2</sup> )	A	960
New Construction: Area of roof covered with skylights (ft <sup>2</sup> )	B	0
Minimum solar zone area	C = A - B	960

**Method 2: Minimum Solar Zone Area Based on Potential Solar Zone (Requirements in 24.12040)**

Area of low-sloped roof (pitch of rise to run of 2:12 or less) where the annual solar access is 70% or greater (ft <sup>2</sup> )	D	
Area of steep-sloped roof (pitch of rise to run greater than 2:12) that is oriented between 120° and 270° and annual solar access is 70% or greater (ft <sup>2</sup> )	E	
Minimum solar zone area	F = D + E	

STATE OF CALIFORNIA  
**MINIMUM SOLAR ZONE AREA WORKSHEET**  
 NRC-24-11667-1 (Page 3 of 3)

**CERTIFICATE OF COMPLIANCE**  
 Project Name: 24-12040 (PC 02-11667) Report Page: 02/17/18  
 Project Address: Palm Springs (Climate Zone #15)

**DOCUMENTATION AUTHORITY'S DECLARATION STATEMENT**  
 I, the undersigned, certify that the information provided on this Certificate of Compliance is true and correct.

**RESPONSIBLE PERSON'S DECLARATION STATEMENT**  
 I, the undersigned, certify that the information provided on this Certificate of Compliance is true and correct.

Project Engineer: James T. Simpson  
 Signature: [Signature]  
 Title: Project Engineer  
 Date: 12/11/2018

STATE OF CALIFORNIA  
**Solar Ready Areas**  
 NRC-24-11667-1 (Page 1 of 3)

**CERTIFICATE OF COMPLIANCE**  
 Project Name: 24-12040 (PC 02-11667) Report Page: 9/9/2018  
 Project Address: Palm Springs (Climate Zone #15)

**A. GENERAL INFORMATION**

01 Project Location (city): Palm Springs 04 Building Type: Other nonresidential bldg 3 stories or fewer  
 02 Climate Zone: 15 05 Construction Type: New Construction  
 03 Roof is designed for vehicle traffic, parking or for heliport

**B. PROJECT SCOPE**  
 My project consists of (check one):  
 Allocated Solar Zone  
 Installed Solar Photovoltaic System  
 Installed Solar Water Heating System  
 Smart Thermostat and Alternative Energy Efficiency Measure

**C. COMPLIANCE RESULTS**  
 Table Instructions: Select the compliance path the project is using to comply per 24.12040.1B  
 My project consists of (check one):  
 Allocated Solar Zone  
 Installed Solar Photovoltaic System  
 Installed Solar Water Heating System  
 Smart Thermostat and Alternative Energy Efficiency Measure

01	02	03	04	05	06	07	08	09
Required Minimum Area (ft <sup>2</sup> )	Designated Area (ft <sup>2</sup> )	Required Minimum DC Power Rating (Watts)	Designed DC Power Rating (Watts)	Required Minimum Solar Savings Fraction	Designed/Rated Solar Savings Fraction	JAS Compliant Thermostat (Specified)	Alternative Energy Efficiency Measure	
144	960	OR	OR	OR	OR	OR	OR	COMPLIES

Table Instructions: Within the construction documents show the location for inverters and metering equipment and a pathway for the routing of conduit/plumbing to the electrical service/water heating system.

STATE OF CALIFORNIA  
**Solar Ready Areas**  
 NRC-24-11667-1 (Page 2 of 3)

**CERTIFICATE OF COMPLIANCE**  
 Project Name: 24-12040 (PC 02-11667) Report Page: 9/9/2018  
 Project Address: Palm Springs (Climate Zone #15)

**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. ALLOCATED SOLAR ZONE**  
 This Section Does Not Apply

**Required Minimum Solar Zone**

01	02	03	04	05	06	07	08
Minimum Solar Zone Area Calculation Method	Total New or Added Roof Area (ft <sup>2</sup> )	Total New or Added Roof Area Covered with Skylights (ft <sup>2</sup> )	Minimum Solar Zone Based on Total or Added Roof Area (0.15 x (Roof Area - Skylight Area)) (ft <sup>2</sup> )	Method/Tool(s) Used to Determine Actual Solar Access for Potential Zones	Potential Solar Zone Areas: Roof Areas with 70% Solar Access	Steep-Sloped Area (> 2:12 pitch, Oriented 120°-270°) (ft <sup>2</sup> )	Total Potential Solar Zone Area (ft <sup>2</sup> )
	960	0	960				144

**Designated Solar Zone Subareas**

09	10	11	12	13	14	15	16	17	18	19
Subarea Name or Tag	Building Reference	Slope of Roof or Overhang (Low < 2:12 Steep > 2:12 pitch)	Subarea Complies with Title 24, Part 9	Subarea is free of obstructions per 24.12040.13A	Subarea is the smallest dimension 5 feet or greater	Subarea Required per 24.12040.13B	Min. Area Required per Subarea (ft <sup>2</sup> )	Designated Area (ft <sup>2</sup> )	Subarea Complies?	
24x40	A3.75R	Low-Sloped	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	80	960	<input checked="" type="checkbox"/>	COMPLIES

STATE OF CALIFORNIA  
**Solar Ready Areas**  
 NRC-24-11667-1 (Page 3 of 3)

**CERTIFICATE OF COMPLIANCE**  
 Project Name: 24-12040 (PC 02-11667) Report Page: 9/9/2018  
 Project Address: Palm Springs (Climate Zone #15)

**Designated Solar Zone Subareas**

09	10	11	12	13	14	15	16	17	18	19
Subarea Name or Tag	Building Reference	Slope of Roof or Overhang (Low < 2:12 Steep > 2:12 pitch)	Subarea Complies with Title 24, Part 9	Subarea is free of obstructions per 24.12040.13A	Subarea is the smallest dimension 5 feet or greater	Subarea Required per 24.12040.13B	Min. Area Required per Subarea (ft <sup>2</sup> )	Designated Area (ft <sup>2</sup> )	Subarea Complies?	
24x40	A3.75R	Low-Sloped	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	80	960	<input checked="" type="checkbox"/>	COMPLIES

**Interconnection Pathways**  
 Location in construction documents showing the location for inverters and metering equipment and a pathway for the routing of conduit/plumbing to the electrical service/water heating system per 24.12040.1C.

**G. PERMANENTLY INSTALLED SOLAR PHOTOVOLTAIC (PV) SYSTEM**  
 This Section Does Not Apply

**H. PERMANENTLY INSTALLED SOLAR HOT WATER SYSTEM**  
 This Section Does Not Apply

**I. SMART THERMOSTATS AND ALTERNATIVE EFFICIENCY MEASURE**  
 This Section Does Not Apply

STATE OF CALIFORNIA  
**Solar Ready Areas**  
 NRC-24-11667-1 (Page 3 of 3)

**CERTIFICATE OF COMPLIANCE**  
 Project Name: 24-12040 (PC 02-11667) Report Page: 9/9/2018  
 Project Address: Palm Springs (Climate Zone #15)

**Designated Solar Zone Subareas**

09	10	11	12	13	14	15	16	17	18	19
Subarea Name or Tag	Building Reference	Slope of Roof or Overhang (Low < 2:12 Steep > 2:12 pitch)	Subarea Complies with Title 24, Part 9	Subarea is free of obstructions per 24.12040.13A	Subarea is the smallest dimension 5 feet or greater	Subarea Required per 24.12040.13B	Min. Area Required per Subarea (ft <sup>2</sup> )	Designated Area (ft <sup>2</sup> )	Subarea Complies?	
24x40	A3.75R	Low-Sloped	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	80	960	<input checked="" type="checkbox"/>	COMPLIES

**Interconnection Pathways**  
 Location in construction documents showing the location for inverters and metering equipment and a pathway for the routing of conduit/plumbing to the electrical service/water heating system per 24.12040.1C.

**G. PERMANENTLY INSTALLED SOLAR PHOTOVOLTAIC (PV) SYSTEM**  
 This Section Does Not Apply

**H. PERMANENTLY INSTALLED SOLAR HOT WATER SYSTEM**  
 This Section Does Not Apply

**I. SMART THERMOSTATS AND ALTERNATIVE EFFICIENCY MEASURE**  
 This Section Does Not Apply

PROJECT SPECIFIC STATE AGENCY APPROVAL

**GLOBAL MODULAR**  
 Incorporated

**AURORA MODTECH**  
 MODULAR STRUCTURES

CONTRACTORS LICENSE #837357

NORTHERN CALIFORNIA DIVISION: 1200 AIRPORT DRIVE, CHOWHILLA, CA 95010  
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SOUTHERN CALIFORNIA DIVISION: 1680 CHICAGO AVE., SUITE #M-21, IRVINE, CA 92614  
 PHONE: (949) 899-3833 FAX: (949) 899-3862 WEBSITE: WWW.GDM.COM

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PROJECT NAME:

SHEET TITLE:  
**TITLE 24 REPORTS**  
 4 OF 9

MFR. STRUCTURAL ENGINEER OF RECORD ON PC

DATE SIGNED:  
 DEC 11 2018

MFR. PROJECT SPECIFIC PROFESSIONAL OF RECORD

ARCHITECT OF RECORD:  
 HAROLD L. HART  
 C-38002  
 06-30-2021  
 RENEWAL DATE

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

IDENTIFICATION STAMP  
 DIV. OF THE STATE ARCHITECT

PC 02-11667-1  
 DATE: DEC 14 2018

REVISIONS

PROJECT NO.: 00-0000  
 DRAWN BY: 00  
 SCALE: AS NOTED  
 DATE: 00-00-00

SHEET NUMBER  
**M3.3**

APPROVED: [Signature]  
 DATE: 01/03/2019

STATE OF CALIFORNIA  
**Solar Ready Areas**  
 NRC-24-4 (Revised 12/17) CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE  
 Project Name: 24-12040 PC (02-11667) Report Page: NRC-24-4 Page 4 of 5  
 Project Address: Palm Springs (Climate Zone #15) Date Prepared: 9/9/2018

**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/CEC-400-2015-031/appendices/forms/NRC>

YES	NO	Form/Title	Field Inspector
<input type="checkbox"/>	<input checked="" type="checkbox"/>	NRC-SPV-01-E - Must be submitted for all newly installed Photovoltaic Systems (PV) being used to comply with §110.10(B)(1) for high-rise multifamily, Hotel/Motel buildings less than 10 stories and nonresidential buildings less than 4 stories.	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	NRC-STH-01-E - Must be submitted for all newly installed Solar Water Heating systems being used to comply with §110.10(B)(1) for high-rise multifamily, Hotel/Motel buildings less than 10 stories and nonresidential buildings less than 4 stories.	<input type="checkbox"/>

**K. DECLARATION OF REQUIRED CERTIFICATES OF ACCEPTANCE**  
 There are no Certificates of Acceptance applicable to solar ready requirements.

CA Building Energy Efficiency Standards - 2016 Nonresidential Compliance: <http://www.energy.ca.gov/title24/2016standards> December 2017

STATE OF CALIFORNIA  
**Solar Ready Areas**  
 NRC-24-4 (Revised 12/17) CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE  
 Project Name: 24-12040 PC (02-11667) Report Page: NRC-24-4 Page 3 of 5  
 Project Address: Palm Springs (Climate Zone #15) Date Prepared: 9/9/2018

**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/CEC-400-2015-031/appendices/forms/NRC>

**DOCUMENTATION AUTHOR'S DECLARATION STATEMENT**  
 Documentation Author Name: Jeffrey C. Chan-Luewy  
 Company: Impact Construction Services, Inc.  
 Address: 1000 Harley Knox Blvd  
 City/State/Zip: Palm Springs, CA 92271  
 Signature Date: 11/09/18  
 CEIA/HERS Certification Identification (if applicable): 945691  
 Phone: (951) 943-9999

**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 9 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 5 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 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: James T. Simpson  
 Company: TXL Structural Engineers, Inc.  
 Address: 4091 Riverside Drive, Suite #114  
 City/State/Zip: Chino, CA 91710  
 Signature Date: 11-7-2018  
 License: S-3602  
 Phone: (909) 613-0234

CA Building Energy Efficiency Standards - 2016 Nonresidential Compliance: <http://www.energy.ca.gov/title24/2016standards> December 2017

STATE OF CALIFORNIA  
**Electrical Power Distribution**  
 NRC-24-4 (Revised 12/17) CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE  
 Project Name: 24-12040 PC (02-11667) Report Page: NRC-24-4 Page 2 of 5  
 Project Address: Palm Springs (Climate Zone #15) Date Prepared: 9/9/2018

**D. EXCEPTIONAL CONDITIONS**  
 The 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	Trucking kWh for user-defined period	Location of Requirements in Construction Documents
		Instantaneous Demand (kW)	kWh per rate period	Field Inspector
		Historical Peak Demand (kW)		Pass/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 drop-down 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
				Pass/Fail

Lighting including exit, egress and exterior: Not required

\*NOTES: If "Other" is selected under Compliance Method above, please indicate how compliance has been achieved in the space provided below.

CA Building Energy Efficiency Standards - 2016 Nonresidential Compliance: <http://www.energy.ca.gov/title24/2016standards> December 2017

STATE OF CALIFORNIA  
**Electrical Power Distribution**  
 NRC-24-4 (Revised 12/17) CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE  
 Project Name: 24-12040 PC (02-11667) Report Page: NRC-24-4 Page 3 of 5  
 Project Address: Palm Springs (Climate Zone #15) Date Prepared: 9/9/2018

**H. VOLTAGE DROP**  
 Table Instructions: For each separate load type, up to 10% of the connected load may be of any type.  
 Method 1: Switchboards/motor control centers/poleboard loads disaggregated for each load type.  
 Method 2: Switchboards/motor control centers/poleboard supply other distribution equipment with loads disaggregated for each load type.  
 Method 3: Complete metering system measures and reports loads by type.  
 See Chapter 6 of the Nonresidential Compliance Manual for more detail on Compliance Methods.

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
	<input checked="" type="checkbox"/> Voltage drop < 5% <input type="checkbox"/> Permitted by CA Elec Code (Exception to §130.5(c))	In construction documents		Pass/Fail

\*NOTES: If "Permitted by CA Elec Code" is selected under Compliance Method above, please indicate where the exception applies in the space provided below.  
 \*FOOTNOTES: Voltage drop calculations may be attached to the permit application outside the construction documents if allowed by the Authority Having Jurisdiction. Select "Other" if applicable. If calculations will be the responsibility of the installing contractor, select "Contractor Responsible".

**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.

01	02	03	04	05	06
Electrical Service Designation/Description	Location/Type of Controlled Receptacles	Shut-Off Controls	Permanent/Operable Marking Will be Used	Location of Requirements in Construction Documents	Field Inspector
			<input type="checkbox"/>		Pass/Fail

\* If "Other" is selected under Compliance Method above, please indicate how compliance has been achieved in the space provided below.

CA Building Energy Efficiency Standards - 2016 Nonresidential Compliance: <http://www.energy.ca.gov/title24/2016standards> December 2017

STATE OF CALIFORNIA  
**Electrical Power Distribution**  
 NRC-24-4 (Revised 12/17) CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE  
 Project Name: 24-12040 PC (02-11667) Report Page: NRC-24-4 Page 4 of 5  
 Project Address: Palm Springs (Climate Zone #15) Date Prepared: 9/9/2018

**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/CEC-400-2015-031/appendices/forms/NRC>

YES	NO	Form/Title	Field Inspector
<input checked="" type="checkbox"/>	<input type="checkbox"/>	NRC-ELC-01-E - Must be submitted for all buildings.	<input type="checkbox"/>

**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> December 2017

STATE OF CALIFORNIA  
**Electrical Power Distribution**  
 NRC-24-4 (Revised 12/17) CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE  
 Project Name: 24-12040 PC (02-11667) Report Page: NRC-24-4 Page 5 of 5  
 Project Address: Palm Springs (Climate Zone #15) Date Prepared: 9/9/2018

**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/CEC-400-2015-031/appendices/forms/NRC>

**DOCUMENTATION AUTHOR'S DECLARATION STATEMENT**  
 Documentation Author Name: Jeffrey C. Chan-Luewy  
 Company: Impact Construction Services, Inc.  
 Address: 1000 Harley Knox Blvd  
 City/State/Zip: Palm Springs, CA 92271  
 Signature Date: 11/09/18  
 CEIA/HERS Certification Identification (if applicable): 945691  
 Phone: (951) 943-9999

**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 9 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 5 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 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: James T. Simpson  
 Company: TXL Structural Engineers, Inc.  
 Address: 4091 Riverside Drive, Suite #114  
 City/State/Zip: Chino, CA 91710  
 Signature Date: 11-7-2018  
 License: S-3602  
 Phone: (909) 613-0234

CA Building Energy Efficiency Standards - 2016 Nonresidential Compliance: <http://www.energy.ca.gov/title24/2016standards> December 2017

PROJECT SPECIFIC STATE AGENCY APPROVAL

**GLOBAL MODULAR**  
 Incorporated  
**AURORA MODTECH**  
 DESIGNERS  
 CONTRACTORS LICENSE #837357

NORTHERN CALIFORNIA DIVISION 1200 AIRPORT DRIVE CHICOHUILA, CA 93910  
 SOUTHERN CALIFORNIA DIVISION 1800 CHICAGO AVE. SUITE #M-21 RIVERSIDE, CA 92507  
 PHONE: (562) 665-8800 FAX: (951) 886-3633  
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PROJECT NAME:

SHEET TITLE:  
**TITLE 24 REPORTS**  
**5 OF 9**

MFR. STRUCTURAL ENGINEER OF RECORD ON PC

DATE SIGNED  
**DEC 11 2018**

MFR. PROJECT SPECIFIC PROFESSIONAL OF RECORD

ARCHITECT OF RECORD  
**LAGSEY ARCHITECT**  
 HAROLD L. HART  
 C-38002  
 06-30-2021  
 RENEWAL  
 DATE

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

IDENTIFICATION STAMP  
 DIV. OF THE STATE ARCHITECT  
 PC 02-116677  
 DATE: DEC 14 2018

REVISIONS

PROJECT NO.: 00-0000  
 DRAWN BY: 00  
 SCALE: AS NOTED  
 DATE: 00-00-00  
 SHEET NUMBER  
**M3.4**

APPROVED  
 DIVISION OF STATE ARCHITECT  
 HIGH PERFORMANCE DESIGN  
 APP # 02-116677  
 DATE: 12/13/18

IDENTIFICATION STAMP  
 DIV. OF THE STATE ARCHITECT  
 APP03 120280  
 AC: FLS SS  
 DATE: 07/03/2018

STATE OF CALIFORNIA  
INDOOR LIGHTING  
NRCCLT-E (Revised 9/17)

CERTIFICATE OF COMPLIANCE  
This document is used to demonstrate compliance with requirements in §110.9, §130.0, §130.1, §140.6, and §141.0(b) for indoor lighting systems using the prescriptive path.  
Project Name: 24-12040 Classroom PC (02-11667) Report Page: Page 1 of 6  
Project Address: Date Prepared: 11/6/2018

**A. GENERAL INFORMATION**

01 Project Location (City) Verses 04 Total Conditioned Floor Area (ft²) 960  
02 Climate Zone 15 05 Total Unconditioned Floor Area (ft²) 0  
03 Occupancy Types Within Project (select all that apply): 06 # of Stories (habitable above grade) 1  
 Office  Retail  Warehouse  Hotel/Motel  School  Support Areas  
 Parking Garage  High-Rise Residential  Releasable  Other (write in):

**B. PROJECT SCOPE**

Table Instructions: Include any lighting systems that are within the scope of the permit application and are demonstrating compliance using the prescriptive path outlined in §140.6 or §141.0(b) for alterations. WARNING: Changing the Calculation Method in this table will result in the deletion of data previously input. If you need to change the calculation method, please open a new form or use "Save As".

Scope of Work		Conditioned Spaces		Unconditioned Spaces	
01	02	03	04	05	06
My Project Consists of (check all that apply):	Calculation Method	Area (ft²)	Calculation Method	Area (ft²)	
<input checked="" type="checkbox"/> New Lighting System	Area Category	960	Area Category	0	
<input type="checkbox"/> Altered Lighting System					
Total Area of Work (ft²)		960		0	

**C. COMPLIANCE RESULTS**

Table Instructions: If any cell on this table says "DOES NOT COMPLY" or "COMPLIES with Exceptional Conditions" refer to Table D for guidance.

Lighting in conditioned and unconditioned spaces must not be combined per §140.6(b)(1)	Allowed Lighting Power per §140.6(b) (Watts)				Actual Lighting Power per §140.6(a) (Watts)				Compliance Results
	01	02	03	04	05	06	07	08	
	Complete Building	Area Category	Footcandle	Tolerance	Total Allowed (Watts)	Provided (Watts)	PSF Control	Total Actual (Watts)	05 Must be 09
Conditioned:	1,152	1,152	1.152	1.152	1,152	660	1.152	660	COMPLIES
Unconditioned:									COMPLIES

CA Building Energy Efficiency Standards - 2016 Nonresidential Compliance: <http://www.energy.ca.gov/110624/2016standards> September 2017

STATE OF CALIFORNIA  
INDOOR LIGHTING  
NRCCLT-E (Revised 9/17)

CERTIFICATE OF COMPLIANCE  
This document is used to demonstrate compliance with requirements in §110.9, §130.0, §130.1, §140.6, and §141.0(b) for indoor lighting systems using the prescriptive path.  
Project Name: 24-12040 Classroom PC (02-11667) Report Page: Page 2 of 6  
Project Address: Date Prepared: 11/6/2018

**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. INDOOR LIGHTING FIXTURE SCHEDULE**

Table Instructions: Include all permanent designed lighting and all portable lighting in offices.

01	02	03	04	05	06	07	08	09
Name or Item Tag	Complete Luminaire Description	Specialized Luminaire Types	Watts per luminaire	How Wattage is Determined	Total number luminaire(s)	Exempt per §140.6(b)(3)	Design Watts	Field Inspector
2x4 LED		Track	55	NAB Default	12		660	Pass
Total Designed Watts CONDITIONED SPACES							660	

NOTES: Authority Having Jurisdiction may ask for luminaire cut sheets to confirm wattage used for compliance per §130.0(c). Wattage used must be the maximum rated for the luminaire, not the lamp.

**G. TRACK LIGHTING**

This Section Does Not Apply

**H. INDOOR LIGHTING CONTROLS (Not Including PAFs)**

Table Instructions: Please include lighting controls for conditioned and unconditioned spaces in this table. When an option having a "1" is selected, the notes section of this table must be completed. The lighting controls section of the Compliance Summary Table on the first page will show "DOES NOT COMPLY" if the notes are left blank.

Building Level Controls		Mandatory Demand Response		Shut-off Controls		Field Inspector	
01	02	03	04	05	06	07	08
Required	Required	Required	Required	Required	Required	Required	Required
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

CA Building Energy Efficiency Standards - 2016 Nonresidential Compliance: <http://www.energy.ca.gov/110624/2016standards> September 2017

STATE OF CALIFORNIA  
INDOOR LIGHTING  
NRCCLT-E (Revised 9/17)

CERTIFICATE OF COMPLIANCE  
This document is used to demonstrate compliance with requirements in §110.9, §130.0, §130.1, §140.6, and §141.0(b) for indoor lighting systems using the prescriptive path.  
Project Name: 24-12040 Classroom PC (02-11667) Report Page: Page 3 of 6  
Project Address: Date Prepared: 11/6/2018

04	05	06	07	08	09	10	11	12
Area Description	Complete Building or Area Category	Area Controls	Multi-Level Controls	Shut-Off Controls	Primary/Skylight Daylighting	Secondary Daylighting	Interlocked Systems	Field Inspector
Classroom	Class, Lecture, Trg, Vocational	1.2	960	1,152				Pass
TOTAL:						960	1,152	

**I. LIGHTING POWER ALLOWANCE: COMPLETE BUILDING OR AREA CATEGORY METHODS**

Table Instructions: Complete the table for each area complying using the Complete Building or Area Category Methods per §140.6(b). Indicate if additional lighting power allowances per §140.6(c) or adjustments per §140.6(d) are being used.

**J. POWER ADJUSTMENT: PORTABLE LIGHTING IN OFFICES**

This Section Does Not Apply

**K. ADDITIONAL LIGHTING ALLOWANCE: AREA CATEGORY METHOD FOOTNOTES**

This Section Does Not Apply

**L. TAILORED METHOD GENERAL LIGHTING POWER ALLOWANCE**

This Section Does Not Apply

**M. ADDITIONAL LIGHTING ALLOWANCE: TAILORED SPECIAL FUNCTION AREAS**

This Section Does Not Apply

**N. ADDITIONAL LIGHTING ALLOWANCE: TAILORED WALL DISPLAY**

This Section Does Not Apply

CA Building Energy Efficiency Standards - 2016 Nonresidential Compliance: <http://www.energy.ca.gov/110624/2016standards> September 2017

STATE OF CALIFORNIA  
INDOOR LIGHTING  
NRCCLT-E (Revised 9/17)

CERTIFICATE OF COMPLIANCE  
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Project Name: 24-12040 Classroom PC (02-11667) Report Page: Page 4 of 6  
Project Address: Date Prepared: 11/6/2018

**O. ADDITIONAL LIGHTING ALLOWANCE: TAILORED FLOOR AND TASK LIGHTING**

This Section Does Not Apply

**P. ADDITIONAL LIGHTING ALLOWANCE: TAILORED ORNAMENTAL/SPECIAL EFFECTS**

This Section Does Not Apply

**Q. ADDITIONAL LIGHTING ALLOWANCE: TAILORED VERY VALUABLE MERCHANDISE**

This Section Does Not Apply

**R. POWER ADJUSTMENT: LIGHTING CONTROL CREDIT (PAF)**

This Section Does Not Apply

**S. RATED POWER REDUCTION COMPLIANCE BY SPACE**

This Section Does Not Apply

**T. 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/2016standards/CFC-020-2015-033/SupportingDocuments>.

YES	NO	Form/Title	Field Inspector
			Pass
<input checked="" type="checkbox"/>	<input type="checkbox"/>	NRCCLT-02-A - Must be submitted for occupancy sensors and automatic time switch controls.	<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	NRCCLT-03-A - Must be submitted for automatic daylight controls.	<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	NRCCLT-04-A - Must be submitted for demand responsive lighting controls.	<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	NRCCLT-05-A - Must be submitted for institutional tuning power adjustment factor (PAF).	<input checked="" type="checkbox"/>

CA Building Energy Efficiency Standards - 2016 Nonresidential Compliance: <http://www.energy.ca.gov/110624/2016standards> September 2017

STATE OF CALIFORNIA  
INDOOR LIGHTING  
NRCCLT-E (Revised 9/17)

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Project Name: 24-12040 Classroom PC (02-11667) Report Page: Page 5 of 6  
Project Address: Date Prepared: 11/6/2018

**U. DECLARATION OF REQUIRED CERTIFICATES OF ACCEPTANCE**

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 must be completed through an Acceptance Test Technician Certification Provider (ATTCP). For more information visit: <http://www.energy.ca.gov/110624/2016standards>.

YES	NO	Form/Title	Field Inspector
			Pass
<input checked="" type="checkbox"/>	<input type="checkbox"/>	NRCCLT-02-A - Must be submitted for occupancy sensors and automatic time switch controls.	<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	NRCCLT-03-A - Must be submitted for automatic daylight controls.	<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	NRCCLT-04-A - Must be submitted for demand responsive lighting controls.	<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	NRCCLT-05-A - Must be submitted for institutional tuning power adjustment factor (PAF).	<input checked="" type="checkbox"/>

CA Building Energy Efficiency Standards - 2016 Nonresidential Compliance: <http://www.energy.ca.gov/110624/2016standards> September 2017

STATE OF CALIFORNIA  
INDOOR LIGHTING  
NRCCLT-E (Revised 9/17)

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Project Name: 24-12040 Classroom PC (02-11667) Report Page: Page 6 of 6  
Project Address: Date Prepared: 11/6/2018

**DOCUMENTATION AUTHOR'S DECLARATION STATEMENT**

I, the undersigned, certify that the information provided in this Certificate of Compliance is true and correct.

**RESPONSIBLE PERSON'S DECLARATION STATEMENT**

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CA Building Energy Efficiency Standards - 2016 Nonresidential Compliance: <http://www.energy.ca.gov/110624/2016standards> September 2017

STATE OF CALIFORNIA  
INDOOR LIGHTING - LIGHTING CONTROLS  
NRCCLT-L2-E (Revised 09/16/18)

CERTIFICATE OF COMPLIANCE  
Indoor Lighting - Lighting Controls  
Project Name: 24-12040 Classroom PC (02-11667) Date Prepared: 09/16/18 (Page 1 of 3)

The NRCCLT-L2-E shall be used to document all mandatory and prescriptive lighting controls that are applicable to the project.

**A. Mandatory Lighting Control Declaration Statements (Indicate if the measure applies by checking yes or no below.)**

YES	NO	Control Requirements
<input checked="" type="checkbox"/>	<input type="checkbox"/>	Lighting shall be controlled by self-contained lighting control devices which are certified to the Energy Commission according to the Title 20 Appliance Efficiency Regulations in accordance with Section 130.9.
<input checked="" type="checkbox"/>	<input type="checkbox"/>	Lighting shall be controlled by a lighting control system or energy management control system in accordance with §110.9. An Installation Certificate shall be submitted in accordance with Section 130.4(b).
<input checked="" type="checkbox"/>	<input type="checkbox"/>	One or more Track Lighting Integral Current Limiters shall be installed which have been certified to the Energy Commission in accordance with §110.9 and §130.0. Additionally, an Installation Certificate shall be submitted in accordance with Section 130.4(b).
<input checked="" type="checkbox"/>	<input type="checkbox"/>	A Track Lighting Supplementary Overcurrent Protection Panel shall be installed in accordance with Section 110.9 and Section 130.0. Additionally, an Installation Certificate shall be submitted in accordance with Section 130.4(b).
<input checked="" type="checkbox"/>	<input type="checkbox"/>	All lighting controls and equipment shall comply with the applicable requirements in §110.9 and shall be installed in accordance with the manufacturer's instructions in accordance with Section 130.1.
<input checked="" type="checkbox"/>	<input type="checkbox"/>	All luminaires shall be functionally controlled with manually switched ON and OFF lighting controls in accordance with Section 130.1(a).
<input checked="" type="checkbox"/>	<input type="checkbox"/>	General lighting shall be separately controlled from all other lighting systems in an area. Floor and wall display, window display, case display, ornamental, and special effects lighting shall each be separately controlled on circuits that are 20 amps or less. When track lighting is used, general, display, ornamental, and special effects lighting shall each be separately controlled; in accordance with Section 130.1(a).
<input checked="" type="checkbox"/>	<input type="checkbox"/>	The general lighting of any enclosed area 100 square feet or larger, with a connected lighting load that exceeds 0.5 watts per square foot shall meet the multi-level lighting control requirements in accordance with Section 130.1(a).
<input checked="" type="checkbox"/>	<input type="checkbox"/>	All installed indoor lighting shall be equipped with controls that meet the applicable Shut-Off control requirements in Section 130.1(c).
<input checked="" type="checkbox"/>	<input type="checkbox"/>	Lighting in all Daylit Zones shall be controlled in accordance with the requirements in Section 130.1(f) and daylight zones are shown on the plans.
<input checked="" type="checkbox"/>	<input type="checkbox"/>	Lighting power in buildings larger than 10,000 square feet shall be capable of being automatically reduced in response to a Demand Responsive Signal in accordance with Section 130.1(d).
<input checked="" type="checkbox"/>	<input type="checkbox"/>	Before an occupancy permit is granted for a newly constructed building or area, or a new lighting system serving a building, area, or site is operated for normal use, indoor lighting controls serving the building, area, or site shall be certified as meeting the Acceptance Requirements for Code Compliance in accordance with Section 130.4(a). The controls required to meet the Acceptance Requirements include automatic daylight controls, automatic shut-off controls, and demand responsive controls.

CA Building Energy Efficiency Standards - 2013 Nonresidential Compliance August 2015

STATE OF CALIFORNIA  
INDOOR LIGHTING - LIGHTING CONTROLS  
NRCCLT-L2-E (Revised 09/16/18)

CERTIFICATE OF COMPLIANCE  
Indoor Lighting - Lighting Controls  
Project Name: 24-12040 Classroom PC (02-11667) Date Prepared: 09/16/18 (Page 2 of 3)

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

CONDITIONED SPACES  UNCONDITIONED SPACES

**B. Mandatory and Prescriptive Indoor Lighting Control Schedule, PAF Calculation, and Field Inspection Checklist**

A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	Field Inspector
Location in Building	Type/Description of Lighting Controls (i.e., occupancy sensor, automatic time switch, dimmer, automatic daylight, etc.)	# of Units	Watts per Unit	Watts per Unit	Watts per Unit	Watts per Unit	Watts per Unit	Watts per Unit	Watts per Unit	Watts per Unit	Watts per Unit	Watts per Unit	Watts per Unit	Watts per Unit	Pass
All Zones	Dim Sensor & Dim & Mem On/Off	1	+	+	+	+	+	+	+	32	.06	1.6			Pass

Control Credit PAGE TOTAL (Sum of Column M): 1.6

IF MULTIPLE PAGES ARE USED, ENTER SUM TOTAL OF Control Credit for all pages HERE (Sum of all Column M):

Enter Control Credit total into NRCCLT-L1-01-E, Page 1.

CA Building Energy Efficiency Standards - 2013 Nonresidential Compliance August 2015

STATE OF CALIFORNIA  
INDOOR LIGHTING - LIGHTING CONTROLS  
NRCCLT-L2-E (Revised 09/16/18)

CERTIFICATE OF COMPLIANCE  
Indoor Lighting - Lighting Controls  
Project Name: 24-12040 Classroom PC (02-11667) Date Prepared: 09/16/18 (Page 3 of 3)

**DOCUMENTATION AUTHOR'S DECLARATION STATEMENT**

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CA Building Energy Efficiency Standards - 2013 Nonresidential Compliance August 2015

PROJECT SPECIFIC STATE AGENCY APPROVAL

GLOBAL MODULAR  
INCORPORATED

AURORA MODTECH  
DESIGN

CONTRACTORS LICENSE #837357

NORTHERN CALIFORNIA DIVISION  
1200 AIRPORT DRIVE  
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PHONE: (530) 886-9000  
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WEBSITE: WWW.GMOD.NET

SOUTHERN CALIFORNIA DIVISION  
1800 CHICAGO AVE., SUITE #M-21  
RIVERSIDE, CA 92507  
PHONE: (951) 506-3633  
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WEBSITE: WWW.GMOD.NET

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PROJECT NAME:

SHEET TITLE:  
TITLE 24 REPORTS  
6 OF 9

MFR. STRUCTURAL ENGINEER OF RECORD ON PC

DATE SIGNED:  
DEC 11 2018

MFR. PROJECT SPECIFIC PROFESSIONAL OF RECORD

ARCHITECT OF RECORD

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

IDENTIFICATION STAMP  
DIV. OF THE STATE ARCHITECT

PC 02-116677  
DATE: DEC 11 2018

REVISIONS

PROJECT NO.: 00-0000  
DRAWN BY: 00  
SCALE: AS NOTED  
DATE: 00-00-00  
SHEET NUMBER

M3.5





Performance Runs By Zone & Orientation

Project Name: 24x40 PC FOR IMPACT CONSTRUCTION
Date of Title 24 Report: 9/20/2018
DSA File No.: PC 02 - 116677
Building Name/Model #: 1-Classroom Bldg. PC

Climate Zone: 14 (Palmdale)
Front Orientation: 30, 75, 120, 165, 210, 255, 300, 345
Std Budget, Prop. Design, Compliance Margin

Climate Zone: 16 (Blue Canyon)
Front Orientation: 30, 75, 120, 165, 210, 255, 300, 345
Std Budget, Prop. Design, Compliance Margin

Performance Runs By Zone & Orientation

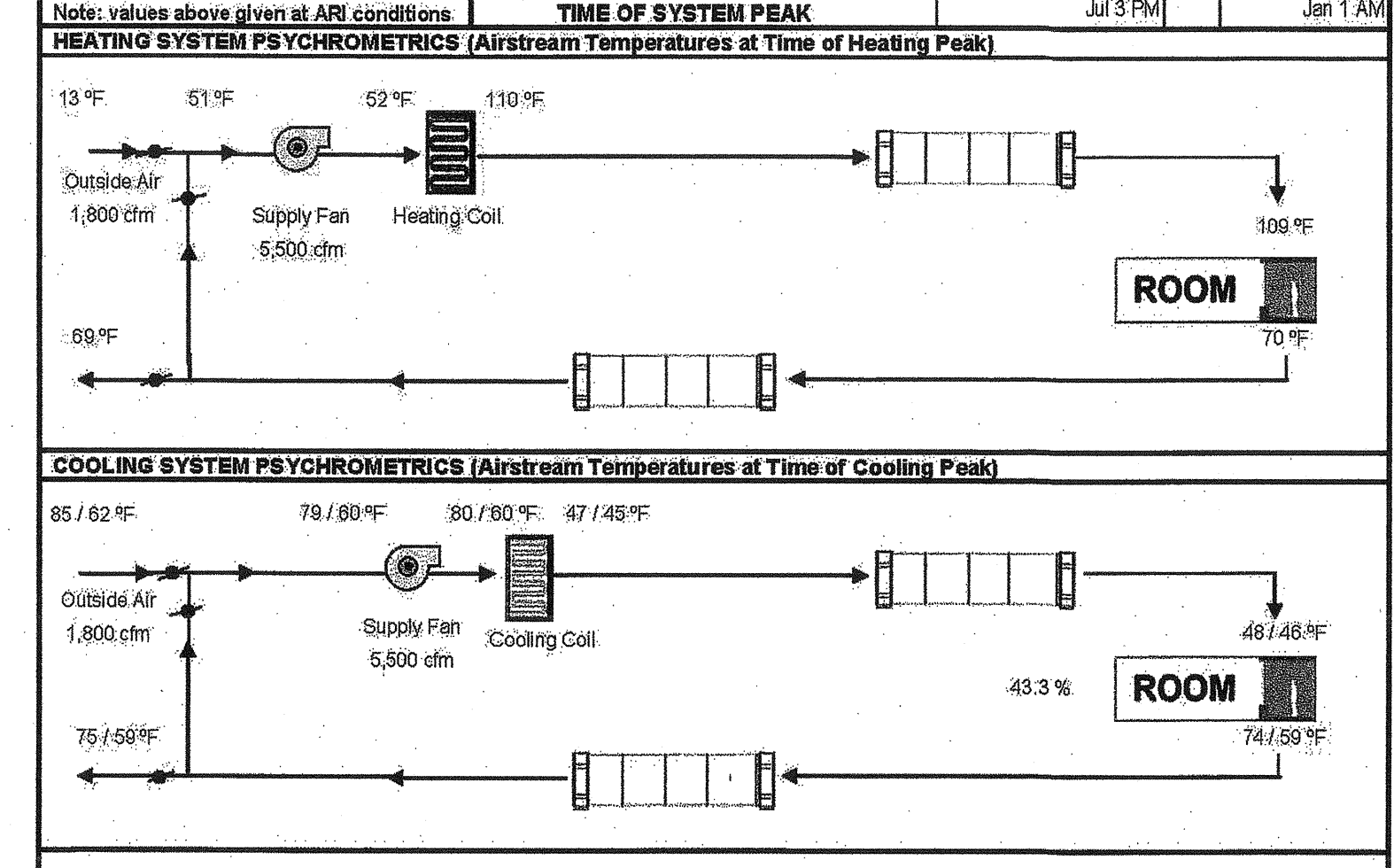
Project Name: 24x40 PC FOR IMPACT CONSTRUCTION
Date of Title 24 Report: 9/20/2018
DSA File No.: PC 02 - 116677
Building Name/Model #: 1-Classroom Bldg. PC

Climate Zone: 14 (Palmdale)
Front Orientation: 30, 75, 120, 165, 210, 255, 300, 345
Std Budget, Prop. Design, Compliance Margin

Climate Zone: 16 (Blue Canyon)
Front Orientation: 30, 75, 120, 165, 210, 255, 300, 345
Std Budget, Prop. Design, Compliance Margin

HVAC SYSTEM HEATING AND COOLING LOADS SUMMARY

Engineering Checks, System Load, HVAC Equipment Selection
Number of Systems: 5
Heating System: Total Room Loads, Return Ventilated Lighting, Return Air Ducts, Return Fan, Supply Fan, Supply Air Ducts



Performance Runs By Zone & Orientation

Project Name: 120x40 PC FOR IMPACT CONSTRUCTION
Date of Title 24 Report: 9/20/2018
DSA File No.: PC 02 - 116677
Building Name/Model #: 1-Classroom Bldg. PC

Climate Zone: 14 (Palmdale)
Front Orientation: 30, 75, 120, 165, 210, 255, 300, 345
Std Budget, Prop. Design, Compliance Margin

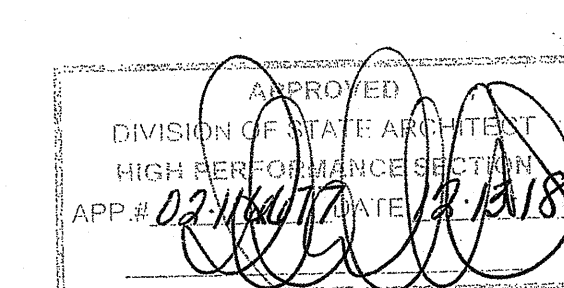
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Std Budget, Prop. Design, Compliance Margin

Performance Runs By Zone & Orientation

Project Name: 120x40 PC FOR IMPACT CONSTRUCTION
Date of Title 24 Report: 9/20/2018
DSA File No.: PC 02 - 116677
Building Name/Model #: 1-Classroom Bldg. PC

Climate Zone: 14 (Palmdale)
Front Orientation: 30, 75, 120, 165, 210, 255, 300, 345
Std Budget, Prop. Design, Compliance Margin

Climate Zone: 16 (Blue Canyon)
Front Orientation: 30, 75, 120, 165, 210, 255, 300, 345
Std Budget, Prop. Design, Compliance Margin



PROJECT SPECIFIC STATE AGENCY APPROVAL

GLOBAL MODULAR INCORPORATED
AURORA MODTECH
CONTRACTORS LICENSE #637357

NORTHERN CALIFORNIA DIVISION
SOUTHERN CALIFORNIA DIVISION
1200 AIRPORT DRIVE
1850 CHICAGO AVE. SUITE PM-21

CHOWCHILLA, CA 93610
REVERSDIE, CA 92507
PHONE: (569) 886-8800
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WEBSITE: WWW.GDM.NET
WEBSITE: WWW.GDM.NET

TITLE 24 REPORTS
9 OF 9

MFR. STRUCTURAL ENGINEER OF RECORD ON PC

DATE SIGNED: DEC 11 2018

MFR. PROJECT SPECIFIC PROFESSIONAL OF RECORD

ARCHITECT OF RECORD

LICENSED ARCHITECT
HAROLD L. HART
C-38002
06-30-2021

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

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
PC 02-116677
DATE: DEC 14 2018

REVISIONS

PROJECT NO.: 00-0000
DRAWN BY: 00
SCALE: AS NOTED
DATE: 00-00-00

SHEET NUMBER

M3.8

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APPROVED: 120280
AG: NY, FL, SS
DATE: OCT. 03 2018

LIGHTING LEGEND & SYMBOLS		POWER LEGEND & SYMBOLS		LOW VOLTAGE LEGEND & SYMBOLS	
SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
	2'x4' EMERGENCY LED DROP IN LIGHT FIXTURE WITH 90 MIN BATTERY BACK-UP, WEIGHT 27 LBS, 55 WATT, 5000K COLOR TEMP. INDICATE 'DW' ON LIGHT FIXTURE FOR DRYWALL KIT		DISCONNECT SWITCH H.P. RATED 600 VOLTS RATED 'F' INDICATES FUSE TYPE. FUSES PER APPROVED MANUFACTURERS DRAWINGS. PULL STATION J-BOX W/ 3/4" rowspan="2">		

- ### GENERAL NOTES
- ALL FIRE ALARM SHOULD BE HOMERUN TO SINGLE POINT OF CONNECTION W/ 3/4" CO (UNO)
  - ALL LOW VOLTAGE CONDUIT RUNS ARE STUBBED FROM OUTLET BOX TO ATTIC SPACE (UNO). USE 1" CO FOR ALL OUTLET STUBS (UNO)
  - ALL WIRING & DEVICES FOR LOW VOLTAGE SYSTEMS INCLUDING BUT NOT LIMITED TO FIRE ALARM SYSTEMS ARE BY OTHERS
  - VERIFY ALL FIRE ALARM DEVICE LOCATION W/ AOR'S ELECTRICAL DWG'S FOR PROJECT SPECIFIC DESIGN
  - DRAWINGS ARE DIAGRAMMATIC AND INDICATE GENERAL ARRANGEMENT OF SYSTEMS AND SCOPE OF WORK. MAINTAIN HEADROOM AND MINIMUM CODE REQUIRED WORKING CLEARANCES AT ALL TIMES
  - CONTRACTOR SHALL COORDINATE THE LOCATION OF ALL WALL OUTLET BOXES FOR SWITCHES, BELL/STROBES, FIRE ALARM PULL STATIONS, RECEPTACLES ETC WITH CABINETS, FURNITURE, EQUIPMENT ETC, TO AVOID CONFLICT
  - SEE MECHANICAL AND PLUMBING DRAWINGS AND SPECIFICATION FOR ADDITIONAL CONNECTION REQUIREMENTS TO CONTROL PANELS, CONTROL TRANSFORMERS, POWER FOR CONTROL SYSTEM EP AND PE SWITCHES, TIME CLOCKS, VALVES, T-STATS, RELAYS, DUCT SMOKE DETECTOR LOCATIONS, ETC. INDICATED ON CONTROL WIRING DIAGRAMS. ELECTRICAL CONTRACTOR SHALL VERIFY FINAL CONTROL WIRING REQUIREMENTS PRIOR TO ANY WORK AND PROVIDE ALL NECESSARY DEVICES AND CONNECTIONS AS REQUIRED
  - ALL EXTERIOR ELECTRICAL DEVICES AND EQUIPMENT INCLUDING THOSE THAT ARE EXPOSED TO OUTSIDE ENVIRONMENT (UP TO 16') SHALL BE WEATHERPROOF TYPE, NEMA 3R
  - ALL ELECTRICAL POWER LIGHTING, TELEPHONE OR SIGNAL WIRING IN FIRE RATED WALL IS TO BE INSTALLED IN A METALLIC CONDUIT SYSTEM
  - ALL ELECTRIC MATERIAL SHALL BE LISTED BY "UL" FOR THE TYPE OF APPLICATION AND "UL" LABEL SHALL APPEAR ON ALL ELECTRICAL EQUIPMENT.
  - ALL DISTRIBUTION AND CONTROL EQUIPMENT (SUCH AS CB'S, SWITCHES, CONTRACTORS, ETC), TERMINATIONS SHALL BE FULLY RATED PER UL AS FOLLOWS:
    - 125A OR LESS : 60°C OR MORE
    - MORE THAN 125A : 75°C OR MORE
  - REFER TO ENERGY CODE TABLE 140.6-A FOR LIGHTING CONTROL TYPES

### FIRE ALARM NOTES

- FIRE ALARM SYSTEM SHALL COMPLY WITH CBC CHAPTER 9 SECTION 907.3 TITLE 24, PART 3, ARTICLE 760 OF THE CALIFORNIA ELECTRICAL CODE.
- INSTALLATION OF FIRE ALARM SYSTEM SHALL NOT BE STARTED UNTIL DETAIL PLANS, SPECIFICATIONS AND ENGINEERING CALCULATIONS HAVE BEEN APPROVED AND SIGNED BY THE ARCHITECT OR STRUCTURAL ENGINEER IN GENERAL CHARGE OF DESIGN. THE SIGNATURE OF THE ARCHITECT OR PROFESSIONAL ENGINEER WHO HAS BEEN DELEGATED RESPONSIBILITY COVERING THE WORK SHOWN ON A PARTICULAR PLAN OR SPECIFICATION, MUST BE APPROVED BY THE DIVISION OF THE STATE ARCHITECT AND STATE FIRE MARSHAL, PER CFC SECTION 907.1.2 & DSA POLICY GL-2
- A DEDICATED BRANCH CIRCUIT SHALL BE PROVIDED FOR FIRE ALARM EQUIPMENT. THIS CIRCUIT SHALL BE ENERGIZED FROM THE COMMON USE AREA PANEL AND SHALL HAVE NO OTHER OUTLETS. THE BREAKER SHALL HAVE A "RED" LOCKING DEVICE TO BLOCK THE HANDLE IN THE "ON" POSITION. THE CIRCUIT BREAKER SHALL BE LABELED "FIRE ALARM CIRCUIT CONTROL". CIRCUIT ID TO BE LABELED AT THE FIRE PANEL/EXTENDERS, NFPA 72 SECTION 10.6.5.2, 10.6.5.2.2, 10.6.5.2.3, 10.6.5.2.4 & 10.6.5.4
- UPON COMPLETION OF THE INSTALLATION OF THE PROTECTIVE SIGNALING EQUIPMENT, A SATISFACTORY TEST OF THE ENTIRE SYSTEM SHALL BE MADE IN THE PRESENCE OF THE ENFORCING FIRE AGENCY.
- ALARMS, SECTION 907, CALIFORNIA FIRE CODE: IF EMERGENCY WARNING SYSTEMS ARE REQUIRED, THEY SHALL ACTIVATE A MEANS OF WARNING THE HEARING IMPAIRED. FLASHING VISUAL WARNING SHALL HAVE A FREQUENCY OF NOT MORE THAN 60 FLASHES PER MINUTE. LOCATE PER CFC 907.5.2.3 & NFPA 72
- EMERGENCY VOICE COMMUNICATION PER 907.2.3

### NOTES

#### MEP COMPONENT ANCHORAGE NOTE

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 THRU 1616A.1.26 AND ASCE 7-10 CHAPTER 13, 26 AND 30.

- ALL PERMANENT EQUIPMENT AND COMPONENTS.
- TEMPORARY OR MOVABLE EQUIPMENT THAT IS PERMANENTLY ATTACHED (E.G. HARD WIRED) TO THE BUILDING UTILITY SERVICES SUCH AS ELECTRICITY, GAS OR WATER.
- MOVABLE EQUIPMENT WHICH IS STATIONED IN ONE PLACE FOR MORE THAN 8 HOURS AND HEAVIER THAN 400 POUNDS OR HAS A CENTER OF MASS LOCATED 4 FEET OR MORE ABOVE THE ADJACENT FLOOR OR ROOF LEVEL THAT DIRECTLY SUPPORT THE COMPONENT 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.

- 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.
- 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.

#### MECHANICAL PIPING (MP), MECHANICAL DUCTS (MD), PLUMBING PIPING (PP), ELECTRICAL DISTRIBUTION SYSTEMS (E)

MP MD PP EQ E - OPTION 1: DETAILED ON THE APPROVED DRAWINGS WITH PROJECT SPECIFIC NOTES AND DETAILS

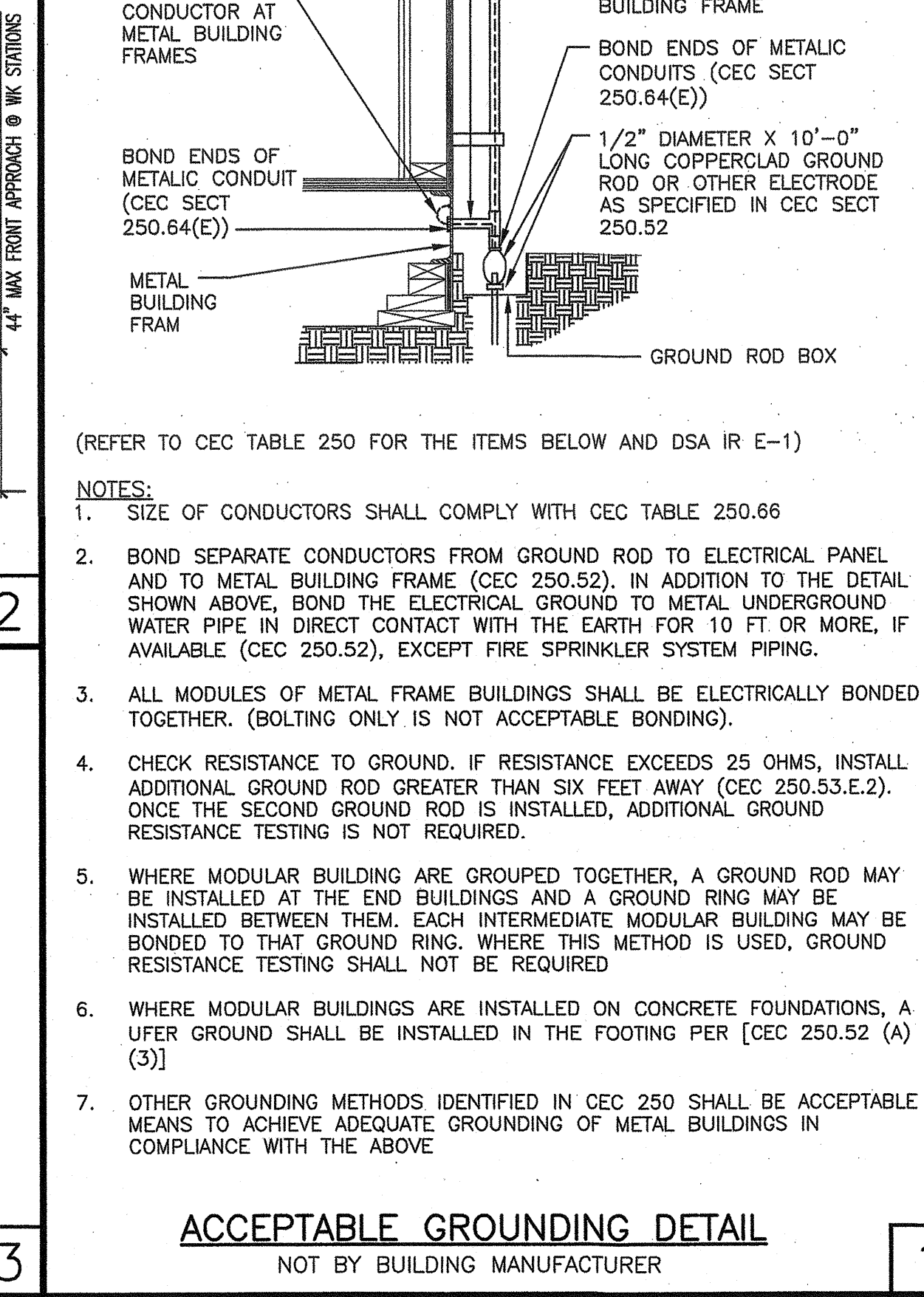
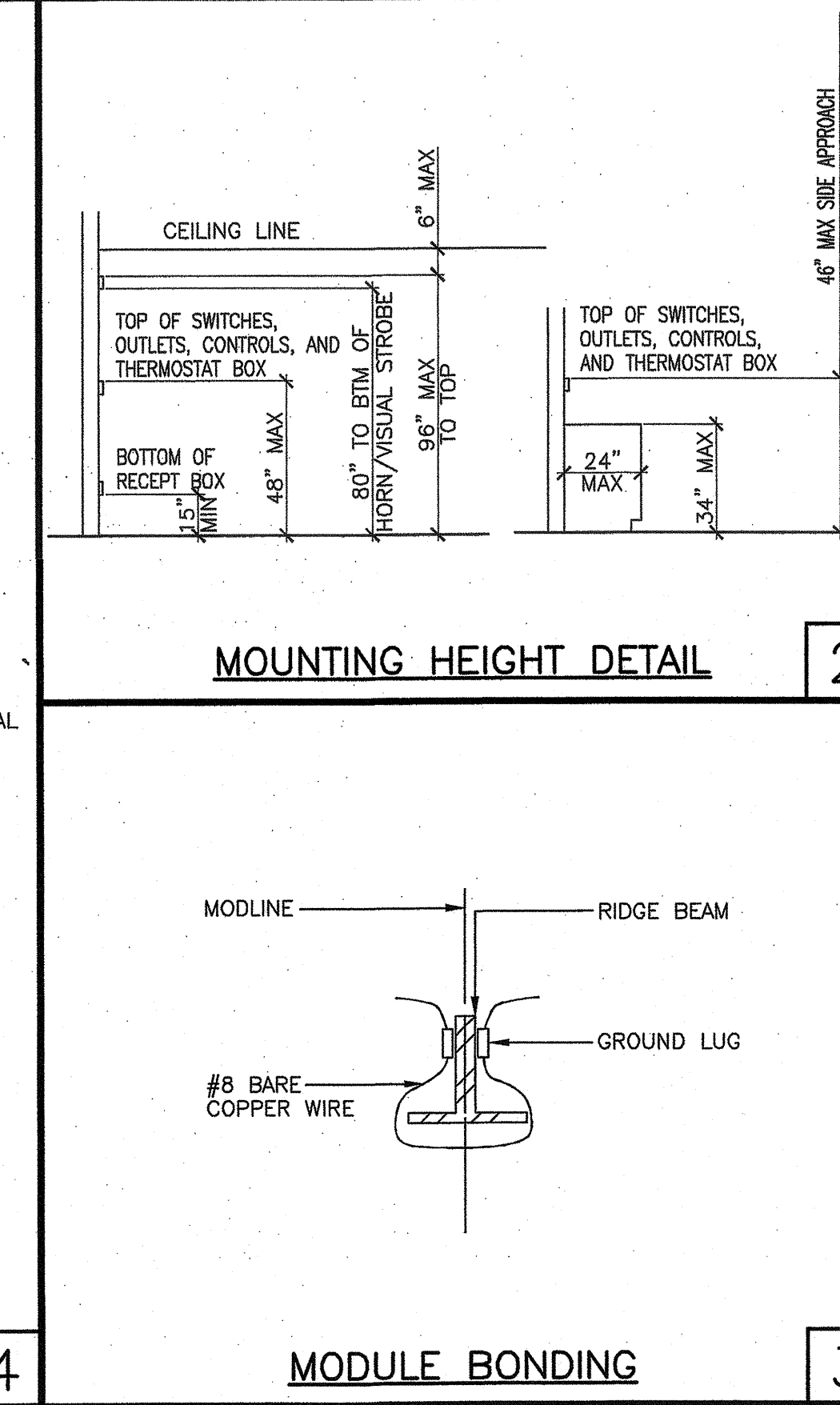
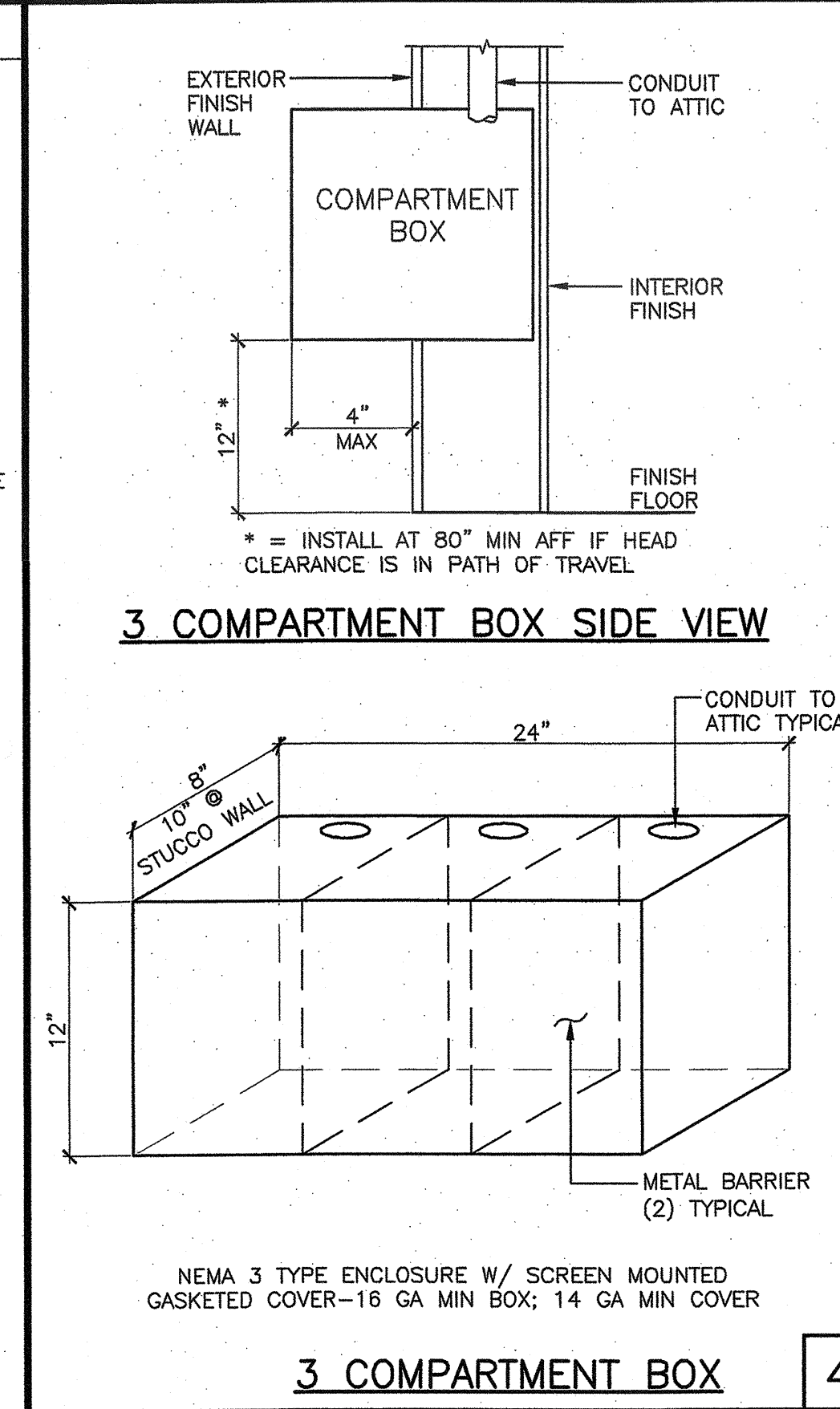
MP MD PP EQ E - OPTION 2: SHALL COMPLY WITH THE APPLICABLE OSHPD PRE-APPROVAL (OPM #) #

MP MD PP EQ E - OPTION 3: SHALL COMPLY WITH SMACNA SEISMIC RESTRAINT MANUAL, OSHPD EDITION (2009), INCLUDING ANY ADDENDA, FASTENERS AND OTHER ATTACHMENTS NOT SPECIFICALLY IDENTIFIED IN THE SMACNA SEISMIC RESTRAINT MANUAL, OSHPD EDITION, ARE DETAILED ON THE APPROVED DRAWINGS WHICH PROJECT SPECIFIC NOTES AND DETAILS. THE DETAILS SHALL ACCOUNT FOR THE APPLICABLE SEISMIC HAZARD LEVEL AND CONNECTION LEVEL FOR THE PROJECT AND CONDITIONS

#### PIPING, DUCTWORK AND ELECTRICAL DISTRIBUTION SYSTEM BRACING NOTE

PIPING, DUCTWORK, AND ELECTRICAL DISTRIBUTION SYSTEMS SHALL BE BRACED TO COMPLY WITH THE FORCES AND DISPLACEMENTS PRESCRIBED IN ASCE 7-10 SECTION 13.3 AS DEFINED IN ASCE 7-10 SECTION 13.6.5.6, 13.6.7, 13.6.8, AND 2016 CBC, SECTIONS 1616A.1.24, 1616A.1.25 AND 1616A.1.26.

THE METHOD OF SHOWING BRACING AND ATTACHMENTS TO THE STRUCTURE FOR THE IDENTIFIED DISTRIBUTION SYSTEM ARE AS NOTED BELOW. WHEN BRACING AND ATTACHMENTS ARE BASED ON A PREAPPROVED INSTALLATION GUIDE (E.G. SMACNA OR OSHPD OPM), COPIES OF THE BRACING SYSTEM INSTALLATION GUIDE OR MANUAL SHALL BE AVAILABLE ON THE JOBSITE PRIOR TO THE START OF AND DURING THE HANGING AND BRACING OF THE DISTRIBUTION SYSTEMS. THE STRUCTURAL ENGINEER OF RECORD SHALL VERIFY THE ADEQUACY OF THE STRUCTURE TO SUPPORT THE HANGER AND BRACE LOADS.



PROJECT SPECIFIC STATE AGENCY APPROVAL

**GLOBAL MODULAR**  
INCORPORATED

**AURORA MODTECH**  
DESIGN

CONTRACTORS LICENSE #837357

NORTHERN CALIFORNIA DIVISION  
1200 AIRPORT DRIVE  
CHICOHILLA, CA 95610  
PHONE: (530) 886-3600  
FAX: (530) 886-3700  
WEBSITE: WWW.GDM.NET

SOUTHERN CALIFORNIA DIVISION  
1850 CHICAGO AVE., SUITE #M-21  
RIVERSIDE, CA 92507  
PHONE: (951) 886-3633  
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PROJECT NAME:

SHEET TITLE:  
**ELECTRICAL DETAILS**

MFR. STRUCTURAL ENGINEER OF RECORD ON PC

IDENTIFICATION STAMP  
DIV. OF THE STATE ARCHITECT  
APPROX 120280  
AC W/ FLS. SS  
DATE: OCT 03 2019

DATE SIGNED:  
DEC 11 2018

MFR. PROJECT SPECIFIC PROFESSIONAL OF RECORD

ARCHITECT OF RECORD  
LICENSED ARCHITECT  
HAROLD L. HART  
C-38002  
06-30-2021  
RENEWAL DATE

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

IDENTIFICATION STAMP  
DIV. OF THE STATE ARCHITECT  
PC 02-116877  
DATE: DEC 14 2018

REVISIONS

PROJECT NO.: 00-0000  
DRAWN BY: 00  
SCALE: AS NOTED  
DATE: 00-00-00  
SHEET NUMBER

**EO.0**  
NOT BY BUILDING MANUFACTURER

LOAD CENTER SCHEDULE														PANEL A	
VOLTS 120/240		PHASE 1		BUSS 100 A		FEED WALL									
MAIN BRKR 100 A		WIRE 3		MOUNT RECESSED		LOCATION INTERIOR									
DESCRIPTION	WATTS		WIRE SIZE	BREAKER	POLE	CCT. NO.	A	B	CCT. NO.	POLE	WIRE SIZE	WATTS		DESCRIPTION	
	A#	B#										A#	B#		
A/C	5720	-	8 70	2	1	2	1	20	12	526	-	526	-	LIGHTS	
A/C	-	5720	-	-	3	4	1	20	12	-	-	526	-	LIGHTS	
EXT RECEPT	180	-	12 20	1	5	6	1	20	12	42	-	42	-	EXTERIOR LIGHTS	
-	-	-	-	-	7	8	1	20	12	-	-	1260	-	RECEPT	
-	-	-	-	-	9	10	1	20	12	600	-	600	-	F.A.C.P.	
-	-	-	-	-	11	12	-	-	-	-	-	-	-	-	
SUB TOTAL	5900	5720									1168	1786	SUB TOTAL		
LOAD		A 7,068		L.C.L. = 1,052 x 1.25 = 1,315		TOTAL LOAD									
B 7,506		OTHER = 13,522		MAX DEMAND = 14,837		MAX DEMAND 62 AMPS									
TOTAL 14,576															

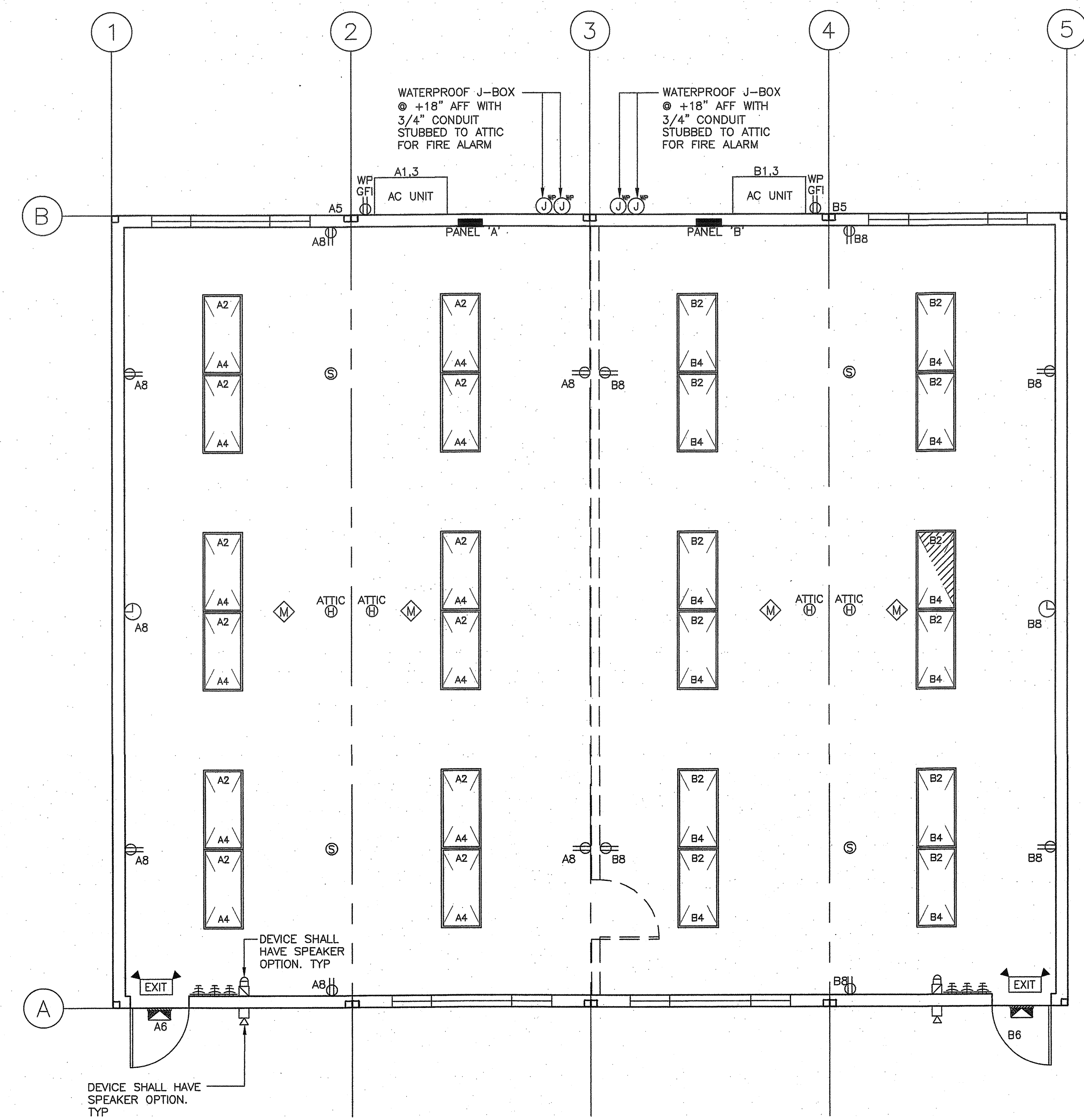
\* LABEL & LOCK ON DEVICE

LOAD CENTER SCHEDULE														PANEL B	
VOLTS 120/240		PHASE 1		BUSS 100 A		FEED WALL									
MAIN BRKR 100 A		WIRE 3		MOUNT RECESSED		LOCATION INTERIOR									
DESCRIPTION	WATTS		WIRE SIZE	BREAKER	POLE	CCT. NO.	A	B	CCT. NO.	POLE	WIRE SIZE	WATTS		DESCRIPTION	
	A#	B#										A#	B#		
A/C	5720	-	6 70	2	1	2	1	20	12	526	-	526	-	LIGHTS	
A/C	-	5720	-	-	3	4	1	20	12	-	-	526	-	LIGHTS	
EXT RECEPT	180	-	12 20	1	5	6	1	20	12	42	-	42	-	EXTERIOR LIGHTS	
-	-	-	-	-	7	8	1	20	12	-	-	1260	-	RECEPT	
-	-	-	-	-	9	10	1	20	12	600	-	600	-	F.A.C.P.	
-	-	-	-	-	11	12	-	-	-	-	-	-	-	-	
SUB TOTAL	5900	5720									1168	1786	SUB TOTAL		
LOAD		A 7,068		L.C.L. = 1,052 x 1.25 = 1,315		TOTAL LOAD									
B 7,506		OTHER = 13,522		MAX DEMAND = 14,837		MAX DEMAND 62 AMPS									
TOTAL 14,576															

\* LABEL & LOCK ON DEVICE

**GENERAL NOTES**

- SEE SHEET E0.0 FOR ELECTRICAL, FIRE ALARM AND SIGNAL PLAN DESIGN NOTES
- RECEPTS AT INTERIOR WALL APPLICABLE ONLY WITH OPTIONAL INTERIOR WALL
- LIGHTED EXIT SIGNS NOT APPLICABLE WITH OPTIONAL INTERIOR WALL
- EMERGENCY BACK-UP LIGHTS (SHOWN AS HATCHED) APPLICABLE WHEN INTERIOR WALL OPTION IS NOT USED
- PROVIDE EMERGENCY LIGHTING AT ALL EXTERIOR DOORS PER SECTION 1006.3.5. LOCATION OF EMERGENCY LIGHTING TO BE DETERMINED BY SITE ARCHITECT BASED ON PROJECT SPECIFIC DESIGN
- CBC SECTION 907.5.2.2.5, EMERGENCY POWER FOR EMERGENCY VOICE COMMUNICATION.
- SEE DAYLIT FLOOR PLANS FOR DAYLIT LOCATIONS
- WHEN ELECTRICAL PANEL WEIGHT EXCEEDS >20 LBS, SEE DETAILS 4 AB.1 OR 10 AB.1 FOR ATTACHEMENT



SEE PROJECT SPECIFIC DRAWING

PROJECT SPECIFIC (CHECK ONE):  
 STANDARD DESIGN AS SHOWN  
 SOLATUBE OPTION. REFERENCE SHEET A11.0

IDENTIFICATION STAMP  
 DIV. OF THE STATE ARCHITECT  
 APPROX 120380  
 AC W FLS SS SF  
 DATE 03 2019

**ELECTRICAL PLAN - WALL MOUNTED HVAC**  
 SCALE: 1/4" = 1'-0"

PROJECT SPECIFIC STATE AGENCY APPROVAL

**GLOBAL MODULAR**  
 INCORPORATED

**AURORA MODTECH**  
 DESIGN

CONTRACTORS LICENSE #837357

NORTHERN CALIFORNIA DIVISION 1500 CHICAGO AVE., SUITE #M-21  
 1200 AIRPORT DRIVE CHOWCHILLA, CA 93610  
 PHONE: (559) 885-5800 PHONE: (559) 888-3633  
 FAX: (559) 885-5700 FAX: (559) 888-3682  
 WEBSITE: WWW.GDM.NET WEBSITE: WWW.GDM.NET

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PROJECT NAME:

SHEET TITLE:  
**ELECTRICAL PLAN**  
**48'x40'**  
**(WALL MOUNTED HVAC)**

MFR. STRUCTURAL ENGINEER OF RECORD ON PC

DATE SIGNED  
 DEC 11 2018

MFR. PROJECT SPECIFIC PROFESSIONAL OF RECORD

ARCHITECT OF RECORD

**HAROLD L. HART**  
 C-38002  
 06-30-2021  
 RENEWAL  
 STATE OF CALIFORNIA

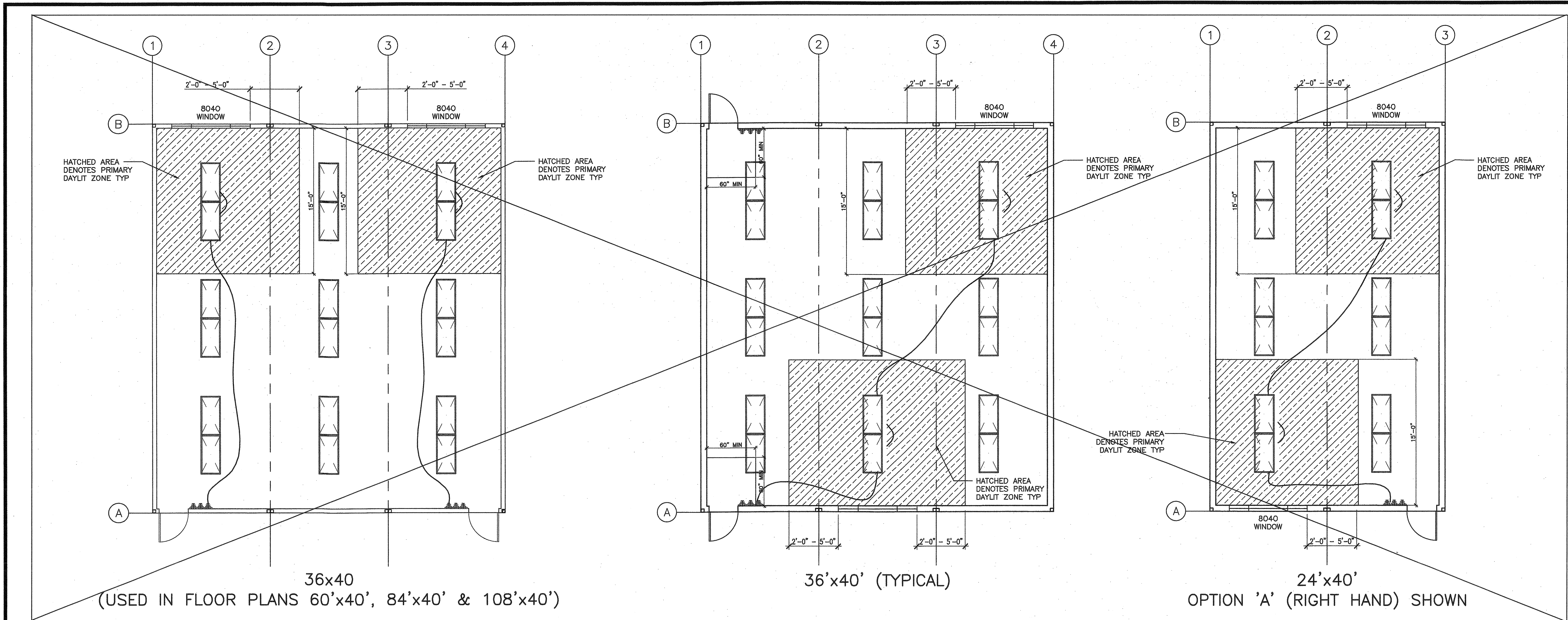
PRE-CHECK (PC) DOCUMENT CODE: 2018 CBC  
 A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRED

IDENTIFICATION STAMP  
 DIV. OF THE STATE ARCHITECT  
 PC 02-116677  
 DATE DEC 14 2018

REVISIONS

PROJECT NO.: 00-0000  
 DRAWN BY: 00  
 SCALE: AS NOTED  
 DATE: 00-00-00

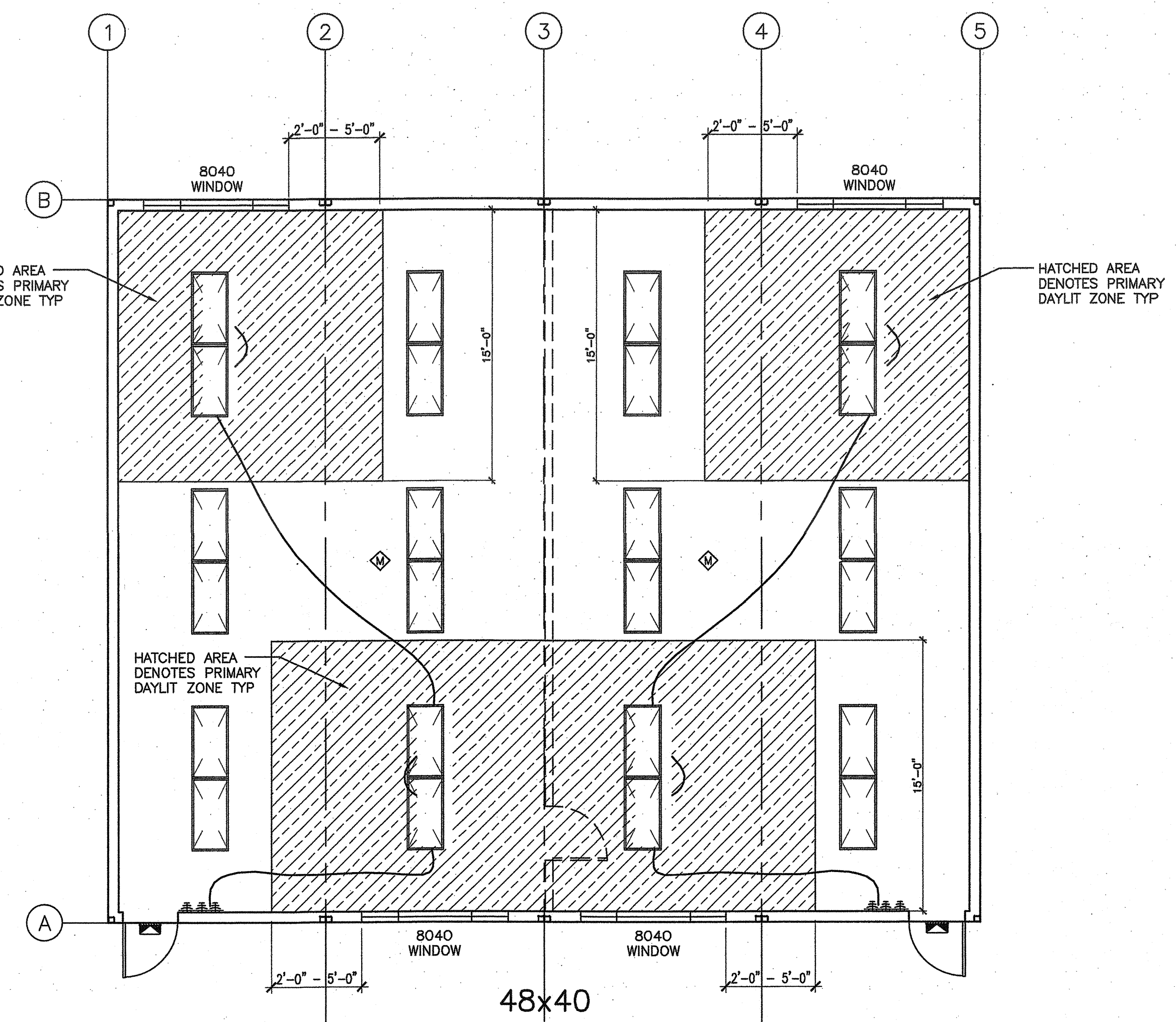
SHEET NUMBER  
**E3.0**



36x40  
(USED IN FLOOR PLANS 60'x40', 84'x40' & 108'x40')

36'x40' (TYPICAL)

24'x40'  
OPTION 'A' (RIGHT HAND) SHOWN



48x40

**NOTE**

1. THE PURPOSE OF THE DAYLIT ZONE PLANS ARE TO LOCATE THE PRIMARY SIDELIT DAYLIT ZONES AND ITS OPERATING SWITCH PER ENERGY CODE SECTION 130.1(d)1.B & 130.1(d)2, FOR ALL OTHER ELECTRICAL INFORMATION SEE ELECTRICAL PLANS. CALCULATION = 0.5 TIMES WINDOW HEAD HEIGHT FROM FINISH FLOOR EQUALS WIDTH ON EACH SIDE OF WINDOW MINUS ANY AREA ON A PLAN BEYOND A PERMANENT OBSTRUCTION THAT IS 6 FT OR TALLER AS MEASURED FROM THE FLOOR.
2. 8040 WINDOW (AS SHOWN, SEE ARCHITECTURAL FOR PRECISE SIZE)
3. REFER TO ELECTRICAL PLANS FOR EMERGENCY LIGHT LOCATIONS

DAYLIT ZONE FLOOR PLANS  
SCALE: 3/16" = 1'-0"

PROJECT SPECIFIC STATE AGENCY APPROVAL

**GLOBAL MODULAR**  
INCORPORATED

**AURORA MODTECH**  
DESIGNS

CONTRACTORS LICENSE #837357

NORTHERN CALIFORNIA DIVISION 1200 AIRPORT DRIVE, CHOWCHILLA, CA 93810  
PHONE: (559) 865-5800 FAX: (559) 865-5700 WEBSITE: WWW.GMOD.NET

SOUTHERN CALIFORNIA DIVISION 1860 CHICAGO INC., SUITE #M-21, RIVERSIDE, CA 92507  
PHONE: (951) 888-3800 FAX: (951) 888-3862 WEBSITE: WWW.GMOD.NET

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PROJECT NAME:

SHEET TITLE:  
**DAYLIT ZONE FLOOR PLANS**  
24'-48'x40'

MFR. STRUCTURAL ENGINEER OF RECORD ON PC

DATE SIGNED  
DEC 11 2018

MFR. PROJECT SPECIFIC PROFESSIONAL OF RECORD

ARCHITECT OF RECORD

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

IDENTIFICATION STAMP  
DIV. OF THE STATE ARCHITECT

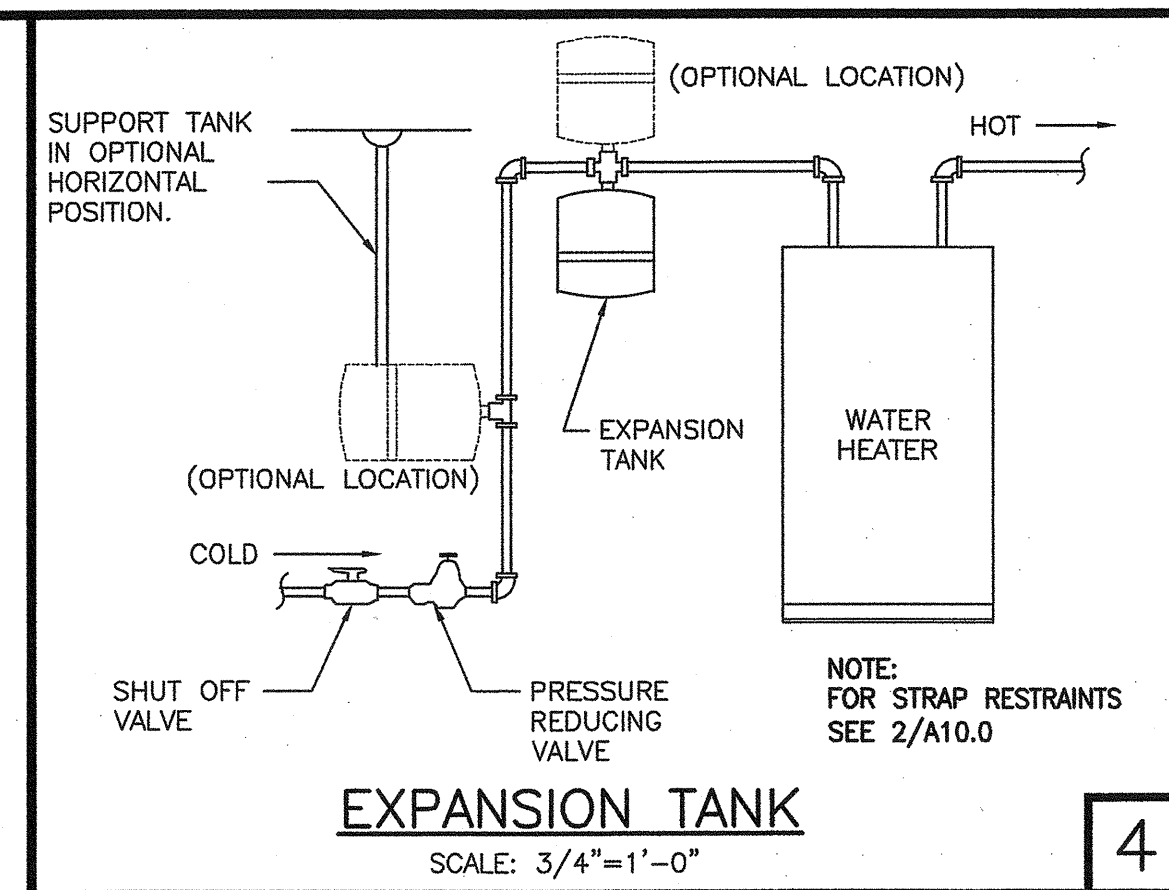
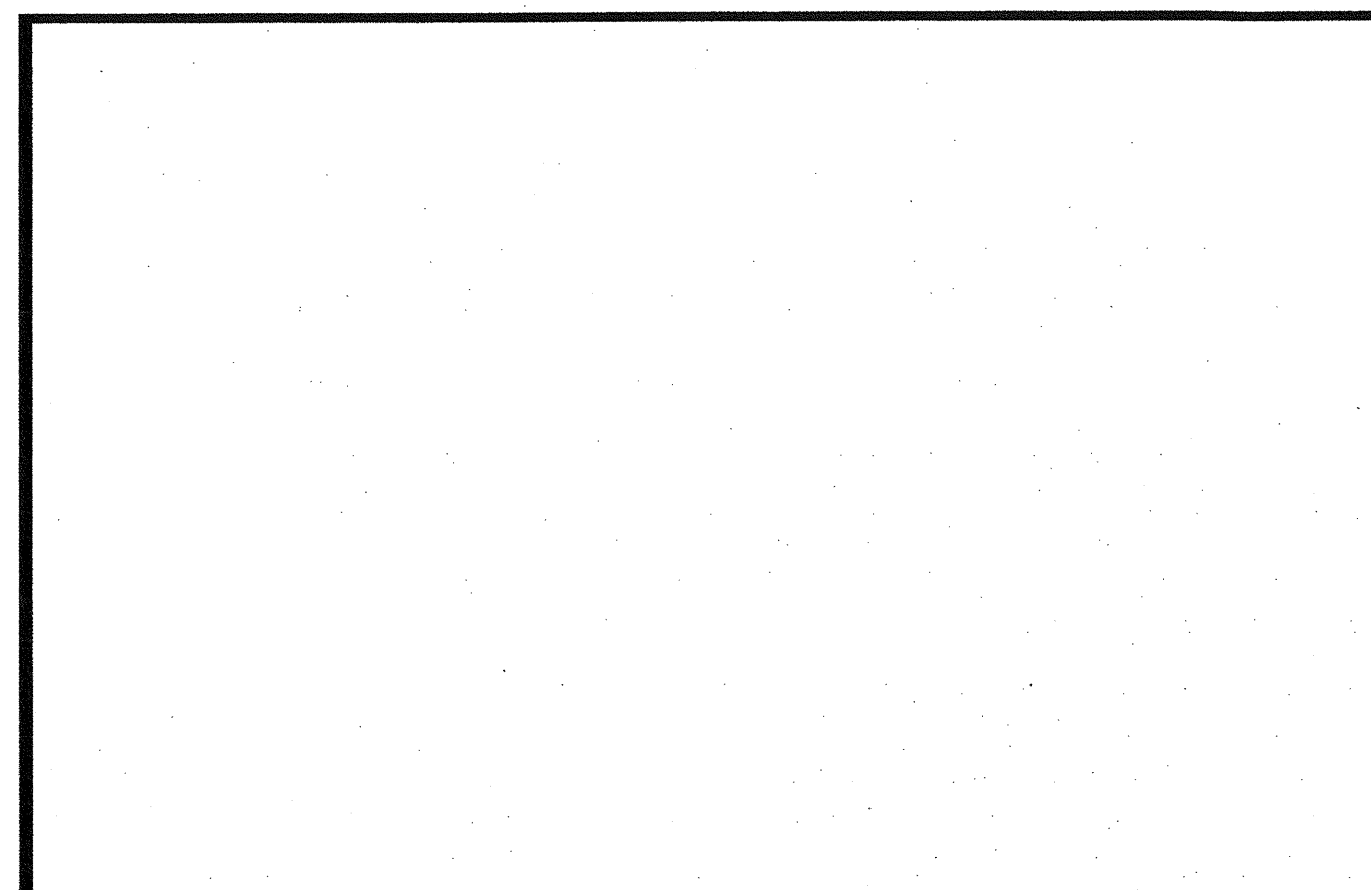
APPROX 120280  
AC N FLS SS  
DATE 07.02.2018

PC 02-118677  
AC N FLS SS  
DATE 11.11.2018

REVISIONS


PROJECT NO.: 00-0000  
DRAWN BY: 00  
SCALE: AS NOTED  
DATE: 00-00-00  
SHEET NUMBER

**E4.0DL**



**NOTES**

**MFP COMPONENT ANCHORAGE NOTE**

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- MOVABLE EQUIPMENT WHICH IS STATIONED IN ONE PLACE FOR MORE THAN 8 HOURS AND HEAVIER THAN 400 POUNDS OR HAS A CENTER OF MASS LOCATED 4 FEET OR MORE ABOVE THE ADJACENT FLOOR OR ROOF LEVEL THAT DIRECTLY SUPPORT THE COMPONENT ARE REQUIRED TO BE ANCHORED WITH TEMPORARY ATTACHMENTS.

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- 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.
- 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.

**PIPING, DUCTWORK AND ELECTRICAL DISTRIBUTION SYSTEM BRACING NOTE**

PIPING, DUCTWORK, AND ELECTRICAL DISTRIBUTION SYSTEMS SHALL BE BRACED TO COMPLY WITH THE FORCES AND DISPLACEMENTS PRESCRIBED IN ASCE 7-10 SECTION 13.3 AS DEFINED IN ASCE 7-10 SECTION 13.5.5.8, 13.6.7, 13.6.8, AND 2016 CBC, SECTIONS 1616A.1.24, 1616A.1.25 AND 1616A.1.26.

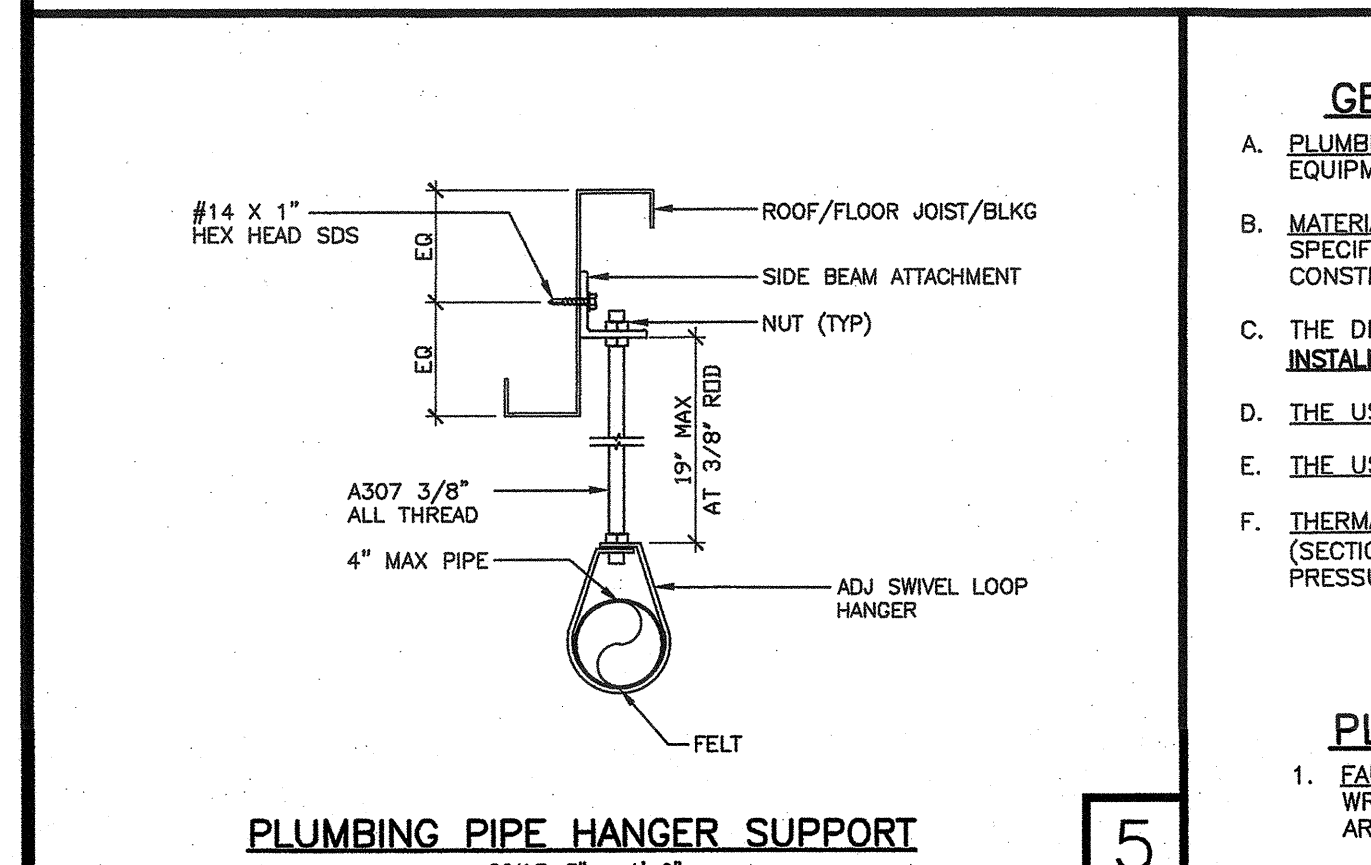
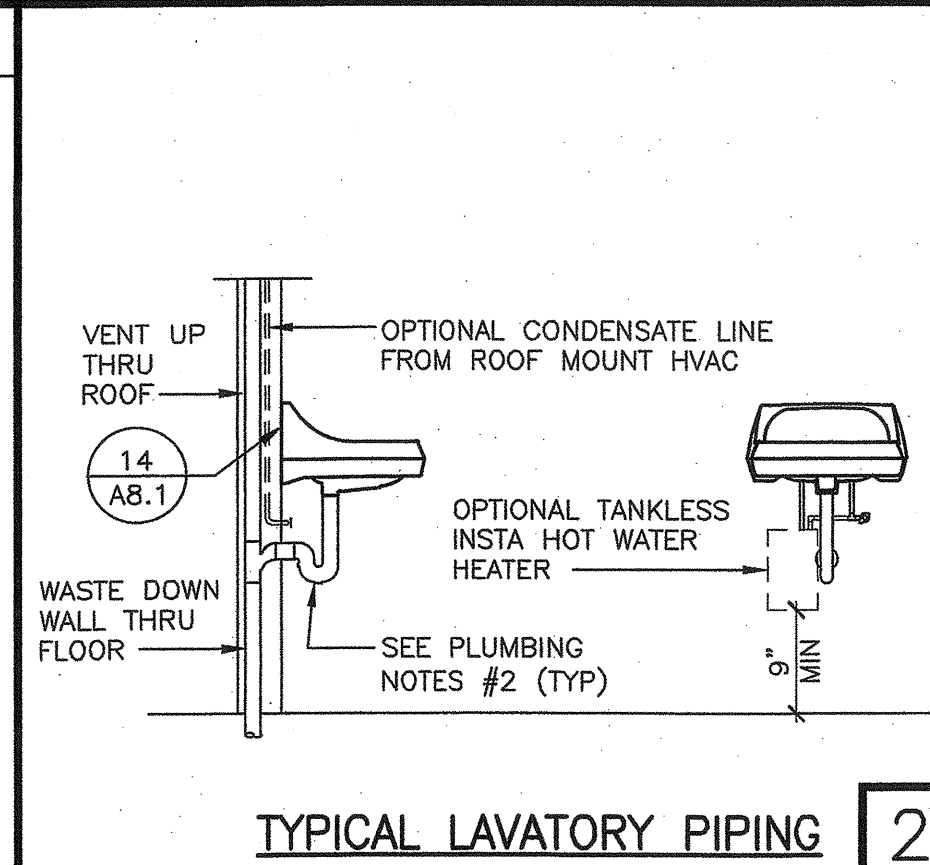
THE METHOD OF SHOWING BRACING AND ATTACHMENTS TO THE STRUCTURE FOR THE IDENTIFIED DISTRIBUTION SYSTEM ARE AS NOTED BELOW. WHEN BRACING AND ATTACHMENTS ARE BASED ON A PREAPPROVED INSTALLATION GUIDE (E.G. SMACNA OR OSHPD OPM), COPIES OF THE BRACING SYSTEM INSTALLATION GUIDE OR MANUAL SHALL BE AVAILABLE ON THE JOBSITE PRIOR TO THE START OF AND DURING THE HANGING AND BRACING OF THE DISTRIBUTION SYSTEMS. THE STRUCTURAL ENGINEER OF RECORD SHALL VERIFY THE ADEQUACY OF THE STRUCTURE TO SUPPORT THE HANGER AND BRACE LOADS.

MECHANICAL PIPING (MP), MECHANICAL DUCTS (MD), PLUMBING PIPING (PP), ELECTRICAL DISTRIBUTION SYSTEMS (E).

MFP MD PP E - OPTION 1: DETAILED ON THE APPROVED DRAWINGS WITH PROJECT SPECIFIC NOTES AND DETAILS

MFP MD PP E - OPTION 2: SHALL COMPLY WITH THE APPLICABLE OSHPD PRE-APPROVAL (OPM #)

MFP MD PP E - OPTION 3: SHALL COMPLY WITH SMACNA SEISMIC RESTRAINT MANUAL, OSHPD EDITION (2009), INCLUDING ANY ADDENDA, FASTENERS AND OTHER ATTACHMENTS NOT SPECIFICALLY IDENTIFIED IN THE SMACNA SEISMIC RESTRAINT MANUAL, OSHPD EDITION, ARE DETAILED ON THE APPROVED DRAWINGS WHICH PROJECT SPECIFIC NOTES AND DETAILS. THE DETAILS SHALL ACCOUNT FOR THE APPLICABLE SEISMIC HAZARD LEVEL AND CONNECTION LEVEL FOR THE PROJECT AND CONDITIONS

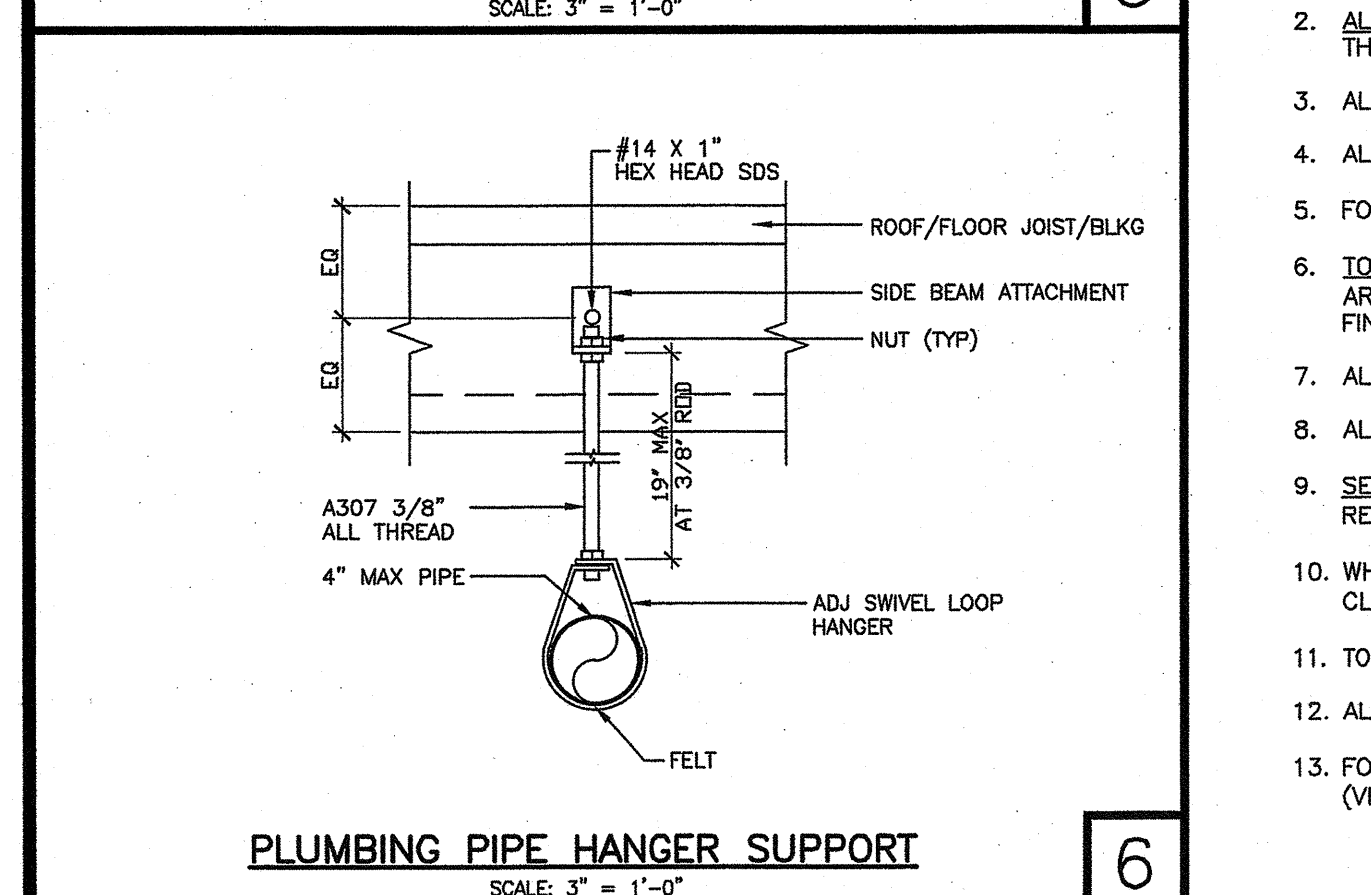


**GENERAL PLUMBING SPECIFICATIONS**

- PLUMBING EQUIPMENT, FIXTURE AND ACCESSORIES FURNISH AND INSTALL ALL PIPING, VALVES, VENTS, STOPS AND TRAPS REQUIRED TO CONNECT ALL FIXTURES AND EQUIPMENT PROVIDE ALL ELECTRICAL CONNECTIONS AS REQUIRED
- MATERIALS AND WORKMANSHIP: ALL WORKMEN SHALL BE SKILLED AND QUALIFIED FOR THE WORK WHICH THEY PERFORM ALL MATERIALS USED, UNLESS OTHERWISE SPECIFIED, SHALL BE NEW AND OF THE TYPES AND GRADE SPECIFIED WORKMANSHIP SHALL BE EQUAL OF BETTER IN QUALITY TO THAT REQUIRED BY THE CONSTRUCTION TRADES FOR A FINISHED PRODUCT
- THE DETAILS ON THIS SHEET ILLUSTRATE THE SPECIFIC REQUIREMENTS FOR INSTALLING THE FIXTURES AND THE ACCESSORIES SHOWN. INSTALL FIXTURES PER MFR'S INSTRUCTIONS SEE PROJECT SPECIFICATIONS FOR THE ACCESSORIES AND FIXTURES THAT APPLY TO THIS PROJECT.
- THE USE OF PEX TUBING, AND ITS FITTINGS AND INSTALLATION, SHALL COMPLY WITH TABLE 6-4, SECTIONS: 604.1.2, 604.1.1, 604.1.1.1, AND 604.1.1.2 OF THE CPC.
- THE USE OF PEX-AL-PEX TUBING AND ITS FITTINGS AND INSTALLATION, SHALL COMPLY WITH TABLE 6-4, SECTIONS: 604.13, 604.13.1 AND 604.13.2
- THERMAL EXPANSION TANK REQUIREMENTS FOR WATER HEATERS: THE CALIFORNIA PLUMBING CODE (SECTION 608.3) AND THE CALIFORNIA MECHANICAL CODE (SECTION 1005.0) REQUIRES A THERMAL EXPANSION TANK, OR LISTED EQUIVALENT, TO BE INSTALLED TO WATER HEATING SYSTEMS TO RELIEVE EXCESSIVE BUILDING PRESSURE DURING THE HEATING PROCESS.

**PLUMBING NOTES**

- FAUCET CONTROLS & OPERATING MECHANISMS: SHALL BE OPERABLE WITH ONE HAND AND SHALL NOT REQUIRE TIGHT GRASPING, PINCHING OR TWISTING OF THE WRIST. THE FORCE REQUIRED TO ACTIVATE CONTROLS SHALL BE NO MORE THAN 5 LBS LEVER OPERATED, PUSH TYPE & ELECTRONICALLY CONTROLLED MECHANISMS ARE ACCEPTABLE SELF-CLOSING VALVES ARE ALLOWED IF THE FAUCET REMAINS OPEN FOR AT LEAST 10 SECONDS.
- ALL WATER & DRAIN PIPES ACCESSIBLE UNDER LAVATORIES AND SINKS: SHALL BE INSULATED (CLASS I FLAME SPREAD INDEX 0-25) OR OTHERWISE COVERED THERE SHALL BE NO SHARP OR ABRASIVE OBJECTS OR SURFACES UNDER LAVATORIES.
- ALL VENTS TO ROOF AND VENT RISER CONNECTIONS TO BE OFFSET ABOVE CEILING FROM WALLS IN ORDER TO PREVENT PENETRATION THROUGH TOP PLATES.
- ALL WASTE DROPS IN WALLS TO BE OFFSET PRIOR TO WALL BOTTOM PLATES.
- FOR ALLOWABLE CUTTING/NOTCHING/BORED HOLES IN 2X WALL STUDS AND JOISTS, SEE TYPICAL DETAILS ON STRUCTURAL SHEETS
- TOILET CURB ON FLOORS: FOR TOILET ROOMS WITH MORE THAN TWO (2) FIXTURES IN RELOCATABLE BUILDINGS, PROVIDE A CONTINUOUS VINYL FLOORING, ARMSTRONG "RHINO 90402" OR EQUAL WITH FULLY SEALED JOINTS VINYL FLOORING TO EXTEND A MIN OF SIX (6) INCHES UP THE STUD WALL FROM THE FINISH FLOOR LEVEL.
- ALL INTERIOR COLD AND HOT WATER IS OVERHEAD PIPING EXCEPT AT INSIDE WALLS UNLESS OTHERWISE NOTED.
- ALL DRAIN AND SEWER FITTINGS BELOW FLOOR LINE SITE INSTALLED
- SEWER/WATER STUB OUTS: SHALL BE LOCATED WITHIN THE ALLOWABLE AREA AS SHOWN ON PLANS AND CONNECTIONS SHOULD BE EASILY ACCESSIBLE FOR FUTURE RELOCATION STUB OUT HEIGHT SHOULD BE COORDINATED WITH BUILDING MFR AND SITE CONTRACTOR/OWNER.
- WHEN THE TOP OF THE TOILET BOWL OR VALVE OBSTRUCTS THE REAR GRAB BAR, THE PLACEMENT OF THE BAR MAYBE LOCATED AT 36" MAX AFF AND MUST BE CLEAR 1-1/2" FROM THE BAR TO THE BOWL OR VALVE PER SECT 11159.4.1.3.2
- TOILET SEAT TO BE 2" MAX IN THICKNESS.
- ALL DIMENSIONS ON THIS SHEET ARE TO FACE OF FINISH.
- FOR ALL WALL HUNG WATER CLOSETS, USE 'JOSAM COMPANY' CLOSET CARRIERS, MODEL #12674 (LEFT HAND) OR #12694 (BACK TO BACK) OR #12704 (VERTICAL W/ LEFT HAND VENT) OR #12724 (VERTICAL BACK TO BACK)



**TRAP PRIMER TO FLOOR DRAIN**

**TRAP PRIMER TO FLOOR DRAIN**

PLUMBING FIXTURE SCHEDULE						
SYMBOL	DESCRIPTION	**ALTERNATE/OPTIONAL ACCESSIBLE FOR	WASTE	VENT	CW	HW
WC 1	BOWL: 'KOHLER' - MODEL# K-4325, KINGSTON, WALL HUNG FLUSHOMETER. SEE PLUMB NOTE #13 FOR CARRIER INFO VALVE: 'ZURN' - MODEL# Z6000PL-HET AQUAFLUSH, FLUSHOMETER 1.28 GPF SEAT: 'MAINLINE' - MODEL# ML1055/ML1055SSC, TOILET SEAT	ADULT AGES 12+ OR ELEM AGES 9-12	3"	2"	1"	-
WC 2	BOWL: 'KOHLER' - MODEL# K-4384, PRIMARY, FLOOR MOUNT FLUSHOMETER VALVE: 'ZURN' - MODEL# Z6000PL-HET AQUAFLUSH, FLUSHOMETER 1.28 GPF SEAT: 'MAINLINE' - MODEL# ML1055/ML1055SSC, TOILET SEAT	KINDER AGES 3-6	3"	2"	1"	-
WC 3	BOWL: 'KOHLER' - MODEL# K-98057, HIGHLINE, FLOOR MOUNT FLUSHOMETER VALVE: 'ZURN' - MODEL# Z6000PL-HET AQUAFLUSH, FLUSHOMETER 1.28 GPF SEAT: 'MAINLINE' - MODEL# ML1055/ML1055SSC, TOILET SEAT	ADULT AGES 12+	3"	2"	1"	-
WC 4	BOWL: 'KOHLER' - MODEL# K-98053, HIGHCLIFF, FLOOR MOUNT FLUSHOMETER VALVE: 'ZURN' - MODEL# Z6000PL-HET AQUAFLUSH, FLUSHOMETER 1.28 GPF SEAT: 'MAINLINE' - MODEL# ML1055/ML1055SSC, TOILET SEAT	ELEM AGES 9-12	3"	2"	1"	-
WC 5	BOWL: 'AMERICAN STANDARD' - MODEL# 2315.228, BABY DEVORO FLOWSE, FLOOR MOUNT TANK TYPE 1.28 GPF. SEAT: 'AMERICAN STANDARD' - MODEL# 5001G.055 INCLUDED WITH BOWL PACKAGE NOT PERMITTED FOR ACCESSIBLE KINDER USE DUE TO REAR GRAB RESTRICTION	-	3"	2"	1/2"	-
WC 6	BOWL: 'KOHLER' - MODEL# K-3998-0, WELLWORTH (LH LEVER), FLOOR MOUNT TANK TYPE 1.28 GPF. SEAT: 'MAINLINE' - MODEL# ML1055/ML1055SSC, TOILET SEAT NOT PERMITTED FOR ACCESSIBLE ELEM USE DUE TO REAR GRAB RESTRICTION	-	3"	2"	1/2"	-
WC 7	BOWL: 'KOHLER' - MODEL# K-3999, HIGHLINE, FLOOR MOUNT TANK TYPE 1.28 GPF SEAT: 'MAINLINE' - MODEL# ML1055/ML1055SSC, TOILET SEAT	ADULT AGES 12+	3"	2"	1/2"	-
UR 1	BOWL: 'KOHLER' - MODEL# K-5016-ET, DEXTER, WALL HUNG URINAL VALVE: 'ZURN' - MODEL# Z6003PLF-ULF, AQUASENSE, FLUSHOMETER 0.125 GPF	ALL AGES	3"	2"	3/4"	-
LV 1	LAV: 'KOHLER' - MODEL# K-2005, KINGSTON, WALL HUNG, 21-1/4" x 18-1/8" LAVATORY. 6 1/2" MAX SINK DEPTH FAUCET: 'CHICAGO' - MODEL# 420-E2805ABCP, SINGLE HANDLE, 0.5 GPM COLD WATER ONLY (OPTION): SUPPLY LINE WITH 3 WAY STOP TO SUPPLY LEFT & RIGHT SIDES COLD & HOT WATER (OPTION): WHEN HOT WATER IS PROVIDED, HOT WATER THAT IS NOT TO EXCEED 110° F WILL HAVE A TEMPERING VALVE ADDED BEFORE FAUCET. (CPC 407.3)	ALL AGES	2"	2"	1/2"	1/2"
SK 1	SINK: 'ELKAY' - MODEL# DRKAD2517, 25x17, 18 GA TOP MOUNT, LUSTERTONE, SS CLASSROOM SINK. SINK DEPTH: 6 1/2" MAX. ACTUAL SINK DEPTH SHALL BE VERIFIED ON PROJECT SPECIFIC FAUCET: 'JUST' - MODEL# JVR-1-W4, SINGLE HOLE FAUCET 1.5 GPM BUBBLER: 'JUST MANUFACTURING COMPANY' - MODEL# JSB-10 LEAD FREE BUBBLER NOTE: SPOUT HEIGHT SHALL BE NO MORE THAN 2" HIGH TO CONFORM WITH APPLICABLE CODE WHEN INSTALLED ON A CLASSROOM SINK COUNTER	ALL AGES	2"	1 1/2"	1/2"	1/2"
WH 1	6 GALLON ELECT WATER HEATER: 'BRADFORD WHITE' - MODEL# RE16U6 ELECT REQ: 120V, 12.5A. WT = 50# (FILLED WITH WATER) SEE DETAIL #2 OR #3/A10.0 FOR MOUNTING DETAIL	-	-	-	3/4"	3/4"
WH 2	12 GALLON ELECT WATER HEATER: 'BRADFORD WHITE' - MODEL# RE112U6 ELECT REQ: 120V, 12.5A. WT = 100# (FILLED WITH WATER) SEE DETAIL #2/A10.0 FOR MOUNTING DETAIL	-	-	-	3/4"	3/4"
WH 3	48 GALLON GAS WATER HEATER: 'BRADFORD WHITE' - MODEL# U-50T-55FR-3N. WT = 400# (FILLED WITH WATER) SEE DETAIL #2/A10.0 FOR MOUNTING DETAIL EXPANSION TANK 'FLEXCON INDUSTRIES' MODEL# FLEX 2 PRO PH, 2.1 GALLON	-	-	-	3/4"	3/4"
WH 4	TANKLESS ELECTRIC WATER HEATER: 'CHRONOMETER LABORATORIES' - MODEL# M20-L. INSTANT-FLOW, 0.5 GPM ELECTRICAL REQUIREMENTS: 120V, 20A. WT = 5#	-	-	-	1/2"	1/2"
SR 1	SERVICE SINK: 'FLORESTONE' - MODEL# MSR-2424, 24" x 24" x 10" MOLDED MOP RECEPTOR	-	2"	1 1/2"	1/2"	1/2"
HR 1	FAUCET: 'T&S BRONZE AND BRASS WORKS, INC' - MODEL# B-0665-BSTR MOP SINK FAUCETS	-	-	-	3/4"	-
HR 2	HOSE BIB: 'ZURN' - MODEL# Z1341-P34-RC, 3/4" FPT x 3/4" HOSE CONNECTION	-	-	-	3/4"	-
HR 3	WALL RECESSED BOX 'ZURN' - MODEL# Z1350 NARROW WALL HYDRANT	-	-	-	3/4"	-
DF 1	ELECTRIC REFRIGERATED DRINKING FOUNTAIN: 'ELKAY' - MODEL# EZ2SLBC, ADA BI-LEVEL ELECTRICAL REQUIREMENTS: 120V, 15A	ALL AGES	2"	1 1/2"	1/2"	-
DF 2	DRINKING FOUNTAIN WALL MOUNTED: 'ELKAY' - MODEL# EDFPR214C, ADA, SINGLE USE FOUNTAIN	ALL AGES	1 1/4"	1 1/4"	1/2"	-
GD 1	FOOD WASTE DISPOSER: 'IN-SINK-ERATOR' - MODEL# BADGER 5, 6-5/16" X 12- 5/8", 1/2 HP. ELECTRICAL REQUIREMENTS: 120V, 6.9A	-	1 1/2"	-	-	-
FD 1	FLOOR DRAIN: 'JOSAM' - MODEL# FD-310, 5" DIAMETER CAST IRON	-	2"	1 1/2"	1/2"	-
TP 1	TRAP PRIMER: 'PRECISION PLUMBING PRODUCTS' (PPP) - MODEL# PR-500 VACUUM BREAKER TRAP PRIMER	-	-	-	-	-
FP 1	FLUSH ACCESS PANEL: 'ELMDOR' - 10" x 10", WHITE IN COLOR UNO	-	-	-	1/2"	-
WH 1	WATER HAMMER ARRESTOR: 'ZURN' MODEL 1250XL	-	-	-	-	-

FOR ELEMENTARY AND KINDER NON-ACCESSIBLE (STANDARD) MOUNTING HEIGHTS, USE THE ACCESSIBLE DIMENSIONS FOR ALL FIXTURES

NOTE: NON-ACCESSIBLE (STANDARD) MOUNTING HEIGHTS FOR ADULT FIXTURES SHALL BE THE FOLLOWING:  
TOILET SEAT HEIGHT- 15" AFF  
URINAL UP HEIGHT- 24" AFF

SEE PROJECT SPECIFIC SHEET

PROJECT SPECIFIC STATE AGENCY APPROVAL

IDENTIFICATION STAMP  
DIV. OF THE STATE ARCHITECT  
APPROX 120980  
AC FL SS  
DATE OCT 03 2019

**GLOBAL MODULAR**  
INCORPORATED

**AURORA MODTECH**  
MODULAR STRUCTURES

CONTRACTORS LICENSE #837357

NORTHERN CALIFORNIA DIVISION 1200 AIRPORT DRIVE CHOWCHILLA, CA 93616  
PHONE: (559) 865-2800 FAX: (559) 865-5700 WEBSITE: WWW.GMOD.NET

SOUTHERN CALIFORNIA DIVISION 1680 CHICAGO AVE., SUITE #4-21 RIVERSIDE, CA 92507  
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PROJECT NAME:

SHEET TITLE:  
**PLUMBING SCHEDULE AND DETAILS**

MFR. STRUCTURAL ENGINEER OF RECORD ON PC

DATE SIGNED  
DEC 11 2018

MFR. PROJECT SPECIFIC PROFESSIONAL OF RECORD

ARCHITECT OF RECORD

LICENSE ARCHITECT  
HAROLD L. HART  
C-38002  
RENEWAL DATE 06-30-2021  
STATE OF CALIFORNIA

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

IDENTIFICATION STAMP  
DIV. OF THE STATE ARCHITECT  
PC 02-116677  
DATE DEC 4 2018

REVISIONS

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DRAWN BY: 00  
SCALE: AS NOTED  
DATE: 00-00-00  
SHEET NUMBER

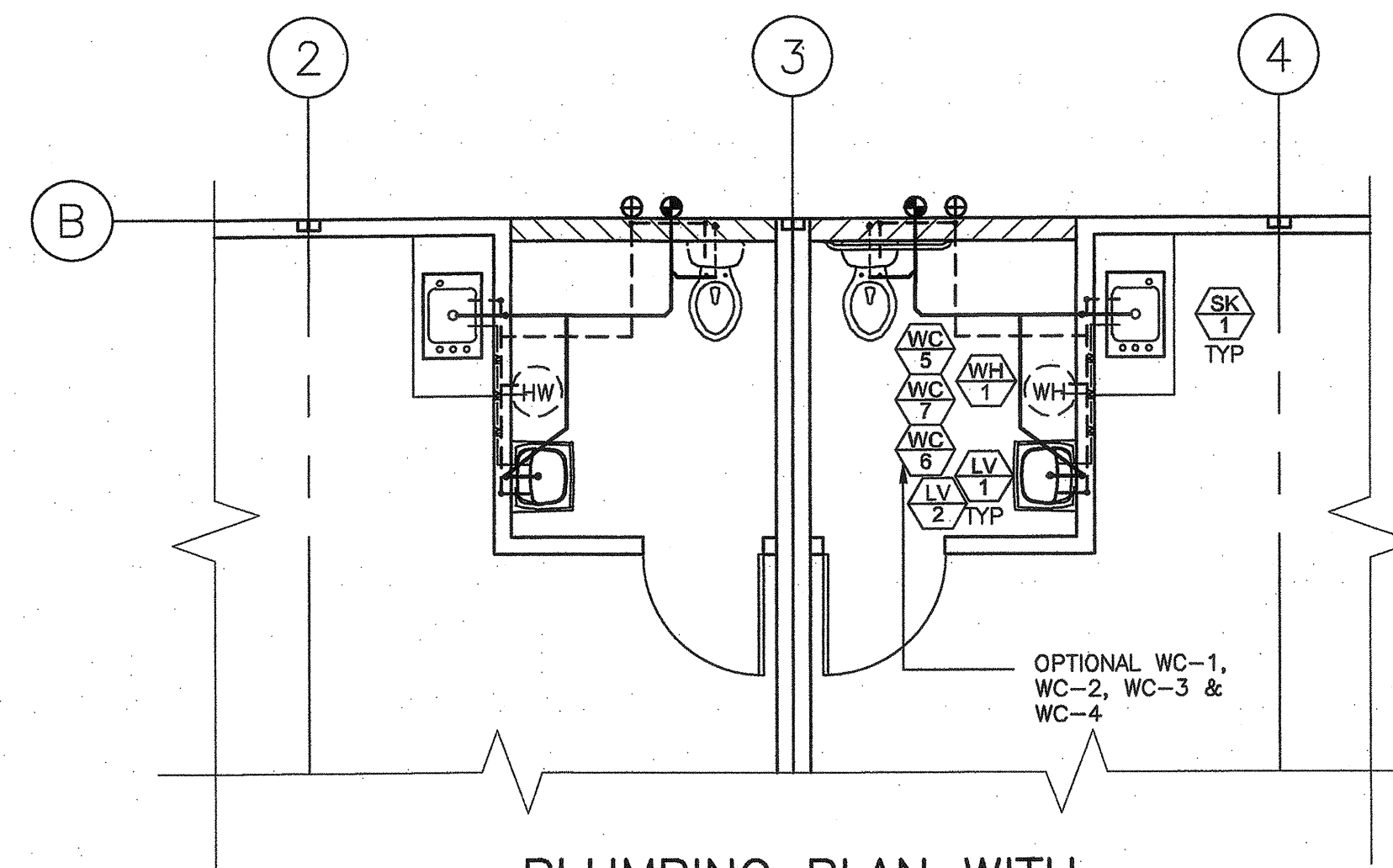
**P0.0**

**PLUMBING LEGEND**

- COLD WATER
- HOT WATER
- WASTE
- VENT
- CLEAN OUT
- +--- WALL CLEAN OUT (WCO)
- +--- VENT THROUGH ROOF (VTR)
- FLOOR CLEAN OUT (FCO)
- ⊕ WATER POC
- ⊖ WASTE POC
- PIPE UP OR PIPE DOWN
- ⊕ PLUMBING FIXTURE CALL OUT (REFERENCE SHEET PO.D FOR FIXTURE SCHEDULE)

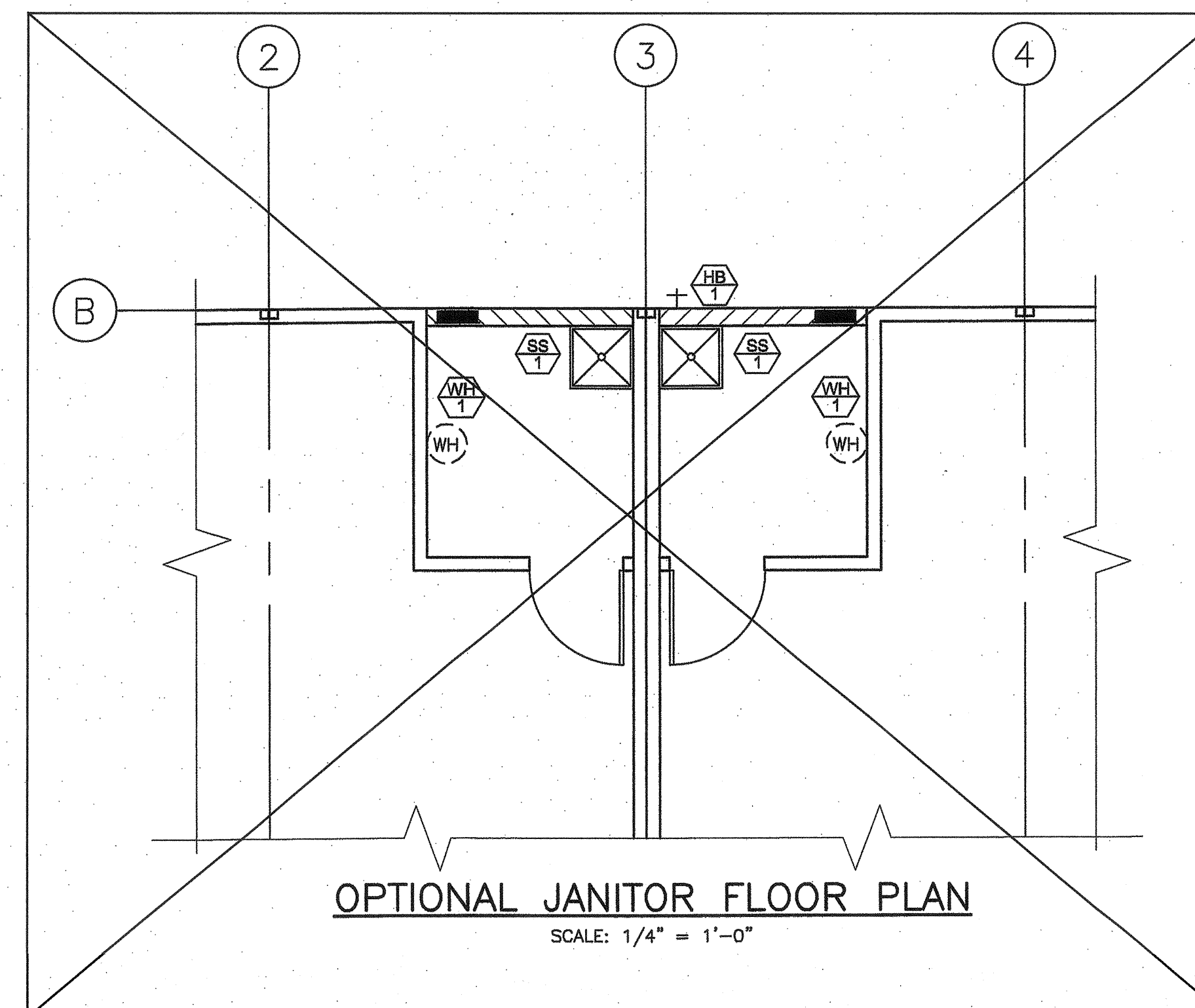
**GENERAL NOTES**

1. INSULATE WATER LINES PER ENERGY CODE SECTION 123
2. ALL PLUMBING VENTS SHALL BE 10'-0" MINIMUM AWAY FROM ANY FRESH AIR IN-TAKE EQUIPMENT



**PLUMBING PLAN WITH RESTROOM ACCESSORIES**

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



**OPTIONAL JANITOR FLOOR PLAN**

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

SEE PROJECT SPECIFIC DRAWING

PROJECT SPECIFIC STATE AGENCY APPROVAL



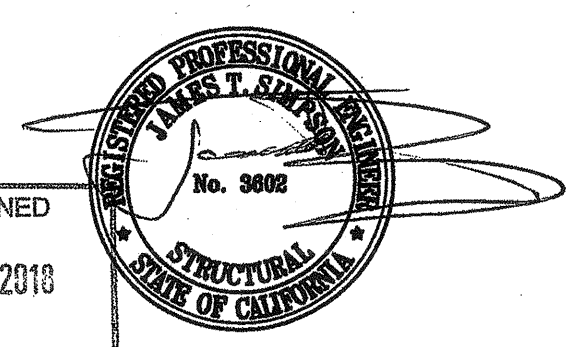
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 PHONE: (559) 885-5800 FAX: (559) 885-5700 WEBSITE: WWW.GDM.NET  
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PROJECT NAME:

SHEET TITLE:  
**PLUMBING PLAN  
 48' X 40'**

MFR. STRUCTURAL ENGINEER OF RECORD ON PC



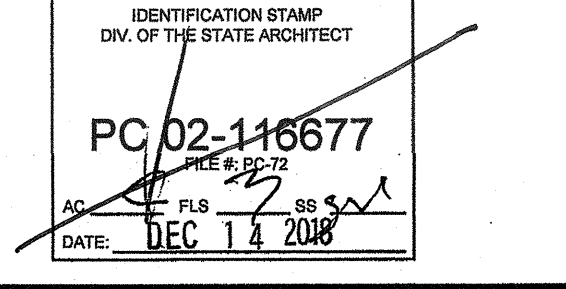
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MFR. PROJECT SPECIFIC PROFESSIONAL OF RECORD

ARCHITECT OF RECORD



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

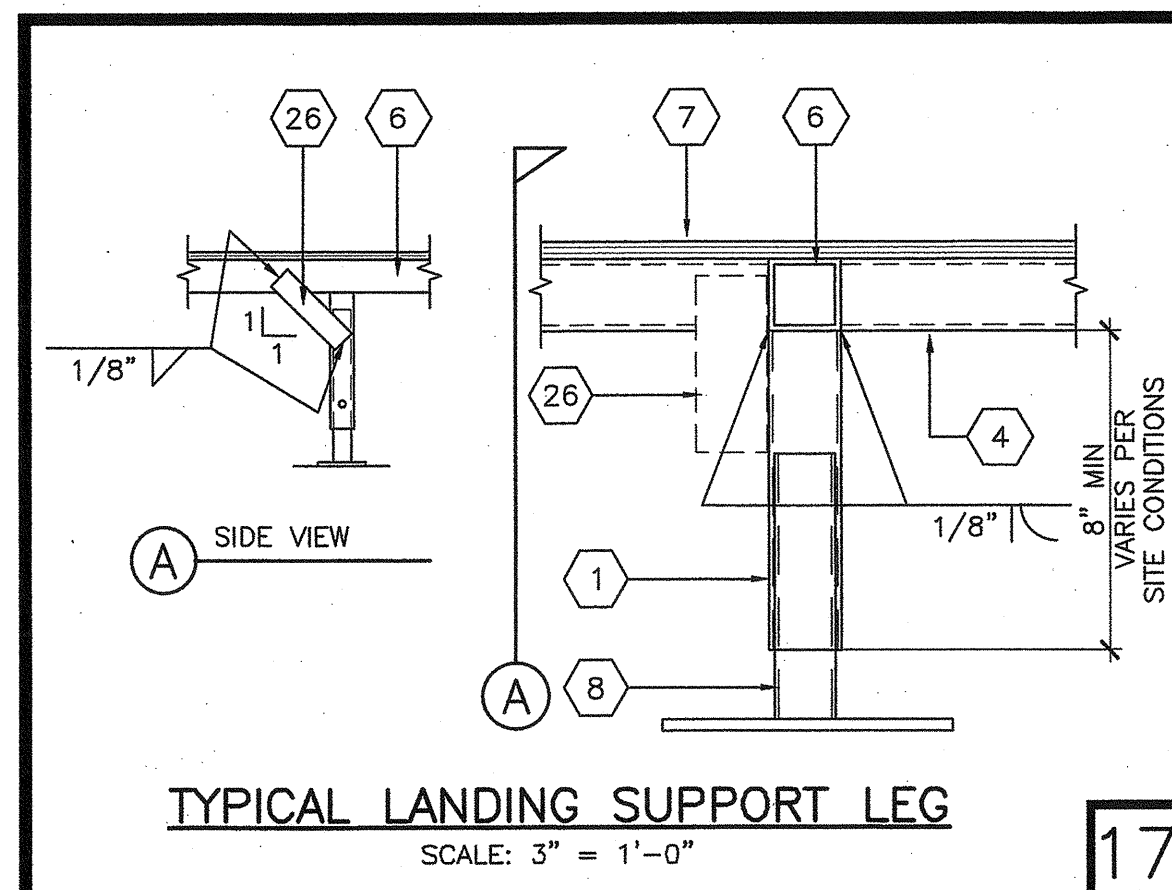


REVISIONS

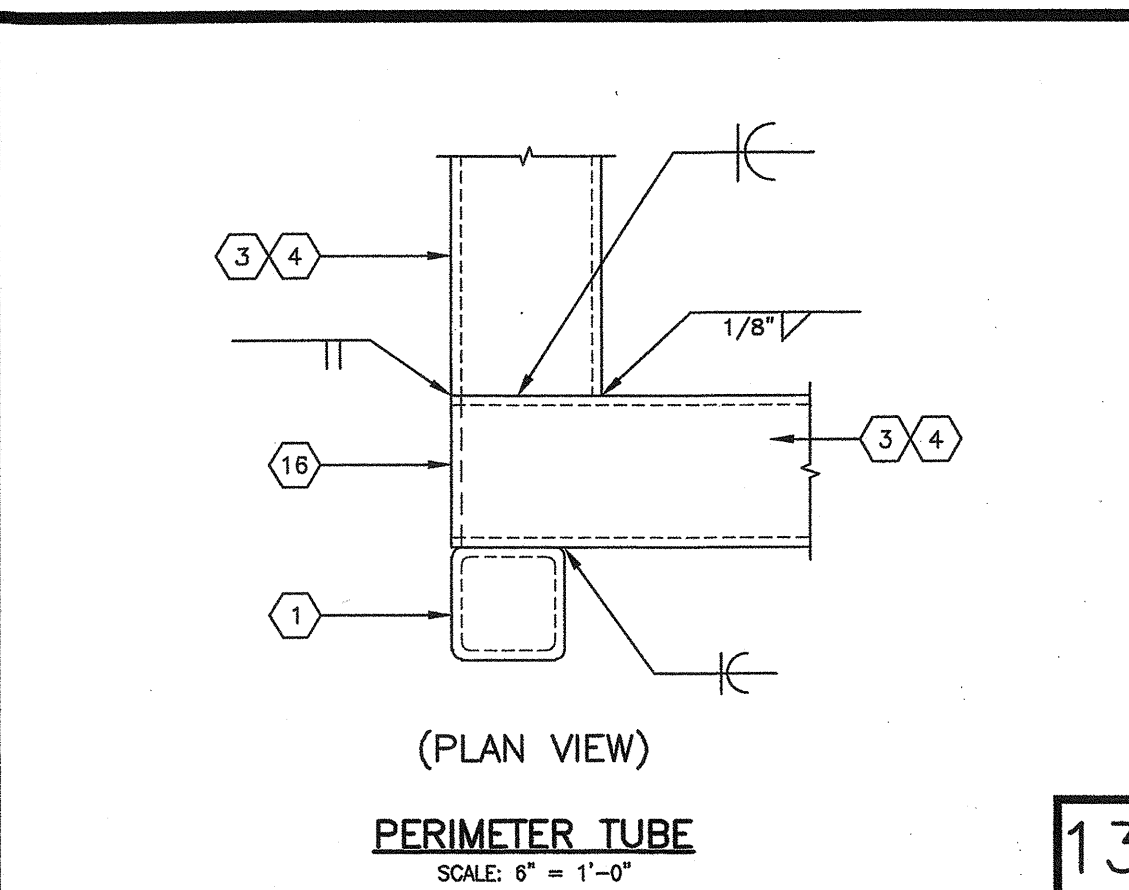

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 DRAWN BY: 00  
 SCALE: AS NOTED  
 DATE: 00-00-00

SHEET NUMBER  
**P3.0**

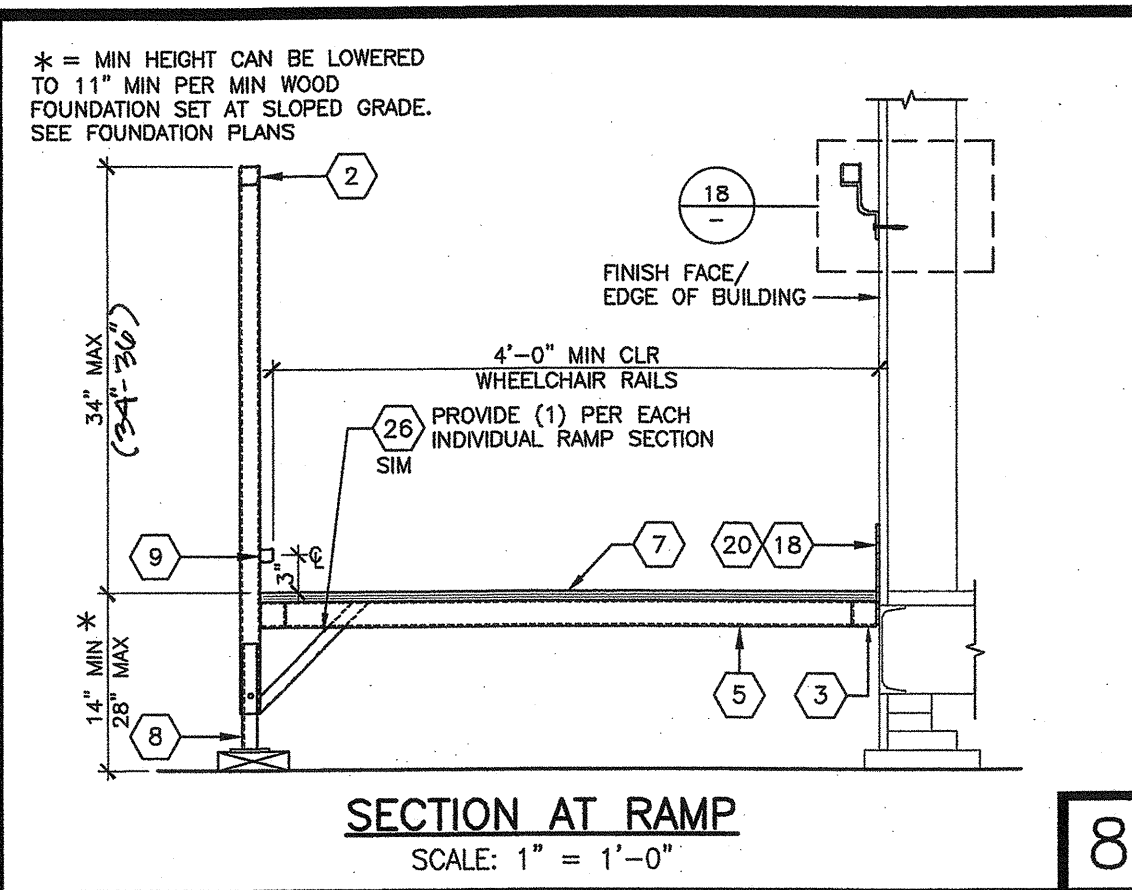
IDENTIFICATION STAMP  
 DIV. OF THE STATE ARCHITECT  
 APP03 120280  
 AC [initials] FLS [initials] SS [initials] [initials]  
 DATE OCT 03 2018



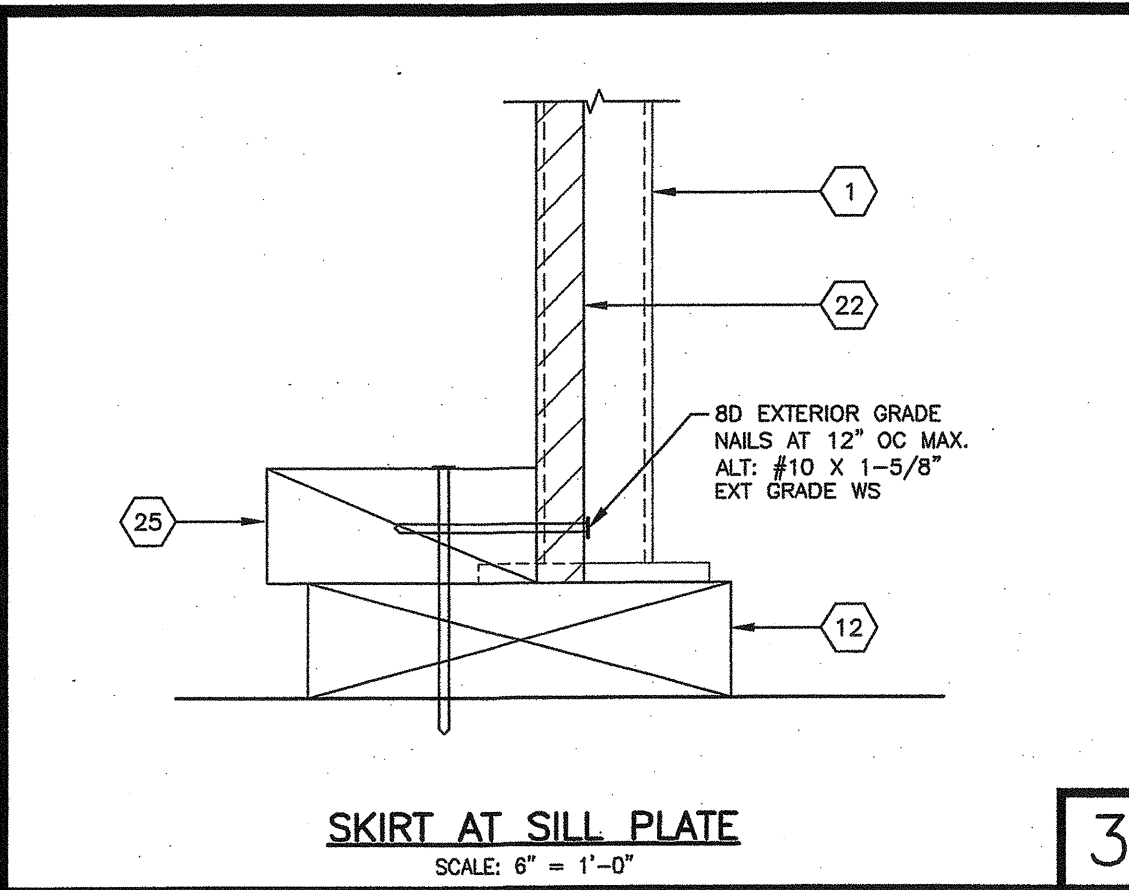
TYPICAL LANDING SUPPORT LEG  
SCALE: 3" = 1'-0"



PERIMETER TUBE  
SCALE: 6" = 1'-0"

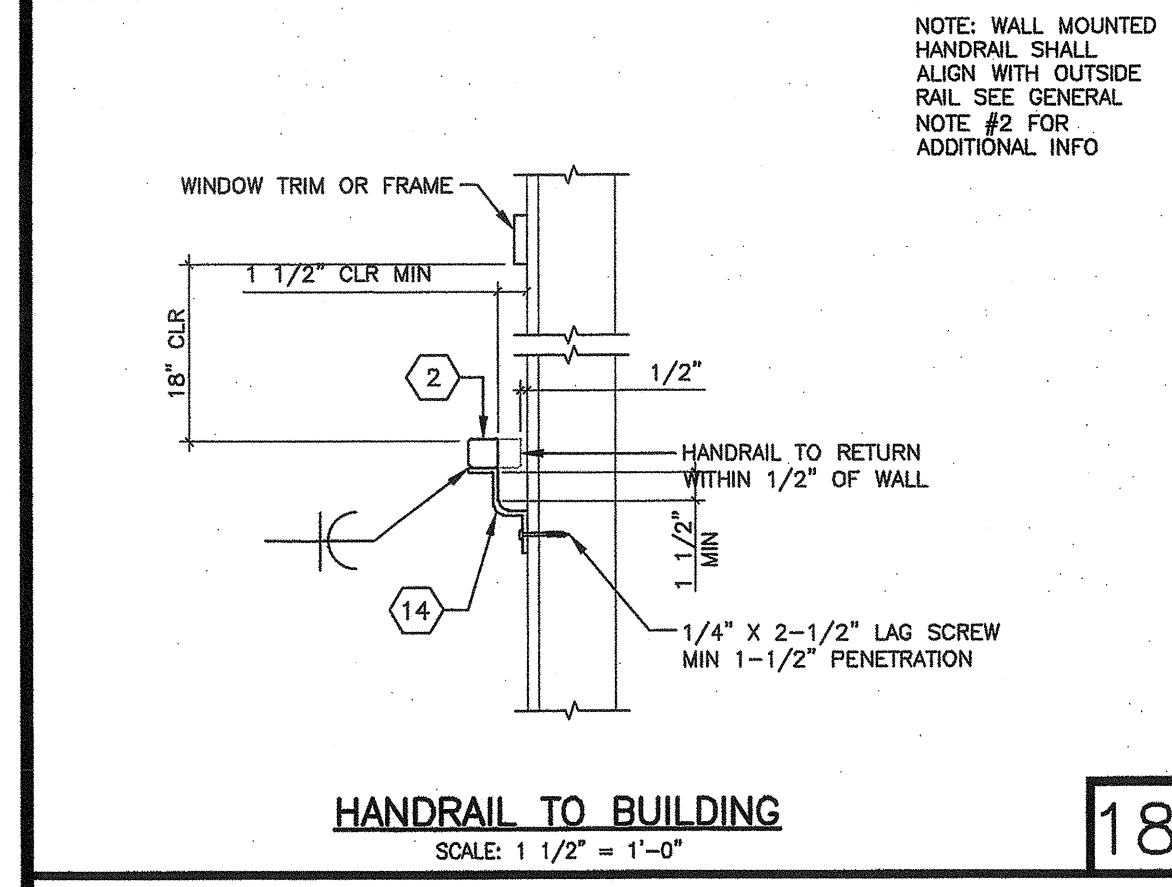


SECTION AT RAMP  
SCALE: 1" = 1'-0"

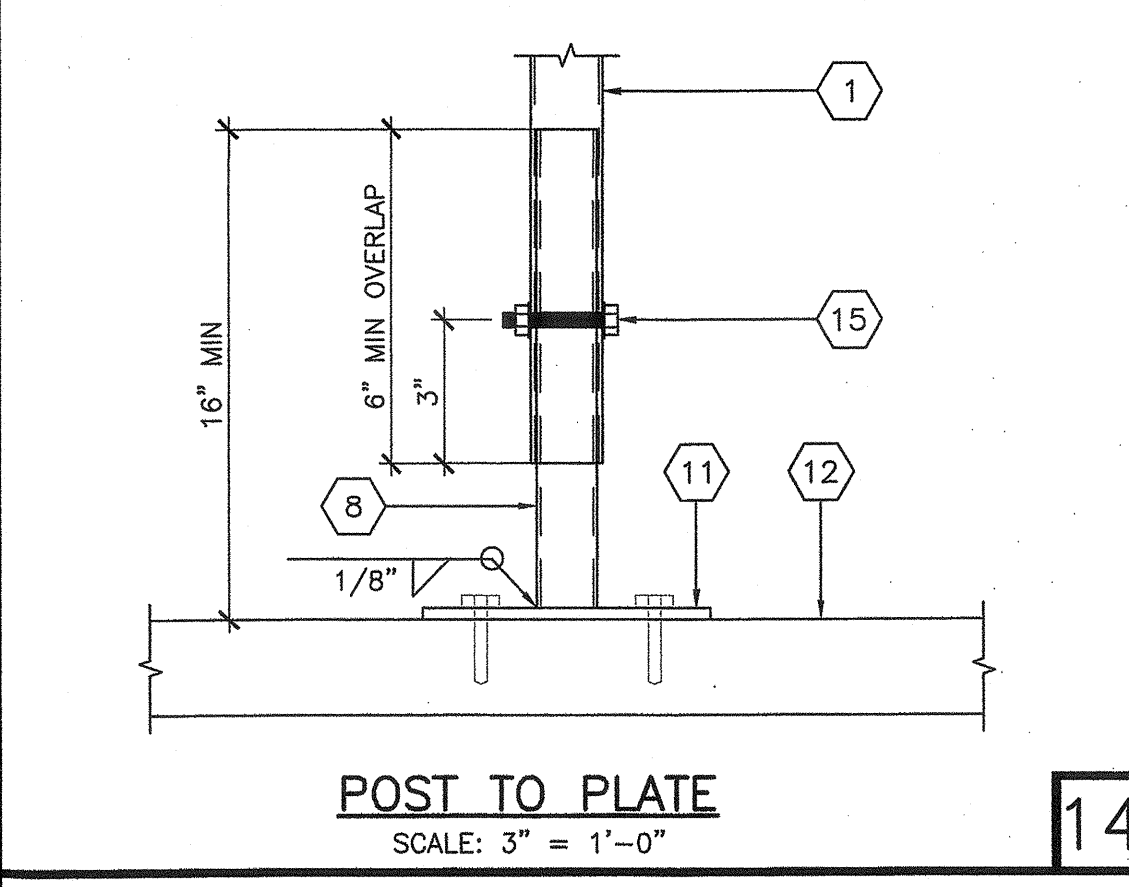


SKIRT AT SILL PLATE  
SCALE: 6" = 1'-0"

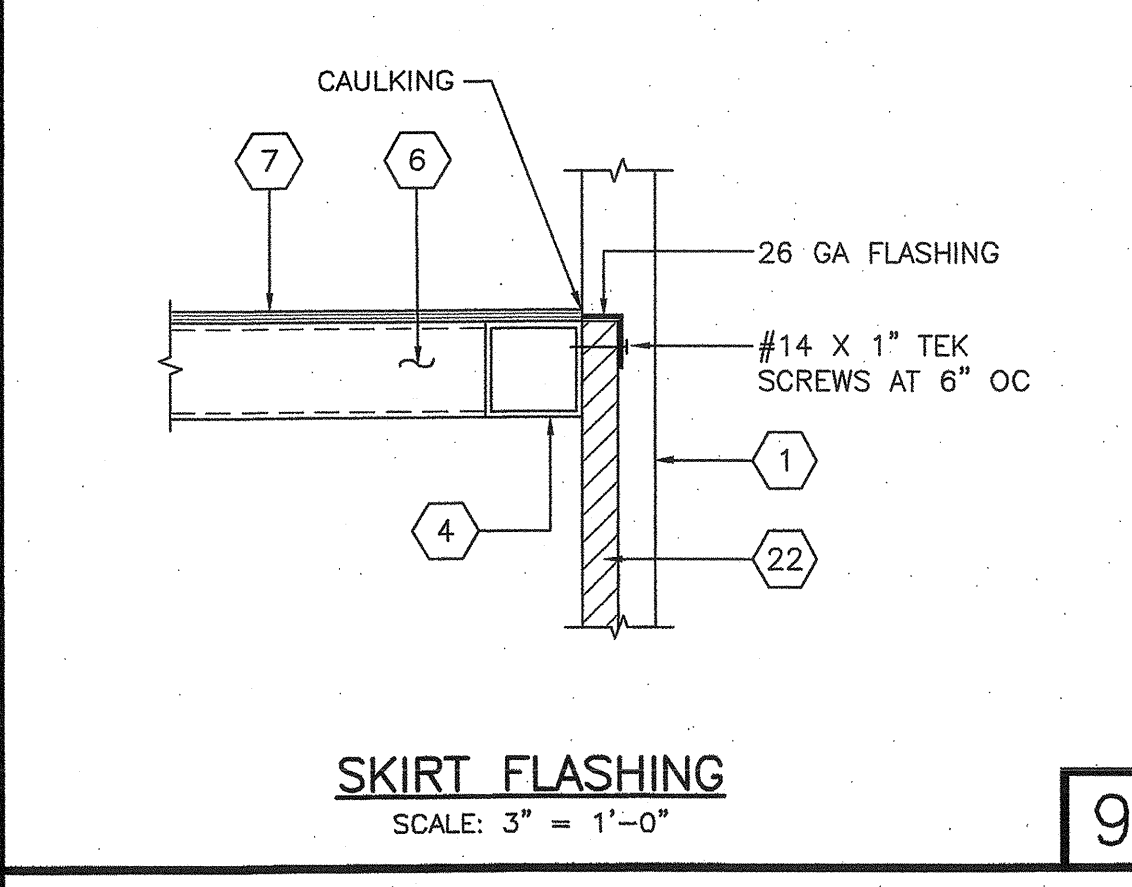
- KEY NOTES**
- UPRIGHT TUBE: 1 1/2" X 1 1/2" X 11 GA MIN (t = 0.120") SQUARE TUBE
  - HANDRAIL TUBE: 1 1/2" X 1 1/2" X 16 GA MIN (t = 0.065") SQUARE TUBE SEE GENERAL NOTE #2
  - RAMP PERIMETER TUBE: 1 1/2" X 1 1/2" X 16 GA MIN (t = 0.065") SQUARE TUBE
  - LANDING PERIMETER TUBE: 2" X 2" X 16 GA MIN (t = 0.065") SQUARE TUBE
  - RAMP CROSS TUBE: 1 1/2" X 1 1/2" X 16 GA MIN (t = 0.065") AT 16" OC MAX
  - LANDING CROSS TUBE: 2" X 2" X 16 GA MIN (t = 0.065") SQUARE TUBE AT 16" OC MAX
  - PLYWOOD DECKING (STANDARD): USE 3/4" EXTERIOR GRADE PLYWOOD DECKING WITH 24" OC SPAN RATING ATTACH PLYWOOD DECK WITH #12 STS AT 6" OC BOUNDARY AND EDGES, 12" OC FIELD SEE GENERAL NOTES #3 FOR ADDITIONAL INFORMATION.
  - 12 GA METAL DECK (OPTIONAL): NON-SLIP SURFACE MAINTAINABLE FOR 1 YEAR. SEE GENERAL NOTES #3 AND DETAIL #4
  - ADJUSTABLE LEGS: 1" X 1" X 14 GA MIN (t = 0.075") SQ TUBE WELDED TO LEG BASE PLATE
  - WHEELCHAIR GUIDE RAILS: 1" X 1" X 14 GA MIN (t = 0.075") SQUARE TUBE, 1/8" FILLET WELDED TO UPRIGHT MEMBERS
  - 3/8" GALV MACHINE BOLT WITH NUT
  - 3" X 6" X 1/4" THICK GALV BASE PLATE DRILL (2) 5/16" HOLES FOR (2) 1/4" X 1-1/2" GALV LAG SCREWS
  - CONTINUOUS 2 X 6 HF #2 MIN PRESSURE TREATED SILL PLATE
  - 1" X 19" STANDARD WEIGHT HOT DIPPED GALVANIZED PIPE AT 10'-0" OC MAX, 2'-0" MAX FROM EACH CORNER IN BOTH DIRECTIONS AND A MINIMUM OF TWO PIPES PER DISCONTINUE FOUNDATION STRIP PER DSA R 15-1 SECTION 4.8 DRILL SILL PLATE 1 1/2" MAX HOLE PIPE SHOULD PENETRATE INTO SOIL AND/OR PAVING A MIN OF 12" MEASURED VERTICALLY PIPES SHALL BE INSTALLED ON A CONTINUOUS PLATE
  - HANDRAIL MOUNTING BRACKET: 3/8" X 4" GALV LAG BOLT TO WOOD STUD OR #14 GALV TEK SCREWS TO METAL STUDS BRACKET OCCURS AT (3) PLACES, (1) AT EACH END AND (1) AT MID SPAN OF HANDRAIL
  - 1/4" GALV BOLT THRU BOTH TUBES, FASTEN BOLT WITH NUT
  - PLASTIC END CAP
  - 1 1/2" X 1 1/2" X 12 GA LANDING SUPPORT
  - RAMP ATTACHMENT: 8" X 1/8" PLATE WITH #14" X 3" GALV WOOD SCREWS TO WOOD STUDS OR #14 GALV TEK SCREWS TO STEEL OR 1/4" X 3" TAPCON SCREWS AT CONC AT 10" OC MAX
  - 2" X 2" 16 GA MIN (t = 0.065") CROSS TUBING
  - LANDING ATTACHMENT: 8" X 2 1/2" X 1/8" STEEL TABS W/ (2) EVEN SPACED 1/4" X 3" GALV LAG SCREWS TO BUILDING AT WOOD STUDS USE #14 GALV TEK SCREWS AT METAL STUDS. LOCATE STEEL TABS AWAY FROM DOOR
  - SUPPORT PLATE - 1 1/4" X 1/8" THICK PLATE
  - WOOD SKIRTING ROUGH SAWN T-1-11 UNGROOVED
  - RAMP EXTENSION FRAME
  - 3" X 1" X 3'-0" X 10 GA BENT PLATE
  - 2X NAILED TO SILL PLATE WITH 16D EXT GRADE AT 16" OC MAX. ALT: #10 X 3" EXT GRADE WS
  - 1 1/2" SQUARE TUBE X 16 GA BRACE @ EACH UPRIGHT TUBE WELD AT 45" MAX
  - 1 1/2" X 1 1/2" X 11 GA MIN (t = 0.120") SQUARE TUBE STAIR AND RISER FRAMING



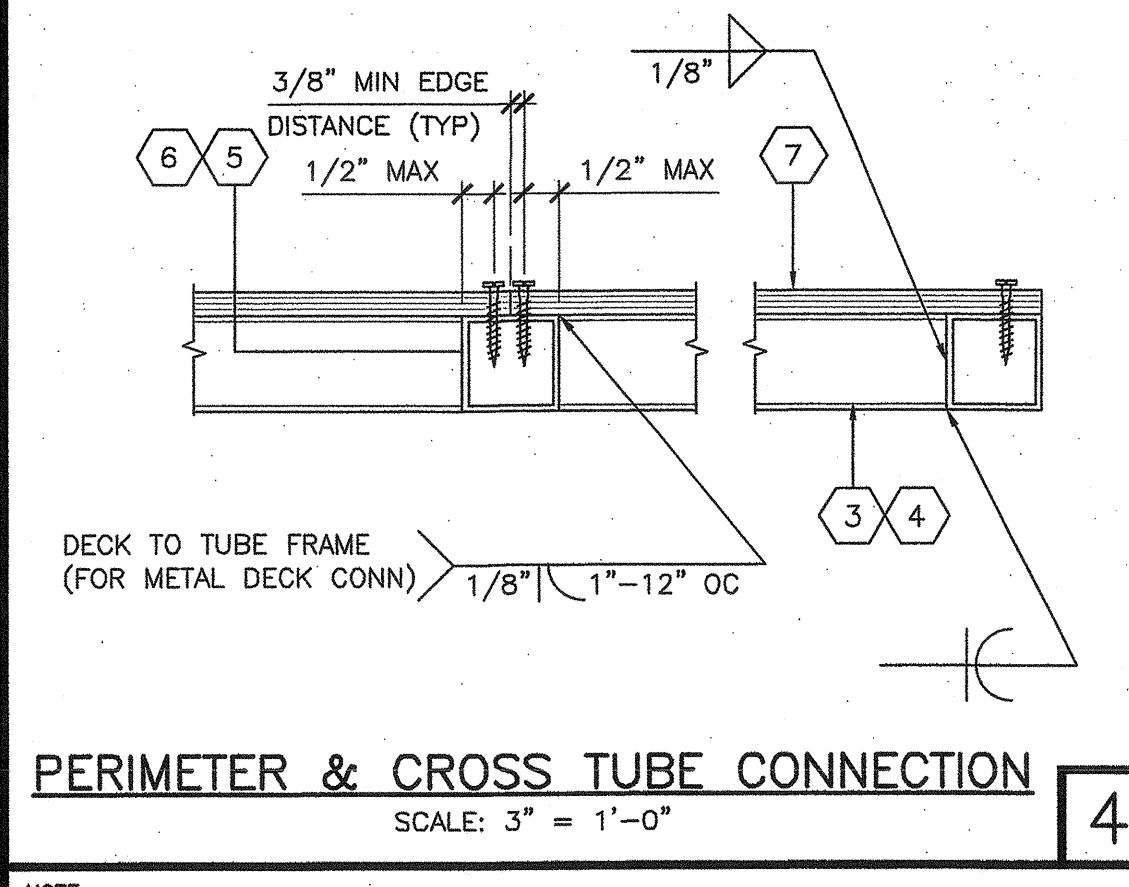
HANDRAIL TO BUILDING  
SCALE: 1 1/2" = 1'-0"



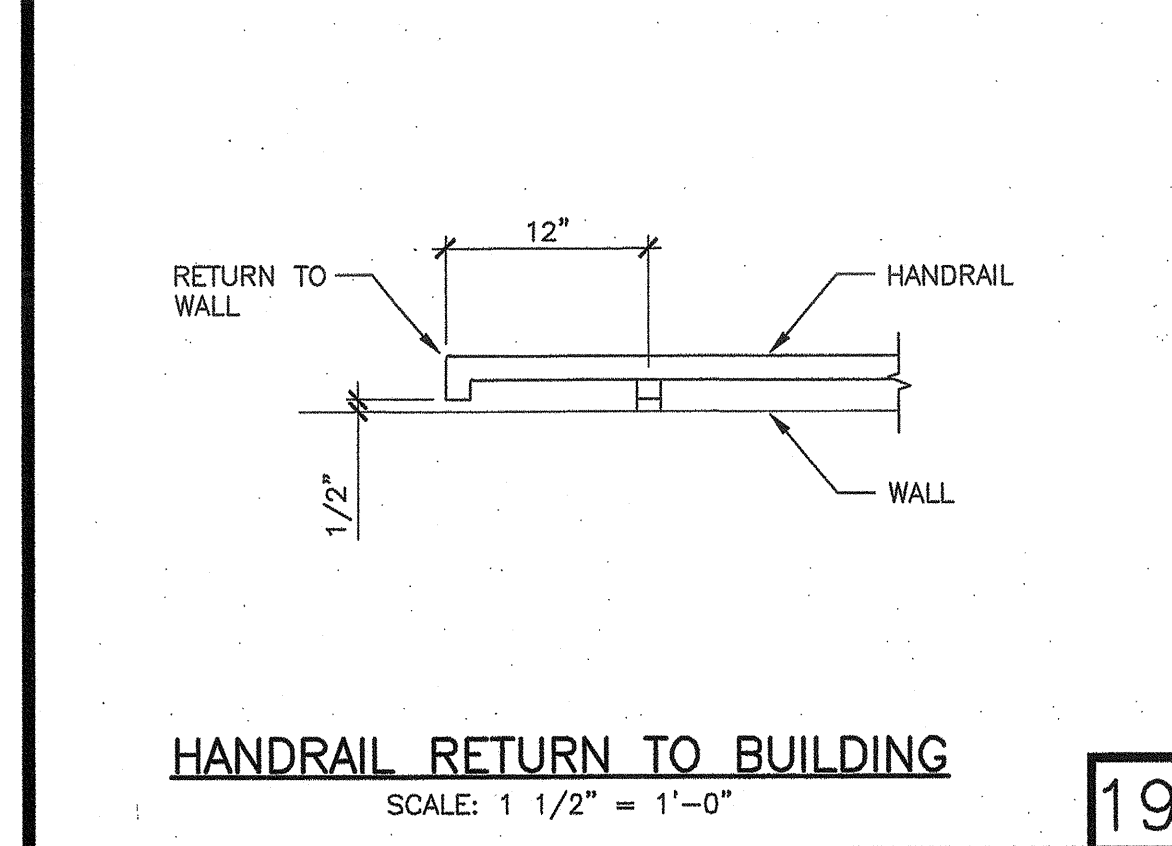
POST TO PLATE  
SCALE: 3" = 1'-0"



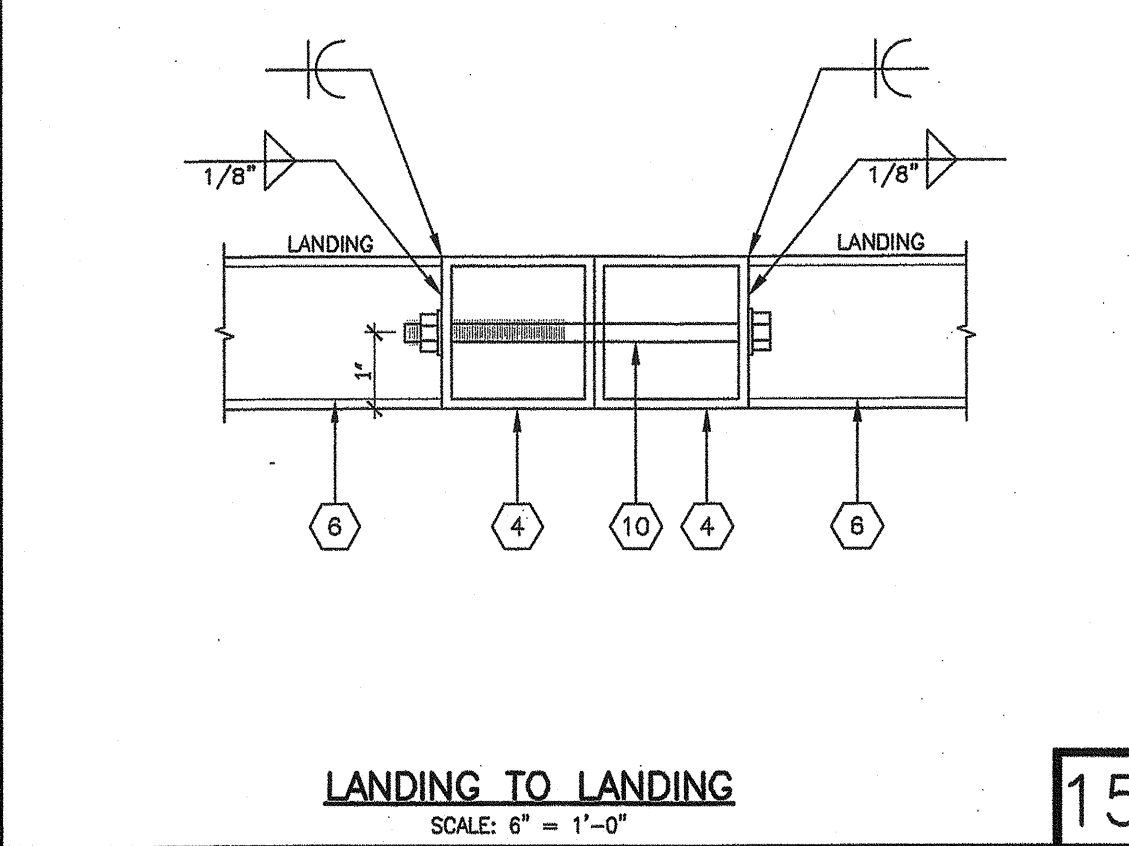
SKIRT FLASHING  
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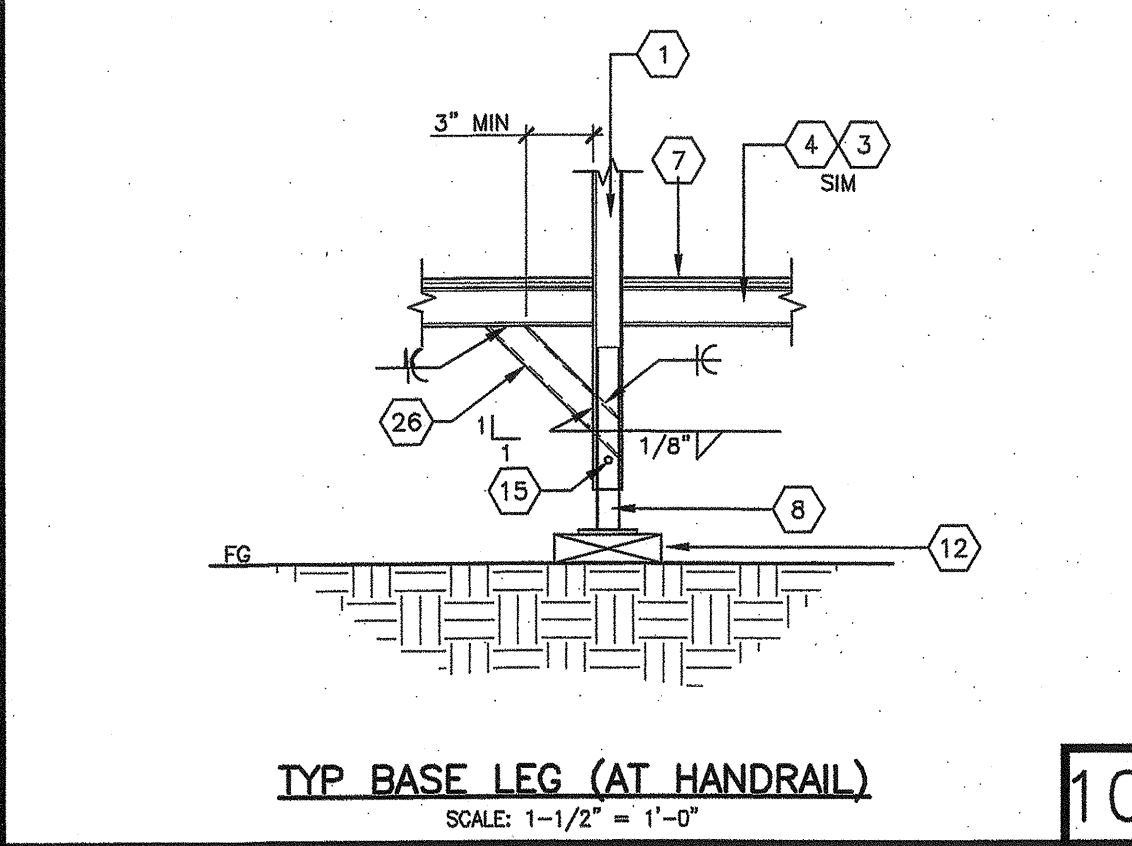
PERIMETER & CROSS TUBE CONNECTION  
SCALE: 3" = 1'-0"



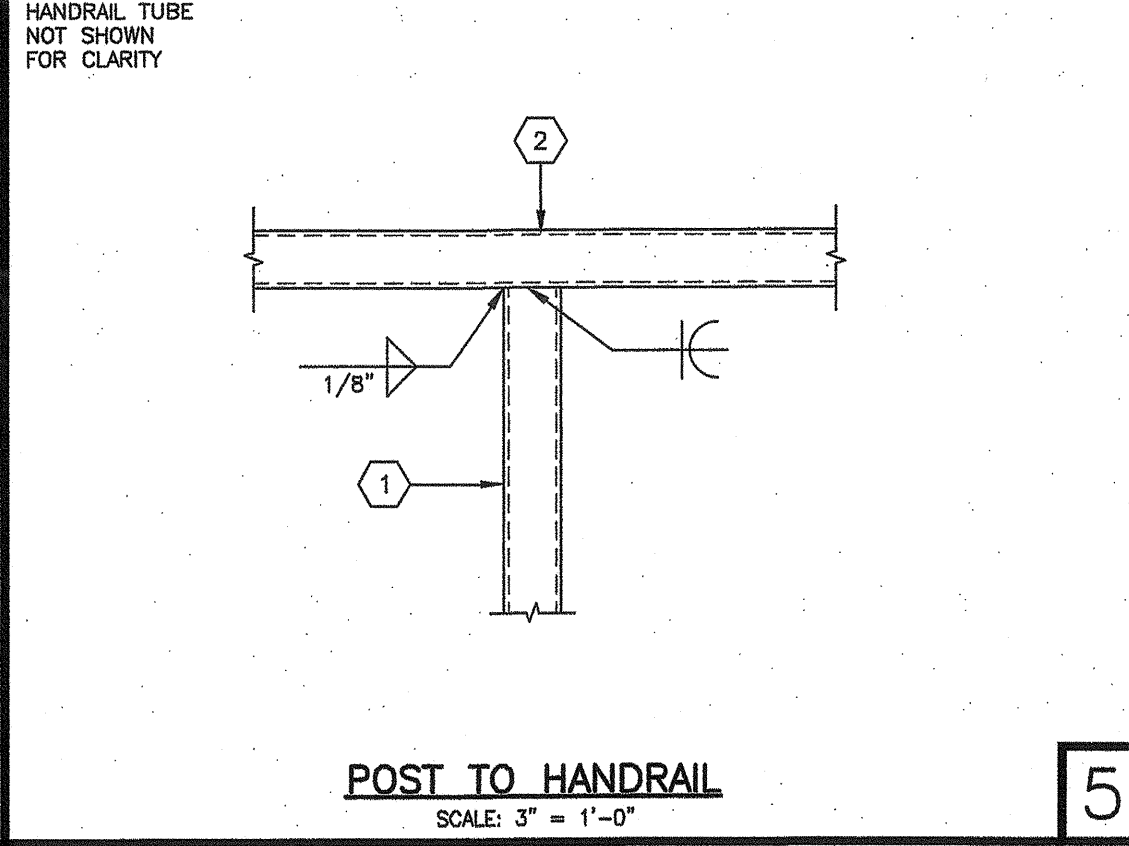
HANDRAIL RETURN TO BUILDING  
SCALE: 1 1/2" = 1'-0"



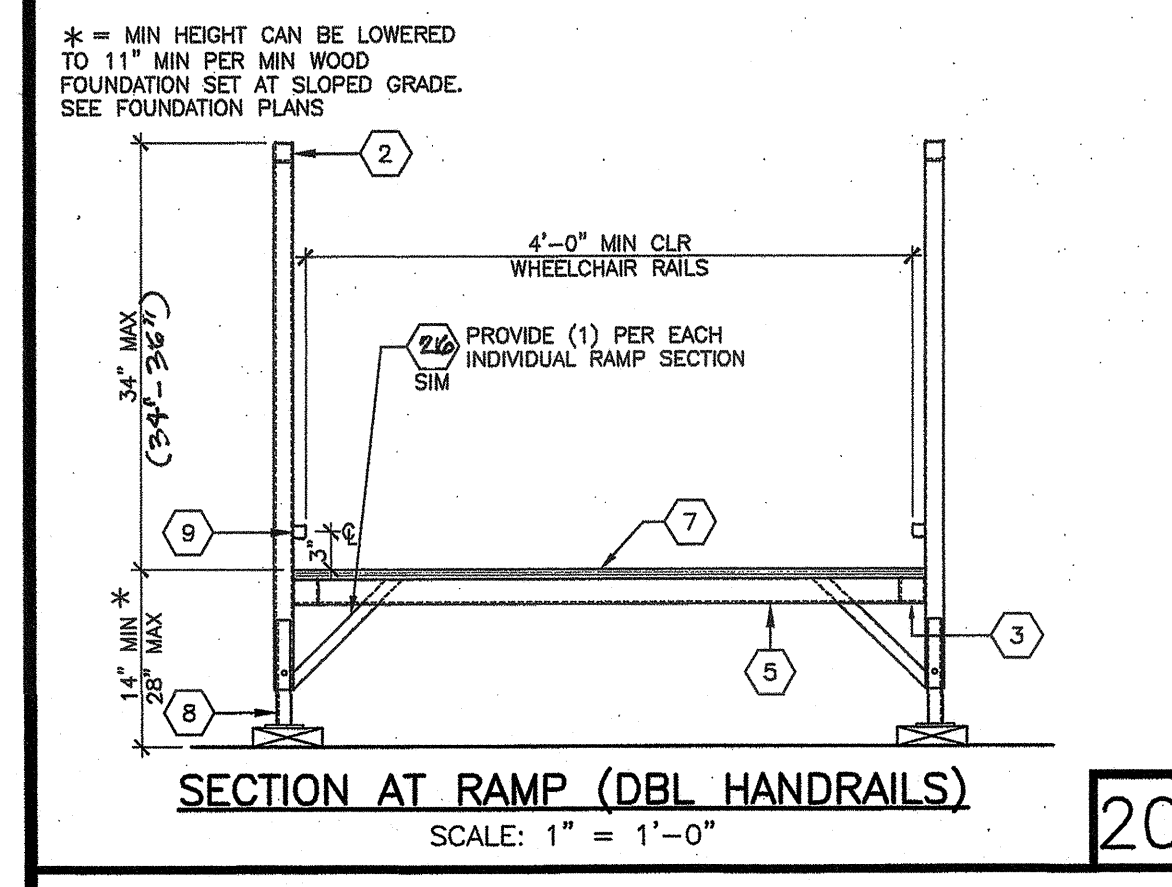
LANDING TO LANDING  
SCALE: 6" = 1'-0"



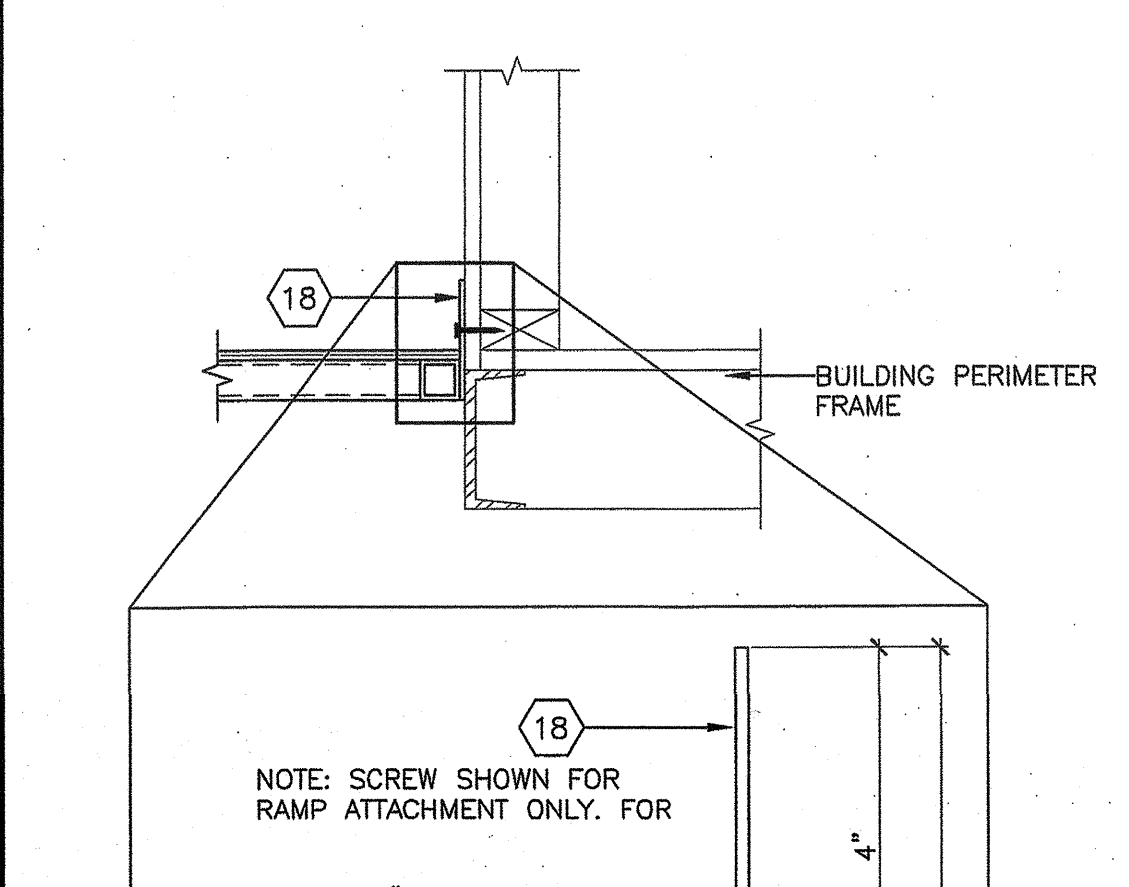
TYP BASE LEG (AT HANDRAIL)  
SCALE: 1-1/2" = 1'-0"



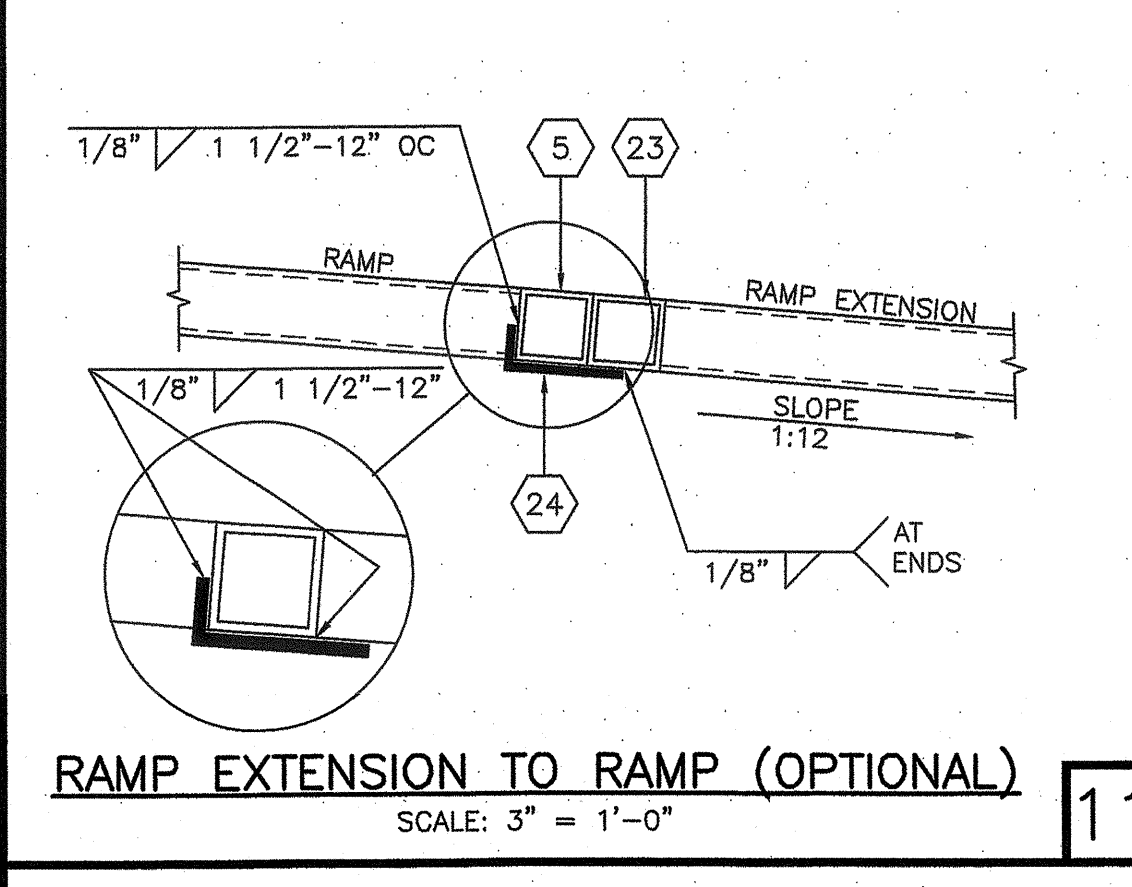
POST TO HANDRAIL  
SCALE: 3" = 1'-0"



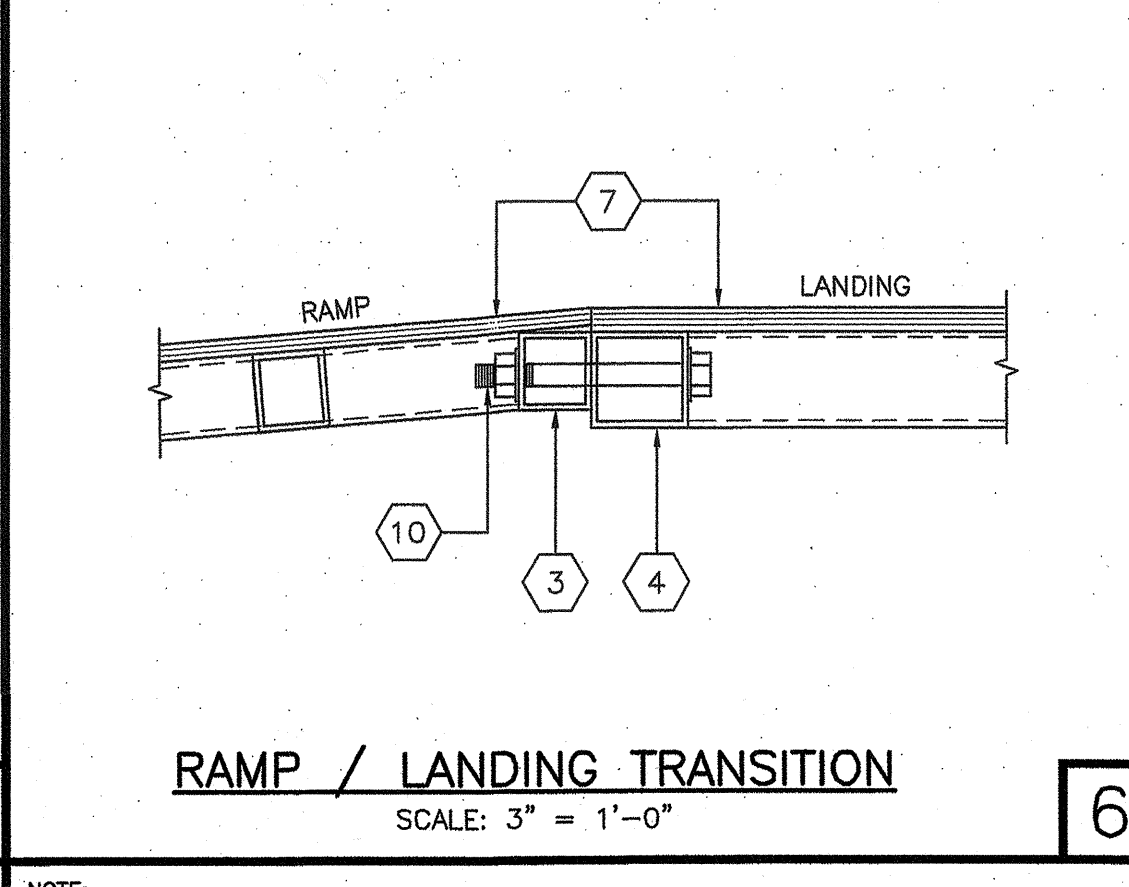
SECTION AT RAMP (DBL HANDRAILS)  
SCALE: 1" = 1'-0"



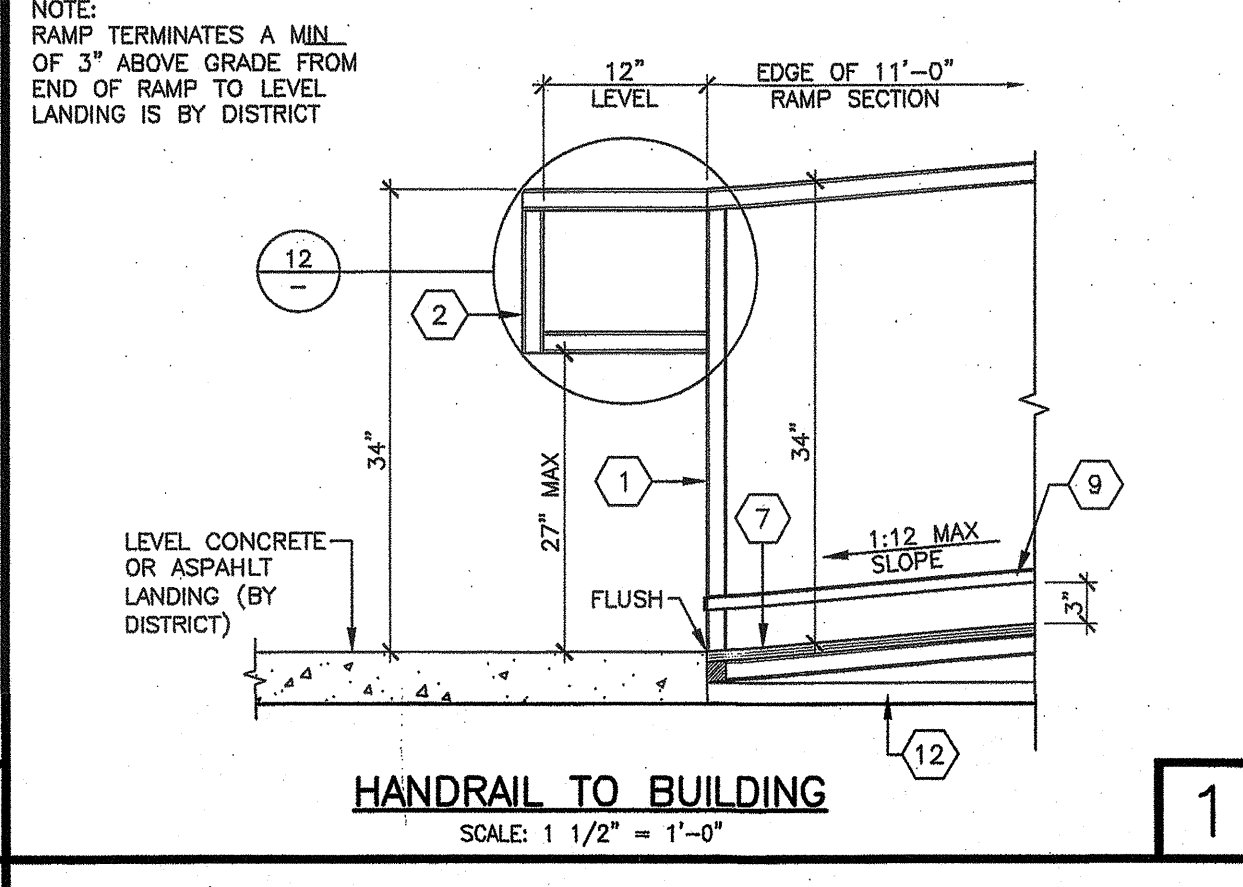
RAMP AT BUILDING  
SCALE: 1/4" = 1'-0"



RAMP EXTENSION TO RAMP (OPTIONAL)  
SCALE: 3" = 1'-0"

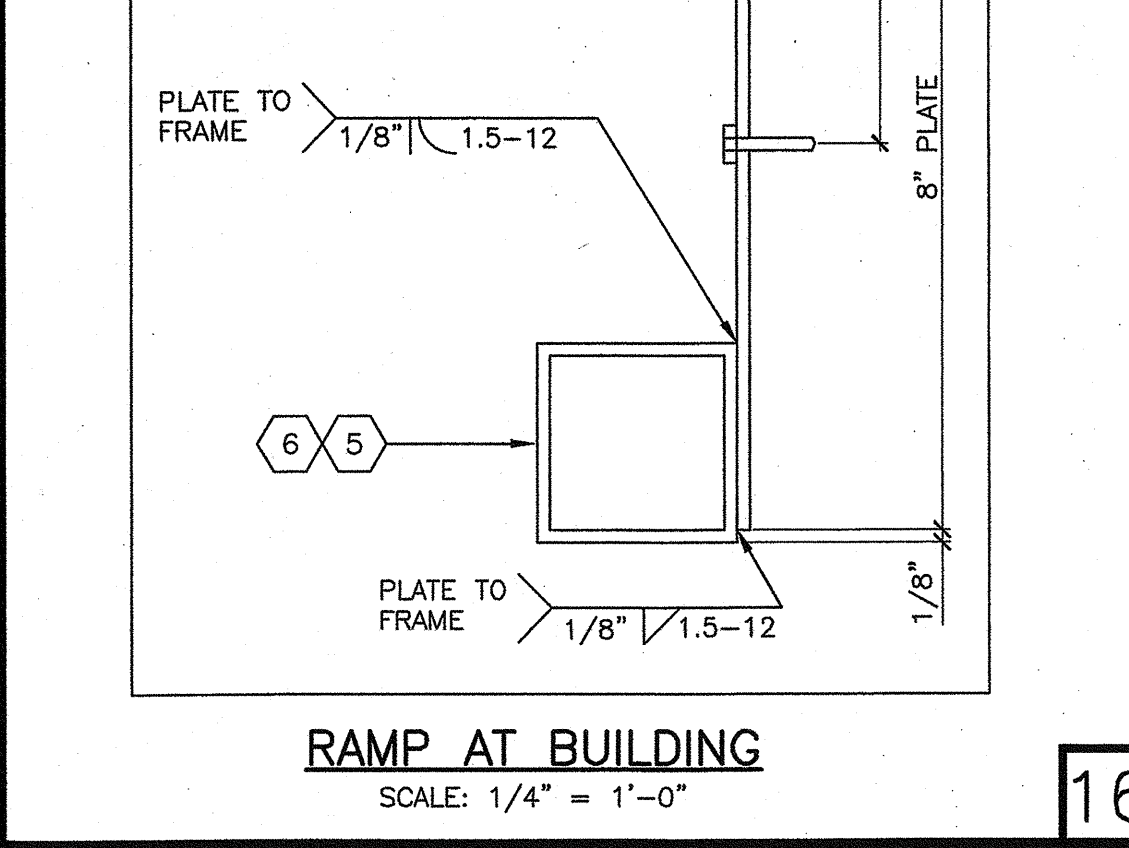


RAMP / LANDING TRANSITION  
SCALE: 3" = 1'-0"

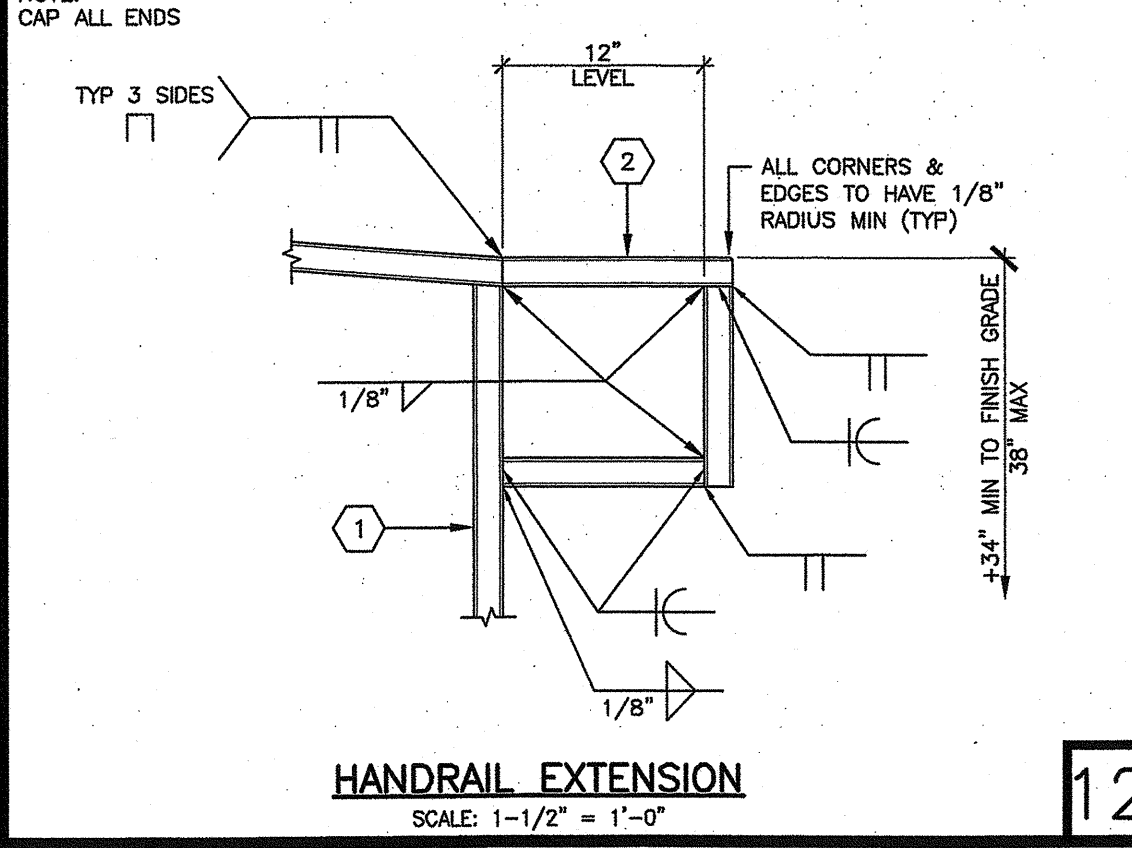


HANDRAIL TO BUILDING  
SCALE: 1 1/2" = 1'-0"

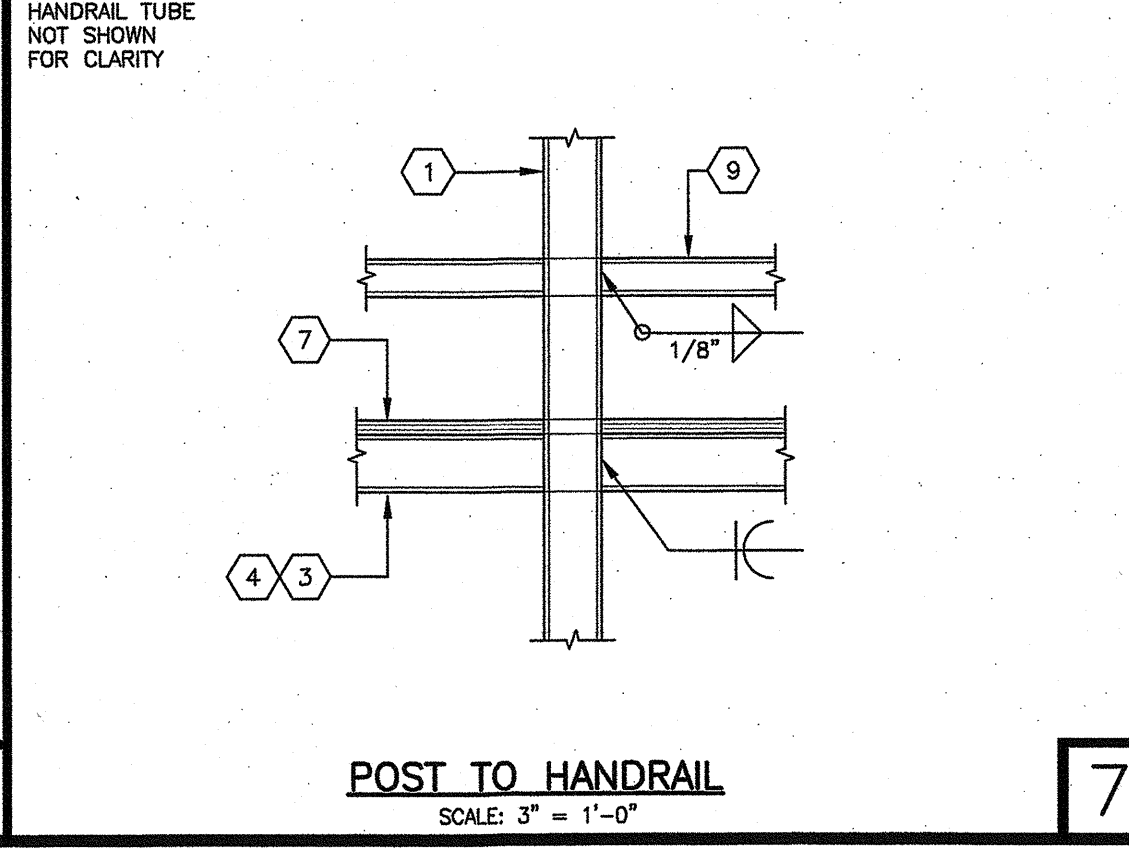
- GENERAL NOTES**
- RAMP: RAMP SHALL NOT SLOPE MORE THAN 1" PER 12" MAX
  - HANDRAILS: 11B-505.10.1, RAMP HANDRAILS SHALL EXTEND HORIZONTALLY ABOVE THE LANDING FOR 12" MIN BEYOND THE TOP AND BOTTOM OF RAMP RUNS. EXTENSIONS SHALL RETURN TO A WALL, GUARD, OR THE LANDING SURFACE, OR SHALL BE CONTINUOUS TO THE HANDRAIL OF AN ADJACENT RAMP RUN. 11B-505.8 HANDRAIL GRIPPING SURFACES AND ANY SURFACES ADJACENT TO THEM SHALL BE FREE OF SHARP OR ABRASIVE ELEMENTS AND SHALL HAVE ROUNDED EDGES. IF STUCCO OPTION IS USED IT MUST BE SMOOTH BEHIND HAND RAIL PER 11B-505.5
  - RAMP/LANDING SURFACES: 0.6 FRICTION FOR LANDING AND 0.8 FOR RAMP PER SECTION 1124B.1 AND ADAG SECTION 4.5.1
  - SITE CONDITION: DUE TO VARIES SITE CONDITIONS, THE MAXIMUM HEIGHT OF FINISH FLOOR FROM GRADE IS 26". THEREFORE IT IS POSSIBLE THAT THE ACCESS RAMP ATTACHED TO THE COMMON LANDING COULD BE 26'-0" AT A SLOPE OF 1:12. THE ARCHITECT MUST TAKE INTO ACCOUNT THAT THE RAMP SUPPLIED BY ICS IS 1'-0" AT A SLOPE OF 1:12 THE ARCHITECT WILL HAVE TO DESIGN AND PROVIDE SUFFICIENT DETAILS OF RAMP EXTENSIONS AND BOTTOM LANDING DEPENDING ON PARTICULAR SITE CONDITIONS ICS WILL NOT BE RESPONSIBLE FOR ANY RAMP EXTENSION EXCEEDING ORIGINAL PLAN AS SHOWN ON PLANS
  - ALL TUBE STEEL TO BE OF ASTM A500 GRADE B STEEL (fy = 46 KSI)
  - SEE SHEET A0.1 FOR SPECIFICATION



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



POST TO HANDRAIL  
SCALE: 3" = 1'-0"



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

PROJECT SPECIFIC STATE APPROVAL

**GLOBAL MODULAR**  
INCORPORATED

**AURORA MODTECH**  
DESIGN

CONTRACTORS LICENSE #637357

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PROJECT NAME:

SHEET TITLE:

**RAMP AND LANDING DETAILS**

MFR. STRUCTURAL ENGINEER OF RECORD ON PC

DATE SIGNED: DEC 11 2018

MFR. PROJECT SPECIFIC PROFESSIONAL OF RECORD

REGISTERED PROFESSIONAL ENGINEER  
No. 3008  
STATE OF CALIFORNIA

ARCHITECT OF RECORD

**HAROLD L. HART**  
C-38002  
06-30-2021  
RENEWAL DATE

PRE-CHECK (PC) DOCUMENT  
CODE 0116 ORC  
A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRED

IDENTIFICATION STAMP  
DIV. OF THE STATE ARCHITECT  
PC 02-116677  
DATE: DEC 7 4 2018

REVISIONS

PROJECT NO.: 00-0000

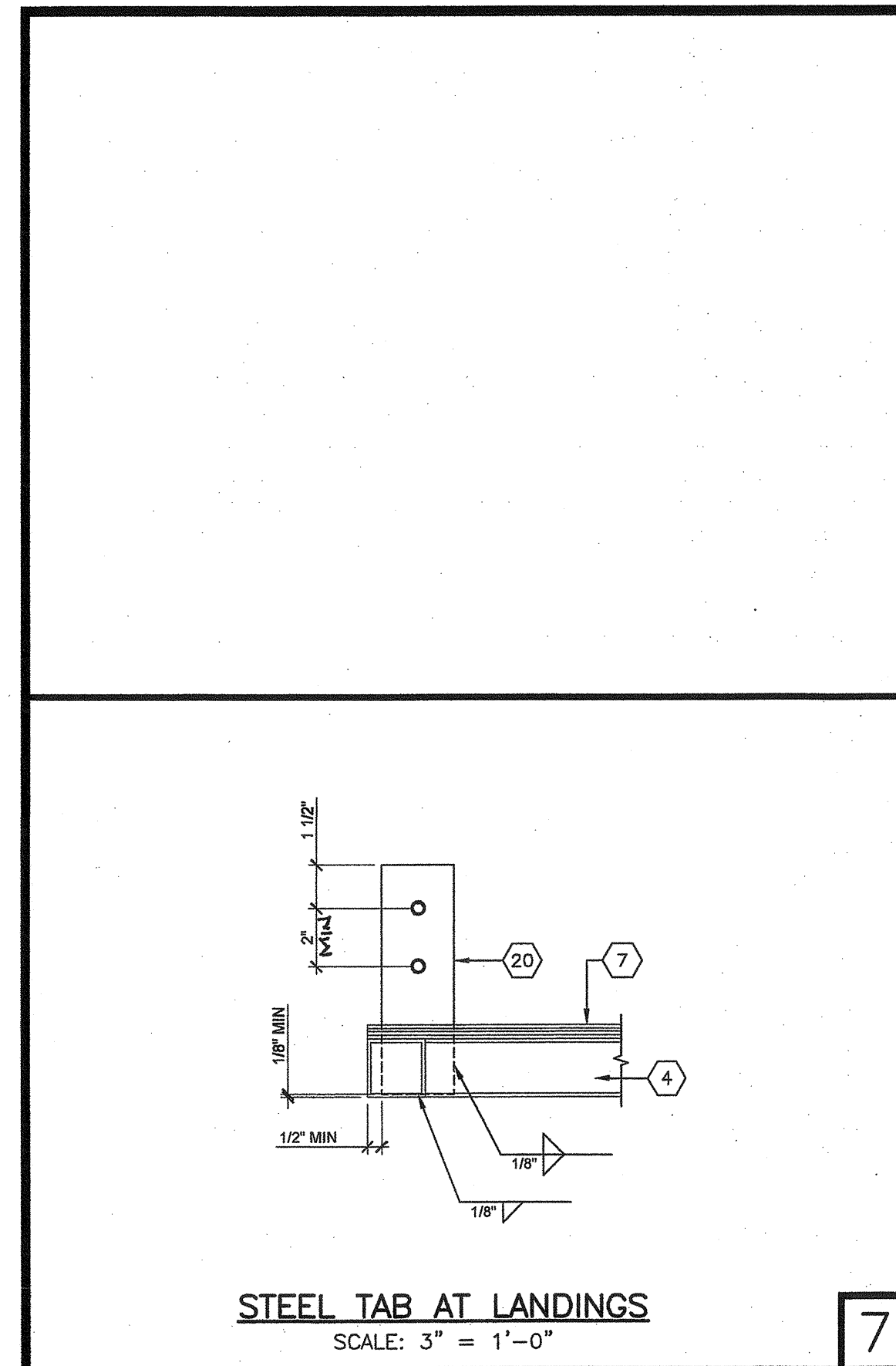
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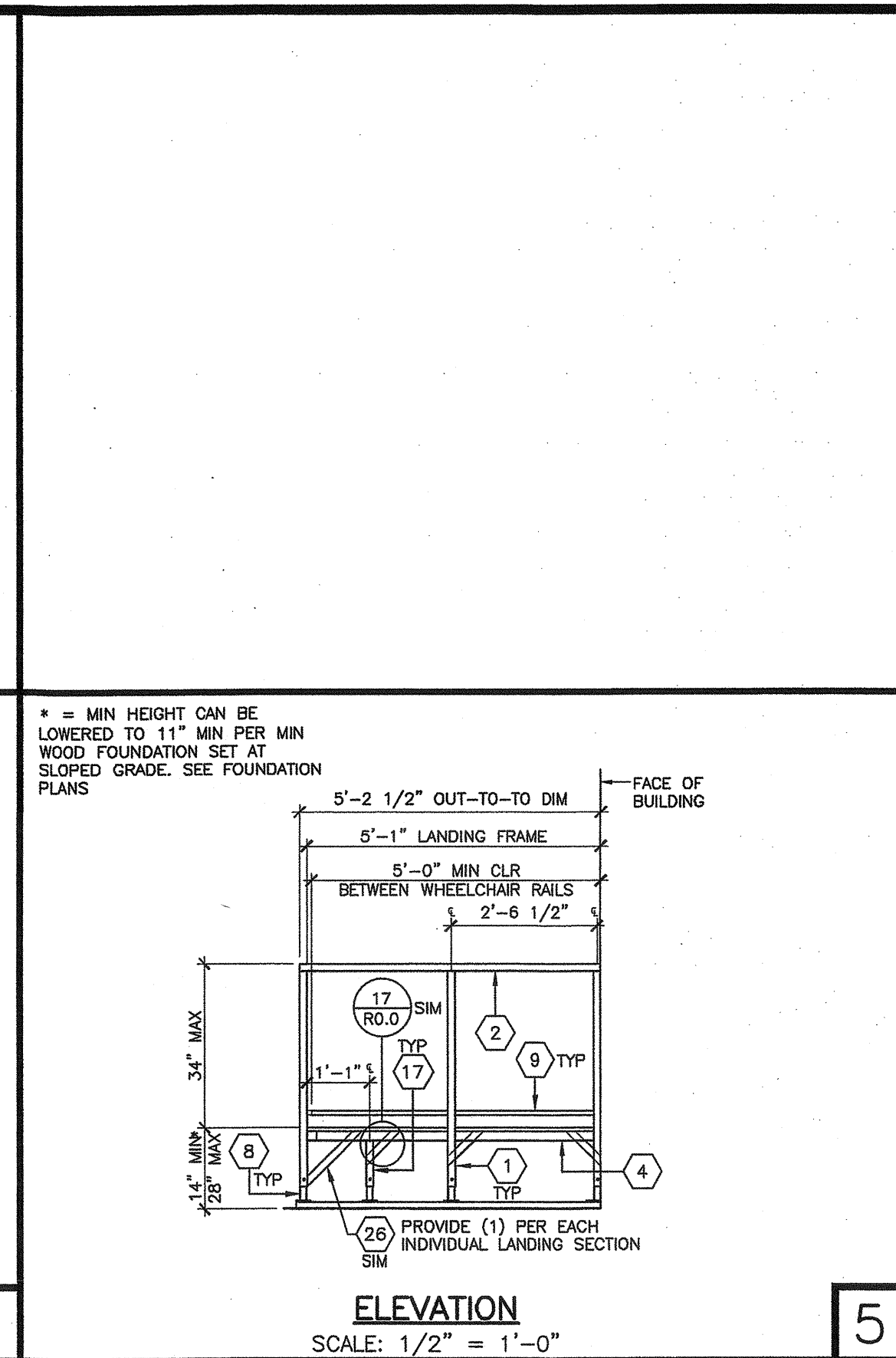
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SHEET NUMBER

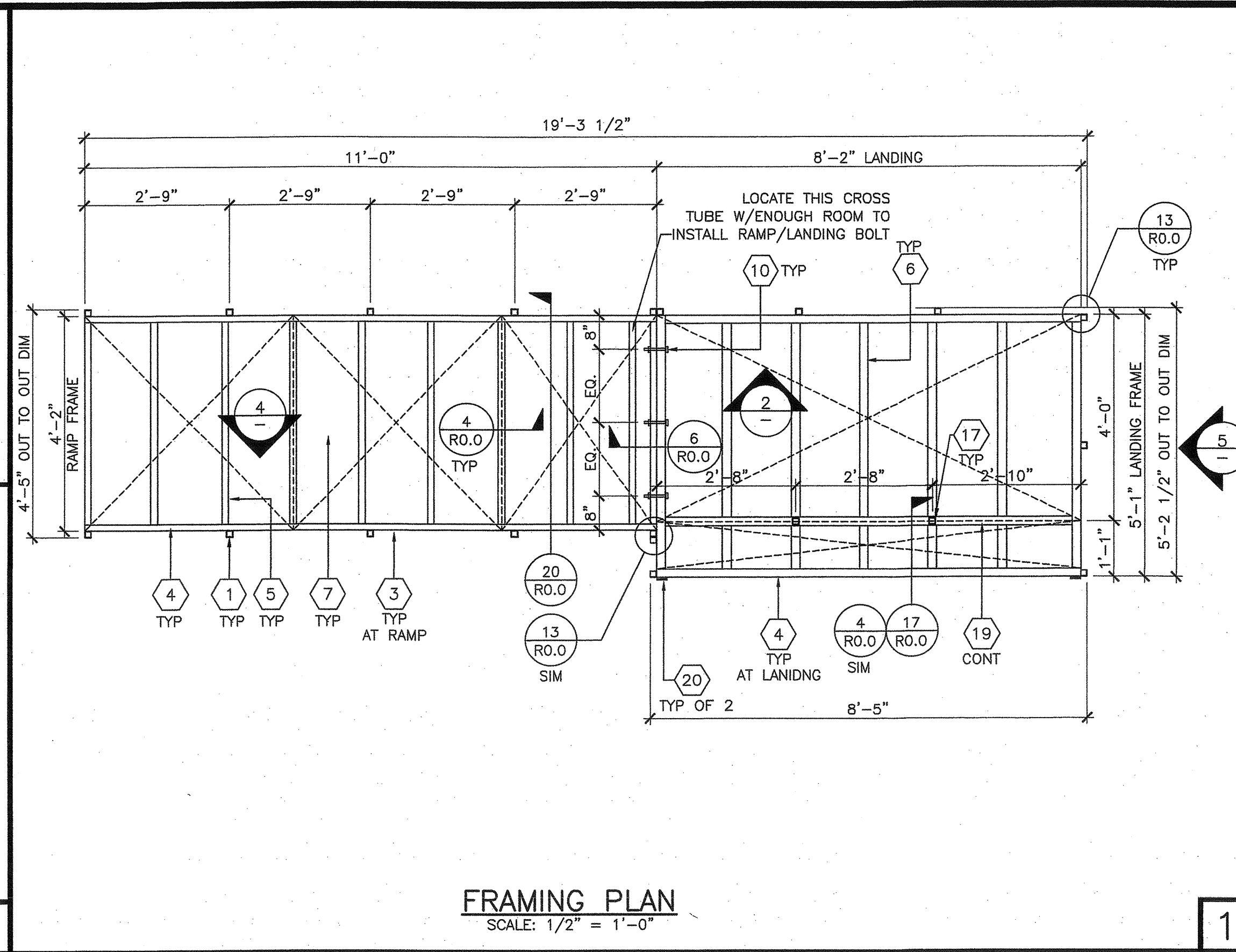
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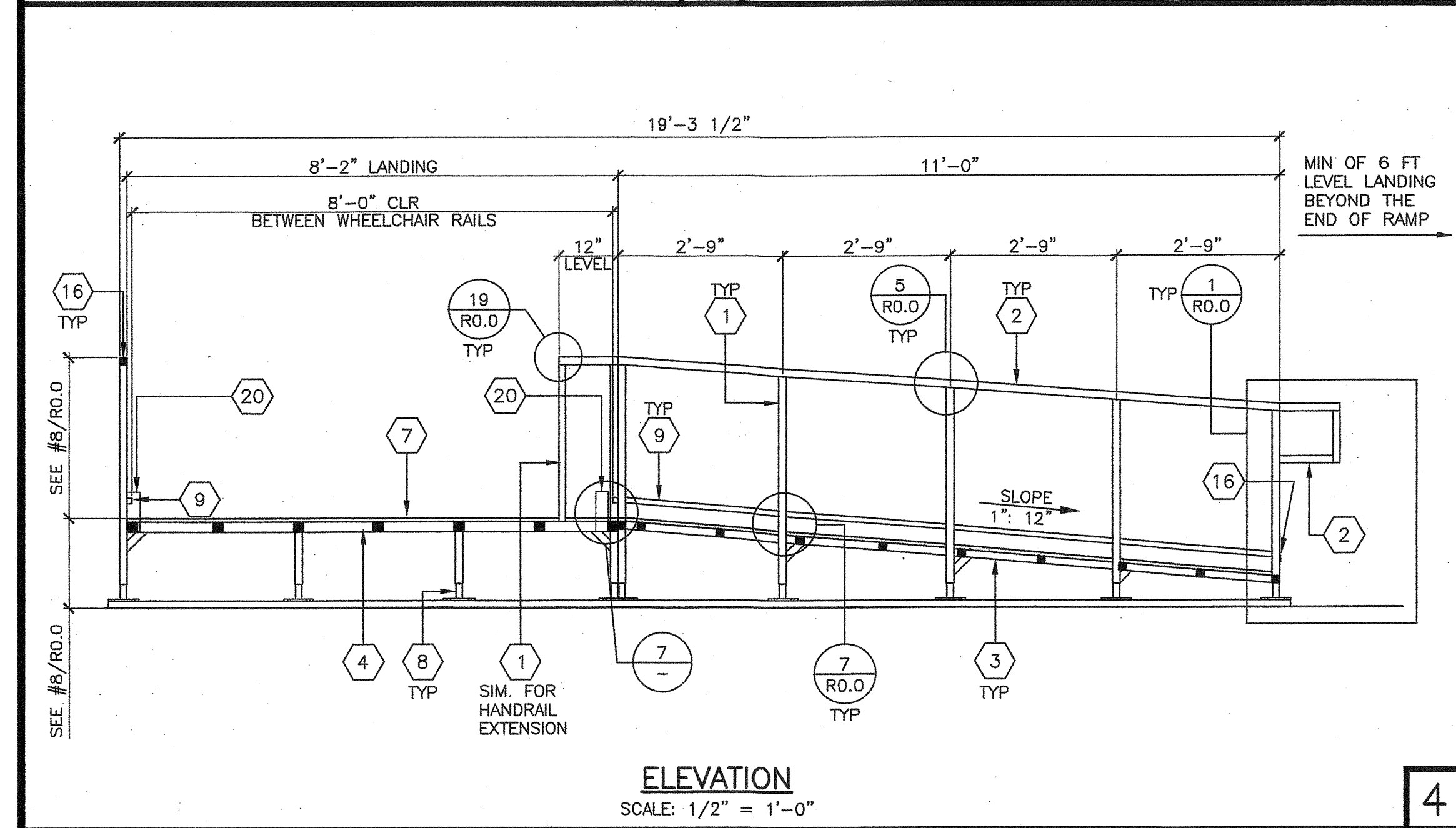
**STEEL TAB AT LANDINGS**  
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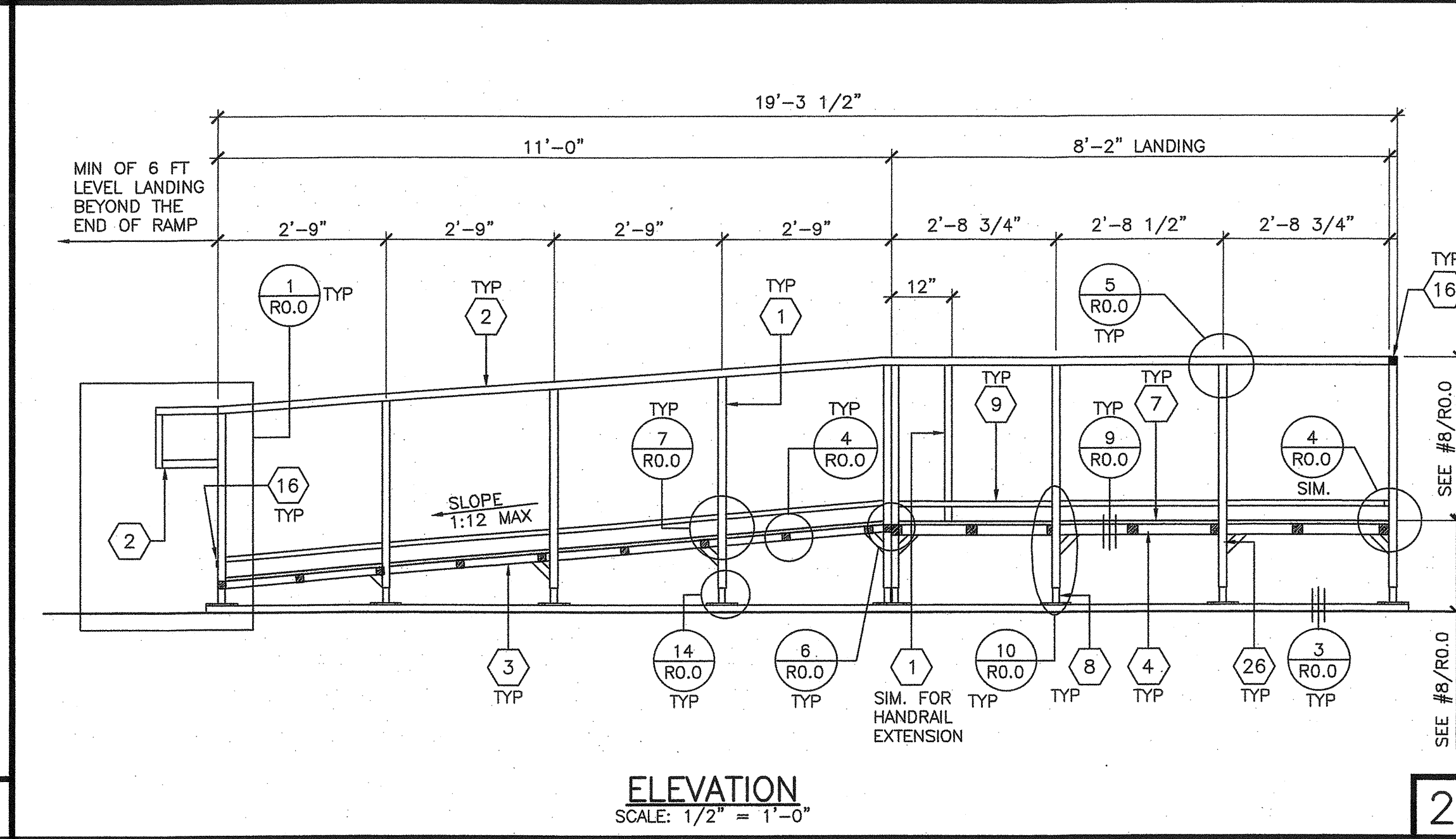
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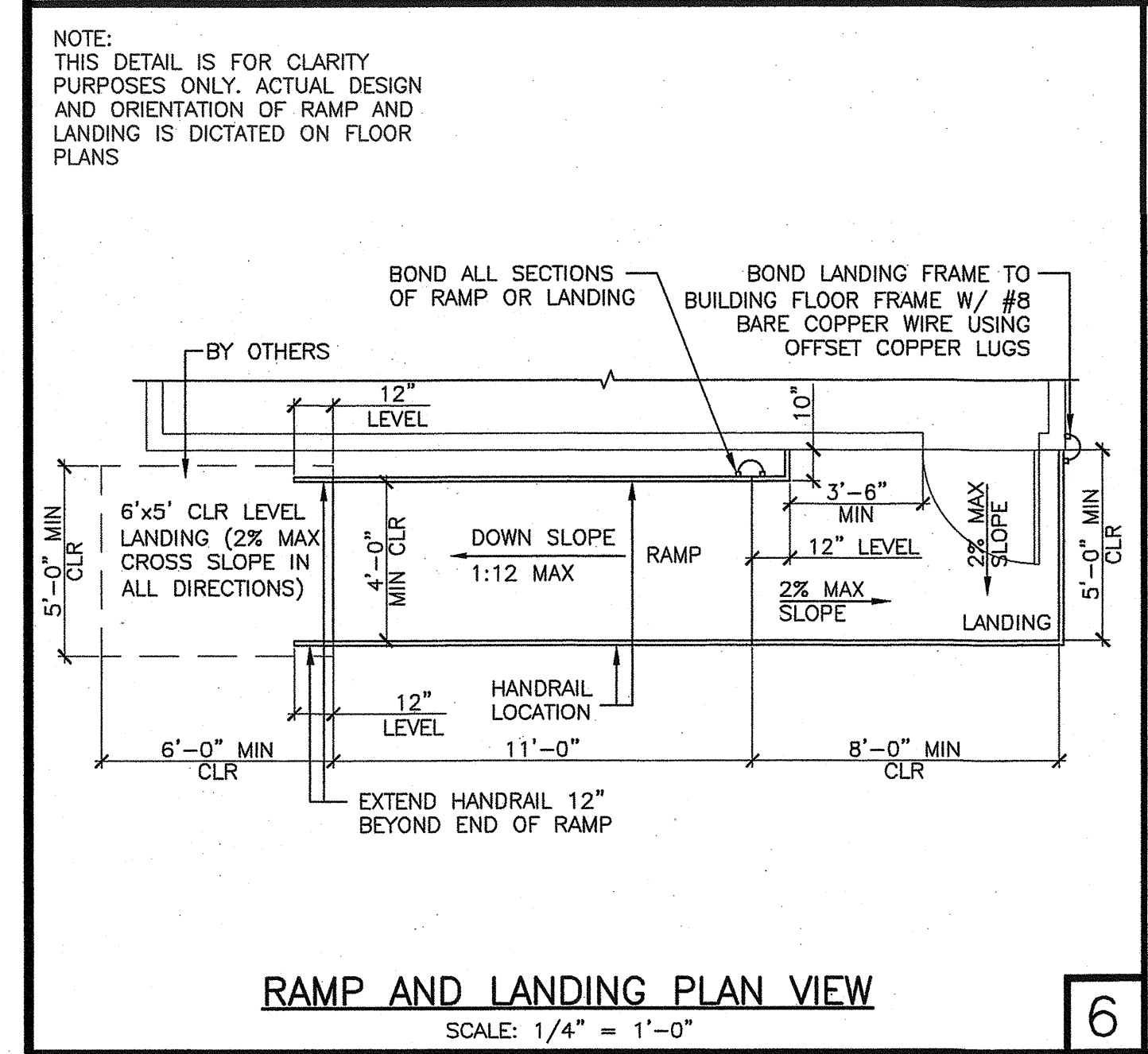
**FRAMING PLAN**  
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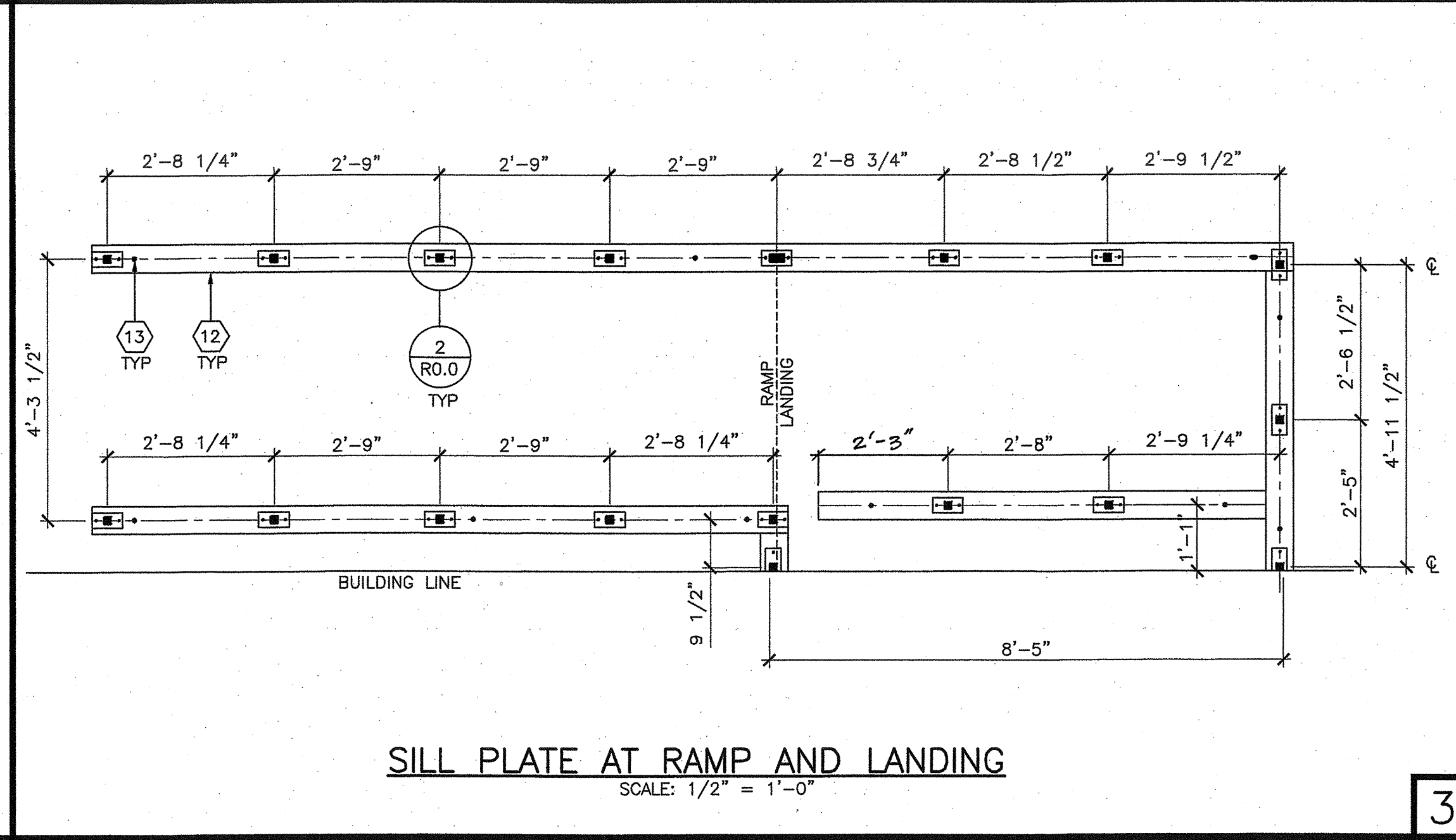
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SCALE: 1/2\"/>



**ELEVATION**  
SCALE: 1/2\"/>



**RAMP AND LANDING PLAN VIEW**  
SCALE: 1/4\"/>



**SILL PLATE AT RAMP AND LANDING**  
SCALE: 1/2\"/>

**KEY NOTES**  
REFER TO SHEET R0.0 FOR ALL KEYNOTE REFERENCES AND GENERAL NOTES

**GENERAL RAMP/LANDING/STAIR NOTE**  
IF SPECIAL INSPECTIONS FOR STRUCTURAL WELDING FOR THE RAMP IS EXEMPTED BY THE DESIGN PROFESSIONAL ON THE FORM DSA 103, THE FOLLOWING CRITERIA SHALL BE MET:  
THE DESIGN PROFESSIONAL HAS EXEMPTED THIS RAMP FROM SPECIAL INSPECTION REQUIREMENTS FOR MATERIAL IDENTIFICATION AND STRUCTURAL WELDING. RAMP SHALL NOT BE MODIFIED OR HAVE SHIMS ADDED CAUSING THE DISTANCE BETWEEN THE HIGHEST RAMP WALKING SURFACE AND THE ADJACENT GRADE TO BE MORE THAN 30 INCHES. IF THIS CONDITION IS NOT MET, THE STRUCTURAL TESTING AND/OR INSPECTION WILL BE REQUIRED TO VERIFY MATERIALS AND STRUCTURAL WELDING. THIS APPLIES TO SCOPES OF WORK INCLUDING NEW CONSTRUCTION, ALTERATION, OR RELOCATION OF THE RAMP.

PROJECT SPECIFIC STATE AGENCY APPROVAL

**GLOBAL MODULAR**  
INCORPORATED

**AURORA MODTECH**  
DESIGNS

CONTRACTORS LICENSE #837357

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PROJECT NAME:

SHEET TITLE:  
**RAMP AND LANDING PLAN (FREESTANDING HANDRAILS)**

MFR. STRUCTURAL ENGINEER OF RECORD ON PC

DATE SIGNED:  
DEC 11 2018

MFR. PROJECT SPECIFIC PROFESSIONAL OF RECORD

ARCHITECT OF RECORD

**LICENSED ARCHITECT**  
HAROLD L. HART  
C-38002  
RENEWAL DATE: 06-30-2021

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

IDENTIFICATION STAMP  
DIV. OF THE STATE ARCHITECT  
PC 02-116677  
DATE: DEC 14 2018

REVISIONS

PROJECT NO.: 00-0000  
DRAWN BY: 00  
SCALE: AS NOTED  
DATE: 00-00-00  
SHEET NUMBER

**R2.0**

APPROVED: 120280  
AC: FLS  
DATE: 03/03/2018