

4/12/2021 10:40:21 AM  
C:\Users\andrew\Documents\1725.2 Addams ES Interim Housing  
V18\_andrew@dardenarchitects.com.rvt

## GENERAL INFORMATION

G000 COVER SHEET  
G001 REGULATORY COMPLIANCE SITE PLAN  
G002 REGULATORY COMPLIANCE FLOOR PLANS

## CIVIL

SD/X101 DETAILS  
SD/C101 TOPOGRAPHICAL SURVEY  
SD/C201 DEMOLITION PLAN  
SD/C301 SITE PLAN  
SD/C401 HORIZONTAL CONTROL PLAN  
SD/C501 GRADING AND DRAINAGE PLAN  
SD/C601 UTILITY PLAN

## ARCHITECTURAL

### SITE DEVELOPMENT

SD/A100 OVERALL DEMOLITION SITE PLAN  
SD/A101 OVERALL SITE PLAN

### TYPICAL INFORMATION

X/A301 MODULAR CASEWORK SCHEDULE AND DETAILS

### PORTABLES

P/A100 FLOOR PLAN, TYPICAL INTERIOR ELEVATIONS, SIGNANCE  
SCHEDULE AND DETAILS

## PLUMBING

### TYPICAL INFORMATION

X/P101 DETAILS AND SCHEDULES

### PORTABLES

P/P101 PLUMBING PLAN

## ELECTRICAL

### SITE DEVELOPMENT

SD/E101 DEMOLITION SITE ELECTRICAL PLAN  
SD/E102 DEMOLITION SITE LOW VOLTAGE PLAN  
SD/E201 SITE ELECTRICAL PLAN  
SD/E202 SITE LOW VOLTAGE PLAN

### TYPICAL INFORMATION

X/E101 ELECTRICAL SYSTEMS- SYMBOLS, NOTES, AND DETAILS  
X/E102 ELECTRICAL SYSTEMS- DETAILS  
X/E103 POWER SYSTEMS- SINGLE LINE DIAGRAM  
X/E104 ELECTRICAL SYSTEMS- LOW VOLTAGE SYSTEMS SINGLE LINE DIAGRAM  
X/E201 FIRE ALARM SYSTEM- SYMBOLS, NOTES AND DETAILS  
X/E202 FIRE ALARM SYSTEM- SINGLE LINE DIAGRAM

### PORTABLES

P/E101 ELECTRICAL PLAN AND TYPICAL MODULAR BUILDING ELECTRICAL PLAN  
P/E102 FIRE ALARM PLAN

## AMERICAN MODULAR REFERENCE DRAWINGS - DSA # 02-117120

### 24' X 40' CLASSROOMS

TS Title Sheet  
D1 DSA 103 Form  
N1.0 General Notes & Specifications  
N2.0 General Notes & Specifications  
N3.0 Typical Schedules Doors, Windows & Finishes  
N4.0 Accessibility Standards and Details  
N5.0 Multiple Floor Plan Configurations  
EN.1 Energy Calculations  
EN.2 Energy Calculations  
EN.3 Energy Calculations  
EN.4 Energy Calculations  
EN.5 Energy Calculations  
EN.6 Energy Calculations  
EN.7 Energy Calculations  
EN.8 Energy Calculations  
EN.9 Energy Calculations  
A1.0 Typical Floor Plan  
A2.0 Typical Roof Plan Metal Standing Seam (Without Parapets)  
A2.2 Typical Roof Details Metal Standing Seam  
A4.0 Interior Elevations Typical Classroom  
S4.2 Roof Framing Details  
A5.0 Typical Exterior Elevations- Dura Temp 303 Siding Option  
A5.1 Typ. Architectural Details Duratemp 303 Siding Options  
A7.1 Miscellaneous Architectural Details  
S0.0 Steel Member Properties  
S2.1 Wood Foundation Plan 5- PSF Live Load + 15 PSF Partition Load Plywood Floor  
S2.4 Wood Foundation Details  
S3.0 Floor Framing Plan & Details for Plywood Floor  
S4.0 Roof Framing Plan & Details Open Soffit Options  
S4.2 Roof Framing Details  
S5.0 Moment Frame Elevations & Details  
SS.1 Moment Frame Connection Details  
S8.0 Typical Longitudinal and Transverse Frame Sections  
S8.0 Wall Framing Elevations & Schedules- Wood Studs  
S8.1 Wall Framing Details- Wood Studs  
S10.0 Typical Ramp Plans & Notes  
S10.1 Ramp Details  
M1.0 Typical Reflected Ceiling Plan  
M1.1 Typical Mechanical Plan Options  
M1.4 Mechanical and Ceiling Details  
M1.5 Mechanical & Ceiling Details  
M1.7 Ceiling & Mechanical Notes & Schedules  
E1.0 Typical Electrical Plan  
E1.2 Electrical Notes & Details

Sheet Count: 71



December 10, 2020

Dan Levernier  
Division of the State Architect  
1102 Q Street, Suite 5200  
Sacramento CA 95811

RE: Fresno Unified School District  
Addams Elementary School  
Temporary Approval for School use of DSA Approved Relocatable Buildings  
DSA Application No. 02-118888  
Project Tracking No.

Dear Mr. Levernier:

Per DSA IR A-1.16 requirements this letter is to notify you the buildings referenced above are for temporary use. The use will be limited for a period of three (3) years from the date of installation.

Please feel free to contact me to discuss this further if needed, (559) 457-6126.

Sincerely,

Alex Belanger, Assistant Superintendent  
Facilities Management & Planning

2309 Tulare Street

Fresno, CA 93721-2287

[www.fresnounified.org](http://www.fresnounified.org)

## Statement of General Conformance

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

(Application No. 02-118888 File No. 10-48)

- ☒ The drawings or sheets listed on the cover or index sheet  
☐ This drawing, page of specifications/calculations

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

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

The Statement of General Conformance "shall not be construed as relieving me of my rights, duties, and  
responsibilities under Sections 17302 and 81136 of the Education Code, and Sections  
4-336, 4-341 and 4-342 of Title 24, Part 1 (Title 24, Part 1, Section 4-317 (b)).

I find that:

- ☒ All drawings or sheets listed on the cover or index sheet  
☐ This Drawing or Page

- ☒ is/are in general conformance with the project design, and  
☐ is/are in general conformance with the project design intent, and  
☒ has/have been coordinated with the project plans and  
Specifications  
☐ has/have been coordinated with the project plans and specifications

Signature

Date

04/12/2021

Architect or Engineer designated to be in  
general responsible charge

Tony J. Avila

Print Name

C26235

10/31/2021

License Number

Expiration

- ☐ is/are in general conformance with the project design intent, and  
☐ has/have been coordinated with the project plans and specifications

Signature

Date

Architect or Engineer designated to be in  
general responsible charge

Print Name

License Number

Expiration

### Design Criteria:

#### Flood Zone

Zone X, per FEMA Flood Zone Map Number 06019C1565H

#### Wind Loading Criteria:

Basic Wind Speed: 95 mph

Exposure Category C

Velocity Pressure Exposure Coeff., Kz = 0.85

Topographic Factor, Kzt = 1.00

Wind Directionality Factor, Kd = 0.85

Ground Elevation Factor, Ke = 1.00

Enclosure Classification: Enclosed

### Risk Category: Type II

#### Seismic loading criteria

Seismic importance factor: 1.00

Mapped spectral acceleration, mce:

A. Ss 0.614

B. S1 0.235

Spectral response coefficient:

A. Fa 1.309

B. Fv 2.130

Maximum considered earthquake response accelerations:

A. Sm 0.804

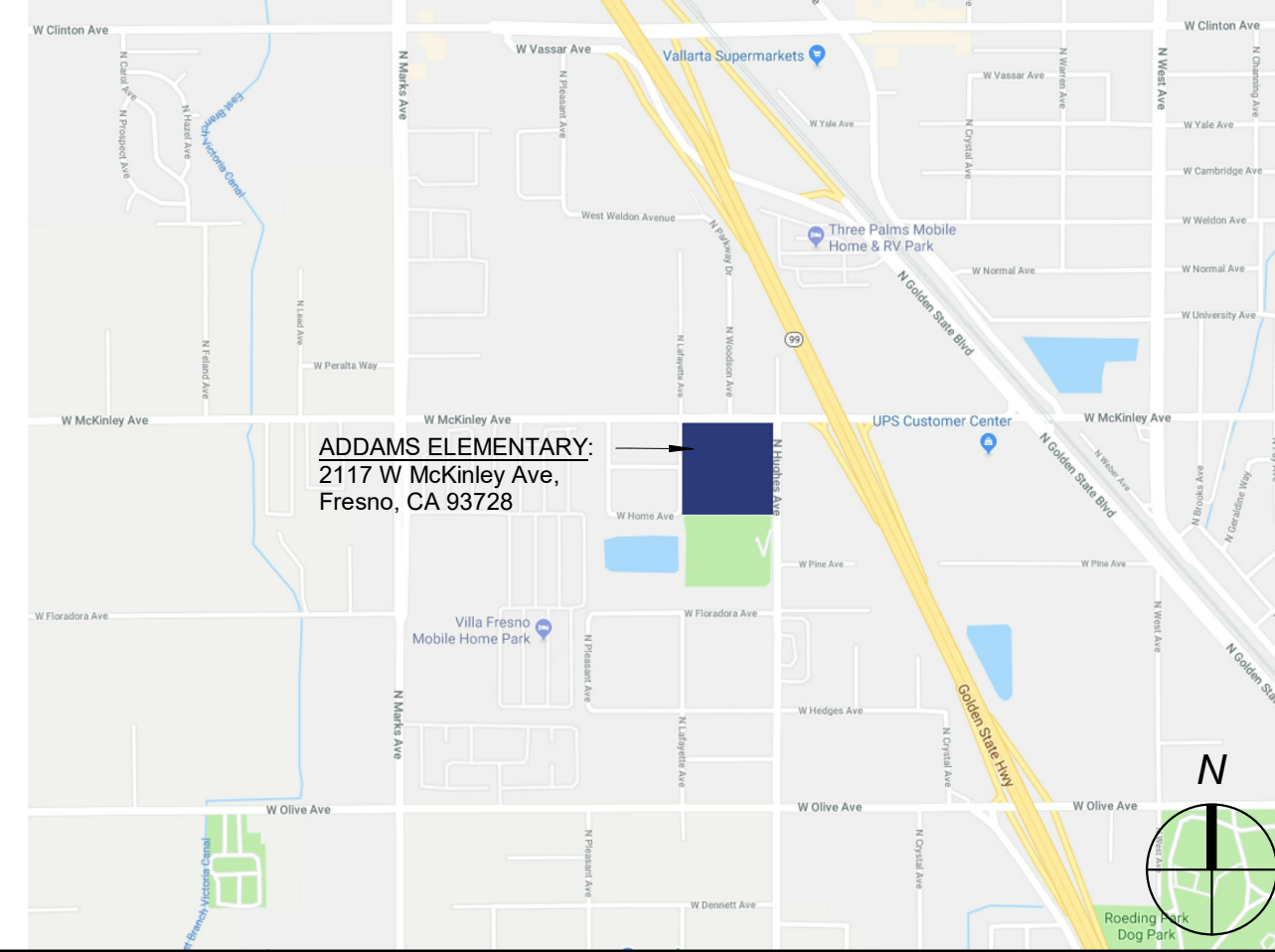
B. Sm1 0.501

Design spectral response accelerations:

A. Sds 0.636

B. Sd1 0.334

Seismic category d



N14

Vicinity Map

All work shall be performed in accordance with current applicable codes and standards including, but not limited to, the following:

California Code of Regulations (CCR)  
CCR-15: Title 5-Education  
CCR-18: Title 8-Industrial Safety  
CCR-119: Title 19-Public Safety  
CCR-Title 24:

#### Building Codes and Standards:

2019 California Building Standards Administrative Code (Part 1, Title 24, CCR)

2019 California Building Code, Volumes 1 and 2 (Part 2, Title 24, CCR)

2019 California Electrical Code (Part 3, Title 24, CCR)

2019 California Mechanical Code (Part 4, Title 24, CCR)

2019 California Plumbing Code (Part 5, Title 24, CCR)

2019 California Energy Code (Part 6, Title 24, CCR)

2019 California Elevator Safety Construction Code (Part 7, Title 24, CCR)

2019 California Fire Code, Part 9, Title 24, CCR)

2019 California Referenced Standards Code (Part 12, Title 24, CCR)

2019 California Green Building Standards Code

NFPA 13, 2016 Edition, The Installation of Automatic Sprinkler Systems

NFPA 14, 2016 Edition, Installation of Standpipe

NFPA 24, 2016 Edition, Installation of Private Fire Service Mains and their Appurtenances

NFPA 72, 2016 Edition, National Fire Alarm Code

Division of the State Architect (DSA)

SSS: Structural Safety Section

ACS: Access Compliance Section

FLS: Fire Life Safety

Interpretation of Regulation Manual

J14

Applicable Codes

### Notes:

- The Contractor Shall Be Responsible For The Preparation and Submittal Of The Deferred Approval  
Items To The Division Of The State Architect (DSA) For Review and Approval Prior To The  
Installation. The Submittal Shall Comply With The Requirements Of Specification Section 013300:  
Submittals.
- Installation of Deferred Approval Items shall not be started until Contractor's drawing,  
specifications, and engineering calculations for the actual system(s) to be installed have been  
reviewed by the Architect and/or the Structural Engineer, and approved by the DSA.

#### Description of Deferred Item

PG&E Transformer Anchorage and Concrete Housekeeping Pad

...

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G14

Deferred Approval

### Building:

The addition of (6) Six portable buildings to serve as the temporary housing for classroom purposes while  
construction work occurs on the campus under the previously Approved DSA Application 02-117220.

### Site:

Development of the area around the location of new portables to prepare the site to receive temporary structures,  
including a new Asphalt walk to connect to the existing campus.

### NOTE:

Refer to DSA application 02-117220 for the extent of Accessibility and Fire Life Safety upgrades site wide.

### NOTE:

Changes to the approved drawings and specifications shall be made by an addendum or a construction change document  
(CCD) approved by the Division of the State Architect, as required by section 4-338, Part 1, Title 24, CCR

A "DSA Certified" Project Inspector class 3 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.

A DSA accepted testing laboratory directly employed by the District (Owner) shall conduct all the required tests and  
inspections for the project.

The intent of these drawings and specifications is that the work of the alteration, rehabilitation or construction 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 shall be submitted to and approved by DSA before  
proceeding with the work. (Section 4-317(c), Part 1, Title 24, CCR)

Grading plans, drainage improvements, road and access requirements and environmental health considerations shall  
comply with all local ordinances.

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

Architectural

Darden Architects, Inc.  
6790 N. West Avenue  
Fresno, CA 93711  
T (559) 448-8051  
F (559) 446-1765

License Number

Expiration

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DSA File No.:  
10-48

DSA Application No.:  
02-118888

Agency Approval

ELECTRICAL

Hardin-Davidson Engineering  
1102 Q Street, Suite 5200  
Sacramento, CA 95811  
T (559) 322-4995  
F (559) 322-4928

MECHANICAL

Lawrence Engineering Group  
1102 Q Street, Suite 101  
Fresno, CA 93720  
(559) 431-0101

CIVIL

Blair, Church & Flynn  
1102 Q Street, Suite 200  
Fresno, CA 93711  
T (559) 326-1400  
F (559) 326-1500

ARCHITECTURAL

Darden Architects, Inc.  
6790 N. West Avenue  
Fresno, CA 93711  
T (559) 448-8051  
F (559) 446-1765

Project Information

ARCHITECTURE  
PLANNING  
INTERIORS  
www.dardenarchitects.com  
6790 N. West Ave. • Fresno, CA 93711 • T. 559.448.8051

Architect

No.

Revision/Submission

Date

A

Revision #1

04/12/21

Revision

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Sheet: \_\_\_\_\_ of: \_\_\_\_\_

darden architects, inc.  
ARCHITECTURE ■ PLANNING ■ INTERIORS

RV-1 AX01



2/9/2021 9:16:38 AM  
C:\Users\andrew\Documents\1725.2 Addams ES Interim Housing  
V18\_andrew@dardenarchitects.com.rvt

A1

Regulatory Compliance Site Plan

1"

30'-0"

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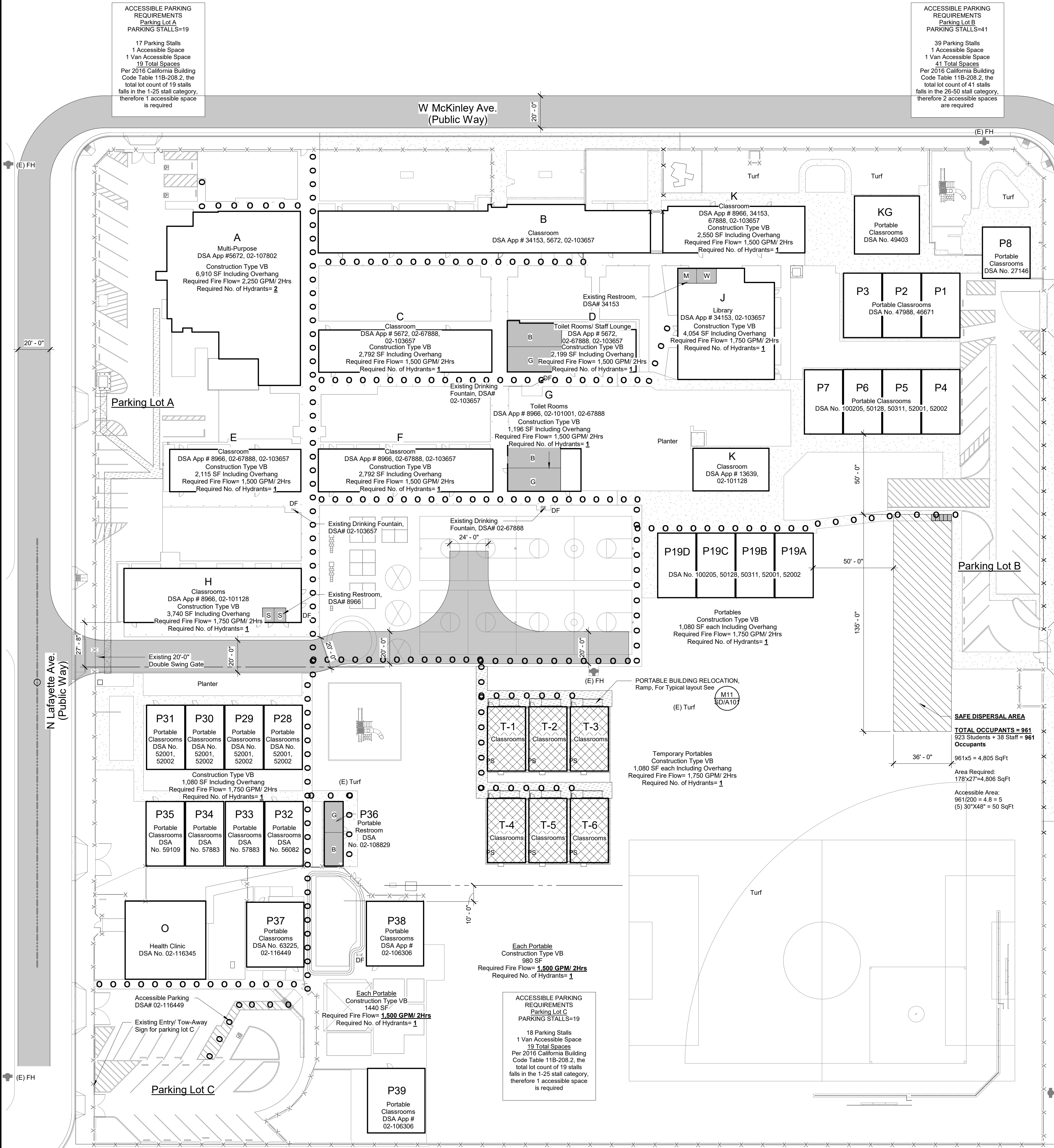
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D

C

B

A



BLDG #	OCCUPANCY CLASSIFICATION	DSA APP NUMBERS	OCCUPANCY GROUP	CONSTRUCTION TYPE	TABULAR ALLOWABLE AREA FACTOR CBC TABLE 506.2	FRONTAGE AREA INCREASE FACTOR $I_f = (F/P - 0.25) \times W/30$ CBC 506.3	TOTAL ALLOWABLE BUILDING AREA $A_t = (A_f \times NS \times I_f) \times CBC 506.2$	ACTUAL BUILDING AREA (FLOOR AREA + COVERED AREA)	APPL. CABLE BUILDING CODE	REMARKS
T-1	Classroom	--	E	Type V-B	9,500	--	--	1,080 SF (960+120)	2019	Leased Portables
T-2	Classroom	--	E	Type V-B	9,500	--	--	1,080 SF (960+120)	2019	Leased Portables
T-3	Classroom	--	E	Type V-B	9,500	--	--	1,080 SF (960+120)	2019	Leased Portables
T-4	Classroom	--	E	Type V-B	9,500	--	--	1,080 SF (960+120)	2019	Leased Portables
T-5	Classroom	--	E	Type V-B	9,500	--	--	1,080 SF (960+120)	2019	Leased Portables
T-6	Classroom	--	E	Type V-B	9,500	--	--	1,080 SF (960+120)	2019	Leased Portables

#### OCCUPANCY CLASSIFICATIONS

This BUILDING DATA table applies the 2019 California Building Code "Occupancy Classifications", "Construction Types", and "Allowable Areas", to existing buildings approved by the Division of the State Architect under previous editions of the California Building Code. "Occupancy Classifications" and the "Construction Types" are applied to existing buildings that most closely resemble the intent of the building program and construction systems. Some existing buildings may not meet the current California Building Code standard when "Occupancy Classification" and "Construction Type" are applied.

#### BUILDING AREA MODIFICATIONS

**ALLOWABLE AREA FACTOR:**  
CBC TABLE 506.2  
 $A_f$  = Tabular building area per story in accordance with CBC Table 506.2

**FRONTAGE AREA INCREASE FACTOR:**  
CBC TABLE 506.3  
 $I_f$  = Area increase factor due to frontage

$F$  = Building perimeter that fronts on a public way or open space having a width of 20 feet or more  
 $P$  = Perimeter of entire building

$W$  = Width of public way or open space in accordance with Section 506.3.2

**TOTAL ALLOWABLE BUILDING AREA:**  
CBC TABLE 506.2  
 $A_t$  = Allowable area  
 $A_t$  = Tabular building area per story in accordance with CBC Table 506.2

$NS$  = Tabular allowable area factor in accordance with Table 506.2 for a nonsprinklered building (regardless of whether the building is sprinklered)

$S_f$  = Actual number of building stories above grade plane, not to exceed 2 for Group A, E, H, I, L, and R Occupancies and not to exceed 3 for other Group Occupancies

\*Note: No individual story shall exceed the allowable area ( $A_f$ ) as determined using the value of  $S = 1$ .

**SEPARATED OCCUPANCIES:**  
CBC 508.4.2  
In each story, the building area shall be such that the sum of the ratios of the actual building area of each separated occupancy divided by the allowable building area of each separated occupancy shall not exceed 1.

Actual Building Area per story / Allowable Building Area per story  $\leq 1.0$

L12	Building Data Table
No Scale	



KERRI L. DONIS, CFO, EFO, MSOL  
FIRE CHIEF

Theodore F. Semonious, Fire Deputy Chief  
Prevention and Technical Services Division  
(559) 621-4181 • FAX (559) 498-4323  
Fresno Fire Department • 911 H Street • Fresno, CA 93721-3582

Please Reply To: Byron Beegles  
Fire Prevention Engineer  
(559) 621-4181  
byron.beegles@fresno.gov

DATE: July 5, 2018  
TO: Balk Burns, Design Engineer, Lawrence Engineering Group  
SUBJECT: Waterflow Curve for 2117 W. McKinley, Addams Middle School

The Fresno Fire Department provides prescriptive curves for fire sprinkler hydraulic calculations. The subject project's water supply is provided by:

☒ City of Fresno Water Division  
☒ Private Public Utility District  
☒ Ballman Water Company  
☒ City of Kern  
☐ Other:

For purposes of the fire sprinkler hydraulic design for this project, a curve of 45 psi static/35 psi residual/flow of 1500 gpm (prescriptive curve "A") 45 psi static/35 psi residual/flow of 1500 gpm (prescriptive curve "B") 40 psi static/25 psi residual/flow of 1500 gpm (prescriptive curve "C") Other:  
shall be utilized as the basis of design at the point of connection to the 12 inch water main located in N. Hughes for use with Curve "A" or Curve "C" if a new fire service connection is made in N. Lafayette to the 6 inch public water main.

This prescriptive curve is based on water main infrastructure in the project area, historic data on available fireflow at peak demand, adopted available fire flow with future development, and the known operating parameters of the respective water purveyors. Service will be through a single detector check in a vault at the property line. FFD does not require a 10% safety margin when utilizing prescriptive curves.

If you have further questions, please feel free to contact our office.  
Sincerely,

Theodore F. Semonious  
Deputy Fire Chief

"To protect and put service above all else."

**ADSA**

**810**

#### FIRE & LIFE SAFETY SITE CONDITIONS SUBMITTAL

Division of the State Architect (DSA) documents referenced within this publication are available on the DSA Forms or DSA Publications webpages.

To facilitate the Division of the State Architect's (DSA) fire and life safety plan review of project site conditions, DSA requires the design professional to provide the following information at time of project submittal for projects consisting of construction of a new campus, construction of new buildings, additions to existing buildings, and for site alternate design means for fire department emergency vehicle access, and fire suppression water supply. Information associated with compliance items 1 through 3 below is to be provided for all project types indicated above. Information associated with items 4 through 7 is to be completed when an alternate means is utilized. Acknowledgment by the school district and signature from the Local Fire Authority (LFA) is only required when an alternate design means is being requested.

The Project Information and Fire & Life Safety Information sections are to be completed for all projects and mapped onto the fire access site plan. When an alternate design means is proposed, all sections on pages 1 and 2 are to be completed and mapped on the fire access site plan.

For additional information refer to the instructions at the end of this form and DSA Policy PL 09-01: Fire Flow for Buildings.

PROJECT INFORMATION	
Project Name:	Addams Elementary School
Project Address:	2117 W. McKinley Ave., Fresno, CA 93726
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 (FHSZ) as established by Cal Fire? (If yes, indicate FHSZ classification below.)	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Refer to the following website for FHSZ locations: <a href="http://maps.fire.ca.gov/FHSZ/">http://maps.fire.ca.gov/FHSZ/</a>	Moderate <input type="checkbox"/> High <input type="checkbox"/> Very 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"/>

DGS 810 (revised 01/30/20)

DIVISION OF THE STATE ARCHITECT

DEPARTMENT OF GENERAL SERVICES

Page 1 of 4

STATE OF CALIFORNIA

DSA File No.:  
10-48

DSA Application No.:  
02-118888

#### SYMBOLS

Assumed Property Line

Frontage Line

Accessible Path of Travel

New Building

Relocated Building

Existing Building

Fire Truck Access Lane  
The entry of the Fire Access Road and Turn  
Around has a minimum vertical clearance of 13'-6"

FH FIRE PROTECTION, Fire Hydrant (FH)

FDC FIRE PROTECTION, Fire Department Connection (FDC) (Siamese)

PV FIRE PROTECTION, Post Indicator Valve (PIV)

#### BUILDING OUTLINE

Accessible Restroom Location:

B = Boys  
G = Girls  
M = Men  
W = Women  
U = Unisex  
S = Staff

#### ABBREVIATIONS

DF ACCESSIBLE DRINKING FOUNTAIN LOCATION  
(-HA = High Adult)  
(-LA = Low Adult)

#### NOTES

- Site Gates, Site Ramps, and Site Stair locations in the "Path of Travel" are indicated on Drawing REGULATORY COMPLIANCE SITE PLAN and FLOOR PLAN
- The Path of Travel slopes shall not exceed a running slope of 1:20 (5%). The Path of Travel slopes shall not exceed a Cross Slope of 1:50 (2%). The Path of Travel shall not have overhead obstructions within 8'0" above the walking surface or obstructions protruding more than 4" between 27" and 80" above the walking surface.
- The "Path of Travel" as shown on Drawing REGULATORY COMPLIANCE SITE PLAN, shall not have any unprotected vertical drop exceeding 4 inches at the time of the preparation of the contract documents and DSA approval. Contractor shall verify and bring any non-complying items to the attention of the Architect.
- All new concrete surface within the "Path of Travel" shall have a non-slip medium broom finish as called for in Specification Section CAST-IN-PLACE CONCRETE. A heavy broom finish shall be used on all slopes greater than 6%.
- This is project is intended to place Temporary Classroom Housing for students during the construction of the buildings under DSA Approved Application No. 02-117220. Refer to this application for the extent of Accessibility and Fire Life Safety upgrades site wide.
- The Path of Travel (POT) identified in these construction documents is compliant with current applicable California Building Code Accessibility Provisions for Path of Travel Requirements for Alterations and Structural Repairs. As Part of the Design of this project, the POT was examined and any elements, components or portion 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 specification incorporated into these construction documents. Any noncompliant elements, components or portion 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 non-complying 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" (Form DSA 140). The Path of Travel Identified is also in compliance with the egress lighting requirements of CBC 1008.2.3. Existing Site Lighting and new building lighting provides a minimum of 1 ft. Candle min.

G18

Regulatory Compliance Site Plan Legend

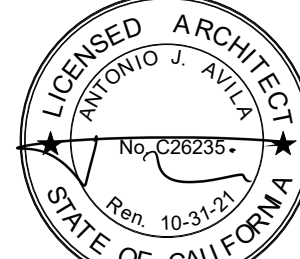
Addams Elementary School Interim Housing  
Fresno Unified School District  
2117 W McKinley Ave., Fresno, CA 93726

General Information

REGULATORY COMPLIANCE SITE PLAN

Drawing

**darden** ARCHITECTURE  
PLANNING  
INTERIORS  
www.dardenarchitects.com  
6790 N. West Ave. • Fresno, CA 93711 • T. 559.448.8051



Architect

No. Revision/Submission Date

Revision

Designed By:TA/AC

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Scale: As indicated Drawn By: BY

Project Number: 1725.3 Checked By: AC

Date: 01/27/21 Reviewed By: TA

Sheet: of:

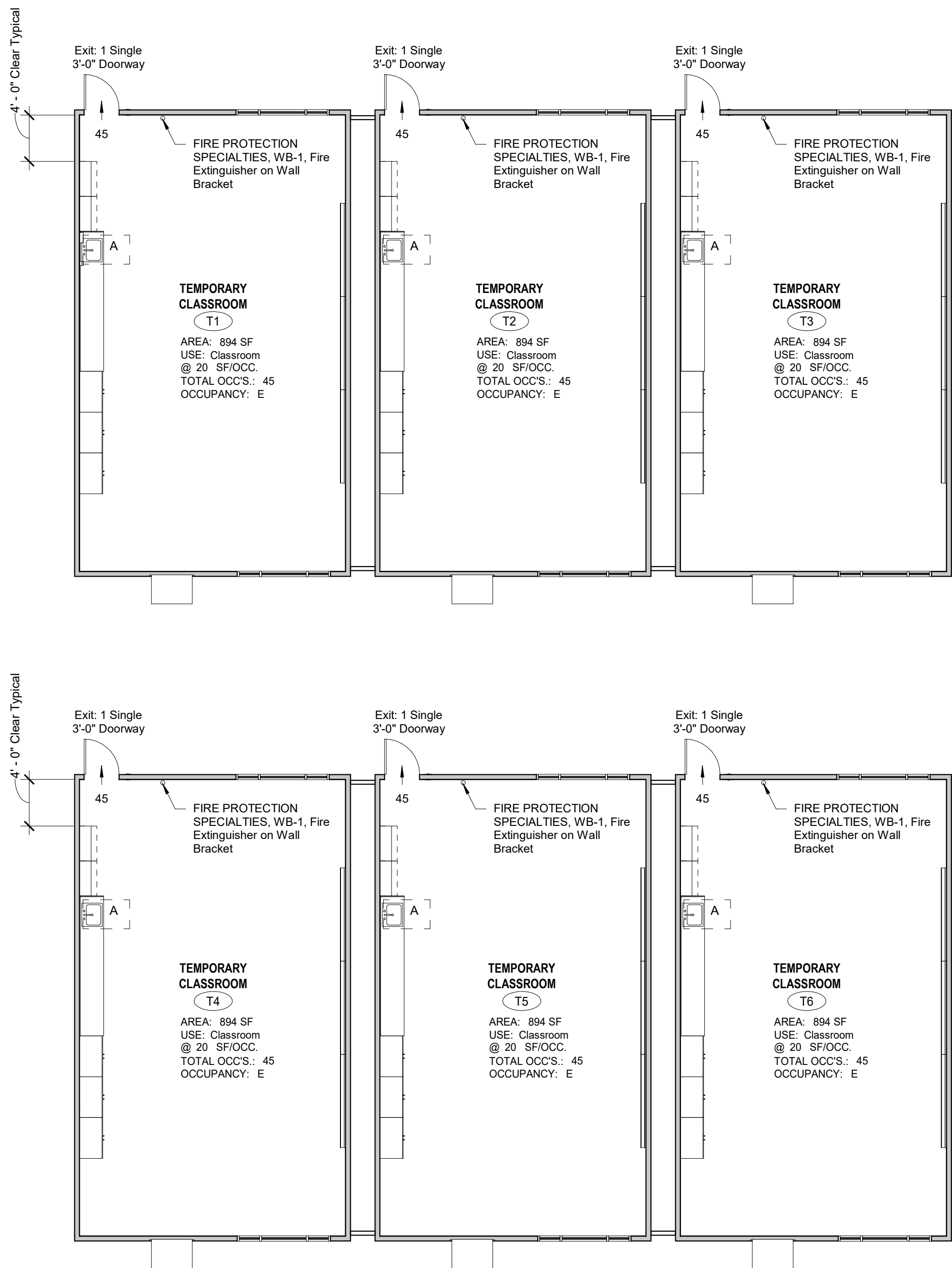
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V18\_andrew@dardenarchitects.com.rvt

A9  
Regulatory Floor Plan

1/8" = 1'-0"



DSA File No.:  
10-48

DSA Application No.:  
02-118888

IDENTIFICATION STAMP  
DIV. OF THE STATE ARCHITECT  
APP: 02-118888 INC:  
REVIEWED FOR  
SS ☒ FLS ☒ ACS ☒  
DATE: 02/24/2021

Agency Approval

#### CORRIDORS

6'-0" WIDTH = 72' / 0.2 = 360 OCCUPANTS  
7'-0" WIDTH = 84' / 0.2 = 420 OCCUPANTS  
8'-0" WIDTH = 96' / 0.2 = 480 OCCUPANTS  
9'-0" WIDTH = 108' / 0.2 = 540 OCCUPANTS  
10'-0" WIDTH = 120' / 0.2 = 600 OCCUPANTS  
11'-0" WIDTH = 132' / 0.2 = 660 OCCUPANTS  
12'-0" WIDTH = 144' / 0.2 = 720 OCCUPANTS

#### DOORWAYS

SINGLE 3'-0" DOORWAY = 32.75' / 0.2 = 163 OCCUPANTS  
SINGLE 4'-0" DOORWAY = 46.75' / 0.2 = 233 OCCUPANTS  
1 PAIR 3'-0" DOORWAY = 68.75' / 0.2 = 343 OCCUPANTS  
2 PAIR 4'-0" DOORWAY = 92.75' / 0.2 = 463 OCCUPANTS  
1-1/2 PAIR 3'-0" DOORWAY = 104.25' / 0.2 = 521 OCCUPANTS  
1-1/2 PAIR 4'-0" DOORWAY = 138.50' / 0.2 = 682 OCCUPANTS  
2 PAIR 3'-0" DOORWAY = 137.50' / 0.2 = 687 OCCUPANTS  
2 PAIR 4'-0" DOORWAY = 185.50' / 0.2 = 927 OCCUPANTS

N18

No Scale

Exit Width Schedule

#### SYMBOLS

[A] Indicates Required Accessible Clearance  
Space (30" x 48") at Sinks, Urinals and Drinking  
Fountains

Accessible Restroom Location:  
B = Boys  
G = Girls  
M = Men  
W = Women  
U = Unisex

#### ABBREVIATIONS

DF ACCESSIBLE DRINKING FOUNTAIN LOCATION  
(-HA = High Adult)  
(-LA = Low Adult)

WB-1 FIRE PROTECTION SPECIALTIES, Fire Extinguisher and Bracket.

FEC FIRE PROTECTION SPECIALTIES, Fire Extinguisher and Cabinet.  
Provide Fire Rated Cabinet at Rated Walls.

H18

No Scale

Regulatory Compliance Floor Plan Legend

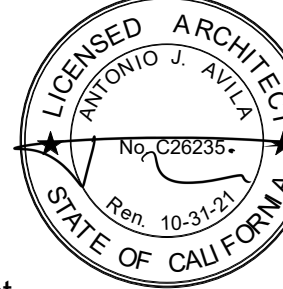
Addams Elementary School Interim Housing  
Fresno Unified School District  
2117 W McKinley Ave, Fresno, CA 93726 Project

General Information

REGULATORY COMPLIANCE FLOOR PLANS

Drawing

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Architect

No.	Revision/Submission	Date

#### Revision

Designed By:TA/AC Copyright © 2020 Darden Architects

Scale: 1/8" = 1'-0" Drawn By: BY

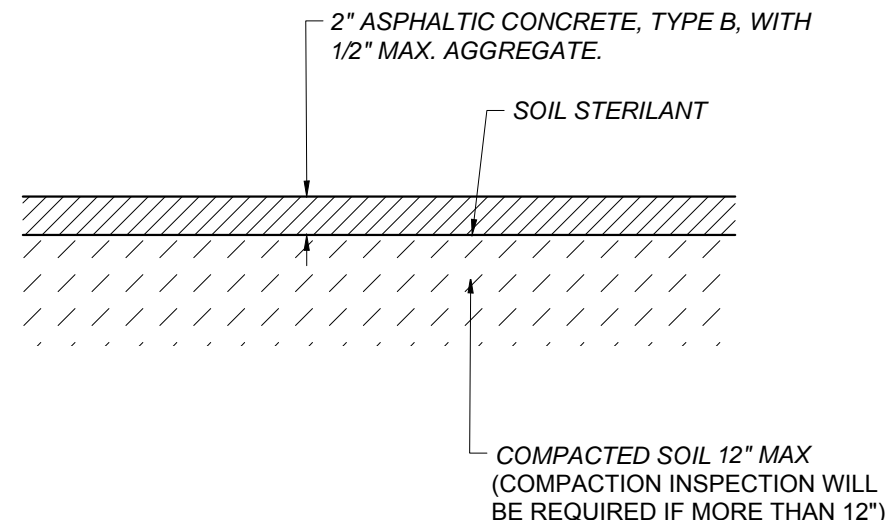
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Date: 01/27/21 Reviewed By: TA

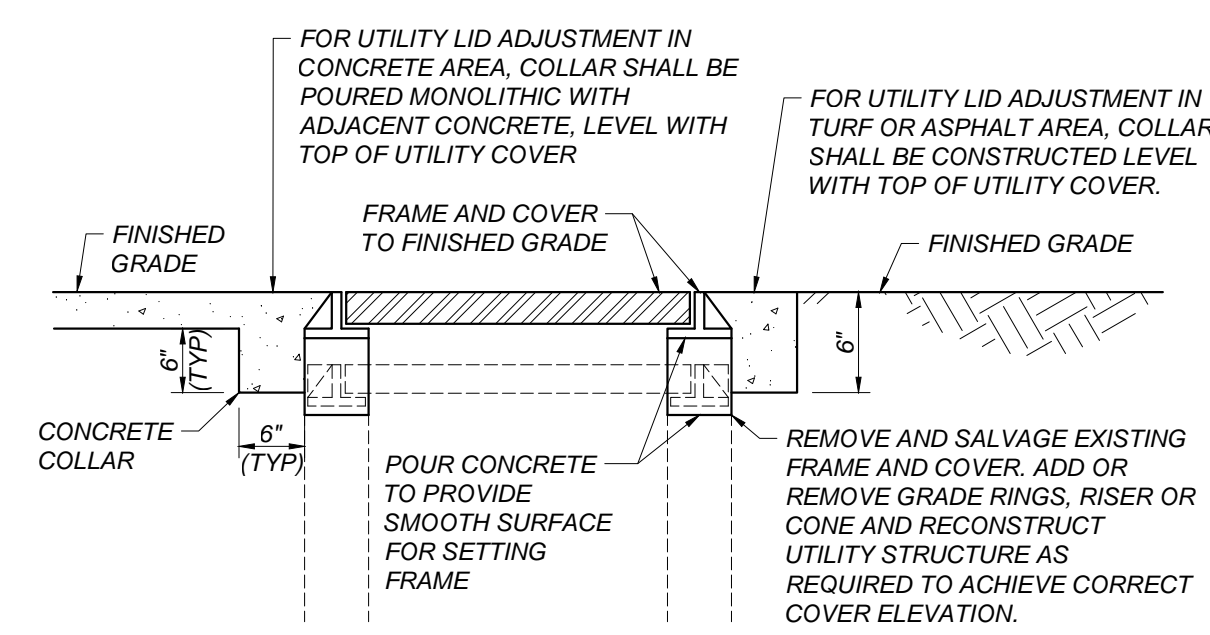
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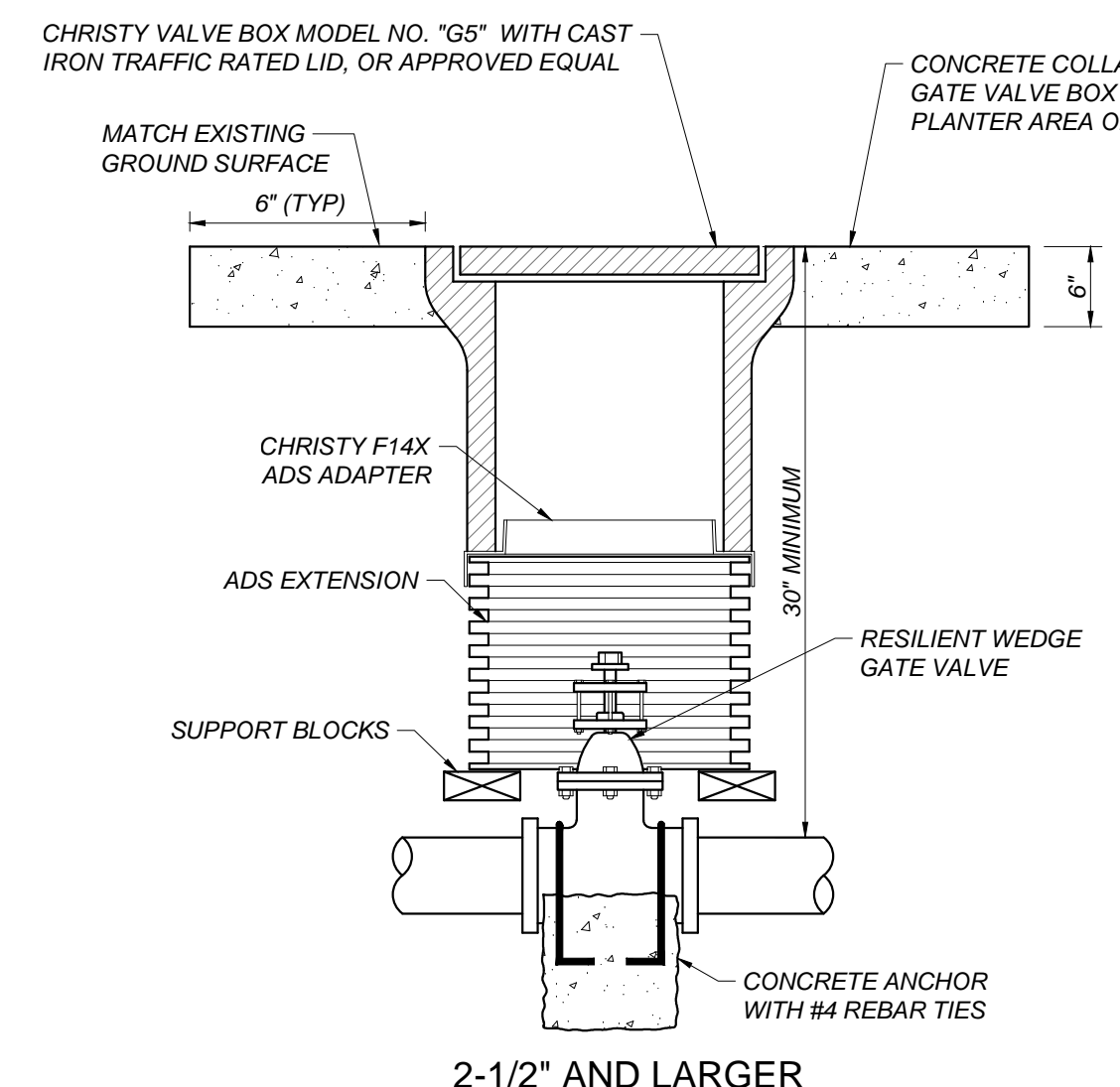




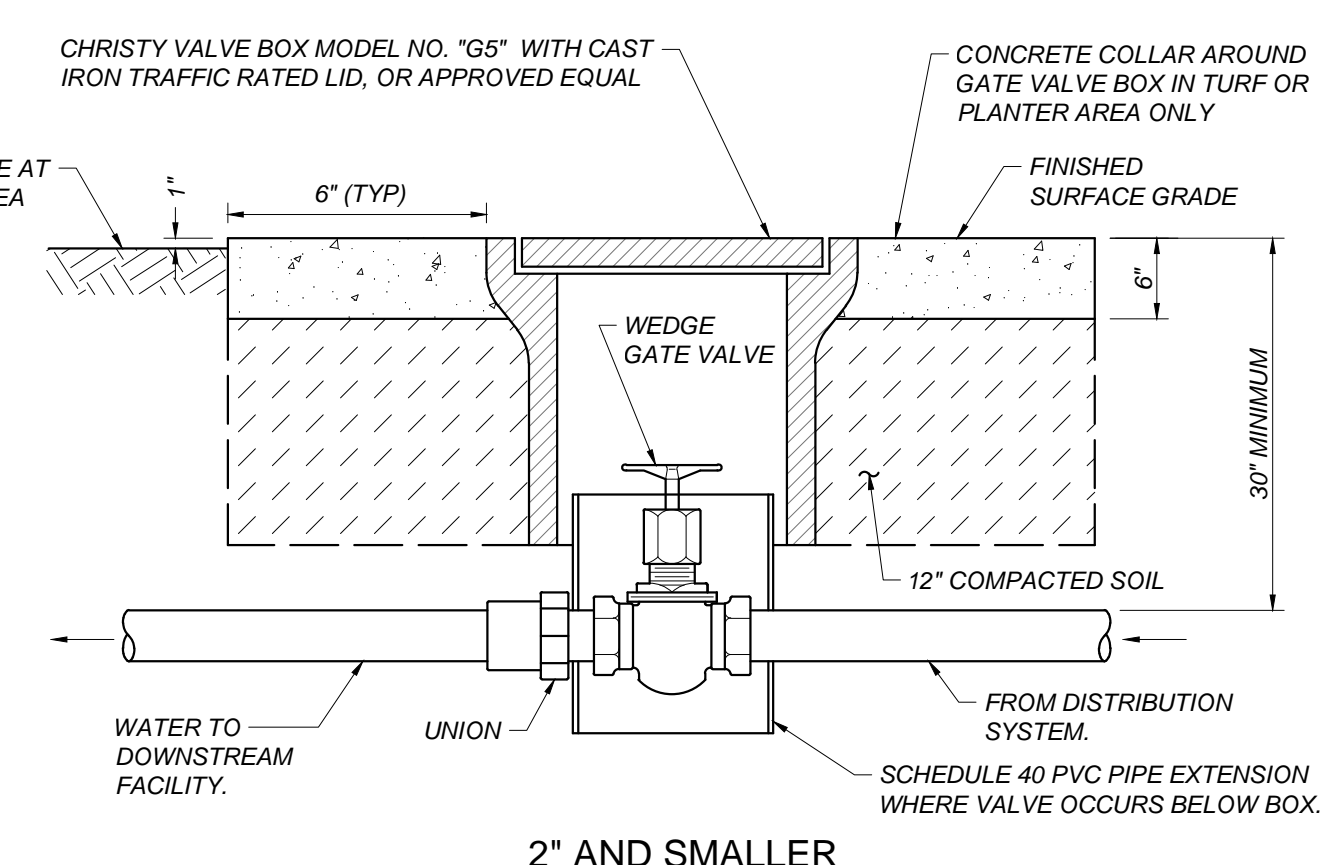
**A**  
SD/X101  
ASPHALT CONCRETE PAVEMENT  
STRUCTURAL SECTION  
NOT TO SCALE



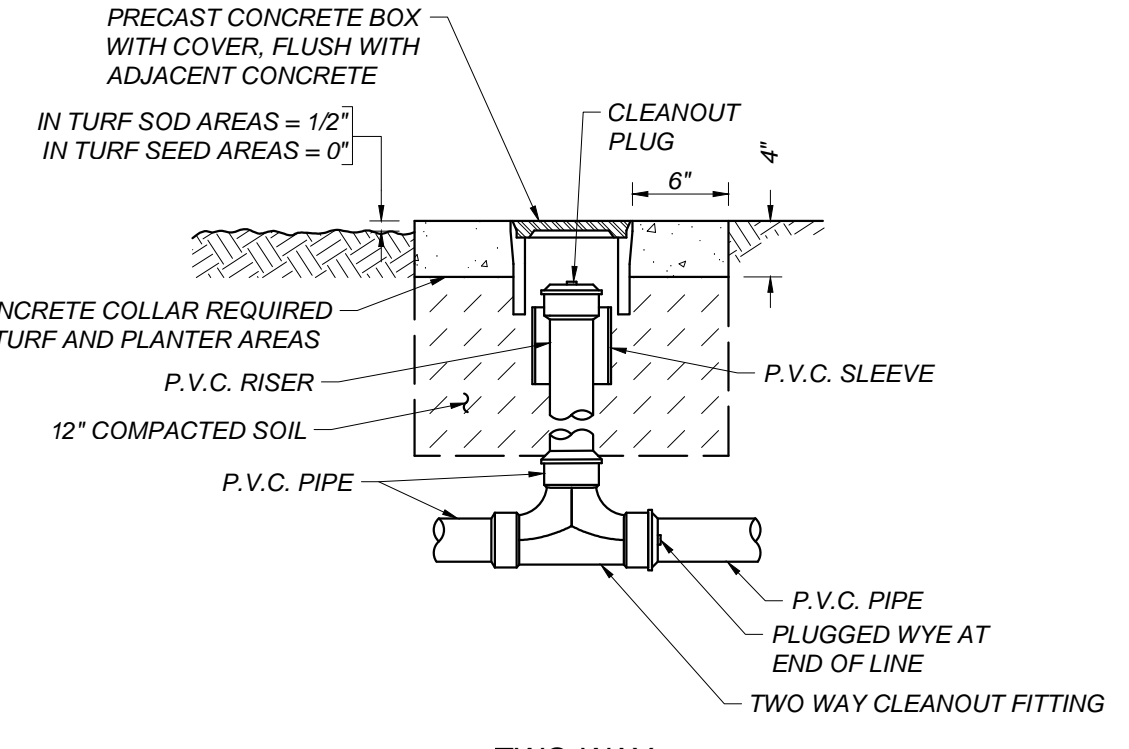
**B**  
SD/X101  
ADJUST UTILITY LID  
NOT TO SCALE



**C**  
SD/X101  
GATE VALVE AND LID  
NOT TO SCALE

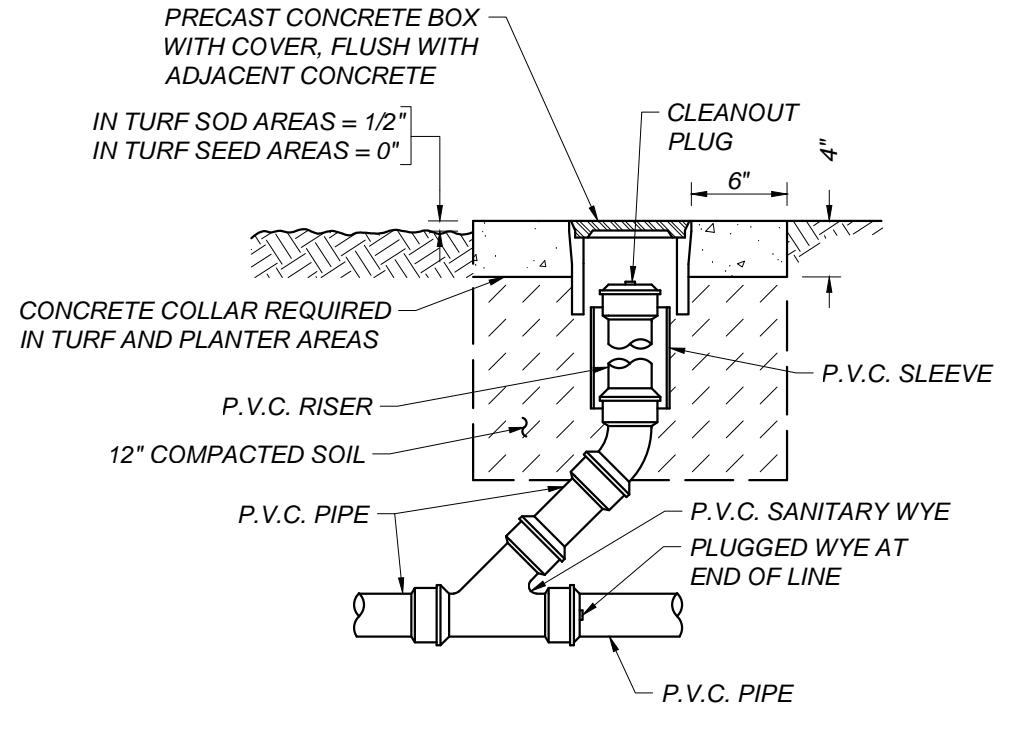


**2" AND SMALLER**

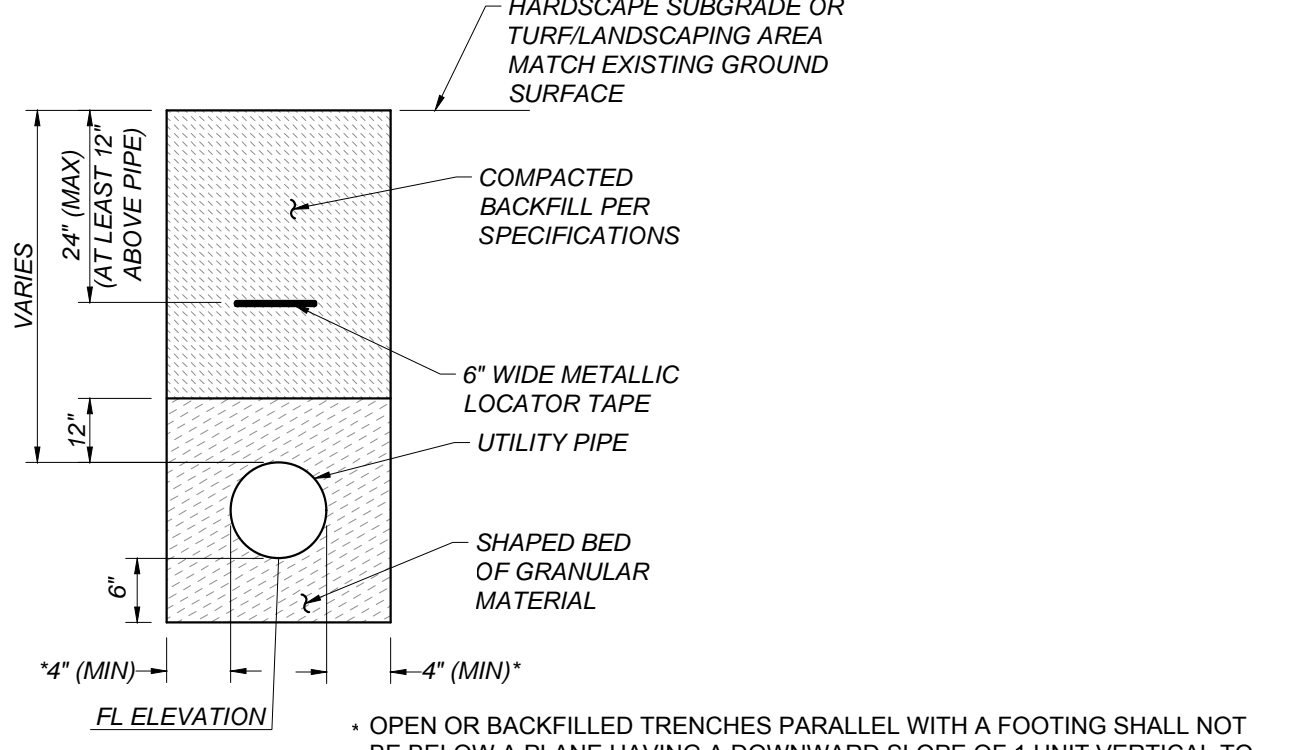


**D**  
SD/X101  
SURFACE CLEANOUT  
NOT TO SCALE

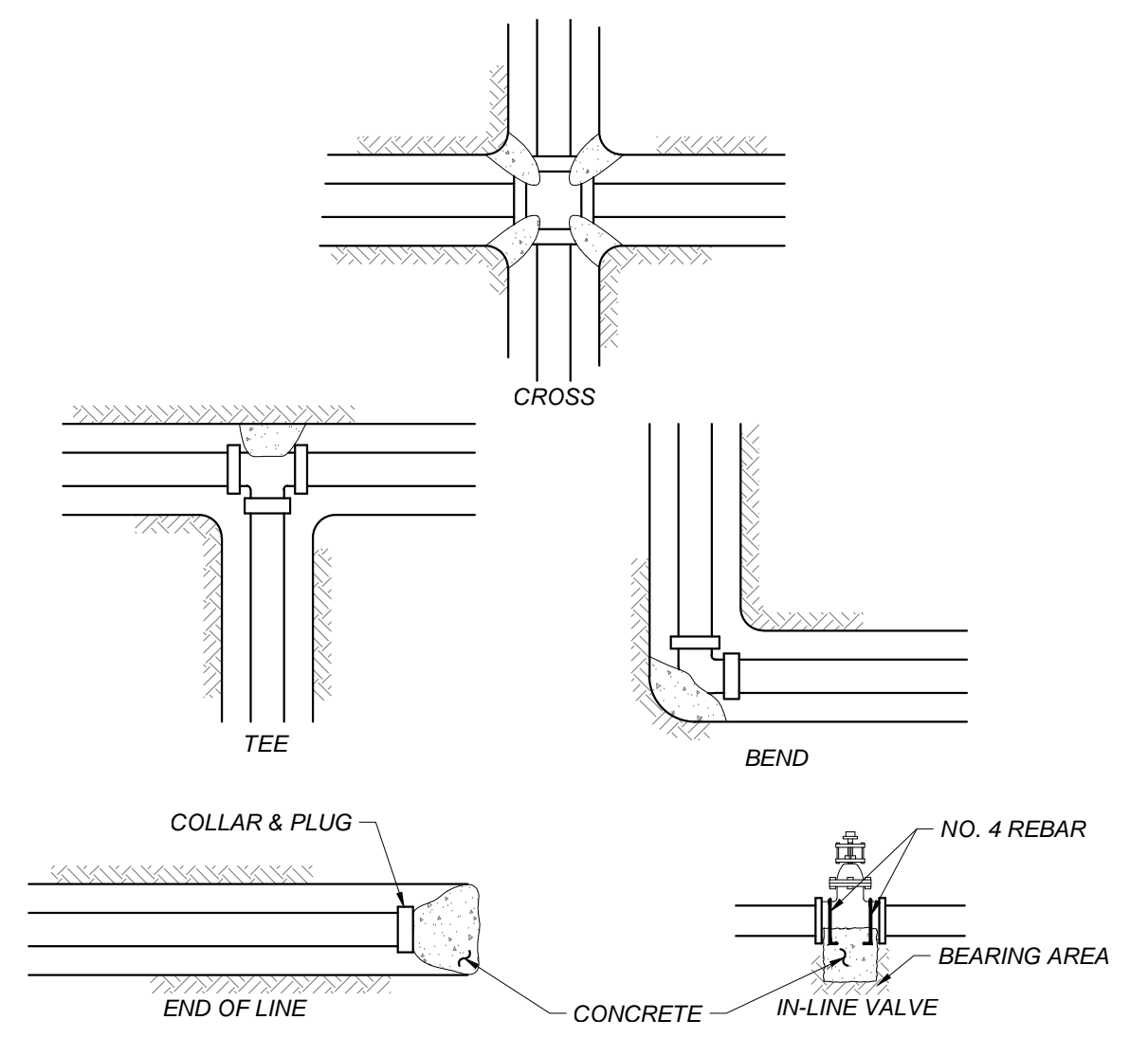
NOTE:  
USE ONE-WAY CLEANOUTS AT ALL ANGLE POINTS;  
TWO-WAY CLEANOUTS AT ALL OTHER LOCATIONS



**ONE-WAY**



**E**  
SD/X101  
TRENCH DETAIL FOR UTILITY LINES  
NOT TO SCALE



Pipe Diameter	Table Of Bearing Areas Required (In Square Feet)*				
	4" Or Smaller	6"	8"	10"	12"
Cross, Tee, 90° Bend, Plug, Hydrant, Valve	6.3	13.2	22.7	34.2	48.3
45° Bend	3.4	7.1	12.3	18.5	26.1
22 1/2° Bend	1.7	3.6	9.4	14.4	20.3
11 1/4° Bend	0.9	1.8	4.7	7.2	10.1

\* TABLE CALCULATED BASED ON NFPA 24, CURRENT EDITION TABLE A.10.8.2(b), WITH 250 PSI WATER PRESSURE AND 1500 PSF SOIL BEARING PRESSURE.

**F**  
SD/X101  
CONCRETE THRUST BLOCKS  
NOT TO SCALE

DSA File No.: 10-48  
DSA Application No.: 02-118888

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DIV. OF THE STATE ARCHITECT  
APP: 02-118888 INC:  
REVIEWED FOR  
SS ☒ FLS ☒ ACS ☒  
DATE: 02/24/2021

Agency Approval

General Notes

**Blair, Church & Flynn**  
CONSULTING ENGINEERS

**Blair, Church & Flynn**  
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LINE R. E.A.P. 47153  
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STATE OF CALIFORNIA  
2/8/2021  
Date Signed

Consultant

Addams Elementary School Interim Housing  
Fresno Unified School District  
2117 W McKinley Ave. Fresno, Ca 93728  
Project

DETAILS

Drawing

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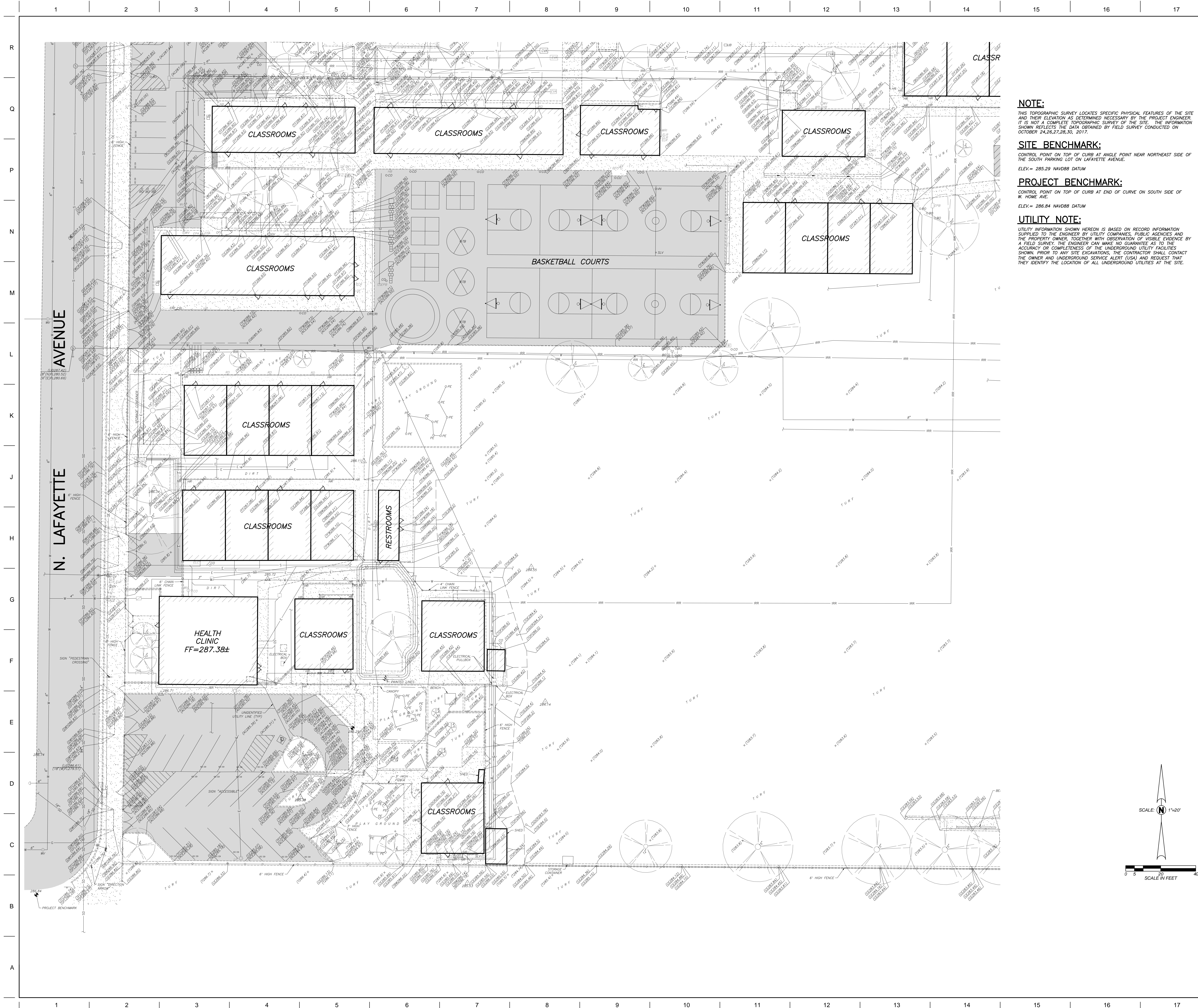
Revision

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Scale: As indicated	Drawn By: MJA	<b>SD/X101</b>
Project Number: 1725.3	Checked By: LRB	
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Plotted by: JDB, 2/8/21, 4:50pm





DSA File No.:  
10-48

DSA Application No.:  
02-118888

IDENTIFICATION STAMP  
DIV. OF THE STATE ARCHITECT  
APP: 02-118888 INC:  
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DATE: 02/24/2021

Agency Approval

LEGEND:

EXISTING ELEVATION		JOINT UTILITY POLE
AC ASPHALTIC CONCRETE		LIGHT POLE
ACE ASPHALTIC CONCRETE EDGE		PLAY EQUIPMENT POST
BOV BUILDING VENTS		POWER POLE
CE CONCRETE EDGE		ROAD DRAIN UNDERGROUND
C CONCRETE		SIGN
CW CONCRETE WALL		SEWER MANHOLE
DWY DRIVEWAY		SITE/PROJECT BENCHMARK
FF FINISH FLOOR		SLEEVE
GB GRADE BREAK		SLOPE
GFL GUTTER FLOWLINE		STORM DRAIN MANHOLE
BCST STAIR STEP		STREET LIGHT
SCOD STORM DRAIN CROSS DRAIN		STREET LIGHT PULLBOX
SLFL STORM DRAIN FLOWLINE		SURVEY CONTROL POINT
SGOR STORM DRAIN GRATE		TELEPHONE PULLBOX
TBW TOP BACK OF WALK		TELEPHONE RISER
TRC TOP OF CURB		TETHER BALL POLE
TFW TOP FACE OF WALK		TRAFFIC SIGNAL
TOE TOP OF SLOPE		TRAFFIC SIGNAL BOX
T TURF		TREE, SPREAD SHOWN GRAPHICALLY AND TRUNK DIMENSIONS AS SHOWN
VGLF VALLEY GUTTER FLOWLINE		UNIDENTIFIED BOX
VGR VALLEY GUTTER		UNIDENTIFIED VALVE
WCR WHEELCHAIR RAMP		VACUUM BREAKER
AL ACCENT LIGHT		WATER METER
BACKFLOW ASSEMBLY		WATER RISER
BKBB BASKETBALL BACKBOARD		WATER VALVE
BO BOLLARD		WATER VAULT
BP BOOSTER PUMP		WHEELSTOP
CO CLEANOUT		
COBP COMMUNICATION BOX		
CRS COMMUNICATIONS RISER		
DF DOOR/GATE		
DRINKING FOUNTAIN		
ECB ELECTRICAL CABINET		
ELC ELECTRICAL CONDUIT		
EPFA ELECTRICAL PANEL		
EPFB ELECTRICAL PULLBOX		
ELR ELECTRICAL RISER		
FLP FLAG POLE		
FD FIRE HYDRANT		
GM GAS METER		
GV GAS VALVE		
GW GUY WIRE ANCHOR		
HR HANDRAIL		
HB HOSE BIBB		
INTERATIONAL SYMBOL OF ACCESSIBILITY		
IRRIGATION VALVE		
JOINT UTILITY POLE		
LIGHT POLE		
PLAY EQUIPMENT POST		
POWER POLE		
ROAD DRAIN UNDERGROUND		
SIGN		
SEWER MANHOLE		
SITE/PROJECT BENCHMARK		
SLEEVE		
SLOPE		
STORM DRAIN MANHOLE		
STREET LIGHT		
STREET LIGHT PULLBOX		
SURVEY CONTROL POINT		
TELEPHONE PULLBOX		
TELEPHONE RISER		
TETHER BALL POLE		
TRAFFIC SIGNAL		
TRAFFIC SIGNAL BOX		
TREE, SPREAD SHOWN GRAPHICALLY AND TRUNK DIMENSIONS AS SHOWN		
UNIDENTIFIED BOX		
UNIDENTIFIED VALVE		
VACUUM BREAKER		
WATER METER		
WATER RISER		
WATER VALVE		
WATER VAULT		
WHEELSTOP		
AC PAVING IMPROVEMENTS		
WOOD CHIP PAVEMENT		
BUILDING		
CONCRETE IMPROVEMENTS		
CHAIN LINK FENCE		
FLOWLINE AND DIRECTION		
UNDERGROUND ELECTRIC		
OVERHEAD ELECTRIC		
STRIPING		
EDGE OF LANDSCAPE		
EDGE OF DIRT		
BUILDING OVERHEAD		
COMMUNICATION LINE		
EDGE OF CONCRETE		
GAS LINE; SIZE AS NOTED		
IRRIGATION LINE		
OVERHEAD TELEPHONE		
SEWER LINE; SIZE AS NOTED		
STORM DRAIN LINE; SIZE AS NOTED		
STRIPED LIGHT CONDUIT		
UNDERGROUND TELEPHONE		
UNIDENTIFIED UTILITY LINE		
WATER LINE; SIZE AS NOTED		

### General Notes



Consultant

**Addams Elementary School Interim Housing**  
Fresno Unified School District  
2117 W McKinley Ave. Fresno, Ca 93728 Project

TOPOGRAPHICAL SURVEY

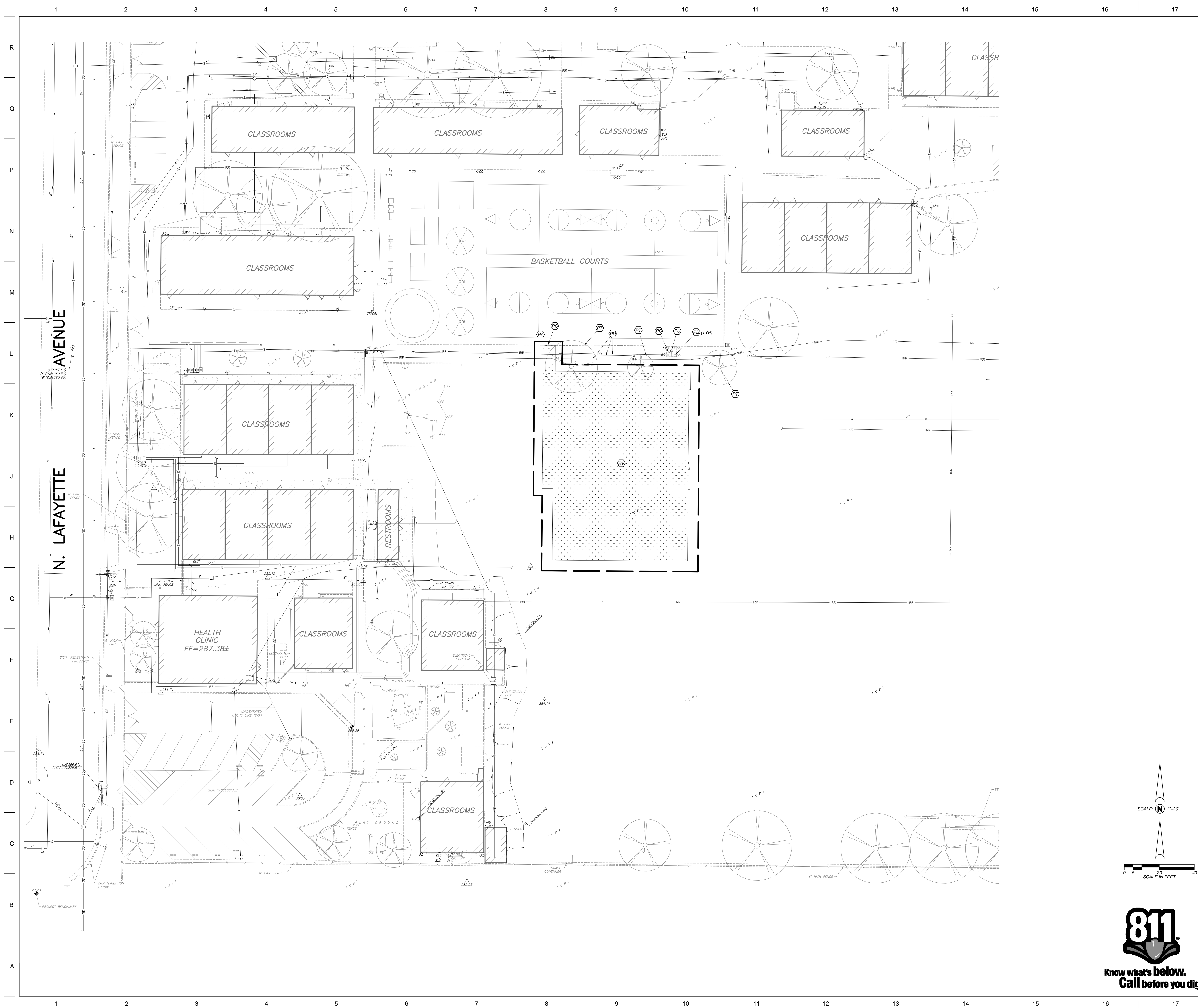
### Drawing



Architect

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Revision		
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Project Number: 1725.3	Checked By: LRB	
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		Sheet: _____ of: _____





DSA File No.:  
10-48

DSA Application No.:  
02-118888

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DATE: 02/24/2021

Agency Approval

**DEMOLITION LEGEND:**  
REMOVE EXISTING IMPROVEMENTS AS NECESSARY TO CONSTRUCT NEW IMPROVEMENTS SHOWN ON THESE PLANS UNLESS OTHERWISE. THE REMOVAL OF IMPROVEMENTS MUST BE COORDINATED WITH ALL PLAN SHEETS. CONTRACTOR MUST ALSO COORDINATE REMOVAL OF IMPROVEMENTS WITH UTILITY AGENCIES. PROTECT ALL IMPROVEMENTS NOT DESIGNATED FOR REMOVAL. SEE NOTE 1.

PA

PB

PC

PT

PU

PV

PROTECT ASPHALT CONCRETE PAVEMENT TO REMAIN

PROTECT BOLLARD TO REMAIN

PROTECT CONCRETE IMPROVEMENTS TO REMAIN

PROTECT TREE AND ROOTS TO REMAIN

PROTECT UTILITY TO REMAIN

REMOVE VEGETATION TO A MINIMUM DEPTH OF 4"

**GENERAL DEMOLITION NOTES:**

1. THE "LIMIT OF DEMOLITION" SHOWN IS APPROXIMATE AND IS GENERALLY CONSIDERED TO BE THE MINIMUM REMOVAL REQUIREMENTS. CONTRACTOR MUST COORDINATE AS NOTED IN THE LEGEND.

2. CONTRACTOR SHALL LEGALLY DISPOSE OF ALL DEMOLISHED MATERIALS OFF SITE.

3. CONTRACTOR SHALL PROTECT ALL EXISTING UTILITY IMPROVEMENTS NOT SPECIFICALLY DESIGNATED FOR REMOVAL.

4. THE ON-SITE UNDERGROUND UTILITIES SHOWN ON THIS SHEET ARE AT APPROXIMATE LOCATIONS. THE EXTENT, LOCATIONS AND SIZES ARE UNKNOWN. THE CONTRACTOR SHALL POT-HOLE TO LOCATE AND VERIFY THE UNDERGROUND UTILITY LINES PRIOR TO REMOVAL.

5. CONTRACTOR TO PROTECT AND PRESERVE IN PLACE ANY FOUND SURVEY MONUMENTS. ANY MONUMENTS DISTURBED SHALL BE RESET BY A CALIFORNIA LICENSED SURVEYOR AND THE APPROPRIATE PAPERWORK FILED WITH THE CITY OR COUNTY, AT CONTRACTOR'S EXPENSE.

6. ALL HAZARDOUS MATERIALS ENCOUNTERED DURING SITE DEMOLITION SHALL BE REMEDIATED AND DISPOSED OF PER STATE AND EPA REQUIREMENTS.

7. CONTRACTOR SHALL CONTACT AND COORDINATE WITH ALL UTILITY AGENCIES PRIOR TO THE START OF ANY DEMOLITION OR CONSTRUCTION.

8. ANY EXISTING UTILITIES AND/OR IMPROVEMENTS WHICH ARE TO REMAIN, THAT BECOME DAMAGED DURING CONSTRUCTION SHALL BE COMPLETELY RESTORED TO THE SATISFACTION OF THE OWNER AND AGENCY HAVING AUTHORITY, AT THE CONTRACTOR'S SOLE EXPENSE.

General Notes

Blair, Church & Flynn  
Consulting Engineers

451 Clovis Avenue,  
Suite 200  
Clovis, California 93612  
Tel (559) 326-1400  
Fax (559) 326-1500

REGISTERED PROFESSIONAL ENGINEER  
No. 57,553  
CIVIL  
STATE OF CALIFORNIA

2/8/2021  
Date Signed

Consultant

Addams Elementary School Interim Housing  
Fresno Unified School District  
2117 W McKinley Ave. Fresno, Ca 93728

Project

DEMOLITION PLAN

Drawing

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Revision

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Project Number: 1725.3	Checked By: LRB
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SD/C201

Sheet: \_\_\_\_\_ of: \_\_\_\_\_

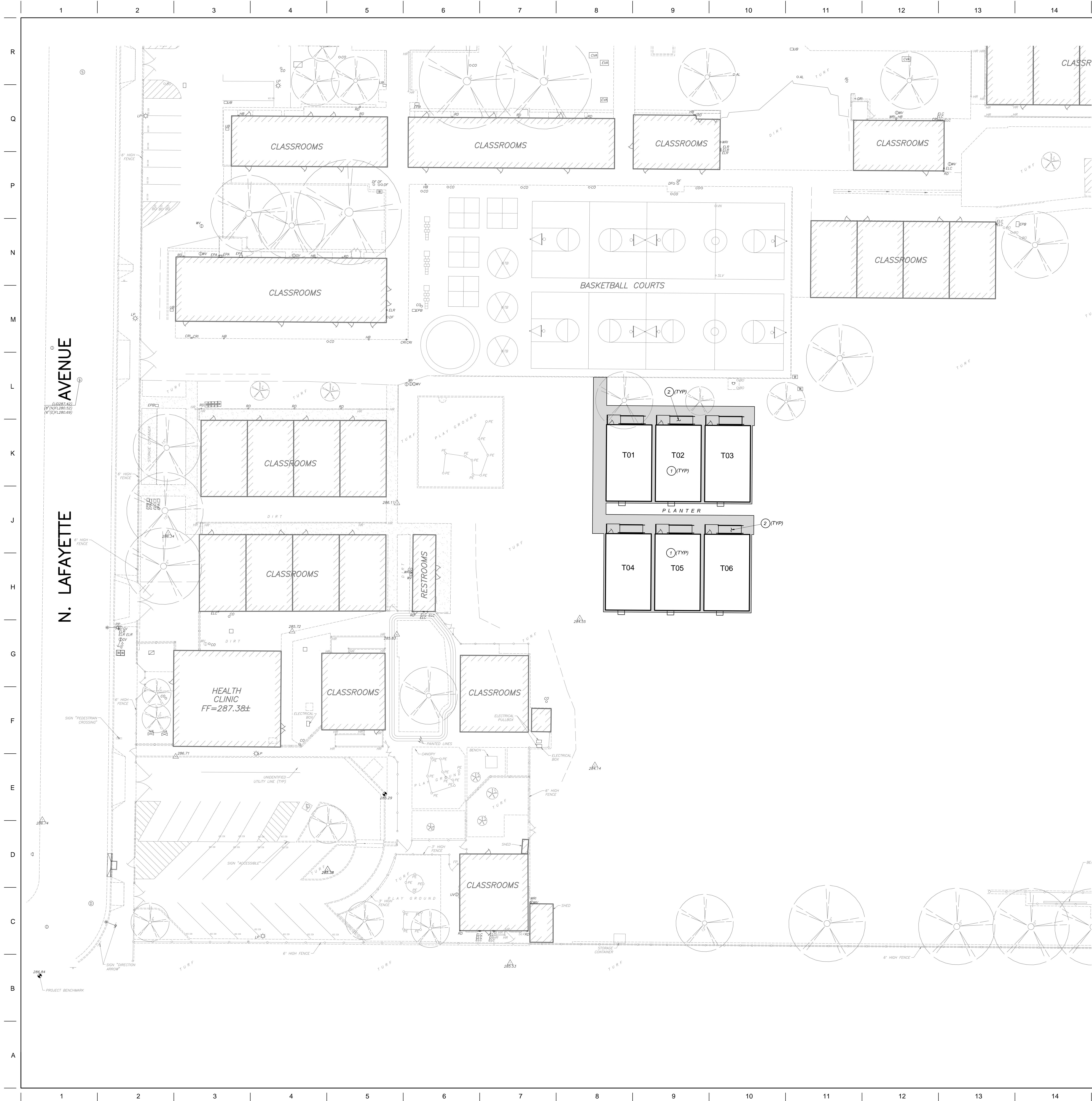
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Scale: 1"=20'

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DSA File No.:  
10-48

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Agency Approval

SITE LEGEND:

- |   |  |
|---|--|
|   | LIMITS OF ASPHALTIC CONCRETE PAVEMENT<br>STRUCTURAL SECTION PER DETAIL [A/SD/X101]   |
| ① | PLACE ASPHALTIC CONCRETE PAVEMENT<br>STRUCTURAL SECTION BELOW PORTABLE<br>CLASSROOMS |
| ② | ACCESSIBLE RAMP, SEE ARCHITECTURAL PLAN  |

GENERAL SITE NOTES:

1. ANY SURVEY MONUMENTS WITHIN THE AREA OF CONSTRUCTION SHALL BE PRESERVED OR RESET BY A PERSON LICENSED TO PRACTICE LAND SURVEYING IN THE STATE OF CALIFORNIA. REPLACEMENT TO BE AT CONTRACTOR'S SOLE EXPENSE.

### General Notes



**Blair, Church & Flynn  
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451 Clovis Avenue,  
Suite 200  
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### Consultant

*Addams Elementary School Interim Housing*  
Fresno Unified School District  
2117 W McKinley Ave. Fresno, Ca 93728 Project

## SITE PLAN

## Drawing



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Project Number: 1725.3	Drawn By: MJA	
Date: 2/8/2021	Checked By: LRB	
	Reviewed By: JDB	
		Sheet: _____ of: _____

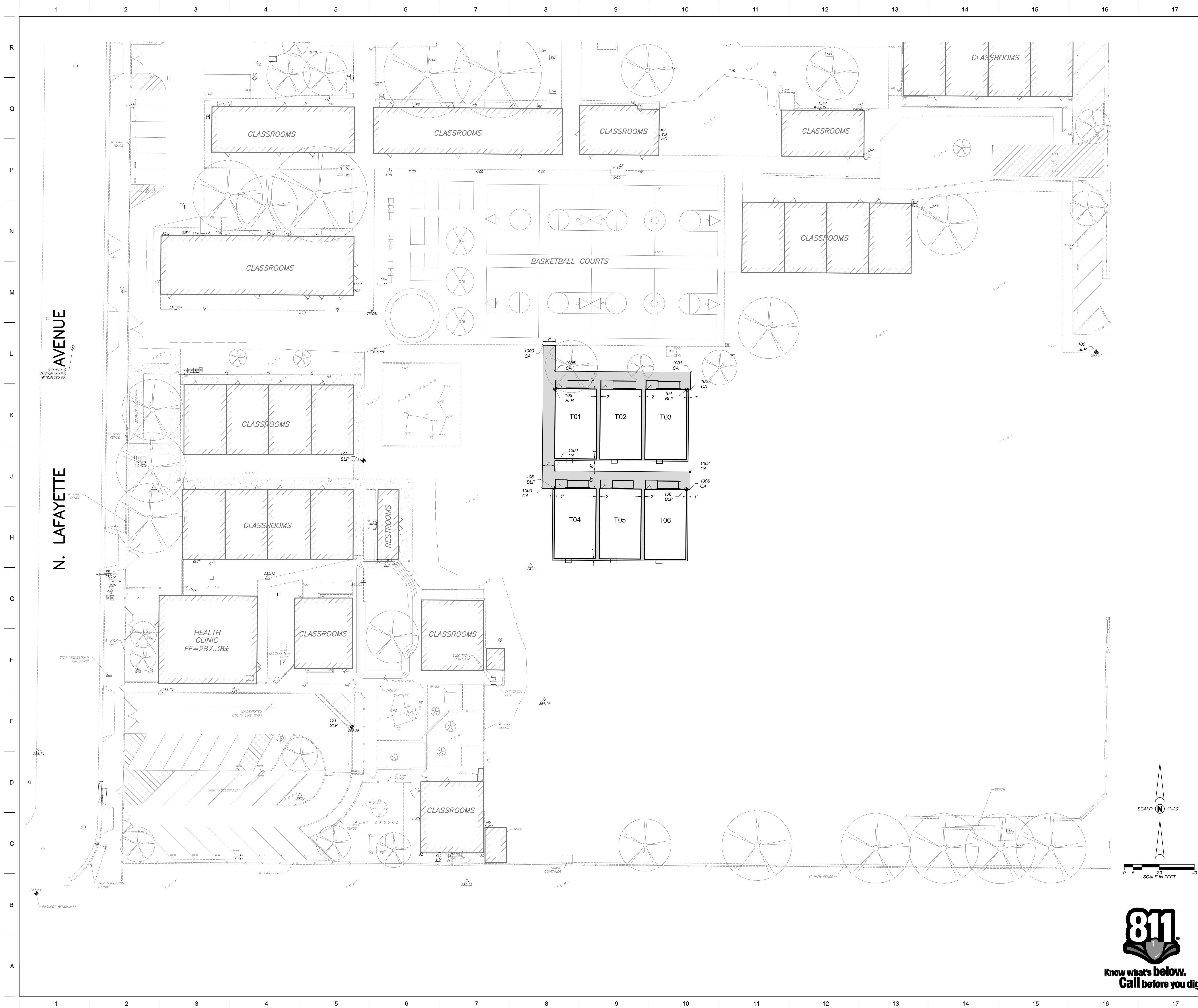
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**HORIZONTAL CONTROL LEGEND:**

1000 LCP

LAYOUT COORDINATE POINT

100 SLP

SITE LAYOUT POINT

100 BLP

BUILDING LAYOUT POINT

CA

CORNER OF ASPHALT

**GENERAL HORIZONTAL CONTROL NOTES:**

1. SITE LAYOUT POINT 100 IS A SURVEY CONTROL POINT ON EXISTING CONCRETE SIDEWALK LOCATED APPROXIMATELY 22± WEST OF NORTHWEST CORNER OF IRRIGATION BOOSTER PUMP ENCLOSURE. SITE LAYOUT POINT 101 IS A SURVEY CONTROL POINT ON EXISTING CURB RAMP IN SOUTHWEST PARKING LOT LOCATED APPROXIMATELY 121± EAST OF LAFAYETTE AVENUE. SITE LAYOUT POINT 102 IS A SURVEY CONTROL POINT ON EXISTING CONCRETE SIDEWALK LOCATED APPROXIMATELY 84± NORTHWEST OF EXISTING PORTABLE RESTROOM.

2. DIMENSIONS AND POINTS ARE TO CENTER OF FENCE POSTS, FACE OF BUILDINGS, TOP FACE OF CURB, OR EDGE OF CONCRETE, UNLESS SHOWN OTHERWISE.

**HORIZONTAL CONTROL TABLE:**

NORTHING EASTING TABLE			
POINT	NORTHING	EASTING	ABV
100	2162199.92	6316851.64	SLP
101	2161985.80	6316426.42	SLP
102	2162137.99	6316432.77	SLP
103	2162179.09	6316542.41	BLP
104	2162178.59	6316617.74	BLP
105	2162122.10	6316542.03	BLP
106	2162121.59	6316617.35	BLP
1000	2162203.90	6316535.58	CA
1001	2162188.58	6316619.84	CA
1002	2162131.58	6316619.48	CA
1003	2162122.14	6316535.03	CA
1004	2162132.10	6316542.10	CA
1005	2162189.09	6316542.48	CA
1006	2162121.58	6316619.39	CA
1007	2162178.57	6316619.77	CA

General Notes

Blair, Church & Flynn  
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Fax (559) 326-1500

REGULATORY PROFESSIONAL  
STATE OF CALIFORNIA  
CIVIL  
No. 57553  
Date 2/24/2021  
Date Signed

Consultant

Addams Elementary School Interim Housing  
Fresno Unified School District  
2117 W McKinley Ave. Fresno, Ca 93728

Project

**HORIZONTAL CONTROL PLAN AND TABLE**

Drawing

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STATE OF CALIFORNIA

Revision

No.	Revision/Submission	Date

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Scale: As indicated  
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Date: 2/8/2021  
Reviewed By: JDB

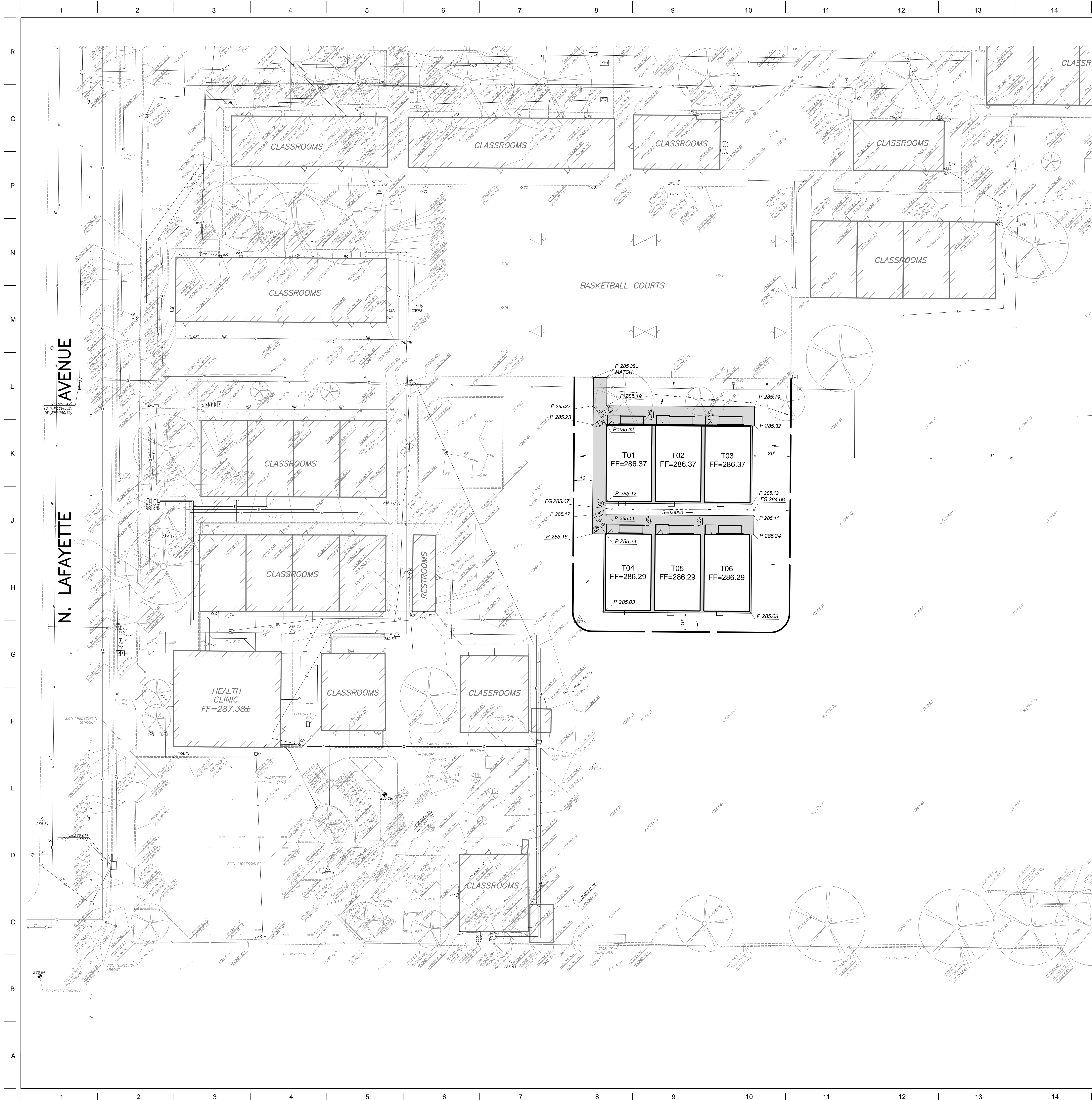
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**GRADING AND DRAINAGE LEGEND:**

FF	FINISHED FLOOR
FG	FINISHED GRADE
P	PAVEMENT
(344.3)	EXISTING ELEVATION
 328.78	NEW FINISHED GRADE
	DIRECTION OF SURFACE DRAINAGE
 G.B.	GRADE BREAK
	LIMITS OF GRADING
	SWALE AND DIRECTION OF FLOW
S=0.0020 	FLOWLINE SLOPE AND DIRECTION OF FLOW

GENERAL GRADING AND DRAINAGE NOTES:

THE REQUIREMENTS AND INFORMATION SET OUT BELOW ARE PROVIDED FOR THE CONTRACTOR'S CONVENIENCE AND DO NOT ENCOMPASS ALL PROJECT REQUIREMENTS DESCRIBED BY THE PROJECT PLANS AND SPECIFICATIONS AND/OR APPLICABLE LAWS, REGULATIONS AND/OR BUILDING CODES.

1. CONSTRUCTION OF ALL PROJECT SITE IMPROVEMENTS SUBJECT TO ADA ACCESS COMPLIANCE, INCLUDING ACCESSIBLE PATH OF TRAVEL, CURB RETURNS, CURB CUTS, RAMP LATERALS AND RAMP ENDINGS, BARRIER FREE AMENITIES AND OTHER APPLICABLE SITE IMPROVEMENTS SHALL CONFORM TO THE AMERICANS WITH DISABILITIES ACT, CALIFORNIA TITLE 24, THE CALIFORNIA BUILDING CODE, CURRENT EDITION(S).
2. THE CONTRACTOR SHALL FIELD VERIFY ALL GRADES AND SLOPES PRIOR TO THE PLACEMENT OF CONCRETE AND/OR PAYMENT FOR CONFORMANCE WITH ADA ACCESS COMPLIANCE REQUIREMENTS. EXAMPLES OF MINIMUM AND MAXIMUM LIMITS RELATED TO ADA ACCESS COMPLIANCE INCLUDE, BUT ARE NOT LIMITED TO:
  - a) ACCESSIBLE PATH OF TRAVEL CROSS-SLOPE SHALL NOT EXCEED 2%
  - b) ACCESSIBLE PATH OF TRAVEL LONGITUDINAL SLOPES SHALL NOT EXCEED 5%
  - c) RAMP LONGITUDINAL SLOPES SHALL NOT EXCEED 8.33%
  - d) ACCESSIBLE WALKS SHALL NOT HAVE LESS THAN 48 INCHES IN UNOBSTRUCTED WIDTH
  - e) ACCESSIBLE PARKING SPACES AND ACCESS AISLES SHALL NOT EXCEED 2% GPE IN ANY DIRECTION
  - f) LANDINGS AT THE TOP AND BOTTOM OF ACCESSIBLE RAMPS SHALL NOT EXCEED 2% SLOPE IN ANY DIRECTION
  - g) GUTTERS AND ROAD SURFACES DIRECTLY ADJACENT TO AND WITHIN 1 FEET OF A CURB RAMP SHALL HAVE A COUNTER SLOPE NOT TO EXCEED 5%
3. CONTRACTOR MUST IMMEDIATELY NOTIFY THE ENGINEER OF RECORD, DETERMINED BY THE PROJECT SPECIFICATIONS, OF ANY VIOLATIONS OF THESE PLANS, OF ANY SITE CONDITION(S) AND/OR DESIGN INFORMATION THAT PREVENTS THE CONTRACTOR FROM COMPLYING WITH THE LAWS, REGULATIONS AND BUILDING CODES GOVERNING ACCESS COMPLIANCE.
4. GROUND SLOPES AWAY FROM BUILDING PLANS IN LANDSCAPED OR DIRT AREAS SHALL BE NO LESS THAN 5% FOR AT LEAST TEN (10) FEET, OR AS OTHERWISE NOTED ON THE PLANS.
5. ALL FILL MATERIAL USED TO SUPPORT THE FOUNDATIONS OF ANY BUILDING OR STRUCTURE SHALL BE COMPACTED TO THE SPECIFICATIONS AND LICENSED GEOTECHNICAL ENGINEER, AND IN COMPLIANCE WITH THE PROJECT SPECIFICATIONS. A SOILS COMPACTION REPORT SHALL BE SUBMITTED TO THE ENGINEER OF RECORD FOR REVIEW AND APPROVAL PRIOR TO CONSTRUCTION.
6. THE CONTRACTOR SHALL IMPLEMENT DUST CONTROL MEASURES AS REQUIRED BY THE PROJECT SPECIFICATIONS, AND BY GOVERNING PUBLIC AGENCIES.
7. THE CONTRACTOR SHALL IMPLEMENT A STORM WATER POLLUTION PREVENTION PLAN (SWPPP) AS REQUIRED BY THE PROJECT SPECIFICATIONS AND THE STATE WATER RESOURCES CONTROL BOARD'S CONSTRUCTION GENERAL PERMIT. IMPLEMENT BEST MANAGEMENT PRACTICES WITH PUBLIC RIGHT OF WAY PER LOCAL JURISDICTION REQUIREMENTS.
8. ADJUST UTILITY LIDS WITHIN NEW CONSTRUCTION AREA TO FINISHED GRADE PER DETAIL B35XD(10). REPLACE ALL BROKEN LIDS WITH NEW, PROVIDE TRAFFIC BAY LIDS WITHIN VEHICLE LANE.

### General Notes

**Blair,  
Church  
& Flynn**  
CONSULTING ENGINEERS

Blair, Church & Flynn  
Consulting Engineers  
451 Clovis Avenue,  
Suite 200  
Clovis, California 93612  
Tel (559) 326-1400  
Fax (559) 326-1500

Consultant

*Addams Elementary School Interim Housing*  
Fresno Unified School District  
2117 W McKinley Ave. Fresno, Ca 93728 Project

GRADING AND DRAINAGE PLAN

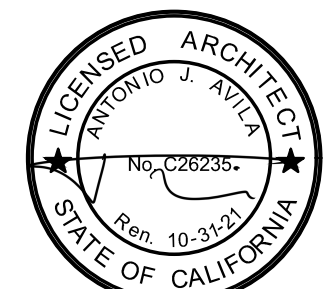
### Drawing

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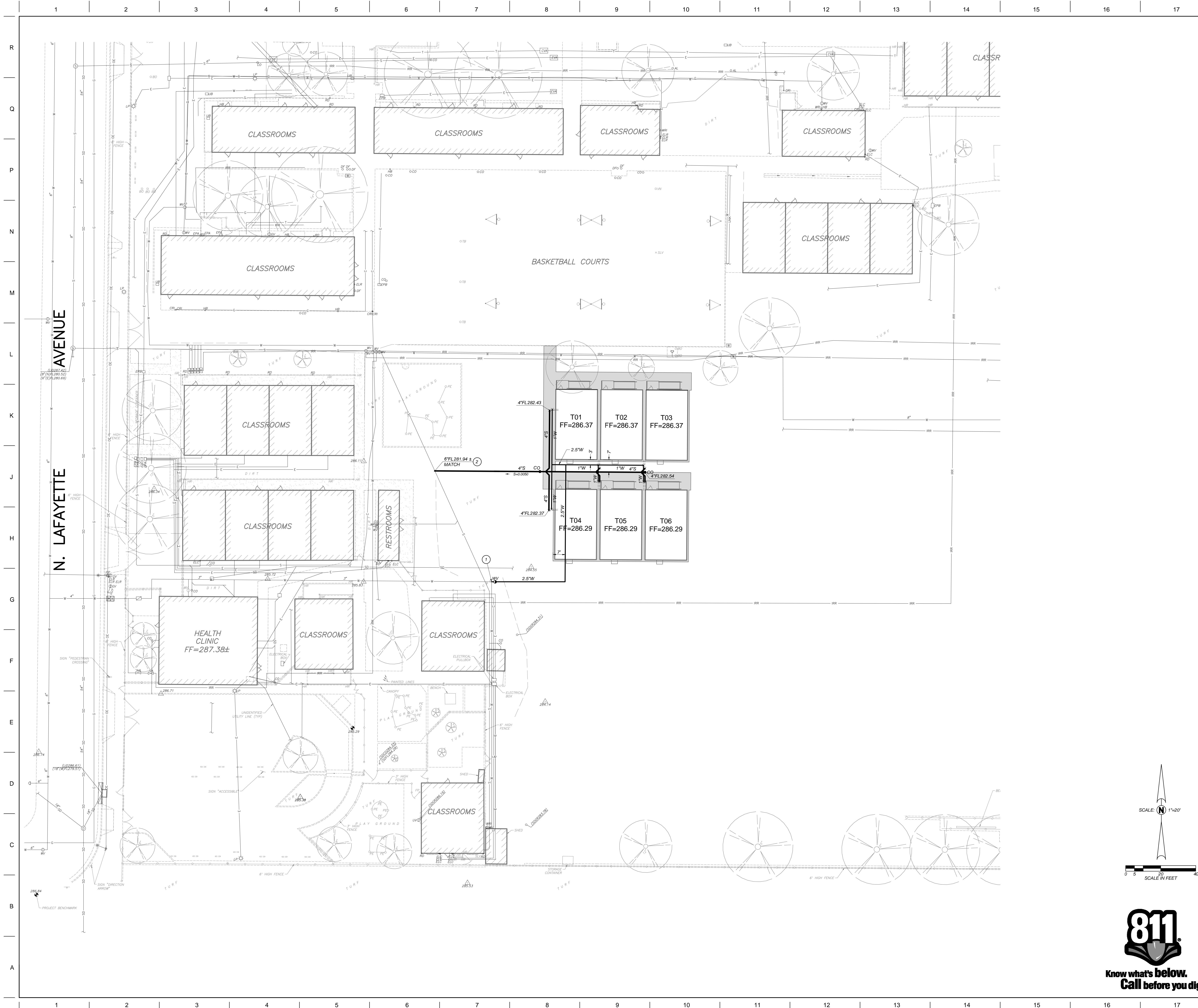


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DSA File No.:  
10-48

DSA Application No.:  
02-118888

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REVIEWED FOR  
SS ☒ FLS ☒ ACS ☒

Agency Approval

UTILITY LEGEND:

<b>6" S</b>	SDR-35 PIPE SEWER MAIN, SIZE AS NOTED ON PLANS PIPE BEDDING AND BACKFILL PER DETAIL [E/SXD101]
<b>6" W</b>	CLASS 200 PVC WATER MAIN, SIZE AND FITTINGS AS NOTED ON PLAN, MIN. 30" COVER, THURST BLOCKS PER DETAIL [F/SXD101], PIPE BEDDING AND BACKFILL PER DETAIL [E/SXD101]
<b>FF</b>	FINISHED FLOOR
<b>FL</b>	FLOWLINE
<b>● CO</b>	SEWER CLEANOUT PER DETAIL [D/SXD101]
<b>● WV</b>	WATER VALVE PER [C/SXD101]
<b>×</b>	POINT OF CONNECTION TO EXISTING OR PROPOSED UTILITY. COORDINATE WITH PLUMBING PLANS PRIOR TO CONNECTION.
<b>S=0.0020</b>	FLOWLINE SLOPE AND DIRECTION OF FLOW
<b>①</b>	CONNECT TO EXISTING WATER LINE WITH WATER-TIGHT CONNECTION. VERIFY DEPTH, SIZE, AND LOCATION.
<b>②</b>	CONNECT TO EXISTING SEWER LINE WITH WATER-TIGHT CONNECTION. VERIFY DEPTH, SIZE, AND LOCATION.

GENERAL SITE UTILITY NOTES:

4. AS FIRST ORDER OF WORK, CONTRACTOR SHALL POTHOLE EXISTING UTILITIES AND NOTIFY ENGINEER IMMEDIATELY OF LOCATIONS, SIZE AND DEPTH.
5. THE CONTRACTOR SHALL FIELD VERIFY THE EXACT LOCATION, SIZE, DEPTH AND TYPE OF ALL EXISTING UTILITIES AND INTERFERENCES SITUATED ALONG THE LINE OF PROPOSED CONSTRUCTION PRIOR TO COMMENCEMENT OF EXCAVATION, FABRICATION, AND INSTALLATION. THE CONTRACTOR SHALL CONSTRUCT ALL IMPROVEMENTS IN SUCH A MANNER AS WILL PROTECT ALL EXISTING UNDERGROUND UTILITIES AND, IN THE EVENT OF ANY CONFLICTS, SHALL NOTIFY THE ENGINEER FOR RESOLUTION.
6. SEE IRRIGATION PLANS FOR PROPOSED IRRIGATION PIPE ALIGNMENT.
7. COORDINATE EXACT POINTS OF CONNECTION TO BUILDING PLUMBING AND NOTIFY THE ENGINEER OF ANY CONFLICT SO THAT ADJUSTMENTS CAN BE MADE IF NEEDED.
8. SAWCUT EXISTING CONCRETE IMPROVEMENTS AS NECESSARY TO INSTALL NEW WATER OR SEWER IMPROVEMENTS. CONSTRUCT NEW CONCRETE IMPROVEMENTS TO MATCH ADJACENT CONCRETE IMPROVEMENTS.
9. INSTALLATION, TYPE, AND MANUFACTURER'S MODELS OF DOMESTIC WATER CLOSURES, INLET VALVES, ELECTRICAL, PLUMBING AND FIRE ALARM/SITE UTILITY SYSTEMS SHALL BE DONE IN STRICT ACCORDANCE WITH GOVERNING AUTHORITY REQUIREMENTS.
10. LAYOUT OF MATERIALS, EQUIPMENT AND SYSTEMS IS GENERALLY DIAGRAMMATICALLY UNSPECIFICALLY DIMENSIONED, SOME WORK MAY BE SHOWN OFFSET FOR CLARITY OF ACTUAL LOCATION. MATERIALS, EQUIPMENT, SPRING FIXTURES, EQUIPMENT, SUPPORTS, ETC., SHALL BE CAREFULLY PLANNED PRIOR TO INSTALLATION OF ANY WORK TO AVOID ALL INTERFERENCES WITH EACH OTHER AND WITH STRUCTURAL, ELECTRICAL, PLUMBING AND FIRE ALARM/ SITE UTILITY ARCHITECTURAL OR ANY OTHER ELEMENTS. ALL CONFLICTS SHALL BE CALLED TO THE ATTENTION OF THE ARCHITECT AND THE ENGINEER PRIOR TO THE INSTALLATION OF ANY WORK OR THE ORDERING OF ANY EQUIPMENT.
11. ANY INSPECTION TO BE MADE BY THE AUTHORITY HAVING JURISDICTION SHALL REQUIRE A MINIMUM OF 24 HOUR NOTICE.
12. PURITY TESTS ARE REQUIRED ON ALL WATER SYSTEM INSTALLATIONS. CONTRACTOR TO COORDINATE WITH THE AUTHORITY HAVING JURISDICTION.
13. IF THE TOP OF THE STEM OF ANY WATER GATE VALVE IS DEEPER THAN 4' BELOW FINISHED PAVEMENT GRADE, THE CONTRACTOR SHALL INSTALL A STEM EXTENSION SO THAT THE TOP OF THE STEM, WITH EXTENSION, SHALL BE NO DEEPER THAN 4' NOR MORE THAN 1' BELOW FINISHED GRADE.
14. BACKFILL UTILITY TRENCHES PER DETAIL [E5SD/0107].
15. ADJUST EXISTING UTILITY LIDS TO FINISHED GRADE PER UTILITY COMPANY STANDARDS AND DETAIL 0101 AND INSTALL TRAFFIC RATED LIDS WHERE LOCATED IN A TRAFFIC AREA.

### General Notes

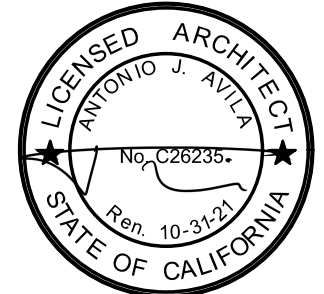


Consultant

*Addams Elementary School Interim Housing*  
*Fresno Unified School District*  
 2117 W McKinley Ave. Fresno, Ca 93728 Project

## UTILITY PLAN

## Drawing

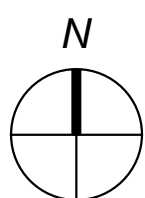


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No.	Revision/Submission	Date
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Project Number: 1725.3	Checked By: LRB	
Date: 2/8/2021	Reviewed By: JDB	Sheet: _____ of: _____

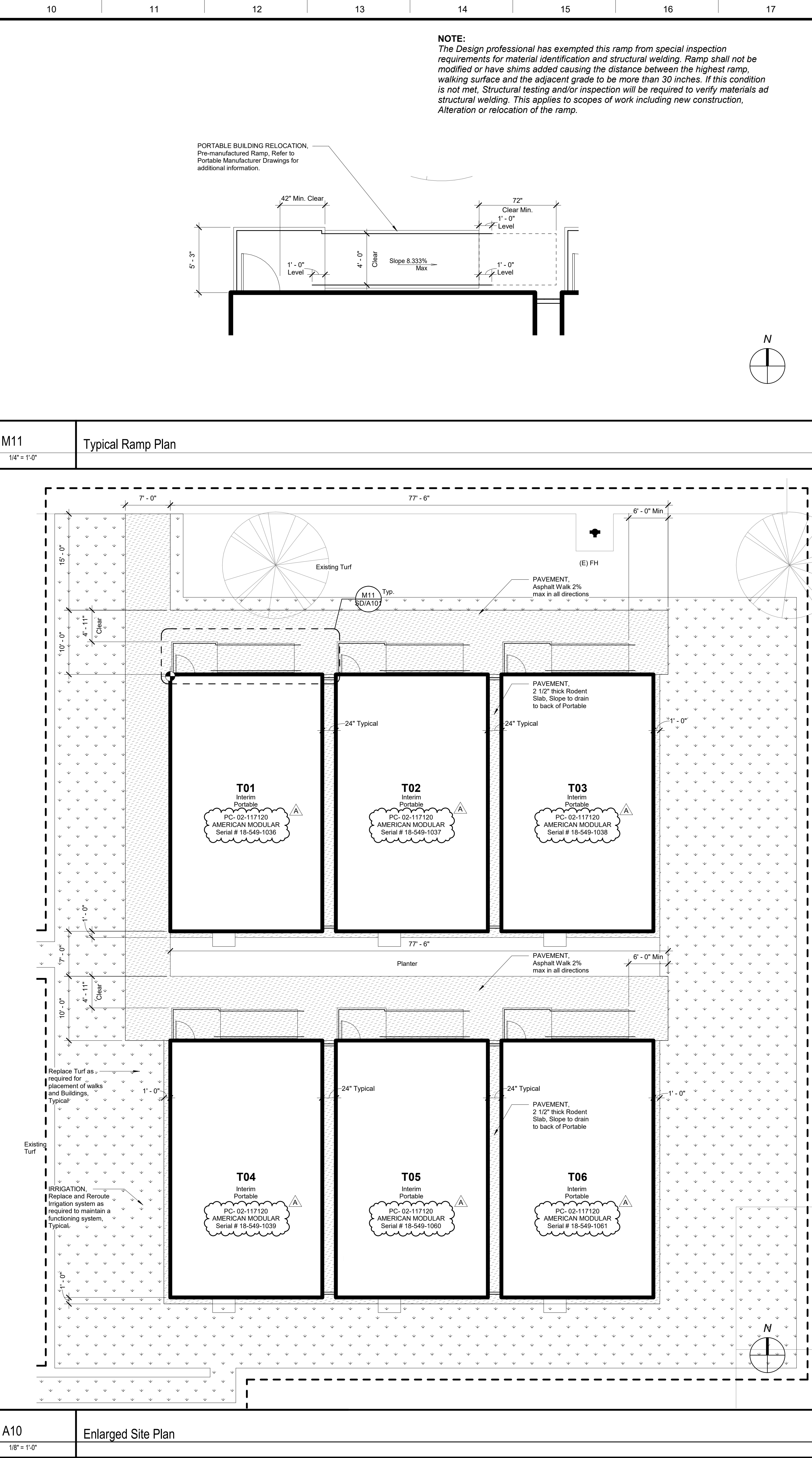
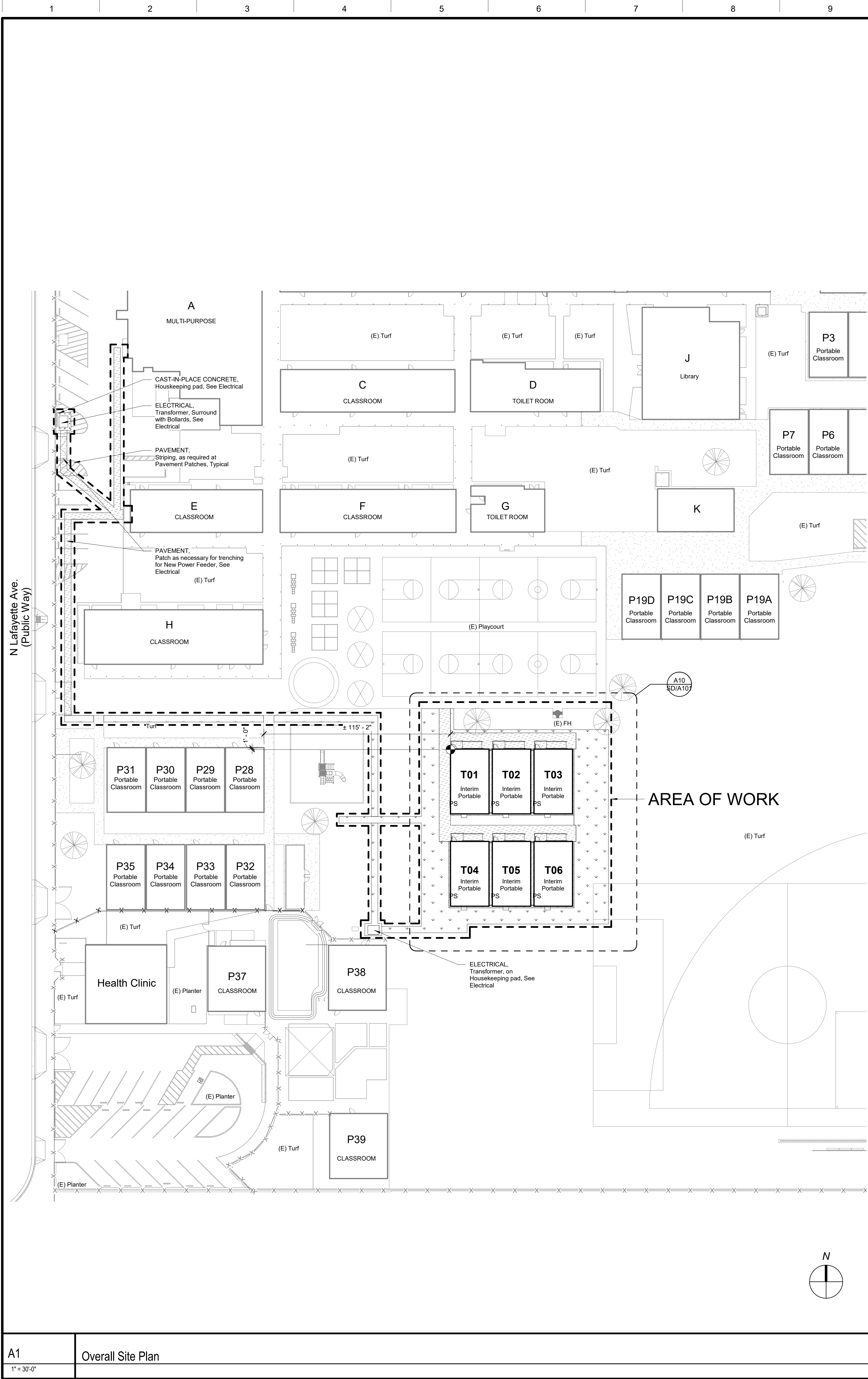
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Scale: 1" = 30'-0"	Drawn By:	SD/A100	
Project Number: 1725.3	Checked By:		
Date: 01/27/21	Reviewed By:		
		Sheet: _____	of: _____





DSA File No.: 10-48

DSA Application No.: 02-118888

Agency Approval

**SYMBOLS**

PAVEMENT, Asphalt Concrete, See CIVIL

CAST-IN-PLACE CONCRETE, Site Walk, See CIVIL

LANDSCAPE PLANTING, Turf

Building Outline

Property Line

Limits of Construction (Project Area)

(E) CHAIN-LINK, Fence

Pipe/Utility

Covered Area

PVC Irrigation Sleeve

Grade Break

Existing

Drainage Swale

General Direction of Slope

ELECTRICAL, Existing Light Pole

Opening Group No. Refer to Door or Window Opening Schedules

Reference Point

Finish Grade Contour

CB

DB

DI

TD

FH

FDC

FIRE PROTECTION, Fire Department Connection (Siamese)

FIRE PROTECTION, Post Indicator Valve

PLUMBING, Clean Out

CIVIL, Sewer Clean Out

PLUMBING, Shut Off Valve

ELECTRICAL, Pole Light Fixture

ELECTRICAL, Bollard Light Fixture

ELECTRICAL, Light Fixture, Directional

ELECTRICAL & MECHANICAL, Utility Box

**ABBREVIATIONS**

(E) Existing

AC Air Conditioning System

AD Area Drain, (See Plumbing)

BW Back of Walk

C Concrete

CB Catch Basin

CJ Control Joint

CM Communications

COB Clean Out Box

CW Cold Water

DB Drain Box

DI Drain Inlet

DS Drainage Swale

EMS Energy Management System

E Electrical Power

E.I. Expansion Joint, 1/2"

F Fire Protection

FD Floor Drain

FDC Fire Dept Connection

FF Finish Floor

FG Finish Grade

FL Flow Line

FMFCD Fresno Metropolitan Flood Control District

FS Floor Sink

G Gas

GT Gutter

GB Grade Break

HG Rough Grade

HPG High Pressure Gas

HL Hydronics Line

INV N Invert North

INV NE Invert Northeast

MS Manhole

MS Mow Strip

OC On Center

P Pavement

P Electrical Utility Box

P1-P4 Electrical Utility Valve

PL Planter

R Radius

RWL Rain Water Leader

SD Storm Drain

SL Site Lighting

SS Sanitary Sewer

TB Top of Bench

TC Top of Curb

TD Trench Drain

TG Top of Grate

TF Top of Fence

TL Top of Lid

TLB Top of Light Base

TW Top of Wall

Typ. Typical

UNO Unless Noted Otherwise

VG Valley Gutter

W Waste

**NOTES**

1) CAST-IN-PLACE CONCRETE, All Concrete Walk Joints Shall Be Control Joints unless otherwise noted. Provide Expansion Joints where walk abuts other site elements

2) STORM DRAINAGE, PVC IRRIGATION SLEEVE Schedule, See CIVIL

3) PLUMBING, See Plumbing Drawings

4) ELECTRICAL, See Electrical Drawings

5) Refer to CIVIL for Vertical Controls and Grading

6) Once the Owner has deemed the Interim Housing as no longer needed, the Contractor Shall be responsible for removal of all Pavement, replacement of Turf, and rerouting irrigation system. Leased Portables shall be removed by Portable Manufacturer.

**G18 Site Plan Legend**

No Scale

**Addams Elementary School Interim Housing**  
Fresno Unified School District  
2117 W McKinley Ave, Fresno, CA 93726

Site Development  
OVERALL SITE PLAN

Drawing

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ARCHITECT

**No. Revision/Submission Date**

A Revision #1 04/12/21

**Revision**

Designed By: TA/AC Copyright © 2020 Darden Architects

Scale: As indicated Drawn By: BY

Project Number: 1725.3 Checked By: AC

Date: 04/12/21 Reviewed By: TA

Sheet: \_\_\_\_\_ of: \_\_\_\_\_

**SD/A101**



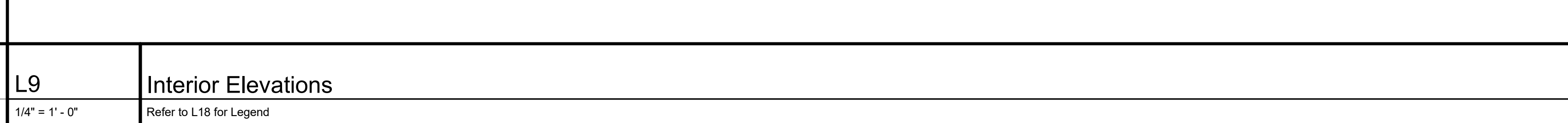
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V18\_andrewc@dardenarchitects.com.rvt



MOUNTING CONDITION		MOUNTING LOCATION	
<ol style="list-style-type: none"> <li>1. Metal Stud Framed Wall</li> <li>2. Wood Stud Framed Wall</li> <li>3. Concrete and Concrete Masonry</li> <li>4. Glass</li> <li>5. Door</li> <li>6. See Plan</li> </ol>			
SIGN MATERIAL			
A	= Acrylic		
EM	= Exterior Metal		
IM	= Interior Metal		
P	= Exterior Plastic		
IP	= Interior Plastic		
D	= Decal		

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	1	2	3	4	5	6	7	8
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4'-0" Clear Typical

TEMPORARY CLASSROOM T1

TEMPORARY CLASSROOM T2

TEMPORARY CLASSROOM T3

FIRE PROTECTION SPECIALTIES, Bracket and Extinguisher

FIRE PROTECTION SPECIALTIES, Bracket and Extinguisher

FIRE PROTECTION SPECIALTIES, Bracket and Extinguisher

A5 P/A100 Typ

T1a

T1b

T2a

T2b

T3a

T3b

4'-0" Clear Typical

The floor plan shows a rectangular building divided into three main sections by two vertical corridors. Each section contains a large rectangular room labeled 'TEMPORARY CLASSROOM' (T4, T5, and T6 respectively) and a smaller rectangular room labeled with a rest symbol and a number (T4b, T5b, and T6b respectively). The classrooms are arranged in a row, separated by the corridors. A central corridor runs horizontally through the middle of the building, with a door labeled 'A5 PJA100 TYP' located in the center of this corridor. A north arrow is located to the right of the plan, pointing upwards.

9	10	11	12	13	14	15	16	17
---	----	----	----	----	----	----	----	----

	L18	Interior Elevation legend
	No Scale	

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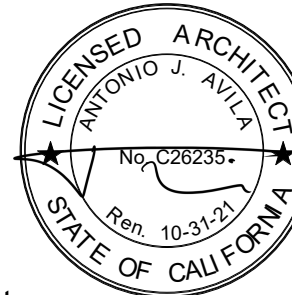
## ABBREVIATIONS

DS	Downspout
FF	Face of Finish
FOC	Face of Concrete
FD	Floor Drain
PH	Flag Holder
FOM	Face of Masonry
FOS	Face of Stud
FS	Floor Sink
HB	Hose Bib
MO	Masonry Opening
PS	Pencil Sharpener
UNO	Unless Noted Otherwise
RO	Rough Opening
YCT	RESILIENT FLOORING, Vinyl Composition Tile
Typ.	Typical
Sim.	Similar
OH	Opposite Hand
WB-1	FIRE PROTECTION SPECIALTIES, Fire Extinguisher and Bracket

---

## NOTES

1. IDENTIFYING DEVICES, For Room Signature refer to A1  
PIA100 and Specifications
2. Refer to Portable Manufacturer Drawings for Additional information.

<h2 style="margin: 0;">Addams Elementary School Interim Housing</h2> <p style="margin: 0;">Fresno Unified School District          2117 W McKinley Ave, Fresno, CA 93728</p>			Project <div style="background-color: black; height: 1.2em; width: 100%;"></div>
<h3 style="margin: 0;">Temporary Portable Classrooms</h3> <p style="margin: 0;">FLOOR PLAN, TYPICAL INTERIOR ELEVATIONS, SIGNANGE          SCHEDULE AND DETAILS</p>			Drawing <div style="background-color: black; height: 1.2em; width: 100%;"></div>
		<b>ARCHITECTURE</b> <b>PLANNING</b> <b>INTERIORS</b> <a href="http://www.dardenarchitects.com">www.dardenarchitects.com</a>	
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Project Number: 1725.3	Drawn By:	<div style="font-size: 2em; font-weight: bold; margin: 0;">P/A100</div>	
Date: 01/27/21	Checked By:		
Reviewed By:	Sheet: _____ of: _____		







**PIPING, DUCTWORK AND ELECTRICAL DISTRIBUTION SYSTEM BRACING NOTE:**

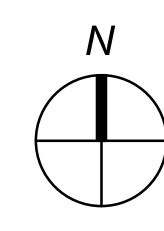
PIPING, DUCTWORK, AND ELECTRICAL DISTRIBUTION SYSTEMS SHALL BE BRACED TO COMPLY WITH THE FORCES AND DISPLACEMENTS PRESCRIBED IN ASCE 7-16 SECTION 13.3 AS DEFINED IN ASCE 7-16 SECTION 13.6.5, 13.6.6, 13.6.7, 13.6.8; AND 2019 CBC, SECTIONS 1671A.124, 1671A.1.25 AND 1671A.1.26.

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., OSHDP OPM FORM 2013 CBC OR LATER), 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):**

**MP □ MD □ PP □ OPTION 1:** DETAILED ON THE APPROVED DRAWINGS WITH PROJECT SPECIFIC NOTES AND DETAILS.

**MP □ MD □ PP □ OPTION 2:** SHALL COMPLY WITH THE APPLICABLE OSHDP PRE-APPROVAL MASON WEST OPM #00043-13.

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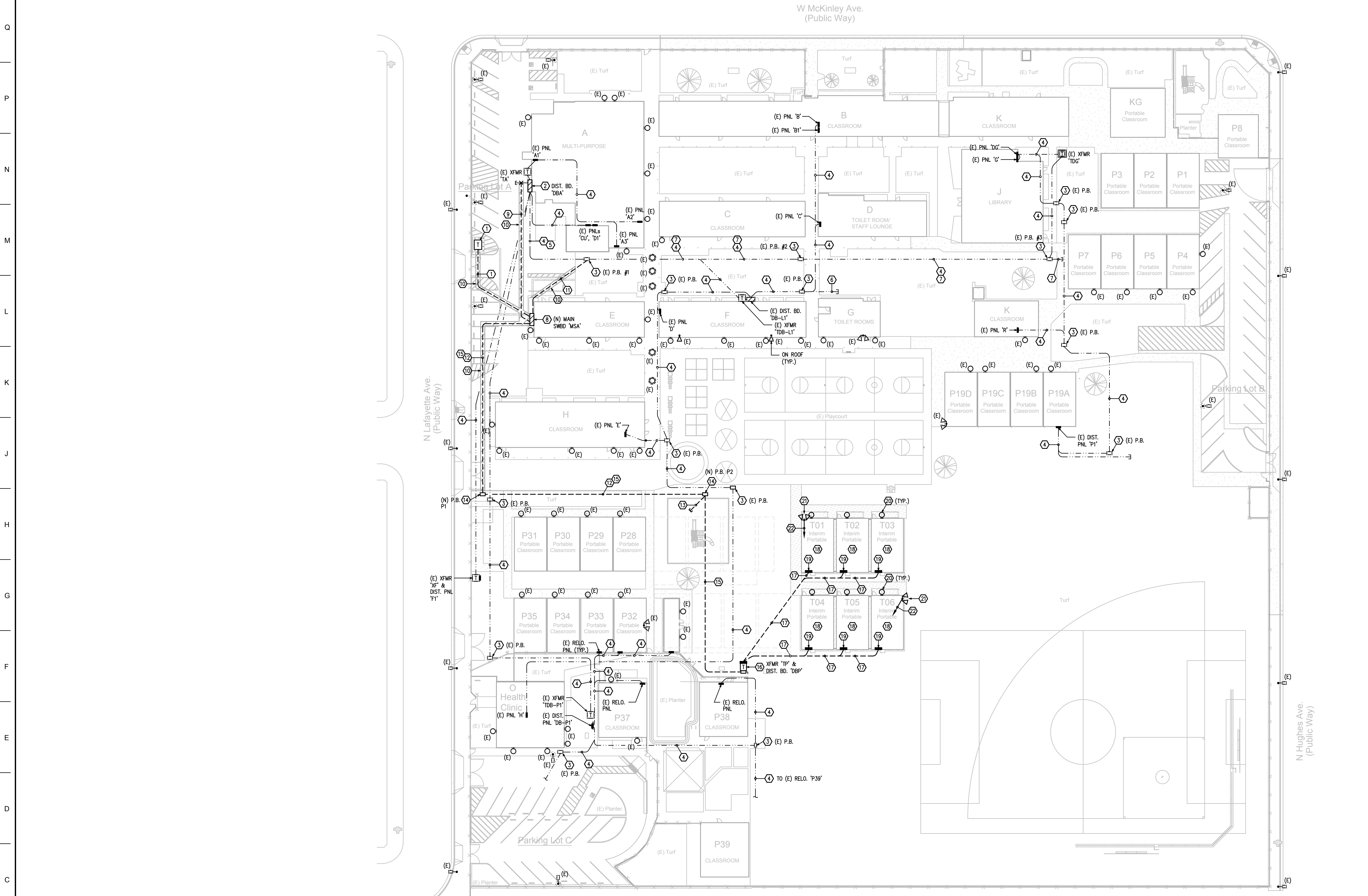








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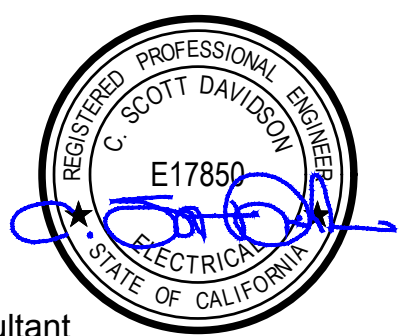
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### KEYNOTES

1. NEW UTILITY TRANSFORMER, PAD, AND SECONDARY FEEDERS PER PG&E SPECS. DEFERRED SUBMITTAL SHALL BE REVIEWED BY DSA PRIOR TO INSTALLATION.
2. CHANGE EXISTING MAIN SWITCHBOARD 'MSB' TO DISTRIBUTION BOARD 'DB'. SEE POWER SINGLE LINE DIAGRAM A11XE103.
3. EXISTING POWER PULLBOX.
4. EXISTING POWER FEEDER(S).
5. EXISTING (2) 4"C. SPARE AND 2 1/2"C. SPARE.
6. EXISTING (2) 2 1/2"C. SPARE.
7. EXISTING (2) 4"C. SPARE AND (2) 2 1/2"C. SPARE.
8. NEW MAIN SWITCHBOARD 'MSA'. SEE DETAIL H101XE102 AND POWER SINGLE LINE DIAGRAM A11XE103.
9. INTERCEPT EXISTING (2) 5"C. PULL NEW POWER FEEDER PER POWER SINGLE LINE DIAGRAM A11XE103.
10. SAW-CUT AND PATCH EXISTING AC PAVING.
11. (2) 2 1/2"C. SPARE.
12. (2) 4"C. SPARE.
13. 4"C. SPARE.
14. B3042 POWER PULLBOX WITH TRAFFIC H20 COVER.
15. POWER FEEDER PER POWER SINGLE LINE DIAGRAM A11XE103.
16. TRANSFORMER 'TP', CONCRETE PAD, AND DISTRIBUTION BOARD 'DBP'. SEE DETAIL A51XE101 AND POWER SINGLE LINE DIAGRAM A11XE103.
17. RELO BUILDING POWER FEEDER(S). CONNECT TO EACH RELO BUILDING POWER PANEL. SEE POWER SINGLE LINE DIAGRAM A11XE103.
18. ASSEMBLE RELO BUILDING. RECONNECT POWER AND LIGHTING SYSTEMS SEPARATED PRIOR TO TRANSPORT. PROVIDE INTERIOR ELECTRICAL IMPROVEMENTS PER RELO BUILDING ELECTRICAL PLAN H11PE101. PROVIDE FIRE ALARM SYSTEM PER FIRE ALARM PLANS.
19. CONNECT RELO BUILDING POWER PANEL. GROUND PANEL AND BUILDING PER DETAIL A11XE101, E11XE101, J50XE101.
20. BUILDING EXTERIOR LIGHT PREINSTALLED BY BUILDING MANUFACTURER. SEE BUILDING MANUFACTURER SHEET E1.
21. (2) COOPER LIGHTING #XTOR-B-W-XTORFLD-KNC-XTORFLD-TBN WITH MAST ARM KIT AND CROSS-BAR AT ROOF (" MATCH COLOR OF EXISTING SITE POLES). CONNECT TO CIRCUIT SPECIFIED IN KEYNOTE 22.
22. 1"C. 2#10, 1#10G. HOMERUN TO RELO BUILDING 'T04' PANEL. PROVIDE 20A 1-POLE CIRCUIT BREAKER, 30A LIGHTING CONTRACTOR, AND EMS CONTROLLER AT BUILDING INTERIOR. SEE DETAIL H141XE102.

### General Notes

**HD**  
**Hardin-Davidson Engineering**  
356 Pollasky Ave., Suite 200, Clovis, CA 93616  
559.323.4995 tel • 559.323.4928 fax  
www.hardin-davidson.com



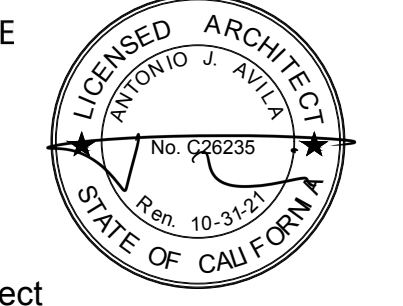
Consultant

**Addams Elementary School Interim Housing**  
Fresno Unified School District  
2117 W McKinley Ave, Fresno, CA 93728  
Project

**Site Development**  
Site Electrical Plan

Drawing

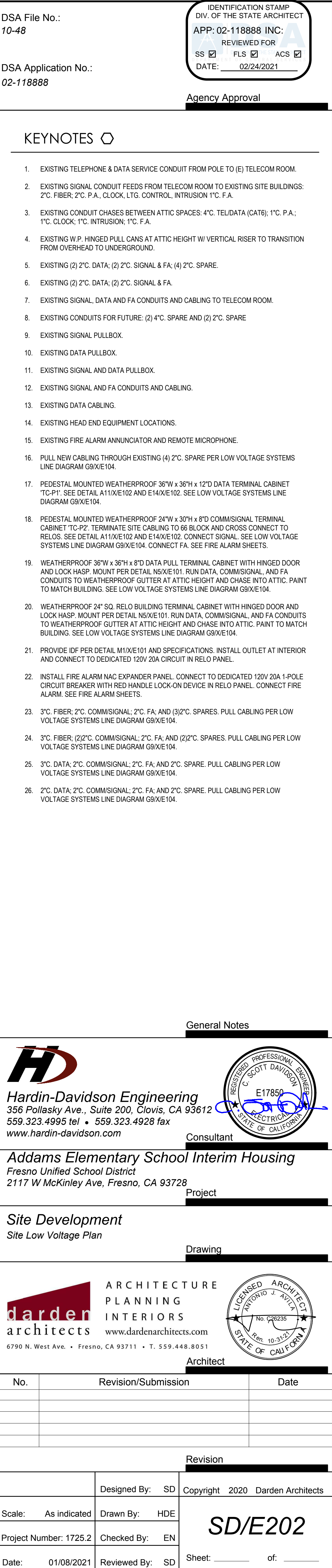
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Date: 01/08/2021	Reviewed By: SD	
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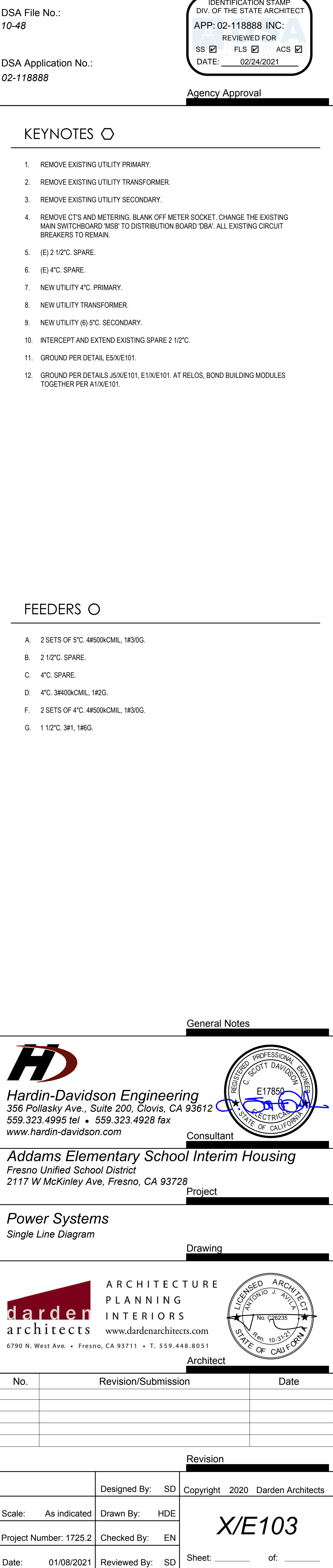






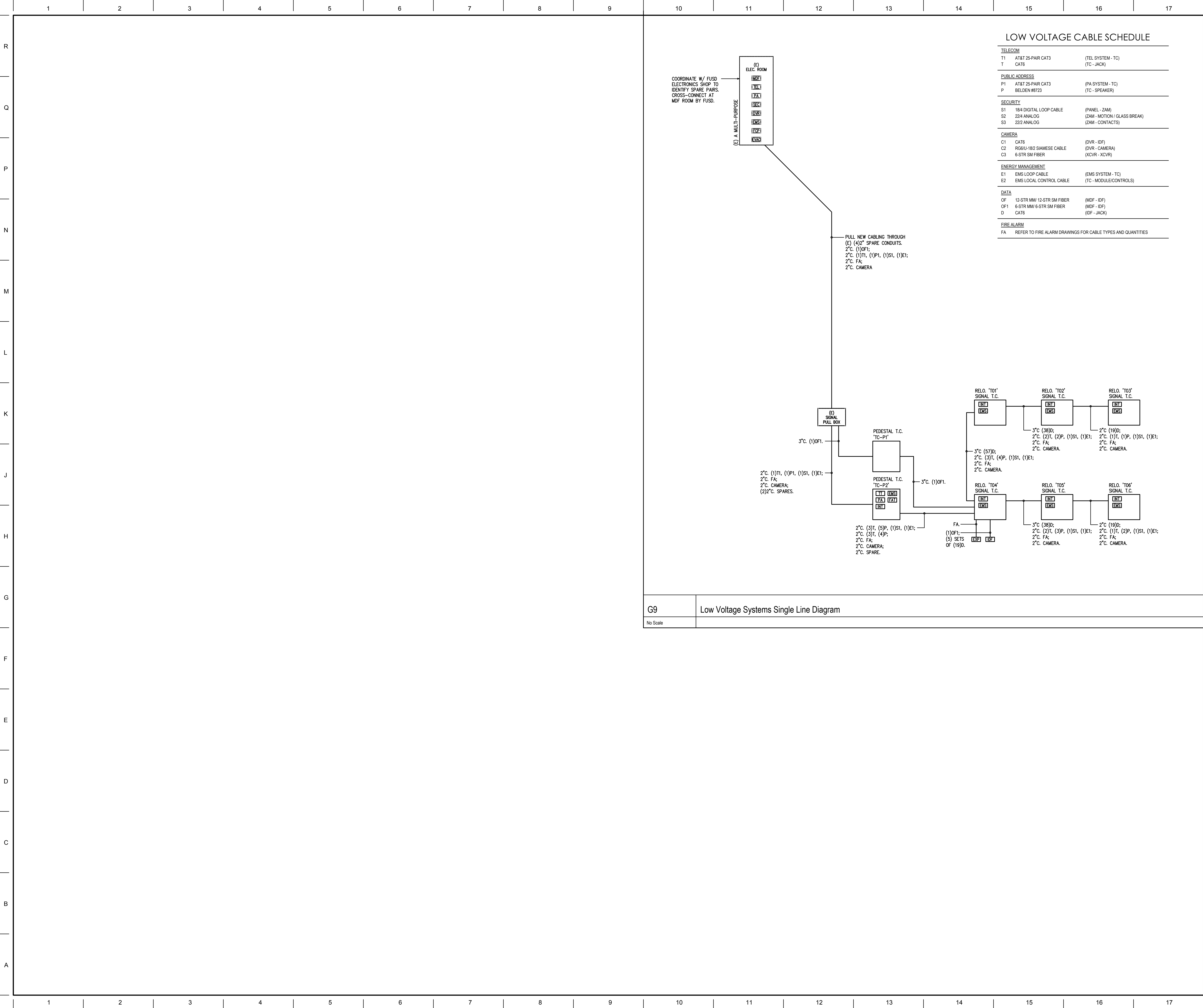








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G9	Low Voltage Systems Single Line Diagram
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LOW VOLTAGE CABLE SCHEDULE

TELECOM		
T1	AT&T 25-PAIR CAT3	(TEL SYSTEM - TC)
T	CAT6	(TC - JACK)
PUBLIC ADDRESS		
P1	AT&T 25-PAIR CAT3	(PA SYSTEM - TC)
P	BELDEN #8723	(TC - SPEAKER)
SECURITY		
S1	18/4 DIGITAL LOOP CABLE	(PANEL - ZAM)
S2	22/4 ANALOG	(ZAM - MOTION / GLASS BREAK)
S3	22/2 ANALOG	(ZAM - CONTACTS)
CAMERA		
C1	CAT6	(DVR - IDF)
C2	RG6U-18/2 SHIMASE CABLE	(DVR - CAMERA)
C3	6-STR SM FIBER	(XCVR - XCVR)
ENERGY MANAGEMENT		
E1	EMS LOOP CABLE	(EMS SYSTEM - TC)
E2	EMS LOCAL CONTROL CABLE	(TC - MODULE/CONTROLS)
DATA		
OF	12-STR MM/ 12-STR SM FIBER	(MDF - IDF)
OF1	6-STR MM/ 6-STR SM FIBER	(MDF - IDF)
D	CAT6	(IDF - JACK)
FIRE ALARM		
FA	REFER TO FIRE ALARM DRAWINGS FOR CABLE TYPES AND QUANTITIES	

DSA File No.:  
10-48

DSA Application No.:  
02-118888

IDENTIFICATION STAMP  
DIV. OF THE STATE ARCHITECT  
APP: 02-118888 INC:  
REVIEWED FOR  
SS ☒ FLS ☒ ACS ☒  
DATE: 02/24/2021

Agency Approval

General Notes

**Hardin-Davidson Engineering**  
356 Pollasky Ave., Suite 200, Clovis, CA 93612  
559.323.4995 tel • 559.323.4928 fax  
www.hardin-davidson.com

**Consultant**

**Addams Elementary School Interim Housing**  
Fresno Unified School District  
2117 W McKinley Ave, Fresno, CA 93728

**Project**

**Electrical Systems**  
Low Voltage Systems Single Line Diagram

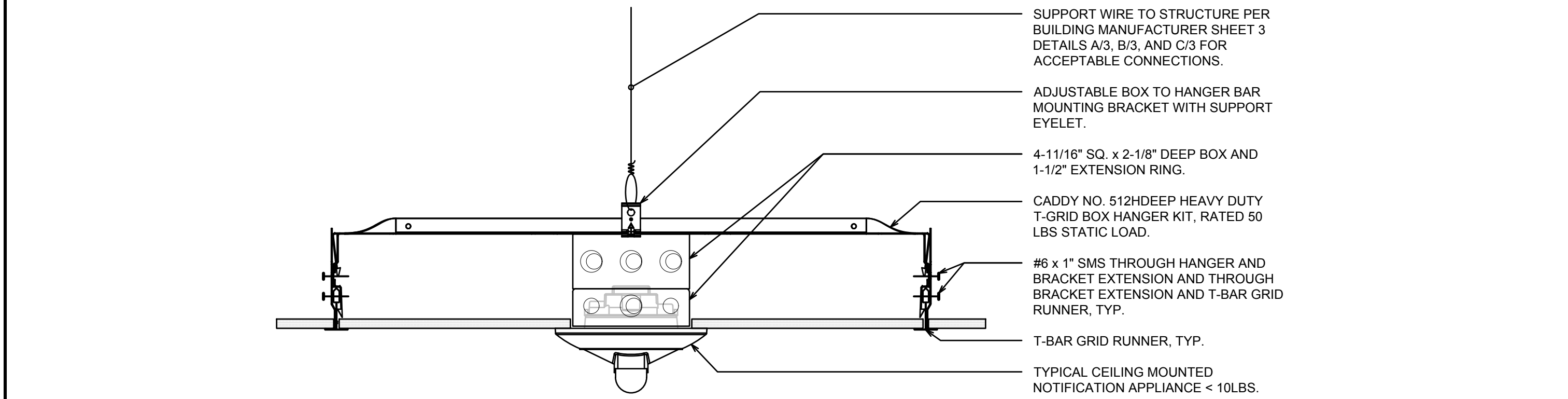
**Drawing**

**darden architects**  
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PLANNING  
INTERIORS  
www.dardenarchitects.com  
6790 N. West Ave. • Fresno, CA 93711 • T. 559.448.8051

**Architect**

No.	Revision/Submission	Date
Revision		
	Designed By: SD	Copyright 2020 Darden Architects
Scale: As indicated	Drawn By: HDE	X/E104
Project Number: 1725.2	Checked By: EN	
Date: 01/08/2021	Reviewed By: SD	
		Sheet: _____ of: _____





- EVERY NEW FIRE ALARM SYSTEM SHALL PROVIDE A DOCUMENTATION CABINET, INSTALLED AT THE SYSTEM CONTROL PANEL OR OTHER APPROVED LOCATION.
- THE DOCUMENTATION CABINET SHALL BE PROMINENTLY LABELED, "FIRE ALARM SYSTEM RECORD DOCUMENTS".
- ALL RECORD AND TESTING DOCUMENTATION SHALL BE STORED IN THE CABINET.
- CONTENTS SHALL BE ACCESSIBLE BY AUTHORIZED PERSONNEL ONLY.
- WHERE CABINET IS INSTALLED IN A LOCATION OTHER THAN THE SYSTEM CONTROL UNIT, ITS LOCATION SHALL BE IDENTIFIED AT THE SYSTEM CONTROL UNIT.

PROVIDE SYSTEM DOCUMENTS AS APPLICABLE:

- RECORD DRAWINGS/AS-BUILTS
- EQUIPMENT CUT SHEETS & C&SM LISTINGS
- ALTERNATIVE MEANS AND METHODS
- PERFORMANCE BASED DESIGN DOCUMENTATION (NFPA 72, 7.3.7)
- SYSTEM RECORD OF COMPLETION & ANY SUPPLEMENTAL INSPECTION AND TESTING DOCUMENTATION (NFPA 72, 7.8.2)
- EMERGENCY RESPONSE PLAN (NFPA 72, 7.3.8)
- EVALUATION DOCUMENTATION (NFPA 72, 7.3.9)
- RISK ANALYSIS DOCUMENTATION (NFPA 72, 7.3.6)
- SOFTWARE & FIRMWARE CONTROL DOCUMENTATION (NFPA 72, 23.2.2)

## No Scale

No.	Revision/Submission	Date
Revision		
	Designed By: SD	Copyright 2020 Darden Architects
Scale: As indicated	Drawn By: HDE	<i>X/E201</i>
Project Number: 1725.2	Checked By: EN	
Date: 01/08/2021	Reviewed By: SD	
		Sheet: _____ of: _____



## POWER REQUIREMENTS

MINIMUM BATTERY CAPACITY (includes 25% safety factor) =	7 AHr
---	-------

VD = Voltage Drop [V]  
 I = Current [A] (0.697A)  
 K = 11 (Copper Constant)  
 L = Distance to Load [ft.] (378')  
 CM = Circular Mils (#12 AWG = 6530)  
 V = Voltage [V] (24VDC)  

$$VD = \frac{K \cdot I^2 \cdot 2L}{CM} = \frac{11 \cdot 0.697^2 \cdot 2 \cdot 378'}{6530} = 0.888 \text{ V}$$

$$VD\% = \frac{VD}{24} = 3.7\%$$



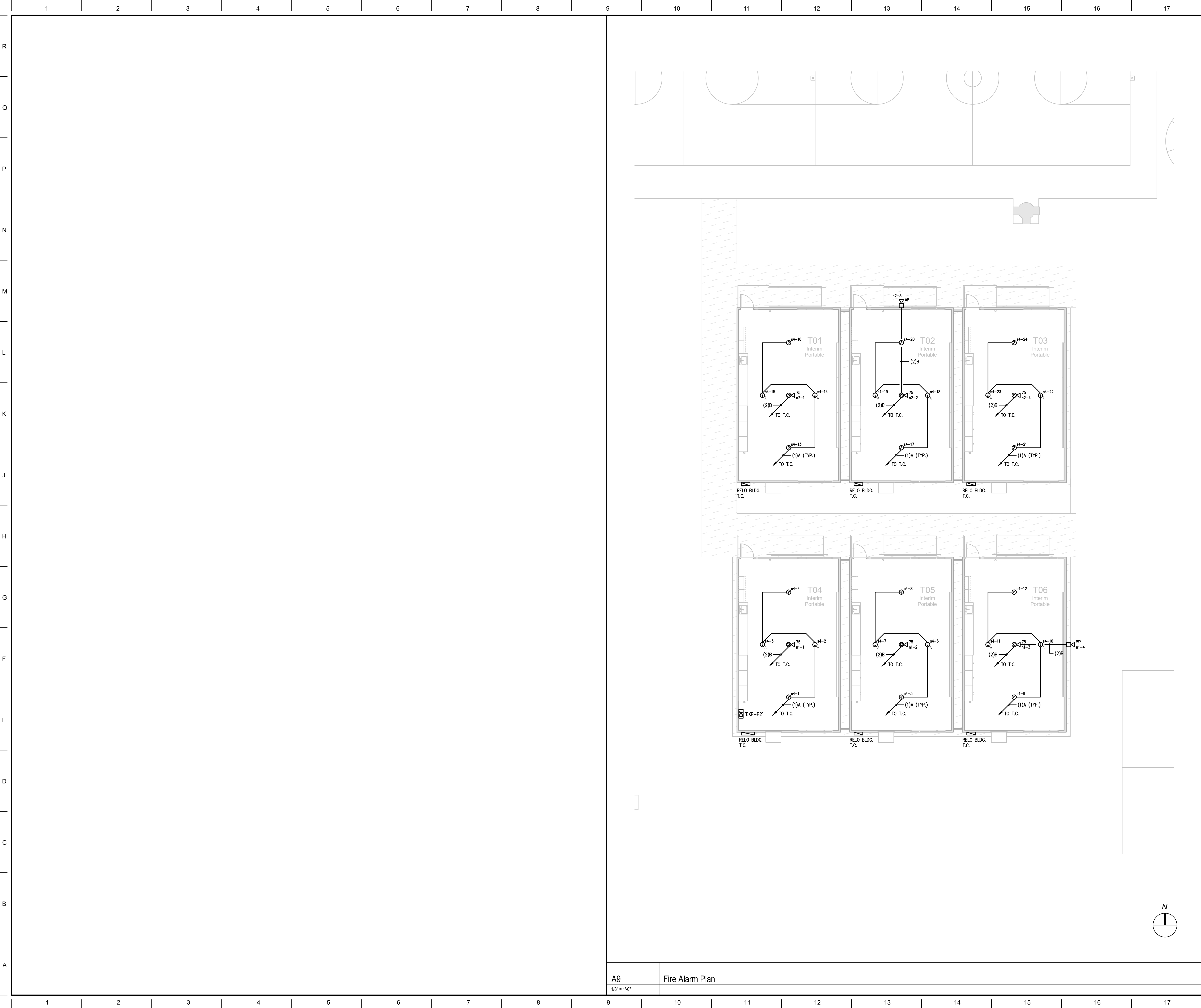
No.	Revision/Submission	Date
		Revision
	Designed By: SD	Copyright 2020 Darden Architects
Scale: As indicated	Drawn By: HDE	<div style="font-size: 2em; font-weight: bold; text-align: center;">X/E202</div>
Project Number: 1725.2	Checked By: EN	
Date: 01/08/2021	Reviewed By: SD	
		Sheet: _____ of: _____







Z:\Clients\Garden Architects\2087 - Addams ES Interim Housing\CAD Files\2087 - Electrical\_backcheck.dwg  
2/10/2021 6:06:00 PM



A9  
1/8" = 1'-0"  
Fire Alarm Plan

DSA File No.:  
10-48

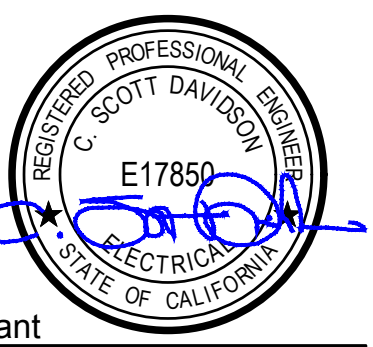
DSA Application No.:  
02-118888

IDENTIFICATION STAMP  
DIV. OF THE STATE ARCHITECT  
APP: 02-118888 INC:  
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SS ☒ FLS ☒ ACS ☒  
DATE: 02/24/2021

Agency Approval

General Notes

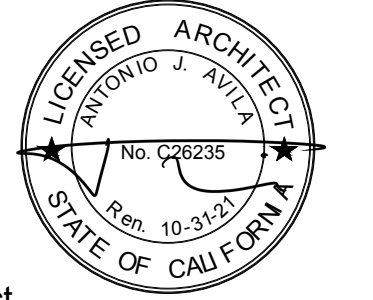
**Hardin-Davidson Engineering**  
356 Pollasky Ave., Suite 200, Clovis, CA 93612  
559.323.4995 tel • 559.323.4928 fax  
www.hardin-davidson.com  
Consultant



**Addams Elementary School Interim Housing**  
Fresno Unified School District  
2117 W McKinley Ave, Fresno, CA 93728  
Project

**Temporary Portable Classrooms**  
Fire Alarm Plan  
Drawing

**darden architects** ARCHITECTURE  
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Architect



No.	Revision/Submission	Date
Revision		
	Designed By: SD	Copyright 2020 Darden Architects
Scale: As indicated	Drawn By: HDE	<b>P/E102</b>
Project Number: 1725.2	Checked By: EN	
Date: 01/08/2021	Reviewed By: SD	
		Sheet: _____ of: _____





American Modular Systems

## MMM STOCKPILE (200) 24' x 40' BUILDINGS

SERIAL NUMBERS: 18-549-871 - 1070

### MODULAR MANUFACTURER PROPRIETARY STATEMENT

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PRE-CHECKED SET NAME

### 24'x40' STANDARD MODULAR BUILDINGS

SITE SPECIFIC PROJECT NAME

### MMM STOCKPILE (200) 24'x40' BUILDINGS

SHEET TITLE

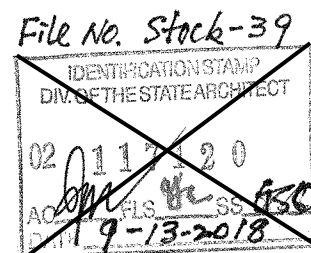
### TYPICAL FLOOR PLAN

MANUFACTURER PROFESSIONAL OF RECORD ON PC



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

PROJECT SPECIFIC STATE AGENCY APPROVAL



ACS: Alex Eliscas  
PLS: Greg Cobabe  
SSS: Gina-Song Chang

ORIGINAL PC STATE AGENCY APPROVAL

### REVISIONS

DRAWN BY: JDB

SCALE: AS NOTED

DATE: 09/11/2018

SHEET NUMBER

TS

RV-1 PCX01

### APPLICABLE CODES

#### PARTIAL LIST OF APPLICABLE CODES AS OF JANUARY 1, 2017

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

#### PARTIAL LIST OF APPLICABLE STANDARDS

- |           |   |              |
|-----------|---|--------------|
| NFPA 13   | AUTOMATIC SPRINKLER SYSTEM                                  | 2016 EDITION |
| NFPA 14   | STANDPIPE AND HOSE SYSTEMS                                  | 2013 EDITION |
| NFPA 17   | DRY CHEMICAL EXTINGUISHING SYSTEMS                          | 2013 EDITION |
| NFPA 17A  | WET CHEMICAL EXTINGUISHING SYSTEMS                          | 2013 EDITION |
| NFPA 20   | STATIONARY PUMPS  | 2016 EDITION |
| NFPA 24   | PRIVATE FIRE MAINS  | 2016 EDITION |
| NFPA 72   | NATIONAL FIRE ALARM AND SIGNALING CODE (CALIFORNIA AMENDED) | 2016 EDITION |
|           | (NOTE: SEE UL, STANDARD 1971 FOR "VISUAL DEVICES")          |              |
| NFPA 253  | CRITICAL RADIANT FLUX OF FLOOR COVERING SYSTEMS             | 2015 EDITION |
| NFPA 2001 | CLEAN AGENT FIRE EXTINGUISHING SYSTEMS                      | 2015 EDITION |

### GENERAL NOTES

- PC BUILDING CLASSIFIED AS OCCUPANCY "A" WITH OCCUPANT LOAD 100 OR MORE CANNOT BE REVIEWED OVER THE COUNTER (OTC).
- PC BUILDING APPROVED ONLY FOR OCCUPANCY "E" OR "B", OR "A" CATEGORY I & II, WITH AN OCCUPANT LOAD LESS THAN 250.
- PC BUILDING EXITING IS BASED ON THE USE OR OCCUPANCY AND WILL BE REVIEWED AS SITE SPECIFIC.
- PC BUILDINGS LOCATED IN FIRE HAZARD SEVERITY ZONES PER WILDLAND URBAN INTERFACE FIRE AREAS (WUI) SHALL CONFORM TO CBC CHAPTER 7A. PC IS NOT APPROVED FOR WUI.
- SITE USE SPECIFIC REQUIREMENT FOR AUTOMATIC SPRINKLER SYSTEM MIGHT BE REQUIRED. AUTOMATIC FIRE SPRINKLER REQUIREMENTS ARE NOT INCLUDED IN THIS PC APPROVAL. (NOTE: SEE BUILDING DATA THIS SHEET FOR FIRE SPRINKLER SYSTEM WEIGHT INCLUDED IN BUILDING DESIGN)
- FIRE SERVICE UNDERGROUND SHALL BE REVIEWED AS A SITE SPECIFIC APPLICATION. WATER SUPPLY SHALL BE DESIGNED TO MEET THE PC SPRINKLER DEMAND REQUIREMENTS.
- PROVIDE A SITE SPECIFIC FIRE FLOW LETTER OF CERTIFICATION FROM AN APPROVED WATER PURVEYOR OR LOCAL FIRE AUTHORITY.
- THIS PC PLAN SHALL NOT BE USED TO HOUSE "ROOMS OR AREAS WITH SPECIAL HAZARDS" SUCH AS LABORATORIES, VOCATIONAL SHOPS AND OTHER SUCH AREAS NOT CLASSIFIED AS GROUP 14, LOCATED IN GROUP E OCCUPANCIES.
- A SEPARATE DSA APPLICATION NUMBER IS REQUIRED FOR DESIGN & INSTALLATION OF SOLAR PANEL SYSTEMS, ITS ANCHORAGE & SUPPORT STRUCTURE. (NOTE: SOLAR PANEL SYSTEM WEIGHT NOT INCLUDED IN BUILDING DESIGN)
- SOLAR SYSTEM SUBMITTALS SHALL NOT BE SUBMITTED AS AN OVER-THE-COUNTER SUBMITTAL.
- IF THE STRUCTURE IS LOCATED IN AN AREA WITH LIQUEFIABLE SOIL OR SITE CLASS F, OVER-THE-COUNTER SUBMITTAL IS NOT ALLOWED AND REGULAR PROJECT SUBMITTAL IS REQUIRED. IF THE SITE IS NOT IN A MAPPED LIQUEFACTION HAZARD ZONE, IT MAY BE PRESUMED THAT NO LIQUEFACTION HAZARD EXISTS ON THAT SITE UNLESS A SITE-SPECIFIC GEOTECHNICAL REPORT IDENTIFIES SUCH HAZARD.
- THIS PC BUILDING IS NOT DESIGNED FOR FLOOD HAZARD AREAS.
- THE PLACEMENT OF THE PC BUILDING(S) ON OR ADJACENT TO SLOPES SHALL COMPLY WITH THE 'FOUNDATION CLEARANCES FROM SLOPES' SPECIFICATIONS FOUND ON SHEET N2.0 OF THESE DRAWINGS.
- PC BUILDING SHALL NOT BE PLACED OR BE RELOCATED IN AREAS HAVING A NOISE CONTOUR GREATER THAN OR EQUAL TO 65 CNEL, OR IN AREAS EXPOSED TO A NOISE LEVEL OF 65 dB L<sub>eq</sub>-1-hr DURING ANY HOUR OF OPERATION WHEN NOISE CONTOURS ARE NOT READILY AVAILABLE, AS SPECIFIED IN CALGREEN CODE, SECTION 5.507.4.1 & 5.507.4.1.1.
- THIS PC BUILDING IS NOT DESIGNED FOR SNOW LOADS.

### SITE-SPECIFIC OPTIONS

FLOOR DECK	<input checked="" type="checkbox"/> 1½" PLYWOOD SHGT.	<input type="checkbox"/> NH-32 DECK 3"x18 GA.	<input type="checkbox"/> BH-36 DECK 1½"x18 GA.
	<input type="checkbox"/>	<input type="checkbox"/> 3WH DECK 3"x18 GA.	<input type="checkbox"/> 3WH DECK 3"x18 GA.
WALL STUDS	<input checked="" type="checkbox"/> WOOD	<input type="checkbox"/> LIGHT-GAUGE STEEL	
EXTERIOR WALL FINISH	<input checked="" type="checkbox"/> DURATEMP 303	<input type="checkbox"/> SYNTHETIC STUCCO	<input type="checkbox"/> LAP SIDING
HVAC	<input type="checkbox"/> INTERIOR FLOOR MOUNTED	<input checked="" type="checkbox"/> EXTERIOR WALL MOUNTED	<input type="checkbox"/> SPLIT SYSTEM
ROOFING	<input checked="" type="checkbox"/> 3" x 20 GA. STANDING SEAM	<input type="checkbox"/> 3" x 26 GA. STANDING SEAM OVER SHEATHING	<input type="checkbox"/> SINGLE-PLY
ROOF PITCH	<input checked="" type="checkbox"/> SINGLE PITCH	<input type="checkbox"/> DUAL PITCH	
ROOF DIAPHRAGM	<input type="checkbox"/> ¾" PLYWOOD	<input checked="" type="checkbox"/> STEEL X-BRACING	
FRONT OVERHANG	<input type="checkbox"/> NO	<input checked="" type="checkbox"/> YES – LENGTH: 5'-0"	ENCLOSED <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
REAR OVERHANG	<input type="checkbox"/> NO	<input checked="" type="checkbox"/> YES – LENGTH: 2'-0"	ENCLOSED <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
SOLATUBE ON ROOF	<input checked="" type="checkbox"/> NO	<input type="checkbox"/> YES	
FIRE SPRINKLERS	<input checked="" type="checkbox"/> NO	<input type="checkbox"/> YES (SEE GENERAL NOTES #5 – #7 THIS SHEET)	
PARAPETS	<input checked="" type="checkbox"/> NO	<input type="checkbox"/> YES (SEE SHEET #4.3)	
RAMP(S)	<input type="checkbox"/> NO	<input checked="" type="checkbox"/> YES (SEE SHEET S10.0)	
LIQUEFIABLE SOILS	<input checked="" type="checkbox"/> NO	<input type="checkbox"/> YES (SEE GENERAL NOTE #10 THIS SHEET)	
GEOHAZARD REPORT	<input checked="" type="checkbox"/> NO	<input type="checkbox"/> YES	

IF YES

GEOTECHNICAL FIRM:	REPORT #:	REPORT DATE:
GEOTECHNICAL REPORT	<input checked="" type="checkbox"/> NO <input type="checkbox"/> YES	* REQUIRED IF BUILDING AREA > 4,000 SF

IF YES

GEOTECHNICAL FIRM:	REPORT #:	REPORT DATE:
DEEPER FOOTINGS REQUIRED?	<input checked="" type="checkbox"/> NO <input type="checkbox"/> YES	<input type="checkbox"/> YES – REQUIRED DEPTH:
WIDER FOOTINGS REQUIRED?	<input checked="" type="checkbox"/> NO <input type="checkbox"/> YES	<input type="checkbox"/> YES – REQUIRED DEPTH:

### BUILDING DATA

OCCUPANCY	E OR B (CLASSROOM USE FOR COLLEGE), OR A (CATEGORY I & II)		
TYPE OF CONSTRUCTION	V-B (CATEGORY I & II)		
WIND LOAD	V = 110 MPH ULT. WIND SPEED	RISK CATEGORY II	
ASCE 7-10 SECTION 28.6.3 SIMPLIFIED PROCEDURE	EXPOSURE = C	K <sub>zt</sub> = 1.00	
FLOOR LIVE LOAD (PSF)	<input type="checkbox"/> 50 <input checked="" type="checkbox"/> 50+15 <input type="checkbox"/> 100 <input type="checkbox"/> 150 (NON-STORAGE)		
ROOF LIVE LOAD (MAX PSF)	20 (REDUCIBLE)		
SNOW LOAD	NOT CONSIDERED (SEE GENERAL NOTE #14 THIS SHEET)		
RAMP LIVE LOAD (MAX. PSF)	100		
DESIGN DEAD LOADS (MAX PSF)	14.8 RF – 10.0 WD FLR – 42.0 CONC. FLR – 13.7 EXT WALLS		
ROOF SOLAR PANELS	NOT CONSIDERED (SEE GENERAL NOTE #9 THIS SHEET)		
FIRE SPRINKLER SYSTEM DESIGN WT.	1.5 PSF AT ROOF (SEE GENERAL NOTES #5 – #7 THIS SHEET)		
ALLOWABLE SOIL PRESSURE (PSF)	<input type="checkbox"/> 1,500 FOR CONCRETE <input checked="" type="checkbox"/> 1,000 FOR WOOD		
FLOOD HAZARD AREA	NO (SEE GENERAL NOTE #11 THIS SHEET)		
BUILDING AREA (SQ. FT.)	960 MIN. THRU 4800 MAX.		
CLIMATE ZONE	1-16		
MODULES	MOMENT-RESISTANT FRAME (SINGLE STORY)		
SYSTEM	12'x40' MODULES (2 MODULES MINIMUM)		
FOUNDATION TYPE	<input type="checkbox"/> CONCRETE <input checked="" type="checkbox"/> WOOD		

### SITE SPECIFIC SEISMIC CRITERIA:

SITE SPECIFIC  $S_s = 2.429$  MAX SITE CLASS = D

SITE SPECIFIC  $S_1 = 2.429$  MAX

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

SEISMIC: RISK CATEGORY II

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

$\Omega_o = 3.0$   $C_d = 3.0$  SEISMIC DESIGN CATEGORY: D ( $S_s \leq 0.75$ )  
 $E$  ( $0.75 < S_s < 1.5$ )

$\rho = 1.0$   
LATERAL FORCE RESISTING SYSTEM: LIGHT MODULAR STEEL MOMENT FRAMES PER 2212A ANALYSIS PROCEDURE: EQUIVALENT LATERAL FORCE

### SITE CLASS A-D:

☒ LOW SEISMIC

$S_s = 2.429$  MAX (SITE)  
1.700 (DESIGN)\*

$F_o = 1.0$

$S_{DS} = 1.62$  (SITE)  
1.13 (DESIGN)\*  
 $C_s = 0.324$  W (DESIGN)\*

☐ HIGH SEISMIC

$S_s = 3.257$  MAX (SITE)  
2.280 (DESIGN)\*

$F_o = 1.0$

$S_{DS} = 2.17$  (SITE)  
1.52 (DESIGN)\*  
 $C_s = 0.434$  W (DESIGN)\*

### SITE CLASS E:

☐ LOW SEISMIC

$S_s = 1.889$  MAX (SITE)  
1.889 (DESIGN)\*

$F_o = 0.9$

$S_{DS} = 1.13$  (SITE)  
1.13 (DESIGN)\*  
 $C_s = 0.324$  W (DESIGN)\*

☐ HIGH SEISMIC

$S_s = 2.533$  MAX (SITE)  
2.533 (DESIGN)\*

$F_o = 0.9$

$S_{DS} = 1.52$  (SITE)  
1.52 (DESIGN)\*  
 $C_s = 0.434$  W (DESIGN)\*

\*PER CBC 1616A.1.12 (MODIFICATION TO ASCE 7-10,12.8.1.3):

THE VALUE OF  $C_s$  AND  $E_v$  ARE PERMITTED TO BE CALCULATED USING A VALUE OF  $S_{DS}$  EQUAL TO 1.0, BUT NOT LESS THAN 70% OF  $S_{DS}$  AS DEFINED IN SECTION 11.4.4, PROVIDED THAT ALL OF THE FOLLOWING CRITERIA ARE MET:

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

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### SHEET INDEX

ARCHITECTURAL			STRUCTURAL		
OPTIONS	SHEET NUMBER	SHEET TITLE	OPTIONS	SHEET NUMBER	SHEET TITLE
COVER SHEET	<input checked="" type="checkbox"/> TS	TITLE SHEET	STEEL MEMBER PROPERTIES	<input checked="" type="checkbox"/> S0.0	STEEL MEMBER PROPERTIES
INSPECTION FORM	<input checked="" type="checkbox"/> D1	FORM DSA-103		<input type="checkbox"/> S1.0	CONCRETE FOUNDATION PLAN – 50 PSF LIVE LOAD
GENERAL NOTES & SPECIFICATIONS	<input checked="" type="checkbox"/> N1.0	GENERAL NOTES & SPECIFICATIONS		<input type="checkbox"/> S1.1	CONCRETE FOUNDATION PLAN – 50 PSF LIVE LOAD +15 PSF PARTITION LOAD
	<input checked="" type="checkbox"/> N2.0	GENERAL NOTES & SPECIFICATIONS		<input type="checkbox"/> S1.2	CONCRETE FOUNDATION PLAN – 100 PSF LIVE LOAD
	<input checked="" type="checkbox"/> N3.0	TYPICAL SCHEDULES: DOORS, WINDOWS, & FINISHES		<input type="checkbox"/> S1.3	CONCRETE FOUNDATION PLAN – 150 PSF LIVE LOAD
	<input checked="" type="checkbox"/> N4.0	ACCESSIBILITY STANDARDS AND DETAILS		<input type="checkbox"/> S1.4	CONCRETE FOUNDATION DETAILS
	<input checked="" type="checkbox"/> N5.0	MULTIPLE FLOOR PLAN CONFIGURATIONS		<input type="checkbox"/> S1.5	CONCRETE FOUNDATION DETAILS
ENERGY SHEETS & CALCULATIONS	<input type="checkbox"/> N5.1	MULTIPLE FLOOR PLAN CONFIGURATIONS		<input type="checkbox"/> S1.6A	STANDARD FOUNDATION ANCHORAGE DETAILS
	<input checked="" type="checkbox"/> EN.1	ENERGY CALCULATIONS		<input type="checkbox"/> S1.6B	UPGRADED FOUNDATION ANCHORAGE DETAILS
	<input checked="" type="checkbox"/> EN.2	ENERGY CALCULATIONS		<input type="checkbox"/> S1.7	CONCRETE FOUNDATION OPTIONAL UTILITY OPENINGS IN FOOTINGS
	<input checked="" type="checkbox"/> EN.3	ENERGY CALCULATIONS		<input type="checkbox"/> S2.0	WOOD FOUNDATION PLAN – 50 PSF LIVE LOAD – PLYWOOD FLOOR
	<input checked="" type="checkbox"/> EN.4	ENERGY CALCULATIONS		<input checked="" type="checkbox"/> S2.1	WOOD FOUNDATION PLAN – 50 PSF LIVE LOAD + 15 PSF PARTITION LOAD – PLYWOOD FLOOR
FLOOR PLANS	<input checked="" type="checkbox"/> EN.5	ENERGY CALCULATIONS		<input type="checkbox"/> S2.2	WOOD FOUNDATION PLAN – 100 PSF LIVE LOAD – PLYWOOD FLOOR
	<input checked="" type="checkbox"/> EN.6	ENERGY CALCULATIONS		<input type="checkbox"/> S2.3	WOOD FOUNDATION PLAN – 150 PSF LIVE LOAD – PLYWOOD FLOOR
	<input checked="" type="checkbox"/> EN.7	ENERGY CALCULATIONS		<input checked="" type="checkbox"/> S2.4	WOOD FOUNDATION DETAILS
	<input checked="" type="checkbox"/> EN.8	ENERGY CALCULATIONS			
	<input checked="" type="checkbox"/> EN.9	ENERGY CALCULATIONS			
ROOF PLAN & DETAILS	<input checked="" type="checkbox"/> A1.0	TYPICAL FLOOR PLAN			
	<input type="checkbox"/> A1.1	TYPICAL FLOOR PLAN w/ SOLATUBE OPTION			
	<input type="checkbox"/> A1.2	RESTROOM FLOOR PLAN OPTIONS			
	<input checked="" type="checkbox"/> A2.0	TYPICAL ROOF PLAN – METAL STANDARD SEAM (WITHOUT PARAPETS)		<input checked="" type="checkbox"/> S3.0	FLOOR FRAMING PLAN & DETAILS FOR PLYWOOD FLOOR
	<input type="checkbox"/> A2.1	TYPICAL ROOF PLAN – METAL STANDING SEAM (WITH PARAPETS)		<input type="checkbox"/> S3.1	FLOOR FRAMING PLAN & DETAILS FOR CONCRETE FLOOR w/BH-DECK OPTION (100 PSF MAX FLOOR L.L.)
INTERIOR ELEVATIONS	<input checked="" type="checkbox"/> A2.2	TYPICAL ROOF DETAILS – METAL STANDING SEAM		<input type="checkbox"/> S3.2	FLOOR FRAMING PLAN & DETAILS FOR CONCRETE FLOOR w/NH32 DECK OPTION (100 PSF MAX FLOOR L.L.)
	<input type="checkbox"/> A2.3	TYPICAL ROOF PLAN – SINGLE-PLY OR BUILT-UP (WITHOUT PARAPETS)		<input type="checkbox"/> S3.3	FLOOR FRAMING PLAN & DETAILS FOR CONCRETE FLOOR w/3WH-DECK OR 3WHX-DECK OPTION (150 PSF MAX FLOOR L.L.)
	<input type="checkbox"/> A2.4	TYPICAL ROOF PLAN – SINGLE-PLY OR BUILT-UP (WITH PARAPETS)			
	<input type="checkbox"/> A2.5	TYPICAL ROOF DETAILS – SINGLY-PLY OR BUILT-UP ROOFING		<input checked="" type="checkbox"/> S4.0	ROOF FRAMING PLAN & DETAILS -- OPEN SOFFIT OPTION
	<input checked="" type="checkbox"/> A4.0	INTERIOR ELEVATIONS – TYPICAL CLASSROOM		<input type="checkbox"/> S4.1	ROOF FRAMING PLAN & DETAILS -- ENCLOSED SOFFIT OPTION
EXTERIOR ELEVATIONS & ARCHITECTURAL DETAILS	<input type="checkbox"/> A4.1	INTERIOR ELEVATIONS – RESTROOM OPTIONS		<input checked="" type="checkbox"/> S4.2	ROOF FRAMING DETAILS
	<input checked="" type="checkbox"/> A5.0	TYPICAL EXTERIOR ELEVATIONS – DURATEMP 303 SIDING OPTION		<input type="checkbox"/> S4.3	OPTIONAL PARAPET FRAMING ELEVATIONS & DETAILS
	<input checked="" type="checkbox"/> A5.1	TYPICAL ARCHITECTURAL DETAILS – DURATEMP 303 SIDING OPTION		<input checked="" type="checkbox"/> S5.0	MOMENT FRAME ELEVATIONS & DETAILS
	<input type="checkbox"/> A5.2	TYPICAL EXTERIOR ELEVATIONS – STUCCO OPTION		<input checked="" type="checkbox"/> S5.1	MOMENT FRAME CONNECTION DETAILS
	<input type="checkbox"/> A5.3	TYPICAL ARCHITECTURAL DETAILS – STUCCO OPTION		<input checked="" type="checkbox"/> S6.0	TYPICAL LONGITUDINAL & TRANSVERSE FRAME SECTIONS
BUILDING FRAMING ELEVATIONS & DETAILS	<input type="checkbox"/> A5.4	TYPICAL EXTERIOR ELEVATIONS – LAP SIDING OPTION		<input checked="" type="checkbox"/> S8.0	WALL FRAMING ELEVATIONS & SCHEDULES – WOOD STUDS
	<input type="checkbox"/> A5.5	TYPICAL ARCHITECTURAL DETAILS – LAP SIDING OPTION		<input checked="" type="checkbox"/> S8.1	WALL FRAMING DETAILS – WOOD STUDS
	<input type="checkbox"/> A5.6	TYPICAL EXTERIOR ELEVATIONS – SYNTHETIC STUCCO OPTION		<input type="checkbox"/> S9.0	WALL FRAMING ELEVATIONS & SCHEDULES – METAL STUD OPTION
	<input type="checkbox"/> A5.7	TYPICAL ARCHITECTURAL DETAILS – SYNTHETIC STUCCO OPTION		<input type="checkbox"/> S9.1	WALL FRAMING DETAILS – METAL STUD OPTION
	<input type="checkbox"/> A5.7	TYPICAL ARCHITECTURAL DETAILS – SYNTHETIC STUCCO OPTION		<input type="checkbox"/> S9.2	TYPICAL METAL STUD FRAMING DETAILS & PROPERTIES
MISCELLANEOUS DETAILS	<input type="checkbox"/> A7.0	ARCHITECTURAL EXTERIOR FINISH OPTIONS DETAILS		<input checked="" type="checkbox"/> S10.0	TYPICAL RAMP PLANS & NOTES
	<input checked="" type="checkbox"/> A7.1	MISCELLANEOUS ARCHITECTURAL DETAILS		<input checked="" type="checkbox"/> S10.1	RAMP DETAILS
	<input type="checkbox"/> A8.0	1-HR FIRE RATED CONSTRUCTION DETAILS			

### SHEETS w/ SPECIFIC LOW/HIGH SEISMIC DESIGNATIONS/OPTIONS

TS	TITLE SHEET
S2.0	WOOD FOUNDATION PLAN – 50 PSF LIVE LOAD – PLYWOOD FLOOR
S2.1	WOOD FOUNDATION PLAN – 50 PSF LIVE LOAD + 15 PSF PARTITION LOAD – PLYWOOD FLOOR
S2.2	WOOD FOUNDATION PLAN – 100 PSF LIVE LOAD – PLYWOOD FLOOR
S2.3	WOOD FOUNDATION PLAN – 150 PSF LIVE LOAD – PLYWOOD FLOOR
S3.0	FLOOR FRAMING PLAN & DETAILS FOR PLYWOOD FLOOR
S3.2	FLOOR FRAMING PLAN & DETAILS FOR CONCRETE FLOOR w/NH-32 DECK OPTION (100 PSF MAX FLOOR L.L.)
S3.3	FLOOR FRAMING PLAN & DETAILS FOR CONCRETE FLOOR w/3WH-DECK OR 3WHX-DECK OPTION (150 PSF MAX FLOOR L.L.)
S5.0	MOMENT FRAME ELEVATIONS & DETAILS
S5.1	MOMENT FRAME CONNECTION DETAILS

### MECHANICAL

OPTIONS	SHEET NUMBER	SHEET TITLE
FLOOR PLANS	<input checked="" type="checkbox"/> M1.0	TYPICAL REFLECTED CEILING PLAN
	<input checked="" type="checkbox"/> M1.1	TYPICAL MECHANICAL PLAN OPTIONS
	<input type="checkbox"/> M1.3	RESTROOM REFLECTED CEILING PLANS OPTIONS
DETAILS	<input checked="" type="checkbox"/> M1.4	MECHANICAL & CEILING DETAILS
	<input type="checkbox"/> M1.4A	MECHANICAL & CEILING DETAILS
	<input checked="" type="checkbox"/> M1.5	MECHANICAL & CEILING DETAILS
	<input type="checkbox"/> M1.6	MECHANICAL ROOF DETAILS
	<input type="checkbox"/> M1.6A	MECHANICAL ROOF DETAILS
MISCELLANEOUS	<input checked="" type="checkbox"/> M1.7	CEILING & MECHANICAL NOTES & SCHEDULES

### ELECTRICAL

OPTIONS	SHEET NUMBER	SHEET TITLE
FLOOR PLANS & DETAILS	<input checked="" type="checkbox"/> E1.0	TYPICAL ELECTRICAL PLAN
	<input type="checkbox"/> E1.1	RESTROOM OPTIONS ELECTRICAL PLANS
	<input checked="" type="checkbox"/> E1.2	ELECTRICAL NOTES & DETAILS



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

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

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

## HOLLO-BOLT MANUFACTURER'S INSPECTION PROCEDURES

### PERIODIC SPECIAL INSPECTION REQUIREMENTS

TO VERIFY CORRECT INSTALLATION INCLUDING USE IN SEISMIC WIND LOADING APPLICATIONS IN ACCORDANCE WITH THE 2016 CALIFORNIA BUILDING CODE SECTIONS 1705A.1, 1705A.1.1, 1705A.1.2 AND 1704.1. PLEASE REFER TO THE FOLLOWING INSTRUCTIONS.

#### A. INSPECTION PRIOR TO INSTALLATION

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

#### B. INSPECTION DURING INSTALLATION

1. ENSURE THAT THE HOLLO-BOLTS ARE INSTALLED AFTER LINDAPTERS INSTALLATION INSTRUCTIONS SHEET.
  2. ENSURE THAT THE TORQUE WRENCH(S) HAS A CURRENT VALID CALIBRATION CERTIFICATE AND IS OPERATED ON REGULAR BASIS.
  3. IF USING AIR POWERED WRENCHES TO TIGHTEN THE HOLLO-BOLT, CHECK THAT THE WRENCH IS SET CORRECTLY TO AVOID OVERTIGHTENING. THE FINAL TORQUE MUST BE CHECKED WITH A CALIBRATED TORQUE WRENCH.
  4. IF AFTER TIGHTENING THERE IS A GAP EVIDENT BETWEEN THE HOLLO-BOLT AND THE CONTACT SURFACE OF THE CONNECTING ELEMENT THIS MAY INDICATE INCORRECT INSTALLATION. REMOVE AND DISCARD THE HOLLO-BOLT, REALIGN THE CONNECTING STEELWORK AND INSTALL A NEW HOLLO-BOLT AS PER LINDAPTERS INSTALLATION INSTRUCTION SHEET.
  5. IF AFTER TIGHTENING THE BOLT HEAD CONTINUES TO TURN THIS MAY BE AN INDICATION OF OVER TIGHTENING. ONLY USING A STAINLESS STEEL HOLLO-BOLT THIS MAY BE DUE TO GALLING. REMOVE AND DISCARD THE HOLLO-BOLT AND INSTALL A NEW HOLLO-BOLT AS PER LINDAPTERS INSTALLATION INSTRUCTION SHEET.
- \* "GALLING" IS A TERM USED WHEN TWO SURFACES SEIZE UP AS A RESULT OF COLD WELDING AND IS COMMON WHEN TIGHTENING STAINLESS STEEL BOLTS.

#### C. INSPECTION AFTER INSTALLATION

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

## FOOTNOTES

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

1. WAIVER OF CONTINUOUS BATCH PLANT INSPECTION (PER CBC 1705A3.3.1):
  - A. VERIFY THAT EITHER CONDITION a) OR b) ARE NOTED IN THE SPECIFICATIONS:
    - a) CONCRETE PLANT COMPLIES FULLY WITH ASTM C94, SECTION 9 AND 10, AND HAS A CURRENT CERTIFICATION FROM THE "NATIONAL READY MIXED CONCRETE ASSOCIATION" OR ANOTHER AGENCY ACCEPTABLE TO THE ENFORCEMENT AGENCY. THE CERTIFICATION SHALL INDICATE THAT THE PLANT HAS AUTOMATIC BATCHING AND RECORDING CAPABILITIES.
    - b) FOR SINGLE-STORY BUILDINGS, COMPRESSIVE STRENGTH: 3500 PSI SPECIFIED.
  - B. DESIGN REQUIREMENTS c) THRU f) ARE MET:
    - a) AN APPROVED AGENCY OR CERTIFIED TECHNICIAN OF THE TEST LABORATORY SHALL CHECK THE FIRST BATCHING AT START OF WORK DAY AND FURNISH MIX PROPORTIONS TO LICENSED WEIGHMASTER.
    - d) LICENSED WEIGHMASTER TO POSITIVELY IDENTIFY QUANTITY OF MATERIALS AND CERTIFY EACH LOAD BY A BATCH TICKET.
    - e) BATCH TICKETS, INCLUDING MATERIAL QUANTITIES AND WEIGHTS SHALL BE TRANSMITTED TO INSPECTOR OF RECORD.
    - f) SUBMIT WEIGHMASTER AFFIDAVIT.
2. WAIVER OF CONTINUOUS BATCH PLANT INSPECTION NOT REQUIRED (PER CBC 1705A3.3.2):
  - A. PLANT INSPECTION IS NOT REQUIRED FOR ANY OF THE FOLLOWING CONDITIONS:
    - a) SITE FLATWORK,
    - b) UNENCLOSED SITE STRUCTURES, INCLUDING BUT NOT LIMITED TO LUNCH OR CAR SHELTERS, BLEACHERS, SOLAR STRUCTURES, FLAG OR LIGHT POLES, OR RETAINING WALLS.
    - c) CONTROLLED LOW-STRENGTH MATERIAL BACKFILL, OR
    - d) SINGLE-STORY RELOCATABLE BUILDINGS LESS THAN 2,160 SQUARE FEET.
3. TESTING IS WAIVED FOR ONE-STORY BUILDINGS IF MILL CERTIFICATE IS PROVIDED.
4. REQUIRED ONLY WHERE DETAILS SPECIFY THE USE OF THESE ATTACHMENTS.
5. INSPECTION OF VENEER DETAILED ON SH. A7.0 MAY BE WAIVED BY DSA ON A SITE SPECIFIC BASIS.
6. THE APPENDIX TO DSA-103 SHALL BE COMPLETED BY THE DESIGN PROFESSIONAL IN GENERAL RESPONSIBLE CHARGE.
7. TESTING SHALL BE PERFORMED ON 100% OF CJP GROOVE WELDS WHEN THE COLUMNS PER SCHEDULE ON SHEET S5.1 HAVE A THICKNESS OF 3/4" OR GREATER. MAGNETIC PARTICLE TESTING SHALL BE PERFORMED ON 25% OF ALL BEAM-TO-COLUMN CJP GROOVE WELDS. NONDESTRUCTIVE TESTING OF COMPLETE JOINT PENETRATION WELDS AT GRAVITY CONNECTIONS SHALL COMPLY WITH AISC 360, CHAPTER N, PER 2016 CBC 1705A.2.1.
8. EXAMPLE DSA-103 FORMS WILL BE USED AS GUIDE TO DEVELOP A SITE-SPECIFIC DSA-103 FORM FOR THE SITE-SPECIFIC PROJECT. EXAMPLE FORMS ON THE PC DRAWINGS WILL BE CROSSED OUT WHEN SITE-SPECIFIC DSA-103 FORMS ARE PROVIDED DURING OTC REVIEW. SEE DSA PR 07-01, ITEM 2 & 5. QUALIFIED REPRESENTATIVE OF LABORATORY OF RECORD OR APPROVED SPECIAL INSPECTOR SHALL VERIFY ALL STEEL IDENTIFICATION PER 2016 CBC 2203A.1.

## TEST OR INSPECTION

(as listed on DSA-103)<sup>1</sup>

### MATERIAL TYPE

#### SOILS

##### 1. GENERAL:

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

##### 2. COMPACTED FILLS:

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

#### CONCRETE

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

- a. Verify use of required design mix.
- b. Identify, sample, and test reinforcing steel.<sup>(3)</sup>
- c. During concrete placement, fabricate specimens for strength tests, performing slump, and air content tests, and determine the temperature of the concrete.
- d. Test concrete ( $f_c$  - compression).
- e. Batch plant inspection<sup>(1)(2)</sup> - design complies with 1705A.3.3
- f. Not Used
- h. Welding of reinforcing steel.

##### 7. CAST IN PLACE CONCRETE - Foundation:

- a. Verify use of required design mix.
- b. Identify, sample, and test reinforcing steel.<sup>(3)</sup>
- c. During concrete placement, fabricate specimens for strength tests, performing slump, and air content tests, and determine the temperature of the concrete.
- d. Test concrete ( $f_c$  - compression).
- e. Batch plant inspection<sup>(1)(2)</sup> - design complies with 1705A.3.3
- f. Not Used
- h. Welding of reinforcing steel.

##### 11. POST-INSTALLED ANCHORS<sup>(4)</sup>:

- a. Inspect installation of post-installed anchors
- b. Test post-installed anchors

#### MASONRY

##### 14. VENEER OR GLASS BLOCK<sup>(5)</sup>:

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

#### STEEL, ALUMINUM

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

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

##### 19. WELDING:

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

##### 19.1. SHOP WELDING:

- a. Inspect groove, multi-pass fillet welds, single pass fillet welds  $\leq 5/16"$ , plug and slot welds
- b. Inspect single-pass fillet welds  $\leq 5/16"$ , floor and roof deck welds
- c. Inspect welding of stairs and railing systems (only required where noted on S10.0 & S10.1)
- d. Verification of reinforcing steel weldability other than ASTM A706.
- e. Inspect welding of reinforcing steel.

##### 19.2. FIELD WELDING:

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

##### 20. NONDESTRUCTIVE TESTING<sup>(7)</sup>:

- a. Ultrasonic test per sheet S5.1)
- b. Magnetic Particle (Test per sheet S5.1)

##### 22. SPRAY APPLIED FIRE-PROOFING<sup>(8)</sup>:

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

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

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

#### OTHER

##### 26. LOAD TEST FOR IDENTIFIED PRODUCT(S):

- a. Column fire rating where specified per 20/A8.0 and tested per 1705A.15

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PRE-CHECKED SET NAME

24'x40' THRU 120'x40'  
STANDARD MODULAR  
BUILDINGS

SITE SPECIFIC PROJECT NAME

SHEET TITLE

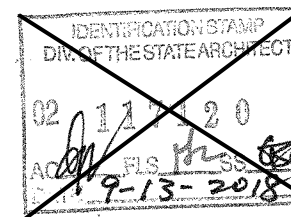
FORM  
DSA-103

MANUFACTURER PROFESSIONAL OF RECORD ON PC

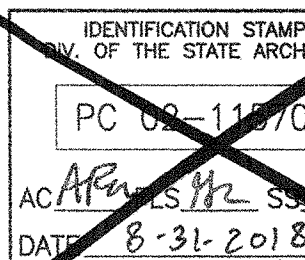


THESE DRAWINGS ARE PRELIMINARY AND NOT FOR CONSTRUCTION UNLESS SHOWN & SIGNED BY THE ENGINEER OF RECORD.

PROJECT SPECIFIC STATE AGENCY APPROVAL



ORIGINAL PC STATE AGENCY APPROVAL



PRE-CHECK (PC) DOCUMENT

CODE: 2016 CBC

A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRED.

REVISIONS



DRAWN BY:

SCALE: AS NOTED

DATE:

SHEET NUMBER

D1

RV-1 PCX02







COORDINATION OF WORK

THE CONTRACTOR IS RESPONSIBLE FOR MAKING ALL NECESSARY ARRANGEMENTS WITH THE SCHOOL DISTRICT AUTHORIZED REPRESENTATIVE FOR ACCESS TO GROUNDS AND REMOVAL OF EQUIPMENT, IF NECESSARY. THIS CONTACT SHALL BE MADE AT LEAST 48 HOURS PRIOR TO DELIVERY OF ANY MODULE. ON-SITE INSPECTION SHALL BE DONE BY THE SITE INSPECTOR. ALL WORK WHICH THE MANUFACTURER OR HIS SUBCONTRACTORS PERFORM AT THE SITE SHALL BE SUBJECT TO THE INSPECTION OF THE SITE INSPECTOR. THE MANUFACTURER WILL FURNISH THE SITE INSPECTOR WITH SUCH INFORMATION AS MAY BE NECESSARY TO KEEP HIM FULLY INFORMED AS TO PROGRESS OF WORK AND DATES WHEN SITE WORK WILL OCCUR. THE CONTRACTOR SHALL NOTIFY THE INSPECTION AGENCY AT LEAST 48 HOURS PRIOR TO COMMENCING WORK.

THE CONTRACTOR SHALL VERIFY THAT THE DISTRICT'S SITE IS READY TO RECEIVE THE CLASSROOM(S) PRIOR TO THE DELIVERY OF ANY CLASSROOM(S) BY VISITING EACH SITE (THIS MAY BE DONE BY THE INSPECTOR).

MATERIALS AND WORKMANSHIP

- ALL CONTRACTORS SHALL CERTIFY THAT NO ASBESTOS-CONTAINING BUILDING MATERIALS WHICH EXCEED STATE AND FEDERAL MANDATED SAFE ASBESTOS LEVELS HAVE BEEN USED IN THE CONSTRUCTION OF RELOCATABLE FACILITIES.
- ALL WORKMEN SHALL BE SKILLED AND QUALIFIED FOR THE WORK WHICH THEY PERFORM. SUPERVISORS, UNLESS OTHERWISE SPECIFIED, SHALL BE NEW AND OF THE TYPES AND GRADES SPECIFIED. THE CONTRACTOR SHALL, IF REQUESTED, FURNISH EVIDENCE SATISFACTORY TO THE RDPRC THAT SUCH IS THE CASE.
- CONTRACTOR'S CREWS ASSIGNED TO ANY WORK PERFORMED UNDER THIS CONTRACT SHALL INCLUDE ONE COMPETENT AND FULLY EXPERIENCED PERSON DESIGNATED AS THE RESPONSIBLE PERSON IN CHARGE. SUCH PERSON MUST BE IDENTIFIED BY NAME TO THE DISTRICT IN ADVANCE OF ANY WORK. UPON REQUEST, THE CONTRACTOR SHALL PROMPTLY FURNISH TO THE DISTRICT INFORMATION RELATING TO THIS EMPLOYEE'S EXPERIENCE.
- WORKMANSHIP SHALL BE EQUAL OR BETTER IN QUALITY TO THAT REQUIRED BY THE CONSTRUCTION TRADES FOR A FINISHED PRODUCT. A QUALITY CONTROL SUPERVISOR, DESIGNATED BY THE MANUFACTURER, SHALL REVIEW ALL WORK IN PROGRESS AND SHALL REVIEW THE FINISHED BUILDING PRIOR TO FINAL INSPECTION TO ASSURE IT IS COMPLETE AND CORRECT. THE QUALITY CONTROL SUPERVISOR SHALL HAVE THE AUTHORITY TO HAVE MATERIALS REPLACED AND WORK REDONE IN ORDER TO CORRECT FAULTY MATERIALS OR WORKMANSHIP.

GENERAL DESIGN REQUIREMENTS

- UP TO TEN (10) MODULES, APPROXIMATELY 12' x 40', DESIGNED SO THAT TWO (2) OR MORE MODULES MAY BE JOINED TOGETHER TO FORM A COMPLETE STRUCTURE, TO MAINTAIN A POSITIVE ALIGNMENT OF FLOORS, WALLS, AND ROOF, AND TO PERMIT SIMPLE NON-DESTRUCTIVE DETACHMENT FOR FUTURE RELOCATION.
- EACH MODULE SHALL BE PERMANENTLY IDENTIFIED WITH (2) IMPRINTED (STAMPED, NOT ENGRAVED) METAL IDENTIFICATION TAGS 3"x1-1/2" MINIMUM SIZE WITH THE FOLLOWING INFORMATION:
  - MANUFACTURER'S NAME AND BUILDING SERIAL NUMBER.
  - DESIGN WIND SPEED / EXPOSURE
  - DESIGN SEISMIC S<sub>DS</sub> VALUE
  - DESIGN ROOF LIVE LOAD & SNOW LOAD.
  - DESIGN FLOOR LIVE LOAD
  - D.S.A. APPLICATION NUMBER
- 2-TAGS PER MODULE: ONE ON EXTERIOR, AND ONE ON MODULE BEAM AT FRONT OF BUILDING ABOVE CEILING.
- EACH MODULE SHALL BE CAPABLE OF RESISTING ALL VERTICAL AND LATERAL LOADS DURING TRANSPORTATION AND RELOCATION. (NORMAL INDUSTRY PRACTICE FOR BRACING MODULES DURING TRANSPORTATION AND RELOCATIONS 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 RDPRC, CAUSES EXCESSIVE WORKING AT ANY JOINT OR COMPROMISES THE STRUCTURAL INTEGRITY OF THE MODULE SHALL BE SUFFICIENT REASON FOR REJECTION OF THE MODULE.
- FINISH AND BASE MATERIALS AT EACH MODULE SHALL TERMINATE AT INTERIOR MODULE JOINTS IN A MANNER TO JOIN FLUSH AND TIGHT WITH SAME MATERIAL IN ADJACENT MODULE SO THE MODULE MAY BE RELOCATED WITH MINIMUM CUTTING AND PATCHING.

BUILDING COMMISSIONING REQUIREMENTS

- SITE-SPECIFIC BUILDINGS OVER 10,000 SQUARE FEET MUST BE COMMISSIONED PER CALIF. TITLE 24, PART 6 - CALIFORNIA ENERGY CODE (CEC).
  - SUMMARY OF COMMISSIONING REQUIREMENTS
  - OWNER'S OR OWNER REPRESENTATIVE'S PROJECT REQUIREMENTS
  - BASIS OF DESIGN
  - DESIGN PHASE DESIGN REVIEW
  - COMMISSIONING MEASURES SHOWN IN THE CONSTRUCTION DOCUMENTS
  - COMMISSIONING PLAN
  - FUNCTIONAL PERFORMANCE TESTING
  - DOCUMENTATION AND TRAINING
  - COMMISSIONING REPORT
- COMMISSIONING IS NOT A PART OF THE PC APPROVAL.
- COMMISSIONING, WHEN REQUIRED, SHALL BE PROVIDED BY OTHERS.

MARKERBOARD SPECIFICATIONS

MARKERBOARDS SHALL BE 24 GA. PORCELAIN STEEL FACING SHEET SUITABLE TO ACCEPT DRY ERASE FELT MARKERS. THE FACING SHEET SHALL BE LAMINATED TO PARTICLE BOARD SUBSTRATE WITH A MINIMUM DENSITY OF 45lbs./cu.ft. THE PANEL SHALL HAVE A FOIL BACKING. THE PANELS SHALL HAVE EXTRUDED ALUMINUM MOLDING AND CHALKRAIL WITH A MINIMUM OF 2 15/16" PROJECTION FROM THE FACE OF PANEL. THREE MAP HOOKS WITH CLIPS PER PANEL SHALL BE PROVIDED. ONE FLAG HOLDER, 1/2" SIZE, SHALL BE PROVIDED FOR EACH CLASSROOM. EACH CLASSROOM SHALL HAVE 2 EACH 4"x8" PANELS INSTALLED SIDE BY SIDE TO MAKE A 4'x16' PANEL, CENTERED ON THE WALL.

FOR ANCHORAGE DETAIL, SEE DETAIL 8/A4.0.

REFERENCE BRANDS: CHATFIELD-CLARKE Co, Inc. SERIES 500 OR NELSON ADAMS Co. NACO SERIES 60.

INTERIOR

- FLOOR COVERING: PER CBC SECTION 804, COMPLY WITH NFPA 253 CLASS I OR II. COMPLY WITH ASTM E 648 FOR SPECIFIC OPTICAL DENSITY RATING. PER ASTM E 648, IN EXIT PASSAGEWAYS OR CORRIDORS, THE MINIMUM CRITICAL RADIANT FLUX (CBC 804.4.2) SHALL NOT BE LESS THAN CLASS II. (CARPET SHALL BE SECURELY ATTACHED, HAVE FIRM CUSHION, PAD OR BACKING, OR NONE AT ALL. PILE YARN SHALL BE BRANDED NYLON AND HAVE A LEVEL LOOP, TEXTURED LOOP, LEVEL-CUT PILE OR LEVEL-CUT/UNCUT PILE TEXTURE. THE MAXIMUM PILE HEIGHT SHALL BE 1/2" INCH. NO CROSS SEAMS SHALL BE ALLOWED. THE CARPET DENSITY SHALL BE 4600 MINIMUM. CARPET EDGE TRIM SHALL COMPLY WITH SECTION 11B-303. COLOR TO BE SELECTED BY THE RDPRC OR OWNER.)
- BASE: RESILIENT COVE BASE - BEST QUALITY, MOULDED RUBBER, 1/8" THICK, 4" HIGH MOULDED TOP SET COVE. PROVIDE PREFORMED BASE FOR SQUARE EXTERNAL CORNERS AND PREFORMED END STOPS WHERE BASE DOES NOT ABUT. SOLID COLOR AS MANUFACTURE BY "JOHNSONITE CO.", FLEXCO, OR EQUAL. APPLY COVE TO COMPLETE PERIMETER OF CLASSROOM.
- INTERIOR WALLS SHALL BE VINYL COVERED TACKBOARD (U.O.N.) APPLIED IN ONE CONTINUOUS LENGTH FROM FLOOR TO CEILING. THE TACKBOARD SHALL BE INDUSTRIAL INSULATION BOARD MANUFACTURED SPECIFICALLY AS A SUBSTITUTE FOR VINYL COVERED WALL PANELS. THE BOARD SHALL BE ASPHALT FREE, SHALL HAVE AN IRONED-ON COATING AND SHALL HAVE A MINIMUM DENSITY OF 18 LBS. PER SQ. FT. THE VINYL COATING SHALL BE MADE OF VIRGIN VINYL CALENDERED BASE COLOR, WEIGHING A MINIMUM OF 8 OZ. PER SQUARE YARD. THE COATING BACKING SHALL BE SHEETING OR NON-WOVEN FABRIC. THE VINYL COATING SHALL BE MECHANICALLY LAMINATED, WITH THE LONG EDGES WRAPPED, TO THE TACKBOARD. TACKBOARD SHALL BE APPLIED OVER 1/2" SHEETROCK OR OSB SHEATHING. THE VINYL COVERED PANEL SHALL HAVE A CLASS 'C' RATING (PER ASTM E 84 OR UL 723). FLAME SPREAD/SMOKE DEVELOPED INDEX MAXIMUMS PER NOTE #6 BELOW. THE PANEL SHALL BE APPROVED FOR CLASSROOM USE BY THE CALIFORNIA STATE FIRE MARSHAL. REFERENCE BRAND: VINYL COVERED TACKBOARD AS MANUFACTURED BY CHATFIELD-CLARKE OR COMPARABLE. CARE SHALL BE TAKEN IN MOUNTING THE TACKBOARD SO THAT THE TEXTURE OF ALL PANELS WILL HAVE THE SAME ORIENTATION AND COLOR MATCH.
- CEILING: SUSPENDED T-BAR SYSTEM, SEE SHEET M1.4 FOR DETAILS, MATERIALS AND INSTALLATION PER ASTM C635, ASTM C636, ASTM E580, AND DSA-IR 25-2.13 AS APPLICABLE TO CLASSROOMS. PANELS SHALL BE 5/8" MINIMUM THICK. MINERAL FIBERBOARD OR VINYL-FACED FIBERGLASS LAY-IN PANELS, SQUARE EDGE, LIGHT REFLECTION 75% MINIMUM. NOISE REDUCTION COEFFICIENT OF 0.65 MINIMUM. ASTM E 84 TESTED, RATED CLASS 'C'. FLAME SPREAD INDEX NOT TO EXCEED 200, SMOKE DEVELOPED INDEX RATING NOT TO EXCEED 450.
- THE INTERIOR ENVIRONMENT SHALL BE ASSEMBLED WITH PRODUCTS THAT CONTRIBUTE TO A HEALTHY INDOOR AIR QUALITY (IAQ). THE FOLLOWING SHALL COMPLY TITLE 24, PART 11 ("CAL-GREEN"), SECTION 5.504.4. (SEE SHEET N1.0, SECTION 9C "INTERIOR AIR QUALITY CONTROL")
- FLAME SPREAD/SMOKE-DEVELOPED INDEX (TESTED IN ACCORDANCE WITH ASTM E 84 OR UL 723, PER CBC 803.1.1):

WALL FINISH MATERIAL (CLASS 'C')	PIPE INSULATION (CLASS 'A')
FLAME SPREAD MAX = 200	FLAME SPREAD MAX = 25
SMOKE DEVELOPED MAX = 450	SMOKE DEVELOPED MAX = 450

BUILDING INSULATION (CLASS 'A')	DUCT INSULATION (CLASS 'A')
FLAME SPREAD MAX = 25	FLAME SPREAD MAX = 25
SMOKE DEVELOPED MAX = 450	SMOKE DEVELOPED MAX = 50
- TOILET PARTITIONS: SOLID PLASTIC BY ACCURATE PARTITIONS CORP. OR EQUIVALENT w/ FLOOR ANCHORS, OVERHEAD BRACE OR EQUIVALENT. MINIMUM FLAME SPREAD RATING: 50. MINIMUM SMOKE DEVELOPMENT RATING: 450. (BY OTHERS)
- INTERIOR VENTILATION: EAVE VENTS AND ATTIC VENTS SHALL BE PROVIDED WITH CORROSION-RESISTANT WIRE CLOTH SCREENING, HARDWARE CLOTH, PERFORATED VINYL OR SIMILAR MATERIAL WITH OPENINGS HAVING A LEAST DIMENSION OF NOT LESS THAN 1/16" AND NOT MORE THAN 1/4" INCH, PER C.B.C SECTION 1203.2.1.

DOORS & WINDOWS

- EXTERIOR DOORS: METAL DOORS - 3'-0"x7'-0" HOLLOW METAL DOOR CONSTRUCTION OF 1 SHEET OF 18 GA. GRADE II STEEL ASSEMBLED PER CS242 MINIMUM, AND REINFORCED WITH 20 GA. MINIMUM. FILL DOOR SPACES WITH MINERAL WOOL OR OTHER INSULATION. (REINFORCE BOTH FACES FOR CLOSURE.) PROVIDE FLUSH TOP ON DOORS. HARDWARE REINFORCEMENT SHALL BE 10 GA. MIN FOR HINGES. DOOR FRAME SHALL BE 16 GA. MIN. PRESSED STEEL FRAME ASTM A366. HARDWARE REINFORCEMENT SHALL BE 10 GA. PLATE. FRAMES SHALL BE DESIGNED WITH INTEGRAL STOP AND TRIM. PROVIDE (3) ANCHORS PER JAMB PLUS ADJUSTABLE FLOOR ANCHOR. ROOMS WITH AN OCCUPANT LOAD OF FIVE OR MORE SHALL HAVE DOOR HARDWARE CAPABLE OF BEING LOCKED FROM THE INSIDE (PER CBC 1010.1.11).
- EXTERIOR WINDOWS: PROVIDE ANODIZED ALUMINUM FRAME 5/8" MINIMUM DUAL PANE WINDOW UNITS, AS SHOWN ON FLOOR PLANS. THE 5/8" DIMENSION IS THE MINIMUM THICKNESS FOR THE DUAL GLAZED WINDOW PANEL CONSISTING OF TWO LITES OF GLASS AND THE AIR SPACE.
- GLAZING MATERIAL SHALL BE: EXTERIOR LITE - 3/16" MINIMUM TEMPERED GLASS OR LAMINATED AS - 1 GLASS OF SOLAR GLAZ. GLARE REDUCING TYPE WITH A LIGHT TRANSMISSION FACTOR OF 45% MAXIMUM. INTERIOR LITE - 1/8" MINIMUM CLEAR TEMPERED. MINIMUM AIR SPACE SHALL BE 1/4" SPACE - BENT OR SEALED CORNER ALUMINUM WITH DESICCANT FILL SEALER - BUTYL PRIMARY SEAL AND POLYSULFIDE OR SILICONE SECONDARY SEAL. CERTIFICATION - ALL GLAZING TO BE CERTIFIED IN ACCORDANCE WITH ASTM E-773, E-774.
- HEADER HEIGHT SHALL BE THE SAME AS THE DOOR. ALL OPERABLE SASH SHALL HAVE ALUMINUM SCREENS. WINDOWS SHALL NOT BE MOUNTED TO THE EXTERIOR OSB SURFACE. ALL WINDOWS SHALL MEET THE AAMA G5101-88 VOLUNTARY SPEC. FOR ALUMINUM PRIME WINDOWS AND SLIDING GLASS (ANSI), COMMERCIAL GRADE.

MECHANICAL EQUIPMENT PROTECTION

- ALL MECHANICAL EQUIPMENT SHALL BE THOROUGHLY CLEANED PROGRESSIVELY DURING CONSTRUCTION AND COMPLETION OF THE JOB. ALL OPEN ENDS OF DUCTWORK AND EQUIPMENT SHALL BE COVERED AT END OF EACH WORK DAY AND DURING SHIPMENT OF RELOCATABLE BUILDINGS

FOUNDATION CLEARANCES FROM SLOPES

1808A.7.1 BUILDING CLEARANCE FROM ASCENDING SLOPES. IN GENERAL, BUILDINGS BELOW SLOPES SHALL BE SET A SUFFICIENT DISTANCE FROM THE SLOPE TO PROVIDE PROTECTION FROM SLOPE DRAINAGE, EROSION AND SHALLOW FAILURES. EXCEPT AS PROVIDED IN SECTION 1808A.7.5 AND FIGURE 1808A.7.1, THE FOLLOWING CRITERIA WILL BE ASSUMED TO PROVIDE THIS PROTECTION, WHERE THE EXISTING SLOPE IS STEEPER THAN ONE UNIT VERTICAL IN ONE UNIT HORIZONTAL (100-PERCENT SLOPE). THE TOE OF THE SLOPE SHALL BE ASSUMED TO BE AT THE INTERSECTION OF A HORIZONTAL PLANE DRAWN FROM THE TOP OF THE FOUNDATION AND A PLANE DRAWN TANGENT TO THE SLOPE AT AN ANGLE OF 45 DEGREES (0.79 RAD) TO THE HORIZONTAL. WHERE A RETAINING WALL IS CONSTRUCTED AT THE TOE OF THE SLOPE, THE HEIGHT OF THE SLOPE SHALL BE MEASURED FROM THE TOP OF THE WALL TO THE TOP OF THE SLOPE.

1808A.7.2 FOUNDATION SETBACK FROM DESCENDING SLOPE SURFACE. FOUNDATIONS ON OR ADJACENT TO SLOPE SURFACES SHALL BE FOUND IN FIRM MATERIAL WITH AN EMBEDEDMENT AND SET BACK FROM THE SLOPE SURFACE SUFFICIENT TO PROVIDE VERTICAL AND LATERAL SUPPORT FOR THE FOUNDATION WITHOUT DETRIMENTAL SETTLEMENT. EXCEPT AS PROVIDED FOR IN SECTION 1808A.7.5 AND FIGURE 1808A.7.1, THE FOLLOWING SETBACK IS DEEMED ADEQUATE TO MEET THE CRITERIA WHERE THE SLOPE IS STEEPER THAN 1 UNIT VERTICAL IN 1 UNIT HORIZONTAL (100-PERCENT SLOPE). THE REQUIRED SETBACK SHALL BE MEASURED FROM AN IMAGINARY PLANE 45 DEGREES (0.79 RAD) TO THE HORIZONTAL, PROJECTED UPWARD FROM THE TOE OF THE SLOPE.

FIRE EXTINGUISHER

- EACH CLASSROOM SHALL BE EQUIPPED WITH PRESSURE TYPE FIRE EXTINGUISHERS WITH 2A10BC U.P. RATING, MOUNT ON THE INTERIOR WALL OF THE BUILDING NEAR THE DOORWAYS(S) AT A MAXIMUM HEIGHT OF FEET TO THE TOP OF THE OPERATING HANDLE, AND THE BOTTOM OF F.E. MOUNTED 27" OR LESS A.F.F. FIRE EXTINGUISHERS SHALL BE TOTALLY CHARGED AND HAVE A DIAL INDICATING THE STATE OF CHARGE.

ACCESSIBILITY STANDARDS

REFERENCE: 2016 CALIFORNIA BUILDING CODE (TITLE 24, PART 2, CCR), CHAPTER 11B "ACCESSIBILITY TO PUBLIC..."

SECTION 11B-206.2 BUILDING ACCESSIBILITY. GENERAL

- AT LEAST ONE ACCESSIBLE ROUTE SHALL CONNECT ALL BUILDINGS, ELEMENTS, AND AREAS, AND EACH FLOOR INCLUDING MEZZANINES.

SECTION 11B-216 SIGNAGE

(ALSO REFER TO SECTIONS 11B-703, 1009.9, 1009.10, 1023.9)

- TO IDENTIFY PERMANENT ROOMS & SPACES
- TO PROVIDE DIRECTIONS AND INFORMATION ABOUT SPACES & FACILITIES
- TO IDENTIFY MEANS OF EGRESS
  - AREAS OF REFUGE AND AREA FOR ASSISTED RESCUE (PER 1009.9 AND 1009.11)
  - DIRECTIONS TO AN EXIT (PER 1009.10)
  - DELAYED EGRESS LOCKS (PER 1010.1.9.7 ITEM 6)
  - EXIT WAYS (PER 1013.4)
    - AT EACH GRADE LEVEL EXTERIOR EXIT DOOR
    - AT AN EXIT BY MEANS OF A STAIRWAY OR RAMP ("EXIT STAIR DOWN" OR "EXIT RAMP DOWN")
    - AT AN EXIT ROUTE VIA ENCLOSURE, PASSAGEWAY, CORRIDOR, HALLWAY, ETC.
    - IMMEDIATELY VISIBLE (PER 1013.1)
- TO IDENTIFY PARKING SPACES
- TO IDENTIFY ENTRANCES OR ROUTE TO AN ACCESSIBLE ENTRANCE
- TO IDENTIFY ELEVATORS
- TO IDENTIFY TOILET ROOMS
- TO IDENTIFY PUBLIC TELEPHONES, TTY and ASSISTIVE LISTENING SYSTEMS

SIGNS, WHERE LOCATED WITHIN AN ACCESSIBLE ROUTE, MOUNTED LESS THAN 80" ABOVE THE FINISHED FLOOR, MUST HAVE ROUNDED EDGES OR AN EASED RADIUS MINIMUM OF 0.125".

SECTION 11B-404.2.8 DOOR CLOSING SPEED

- THE SPEED PERIOD OF ACCESSIBLE DOORS SHALL BE 5 SECONDS MINIMUM, FROM AN OPEN DOOR POSITION OF 90 DEGREES, TO A DOOR POSITION OF 12" FROM THE LATCH.

SECTION 11B-404.2.9 DOOR OPENING FORCE

- THE EFFORT TO OPEN ANY DOOR SHALL NOT EXCEED 5LBS, EXCEPT FIRE DOORS, WHICH SHALL NOT EXCEED 15LBS FORCE. THE MINIMUM FORCE NEEDED SHALL BE USED.

SECTIONS 11B-404.2.4.3 RECESSED DOORS

- DOORS RECESSED 8" OR MORE SHALL HAVE STRIKE EDGE CLEARANCES IN ACCORDANCE WITH FIGURE 11B-404.2.4.3.

SECTION 11B-405.5 RAMP WIDTH

- THE CLEAR WIDTH OF A RAMP SHALL BE 48" MINIMUM.

SECTION 11B-505 HANDRAILS

- THE TOP OF THE GRIPPING SURFACE OF HANDRAILS SHALL BE BETWEEN 34" AND 38", MEASURED VERTICALLY FROM WALKING SURFACES AND STAIR NOSINGS.
- HANDRAILS SHALL HAVE AT LEAST 1-1/2" CLEARANCE ALL AROUND.
- HANDRAILS SHALL EXTEND BEYOND, AND IN THE SAME DIRECTION, OF STAIRS AND RAMPS.

SECTION 11B-608.5 WATER CONTROLS

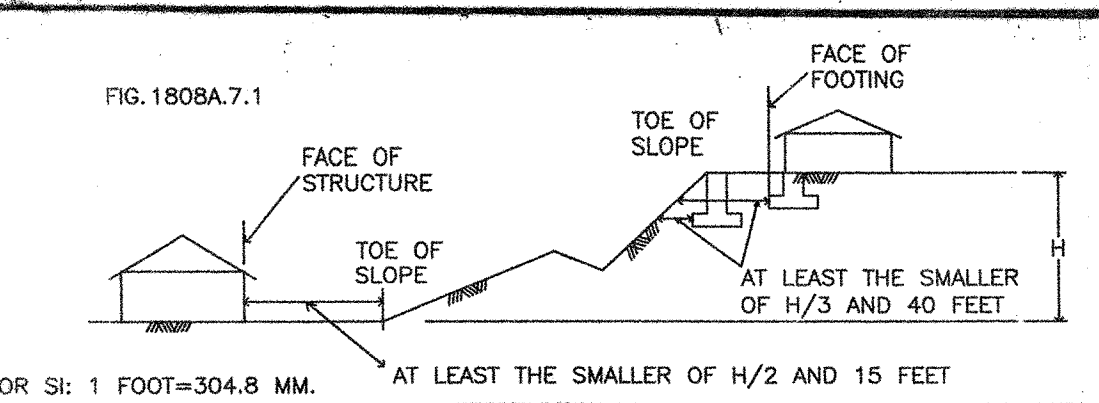
- CONTROLS TO OPERATE A WATER FAUCET OR OUTLET SHALL BE A SINGLE-LEVER DESIGN, CAPABLE OF BEING OPERATED WITH A SINGLE HAND, AND SHALL NOT REQUIRE TIGHT GRASPING, PINCHING, OR TWISTING OF THE WRIST.
- THE FORCE REQUIRED TO OPERATE CONTROLS SHALL NOT EXCEED 5 LBS.

SECTION 11B-604 TOILET ROOMS AND BATHING ROOMS

- AN ACCESSIBLE TOILET STALL SHALL HAVE A MINIMUM WIDTH OF 60" AND SHALL BE EQUIPPED WITH A DOOR THAT HAS AN AUTOMATIC-CLOSING DEVICE, AND SHALL HAVE A CLEAR, UNOBSTRUCTED OPENING WIDTH OF 32 INCHES WHEN LOCATED AT THE END AND 34 INCHES WHEN LOCATED AT THE SIDE, WITH THE DOOR POSITIONED AT AN ANGLE OF 90 DEGREES FROM ITS CLOSED POSITION.
- THE INSIDE AND OUTSIDE OF THE ACCESSIBLE COMPARTMENT DOOR SHALL BE EQUIPPED WITH A LOOP OR U-SHAPED HANDLE IMMEDIATELY BELOW THE LATCH. THE LATCH SHALL BE FLIP-OVER STYLE, SLIDING OR OTHER HARDWARE NOT REQUIRING THE USER TO GRASP OR TWIST.
- EXCEPT FOR DOOR-OPENING WIDTHS AND DOOR SWINGS, A CLEAR, UNOBSTRUCTED ACCESS OF NOT LESS THAN 44 INCHES SHALL BE PROVIDED TO THE WATER CLOSET COMPARTMENTS DESIGNED FOR USE BY PERSONS WITH DISABILITIES.
- A 27"-29" MINIMUM DIMENSION IS REQUIRED FOR LAVATORY/SINK KNEE CLEARANCE, WHICH IS THE DISTANCE FROM THE FINISH FLOOR TO THE UNDERSIDE OF THE LAVATORY/SINK.
- TABLE 11B-604.9 SUGGESTS DIMENSIONS FOR CHILDREN'S USE.

OUTDOOR VENTILATION REQUIREMENTS:

- CLASSROOMS ARE DESIGNED FOR MINIMUM OUTSIDE AIR OF 0.38 CFM PER SF. PER THE CALIFORNIA ENERGY CODE (CEC), SPACES SHALL BE DESIGNED TO THE MINIMUM REQUIREMENTS AS SPECIFIED OR TO 15 CFM PER OCCUPANT, WHICHEVER IS GREATER. PC MANUFACTURER SHALL VERIFY WITH THE SCHOOL DISTRICT THE EXPECTED NUMBER OF OCCUPANTS IN THE CLASSROOM SO THAT THE OUTDOOR VENTILATION RATE FOR MECHANICAL SYSTEMS CAN BE ADEQUATELY ADJUSTED UPON SITE 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 RECIRCULATED AIR THAT THE VENTILATION SYSTEMS ARE DESIGNED TO PROVIDE TO EACH AREA.
- FOR CLASSROOMS GREATER THAN 750 SF OCCUPANT SENSOR VENTILATION CONTROL DEVICES SHALL BE INSTALLED PER CEC 120.2(e)3, AND SHALL OPERATE IN ACCORDANCE WITH CEC 120.1(c)5.



LIGHT GAUGE METAL STUDS & COLD FORMED STEEL

- ALL LIGHT GAUGE METAL STUDS & COLD FORMED STEEL SHALL BE FORMED FROM STEEL THAT CORRESPONDS TO THE MINIMUM REQUIREMENTS OF THE AISI S100-07/S2-10.
- ALL GALVANIZED STUDS, JOISTS, TRACK, BRIDGING AND ACCESSORIES SHALL BE FORMED FROM STEEL HAVING A GALVANIZED COATING MEETING THE REQUIREMENTS OF ASTM A653.
- CUSTOM FORMED SHAPES SHALL BE BENT FROM ASTM A1011 STEEL SHEETS.
- STUD AND TRACK DESIGNATIONS ARE BASED ON STEEL STUD MANUFACTURERS ASSOCIATION. ICC-ES EVALUATION REPORT ESR-3064P.
- GALVANIZED FRAMING PRODUCTS SHALL BE COATED IN ACCORDANCE WITH 2012 AISI S200-12, SECTION A4. PRODUCTS WILL BE FURNISHED WITH A G-60 OR EQUIVALENT COATING IF SPECIFIED, AND SHALL BE IN CONFORMANCE WITH ASTM A653, OTHERWISE, G-90 OR EQUIVALENT COATING WILL BE PROVIDED.
- LIGHT GAUGE STEEL TUBES FOR CHAIR RAILS/POSTS SHALL BE 33 KSI MINIMUM W/ A MODULUS OF ELASTICITY OF 29,500 KSI ±3%. ACCEPTABLE STEEL MATERIALS INCLUDE, BUT ARE NOT LIMITED TO, THE FOLLOWING:
  - ASTM A1011 SS GRADE 33 (F<sub>y</sub> = 33 KSI)
  - ASTM A653 SS GRADE 33 (F<sub>y</sub> = 33 KSI)
  - ASTM A1008 SS GRADE 33 (F<sub>y</sub> = 33 KSI)
- FLAT STRAP CROSS BRACING AT ROOF DIAPHRAGMS SHALL BE:
  - ASTM A1011 SS GRADE 50 (F<sub>y</sub> = 50 KSI)
  - ASTM A1008 SS GRADE 50 (F<sub>y</sub> = 50 KSI)
  - OR ASTM A653 SS GRADE 50 (F<sub>y</sub> = 50 KSI)
- WELDING OF LIGHT GAUGE METAL STUDS & COLD FORMED STEEL SHALL COMPLY WITH AWS D1.3-08.

ABBREVIATION LEGEND

A	ACCESSIBLE	FURR	FURRED (---ING)	RES	RESILIENT
AC	ASPHALT CONCRETE	GA	GAUGE	RWD	REDWOOD
A/C	AIR CONDITIONING	GB	GYPSON BOARD	RWL	RAIN WATER LEADER
ACI	AMERICAN CONCRETE INSTITUTE	GL	GLASS OR GLAZING	SCH/SCHED	SCHEDULE
ACOUS	ACOUSTICAL	GLV/GLV	GALVANIZED	SD	STORM DRAIN
ADD	ADDENDUM	GSM	GALVANIZED SHEET METAL	SDSTS	SELF DRILLING SELF TAPPING SCREW
ADD'L	ADDITIONAL	GYP	GYPSON	SEC	SECTION
ADJ	ADJUSTABLE OR ADJACENT	GYP.BD.	GYPSON BOARD	SEP	SEPARATION
ASIS	AMERICAN INSTITUTE OF STEEL CONSTRUCTION			SF	SQUARE FEET
ALT	ALTERNATE	HB	HOSE BIBB	SHT	SHEET
ALUM	ALUMINUM	HC	HOLLOW CORE	SHG	SHEATHING
ANSI	AMERICAN NATIONAL STANDARDS INSTITUTE	HDR	HEADER	SIM	SIMILAR
ARCH	ARCHITECT(URAL)	HDW	HARDWOOD	SMS	SHEET METAL SCREW
ASTM	AMERICAN SOCIETY FOR TESTING AND MATERIALS	HF	HEM FIR	SP	STRUCTURAL PLYWOOD
AWC	AMERICAN WOOD COUNCIL	HM	HOLLOW METAL (STEEL)	SPEC	SPECIFICATIONS
AWPA	AMERICAN WOOD PROTECTION ASSOCIATION	HSS	HOLLOW STRUCTURAL SECTION (STEEL)	SQ	SQUARE
AWS	AMERICAN WELDING SOCIETY	HT	HEIGHT	SS	STAINLESS STEEL
		HVAC	HEATING VENTILATING AIR CONDITIONING	STAGG	STAGGERED
		HW	HOT WATER	STN	STAIN
				STD	STANDARD
				STL	STEEL
				STS	SELF TAPPING SCREW
				STSMS	SELF TAPPING SHEET METAL SCREW
BD	BOARD	IAPMO	INTERNATIONAL ASSOCIATION OF PLUMBING AND MECHANICAL OFFICIALS	T&B	TOP AND BOTTOM
BLDG	BLOCK	ICC	INTERNATIONAL CODE COUNCIL	T&G	TONGUE AND GROOVE
BLK	BLOCKING	ID	INSIDE DIAMETER	TEMP	TEMPERED
BLW	BELOW	IN	INCH	THRU	THROUGH
BM	BEAM	INSUL	INSULATE (D), (ION)	TJ	TOOL JOINT
BN	BOUNDARY NAILING	INT	INTERIOR	TOC	TOP OF CURB, CRICKET, OR CONCRETE
BOT/BOTT	BETWEEN	INV	INVERT	TOP	TOP OF PARAPET
BWR	BUILT UP ROOFING	IR	INTERPRETATION OF REGULATIONS	TOS	TOP OF SLAB, SHEATHING, OR STEEL
C	CARPET	ISA	INTERNATIONAL SYMBOL OF ACCESSIBILITY/ACCESS	TOW	TOP OF WALL
CAB	CABINET	JT	JOINT	TRANS	TRANSVERSE
CB	CATCH BASIN			TV	TOP OF SHEATHING
CB	CALIFORNIA BUILDING CODE			TS	TELEVISION
CCR	CALIFORNIA CODE OF REGULATIONS	KSI	KIPS PER SQUARE INCH (KIPS = 1,000LBS)	TYP	TYPICAL
CEM	CEMENT				
CF	CUBIC FOOT	LAM	LAMINATE(D)	UON	UNLESS OTHERWISE NOTED
CJ	CONTROL JOINT	LAV	LAVATORY	UNO	UNLESS NOTED OTHERWISE
CJP	COMPLETE JOINT PENETRATION	LB	POUND		
CLG	CEILING	LLH	LONG LEG HORIZONTAL	VAR	VARIES
CLR	CLEAR	LLV	LONG LEG VERTICAL	VCT	VINYL COMPOSITION TILE
CT	CERAMIC TILE	LDNG	LANDING	VCBT	VINYL COVERED TACKBOARD
CMU	CONCRETE MASONRY UNIT	LONG	LONGITUDINAL	VERT	VERTICAL
CNEL	COMMUNITY NOISE EQUIVALENT LEVEL	LS	LAG SCREW	VOC	VOLATILE ORGANIC COMPOUND(S)
CO	CLEAN OUT	LT	LIGHT	VFY	VERIFY
COLN	COLUMN	LW	LIGHT WEIGHT	VIF	VERIFY IN FIELD
CONC	CONCRETE	LWC	LIGHT WEIGHT CONCRETE	VWC	VINYL WALL COVERING
CONN	CONNECTION				
CONT	CONTINUOUS	MATL	MATERIAL	W/	WITH
CSK	COUNTERSINK	MAX	MAXIMUM	WD	WOOD
CTRD	CENTERED	MB	MECHANICAL BOLT	WF	WIDE FLANGE
CW	COLD WATER	MECH	MECHANICAL	WIN	WINDOW
		MFG	MANUFACTURING	W/O	WITHOUT
		MFR	MANUFACTURER	WS	WOODSCREW
		MIR	MINIMUM	WSCOT	WAINSCOT
		MISC	MISCELLANEOUS	WT	WEIGHT
		MM	MILLIMETER	WWF	WELDED WIRE FABRIC
		MTL	METAL		
				∠	ANGLE
				⊙	AT
				⊙	CENTER LINE
				°	DIAMETER
				°	DEGREES
				M	MODULE LINE
				±	PLUS/MINUS
(E)	EXISTING	O/	OVER		
EA	EACH	OC	ON CENTER		
EJ	EXPANSION JOINT	OD	OUTSIDE DIAMETER		
ELEV	ELEVATION	OH	OPPOSITE HAND OR OVERHANG		
ELECT	ELECTRICAL	OL	OCCUPANT LOAD		
EMBED	EMBEDMENT	OPG	OPENING		
EMT	ELECTRICAL MAGNETIC TUBING	OPP	OPPOSITE		
EN	EDGE NAILING	OSB	ORIENTED STRAND BOARD		
ETC	ET CETERA				
EQU	EQUAL				
EXP	EXPOSURE	PL	PROPERTY LINE		
EXT	EXTERIOR	PLAM	PLASTIC LAMINATE		
		PLAS	PLASTER		
		PLF	POUNDS PER LINEAR FOOT		
		PLT	PLATE		
		PLWD/PLY	PLYWOOD		
		PNL	PANEL		
		POC	POINT OF CONNECTION		
		PS	PRODUCT STANDARD		
		PSF	POUNDS PER SQUARE FOOT		
		PSI	POUNDS PER SQUARE INCH		
		PT	PRESSURE TREATED		
		PTDF	PRESERVATIVE TREATED DOUGLAS FIR		
		PTN	PARTITION		



DOORS						FRAMES			REMARKS
DOOR NO.	DOOR TYPE	DOOR SIZE	QUANTITY	MATERIAL	FINISH	HARDWARE SET NO.	FRAME TYPE	MATERIAL	
(1)	(01)	3'-0" x 7'-0"	3	HM	PT	A	(F)	S	
1	01	3'-0" x 7'-0"	3	HM	PT	A	(F)	S	HARDWARE LOCKABLE FROM THE INSIDE, SEE DOOR NOTE #3
2	02	3'-0" x 7'-0"	5	HM	PT	A	(F)	S	
3	03	2'-0" x 7'-0"	2	HM	PT	A	(F)	S	
4	04	3'-0" x 7'-0"	1	SC	CLR	C	(F)	S	

**DOOR ABBREVIATIONS**

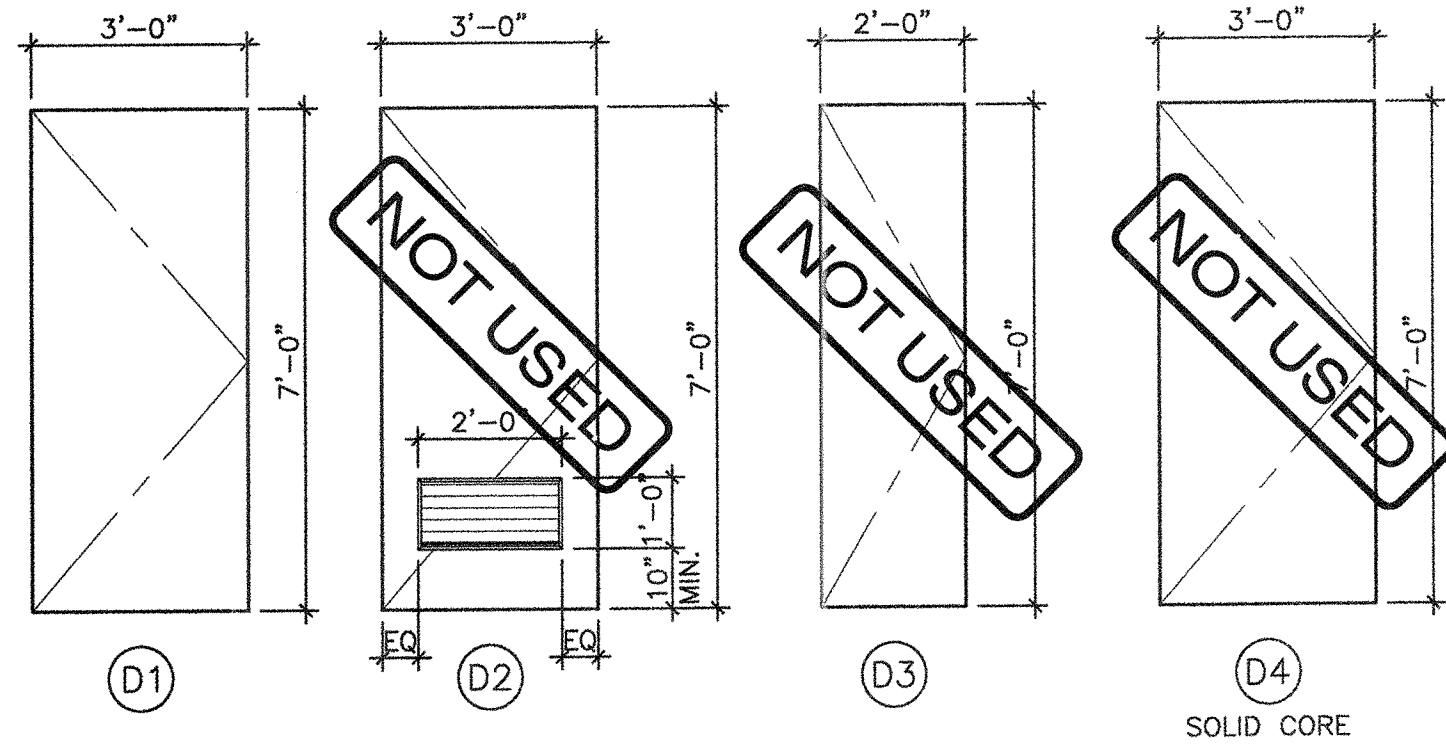
HM - HOLLOW METAL  
AL - ALUMINUM  
S - STEEL  
SST - STAINLESS STEEL  
STL - STEEL FRAME, 16ga. FULLY WELDED  
WWF - WINDOW WALL FRAME

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

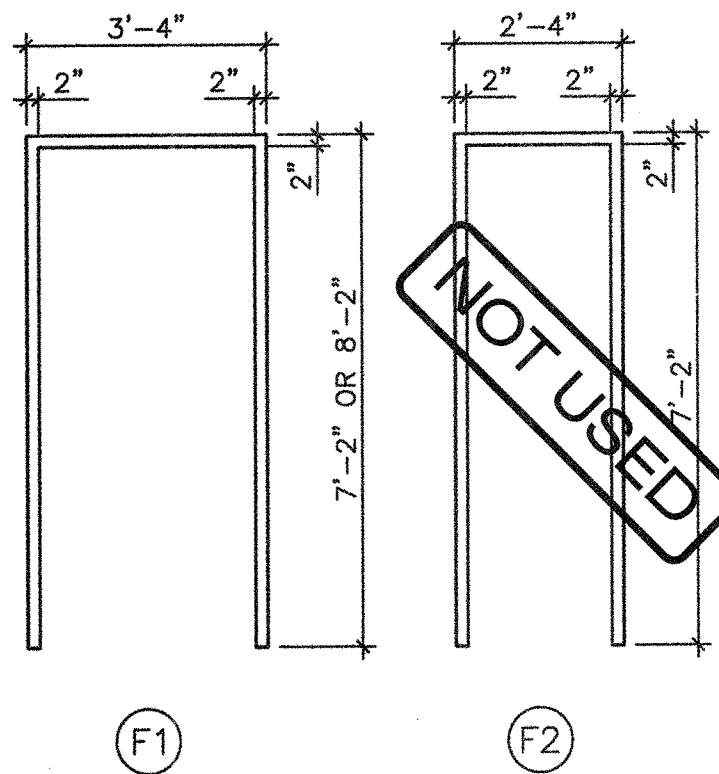
**DOOR NOTES**

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

#### DOOR SCHEDULE



#### DOOR TYPES



#### DOOR FRAME TYPES

A	EXTERIOR DOOR LOCKSET w/LEVER RHODES SCHLAGE ND95PD
B	EXTERIOR DOOR PANIC BAR w/PULL ON EXTERIOR VON DUPRIN AX2ENL (REQUIRED WHEN OCCUPANT LOAD IS 50 OR MORE)
C	INTERIOR PASSAGE COPPER CREEK 0220 PASSAGE w/ADA LEVER
D	INTERIOR RESTROOM COPPER CREEK 0231 RESTROOM w/ADA LEVER
E	INTERIOR ENTRY/OFFICE COPPER CREEK 0211 ENTRY/OFFICE w/ADA LEVER
F	INTERIOR STOREROOM COPPER CREEK 0250 STOREROOM w/ADA LEVER
G	INTERIOR CLASSROOM COPPER CREEK 0205 CLASSROOM w/ADA LEVER

**EXTERIOR DOOR HARDWARE**

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

\*ADDITIONAL DOORS MAY BE REQUIRED BASED ON BUILDING LAYOUT.

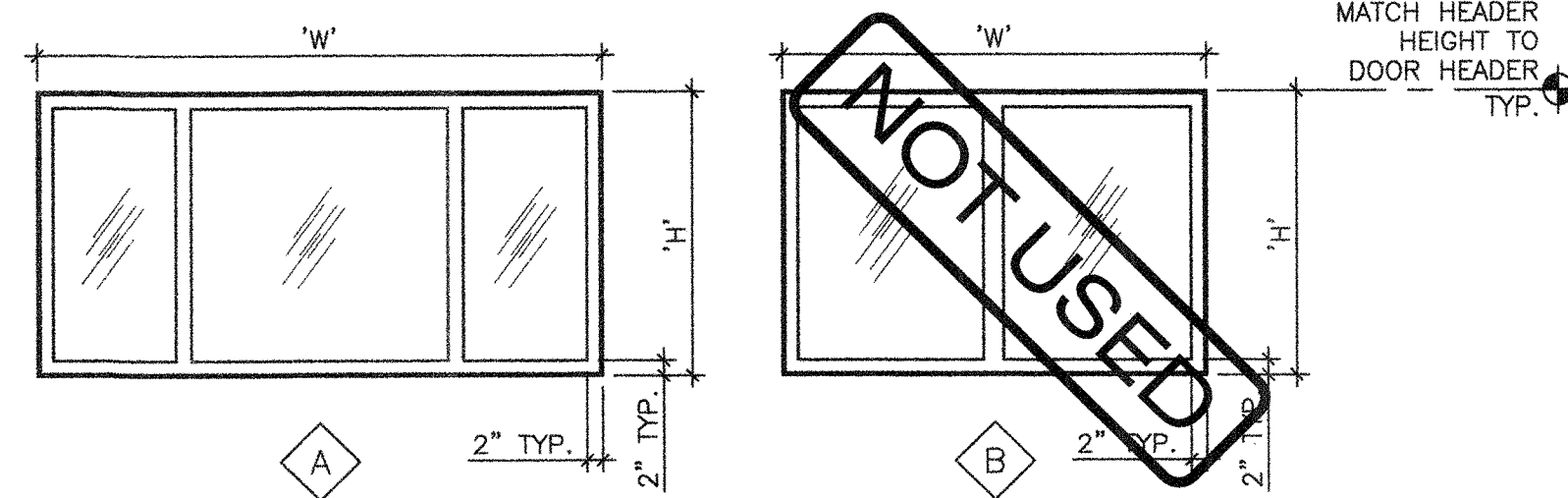
#### DOOR HARDWARE SCHEDULE

WINDOW TYPE	QTY.	FUNCTION	'W' WIDTH	'H' HEIGHT	FINISH	GLASS TYPE	U FACTOR	SHGC	VT MIN	MIN STC RATING	REMARKS
A	6	FIXED	10'-0" MAX.	8'-0" MAX.	BRONZE ANODIZED	SOLAR GREY	0.780	0.430	0.37	27	INOPERABLE
B	6	FIXED	8'-0" MAX.	8'-0" MAX.	BRONZE ANODIZED	SOLAR GREY	0.780	0.430	0.37	27	INOPERABLE

#### WINDOW NOTES

1. EXTERIOR LITE - 3/16" MINIMUM TEMPERED GLASS, OR LAMINATED AS 1 GLASS OF SOLAR GRAY GLARE REDUCING TYPE WITH A LIGHT TRANSMISSION FACTOR OF 45% MAXIMUM.
2. WINDOWS THAT MEETS ALL OF THE FOLLOWING CONDITIONS SPECIFIED IN SECTION 2406.4.3, SHALL BE CONSIDERED A HAZARDOUS LOCATION:
- A. THE EXPOSED AREA OF AN INDIVIDUAL PANE IS GREATER THAN 9 SQUARE FEET.  
B. THE BOTTOM EDGE OF THE GLAZING IS LESS THAN 18" ABOVE FINISH FLOOR.  
C. THE TOP EDGE OF THE GLAZING IS GREATER THAN 36" ABOVE FINISH FLOOR.  
D. ONE OR MORE WALKING SURFACE(S) ARE WITHIN 36", MEASURED HORIZONTALLY AND IN A STRAIGHT LINE, OF THE PLANE OF THE GLAZING.
3. WINDOWS THAT ARE CONSIDERED A HAZARDOUS LOCATION SHALL CONTAIN FULLY TEMPERED SAFETY GLAZING & MEET THE FOLLOWING REQUIREMENTS:
- A. PASS THE IMPACT TEST REQUIREMENTS IN ACCORDANCE WITH "CPSC 16 CFR PART 1201" PER SECTION 2406.2, WITH A TEST CRITERIA OF CATEGORY II, UNLESS OTHERWISE INDICATED IN C.B.C. TABLE 2406.2(1).  
B. IDENTIFICATION OF SAFETY GLAZING PER C.B.C. 2406.3

#### WINDOW SCHEDULE



NOTE: WINDOWS ARE INOPERABLE.

#### WINDOW TYPES

#### FINISHES

ROOM NUMBER	ROOM NAME	FLOOR	BASE	WALLS				CEILING	CEILING HEIGHT	REMARKS
				FRONT	REAR	RIGHT	LEFT			
101 TYP	CLASSROOM - STANDARD	A	D	F	F	F	F	K	8'-6"	
<del>102 TYP</del>	<del>CLASSROOM - STANDARD</del>	<del>A</del>	<del>D</del>	<del>F</del>	<del>F</del>	<del>F</del>	<del>F</del>	<del>K</del>	<del>8'-6"</del>	
<del>TYP</del>	<del>BOYS R.R.</del>	<del>B</del>	<del>E</del>	<del>J</del>	<del>J</del>	<del>J</del>	<del>J</del>	<del>H</del>	<del>8'-6"</del>	
<del>TYP</del>	<del>GIRLS R.R.</del>	<del>B</del>	<del>E</del>	<del>J</del>	<del>J</del>	<del>J</del>	<del>J</del>	<del>H</del>	<del>8'-6"</del>	
<del>TYP</del>	<del>STAFF ROOM</del>	<del>D</del>	<del>E</del>	<del>J</del>	<del>J</del>	<del>J</del>	<del>J</del>	<del>H</del>	<del>8'-6"</del>	
<del>TYP</del>	<del>SINGLE TOILET R.R.</del>	<del>B</del>	<del>E</del>	<del>J</del>	<del>J</del>	<del>J</del>	<del>J</del>	<del>H</del>	<del>8'-6"</del>	

#### FINISH INDICATOR OPTIONS

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

#### ROOM FINISHES SCHEDULE

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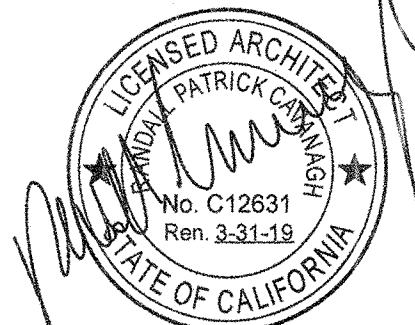
24'x40' THRU 120'x40'  
STANDARD MODULAR  
BUILDINGS

SITE SPECIFIC PROJECT NAME

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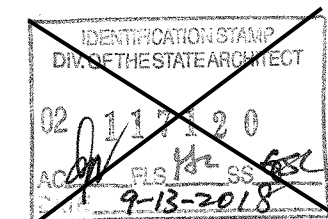
TYPICAL SCHEDULES  
DOORS, WINDOWS  
& FINISHES

MANUFACTURER PROFESSIONAL OF RECORD ON PC

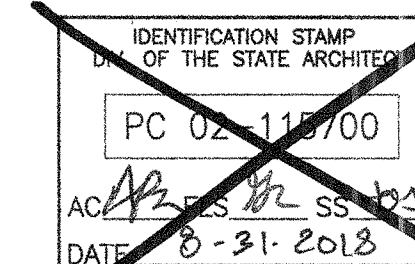


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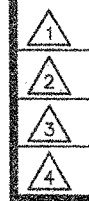
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CODE: 2016 CBC  
A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRED.

REVISIONS



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SCALE: AS NOTED

DATE:

SHEET NUMBER

N3.0



<p>NOTE: * (SIGN....)</p>	<p>NOTE: * (SIGN....)</p>	<p>NOTE: * (SIGN....)</p>	<p>NOTE: * (SIGN....)</p>	<p>NOTE: * (SIGN....)</p>
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PRE-CHECKED SET NAME

24'x40' THRU 120'x40' STANDARD MODULAR BUILDINGS

SITE SPECIFIC PROJECT NAME

SHEET TITLE

ACCESSIBILITY STANDARDS AND DETAILS

MANUFACTURER PROFESSIONAL OF RECORD ON PC

APPROVED ARCHITECT

DATE: 05/14/2021

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PROJECT SPECIFIC STATE AGENCY APPROVAL

ORIGINAL PC STATE AGENCY APPROVAL

IDENTIFICATION STAMP

PC 0015700

DATE: 8-31-2018

PRE-CHECK (PC) DOCUMENT

CODE: 2016.CBC

A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRED.

REVISIONS

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SCALE: AS NOTED

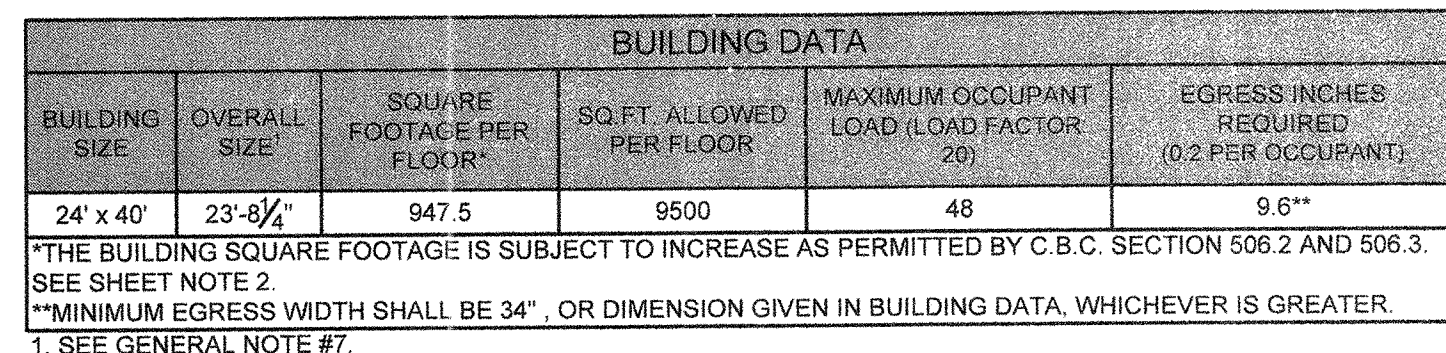
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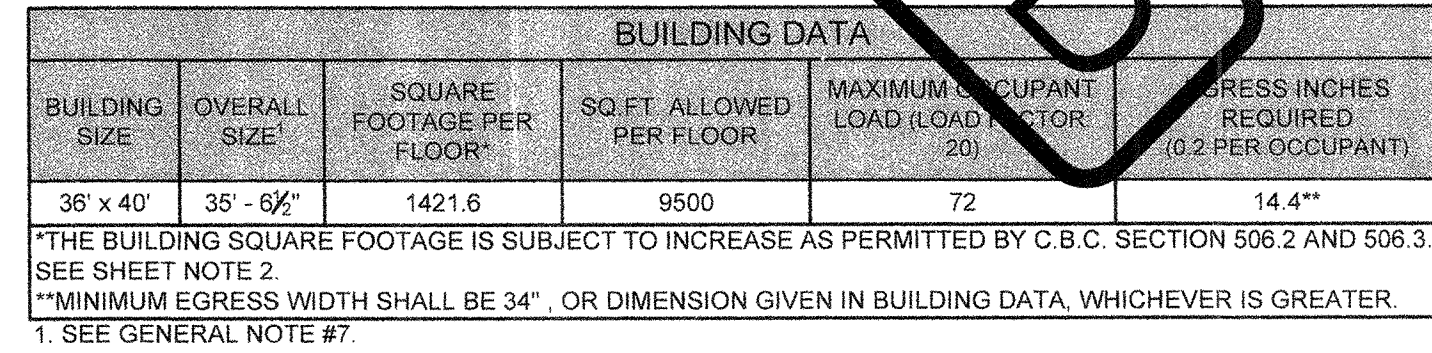
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RV-1 PCX06

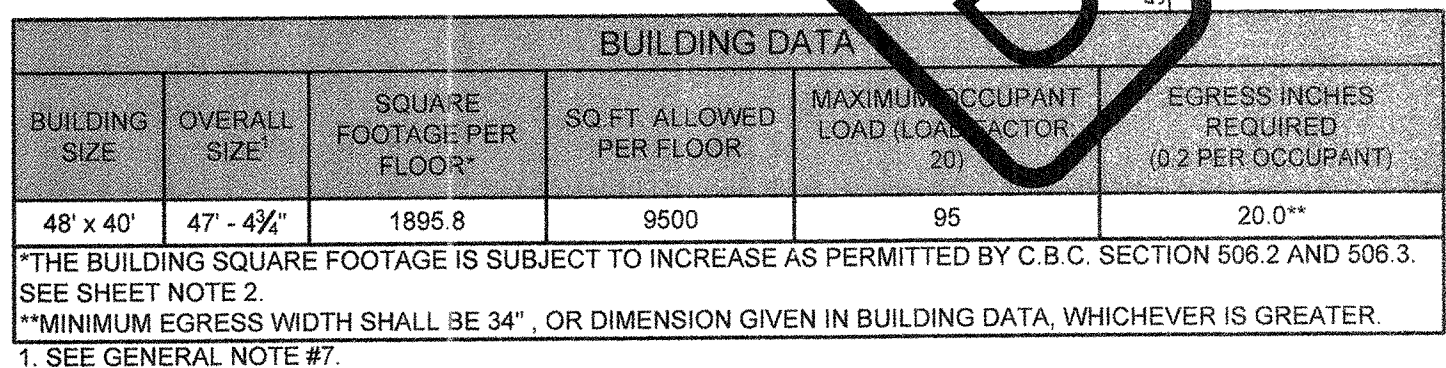




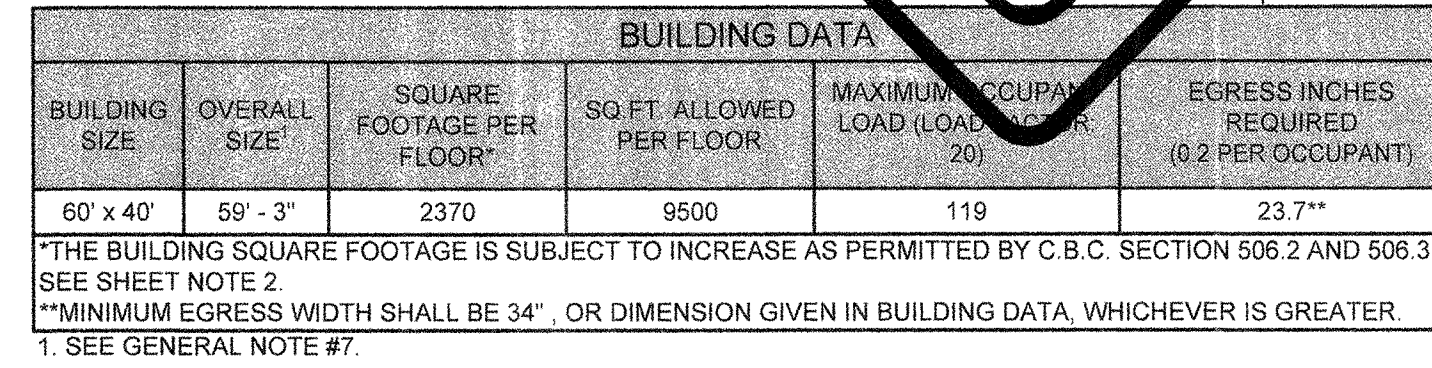
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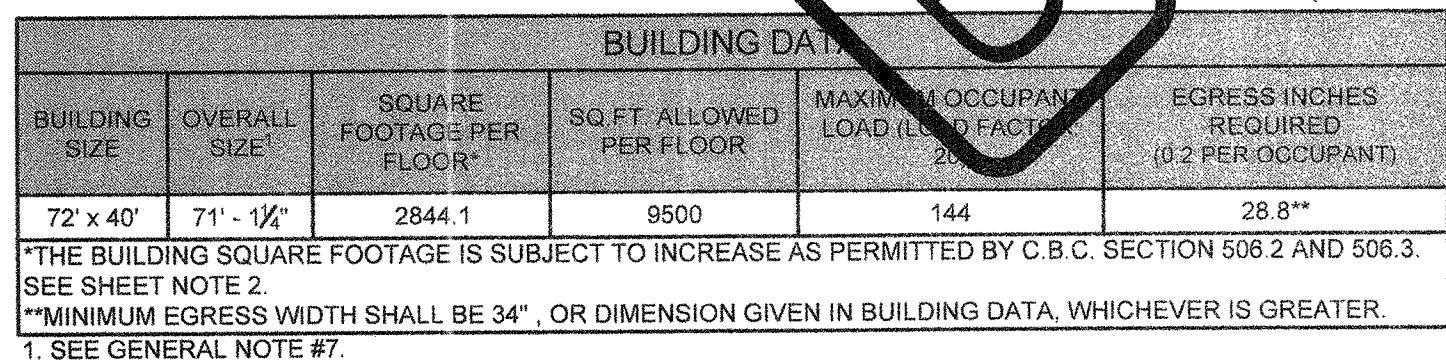
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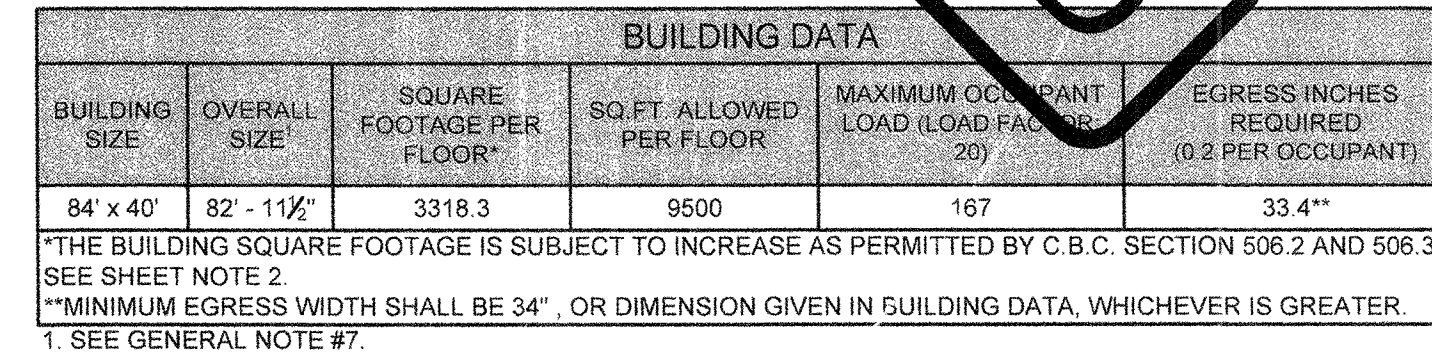
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SCALE: 1/16" = 1'-0"



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



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

- SITENOTE:

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

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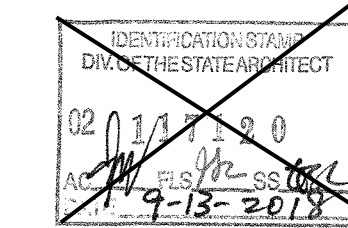
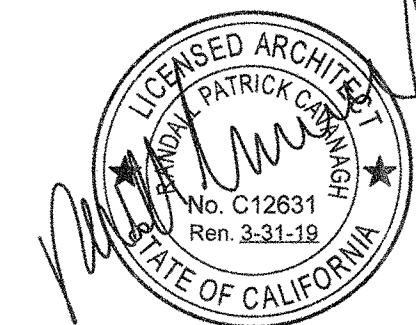
24'x40' THRU 120'x40'  
STANDARD MODULAR  
BUILDINGS

SITE SPECIFIC PROJECT NAME

SHEET TITLE

## MULTIPLE FLOOR PLAN CONFIGURATIONS

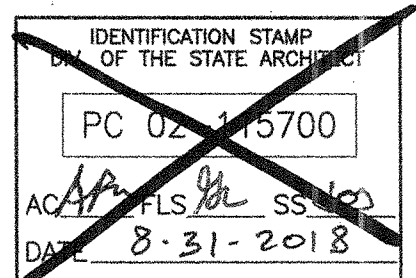
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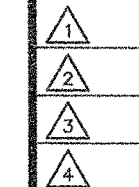


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CODE: 2016 CBC

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## REVISIONS



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SCALE: AS NOTED

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

SHEET NUMBER

# N5.0

GENERAL NOTES

RV-1 PCX07



DSA IR N-1  
PRE-CHECK DESIGNS CALGREEN/ENERGY CODE COMPLIANCE REVIEW

Attachment 1  
AMS PC 24'x40' PC

Performance Runs and Orientation Table

PC Design Review Information					Title 24, Part 6, Energy Code				
Date of Title 24 Report: 2/27/2018					DSA Application: #02-116141				
Model Name and Option: AMS PC 24'x40'					DSA File No:				
Total Floor Area: 960 ft <sup>2</sup>					DSA-1 Submittal Date:				
HVAC System Type: Split-DX HP									
Climate Zone (Reference City)	Azimuth (Front Orientation)	TDV - Proposed Design	TDV - Standard Design	Compliance Margin					
14 (Palmdale)	75	284.0	339.4	44.5					
	120	285.5	338.2	49.0					
	165	277.4	335.9	48.4					
	210	284.1	329.9	47.8					
	255	288.1	333.7	45.6					
15 (Palm Springs-Int'l)	30	344.8	368.3	27.4					
	75	348.5	369.9	46.4					
	120	348.1	361.3	45.2					
	165	338.1	358.5	19.4					
	210	343.8	373.6	29.7					
16 (Blue Canyon)	30	346.0	367.7	28.7					
	75	338.7	369.9	19.3					
	120	236.5	288.5	83.0					
	165	227.8	280.2	52.8					
	210	254.3	302.1	67.6					
Total					3,380.0				

Comments to DSA: Explain why this Model Name and Option generates the smallest compliance margins

Windows increases heating or cooling load due to orientation

IR N-1 (Draft - Input new data) Page 2  
DIVISION OF THE STATE ARCHITECT DEPARTMENT OF GENERAL SERVICES STATE OF CALIFORNIA

DSA IR N-1  
PRE-CHECK DESIGNS CALGREEN/ENERGY CODE COMPLIANCE REVIEW

Attachment 1  
AMS PC 120'x40' PC

Performance Runs and Orientation Table

PC Design Review Information					Title 24, Part 6, Energy Code				
Date of Title 24 Report: 2/27/2018					DSA Application: #02-115700				
Model Name and Option: AMS PC 120'x40'					DSA File No:				
Total Floor Area: 4,800 ft <sup>2</sup>					DSA-1 Submittal Date:				
HVAC System Type: Split-DX HP									
Climate Zone (Reference City)	Azimuth (Front Orientation)	TDV - Proposed Design	TDV - Standard Design	Compliance Margin					
14 (Palmdale)	75	275.7	312.2	36.5					
	120	282.1	323.6	41.5					
	165	276.8	316.2	39.3					
	210	286.7	305.1	18.4					
	255	276.4	311.3	34.9					
15 (Palm Springs-Int'l)	30	333.5	368.1	24.7					
	75	336.9	370.4	33.5					
	120	337.1	361.2	24.1					
	165	307.6	343.3	15.6					
	210	334.4	358.7	24.3					
16 (Blue Canyon)	30	256.6	288.4	28.8					
	75	265.7	298.1	34.2					
	120	260.2	288.1	26.9					
	165	251.1	282.9	11.8					
	210	260.1	286.9	26.8					
Total					3,380.0				

Comments to DSA: Explain why this Model Name and Option generates the smallest compliance margins

Windows increases heating or cooling load due to orientation

IR N-1 (Draft - Input new data) Page 1  
DIVISION OF THE STATE ARCHITECT DEPARTMENT OF GENERAL SERVICES STATE OF CALIFORNIA

Project Name	AMS - Modular Classroom 24x40	NICC-PRF-01-E	Page 9 of 18	
Project Address	Palmdale	Calculation Date/Time	09/03, Tue, Feb 27, 2018	
Compliance Scope	New/Complete	Input File Name	AMS 24x40 for DSA - C214 (B) cdb10	
<b>A. PROJECT GENERAL INFORMATION</b>				
1. Project Location (city)	Palmdale	8. Standards Version	Compliance 2015	
2. CA Title Code	0903	9. Compliance Software (version)	CESCC Com 2015.1.0 SP1	
3. Occupancy Type	14	10. Weather File	HUMID361_72180_C2100.sow	
4. Total Conditioned Floor Area in Scope	960 ft <sup>2</sup>	11. Building Orientation (deg)	(N) 945 deg	
5. Total Unconditioned Floor Area	0 ft <sup>2</sup>	12. Permitted Scope of Work	New/Complete	
6. Total # of Stories (Below/At/Above Grade)	0/1	13. Building Type(s)	Nonresidential	
7. Total # of Dwelling Units	0	14. Fan Type	Nonresidential	
<b>B. COMPLIANCE RESULTS FOR PERFORMANCE COMPONENTS (Annual TDD Energy Use, kWh/ft<sup>2</sup>/yr)</b>				
<b>BUILDING COMPLETION</b>				
1. Energy Component	2. Standard Design (TDD)	3. Proposed Design (TDD)	4. Compliance Margin (TDD)	5. Percent Better than Standard
Space Heating	21.68	46.40	24.72	-114.0%
Space Cooling	124.13	124.13	20.10	16.6%
Water Heating	109.28	43.74	65.54	59.9%
Refrigeration	1.00	1.00	0.00	0.0%
Pumps & Fans	1.00	1.00	0.00	0.0%
Domestic Hot Water	1.00	1.00	0.00	0.0%
Lighting	43.61	24.91	21.25	48.7%
COMPLIANCE TOTAL	314.15	277.58	36.57	11.7%
Penalties	0.00	0.00	0.00	0.0%
Other Add'l	0.00	0.00	0.00	0.0%
Penalty Multiplier	1.00	1.00	0.00	0.0%
TOTAL	314.15	277.58	36.57	11.7%

CA Building Energy Efficiency Standards - 2016 Nonresidential Compliance  
Report Version: NICC-PRF-01-E-122020176-5302  
Report Generated at: 2018-02-27 09:03:27

Project Name:	AMS Modular Classroom 24x40	NICC-PRF-01-E	Page 2 of 18
Project Address:	Palmdale	Calculation Date/Time:	09/03, Tue, Feb 27, 2018
Compliance Scope:	New/Complete	Input File Name:	AMS 24x40 for DSA - C214 (B) cdb10
<b>C. PRIORITY PLAN CHECK / INSPECTION ITEMS</b> (in order of highest to lowest TDD energy savings)			
1st	Indoor Fan: Check envelope and mechanical	<b>Compliance Margin by Energy Component (from Table B column 4)</b>  Indoor Fans Indoor Lighting Heat Rejection Pumps & Misc. Domestic Hot Water Space Heating Space Cooling	
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 Heating: Check envelope and mechanical		
7th	Space Cooling: 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.			
<b>E. HERS VERIFICATION</b> This Section Does Not Apply			
<b>F. ADDITIONAL REMARKS</b> Roof: the roof U-value has been calculated using E-Frame per CEC guidance. U-value = 0.070			

CA Building Energy Efficiency Standards - 2016 Nonresidential Compliance  
Report Version: NICC-PRF-01-E-122020176-5302  
Report Generated at: 2018-02-27 09:03:27

Project Name:	AMS Modular Classroom 24x40	NICC-PRF-01-E	Page 9 of 18
Project Address:	Palmdale	Calculation Date/Time:	09/03, Tue, Feb 27, 2018
Compliance Scope:	New/Complete	Input File Name:	AMS 24x40 for DSA - C214 (B) cdb10
<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 units on plans.			
Building Component	Compliance Path	Compliance Forms (required for submittal)	Location of Mandatory Units on Plans
Envelope	Performance	NICC-PRF-ENV-DETAILS (section of the NICC-PRF-01-E)	
	Prescriptive	NICC-ENV-01 / 02 / 03 / 04 / 05 / 06 / 07	M1.7
	NA		
Mechanical	Performance	NICC-PRF-MCH-01/02/03 (section of the NICC-PRF-01-E)	
	Prescriptive	NICC-MCH-01 / 02 / 03 / 04 / 05 / 06 / 07 / 08	M1.7
	NA		
Domestic Hot Water	Performance	NICC-PRF-DHW-DETAILS (section of the NICC-PRF-01-E)	
	Prescriptive	NICC-DHW-01	F1.0
	NA		
Lighting (Indoor Conditioned)	Performance	NICC-PRF-LT-DETAILS (section of the NICC-PRF-01-E)	
	Prescriptive	NICC-LT-01 / 02 / 03 / 04 / 05	F1.0
	NA		
Controlled Process: Commercial Kitchens	Performance	NICC-PRF-CP-01 (section of the NICC-PRF-01-E)	
	Prescriptive	NICC-CP-01 / 02	
	NA		
Controlled Process: Computer Rooms	Performance	NICC-PRF-CP-02 (section of the NICC-PRF-01-E)	
	Prescriptive	NICC-CP-02 / 03	
	NA		
Controlled Process: Laboratory Exhaust	Performance	NICC-PRF-CP-03 (section of the NICC-PRF-01-E)	
	Prescriptive	NICC-CP-03 / 04	
	NA		

CA Building Energy Efficiency Standards - 2016 Nonresidential Compliance  
Report Version: NICC-PRF-01-E-122020176-5302  
Report Generated at: 2018-02-27 09:03:27

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Project Address: Palmdale		Calculation Date/Time: 09/03, Tue, Feb 27, 2018					
Compliance Scope: New/Complete		Input File Name: AMS 24x40 for DSA - C214 (B) cdb10					
<b>G. COMPLIANCE PATH &amp; CERTIFICATE OF COMPLIANCE SUMMARY</b>							
The following building components are only eligible for prescriptive compliance. Indicate which are relevant to the project.							
The following building components may also have mandatory requirements per Part 6. Indicate which are relevant to the project.							
Yes	NA	Prescriptive Requirements	Compliance Forms	Yes	NA	Mandatory Requirements	Compliance Forms
<input checked="" type="checkbox"/>	<input type="checkbox"/>	Lighting (Indoor/Unconditioned) 3.14.0.6	NICC-CTD-01 / 02 / 03 / 04 / 05 / 06	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Communications 3.11.0.2	NICC-CAR-01 / 02 / 03 / 04 / 05 / 06 / 07
<input checked="" type="checkbox"/>	<input type="checkbox"/>	Lighting (Swimming) 3.14.0.7	NICC-CTD-03 / 02 / 04 / 1	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Control Systems	NICC-CR-01
<input checked="" type="checkbox"/>	<input type="checkbox"/>	Lighting (Swimming) 3.14.0.8	NICC-CTD-03	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Control Systems	NICC-CR-01
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Water Treatment/ Water Striking 3.14.0.9	NICC-CTD-03	<input type="checkbox"/>	<input type="checkbox"/>	Control Systems	NICC-CR-01
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<input type="checkbox"/>	<input checked="" type="checkbox"/>	Water Treatment/ Water Striking 3.14.0.9	NICC-CTD-03	<input type="checkbox"/>	<input type="checkbox"/>	Control Systems	NICC-CR-01
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<input type="checkbox"/>	<input checked="" type="checkbox"/>	Water Treatment/ Water Striking 3.14.0.9	NICC-CTD-03	<input type="checkbox"/>	<input type="checkbox"/>	Control Systems	NICC-CR-01
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Water Treatment/ Water Striking 3.14.0.9	NICC-CTD-03	<input type="checkbox"/>	<input type="checkbox"/>	Control Systems	NICC-CR-01
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Water Treatment/ Water Striking 3.14.0.9	NICC-CTD-03	<input type="checkbox"/>	<input type="checkbox"/>	Control Systems	NICC-CR-01
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Water Treatment/ Water Striking 3.14.0.9	NICC-CTD-03	<input type="checkbox"/>	<input type="checkbox"/>	Control Systems	NICC-CR-01
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Water Treatment/ Water Striking 3.14.0.9	NICC-CTD-03	<input type="checkbox"/>	<input type="checkbox"/>	Control Systems	NICC-CR-01
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Water Treatment/ Water Striking 3.14.0.9	NICC-CTD-03	<input type="checkbox"/>	<input type="checkbox"/>	Control Systems	NICC-CR-01
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Water Treatment/ Water Striking 3.14.0.9	NICC-CTD-03	<input type="checkbox"/>	<input type="checkbox"/>	Control Systems	NICC-CR-01
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Water Treatment/ Water Striking 3.14.0.9	NICC-CTD-03	<input type="checkbox"/>	<input type="checkbox"/>	Control Systems	NICC-CR-01
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Water Treatment/ Water Striking 3.14.0.9	NICC-CTD-03	<input type="checkbox"/>	<input type="checkbox"/>	Control Systems	NICC-CR-01
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Water Treatment/ Water Striking 3.14.0.9	NICC-CTD-03	<input type="checkbox"/>	<input type="checkbox"/>	Control Systems	NICC-CR-01
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Water Treatment/ Water Striking 3.14.0.9	NICC-CTD-03	<input type="checkbox"/>	<input type="checkbox"/>	Control Systems	NICC-CR-01
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Water Treatment/ Water Striking 3.14.0.9	NICC-CTD-03	<input type="checkbox"/>	<input type="checkbox"/>	Control Systems	NICC-CR-01
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Water Treatment/ Water Striking 3.14.0.9	NICC-CTD-03	<input type="checkbox"/>	<input type="checkbox"/>	Control Systems	NICC-CR-01
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Water Treatment/ Water Striking 3.14.0.9	NICC-CTD-03	<input type="checkbox"/>	<input type="checkbox"/>	Control Systems	NICC-CR-01
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Water Treatment/ Water Striking 3.14.0.9	NICC-CTD-03	<input type="checkbox"/>	<input type="checkbox"/>	Control Systems	NICC-CR-01
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Water Treatment/ Water Striking 3.14.0					

CA Building Energy Efficiency Standards - 2016 Nonresidential Compliance  
Report Version: NICC-PRF-01-E-122020176-5302  
Report Generated at: 2018-02-27 09:03:27

Project Name: AMS Modular Classroom 24x40		NICC-PRF-01-E	Page 9 of 18
Project Address: Palmdale		Calculation Date/Time: 09/03, Tue, Feb 27, 2018	
Compliance Scope: New/Complete		Input File Name: AMS 24x40 for DSA - C214 (B) cdb10	
<b>H. CERTIFICATE OF INSTALLATION, CERTIFICATE OF ACCEPTANCE &amp; CERTIFICATE OF VERIFICATION SUMMARY (NICC/NRCA/NCV) -</b> Documentation Author to indicate which Certificates must be submitted for the features to be recognized for compliance (Hersan 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 L1 Details Sections for Acceptance Tests and forms by equipment.			
<b>Confirmed</b>			
Building Component	Compliance Paths (required for submittal)	Pass	Fail
Envelope	NICC-ENV-01-E For all buildings	<input type="checkbox"/>	<input type="checkbox"/>
	NICC-ENV-02-E: IECC labels verification for Insulation	<input type="checkbox"/>	<input type="checkbox"/>
	NICC-MCH-01-E For all buildings with Mechanical Systems	<input type="checkbox"/>	<input type="checkbox"/>
	NICC-MCH-02-E: Cleanroom Air	<input type="checkbox"/>	<input type="checkbox"/>
	NICC-MCH-03-E: Laboratory Exhaust Single Stage HEPA	<input type="checkbox"/>	<input type="checkbox"/>
	NICC-MCH-04-E: Air Distribution Duct Leakage	<input type="checkbox"/>	<input type="checkbox"/>
	NICC-MCH-05-E: Air Equipment Condition	<input type="checkbox"/>	<input type="checkbox"/>
	NICC-MCH-06-E: Demand Control Ventilation	<input type="checkbox"/>	<input type="checkbox"/>
	NICC-MCH-07-E: Supply Fan Variable Flow Controls	<input type="checkbox"/>	<input type="checkbox"/>
	NICC-MCH-08-E: Volume Lockable	<input type="checkbox"/>	<input type="checkbox"/>
Mechanical	NICC-MCH-09-E: Supply Water Temp Reset Controls	<input type="checkbox"/>	<input type="checkbox"/>
	NICC-MCH-10-E: Hydraulic System Variable Flow Controls	<input type="checkbox"/>	<input type="checkbox"/>
	NICC-MCH-11-E: Auto Demand Demand Control	<input type="checkbox"/>	<input type="checkbox"/>
	NICC-MCH-12-E: Packaged Plant Operation Control	<input type="checkbox"/>	<input type="checkbox"/>
	NICC-MCH-13-E: Air Handling Units and Zone Terminal Units	<input type="checkbox"/>	<input type="checkbox"/>
	NICC-MCH-14-E: Distributed Energy Storage	<input type="checkbox"/>	<input type="checkbox"/>
	NICC-MCH-15-E: Thermal Energy Storage	<input type="checkbox"/>	<input type="checkbox"/>
	NICC-MCH-16-E: Supply Air Temp Reset Control	<input type="checkbox"/>	<input type="checkbox"/>
	NICC-MCH-17-E: Chilledwater Water Temp Reset Control	<input type="checkbox"/>	<input type="checkbox"/>
	NICC-MCH-18-E: Air Handling Systems Controls Systems	<input type="checkbox"/>	<input type="checkbox"/>

CA Building Energy Efficiency Standards - 2016 Nonresidential Compliance  
Report Version: NICC-PRF-01-E-122020176-5302  
Report Generated at: 2018-02-27 09:03:27

Project Name	AMS Modular Classroom 24x40	NICC-PRF-01-E	Page 6 of 18
Project Address	Palmdale	Calculation Date/Time:	09/03, Tue, Feb 27, 2018
Compliance Scope	New/Complete	Input File Name:	AMS 24x40 for DSA - C214 (B) cdb10
<b>J. CERTIFICATE OF INSTALLATION, CERTIFICATE OF ACCEPTANCE &amp; CERTIFICATE OF VERIFICATION SUMMARY (NICC/NRCA/NRCV)</b> — Documentation Author to indicate which Certificates must be submitted for the features to be recognized for compliance (Hersan 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 L1 Details Sections for Acceptance Tests and forms by equipment.			
			Confirmed
Building Component	Compliance Paths (required for submittal)	Pass	Fail
Painting	29 NICC-PRF-01-E - For all buildings with Painting Systems		
	29 NICC-PRF-02-E - required on certain systems in high-rise residential, hotel/motel application.		
	29 NICC-PRF-03-E - Single dwelling unit systems in high-rise residential, hotel/motel application.		
	29 NICC-PRF-04-E - HERS verified central systems in high-rise residential, hotel/motel application.		
	29 NICC-PRF-02-E - HERS verified single dwelling unit systems in high-rise residential, hotel/motel application.		
	29 NICC-PRF-01-E - HERS verified central systems in high-rise residential, hotel/motel application.		
	29 NICC-PRF-02-E - HERS verified single dwelling unit systems in high-rise residential, hotel/motel application.		
	29 NICC-PRF-03-E - Any other water testing.		
	29 NICC-LT-01-E - For all buildings.		
	29 NICC-LT-02-E - Lighting control system, or for an Energy Management Control System (EMCS)		
Indoor Lighting	29 NICC-LT-03-E - Use voltage trace lighting integral current limiter, or for a supplementary overcurrent protection panel used to energize dry-line voltage track lighting.		
	29 NICC-LT-04-E - Two interconnected dry-line systems in auditoriums, a conference room, a conference room, or a theater		
	29 NICC-LT-05-E - Additional voltage installed in a video conferencing studio		
	29 NRCA - LT-02-A - Occupancy sensors and automatic time switch controls		
	29 NRCA - LT-03-A - Automatic daylighting controls		
	29 NRCA - LT-04-A - Dimmable responsive lighting controls		
	29 NRCA - LT-05-A - Automatic lighting controls		
	29 NRCA - LT-06-A - Automatic lighting controls		
	29 NRCA - LT-07-A - Automatic lighting controls		
	29 NRCA - LT-08-A - Automatic lighting controls		

CA Building Energy Efficiency Standards - 2016 Nonresidential Compliance  
Report Version: NICC-PRF-01-E-122020176-5302  
Report Generated at: 2018-02-27 09:03:27

Project Name: AMS Modular Classroom 24x40	NICC-PR
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Project Name:	AMS Modular Classroom 24x40	NRCC-PHF-01-E	Page 11 of 18
Project Address:	Palmdale	Calculation Date/Time:	09-13, Tue, Feb 27, 2018
Compliance Scope:	New/Complete	Input File Name:	AMS 24x40 for DSA - C214 (H).csh16

For NRCC-PHF-01-E, the user must ensure that the building is not a school building. If it is a school building, the user must use the NRCC-PHF-01-E-School building template.

6. INDOOR CONDITIONED LIGHTING SCHEDULE (Adapted from NRCC-LTI-01-E)								6.130-D	
Luminaire Schedule (includes all permanent installed lighting in conditioned spaces, and portable lighting over 0.3 wpi in office)								Confirmed	
Installed Watts (Cumulative)									
Name or Item Tag	Complete Luminaire Description (i.e., lamp, ballast, fixture, etc.)	Watts per luminaire	How Luminaire is Controlled CCC Default (from NAB)	According to §130.0	Total Number Luminaires	Installed Watts	Pass	Fail	
2nd VLTED	24" x 40" LED	60	No	Yes	8	480	<input type="checkbox"/>	<input type="checkbox"/>	

Lighting power density must be used to the maximum level. Building components will be used to the maximum level for the entire building.

6.1. COVERED PROCESS SUMMARY - ENCLOSED PARKING GARAGES										§ 140.0	
This Section Does Not Apply										Confirmed	

6.2. COVERED PROCESS SUMMARY - COMMERCIAL KITCHENS										§ 140.0	
This Section Does Not Apply										Confirmed	

6.3. COVERED PROCESS SUMMARY - COMPUTER ROOMS										§ 140.0	
This Section Does Not Apply										Confirmed	

6.4. COVERED PROCESS SUMMARY - LABORATORY EXHAUSTS										§ 140.0	
This Section Does Not Apply										Confirmed	

7. UNMET LOAD VALUES										§ 140.0	
This Section Does Not Apply										Confirmed	

T. UNMET LOAD HOURS						
This Section Does Not Apply						
U. ENERGY USE SUMMARY						
Energy Component	Standard Design Site (Watts)	Proposed Design Site (Watts)	Margin (Watts)	Standard Design Site (kBtu)	Proposed Design Site (kBtu)	Margin (kBtu)
Space Heating	--	2.6	--	12.5	--	--
Space Cooling	3.0	3.6	0.6	--	--	--

CA Building Energy Efficiency Standards - 2016 Nonresidential Compliance Report Version: NRCC-PHF-01-E-122020178-5302 Report Generated at: 2018-02-27 09:03:27

Project Name:	AMS Modular Classroom 24x40	NRCC-PHF-01-E	Page 12 of 18
Project Address:	Palmdale	Calculation Date/Time:	09-13, Tue, Feb 27, 2018
Compliance Scope:	New/Complete	Input File Name:	AMS 24x40 for DSA - C214 (H).csh16

14. ENERGY USE SUMMARY						
Energy Component	Standard Design Site (kBtu/yr)	Proposed Design Site (kBtu/yr)	Margin (kBtu/yr)	Standard Design Site (kBtu/yr)	Proposed Design Site (kBtu/yr)	Margin (kBtu/yr)
Indoor Radio	4.5	1.0	3.5			
Heat Exchanger						
Pumps & Motor						
Ductwork and Vents				0.3	5.1	0.0
Indoor Lighting	1.8	1.0	0.8			
<b>COMMODITY TOTAL</b>	<b>6.3</b>	<b>0.1</b>	<b>6.2</b>	<b>10.8</b>	<b>6.3</b>	<b>12.5</b>
Refrigeration	0.3	2.6	2.0			
Furnace						
Chiller Sys						
Fractional Motion						
<b>TOTAL</b>	<b>11.8</b>	<b>11.6</b>	<b>0.2</b>	<b>10.8</b>	<b>6.3</b>	<b>12.5</b>

CA Building Energy Efficiency Standards - 2016 Nonresidential Compliance Report Version: NRCC-PHF-01-E-122020178-5302 Report Generated at: 2018-02-27 09:03:27

Project Name:	AMS Modular Classroom 24x40	NRCC-PHF-01-E	Page 13 of 18
Project Address:	Palmdale	Calculation Date/Time:	09-13, Tue, Feb 27, 2018
Compliance Scope:	New/Complete	Input File Name:	AMS 24x40 for DSA - C214 (H).csh16

11. DOCUMENTATION AUTHORITY'S DECLARATION STATEMENT										§ 140.0	
I certify that the Certificate of Compliance documentation is accurate and complete.										Confirmed	
Documentation Authority Name: Mass Masonry, CEA, CEP, LEED AP BD+C											
Signature: [Signature]											
Signature Date: 09-13, Tue, Feb 27, 2018											
CEA Identification (if applicable): N8-16-09-2021											
Phone: 615-611-1246											

RESPONSIBLE PERSON'S DECLARATION STATEMENT										§ 140.0	
I certify the following under penalty of perjury, under the laws of the State of California:										Confirmed	
1. I am a duly licensed professional engineer, architect, or landscape architect in the State of California.											
2. I affirm that I am eligible under the provisions of Division 1 of the Business and Professions Code to sign this document as the person responsible for its preparation, and that I am a licensed professional engineer, architect, or landscape architect.											
3. I affirm that I am eligible under Division 3 of the Business and Professions Code to sign this document because it pertains to a structure or type of work described in exempt pursuant to Business and Professions Code Sections 5537, 5538 and 5737.1.											

12. RESPONSIBLE ENGINEER DESIGNER NAME: RANDI P. COWANATH										§ 140.0	
Company: American Modular Systems   Gen'l Schools											
Address: 2875 Spectrum Avenue											
City/State/Zip: Manteca CA 95336											
Phone: 209-825-1301											
Responsible Lighting Designer Name: RANDI P. COWANATH											
Company: American Modular Systems   Gen'l Schools											
Address: 2875 Spectrum Avenue											
City/State/Zip: Manteca CA 95336											
Phone: 209-825-1301											
Responsible Mechanical Designer Name: RANDI P. COWANATH											
Company: American Modular Systems   Gen'l Schools											
Address: 2875 Spectrum Avenue											
City/State/Zip: Manteca CA 95336											
Phone: 209-825-1301											

CA Building Energy Efficiency Standards - 2016 Nonresidential Compliance Report Version: NRCC-PHF-01-E-122020178-5302 Report Generated at: 2018-02-27 09:03:27

Project Name:	AMS Modular Classroom 24x40	NRCC-PHF-01-E	Page 14 of 18
Project Address:	Palmdale	Calculation Date/Time:	09-13, Tue, Feb 27, 2018
Compliance Scope:	New/Complete	Input File Name:	AMS 24x40 for DSA - C214 (H).csh16

NRCC-PHF-ENV-DETAILS - SECTION START									
A. OPAQUE SURFACE ASSEMBLY DETAILS								Confirmed	
Surface Name	Surface Type	Description of Assembly Layers			Notes	Pass	Fail		
Concrete Slab over Crawspace	Exterior/Floor	Air - Floor - 3 1/2 in. Concrete - 140lb/ft³ - 4 in. Carpet - 3/4 in.				<input type="checkbox"/>	<input type="checkbox"/>		
Roof - 10-10 per E2Frame	Roof	Metal Standing Seam - 1/16 in. Expanded Polystyrene - 1 1/2 in. R-13 Metal Insulated Panel - 12 in. R-19 Acoustic Tile - 3/8 in.			See E2Frame Report U-factor R-70	<input type="checkbox"/>	<input type="checkbox"/>		
8-13 in metal frame + R-5.0 c.vt.	Exterior/Wall	Wood siding - 1/2 in. Upper perimeter - 1/2 in. Compliance Insulation R-5.00 Metal Insulated wall - 12 in. R-19 Cypress Board - 1/2 in. R-13				<input type="checkbox"/>	<input type="checkbox"/>		

Opposed Board - 1/2 in.											
B. OVERHAUL DETAILS (Adapted from NRCC-ENV-01-E)											
This Section Does Not Apply											
C. OPAQUE DOOR SUMMARY										Confirmed	
1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	Pass	Fail
Opaque Door Assembly Name / Tag or L.O.	Door Type	Certification Method	Operation	Area	Overall U-Value	Overall R-Value	status			<input type="checkbox"/>	<input type="checkbox"/>
Metal Door	Metal/Uninsulated/Double/Exterior	Default/Performance	Swinging	21	0.172	5.81	N			<input type="checkbox"/>	<input type="checkbox"/>

1. Source: N. New & Almond - 1940s

CA Building Energy Efficiency Standards - 2016 Nonresidential Compliance Report Version: NRCC-PHF-01-E-122020178-5302 Report Generated at: 2018-02-27 09:03:27

Project Name:	AMS Modular Classroom 24x40	NRCC-PHF-01-E	Page 15 of 18
Project Address:	Palmdale	Calculation Date/Time:	09-13, Tue, Feb 27, 2018
Compliance Scope:	New/Complete	Input File Name:	AMS 24x40 for DSA - C214 (H).csh16

NRCC-PHF-MCH-DETAILS - SECTION START																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
A. MECHANICAL VENTILATION AND DEHUMIDIFICATION (Adapted from 2016-NRCC-MCH-01-E)													Confirmed																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
CONDITIONED ZONE NAME	ID	RELEASE DUCT/OUTLET/INTAKE	1. DESIGN AIR FLOWS					2. VENTILATION (g 130.1)					Comments (e.g., VAV, Variable Air Volume)																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
			Room Volume (ft³)	Room Height (ft)	Room Width (ft)	Room Depth (ft)	Room Length (ft)	Room Perimeter (ft)	Room Surface Area (ft²)	Room Volume (ft³)	Room Height (ft)	Room Width (ft)		Room Depth (ft)	Room Length (ft)	Room Perimeter (ft)	Room Surface Area (ft²)																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
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B. ZONAL SYSTEM AND TERMINAL UNIT SUMMARY											\$ 140.0																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
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C. EXHAUST FAN SUMMARY										§ 140.0	
This Section Does Not Apply										Confirmed	

D. CHW EQUIPMENT SUMMARY - (Adapted from NRCC-PHF-01-E)										§ 140.0	
This Section Does Not Apply										Confirmed	

E. MIXED-FAN/RY CENTRAL CHW SYSTEM DETAILS										§ 140.0	
This Section Does Not Apply										Confirmed	

CA Building Energy Efficiency Standards - 2016 Nonresidential Compliance Report Version: NRCC-PHF-01-E-122020178-5302 Report Generated at: 2018-02-27 09:03:27

Project Name:	AMS Modular Classroom 24x40	NRCC-PHF-01-E	Page 16 of 18
Project Address:	Palmdale	Calculation Date/Time:	09-13, Tue, Feb 27, 2018
Compliance Scope:	New/Complete	Input File Name:	AMS 24x40 for DSA - C214 (H).csh16

17. F. SOLAR HOT WATER HEATING SUMMARY (Adapted from NRCC-SH-01)										§ 140.0	
This Section Does Not Apply										Confirmed	

18. G. MECHANICAL HVAC ACCEPTANCE TESTS & FORMS (Adapted from 2016-NRCC-MCH-01-E)										§ 140.0	
Declaration of Required Acceptance Certificates (NRCC) - Acceptance Certificates that may be submitted. (Retain copies and verify forms are completed and signed to post in field for field inspector to verify.)										Confirmed	
Test Description	Pass	Fail									
1. Indoor Air Quality (IAQ) - See NRCC-MCH-01-E for details.	<input type="checkbox"/>	<input type="checkbox"/>									
2. Mechanical System Performance - See NRCC-MCH-01-E for details.	<input type="checkbox"/>	<input type="checkbox"/>									
3. Energy Performance - See NRCC-MCH-01-E for details.	<input type="checkbox"/>	<input type="checkbox"/>									
4. Water Conservation - See NRCC-MCH-01-E for details.	<input type="checkbox"/>	<input type="checkbox"/>									
5. Indoor Air Quality (IAQ) - See NRCC-MCH-01-E for details.	<input type="checkbox"/>	<input type="checkbox"/>									
6. Mechanical System Performance - See NRCC-MCH-01-E for details.	<input type="checkbox"/>	<input type="checkbox"/>									
7. Energy Performance - See NRCC-MCH-01-E for details.	<input type="checkbox"/>	<input type="checkbox"/>									
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11. Energy Performance - See NRCC-MCH-01-E for details.	<input type="checkbox"/>	<input type="checkbox"/>									
12. Water Conservation - See NRCC-MCH-01-E for details.	<input type="checkbox"/>	<input type="checkbox"/>									
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14. Mechanical System Performance - See NRCC-MCH-01-E for details.	<input type="checkbox"/>	<input type="checkbox"/>									
15. Energy Performance - See NRCC-MCH-01-E for details.	<input type="checkbox"/>	<input type="checkbox"/>									
16. Water Conservation - See NRCC-MCH-01-E for details.	<input type="checkbox"/>	<input type="checkbox"/>									
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24. Water Conservation - See NRCC-MCH-01-E for details.	<input type="checkbox"/>	<input type="checkbox"/>									
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26. Mechanical System Performance - See NRCC-MCH-01-E for details.	<input type="checkbox"/>	<input type="checkbox"/>									
27. Energy Performance - See NRCC-MCH-01-E for details.	<input type="checkbox"/>	<input type="checkbox"/>									
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30. Mechanical System Performance - See NRCC-MCH-01-E for details.	<input type="checkbox"/>	<input type="checkbox"/>									
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213. Indoor Air Quality (IAQ) - See NRCC-MCH-01-E for details.	<input type="checkbox"/>	<input type="checkbox"/>									
214. Mechanical System Performance - See NRCC-MCH-01-E for details.	<input type="checkbox"/>	<input type="checkbox"/>									
215. Energy Performance - See NRCC-MCH-01-E for details.	<input type="checkbox"/>	<input type="checkbox"/>									
216. Water Conservation - See NRCC-MCH-01-E for details.	<input type="checkbox"/>	<input type="checkbox"/>									
217. Indoor Air Quality (IAQ) - See NRCC-MCH-01-E for details.	<input type="checkbox"/>	<input type="checkbox"/>									
218. Mechanical System Performance - See NRCC-MCH-01-E for details.	<input type="checkbox"/>	<input type="checkbox"/>									
219. Energy Performance - See NRCC-MCH-01-E for details.	<input type="checkbox"/>	<input type="checkbox"/>									
220. Water Conservation - See NRCC-MCH-01-E for details.	<input type="checkbox"/>	<input type="checkbox"/>									
221. Indoor Air Quality (IAQ) - See NRCC-MCH-01-E for details.	<input type="checkbox"/>	<input type="checkbox"/>									
222. Mechanical System Performance - See NRCC-MCH-01-E for details.	<input type="checkbox"/>	<input type="checkbox"/>									
223. Energy Performance - See NRCC-MCH-01-E for details.	<input type="checkbox"/>	<input type="checkbox"/>									
224. Water Conservation - See NRCC-MCH-01-E for details.	<input type="checkbox"/>	<input type="checkbox"/>									
225. Indoor Air Quality (IAQ) - See NRCC-MCH-01-E for details.	<input type="checkbox"/>	<input type="checkbox"/>									
226. Mechanical System Performance - See NRCC-MCH-01-E for details.	<input type="checkbox"/>	<input type="checkbox"/>									
227. Energy Performance - See NRCC-MCH-01-E for details.	<input type="checkbox"/>	<input type="checkbox"/>									
228. Water Conservation - See NRCC-MCH-01-E for details.	<input type="checkbox"/>	<input type="checkbox"/>									
229. Indoor Air Quality (IAQ) - See NRCC-MCH-01-E for details.	<input type="checkbox"/>	<input type="checkbox"/>									
230. Mechanical System Performance - See NRCC-MCH-01-E for details.	<input type="checkbox"/>	<input type="checkbox"/>									
231. Energy Performance - See NRCC-MCH-01-E for details.	<input type="checkbox"/>	<input type="checkbox"/>									
232. Water Conservation - See NRCC-MCH-01-E for details.	<input type="checkbox"/>	<input type="checkbox"/>									
233. Indoor Air Quality (IAQ) - See NRCC-MCH-01-E for details.	<input type="checkbox"/>	<input type="checkbox"/>									
234. Mechanical System Performance - See NRCC-MCH-01-E for details.	<input type="checkbox"/>	<input type="checkbox"/>									
235. Energy Performance - See NRCC-MCH-01-E for details.	<input type="checkbox"/>	<input type="checkbox"/>									
236. Water Conservation - See NRCC-MCH-01-E for details.	<input type="checkbox"/>	<input type="checkbox"/>									
237. Indoor Air Quality (IAQ) - See NRCC-MCH-01-E for details.	<input type="checkbox"/>	<input type="checkbox"/>									
238. Mechanical System Performance - See NRCC-MCH-01-E for details.	<input type="checkbox"/>	<input type="checkbox"/>									
239. Energy Performance - See NRCC-MCH-01-E for details.	<input type="checkbox"/>	<input type="checkbox"/>									
240. Water Conservation - See NRCC-MCH-01-E for details.	<input type="checkbox"/>	<input type="checkbox"/>									
241. Indoor Air Quality (IAQ) - See NRCC-MCH-01-E for details.	<input type="checkbox"/>	<input type="checkbox"/>									
242. Mechanical System Performance - See NRCC-MCH-01-E for details.	<input type="checkbox"/>	<input type="checkbox"/>									
243. Energy Performance - See NRCC-MCH-01-E for details.	<input type="checkbox"/>	<input type="checkbox"/>									
244. Water Conservation - See NRCC-MCH-01-E for details.	<input type="checkbox"/>	<input type="checkbox"/>									
245. Indoor Air Quality (IAQ) - See NRCC-MCH-01-E for details.	<input type="checkbox"/>	<input type="checkbox"/>									
246. Mechanical System Performance - See NRCC-MCH-01-E for details.	<input type="checkbox"/>	<input type="checkbox"/>									
247. Energy Performance - See NRCC-MCH-01-E for details.	<input type="checkbox"/>	<input type="checkbox"/>									
248. Water Conservation - See NRCC-MCH-01-E for details.	<input type="checkbox"/>	<input type="checkbox"/>									
249. Indoor Air Quality (IAQ) - See NRCC-MCH-01-E for details.	<input type="checkbox"/>	<input type="checkbox"/>									
250. Mechanical System Performance - See NRCC-MCH-01-E for details.	<input type="checkbox"/>	<input type="checkbox"/>									
251. Energy Performance - See NRCC-MCH-01-E for details.	<input type="checkbox"/>	<input type="checkbox"/>									
252. Water Conservation - See NRCC-MCH-01-E for details.	<input type="checkbox"/>	<input type="checkbox"/>									
253. Indoor Air Quality (IAQ) - See NRCC-MCH-01-E for details.	<input type="checkbox"/>	<input type="checkbox"/>									
254. Mechanical System Performance - See NRCC-MCH-01-E for details.	<input type="checkbox"/>	<input type="checkbox"/>									
255. Energy Performance - See NRCC-MCH-01-E for details.	<input type="checkbox"/>	<input type="checkbox"/>									
256. Water Conservation - See NRCC-MCH-01-E for details.	<input type="checkbox"/>	<input type="checkbox"/>									
257. Indoor Air Quality (IAQ) - See NRCC-MCH-01-E for details.	<input type="checkbox"/>	<input type="checkbox"/>									
258. Mechanical System Performance - See NRCC-MCH-01-E for details.	<input type="checkbox"/>	<input type="checkbox"/>									
259. Energy Performance - See NRCC-MCH-01-E for details.	<input type="checkbox"/>	<input type="checkbox"/>									
260. Water Conservation - See NRCC-MCH-01-E for details.	<input type="checkbox"/>	<input type="checkbox"/>									
261. Indoor Air Quality (IAQ) - See NRCC-MCH-01-E for details.	<input type="checkbox"/>	<input type="checkbox"/>									
262. Mechanical System Performance - See NRCC-MCH-01-E for details.	<input type="checkbox"/>	<input type="checkbox"/>									
263. Energy Performance - See NRCC-MCH-01-E for details.	<input type="checkbox"/>	<input type="checkbox"/>									
264. Water Conservation - See NRCC-MCH-01-E for details.											







Project Name:	AMS Modular Classroom 24x40	NRCC-PRF-01-E	Page 6 of 18
Project Address:	Palm Springs-Int	Calculation Date/Time:	09/04, Tue, Feb 27, 2018
Compliance Scope:	New/Complete	Input File Name:	AMS 24x40 for DSA - C215 (B).cdt16

**H. CERTIFICATE OF INSTALLATION, CERTIFICATE OF ACCEPTANCE & CERTIFICATE OF VERIFICATION SUMMARY (NRCC/NRCA/NRVC) - 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 NRCC and UT Details Sections for Acceptance Tests and forms by equipment.

Building Component	Compliance Forms (Required for submittal)	Pass	Fail
Plumbing	<input checked="" type="checkbox"/> NRCC-PLB-01-E - For all buildings with Plumbing Systems	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	<input checked="" type="checkbox"/> NRCC-PLB-01-E - required on central systems in high-rise residential, hotel/motel application.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	<input checked="" type="checkbox"/> NRCC-PLB-03-E - Single dwelling unit systems in high-rise residential, hotel/motel application.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	<input checked="" type="checkbox"/> NRCC-PLB-21-E - HERS verified central systems in high-rise residential, hotel/motel application.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	<input checked="" type="checkbox"/> NRCC-PLB-21-E - HERS verified single dwelling unit systems in high-rise residential, hotel/motel application.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	<input checked="" type="checkbox"/> NRCC-PLB-21-E - HERS verified central systems in high-rise residential, hotel/motel application.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	<input checked="" type="checkbox"/> NRCC-PLB-21-E - HERS verified single dwelling unit systems in high-rise residential, hotel/motel application.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	<input checked="" type="checkbox"/> NRCC-UT-01-E - Any water heating	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	<input checked="" type="checkbox"/> NRCC-UT-01-E - For all buildings	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	<input checked="" type="checkbox"/> NRCC-UT-02-E - Lighting control system, or for an Energy Management Control System (EMCS)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Indoor Lighting	<input checked="" type="checkbox"/> NRCC-UT-03-E - Line-voltage track lighting integral control, timer, or for a supplementary overcurrent protection panel used to energize only line-voltage track lighting	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	<input checked="" type="checkbox"/> NRCC-UT-04-E - Two interlocked systems serving an auditorium, a convention or enter, a conference room, or a theater	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Outdoor Lighting	<input checked="" type="checkbox"/> NRCC-UT-05-E - Lighting Control Credit Power Adjustment Factor (PAC)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	<input checked="" type="checkbox"/> NRCC-UT-06-E - Additional wattage installed in a video conferencing suite	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Sign Lighting	<input checked="" type="checkbox"/> NRCC-UT-07-E - Frequency sensor and automatic time switch controls	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	<input checked="" type="checkbox"/> NRCC-UT-08-E - Automatic daylighting controls	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Electrical	<input checked="" type="checkbox"/> NRCC-UT-09-E - Demand responsive lighting controls	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	<input checked="" type="checkbox"/> NRCC-UT-10-E - Outdoor Lighting	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Photovoltaic	<input checked="" type="checkbox"/> NRCC-UT-11-E - EMC/ Lighting Control System	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	<input checked="" type="checkbox"/> NRCC-UT-12-E - Outdoor Lighting Control System	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Electrical	<input checked="" type="checkbox"/> NRCC-UT-13-E - Outdoor Lighting Control	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	<input checked="" type="checkbox"/> NRCC-UT-14-E - Sign Lighting	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Electrical	<input checked="" type="checkbox"/> NRCC-ELC-01-E - Electrical Power Distribution	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	<input checked="" type="checkbox"/> NRCC-SPV-01-E Photovoltaic Systems	<input checked="" type="checkbox"/>	<input type="checkbox"/>

CA Building Energy Efficiency Standards - 2016 Nonresidential Compliance Report Version: NRCC-PRF-01-E-12200178-5302 Report Generated at: 2018-02-27 09:04:33

Project Name:	AMS Modular Classroom 24x40	NRCC-PRF-01-E	Page 10 of 18
Project Address:	Palm Springs-Int	Calculation Date/Time:	09/04, Tue, Feb 27, 2018
Compliance Scope:	New/Complete	Input File Name:	AMS 24x40 for DSA - C215 (B).cdt16

**G. EQUIPMENT CONTROLS** § 120.2 Confirmed

Equip Name	Equip Type	Controls	Pass	Fail
AC-1	SPVHP	No DCV Controls No Economizer No Supply Air Temp. Control No Optimum Start No Economizer Control No Heat Recovery	<input type="checkbox"/>	<input type="checkbox"/>

**F. SYSTEM DISTRIBUTION SUMMARY** § 140.4(1) Confirmed

Equip Name	Equip Type	Duct Leakage and Sealing Required per 140.4(1)	Duct Leakage will be verified per 140.4(1)	Insulation R-value	Location	Status <sup>1</sup>	Pass	Fail
AC-1	SPVHP	No	No	0	Conditioned	N	<input type="checkbox"/>	<input type="checkbox"/>

**H. INDOOR CONDITIONED LIGHTING GENERAL INFO** (see NRCC-PRF-UT-DETAILS for more info)<sup>2</sup> Confirmed

Occupancy Type <sup>1</sup>	Conditioned Floor Area (ft <sup>2</sup> )	Installed Lighting Power (Watts)	Lighting Control Credits (Watts)	Additional (Custom) Allowance	Avg Canopy Penetration (Watts)	Tailored Method (Watts)	Pass	Fail
Classrooms, Lecture, Training, Vocational Areas	960	480	0	0	0	0	<input type="checkbox"/>	<input type="checkbox"/>
Building Totals	960	480	0	0	0	0	<input type="checkbox"/>	<input type="checkbox"/>

CA Building Energy Efficiency Standards - 2016 Nonresidential Compliance Report Version: NRCC-PRF-01-E-12200178-5302 Report Generated at: 2018-02-27 09:04:33

Project Name:	AMS Modular Classroom 24x40	NRCC-PRF-01-E	Page 14 of 18
Project Address:	Palm Springs-Int	Calculation Date/Time:	09/04, Tue, Feb 27, 2018
Compliance Scope:	New/Complete	Input File Name:	AMS 24x40 for DSA - C215 (B).cdt16

**NRCC-PRF-ENV-DETAILS - SECTION START:**

**A. OPAQUE SURFACE ASSEMBLY DETAILS** Confirmed

1.	2.	3.	4.	5.	6.	7.	8.
Surface Name	Surface Type	Description of Assembly Layers	Notes	Area (ft <sup>2</sup> )	U-Factor (Btu/h-ft <sup>2</sup> -°F)	Overall R-Value	Pass/Fail
Conc. Slab over Crawlspace	Exterior/Floor	As-Built - 3 1/2 in. Concrete - 140 lb/yd <sup>3</sup> - 4 in. Carpet - 1/8 in.					<input type="checkbox"/>
Roof: 1/4" 10" per 2" frame	Roof	Expanded Polystyrene - 1/2 in. Metal Framed roof: 1/4" OC 3/8 in. R-13 Acoustic Tile - 3/8 in.	See E27 frame Report for U-Factor 0.70				<input type="checkbox"/>
8.13 in metal frame + 8.5 in	Exterior/Wall	Wood siding - 1/2 in. Vapor permeable felt - 1/8 in. Expanded Polystyrene - 4 in. - 1/2 in. R-13 Metal Framed wall: 1/4" OC 3/8 in. R-13 Gypsum board - 1/2 in.					<input type="checkbox"/>

**B. OVERHAUL DETAILS (Adapted from NRCC-ENV-02-E)**  
This Section Does Not Apply

**C. OPAQUE DOOR SUMMARY** Confirmed

1.	2.	3.	4.	5.	6.	7.	8.
Opaque Door Assembly Name / Tag or ID	Door Type	Certification Method	Operation	Area	Overall U-Factor	Status <sup>1</sup>	Pass/Fail
Aluminum	Aluminum	Default/Performance	Swinging	21	0.700	N	<input type="checkbox"/>

**D. ADDITIONAL "USE IT OR LOSE IT" (Adapted from NRCC-UT-04-E)** Confirmed

1.	2.	3.	4.	5.	6.	7.	8.
Wall Display	Combined Floor Display and Task Lighting	Combined Ornamental and Special Effects Lighting	Very Valuable Merchandise	Allowed Watts	Pass	Fail	
0	0	0	0	0	<input type="checkbox"/>	<input type="checkbox"/>	

**E. Wall Display**  
This Section Does Not Apply

**F. Floor Display and Task Lighting**  
This Section Does Not Apply

**G. Combined Ornamental and Special Effects Lighting**  
This Section Does Not Apply

**H. Very Valuable Merchandise**  
This Section Does Not Apply

**I. H. INDOOR & OUTDOOR LIGHTING ACCEPTANCE TESTS & FORMS (Adapted from NRCC-UT-01-E and NRCC-UT-03-E)** § 130.6

Deduction of Required Acceptance Certificates (NRCC) - Acceptance Certificates that must be verified on the field. (Note: in copies and verify forms are completed and signed to post in field for field inspector to verify).

Test Description	NRCC-UT-01-E	NRCC-UT-03-E	NRCC-UT-04-E	NRCC-UT-05-E	NRCC-UT-06-E	NRCC-UT-07-E	NRCC-UT-08-E	NRCC-UT-09-E	NRCC-UT-10-E	NRCC-UT-11-E	NRCC-UT-12-E	NRCC-UT-13-E	NRCC-UT-14-E	NRCC-UT-15-E	NRCC-UT-16-E	NRCC-UT-17-E	NRCC-UT-18-E	NRCC-UT-19-E	NRCC-UT-20-E	NRCC-UT-21-E	NRCC-UT-22-E	NRCC-UT-23-E	NRCC-UT-24-E	NRCC-UT-25-E	NRCC-UT-26-E	NRCC-UT-27-E	NRCC-UT-28-E	NRCC-UT-29-E	NRCC-UT-30-E	NRCC-UT-31-E	NRCC-UT-32-E	NRCC-UT-33-E	NRCC-UT-34-E	NRCC-UT-35-E	NRCC-UT-36-E	NRCC-UT-37-E	NRCC-UT-38-E	NRCC-UT-39-E	NRCC-UT-40-E	NRCC-UT-41-E	NRCC-UT-42-E	NRCC-UT-43-E	NRCC-UT-44-E	NRCC-UT-45-E	NRCC-UT-46-E	NRCC-UT-47-E	NRCC-UT-48-E	NRCC-UT-49-E	NRCC-UT-50-E	NRCC-UT-51-E	NRCC-UT-52-E	NRCC-UT-53-E	NRCC-UT-54-E	NRCC-UT-55-E	NRCC-UT-56-E	NRCC-UT-57-E	NRCC-UT-58-E	NRCC-UT-59-E	NRCC-UT-60-E	NRCC-UT-61-E	NRCC-UT-62-E	NRCC-UT-63-E	NRCC-UT-64-E	NRCC-UT-65-E	NRCC-UT-66-E	NRCC-UT-67-E	NRCC-UT-68-E	NRCC-UT-69-E	NRCC-UT-70-E	NRCC-UT-71-E	NRCC-UT-72-E	NRCC-UT-73-E	NRCC-UT-74-E	NRCC-UT-75-E	NRCC-UT-76-E	NRCC-UT-77-E	NRCC-UT-78-E	NRCC-UT-79-E	NRCC-UT-80-E	NRCC-UT-81-E	NRCC-UT-82-E	NRCC-UT-83-E	NRCC-UT-84-E	NRCC-UT-85-E	NRCC-UT-86-E	NRCC-UT-87-E	NRCC-UT-88-E	NRCC-UT-89-E	NRCC-UT-90-E	NRCC-UT-91-E	NRCC-UT-92-E	NRCC-UT-93-E	NRCC-UT-94-E	NRCC-UT-95-E	NRCC-UT-96-E	NRCC-UT-97-E	NRCC-UT-98-E	NRCC-UT-99-E	NRCC-UT-100-E	NRCC-UT-101-E	NRCC-UT-102-E	NRCC-UT-103-E	NRCC-UT-104-E	NRCC-UT-105-E	NRCC-UT-106-E	NRCC-UT-107-E	NRCC-UT-108-E	NRCC-UT-109-E	NRCC-UT-110-E	NRCC-UT-111-E	NRCC-UT-112-E	NRCC-UT-113-E	NRCC-UT-114-E	NRCC-UT-115-E	NRCC-UT-116-E	NRCC-UT-117-E	NRCC-UT-118-E	NRCC-UT-119-E	NRCC-UT-120-E	NRCC-UT-121-E	NRCC-UT-122-E	NRCC-UT-123-E	NRCC-UT-124-E	NRCC-UT-125-E	NRCC-UT-126-E	NRCC-UT-127-E	NRCC-UT-128-E	NRCC-UT-129-E	NRCC-UT-130-E	NRCC-UT-131-E	NRCC-UT-132-E	NRCC-UT-133-E	NRCC-UT-134-E	NRCC-UT-135-E	NRCC-UT-136-E	NRCC-UT-137-E	NRCC-UT-138-E	NRCC-UT-139-E	NRCC-UT-140-E	NRCC-UT-141-E	NRCC-UT-142-E	NRCC-UT-143-E	NRCC-UT-144-E	NRCC-UT-145-E	NRCC-UT-146-E	NRCC-UT-147-E	NRCC-UT-148-E	NRCC-UT-149-E	NRCC-UT-150-E	NRCC-UT-151-E	NRCC-UT-152-E	NRCC-UT-153-E	NRCC-UT-154-E	NRCC-UT-155-E	NRCC-UT-156-E	NRCC-UT-157-E	NRCC-UT-158-E	NRCC-UT-159-E	NRCC-UT-160-E	NRCC-UT-161-E	NRCC-UT-162-E	NRCC-UT-163-E	NRCC-UT-164-E	NRCC-UT-165-E	NRCC-UT-166-E	NRCC-UT-167-E	NRCC-UT-168-E	NRCC-UT-169-E	NRCC-UT-170-E	NRCC-UT-171-E	NRCC-UT-172-E	NRCC-UT-173-E	NRCC-UT-174-E	NRCC-UT-175-E	NRCC-UT-176-E	NRCC-UT-177-E	NRCC-UT-178-E	NRCC-UT-179-E	NRCC-UT-180-E	NRCC-UT-181-E	NRCC-UT-182-E	NRCC-UT-183-E	NRCC-UT-184-E	NRCC-UT-185-E	NRCC-UT-186-E	NRCC-UT-187-E	NRCC-UT-188-E	NRCC-UT-189-E	NRCC-UT-190-E	NRCC-UT-191-E	NRCC-UT-192-E	NRCC-UT-193-E	NRCC-UT-194-E	NRCC-UT-195-E	NRCC-UT-196-E	NRCC-UT-197-E	NRCC-UT-198-E	NRCC-UT-199-E	NRCC-UT-200-E	NRCC-UT-201-E	NRCC-UT-202-E	NRCC-UT-203-E	NRCC-UT-204-E	NRCC-UT-205-E	NRCC-UT-206-E	NRCC-UT-207-E	NRCC-UT-208-E	NRCC-UT-209-E	NRCC-UT-210-E	NRCC-UT-211-E	NRCC-UT-212-E	NRCC-UT-213-E	NRCC-UT-214-E	NRCC-UT-215-E	NRCC-UT-216-E	NRCC-UT-217-E	NRCC-UT-218-E	NRCC-UT-219-E	NRCC-UT-220-E	NRCC-UT-221-E	NRCC-UT-222-E	NRCC-UT-223-E	NRCC-UT-224-E	NRCC-UT-225-E	NRCC-UT-226-E	NRCC-UT-227-E	NRCC-UT-228-E	NRCC-UT-229-E	NRCC-UT-230-E	NRCC-UT-231-E	NRCC-UT-232-E	NRCC-UT-233-E	NRCC-UT-234-E	NRCC-UT-235-E	NRCC-UT-236-E	NRCC-UT-237-E	NRCC-UT-238-E	NRCC-UT-239-E	NRCC-UT-240-E	NRCC-UT-241-E	NRCC-UT-242-E	NRCC-UT-243-E	NRCC-UT-244-E	NRCC-UT-245-E	NRCC-UT-246-E	NRCC-UT-247-E	NRCC-UT-248-E	NRCC-UT-249-E	NRCC-UT-250-E	NRCC-UT-251-E	NRCC-UT-252-E	NRCC-UT-253-E	NRCC-UT-254-E	NRCC-UT-255-E	NRCC-UT-256-E	NRCC-UT-257-E	NRCC-UT-258-E	NRCC-UT-259-E	NRCC-UT-260-E	NRCC-UT-261-E	NRCC-UT-262-E	NRCC-UT-263-E	NRCC-UT-264-E	NRCC-UT-265-E	NRCC-UT-266-E	NRCC-UT-267-E	NRCC-UT-268-E	NRCC-UT-269-E	NRCC-UT-270-E	NRCC-UT-271-E	NRCC-UT-272-E	NRCC-UT-273-E	NRCC-UT-274-E	NRCC-UT-275-E	NRCC-UT-276-E	NRCC-UT-277-E	NRCC-UT-278-E	NRCC-UT-279-E	NRCC-UT-280-E	NRCC-UT-281-E	NRCC-UT-282-E	NRCC-UT-283-E	NRCC-UT-284-E	NRCC-UT-285-E	NRCC-UT-286-E	NRCC-UT-287-E	NRCC-UT-288-E	NRCC-UT-289-E	NRCC-UT-290-E	NRCC-UT-291-E	NRCC-UT-292-E	NRCC-UT-293-E	NRCC-UT-294-E	NRCC-UT-295-E	NRCC-UT-296-E	NRCC-UT-297-E	NRCC-UT-298-E	NRCC-UT-299-E	NRCC-UT-300-E	NRCC-UT-301-E	NRCC-UT-302-E	NRCC-UT-303-E	NRCC-UT-304-E	NRCC-UT-305-E	NRCC-UT-306-E	NRCC-UT-307-E	NRCC-UT-308-E	NRCC-UT-309-E	NRCC-UT-310-E	NRCC-UT-311-E	NRCC-UT-312-E	NRCC-UT-313-E	NRCC-UT-314-E	NRCC-UT-315-E	NRCC-UT-316-E	NRCC-UT-317-E	NRCC-UT-318-E	NRCC-UT-319-E	NRCC-UT-320-E	NRCC-UT-321-E	NRCC-UT-322-E	NRCC-UT-323-E	NRCC-UT-324-E	NRCC-UT-325-E	NRCC-UT-326-E	NRCC-UT-327-E	NRCC-UT-328-E	NRCC-UT-329-E	NRCC-UT-330-E	NRCC-UT-331-E	NRCC-UT-332-E	NRCC-UT-333-E	NRCC-UT-334-E	NRCC-UT-335-E	NRCC-UT-336-E	NRCC-UT-337-E	NRCC-UT-338-E	NRCC-UT-339-E	NRCC-UT-340-E	NRCC-UT-341-E	NRCC-UT-342-E	NRCC-UT-343-E	NRCC-UT-344-E	NRCC-UT-345-E	NRCC-UT-346-E	NRCC-UT-347-E	NRCC-UT-348-E	NRCC-UT-349-E	NRCC-UT-350-E	NRCC-UT-351-E	NRCC-UT-352-E	NRCC-UT-353-E	NRCC-UT-354-E	NRCC-UT-355-E	NRCC-UT-356-E	NRCC-UT-357-E	NRCC-UT-358-E	NRCC-UT-359-E	NRCC-UT-360-E	NRCC-UT-361-E	NRCC-UT-362-E	NRCC-UT-363-E	NRCC-UT-364-E	NRCC-UT-365-E	NRCC-UT-366-E	NRCC-UT-367-E	NRCC-UT-368-E	NRCC-UT-369-E	NRCC-UT-370-E	NRCC-UT-371-E	NRCC-UT-372-E	NRCC-UT-373-E	NRCC-UT-374-E	NRCC-UT-375-E	NRCC-UT-376-E	NRCC-UT-377-E	NRCC-UT-378-E	NRCC-UT-379-E	NRCC-UT-380-E	NRCC-UT-381-E	NRCC-UT-382-E	NRCC-UT-383-E	NRCC-UT-384-E	NRCC-UT-385-E	NRCC-UT-386-E	NRCC-UT-387-E	NRCC-UT-388-E	NRCC-UT-389-E	NRCC-UT-390-E	NRCC-UT-391-E	NRCC-UT-392-E	NRCC-UT-393-E	NRCC-UT-394-E	NRCC-UT-395-E	NRCC-UT-396-E	NRCC-UT-397-E	NRCC-UT-398-E	NRCC-UT-399-E	NRCC-UT-400-E	NRCC-UT-401-E	NRCC-UT-402-E	NRCC-UT-403-E	NRCC-UT-404-E	NRCC-UT-405-E	NRCC-UT-406-E	NRCC-UT-407-E	NRCC-UT-408-E	NRCC-UT-409-E	NRCC-UT-410-E	NRCC-UT-411-E	NRCC-UT-412-E	NRCC-UT-413-E	NRCC-UT-414-E	NRCC-UT-415-E	NRCC-UT-416-E	NRCC-UT-417-E	NRCC-UT-418-E	NRCC-UT-419-E	NRCC-UT-420-E	NRCC-UT-421-E	NRCC-UT-422-E	NRCC-UT-423-E	NRCC-UT-424-E	NRCC-UT-425-E	NRCC-UT-426-E	NRCC-UT-427-E	NRCC-UT-428-E	NRCC-UT-429-E	NRCC-UT-430-E	NRCC-UT-431-E	NRCC-UT-432-E	NRCC-UT-433-E	NRCC-UT-434-E	NRCC-UT-435-E	NRCC-UT-436-E	NRCC-UT-437-E	NRCC-UT-438-E	NRCC-UT-439-E	NRCC-UT-440-E	NRCC-UT-441-E	NRCC-UT-442-E	NRCC-UT-443-E	NRCC-UT-444-E	NRCC-UT-445-E	NRCC-UT-446-E	NRCC-UT-447-E	NRCC-UT-448-E	NRCC-UT-449-E	NRCC-UT-450-E	NRCC-UT-451-E	NRCC-UT-452-E	NRCC-UT-453-E	NRCC-UT-454-E	NRCC-UT-455-E	NRCC-UT-456-E	NRCC-UT-457-E	NRCC-UT-458-E	NRCC-UT-459-E	NRCC-UT-460-E	NRCC-UT-461-E	NRCC-UT-462-E	NRCC-UT-463-E	NRCC-UT-464-E	NRCC-UT-465-E	NRCC-UT-466-E	NRCC-UT-467-E	NRCC-UT-468-E	NRCC-UT-469-E	NRCC-UT-470-E	NRCC-UT-471-E	NRCC-UT-472-E	NRCC-UT-473-E	NRCC-UT-474-E	NRCC-UT-475-E	NRCC-UT-476-E	NRCC-UT-477-E	NRCC-UT-478-E	NRCC-UT-479-E	NRCC-UT-480-E	NRCC-UT-481-E	NRCC-UT-482-E	NRCC-UT-483-E	NRCC-UT-484-E	NRCC-UT-485-E	NRCC-UT-486-E	NRCC-UT-487-E	NRCC-UT-488-E	NRCC-UT-489-E	NRCC-UT-490-E	NRCC-UT-491-E	NRCC-UT-492-E	NRCC-UT-493-E	NRCC-UT-494-E	NRCC-UT-495-E	NRCC-UT-496-E	NRCC-UT-497-E	NRCC-UT-498-E	NRCC-UT-499-E	NRCC-UT-500-E	NRCC-UT-501-E	NRCC-UT-502-E	NRCC-UT-503-E	NRCC-UT-504-E	NRCC-UT-505-E	NRCC-UT-506-E	NRCC-UT-507-E	NRCC-UT-508-E	NRCC-UT-509-E	NRCC-UT-510-E	NRCC-UT-511-E	NRCC-UT-512-E	NRCC-UT-513-E	NRCC-UT-514-E	NRCC-UT-515-E	NRCC-UT-516-E	NRCC-UT-517-E	NRCC-UT-518-E	NRCC-UT-519-E	NRCC-UT-520-E	NRCC-UT-521-E	NRCC-UT-522-E	NRCC-UT-523-E	NRCC-UT-524-E	NRCC-UT-525-E	NRCC-UT-526-E	NRCC-UT-527-E	NRCC-UT-528-E	NRCC-UT-529-E	NRCC-UT-530-E	NRCC-UT-531-E	NRCC-UT-532-E	NRCC-UT-533-E	NRCC-UT-534-E	NRCC-UT-535-E	NRCC-UT-536-E	NRCC-UT-537-E	NRCC-UT-538-E	NRCC-UT-539-E	NRCC-UT-540-E	NRCC-UT-541-E	NRCC-UT-542-E	NRCC-UT-543-E	NRCC-UT-544-E	NRCC-UT-545-E	NRCC-UT-546-E	NRCC-UT-547-E	NRCC-UT-548-E	NRCC-UT-549-E	NRCC-UT-550-E	NRCC-UT-551-E	NRCC-UT-552-E	NRCC-UT-553-E	NRCC-UT-554-E	NRCC-UT-555-E	NRCC-UT-556-E	NRCC-UT-557-E	NRCC-UT-558-E	NRCC-UT-559-E	NRCC-UT-560-E	NRCC-UT-561-E	NRCC-UT-562-E	NRCC-UT-563-E	NRCC-UT-564-E	NRCC-UT-565-E	NRCC-UT-566-E	NRCC-UT-567-E	NRCC-UT-568-E	NRCC-UT-569-E	NRCC-UT-570-E	NRCC-UT-571-E	NRCC-UT-572-E	NRCC-UT-573-E	NRCC-UT-574-E	NRCC-UT-575-E	NRCC-UT-576-E	NRCC-UT-577-E	NRCC-UT-578-E	NRCC-UT-579-E	NRCC-UT-580-E	NRCC-UT-581-E	NRCC-UT-582-E	NRCC-UT-583-E	NRCC-UT-584-E	NRCC-UT-585-E	NRCC-UT-586-E	NRCC-UT-
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Project Name		AMS-Mobular Classroom 1204-82		NRC# 799-01-8		Page 10 of 13	
Project Address		Blue Canyon		L3-Edinburgh Drive/Unit 10		04/15 Tue, Feb 17, 2018	
Compliance Scope:		New/Complete		Project File Name:		AMS 1204-82 for USA - C216-HE-00101	
<b>E. Very Valuable Merchandise</b> This Section Does Not Apply							
<b>II. INDOOR &amp; OUTDOOR LIGHTING ACCEPTANCE TESTS &amp; FORMS (adapted from NRC17-LT-01-6 and NRC17-LTO-01-4)</b>							
Declaration of Received Acceptance Certificates (NRC1A) - Acceptance Certification that must be verified in the field. (Install-copies and verify forms are completed and signed to post in field for Field Inspector in write).							
Test Description		NRC1A-LT-02-A	NRC1A-LT-03-A	NRC1A-LT-04-A	NRC1A-LTO-02-A		Confidence
	# of units	Exc Sensors / Auto Test Results	Auto Daylight	Detectors Reengaged	Outdoor Controls	OK	NG
Equipment Requiring Testing in Verification							
Occupancy Sensors	5	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Automatic Time Switch	1	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Automatic Daylighting	5	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Detectors Reengaged	1	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Outdoor Controls	1	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

CA Building Energy Efficiency Standards- 2016, Notterschedel Compliance

Report Version: NRC1A-00-04 4/12/2018 16:1603

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STATE OF CALIFORNIA <b>INDOOR LIGHTING</b> (See Appendix C Table 1, photos and S&P) <b>CERTIFICATE OF COMPLIANCE</b> Indoor Lighting		CALIFORNIA ENERGY COMMISSION  (Page 2 of 6)	
Project Name: <b>AMS 24-120404-Ent &amp; Ut Loc LTD</b>		Date Prepared: <b>2/27/2016</b>	
<b>C. Summary of Allowed Lighting Power</b>			
Unbalanced and Unavoided space Lighting must be combined for compliance			
Indoor Lighting Power for Conditioned Spaces		Indoor Lighting Power for Unconditioned Spaces	
	Installed Lighting Watts		Installed Lighting Watts
01	NRCC-LT1-01-e, Table N, page 5 + 0		NRCC-LT1-01-e, Table N, page 5 + 280
02	Portable Only for Offices Minus Lighting Control Credits NRCC-LT1-02-a, page 2 - 0		Minus Lighting Control Credits NRCC-LT1-02-a, page 2 - 0
03	Adjusted Installed Lighting Power Watts 1,000 less 2 min/lux (see 4)		Adjusted Installed Lighting Power Watts 1,000 less 2 min/lux (see 4)
04	Complex 01 if installed a allowed (Box 04 < Box 05) + 0		Complex 01 if installed a allowed (Box 04 < Box 05) + 280
05	<b>Allowed Lighting Power</b> Unconditioned NRCC-LT1-03-e, page 1 50,750 Watts Alterations with replacement luminaires that have at least 50,750 Watts power compared to the original existing luminaires, may instead use the allowed wattage from NRCC-LT1-05-e, page 2		<b>Allowed Lighting Power</b> Unconditioned NRCC-LT1-03-e, page 1 281 Alterations with replacement luminaires that have at least 50,750 Watts power compared to the original existing luminaires, may instead use the allowed wattage from NRCC-LT1-05-e, page 2
<b>D. Declaration of Required Certificates of Installation</b> (Declare by selecting yes or no of all the Certificates that will be submitted. (Retain copies and verify forms are completed and signed.)			
YES	NO	Completion Description/Title	
<input checked="" type="checkbox"/>	<input type="checkbox"/>	Completion Description/Title	
<input checked="" type="checkbox"/>	<input type="checkbox"/>	NRCC-LT1-01-e. Must be submitted for all buildings	<input type="checkbox"/> Field Inspector
<input type="checkbox"/>	<input type="checkbox"/>	NRCC-LT1-02-e. Must be submitted for a lighting control system, or for an Energy Management Control System (EMCS), to be recognized for compliance.	<input type="checkbox"/> Field Inspector
<input type="checkbox"/>	<input type="checkbox"/>	NRCC-LT1-03-e. Must be submitted for a line-voltage track lighting integral ballast, or for a supplementary nonrecirculation panel used to energize only the voltage track lighting, to be recognized for compliance.	<input type="checkbox"/> Field Inspector
<input type="checkbox"/>	<input type="checkbox"/>	NRCC-LT1-04-e. Must be submitted for use unswitched systems serving an audience, a convention center, a conference room, a multipurpose room, or a theater to be recognized for compliance.	<input type="checkbox"/> Field Inspector
<input type="checkbox"/>	<input type="checkbox"/>	NRCC-LT1-05-e. Must be submitted for a Power Adjustment Factor (PAF) to be recognized for compliance.	<input type="checkbox"/> Field Inspector
<input type="checkbox"/>	<input type="checkbox"/>	NRCC-LT1-06-e. Must be submitted for additional wattage installed in a video conferencing studio to be recognized for compliance.	<input type="checkbox"/> Field Inspector
CA Building Energy Efficiency Standards - 2015 Nonresidential Addenda			

April 2016

**INDOOR LIGHTING**  
**(SECTION 24-12.04) (Amended)**  
**CERTIFICATE OF COMPLIANCE**

Project Name: **AMS 24-12040 Est A LJC LTG** Date Reported: **2/27/2018**

Page 4 of 4

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**G. Installed Portable Luminaires to Office - Derogation to Section 140.4(A)**

This section shall be filled out if office for portable luminaires is offsite (As defined in §100.1). All other planned portable luminaires must be documented on next page.

☐ This compliance document

☒ This section is used to determine if greater than 0.3 watts of portable lighting is planned for any office

☐ Fill out a separate row for each different office. Small offices that are typical (having the same general size and portable lighting) may be grouped together. This allowance shall not be applied between offices having different lighting systems

Office Installed Portable Luminaire Waiver						Office Location	Flood Inspection
1	2	3	4	5	6	7	8
Describe Luminaire Description (e.g., LED under cabinet, luminaire required directly/indirect)	Waiver per Luminaire	Number of Luminaires	Installed portable luminaire Watts per luminaire in this office (100W = 100%)	Waiver per luminaire based on code (100% = 100W = 100%)	Notes (e.g., 100W = 100%)	Identify office area in which these portable luminaires are installed	Pass / Fail
			100W = 100%	100%			<input type="checkbox"/>
							<input type="checkbox"/>
							<input type="checkbox"/>
							<input type="checkbox"/>

Total installed portable luminaire watts that are greater than 0.3 W/m<sup>2</sup> per office \_\_\_\_\_

Enter sum total of all pages here:  
 NROC Ctn-D-1-E Page 1

STATE OF CALIFORNIA <b>INDOOR LIGHTING</b> - IESNA L10-10 (Revised 1978) - <b>CERTIFICATE OF COMPLIANCE</b> Indoor Lighting Project Name: AMS 24-120d Ext & UC LTG		CALIFORNIA ENERGY COMMISSION NRC-17-01 Page 6 of 6	
Date Received: 2/27/2018			
<b>DOCUMENTATION AUTHOR'S DECLARATION STATEMENT</b>			
I, <u>Larry Day</u> , this Certificate of Compliance documentation is accurate and complete. <small>(Declaration Author's Name)</small>			
Company:	Hera Illumination	Documentation Identifier Signature:	Digital age/sdsy Hera Illumination Date: 2/28/2018 17:15:00 PST
Contact:	Brunnmett Energy Associates	Signature Date:	2/27/2018
Address:	777 S. Highway 101, Suite 203	IESA Location Identification # (optional):	NR16-16-20024
City/State/Zip:	Mans Beach, CA 92075	Phone:	619.531.1128
<b>RESPONSIBLE PERSON'S DECLARATION STATEMENT</b>			
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 1 of the Business and Professions Code to accept responsibility for the building design or system designs identified on this Certificate of Compliance (responsibility designated). 3. The energy features and performance descriptions, materials, components, and manufacturing details for the building design or system design identified on this Certificate of Compliance conform to the requirements of Title 24, Part 1 and Part 6 of the California Code of Regulations. 4. The building design features or system design features identified on this Certificate of Compliance are consistent with the information provided on other applicable compliance documents, such as permits, calculations, plans and specifications submitted to the enforcement agency for approval with the building permit application. 5. We warrant that a completed signed copy of this Certificate of Compliance shall be made available with the building personnel located 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 Design Person:	Randall P Cavanagh	Responsible Design Signature:	<i>Randall Cavanagh</i>
Company:	American Modular Systems   Gen7 Schools	Date Signed:	11/30/16
Address:	787 Spoketate Avenue	Signature:	JCE331
City/State/Zip:	Manteca, CA 95336	Phone:	209.825.7321

BY:                      DATE:                     

## DOOR LIGHTING – LIGHTING CONTROLS

CITY OF DENVER ENERGY COMMISSION

PROJECT: 1300 E. 6th Street (13) MISC: 1710-2-E

PURPOSE: REPAIRS OF COMPLIANCE (Page 2 of 3)

door lighting – Lighting Control

AMS 24-120-0-1 Exit & UCLTG

Date: 2/27/2016

Prepare document sheet be filled out for **CONDITIONS** and **UNCONDITIONED SPACES**. This page is used only for the following **CONDITIONED SPACES**: ☒ **UNCONDITIONED SPACES**

### Mandatory and Prescriptive Indoor Lighting Control Schedule, PAF Calculation, and Field Inspection Checklist

Lighting Control Schedule		Standards Complying With										PAF Credit Calculation	
		(1) as it applies, or enter: (2) if Exempted (3) if not applicable										(4) Control (5) PAF (6) PAF Credit (7) PAF Credit (8) PAF Credit (9) PAF Credit (10) PAF Credit (11) PAF Credit (12) PAF Credit (13) PAF Credit (14) PAF Credit (15) PAF Credit (16) PAF Credit (17) PAF Credit (18) PAF Credit (19) PAF Credit (20) PAF Credit (21) PAF Credit (22) PAF Credit (23) PAF Credit (24) PAF Credit (25) PAF Credit (26) PAF Credit (27) PAF Credit (28) PAF Credit (29) PAF Credit (30) PAF Credit (31) PAF Credit (32) PAF Credit (33) PAF Credit (34) PAF Credit (35) PAF Credit (36) PAF Credit (37) PAF Credit (38) PAF Credit (39) PAF Credit (40) PAF Credit (41) PAF Credit (42) PAF Credit (43) PAF Credit (44) PAF Credit (45) PAF Credit (46) PAF Credit (47) PAF Credit (48) PAF Credit (49) PAF Credit (50) PAF Credit (51) PAF Credit (52) PAF Credit (53) PAF Credit (54) PAF Credit (55) PAF Credit (56) PAF Credit (57) PAF Credit (58) PAF Credit (59) PAF Credit (60) PAF Credit (61) PAF Credit (62) PAF 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CA Building Efficiency Standards - 2019 Nonresidential Compliance

April 2019

2019 LIGHTING POWER ALLOWANCE 2019 Power (LTP)			
STATE OF CALIFORNIA		CALIFORNIA ENERGY COMMISSION	
DATE OF COMPLIANCE		NRCC-LTI-03-E	
Type of Compliance - Indoor Lighting Power Allowance		(Page 1 of 4)	
HMS 24-12040 ED & UC LTP		Site Project#	2/27/2018

This page must be filled out for Conditioned and Unconditioned Spaces. This page is only for:

☒ CONDITIONED spaces      ☐ UNCONDITIONED spaces

**SECTION 1: LIGHTING POWER ALLOWANCE**

Using Complete Building Method for compliance, use only the total in column (a) as total allowed building watts.

Using Area Category Method, Tailored Method, or a combination of Area Category and Tailored Method for compliance, use only the total in column (b) as the total allowed watts.

	(a)	(b)
Using Method Allowed Watts. Documented in section B of NRCC-LTI-03-E (below on this page)		
Using Method Allowed Watts. Documented in section C-1 of NRCC-LTI-03-E (below on this page)	281	
Using Method Allowed Watts. Documented in section A of NRCC-LTI-03-E		
<b>TOTAL ALLOWED BUILDING WATTS. Enter number into correct cell on NRCC-LTI-01, Page 1, Row 1</b>	281	

NOTE: If building contains both conditioned and unconditioned areas.

**SECTION 2: BUILDING METHOD LIGHTING POWER ALLOWANCE**

	01	02	03	04
TYPE OF BUILDING (From 1.60 & Table 1.60-4.0)		WATTS PER SF	COMPLETE BLDG. AREA	ALLOWED WATTS
Total Area:		x		=
Total Watts. Enter Total Watts into section A, row 1 (Above on this page)				

**SECTION 3: CATEGORY METHOD TOTAL LIGHTING POWER ALLOWANCES**

	Watts
Total from section C-1:	281
Total from section C-3:	0
<b>Total Watts. Enter Total Watts into section A, row 2 (Above on this page)</b>	281

**For Alterations Only – Reduced lighting power option (Total Allowed Watts x 0.85). Enter this value into section A, row 2 if using this option.**

Energy Efficiency Standards - 2019 Nonresidential Compliance

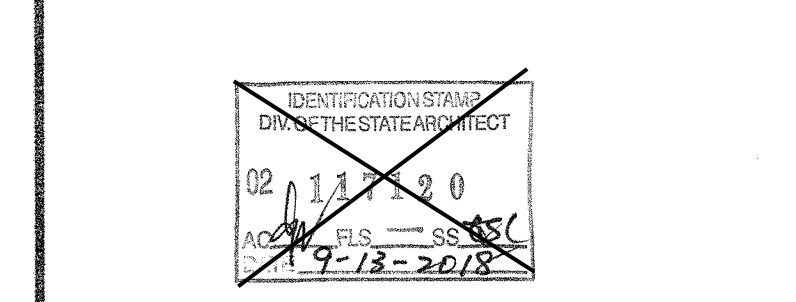
April 2019

[illegible]

24'x40' THRU 24'x120'  
STANDARD MODULAR  
BUILDINGS

SHEET TITLE

MANUFACTURER PROFESSIONAL OF RECORD ON PC



PROJECT SPECIFIC STATE AGENCY APPROVAL

ORIGINAL PC STATE AGENCY APPROVAL

~~IDENTIFICATION STAMP  
OFF. OF THE STATE ARCHITECT~~

REVISIONS

DRAWN BY:

SHEET NUMBER

STREET POWDER

100

FN 7

## LEADS

LIN. 7

\_\_\_\_\_

\_\_\_\_\_

RV 1 BOX 11

RV-1 PCX14



STATE OF CALIFORNIA

**OUTDOOR LIGHTING**

CERIFICATE OF COMPLIANCE

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CALIFORNIA FISHERY COMMISSION

ARC-170-01-1

(Page 4 of 4)

AMS 24-120x40 Ext & UG LTC

Issue Date: 2/27/2019

**DOCUMENTATION AFTER THIS DECLARATION STATEMENT**

1. I certify that this Declaration of Compliance documentation is accurate and complete.

Declaration After Sign

Declaration After Sign

Signature: **Harve Menoun**

Signature Date: **2/27/2019**

Signature: **Brummitt Energy Associates**

Signature Date: **2/27/2019**

Signature: **777 S. Highway 191, Suite 203**

Signature Date: **2/27/2019**

Signature: **Sofia Beach, CA 92075**

Signature Date: **2/27/2019**

Signature: **Sofia Beach, CA 92075**

Signature Date: **2/27/2019**

Signature: **Sofia Beach, CA 92075**

Signature Date: **2/27/2019**

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Signature Date: **2/27/2019**

Signature: **Sofia Beach, CA 92075**

Signature Date: **2/27/2019**

Signature: **Sofia Beach, CA 92075**

Signature Date: **2/27/2019**

12/12/2012 12:12 PM

# OUTDOOR LIGHTING DECLARATION

CALIFORNIA LIGHTING CENTER, INC.

CERTIFICATE OF COMPLIANCE

Outdoor Lighting Controls

Version: AMS 24-126040 EMI & LC UTO

CALIFORNIA ENERGY EFFICIENCY

NRC LTO-4013

Page 3 of 3

ISSUED: 2/27/2018

## DECLARATION AUTHOR'S DECLARATION STATEMENT

I, the undersigned, hereby declare that the information provided in this declaration is accurate and complete.

Signature: Hans Marman

Signature: Hans Marman

Signature: Hans Marman

Signature: Hans Marman

Company: Brummitt Electric Associates

Company: Brummitt Electric Associates

Signature: Hans Marman

Signature: Hans Marman

Address: 777 S. Highway 101, Suite 203

Address: 777 S. Highway 101, Suite 203

Signature: Hans Marman

Signature: Hans Marman

City: Solvang

City: Solvang

Signature: Hans Marman

Signature: Hans Marman

State: CA

State: CA

Signature: Hans Marman

Signature: Hans Marman

Phone: 805.531.1126

Phone: 805.531.1126

Signature: Hans Marman

Signature: Hans Marman

## 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 1 of the Building and Fire Protection Code for the building design or system design identified on this Certificate of Compliance (prewired design).

3. The energy feature and performance specifications, materials, components, and manufactured devices for the building design or system design identified on this Certificate of Compliance conform to the requirements of Title 24, Part 1 and Part 1 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, including but not limited to, the requirements of Title 24, Part 1 and Part 1 of the California Code of Regulations.

5. I warrant that a completed copy of this Certificate of Compliance shall be made available with the building permit(s) issued for the building, and made available to the building official for all applicable inspections. I understand that a completed signed copy of this Certificate of Compliance is required to be included with the document sent to the building official for the building permit(s) at occupancy.

Signature: Hans Marman

Signature: Hans Marman

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STATE OF CALIFORNIA  
**OUTDOOR LIGHTING POWER ALLOWANCES**  
 (SEE APPENDIX A-1.0.2) (Revised 11/15)  
 CERTIFICATE OF COMPLIANCE  
 Customer: **Los Angeles Power Associates**  
 Project: **AMS 24-120401-01 and LDC 173**

LOS ANGELES ENERGY CONSUMPTION  
 NCEC-120-01  
 (Page 3 of 4)

Date: **2/27/2018**

**C.3. WATTS ALLOWANCE PER SQUARE FOOT OF HANDICAPPED LIGHTING** - Table 160-3.0

☐ Allowance for the total site Illuminated Handicap area. Luminaire qualifying for this allowance shall be rated for 100 watts or less, as determined in accordance with Section 160-3.0(c), and shall be used-top luminaires, led-luminaires, pendant luminaires, or chandeliers.

☐ If more than one luminaire type is used per location, use multiple rows for that location.


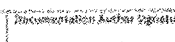
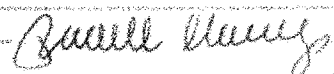
	01	02	03	04	05	06	07	08	09	10
	<b>ALLOWED WATTS</b>					<b>DESIGN WATTS</b>				
Reason of area for which additional allowance is claimed	Square Feet of Handicap	Wattage Allowance per Square Foot	Allowed Watts (01 x 03)	Luminaire Count or Symbol	Luminaire Description	Luminaire Quantity	Watts per Luminaire	Design Watts (07 x 08)	Allowed Watts (number of 05 or 09)	
Sum total allowance for illuminated lighting on this site: <b>0</b>										

**C.4. WATTS ALLOWANCE PER SQUARE FOOT OF SPECIFIC AREA** - Table 160-7.0

☐ Allowances for Building Facades; Outdoor Sales Foot; Vehicle Service Stations Handicaps; Vehicle Service Station Canopies; Sales Canopies; Non-sales Canopies; Tunnels; Guard Stairs; Louvered Pux-wind-up-off; Power Outdoor Dining; Special Security Lighting to Retail Parking and Pedestrian Handicap area

☐ If more than one luminaire type is used per location, use multiple rows for that location.

	01	02	03	04	05	06	07	08	09	10
	<b>ALLOWED WATTS</b>					<b>DESIGN WATTS</b>				
Reason of location for which additional allowance is claimed	Symmetrical Area of Application	Wattage Allowance per Square Foot	Allowed Watts (02 x 03)	Luminaire Count or Symbol	Luminaire Description	Luminaire Quantity	Watts per Luminaire	Design Watts (07 x 08)	Allowed Watts (number of 05 or 09)	
Sum total allowance for specific areas on this site: <b>0</b>										

STATE OF CALIFORNIA <b>OUTDOOR LIGHTING POWER ALLOWANCES</b> (CALIFORNIA LIGHTING POWERING) <b>CERTIFICATE OF COMPLIANCE</b> Outdoor Lighting Power Allowances Project Name: <b>AMS 24-12040 Ext &amp; LIC LTG</b>	 <b>CALIFORNIA POWER ENGINEERING</b> <b>NCCE-10-016</b> (Page 4 of 4) Print Number: <b>2/27/2018</b>
<b>DOCUMENTATION AUTHOR'S DECLARATION STATEMENT</b> I, <b>1</b> certify that this Certificate of Compliance documentation is accurate and complete.	
Name: <b>Nate Malsman</b>	
Documentation Author Signature: 	
Signature Title: <b>Brummett Energy Associates</b>	
Signature Date: <b>7/27/2018</b>	
Date of Certificate Issuance of Approval: <b>7/27/2018</b>	
Project Number: <b>NR16-10-20024</b>	
Phone: <b>619.531.1128</b>	
<b>RESPONSIBLE PERSON'S DECLARATION STATEMENT</b> 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 1 of the Business and Professions Code to accept responsibility for the building design or system designs identified on this Certificate of Compliance. 3. The energy balances and performance specifications, materials, components, and manufactured devices for the building design or system design identified on this Certificate of Compliance conform to the requirements of Title 24, Part 1 and Part 8 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 for other applicable California documents, worksheets, calculations, plans and specifications submitted to the enforcing agency for approval with this building permit application. 5. The best design is a complete design on this Certificate of Compliance and it has been made available to the enforcing agency for the building, and made available to the enforcing agency for all applicable inspections. I understand that a completed copy of this Certificate of Compliance is required to be included with the documentation the builder provides to the building engineer at occupancy.	
Responsible Person Signature: 	
Name: <b>American Modular Systems / Gmit Schools</b>	
Address: <b>767 Spencerville Avenue</b>	
City/State/Zip: <b>Maricopa, CA 95336</b>	
Registration Number: <b>11/30/16</b>	
License: <b>C12631</b>	
Date: <b>209.825.1921</b>	

## ENERGY CALCULATIONS

SHEET NUMBER



STATE OF CALIFORNIA  
**Electrical Power Distribution**  
NRC-ELC-4 (Revised 12/17)  
CALIFORNIA ENERGY COMMISSION

**CERTIFICATE OF COMPLIANCE**  
This document is used to demonstrate compliance with mandatory requirements in §130.5 for electrical systems in newly constructed nonresidential, high-rise residential and hotel/motel occupancies. Additions and alterations to electrical service systems in these occupancies will also use this document to demonstrate compliance per §141.004 or §141.005 for alterations.  
Project Name: 2016 AMS 24x40 STANDARD PC  
Project Address: NA (SITE SPECIFIC)  
Report Page: Page 1 of 3  
Date Prepared: 12/07/2017

**A. GENERAL INFORMATION**  
1. Project Location (City):  
☐ Office ☐ Retail ☐ Warehouse ☐ High-Rise Residential ☒ Relocatable ☐ Other (Write in):  
2. Occupancy Types Within Project:  
☐ Hotel/Motel ☒ School ☐ Support Areas

**B. PROJECT SCOPE**  
Table Instructions: Include any electrical service systems that are within the scope of the permit application.  
Table with 5 columns: G1, G2, G3, G4, G5. G1: Electrical Service Designation/Description. G2: Scope of Work. G3: Rating (kVA). G4: Utility Provided Metering System Exception to §130.5(c). G5: Demand Response Controls. Where required, demand response controls must be specified which are capable of receiving and automatically responding to at least one standards based messaging protocol which enables demand response after receiving a demand response signal. Sections §130.2, §130.3 and §130.5 and compliance documents NRC-MCH, NRC-LTI and NRC-LTS will indicate when demand response controls are required.

**C. COMPLIANCE RESULTS**  
Table Instructions: If this table says "DOES NOT COMPLY" refer to Table D for guidance and review the Table that indicates "No."  
Table with 5 columns: G1, G2, G3, G4, G5. G1: Service Electrical Metering §130.5(a). G2: Separation for Monitoring §130.5(b). G3: Voltage Drop §130.5(c). G4: Controlled Receptacles §130.5(d). G5: Compliance Results. (See Table G) (See Table H) (See Table I)

CA Building Energy Efficiency Standards - 2016 Nonresidential Compliance: <http://www.energy.ca.gov/title24/2016standards>  
December 2017

STATE OF CALIFORNIA  
**Electrical Power Distribution**  
NRC-ELC-4 (Revised 12/17)  
CALIFORNIA ENERGY COMMISSION

**CERTIFICATE OF COMPLIANCE**  
Project Name: 2016 AMS 24x40 STANDARD PC  
Project Address: NA (SITE SPECIFIC)  
Report Page: Page 2 of 3  
Date Prepared: 12/07/2017

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

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

**F. SERVICE ELECTRICAL METERING**  
(This Section Does Not Apply)

**G. SEPARATION OF ELECTRICAL CIRCUITS FOR ENERGY MONITORING**  
(This Section Does Not Apply)

**H. VOLTAGE DROP**  
(This Section Does Not Apply)

**I. CIRCUIT CONTROLS FOR 120-VOLT RECEPTACLES AND CONTROLLED RECEPTACLES**  
(This Section Does Not Apply)

**J. DECLARATION OF REQUIRED CERTIFICATES OF INSTALLATION**  
Table Instructions: Sections 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 F, additional Remarks. These documents must be provided to the building inspector during construction and can be found online at <http://www.energy.ca.gov/title24/2016standards>.  
Table with 2 columns: YES, NO. Form/Title. Field Inspector: Pass, Fail.  
YES ☒ NO ☐ NRC-ELC-02-E - Must be submitted for all buildings.

**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-ELC-4 (Revised 12/17)  
CALIFORNIA ENERGY COMMISSION

**CERTIFICATE OF COMPLIANCE**  
Project Name: 2016 AMS 24x40 STANDARD PC  
Project Address: NA (SITE SPECIFIC)  
Report Page: Page 3 of 3  
Date Prepared: 12/07/2017

**DOCUMENTATION AUTHOR'S DECLARATION STATEMENT**  
Documentation Author Name: JACOB P. JONES  
Company: AMERICAN MODULAR SYSTEM  
Address: 787 SPRECKELS AVE  
City/State/Zip: MANTECA, CA 95336  
Phone: (209) 825-1921  
Documentation Author Signature: [Signature]  
Signature Date: 12/07/2017  
CSA/HERS Certification Identification (if applicable):  
RESPONSIBLE PERSON'S DECLARATION STATEMENT  
I certify the following under penalty of perjury, under the laws of the State of California:  
1. The information provided on this Certificate of Compliance is true and correct.  
2. I am eligible under Division 3 of the Business and Professions Code to accept responsibility for the building design or system design identified on this Certificate of Compliance (responsible designer).  
3. The energy features and performance specifications, materials, components, and manufactured devices for the building design or system design identified on this Certificate of Compliance conform to the requirements of Title 24, Part 1 and Part 6 of the California Code of Regulations.  
4. The building design features or system design features identified on this Certificate of Compliance are consistent with the information provided on other applicable compliance documents, worksheets, calculations, plans and specifications submitted to the enforcement agency for approval with this building permit application.  
5. I will ensure that a completed signed copy of this Certificate of Compliance shall be made available with the building permit 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: RANDALL P. CAVANAGH  
Company: AMERICAN MODULAR SYSTEM  
Address: 787 SPRECKELS AVE  
City/State/Zip: MANTECA, CA 95336  
Responsible Designer Signature: [Signature]  
Signature Date: 12/12/2017  
License: C12631  
Phone: (209) 825-1921

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PRE-CHECKED SET NAME

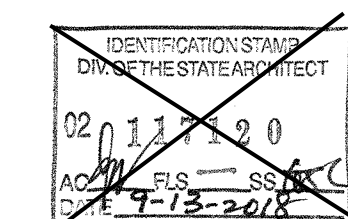
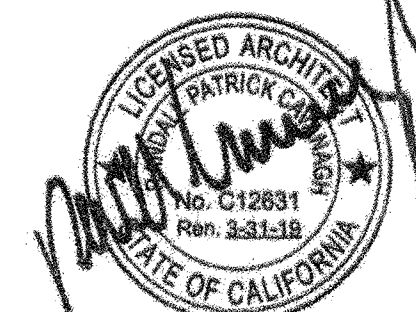
24'x40' THRU 24'x120'  
STANDARD MODULAR  
BUILDINGS

SITE SPECIFIC PROJECT NAME

SHEET TITLE

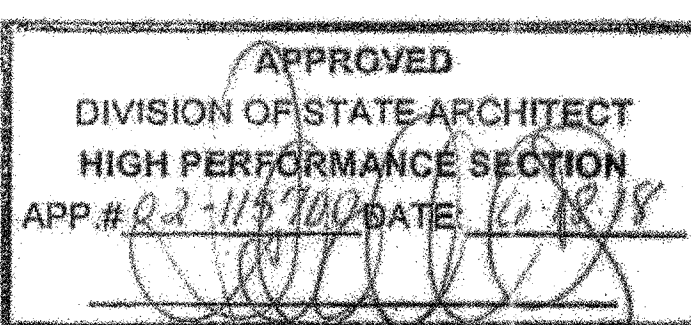
ENERGY CALCULATIONS

MANUFACTURER PROFESSIONAL OF RECORD ON PC

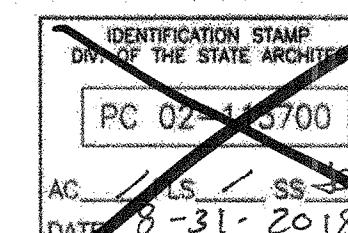


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PROJECT SPECIFIC STATE AGENCY APPROVAL



ORIGINAL PC STATE AGENCY APPROVAL



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

REVISIONS

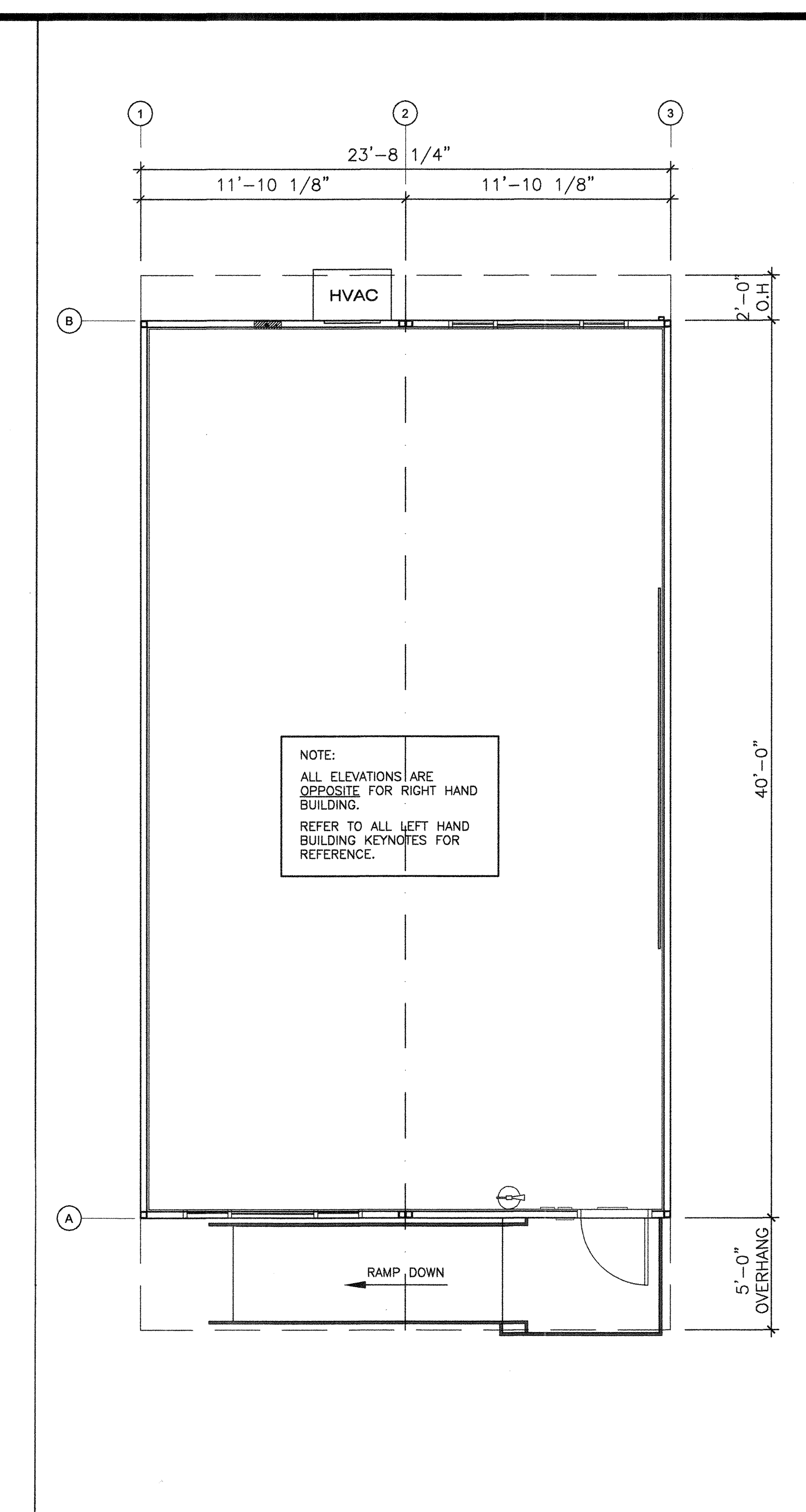
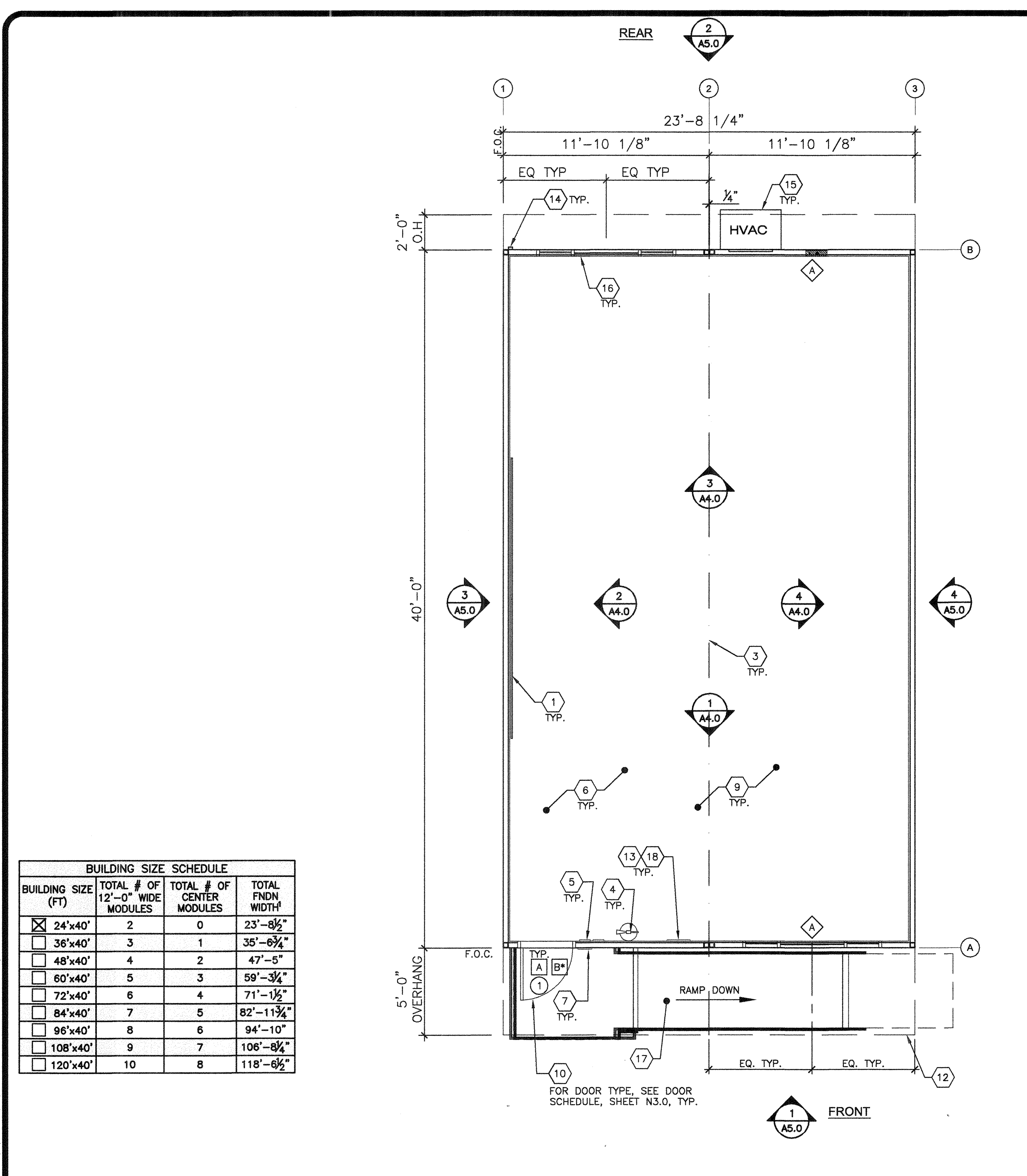
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DRAWN BY:  
SCALE: AS NOTED  
DATE:

SHEET NUMBER

EN.9





- 1 (2) 8'x4' MARKER BOARDS - SEE SHEET A4.0
- 2 NOT USED
- 3 TYP. MOD LINE
- 4 FIRE EXTINGUISHER - TOP OF HANDLE @ +48" A.F.F. 4" MAX PROTRUSION FROM WALL IF BOTTOM OF FIRE EXTINGUISHER IS ABOVE 27" A.F.F.
- 5 TACTILE EXIT SIGN PER DETAIL 10/N4.0 (BY OTHERS)
- 6 EGRESS AREA
- 7 ROOM SIGNAGE AND I.S.A. PER DETAILS 5&9/N4.0 (BY OTHERS)
- 8 NOT USED
- 9 CARPET
- 10 EGRESS DOOR
- 11 NON-ABSORBENT FLOOR AREA (2'-0" MIN. IN ALL DIRECTIONS @ ALL ENTRY DOOR)
- 12 OPTIONAL OVERHANG SEE STRUCTURAL
- 13 OCCUPANT LOAD SIGN PER DETAIL 11/N4.0 (BY OTHERS)
- 14 DOWNSPOUT - DISCHARGE TO SPLASH BLOCK (U.O.N.) (QUANTITY AND LOCATION MAY VARY)
- 15 HVAC - SEE MECHANICAL
- 16 ELECTRICAL PANEL (LOCATION MAY VARY)
- 17 OPTIONAL TYPICAL RAMP REFER TO DETAIL 16/-.
- 18 FLOOR LIVE LOAD & SNOW LOAD SIGN PER 2016 CBC SECTION 106.1 (FLOOR LIVE LOAD SIGN IS REQUIRED ONLY FOR COMMERCIAL OR INSTITUTIONAL BUILDINGS DESIGNED WITH LIVE LOADS EXCEEDING 50 PSF)
- KEY NOTES
1. REFER TO SHEETS N5.0 AND N5.1 FOR POSSIBLE ADDITIONAL FLOOR PLAN CONFIGURATIONS.
2. INTERIOR WALLS MAY OCCUR THROUGHOUT BUILDING. REFER TO SHEETS S8.1 OR S9.1 FOR ATTACHMENTS.
3. PANIC HARDWARE COMPLYING WITH C.B.C. 1010.1.10 IS REQUIRED TO BE INSTALLED WHEN THE CONFIGURATION OF ANY ROOM PROVIDES AN OCCUPANT LOAD OF 50 OR GREATER.
4. IF OCCUPANCY LOAD EXCEEDS 50, PROVIDE A SECOND EXIT DOOR, PER CBC TABLE 1006.2.1.
5. FOR ROOMS OR SPACES CLASSIFIED AS AN ASSEMBLY OCCUPANCY, PROVIDE AN OCCUPANT LOAD SIGN (BY OTHERS) IN A CONSPICUOUS PLACE, NEAR THE MAIN EXIT, PER C.B.C. SECTION 1004.3.
6. ALL PRIMARY EXTERIOR DOOR ENTRIES SHALL BE COVERED TO PREVENT WATER INTRUSION BY USING NONABSORBENT FLOOR AND WALL FINISHES WITHIN AT LEAST 2 FEET AROUND AND PERPENDICULAR TO OPENING, PER CALGREEN, SECTION 5.407.2.2.1.
7. PRIMARY EXTERIOR DOOR ENTRIES, PER CALGREEN SECTION 5.407.2.2.1, SHALL HAVE AT LEAST ONE OF THE FOLLOWING:
- ROOF OVERHANG AT LEAST 4 FEET IN DEPTH OR
  - OTHER METHODS INDEPENDENT OF THE BUILDING WHICH PROVIDE EQUIVALENT PROTECTION (PROVIDED BY OTHERS).
- SITE NOTE
- 3/16:12 (1%) MINIMUM TO 1/4:12 (2%) MAXIMUM GRADE FROM FACE OF BUILDING MUST BE ADHERED TO FOR WATER RUN-OFF. PONDING MAY OCCUR AROUND THE PERIMETER OF THE BUILDING.
- SHEET NOTES
- X = MECHANICAL OR PLUMBING FIXTURE - SEE MECHANICAL OR PLUMBING DRAWINGS
- X = KEY NOTE - SEE KEY NOTES ABOVE
- X = DOOR TYPE - SEE SCHEDULE, SHEET N3.0
- X = DOOR HARDWARE - SEE HARDWARE SCHEDULE, SHEET N3.0
- X = WINDOW TYPE - SEE SCHEDULE, SHEET N3.0
- SYMBOLS LEGEND
3. IN THE EVENT THAT A PC CLASSROOM IS DESIGNED TO CONNECT TO ANOTHER PC CLASSROOM OR RESTROOM, INTERIOR SOUND TRANSMISSION IN THE INTERIOR ADJOINING WALL AND FLOOR/CEILING SHALL MEET THE MINIMUM REQUIREMENT OF A STC OF 40, PER CALGREEN CODE SECTION 507.4.3. (EXAMPLES OF QUALIFYING ASSEMBLIES SHOWN BELOW).
- (2) LAYER 5/8" GYPSUM BOARD SECURED TO MIN. 2x4 STUDS @ 24" O.C. MAX. W/ 3/4" THK. BATT INSULATION
- STC=40  
TEST REF.: AUDIO ALLOY L.L.C  
TEST NUMBER: OL-05-1003
- (1) LAYER 1/2" GYPSUM BOARD SECURED TO MIN. 2x4 STUDS @ 16" O.C. MAX.
- STC=28  
(CATALOG SECTION 1.2.1.5.4.1)  
TEST REF.: NATIONAL RESEARCH COUNCIL OF CANADA - NRC #66
- (1) LAYER 1/2" GYPSUM BOARD SECURED TO MIN. 2x4 METAL STUDS @ 24" O.C. MAX.
- STC=27  
(CATALOG SECTION 1.3.2.5.4.1)  
TEST REF.: NATIONAL RESEARCH COUNCIL OF CANADA - NRC #66
4. MINIMUM WINDOW & DOOR RATINGS:  
ALL WINDOWS AND DOORS SPECIFIED ON THE SCHEDULES FOUND ON SHEET N3.0 OF THIS PACKAGE SHALL MEET A MINIMUM STC RATING OF 27.

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PRE-CHECKED SET NAME

24'x40'  
STANDARD MODULAR  
BUILDINGS

SITE SPECIFIC PROJECT NAME

MMM STOCKPILE  
(200) 24'x40' BUILDINGS

SHEET TITLE

TYPICAL  
FLOOR PLAN

MANUFACTURER PROFESSIONAL OF RECORD ON PC

LICENSED ARCHITECT  
PATRICK COWHILL  
No. C12631  
Ren. 3-31-19  
STATE OF CALIFORNIA

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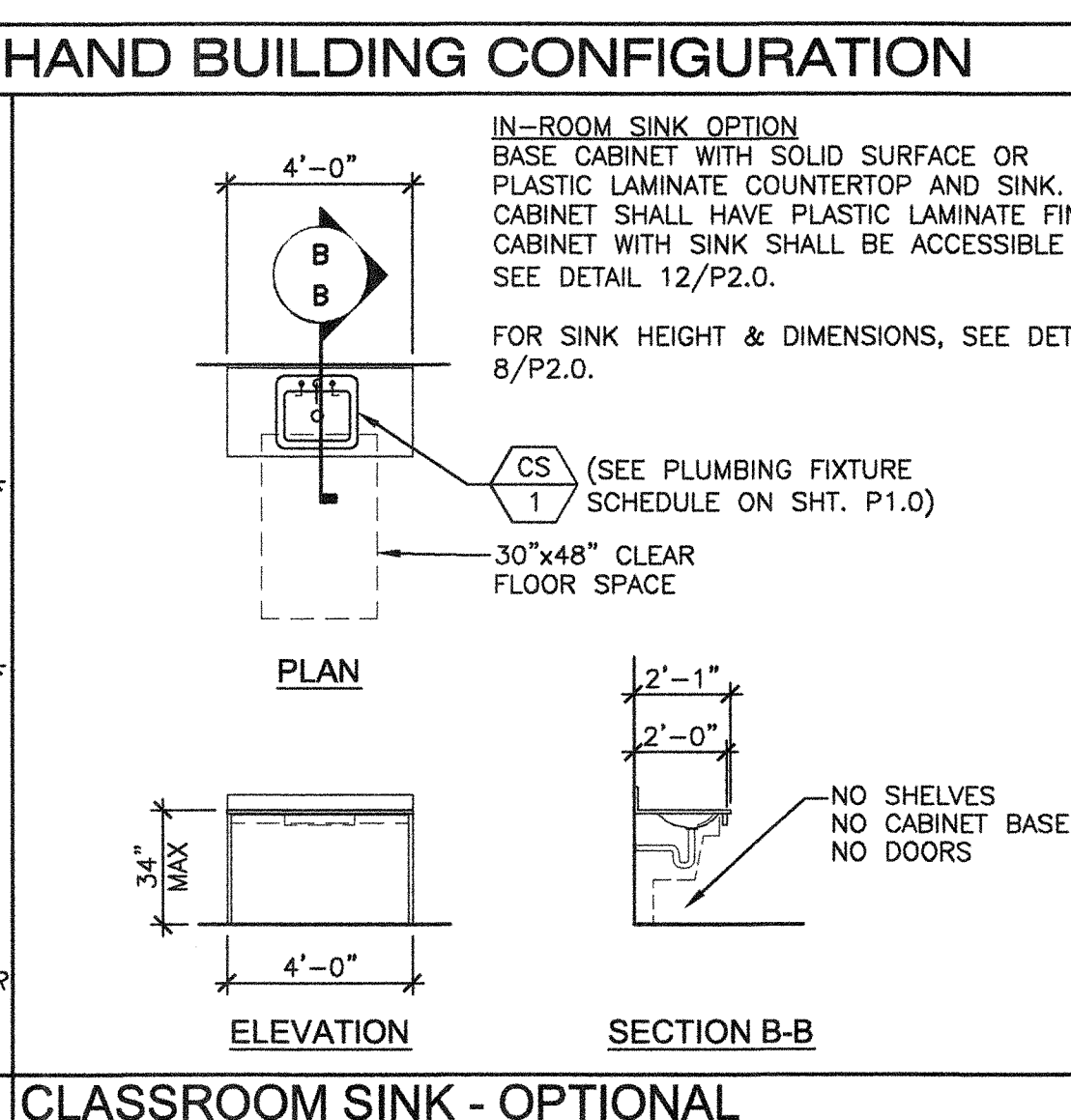
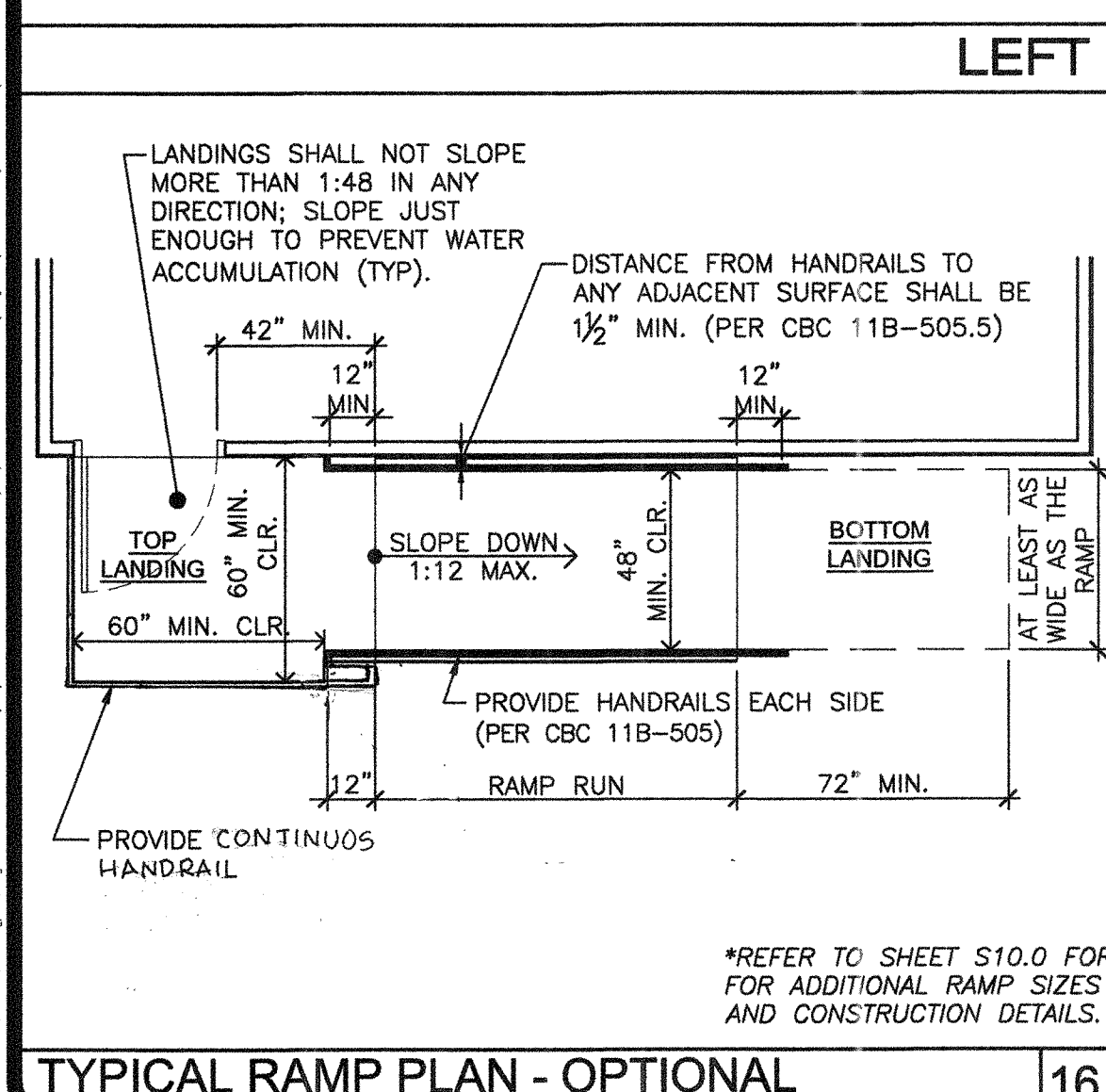
PROJECT SPECIFIC STATE AGENCY APPROVAL

File No. S-16-39  
IDENTIFICATION & SIGNATURE OF THE STATE ARCHITECT  
02/17/2021  
05/14/2021  
7-13-2018

ORIGINAL PC STATE AGENCY APPROVAL

REVISIONS

DRAWN BY: JDB  
SCALE: AS NOTED  
DATE: 09/11/2018  
SHEET NUMBER



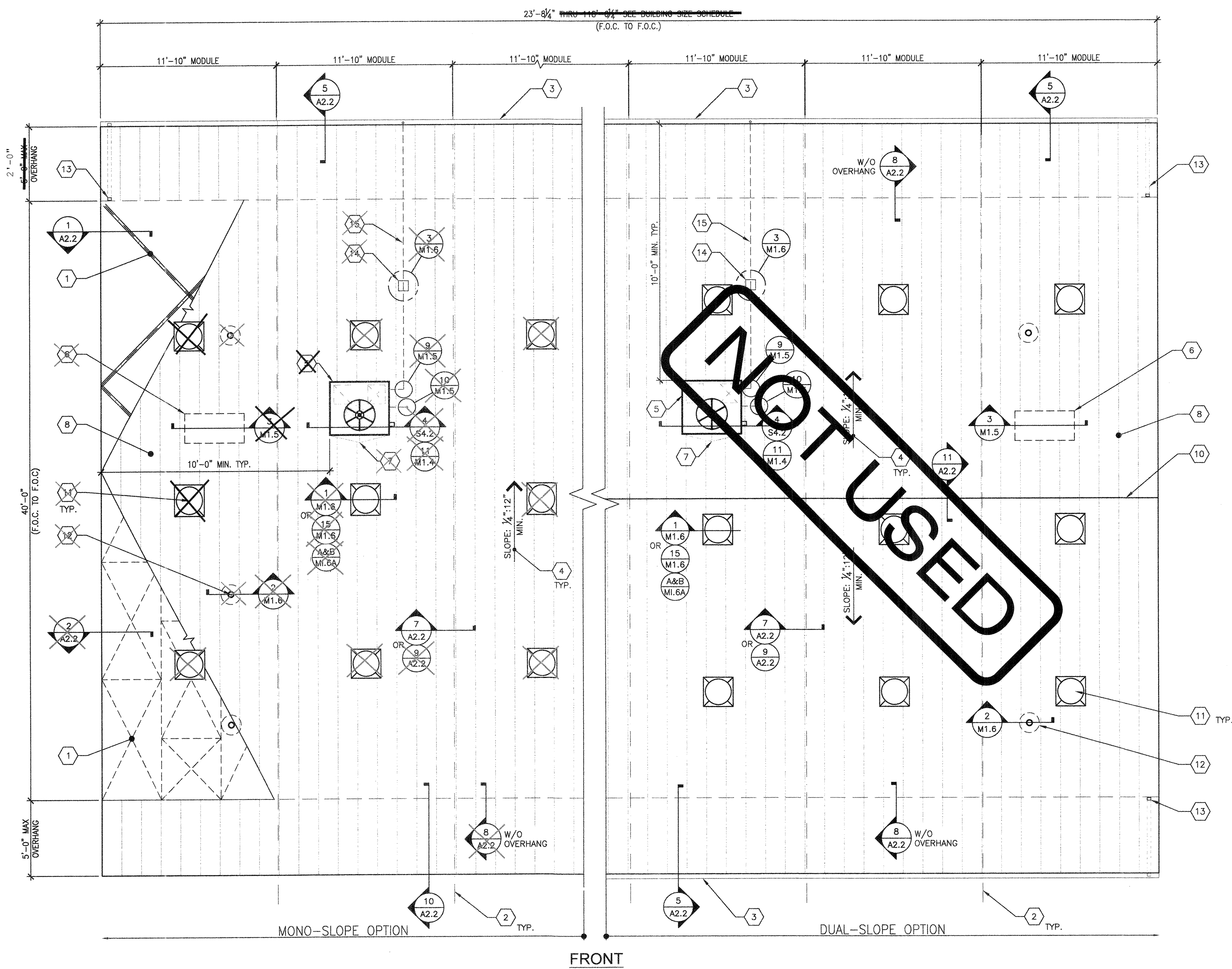
- ENERGY CONTROLS
1. DEMAND RESPONSE CONTROLS:  
ONLY REQUIRED IN BUILDINGS LARGER THAN 10,000 S.F., THEREFORE, NOT REQUIRED FOR THIS PC.
2. AUTOMATIC DAYLIGHTING CONTROLS:  
NOT REQUIRED IN ROOMS WHERE COMBINED INSTALLED LIGHTING POWER IN COMBINED SKYLIT & PRIMARY DAYLIT ZONES ARE <120 WATTS. INSTALLED WATTAGE IN PRIMARY SIDELIT DAY LIT ZONE IS 80 WATTS (2x 40w, AS SHOWN ON SHEET E1.0). THEREFORE, AUTOMATIC DAYLIGHTING CONTROLS ARE ONLY REQUIRED WHEN "SOLATUBES" ARE INSTALLED. SEE A1.1
3. ENERGY MANAGEMENT CONTROL SYSTEM (EMCS) CONNECTION:  
PER TITLE 24 CODE, "AN EMCS MAY BE INSTALLED TO COMPLY WITH THE REQUIREMENTS OF ONE OR MORE LIGHTING CONTROLS IF IT MEETS THE MINIMUM REQUIREMENTS". PC MAY CONTAIN OCCUPANCY SENSORS AND PHOTOCELL CONTROL LIGHTING, IN THAT CASE, AN EMCS IS NOT REQUIRED FOR THIS PC.
4. SOLAR-READY ZONE REQUIREMENTS:  
REQUIREMENTS & TABLE CAN BE FOUND ON SHEET A2.0
- NOTE: ANT MONITORING EQUIPMENT OR ASSOCIATED SENSORS ARE SITE SPECIFIC AND ARE NOT INCLUDED IN THE BASE PC.

- ACOUSTIC CONTROLS
1. WHEN THE PRE-CHECK (PC) BUILDING IS SITE ADAPTED, THE BUILDING AND SITE FEATURES SHALL COMPLY WITH THE CALGREEN CODE, SECTION 5.507.4, FOR THE SPECIFIC SITE LOCATION.
2. MINIMUM WALL ASSEMBLIES:  
WALL ASSEMBLIES SHALL BE CONSTRUCTED PER DETAIL SHEETS A5.1, A5.3, A5.5, A5.7, & A6.0, WITH EITHER 2x4 WOOD STUDS OR 6" STEEL STUDS PER LISTED OPTIONS. MINIMUM STC RATINGS LISTED BELOW ARE PER THE CATALOG OF STC & IIC RATINGS FOR WALL AND FLOOR/CEILING ASSEMBLIES, PRODUCED BY THE OFFICE OF NOISE CONTROL, CA DEPARTMENT OF HEALTH SERVICES.
- (1) LAYER 1/2" GYPSUM BOARD SECURED TO MIN. 2x4 STUDS @ 16" O.C. MAX.
- STC=28  
(CATALOG SECTION 1.2.1.5.4.1)  
TEST REF.: NATIONAL RESEARCH COUNCIL OF CANADA - NRC #66
- (1) LAYER 1/2" GYPSUM BOARD SECURED TO MIN. 2x4 METAL STUDS @ 24" O.C. MAX.
- STC=27  
(CATALOG SECTION 1.3.2.5.4.1)  
TEST REF.: NATIONAL RESEARCH COUNCIL OF CANADA - NRC #66

- ACOUSTIC NOTES
3. IN THE EVENT THAT A PC CLASSROOM IS DESIGNED TO CONNECT TO ANOTHER PC CLASSROOM OR RESTROOM, INTERIOR SOUND TRANSMISSION IN THE INTERIOR ADJOINING WALL AND FLOOR/CEILING SHALL MEET THE MINIMUM REQUIREMENT OF A STC OF 40, PER CALGREEN CODE SECTION 507.4.3. (EXAMPLES OF QUALIFYING ASSEMBLIES SHOWN BELOW).
- (2) LAYER 5/8" GYPSUM BOARD SECURED TO MIN. 2x4 STUDS @ 24" O.C. MAX. W/ 3/4" THK. BATT INSULATION
- STC=40  
TEST REF.: AUDIO ALLOY L.L.C  
TEST NUMBER: OL-05-1003
- (2) LAYER 5/8" GYPSUM BOARD SECURED TO MIN. 2x4 STUDS @ 24" O.C. MAX. W/ 3/4" THK BATT INSULATION
- STC=48  
TEST REF.: AUDIO ALLOY L.L.C  
TEST NUMBER OL-92-410
4. MINIMUM WINDOW & DOOR RATINGS:  
ALL WINDOWS AND DOORS SPECIFIED ON THE SCHEDULES FOUND ON SHEET N3.0 OF THIS PACKAGE SHALL MEET A MINIMUM STC RATING OF 27.



REAR



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

KEY NOTES

1. SOLATUBE LOCATIONS SHOWN ON PLAN ARE GENERAL AND ADJUST LOCATIONS MAY VARY (4) MAX. PER MOD. FRAMING PER S4.0 & S4.1 INSTALLATION PER DETAILS 1 OR 13/M1.6
2. OPTIONAL GUTTERS SHALL BE LOCATED ALONG THE END-WALLS OF THE BUILDING(S):
  - MONO-SLOPE: REAR END WALLS ONLY.
  - DUAL-SLOPE: BOTH FRONT & REAR END WALLS.
2. EITHER ROOF-SHEATHING OR STRAP CROSS BRACING MAY BE USED FOR MONO-SLOPE OR DUAL PITCH SLOPED BUILDING(S).

SHEET NOTES

- SOLAR ZONE REQUIRED, PER TITLE 24 SECTION 110.10: FOR NON-RESIDENTIAL BUILDINGS, 3 STORIES OR LESS, A MINIMUM OF 15% OF ROOF AREA (EXCLUDING SKYLIGHTS) MUST BE SET ASIDE FOR PHOTO-VOLTAICS (PV). THE ROOF MUST HAVE NO ROOF OBSTRUCTIONS.
1. REQUIRED SOLAR-READY ZONE, AREA PER THE CHART BELOW, MUST BE PROVIDED ON BUILDING ROOF.
  2. ZONE MUST BE LEFT VOID OF ROOF-MOUNTED HVAC UNITS, SKYLIGHTS OR OTHER OBSTRUCTIONS THAT WOULD HINDER FUTURE INSTALLATION OF SOLAR SYSTEM COMPONENTS, INCLUDING PV PANELS.
  3. TOTAL AREA REQUIRED FOR SOLAR-READY ZONE DOES NOT NEED TO BE LOCATED IN ONE AREA BUT CAN BE SPREAD OUT OVER ROOF.
  4. SOLAR-READY ZONE SHALL NOT INCLUDE ROOF OVERHANGS, AND SOLAR SYSTEM COMPONENTS MAY NOT BE PLACED THERE.
  5. THE ROOF STRUCTURE HAS BEEN DESIGNED PER THE DESIGN LOADS SPECIFIED ON SHEET S1, WHICH DOES NOT INCLUDE ADDITIONAL LOADS FROM SOLAR EQUIPMENT THAT MIGHT BE INSTALLED AT A LATER DATE.
  6. EQUIPMENT SUCH AS SOLAR MODULES, INVERTERS, AND METERING EQUIPMENT DO NOT NEED TO BE INSTALLED, NOR DOES CONDUIT, PIPING, OR PRE-INSTALLED MOUNTING HARDWARE.
  7. A STRUCTURAL ENGINEER SHOULD BE CONSULTED PRIOR TO ANY FUTURE SOLAR INSTALLATIONS TO DETERMINE THE ADEQUACY OF THE ROOF FRAMING TO SUSTAIN THE LOADS OF THE INSTALLATION ON THE BUILDING STRUCTURE.
  8. A SEPARATE DSA APPLICATION NUMBER IS REQUIRED FOR DESIGN & INSTALLATION OF THE SOLAR PANEL SYSTEM, ITS ANCHORAGE & ROOF SUPPORT STRUCTURE.

TYPICAL ROOF PLAN

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

ROOF AREA DRAINS (WITH 5'+2' OVERHANGS)			
BUILDING SIZE (NOM.)	ROOF AREA	MINIMUM NO. OF DRAINS	SIZE OF DRAIN
24'x40'	960	2	2x3
36'x40'	1440	2	2x3
48'x40'	1920	3	2x3
60'x40'	2400	3	2x3
72'x40'	2880	4	2x3
84'x40'	3360	5	2x3
96'x40'	3840	5	2x3
108'x40'	4320	6	2x3
120'x40'	4800	6	2x3

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

BUILDING SIZE SCHEDULE			
BUILDING SIZE (FT)	TOTAL # OF 12'-0" WIDE MODULES	TOTAL # OF CENTER MODULES	TOTAL BLDG WIDTH
24'x40'	2	0	23'-8 1/4"
36'x40'	3	1	35'-8 1/4"
48'x40'	4	2	47'-4 1/4"
60'x40'	5	3	59'-3"
72'x40'	6	4	71'-1 1/4"
84'x40'	7	5	82'-1 1/4"
96'x40'	8	6	94'-9 3/4"
108'x40'	9	7	106'-8"
120'x40'	10	8	118'-6 1/4"

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

ROOF DRAIN SCHEDULE

BUILDING SIZE SCHEDULE

NOT USED

NOT USED

SOLAR-READY ZONE REQUIREMENTS

REQUIRED SOLAR-READY ZONE		
BUILDING SIZE (NOM.)	MAX. ROOF AREA (SQ. FT.)	REQ'D ZONE AREA (SQ. FT.)
24'x40'	1200	180
36'x40'	1800	270
48'x40'	2400	360
60'x40'	3000	450
72'x40'	3600	540
84'x40'	4200	630
96'x40'	4800	720
108'x40'	5400	810
120'x40'	6000	900

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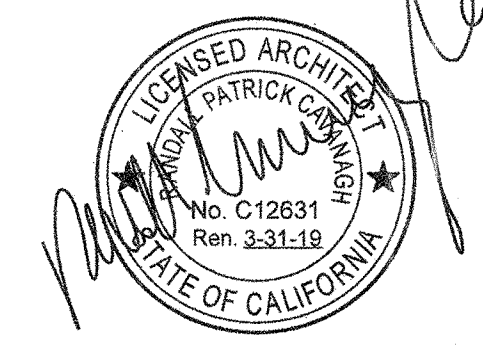
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24'x40' THRU 120'x40'  
STANDARD MODULAR  
BUILDINGS

SITE SPECIFIC PROJECT NAME

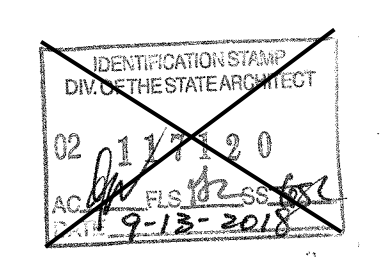
SHEET TITLE  
TYPICAL ROOF PLAN  
METAL STANDING SEAM  
(WITHOUT PARAPETS)

MANUFACTURER PROFESSIONAL OF RECORD ON PC

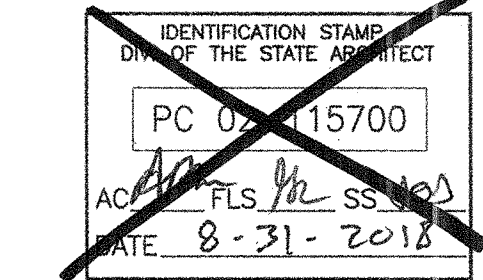


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ORIGINAL PC STATE AGENCY APPROVAL



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SHEET NUMBER

A2.0



<p>SEE 3 &amp; 4/- FOR PARAPET OPTION. SEE SHEETS A5.0, A5.2, A5.4, &amp; A5.6 FOR EXTERIOR FINISHES.</p>	<p>SEE 3 &amp; 4/- FOR PARAPET OPTION. SEE SHEETS A5.0, A5.2, A5.4, &amp; A5.6 FOR EXTERIOR FINISHES.</p>	<p>SEE 6/- FOR SCUPPER AT PARAPET. SEE SHEETS A5.0, A5.2, A5.4, &amp; A5.6 FOR EXTERIOR FINISHES.</p>	<p>SEE 6/- FOR SCUPPER AT PARAPET. SEE SHEETS A5.0, A5.2, A5.4, &amp; A5.6 FOR EXTERIOR FINISHES.</p>	<p>SEE DETAIL 8/- WITHOUT OVERHANG, GUTTER, &amp; DOWNSPOUT OPTION. SEE DETAIL 10/- WITH OVERHANG OPTION ONLY. SEE SHEETS S4.0 OR S4.1 FOR SOFFIT OPTIONS.</p>
<p>SEE DETAIL 12 FOR BUILT-UP CRICKET AT METAL ROOF.</p>	<p>NOTE: SEE DETAIL 9/- FOR OPTIONAL MOD-LINE CONNECTION AT SEISMIC JOINT.</p>	<p>SEE DETAIL 5/- WITH OVERHANG, GUTTER, &amp; DOWNSPOUT OPTION. SEE DETAIL 10/- WITH OVERHANG OPTION ONLY. SEE SHEETS S4.0 OR S4.1 FOR SOFFIT OPTIONS.</p>	<p>NOTE: SEE DETAIL 7/- FOR TYPICAL MOD-LINE CONNECTION.</p>	<p>SEE DETAIL 5/- WITH OVERHANG, GUTTER, &amp; DOWNSPOUT OPTION. SEE DETAIL 8/- WITHOUT OVERHANG, GUTTER, &amp; DOWNSPOUT OPTION. SEE SHEETS S4.0 OR S4.1 FOR SOFFIT OPTIONS.</p>
<p>SEE DETAIL 12 FOR BUILT-UP CRICKET AT METAL ROOF.</p>	<p>SEE DETAIL 12 FOR BUILT-UP CRICKET AT METAL ROOF.</p>	<p>SEE DETAIL 12 FOR BUILT-UP CRICKET AT METAL ROOF.</p>		

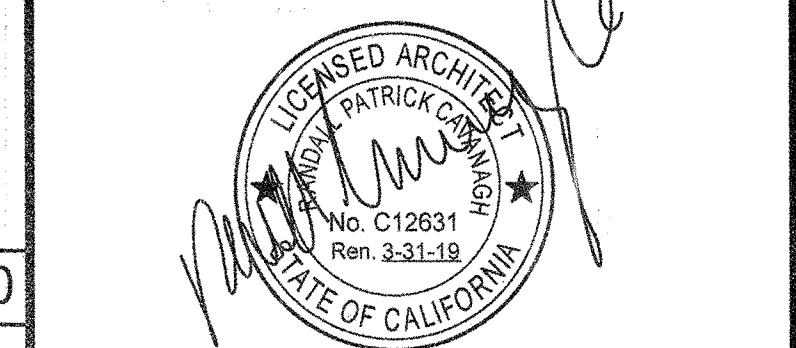
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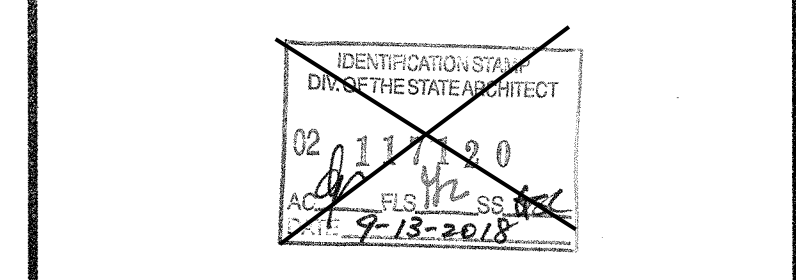
SITE SPECIFIC PROJECT NAME

SHEET TITLE  
TYPICAL ROOF DETAILS  
METAL STANDING SEAM

MANUFACTURER PROFESSIONAL OF RECORD ON PC



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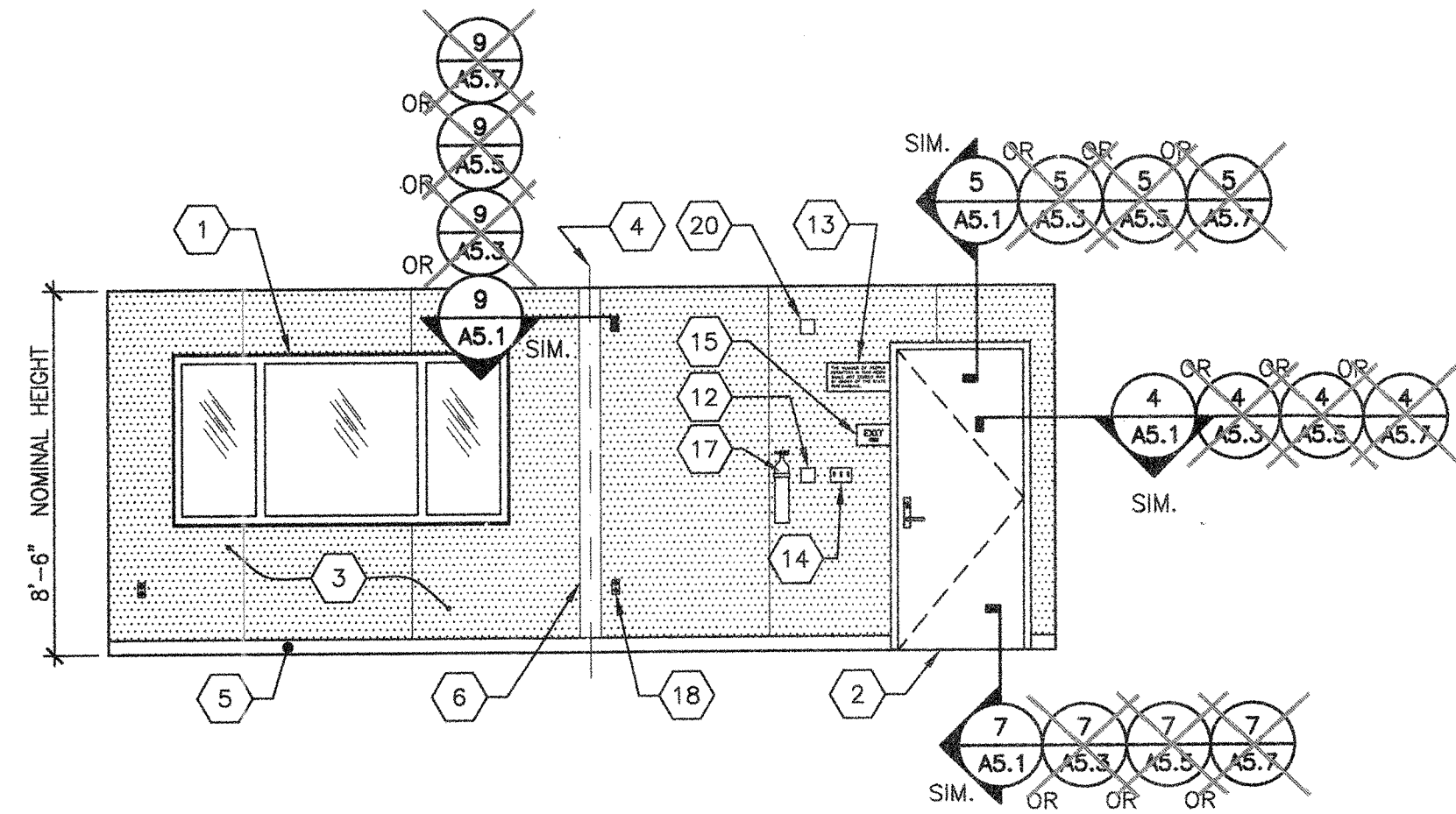


ORIGINAL PC STATE AGENCY APPROVAL  
IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT  
PC 02-118700  
ACS FLS 12  
DATE 8-31-2018  
PRE-CHECK (PC) DOCUMENT  
CODE: 2016 CBC  
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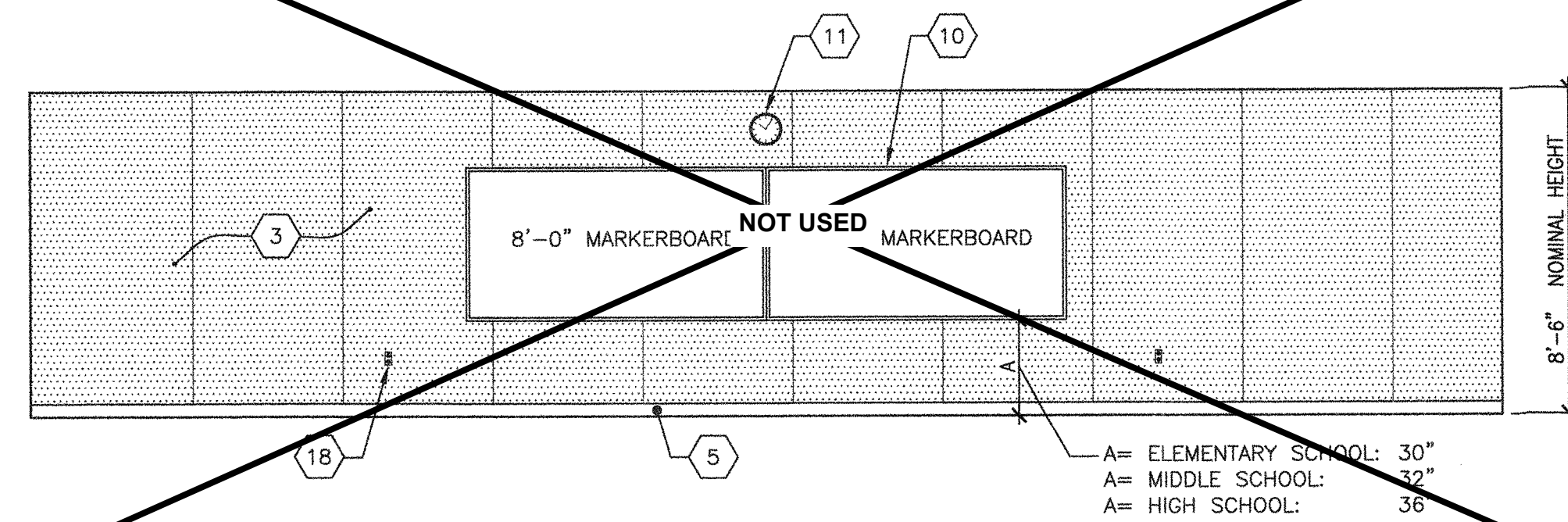
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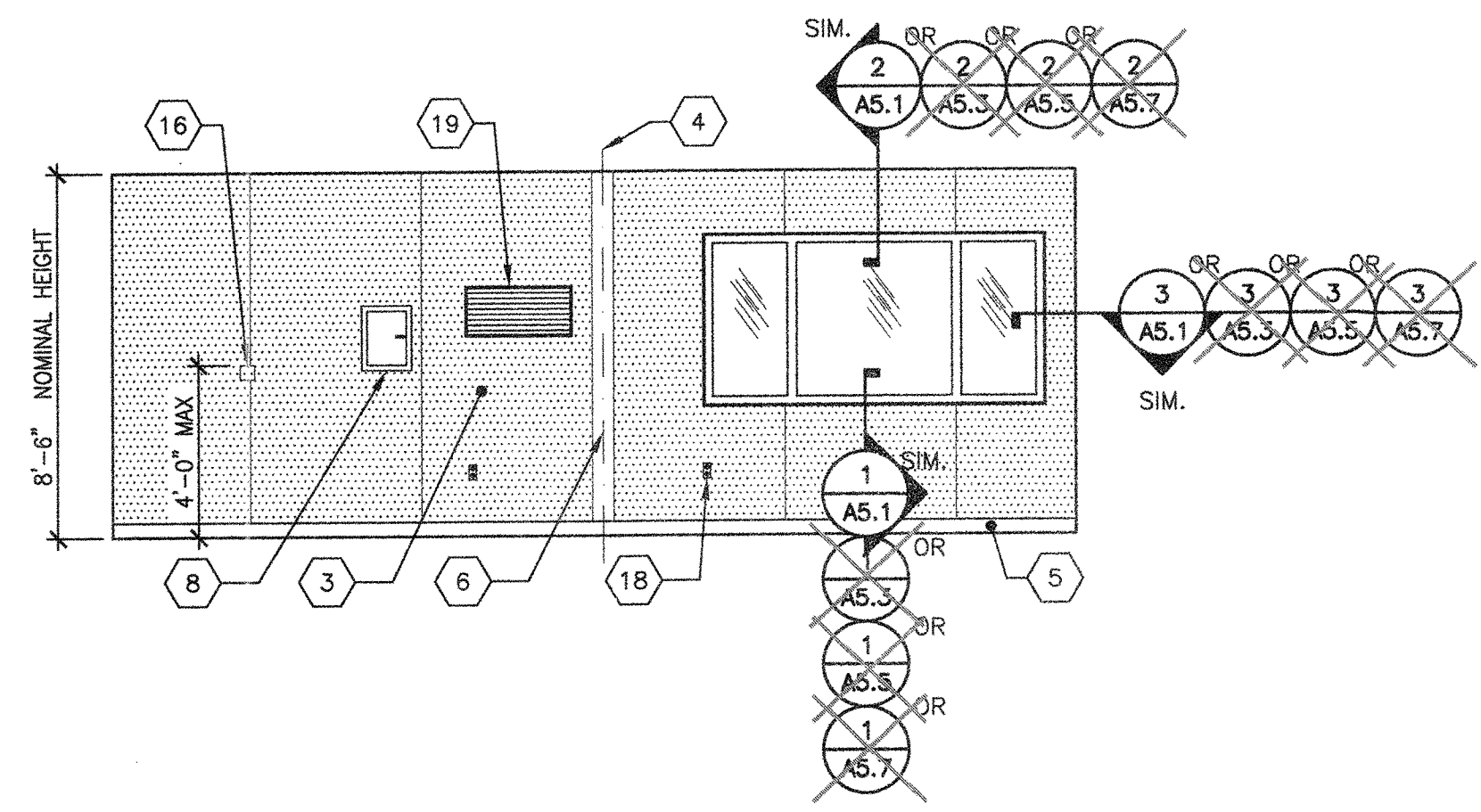
TYPICAL CLASSROOM FRONT END WALL ELEVATION

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



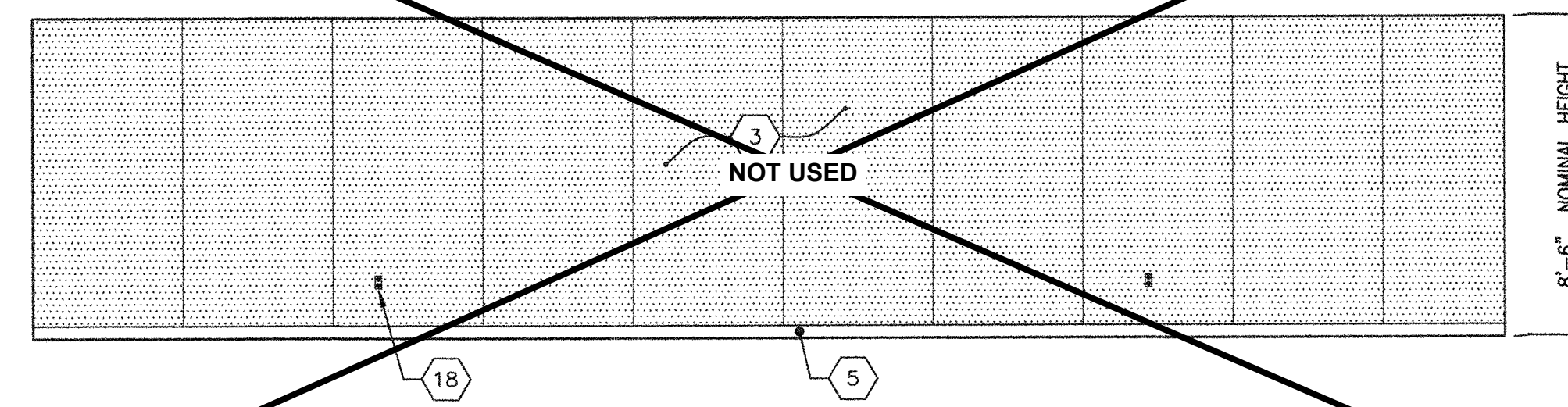
TYPICAL CLASSROOM SIDE WALL ELEVATION

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



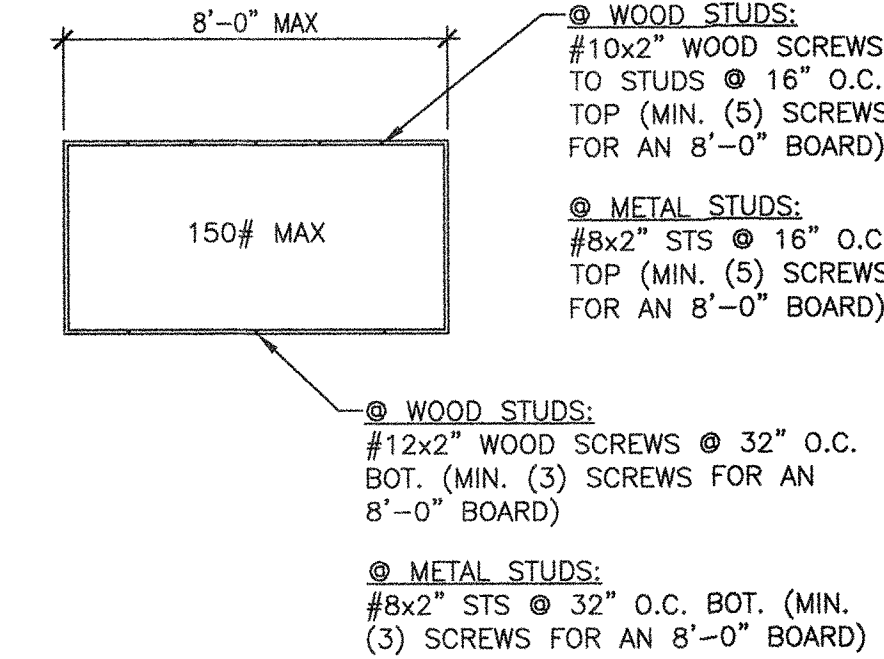
TYPICAL CLASSROOM REAR END WALL ELEVATION

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



TYPICAL CLASSROOM SIDE WALL ELEVATION

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



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

MARKERBOARD ATT. DETAIL

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

- 1 WINDOW, SEE SPEC'S
- 2 TYP. EXTERIOR DOOR
- 3 VINYL WRAPPED TACKABLE WALLS
- 4 TYP. MOD LINE
- 5 TOP SET BASE
- 6 FULL PANEL CLOSE-UP AT MOD-LINES, TYP.
- 7 NOT USED
- 8 ELECTRICAL PANEL - SEE ELECTRICAL SHEETS
- 9 NOT USED
- 10 (2) 8'x4' MARKER BOARDS - SEE DETAIL 8/A4.0
- 11 CLOCK
- 12 PULL STATION J-BOX 48" A.F.F. - SEE ELECTRICAL SHEETS
- 13 OCCUPANT LOAD SIGN PER DETAIL 11/N4.0 (BY OTHERS)
- 14 LIGHT SWITCH - SEE ELECTRICAL SHEETS
- 15 EXIT TACTILE SIGN PER DETAIL 10/N4.0 (NIC)
- 16 THERMOSTAT, TOP @ 48" A.F.F. - SEE MECHANICAL SHEETS
- 17 FIRE EXTINGUISHER TOP OF HANDLE @ +48" MAX. A.F.F. PROTRUSION MAX 4" FROM WALL OR BOTTOM OF FIRE EXTINGUISHER LESS THAN +27" A.F.F
- 18 TYP DUPLEX OUTLET - SEE ELECTRICAL SHEETS
- 19 HVAC GRILL
- 20 HORN/STROBE J-BOX - SEE ELECTRICAL SHEETS

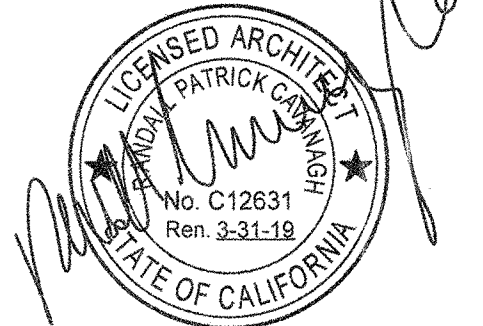
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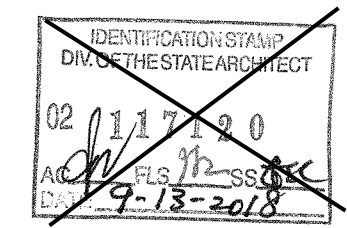
SHEET TITLE  
INTERIOR ELEVATIONS  
TYPICAL CLASSROOM

MANUFACTURER PROFESSIONAL OF RECORD ON PC

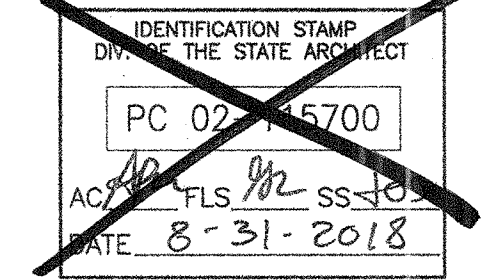


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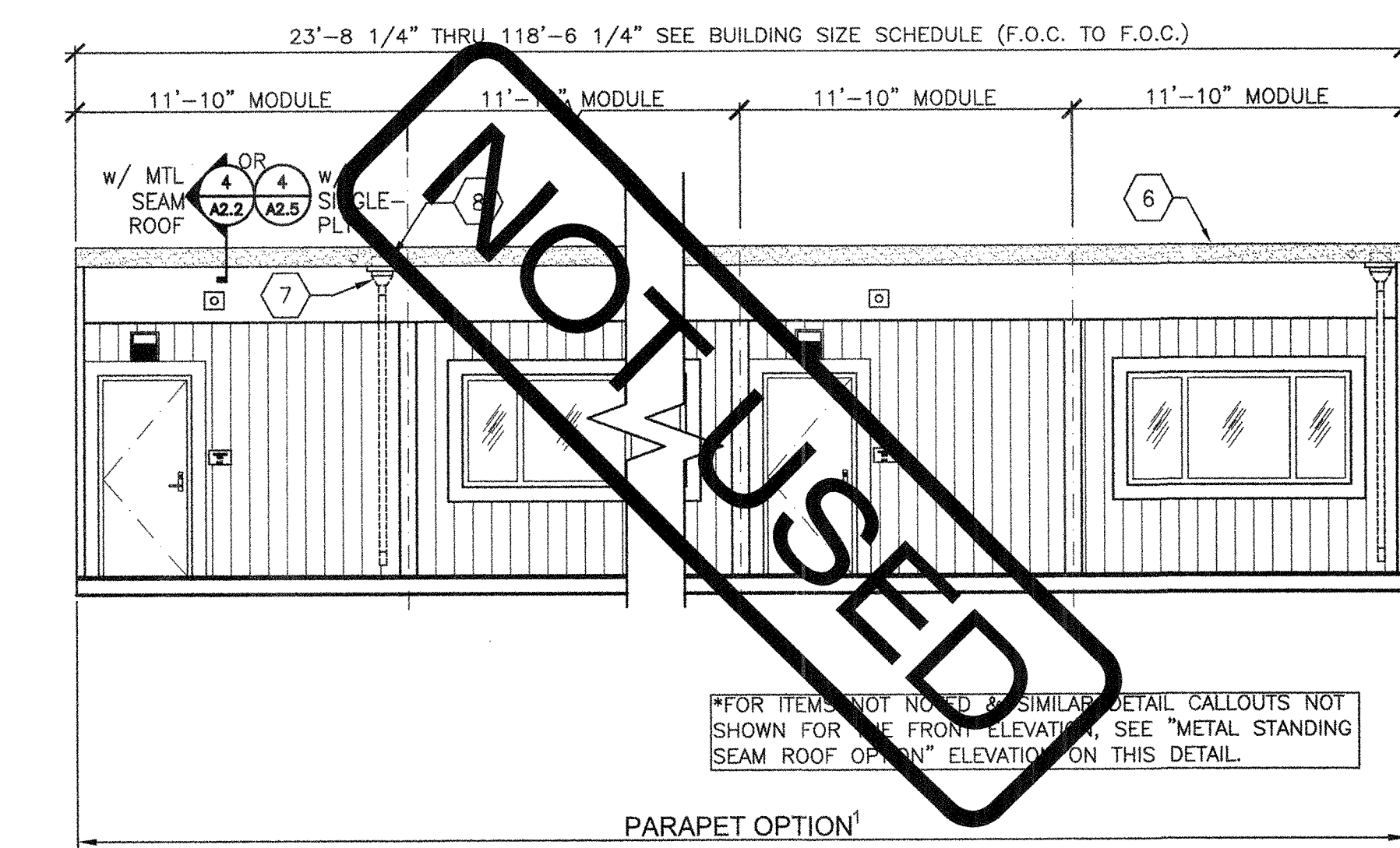
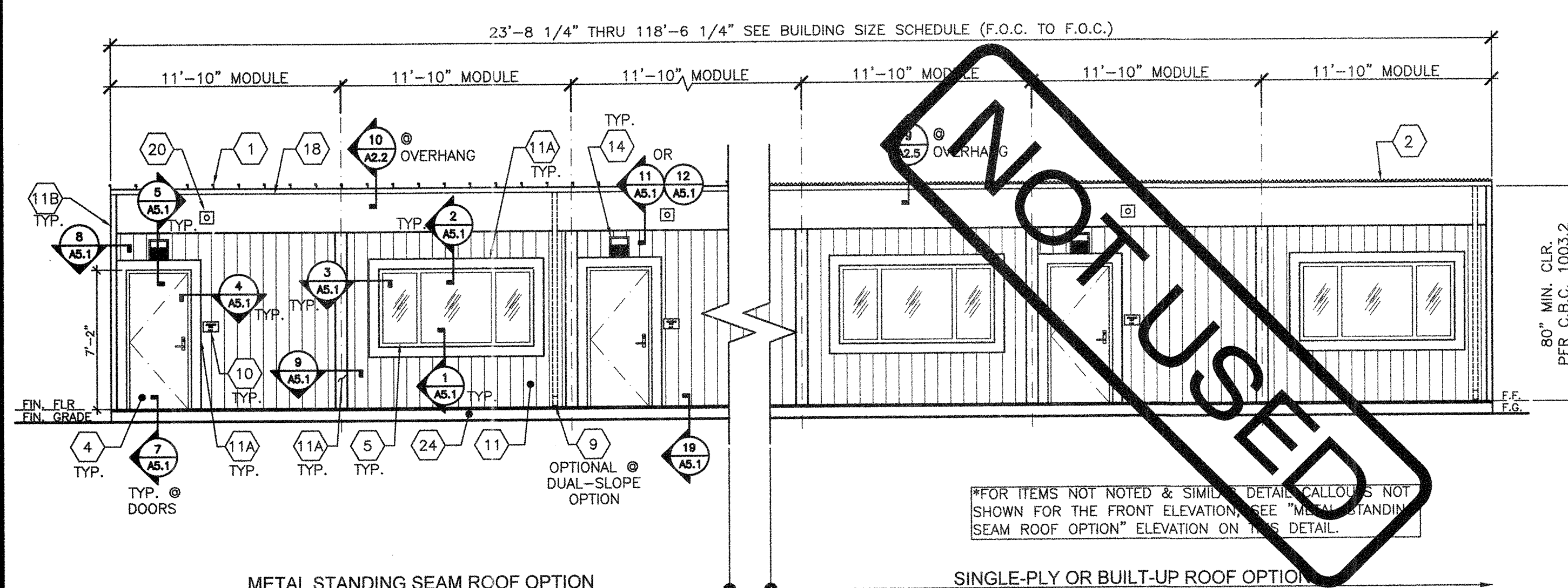
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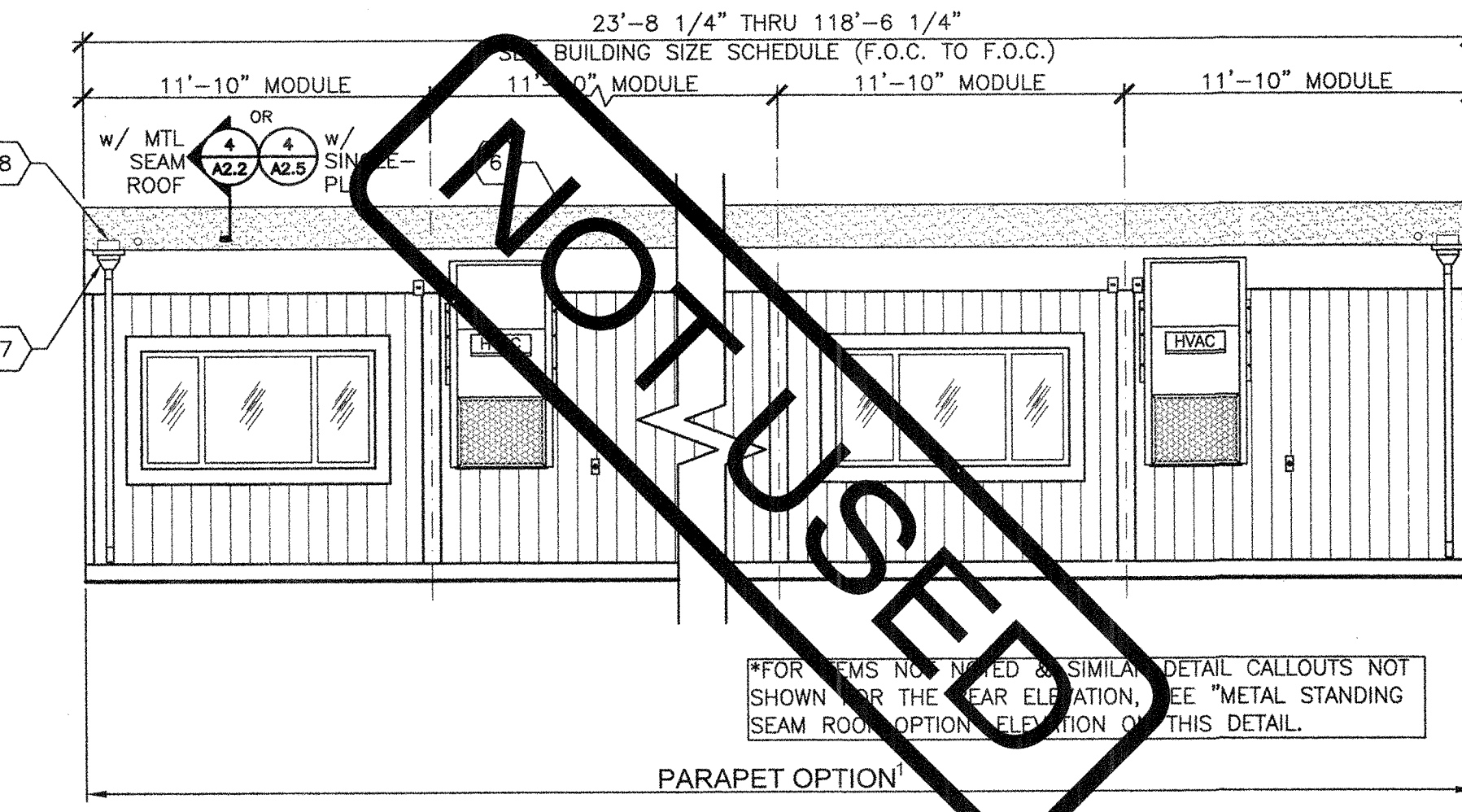
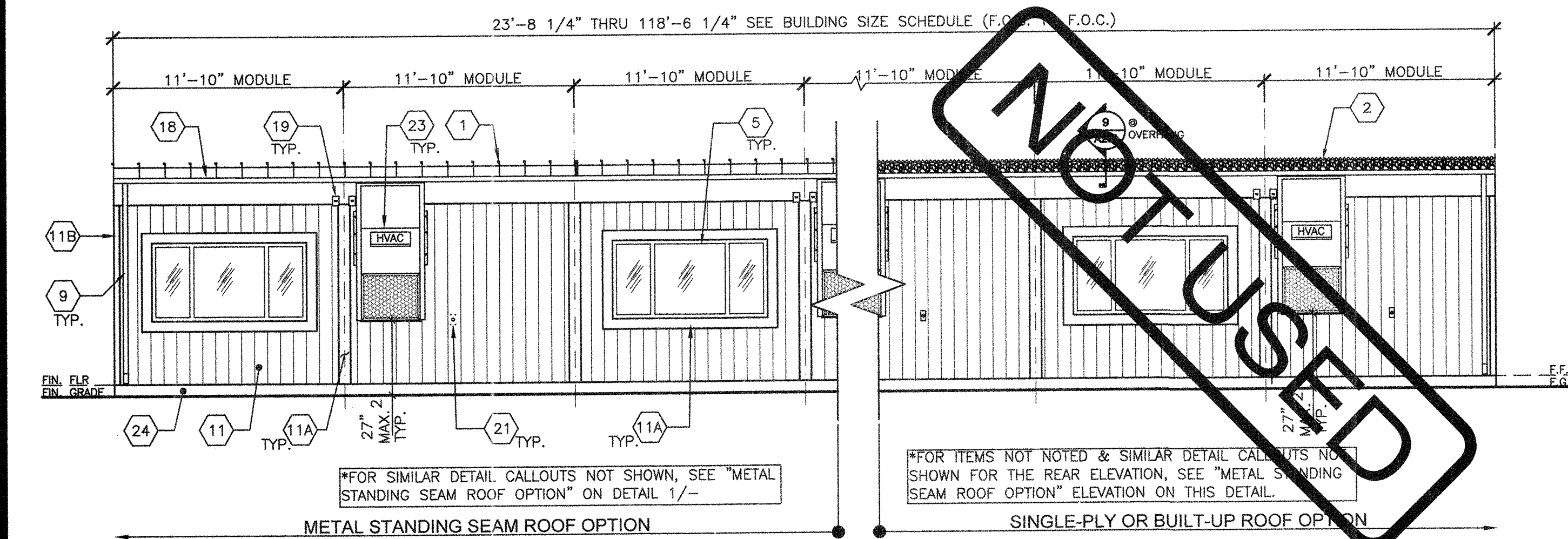
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KEY NOTES

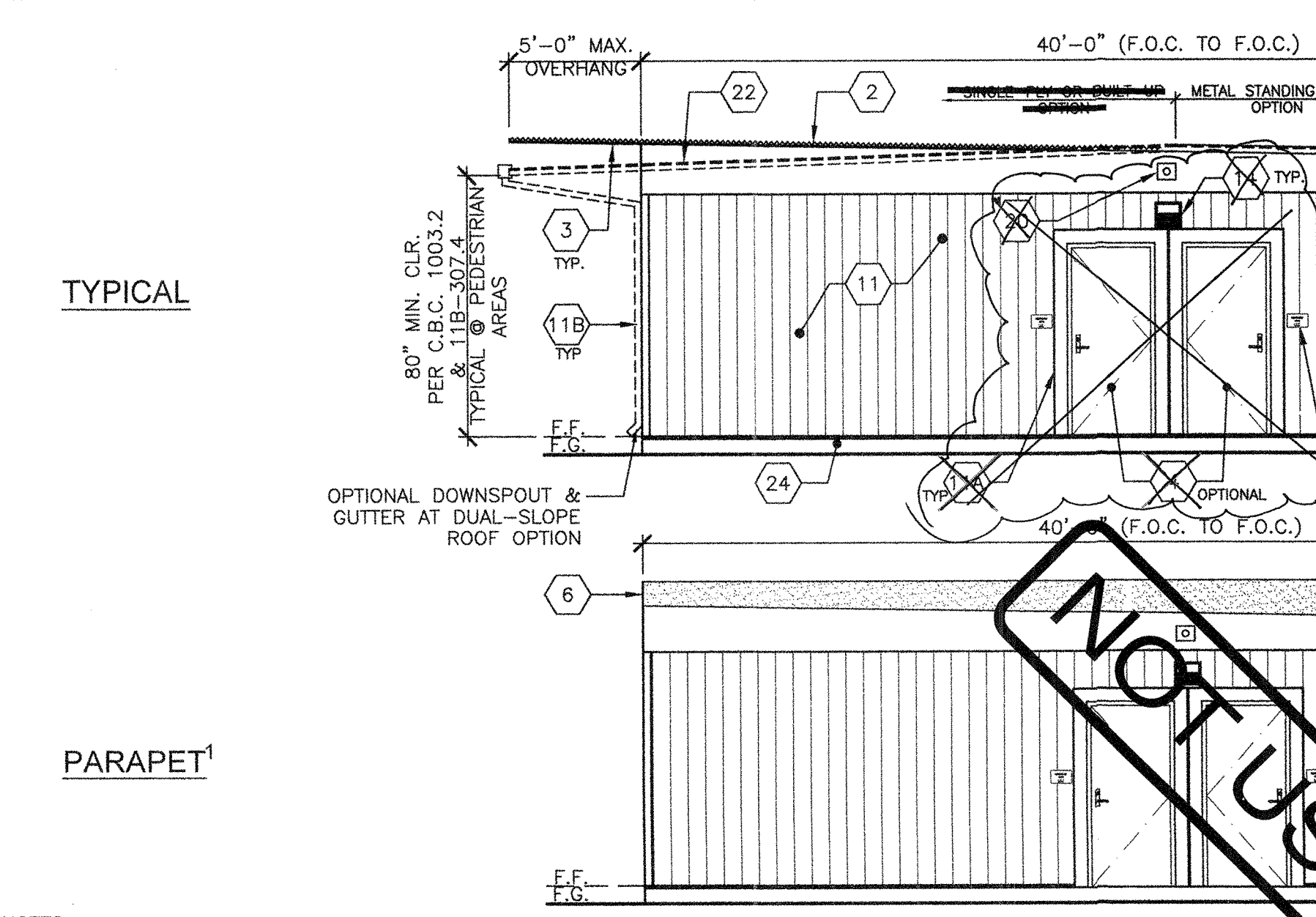
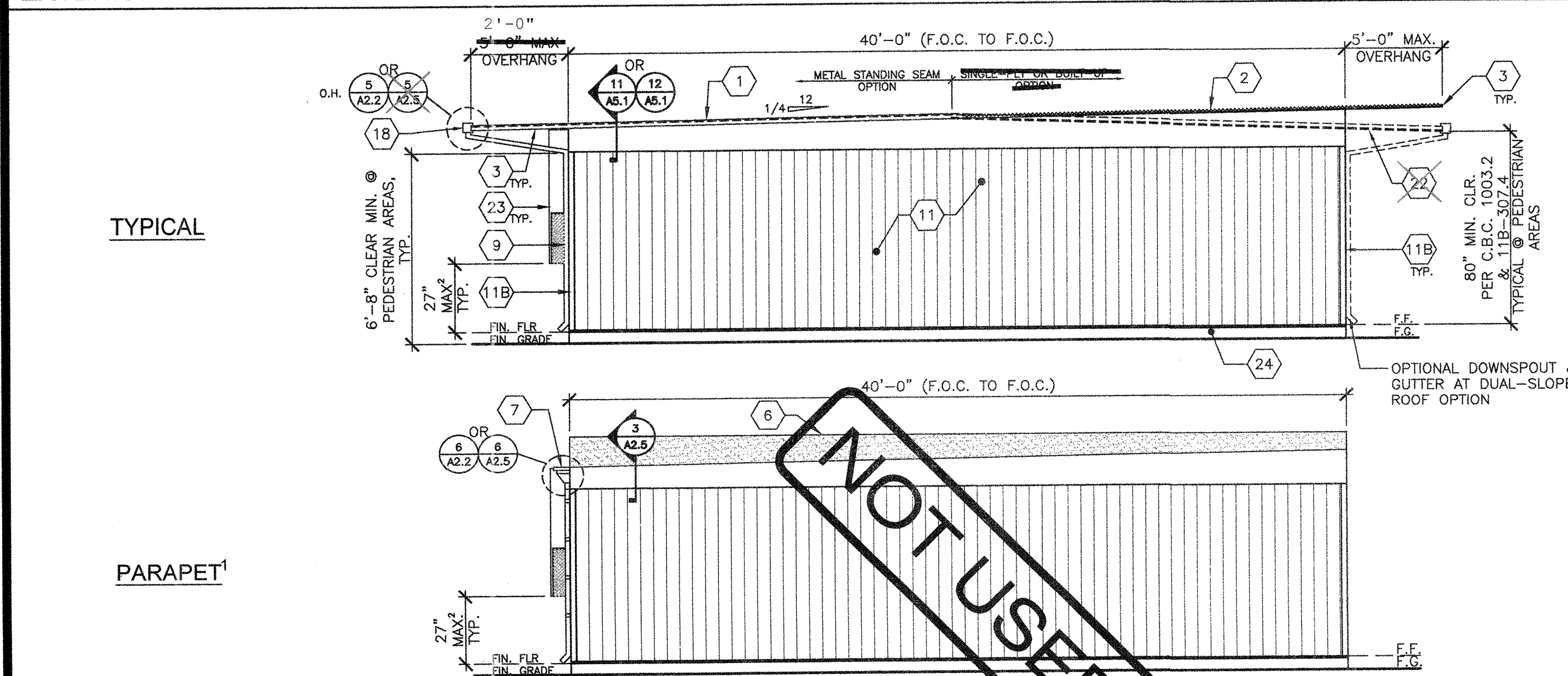




EXTERIOR ELEVATION - FRONT



EXTERIOR ELEVATION - REAR



EXTERIOR ELEVATION - LEFT

EXTERIOR ELEVATION - RIGHT

1. STANDING SEAM METAL ROOFING
2. SINGLE-PLY ROOFING
3. OVERHANG - SEE STRUCTURAL
4. TYP. EXTERIOR DOOR - SEE SCHEDULE SHEET N3.0
5. WINDOW - SEE SCHEDULE SHEET N3.0
6. OPTIONAL PARAPET - SEE SHEET S4.3
7. SCUPPER @ PARAPET OPTION - SEE DETAIL 6/A2.5
8. 4"x4" MIN. SCUPPER BOX @ PARAPET OPTION - SEE DETAIL 6 & 13/A2.5
9. DOWNSPOUT SEE DETAIL 8/A5.1 FOR ATTACHMENT
10. ROOM ID AND ISA SIGNAGE (BY OTHER) SEE DETAILS 5 & 9/N4.0 - TYP.
11. 5/8" OSB SHEATHING DURATAMP 303
- 11A. 1x4 TRIM
- 11B. 22 GA. CORNER FLASHING
12. NOT USED
13. NOT USED
14. EXTERIOR LIGHT - SEE ELECTRICAL
15. NOT USED
16. NOT USED
17. NOT USED
19. MODULAR IDENTIFICATION TAG +90" ABOVE A.F.F.
20. FIRE ALARM HORN(BY OTHERS)-REFER TO ELECTRICAL PLANS
21. WP/G.F.C.I. @ HVAC UNITS - REFER TO ELECTRICAL PLANS
22. DUAL SLOPE OPTION
23. HVAC UNIT
24. SHEET METAL FLASHING PAINTED BODY COLOR

KEYNOTES

PROJECT SPEC BUILDING SIZE	BUILDING	12'-0" MODULES	OVERALL SIZE
<input checked="" type="checkbox"/>	24'x40'	2	23'-8 1/4"
<input type="checkbox"/>	36'x40'	3	35'-6 1/2"
<input type="checkbox"/>	48'x40'	4	47'-4 1/2"
<input type="checkbox"/>	60'x40'	5	59'-3"
<input type="checkbox"/>	72'x40'	6	71'-1 1/2"
<input type="checkbox"/>	84'x40'	7	82'-11 1/2"
<input type="checkbox"/>	96'x40'	8	94'-9 3/4"
<input type="checkbox"/>	108'x40'	9	106'-8"
<input type="checkbox"/>	120'x40'	10	118'-6 1/4"

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

BUILDING SIZE SCHEDULE

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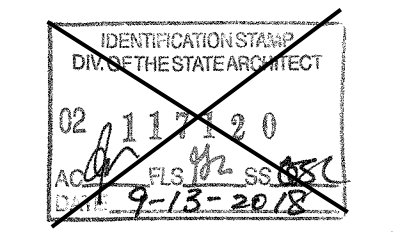
SITE SPECIFIC PROJECT NAME

TYPICAL EXTERIOR  
ELEVATIONS- DURATEMP  
303 SIDING OPTION

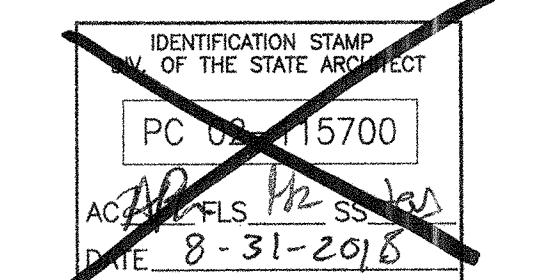
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A5.0



<p>EXTERIOR</p> <p>INTERIOR</p> <p>WINDOW SILL PER S8.0 OR S9.0</p> <p>PRE-FINISHED PANELING</p> <p>SHEETROCK</p> <p>VINYL TACKBOARD</p> <p>CAULK, TYP.</p> <p>5/8" APA-303 DURATEMP SIDING w/ VERTICAL GROOVES @ 8" O.C. OVER VAPOR BARRIER, TYP.</p> <p>1x4 TRIM, ATTACHED w/ 0.131x2 1/2" NAILS @ 24" O.C. MAX</p> <p>WOOD STUD WALLS (#6x2 1/2" S.T.S. SCREWS @ METAL STUDS)</p> <p>CAULK, TYP.</p> <p>5/8" APA-303 DURATEMP SIDING w/ VERTICAL GROOVES @ 8" O.C. OVER VAPOR BARRIER, TYP.</p> <p>WINDOW SILL PER S8.0 OR S9.0</p> <p>VINYL TACKBOARD</p> <p>TYP. EXTERIOR WALL</p>	<p>EXTERIOR</p> <p>INTERIOR</p> <p>5/8" APA-303 DURATEMP SIDING w/ VERTICAL GROOVES @ 8" O.C. OVER VAPOR BARRIER, TYP.</p> <p>CAULK, TYP.</p> <p>1x4 TRIM, ATTACHED w/ 0.131x2 1/2" NAILS @ 24" O.C. MAX</p> <p>WOOD STUD WALLS (#6x2 1/2" S.T.S. SCREWS @ METAL STUDS)</p> <p>CAULK, TYP.</p> <p>5/8" APA-303 DURATEMP SIDING w/ VERTICAL GROOVES @ 8" O.C. OVER VAPOR BARRIER, TYP.</p> <p>WINDOW SILL PER S8.0 OR S9.0</p> <p>VINYL TACKBOARD</p> <p>TYP. EXTERIOR WALL</p>	<p>EXTERIOR</p> <p>INTERIOR</p> <p>5/8" APA-303 DURATEMP SIDING w/ VERTICAL GROOVES @ 8" O.C. OVER VAPOR BARRIER, TYP.</p> <p>CAULK, TYP.</p> <p>1x4 TRIM, ATTACHED w/ 0.131x2 1/2" NAILS @ 24" O.C. MAX</p> <p>WOOD STUD WALLS (#6x2 1/2" S.T.S. SCREWS @ METAL STUDS)</p> <p>CAULK, TYP.</p> <p>5/8" APA-303 DURATEMP SIDING w/ VERTICAL GROOVES @ 8" O.C. OVER VAPOR BARRIER, TYP.</p> <p>WINDOW SILL PER S8.0 OR S9.0</p> <p>VINYL TACKBOARD</p> <p>TYP. EXTERIOR WALL</p>	<p>EXTERIOR</p> <p>INTERIOR</p> <p>5/8" APA-303 DURATEMP SIDING w/ VERTICAL GROOVES @ 8" O.C. OVER VAPOR BARRIER, TYP.</p> <p>CAULK, TYP.</p> <p>1x4 TRIM, ATTACHED w/ 0.131x2 1/2" NAILS @ 24" O.C. MAX</p> <p>WOOD STUD WALLS (#6x2 1/2" S.T.S. SCREWS @ METAL STUDS)</p> <p>CAULK, TYP.</p> <p>5/8" APA-303 DURATEMP SIDING w/ VERTICAL GROOVES @ 8" O.C. OVER VAPOR BARRIER, TYP.</p> <p>WINDOW SILL PER S8.0 OR S9.0</p> <p>VINYL TACKBOARD</p> <p>TYP. EXTERIOR WALL</p>	<p>EXTERIOR</p> <p>INTERIOR</p> <p>5/8" APA-303 DURATEMP SIDING w/ VERTICAL GROOVES @ 8" O.C. OVER VAPOR BARRIER, TYP.</p> <p>CAULK, TYP.</p> <p>1x4 TRIM, ATTACHED w/ 0.131x2 1/2" NAILS @ 24" O.C. MAX</p> <p>WOOD STUD WALLS (#6x2 1/2" S.T.S. SCREWS @ METAL STUDS)</p> <p>CAULK, TYP.</p> <p>5/8" APA-303 DURATEMP SIDING w/ VERTICAL GROOVES @ 8" O.C. OVER VAPOR BARRIER, TYP.</p> <p>WINDOW SILL PER S8.0 OR S9.0</p> <p>VINYL TACKBOARD</p> <p>TYP. EXTERIOR WALL</p>	
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PRE-CHECKED SET NAME

**24'x40' THRU 120'x40' STANDARD MODULAR BUILDINGS**

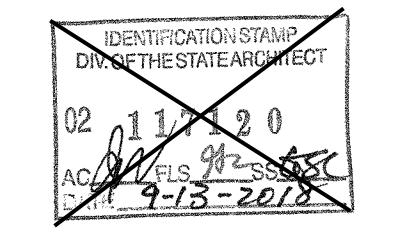
SITE SPECIFIC PROJECT NAME

**TYP. ARCHITECTURAL DETAILS  
DURATEMP 303  
SIDING OPTION**

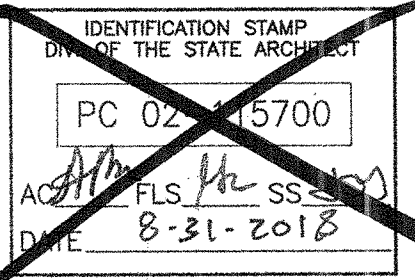
MANUFACTURER PROFESSIONAL OF RECORD ON PC



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PROJECT SPECIFIC STATE AGENCY APPROVAL



ORIGINAL PC STATE AGENCY APPROVAL



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

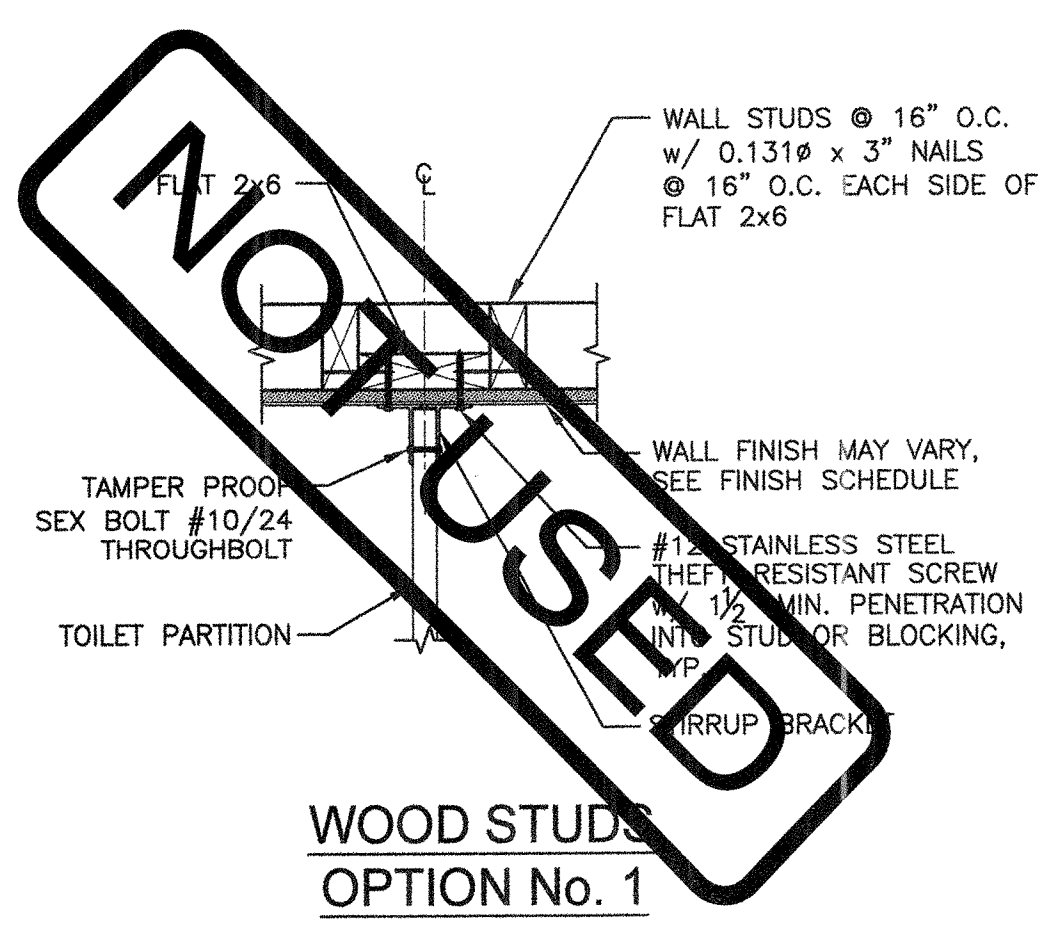
REVISIONS

REVISIONS

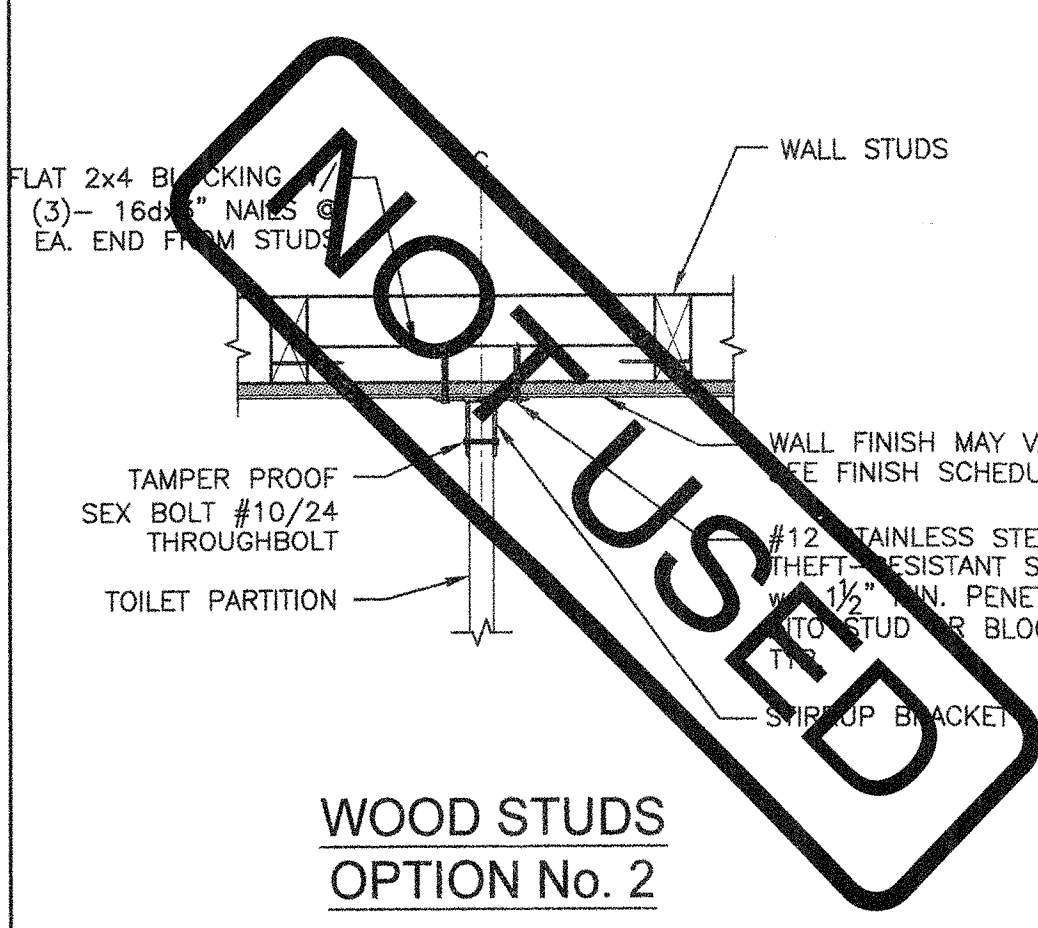
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SCALE: AS NOTED  
DATE: SHEET NUMBER

**A5.1**



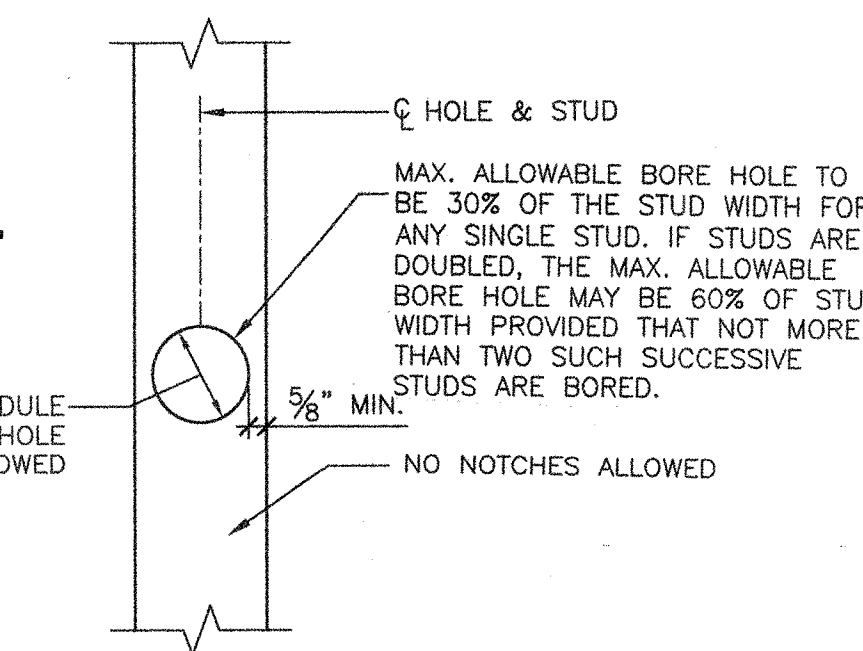


WOOD STUDS  
OPTION No. 1

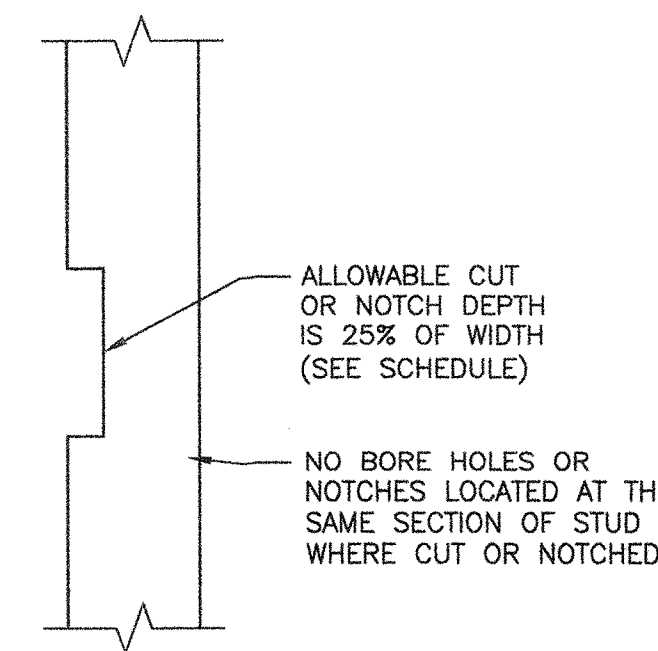


WOOD STUDS  
OPTION No. 2

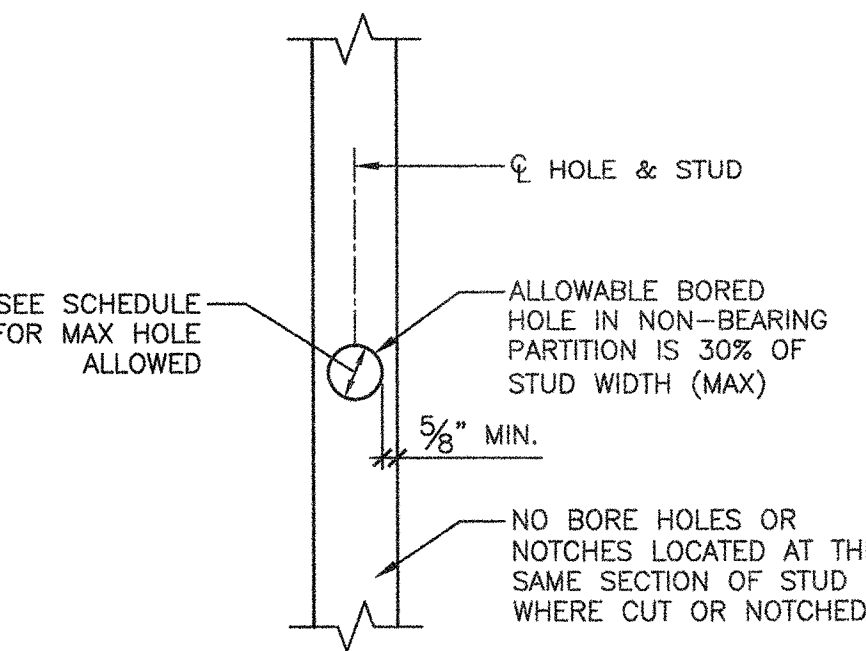
NOTCH & BORING SCHEDULE					
	STUD WIDTH		NOTCHING	BORING	
SIZE	NOMINAL	ACTUAL	25%	30%	60%
2x4	4"	3½"	7⁄8"	1"	2¼"
2x6	6"	5½"	1⅜"	1⅝"	3¼"
2x8	8"	7¼"	1⅞"	2⅛"	4⅛"



EXTERIOR WALL  
BORING



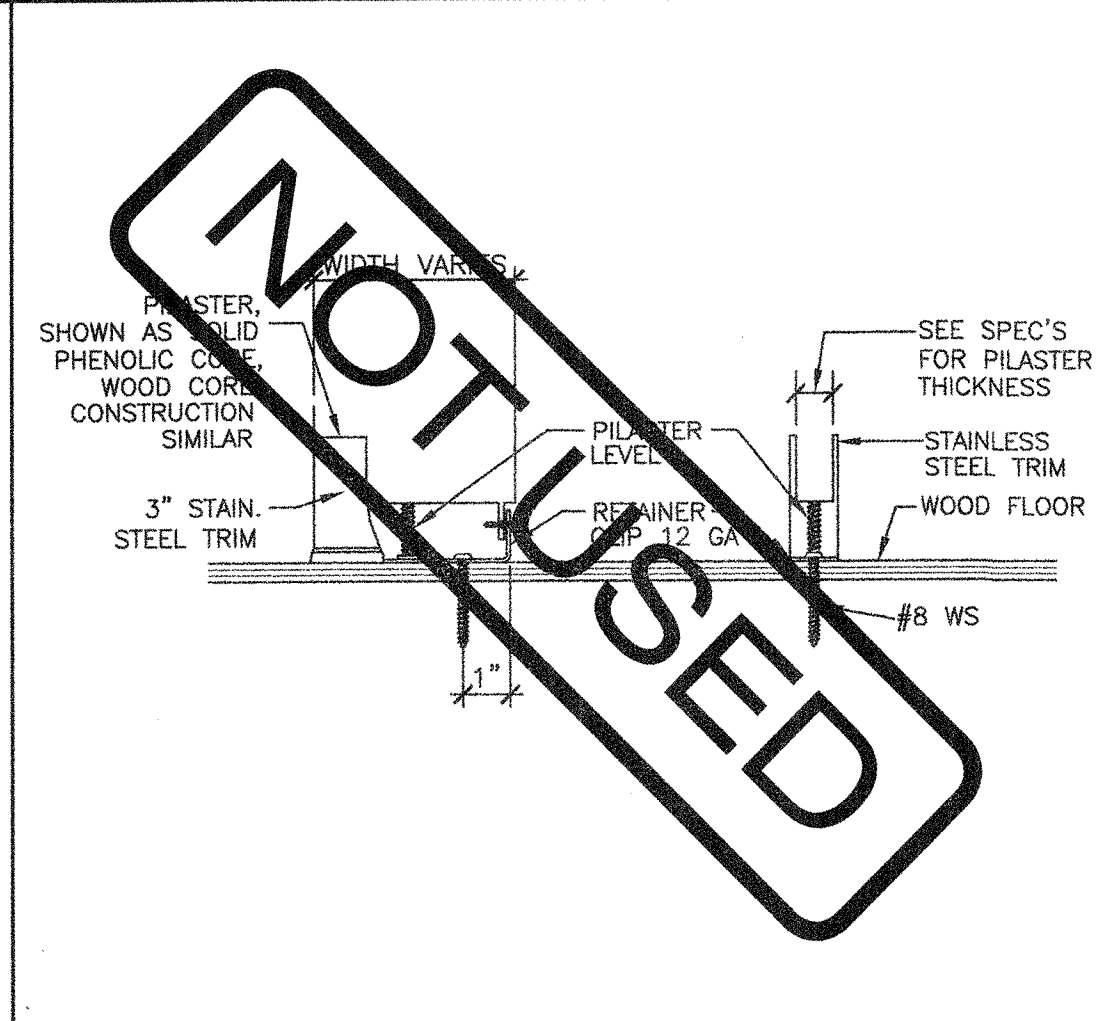
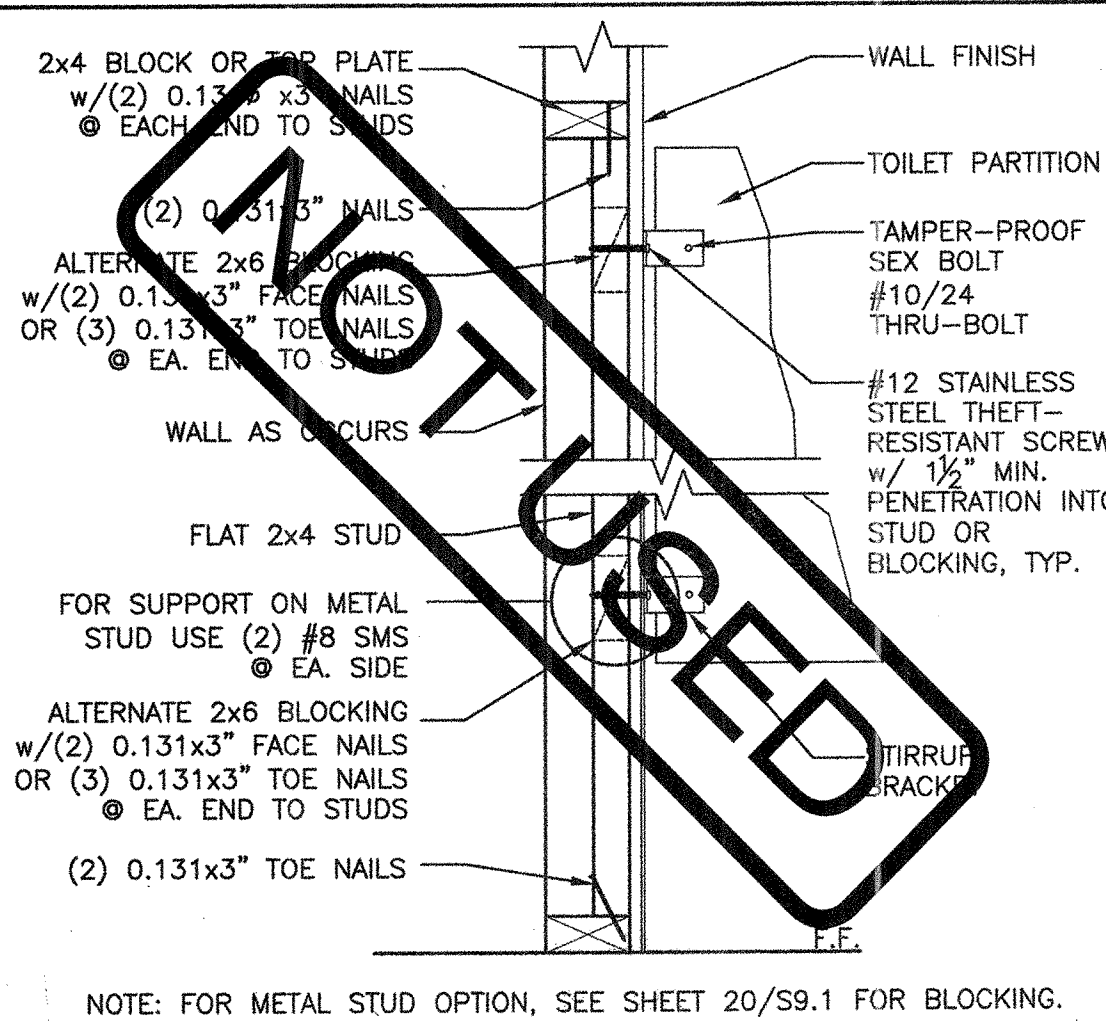
INTERIOR WALL  
NOTCHING



INTERIOR WALL  
BORING

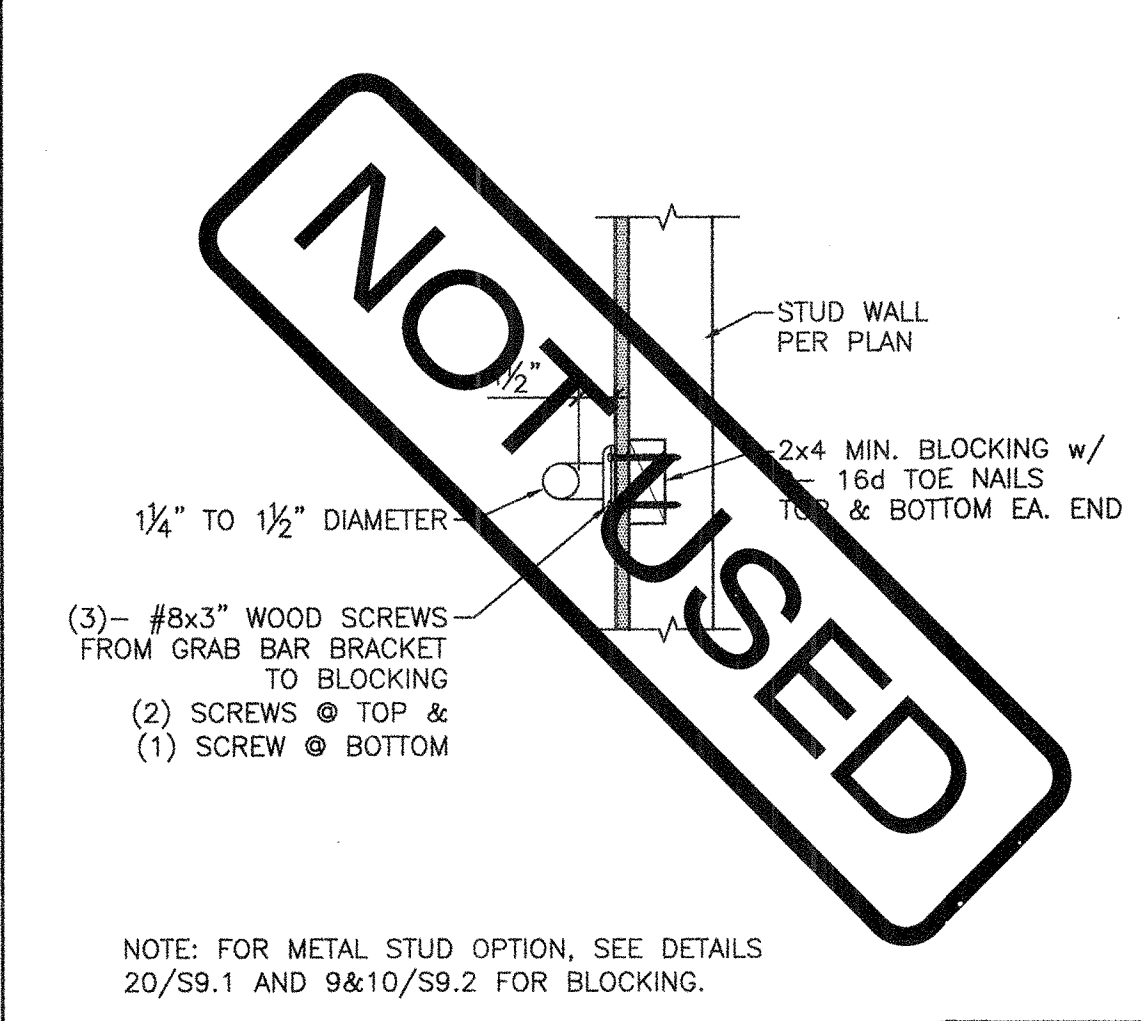
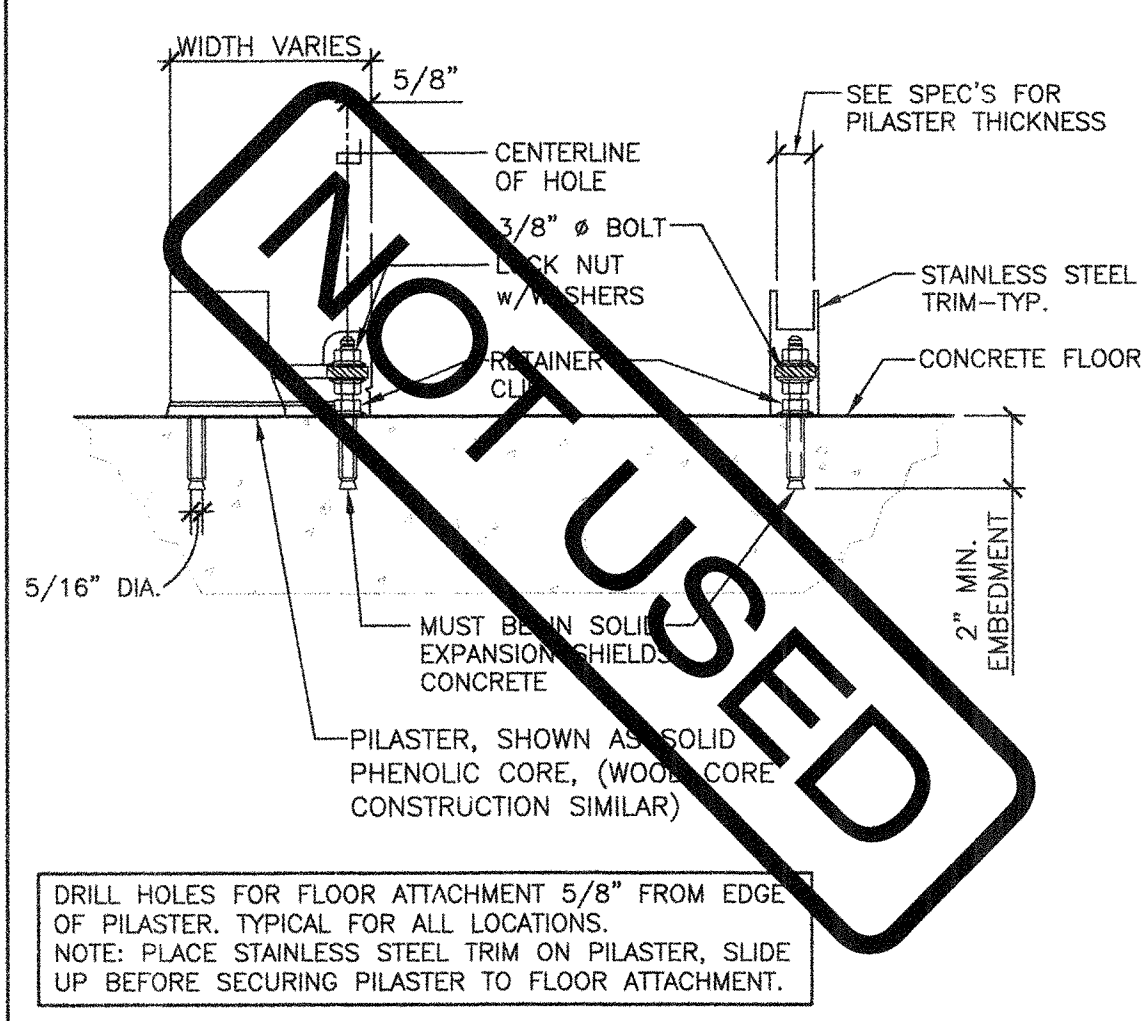
TOILET PARTITION ANCHORAGE BLOCKING DETAILS @ WALL

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



STUD NOTCHING AND BORING DETAILS

NOT TO SCALE



TOILET PARTITION WALL BLOCKING

NOT TO SCALE

PARTITION TO WOOD FLOOR

NOT TO SCALE

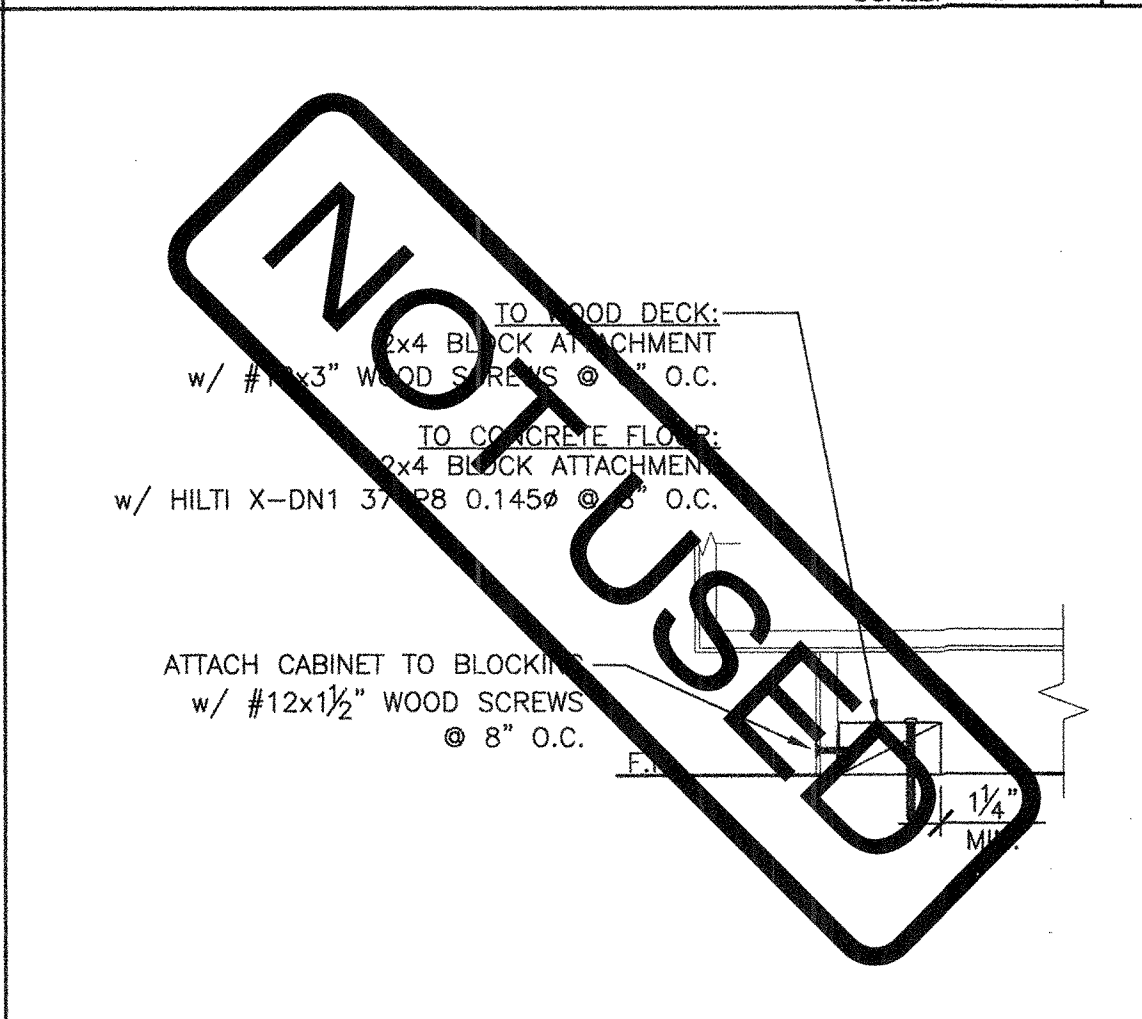
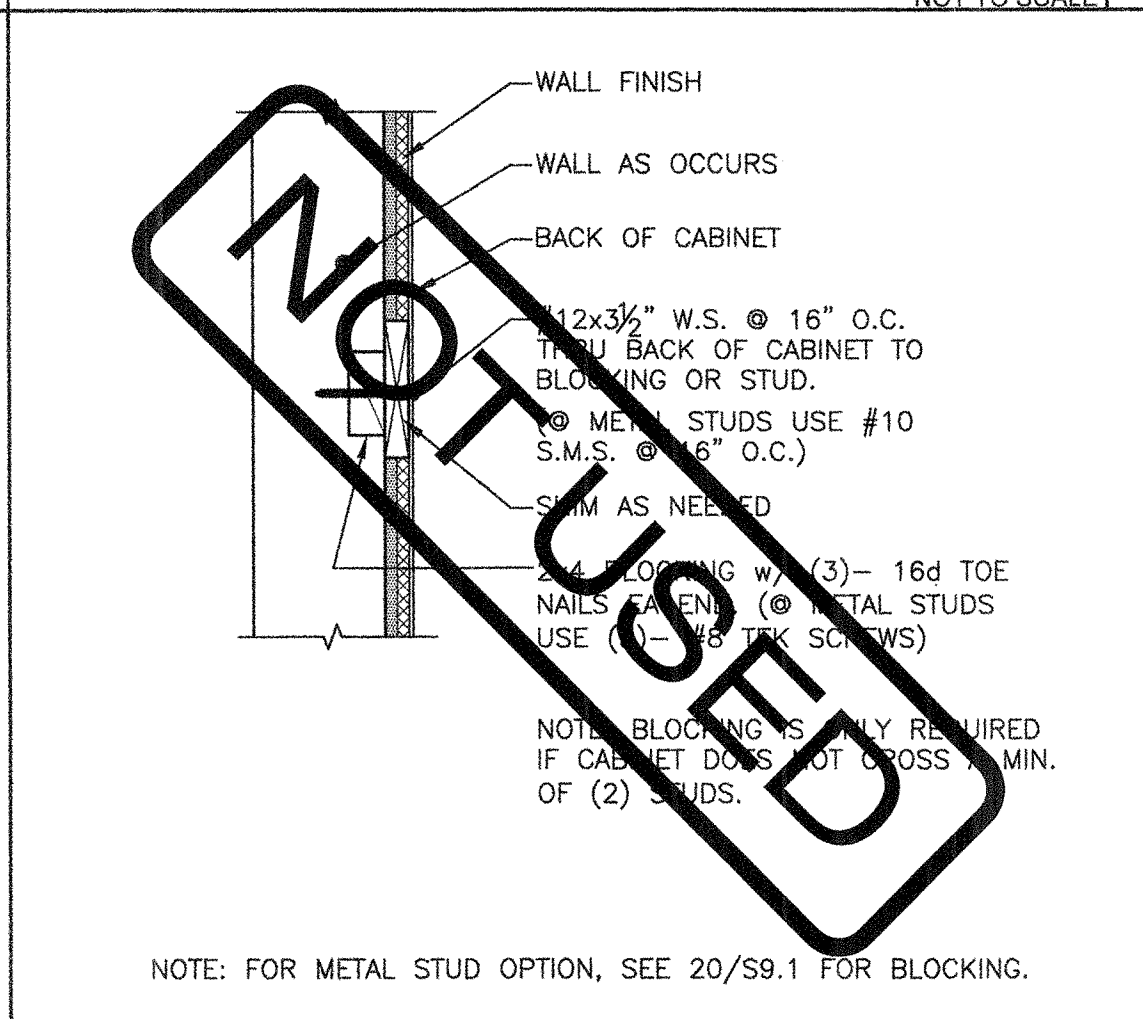
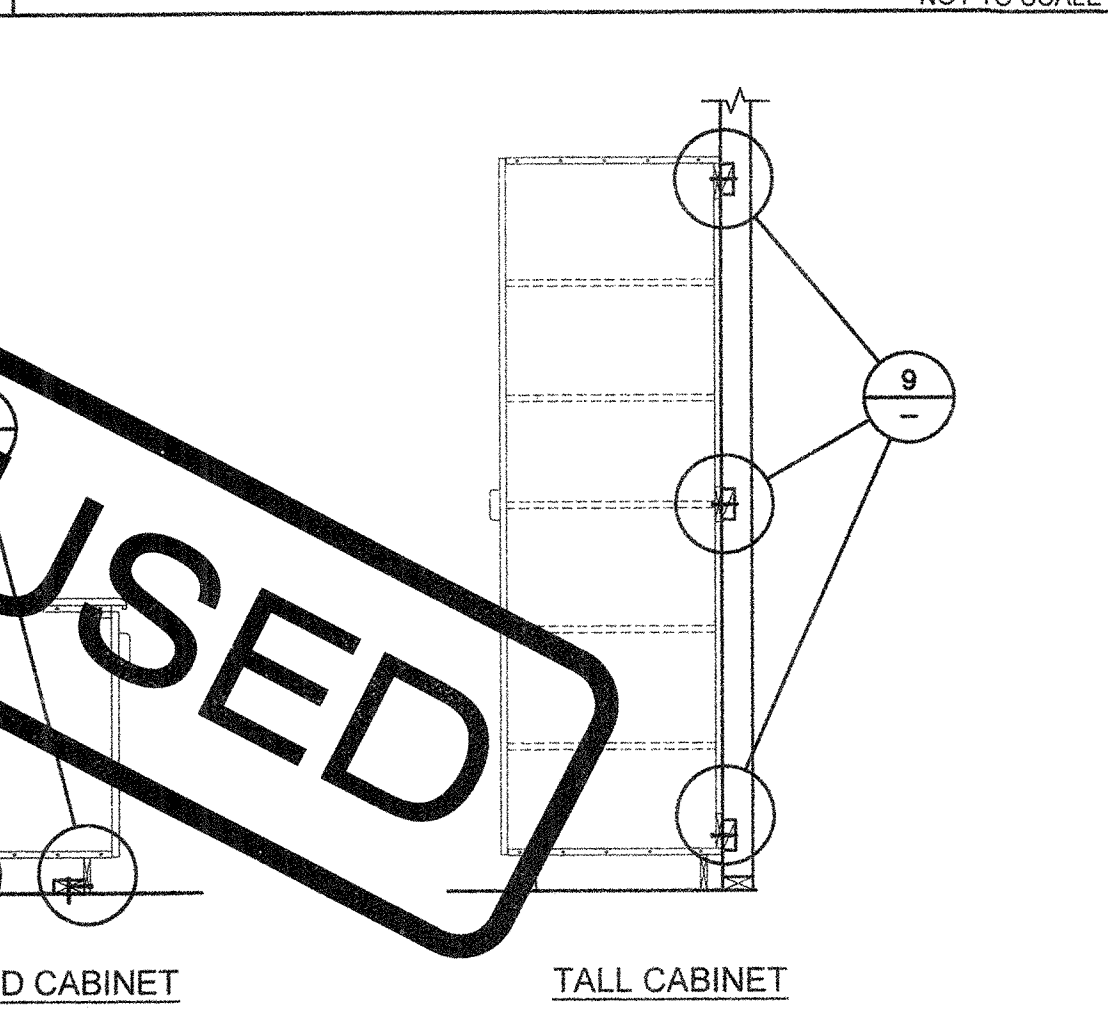
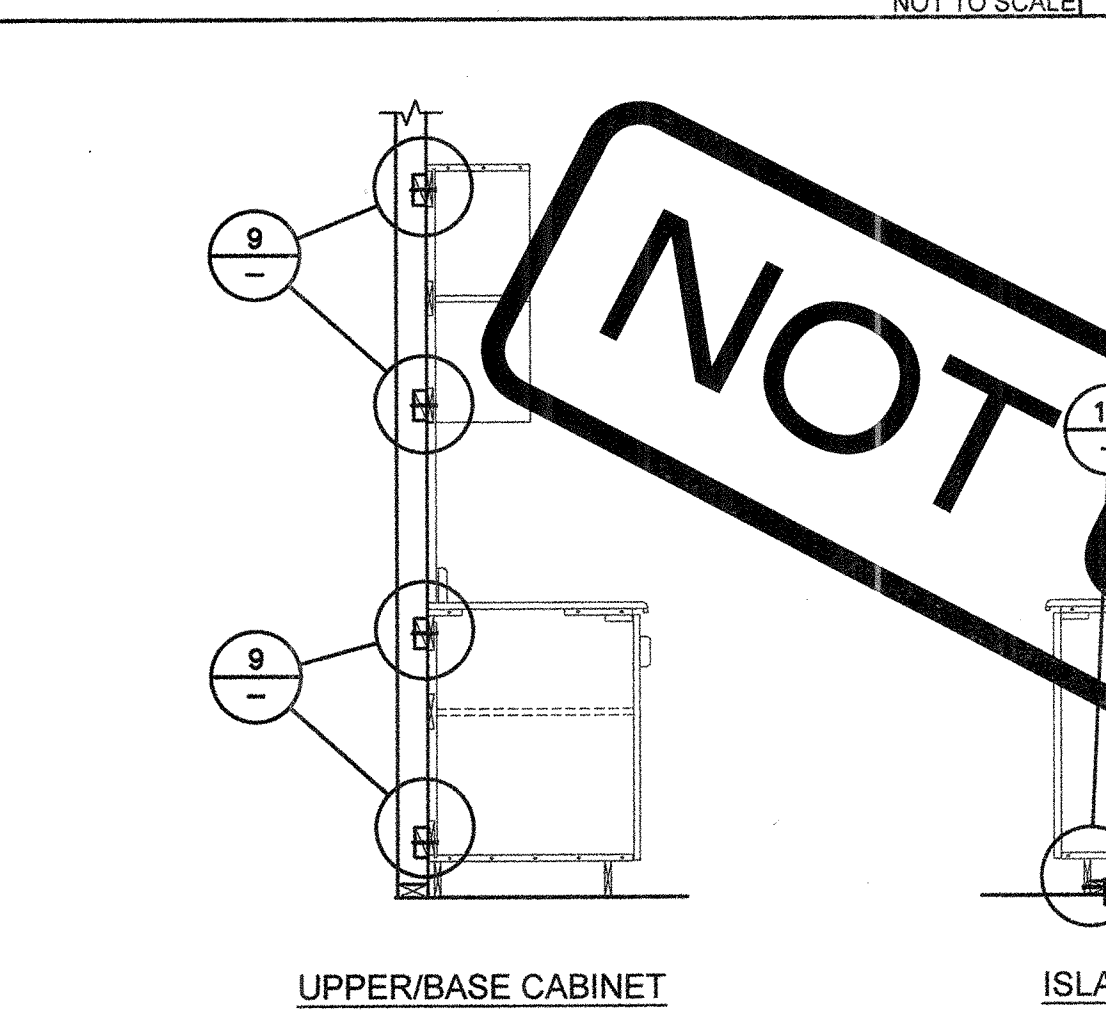
PARTITION TO CONCRETE FLOOR

NOT TO SCALE

GRAB BAR BLOCKING DETAIL

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

NOT USED



TYP. CABINET BLOCKING

NOT TO SCALE

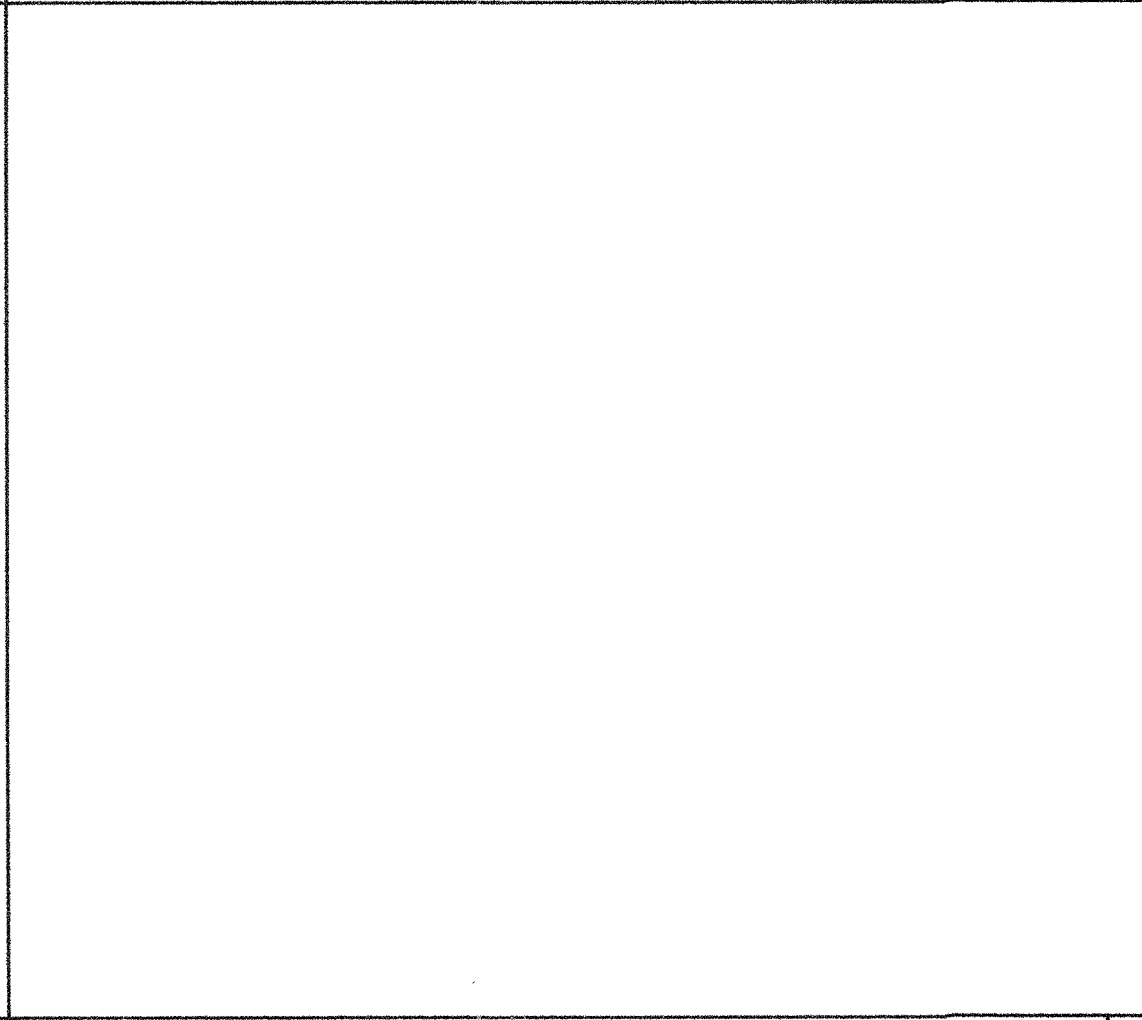
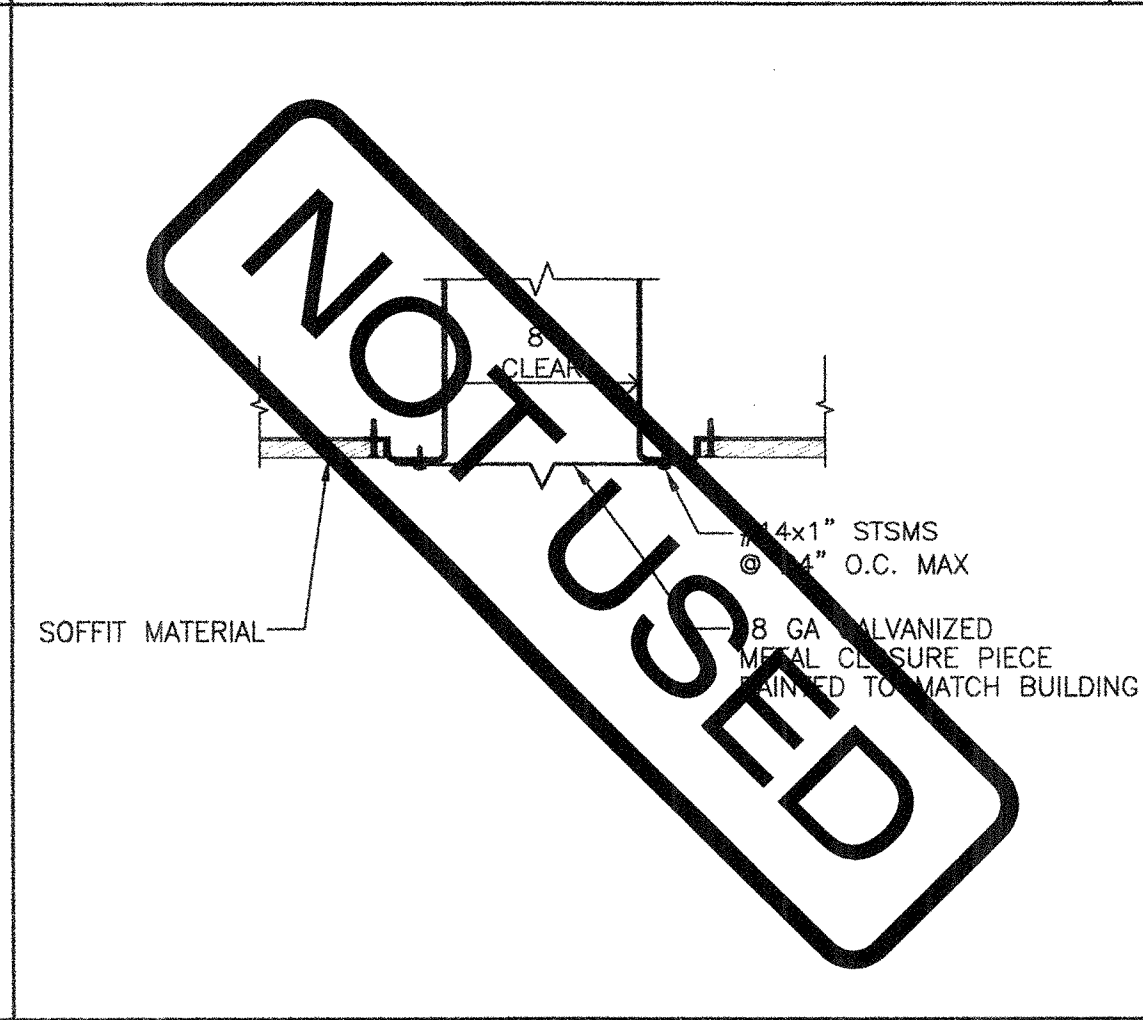
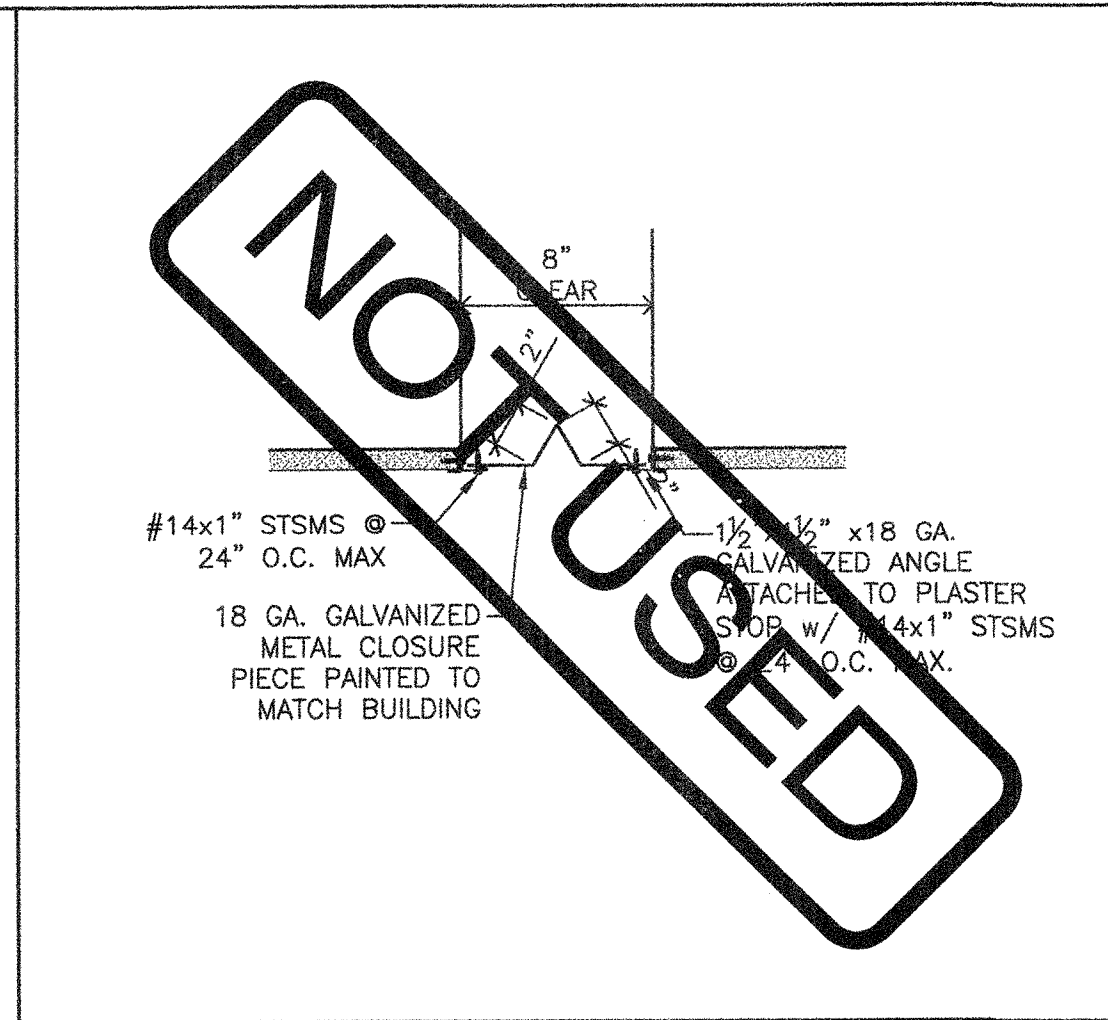
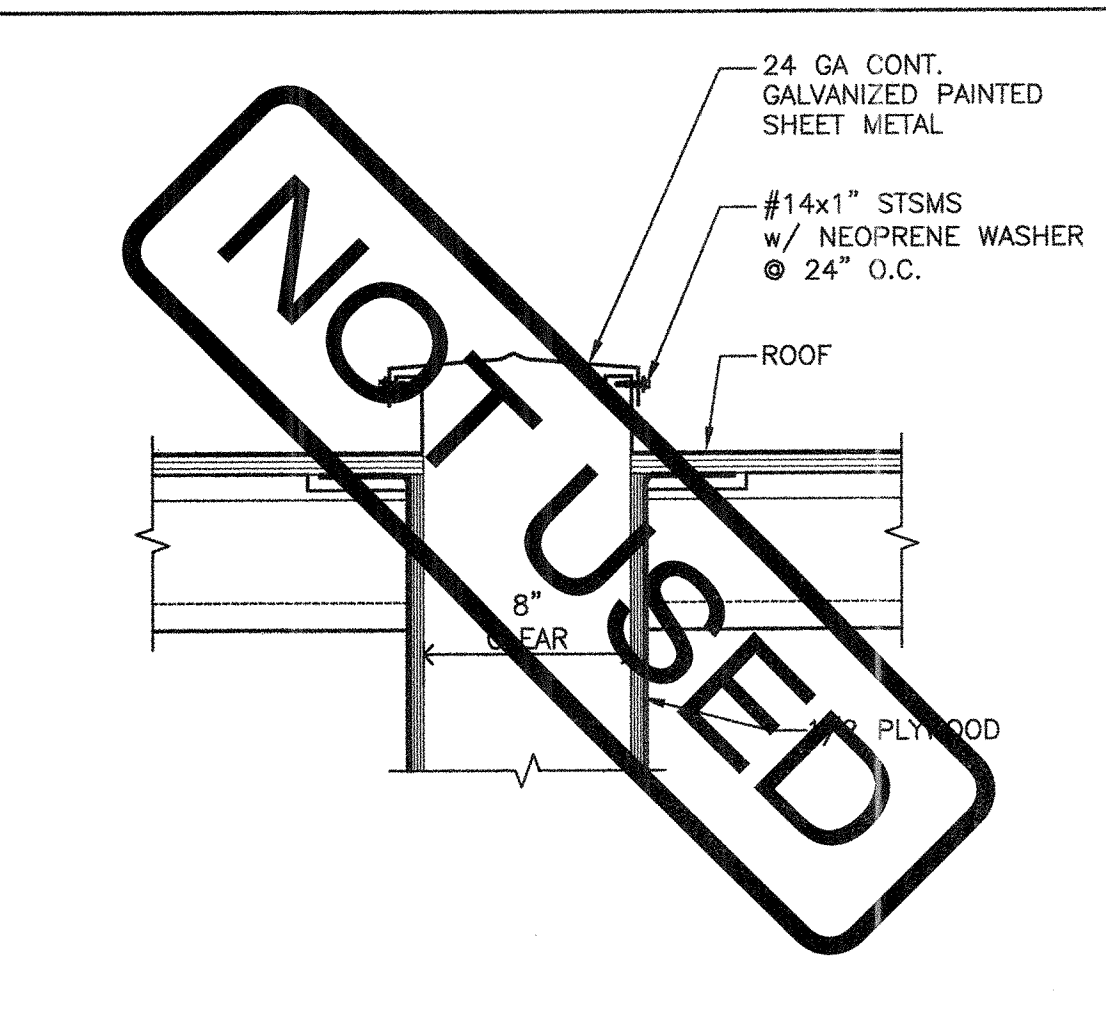
CABINET BLOCKING IN WALL

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

CABINET BLOCKING @ FLOOR

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

NOT USED



SEISMIC CLOSURE @ ROOF

SEISMIC CLOSURE @ WALL

SEISMIC CLOSURE @ SOFFIT

NOT USED

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PRE-CHECKED SET NAME  
24'x40' THRU 120'x40'  
STANDARD MODULAR  
BUILDINGS

SITE SPECIFIC PROJECT NAME

SHEET TITLE  
MISCELLANEOUS  
ARCHITECTURAL DETAILS

MANUFACTURER PROFESSIONAL OF RECORD ON PC  
No. C12631  
Ren. 3-31-19

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PROJECT SPECIFIC STATE AGENCY APPROVAL  
IDENTIFICATION STAMP  
DATE: 8-31-2018

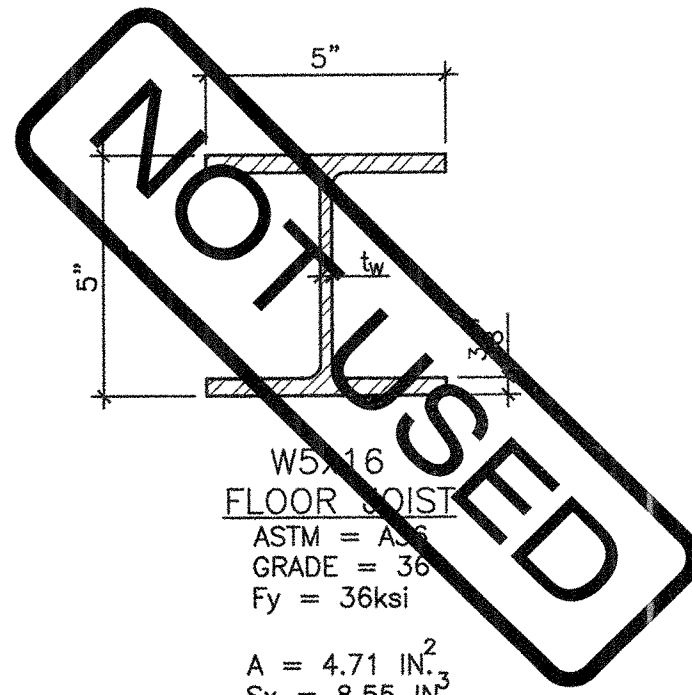
ORIGINAL PC STATE AGENCY APPROVAL  
IDENTIFICATION STAMP  
DATE: 8-31-2018

PRE-CHECK (PC) DOCUMENT  
CODE: 2016 CBC  
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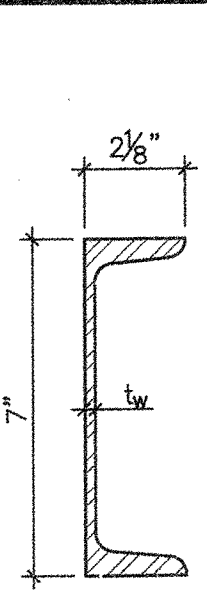
REVISIONS  
DRAWN BY:  
SCALE: AS NOTED  
DATE:

SHEET NUMBER  
A7.1

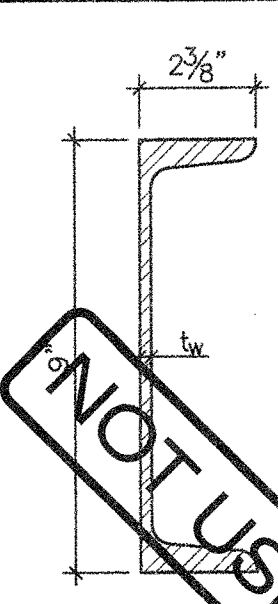




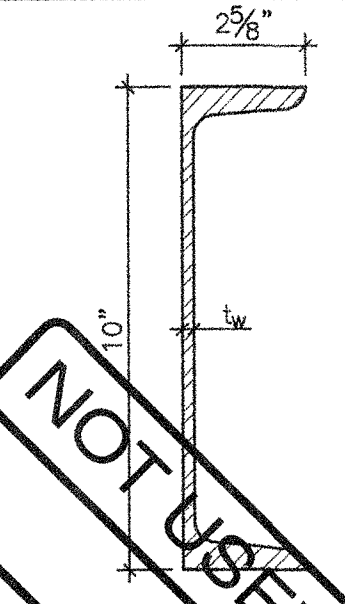
W5x16  
FLOOR JOIST  
ASTM = A36  
GRADE = 36  
FY = 36ksi  
  
A = 4.71 IN<sup>2</sup>  
S<sub>x</sub> = 8.55 IN<sup>3</sup>  
Z<sub>x</sub> = 9.63 IN<sup>3</sup>  
I<sub>x</sub> = 21.4 IN<sup>4</sup>  
t<sub>w</sub> = .25 IN.



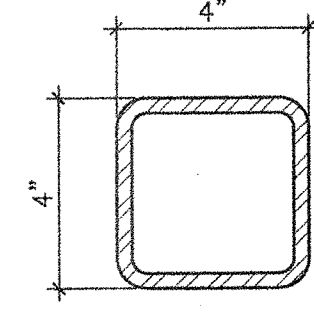
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FY = 36 ksi  
  
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S<sub>x</sub> = 6.07 IN<sup>3</sup>  
Z<sub>x</sub> = 7.19 IN<sup>3</sup>  
I<sub>x</sub> = 21.20 IN<sup>4</sup>  
t<sub>w</sub> = .21 IN.



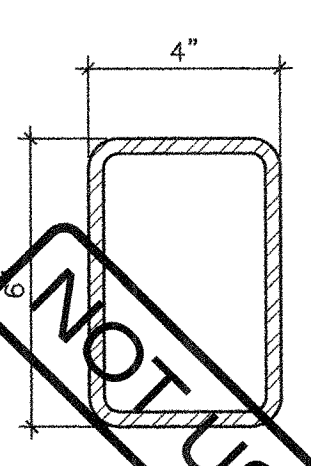
C9x13.4  
FLOOR BEAM  
ASTM = A36 GRADE 36  
OR  
ASTM = A572 GRADE 50  
  
A = 3.94 IN<sup>2</sup>  
S<sub>x</sub> = 10.60 IN<sup>3</sup>  
Z<sub>x</sub> = 12.60 IN<sup>3</sup>  
I<sub>x</sub> = 47.80 IN<sup>4</sup>  
t<sub>w</sub> = .22 IN.



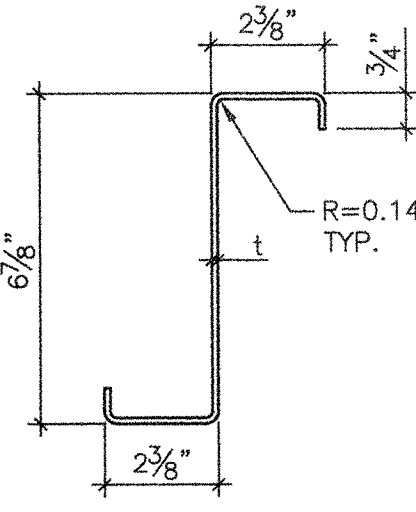
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FY = 36 ksi  
  
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S<sub>x</sub> = 13.50 IN<sup>3</sup>  
Z<sub>x</sub> = 15.90 IN<sup>3</sup>  
I<sub>x</sub> = 67.30 IN<sup>4</sup>  
t<sub>w</sub> = .24 IN.



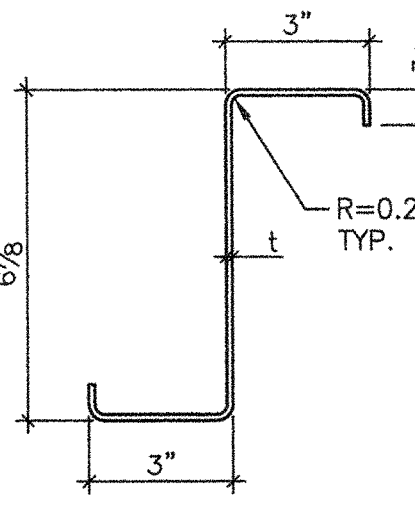
HSS 4x4x5/16  
COLUMN  
ASTM = A500  
GRADE = B  
FY = 46ksi  
  
A = 4.10 IN<sup>2</sup>  
S<sub>x</sub> = 4.57 IN<sup>3</sup>  
Z<sub>x</sub> = 5.59 IN<sup>3</sup>  
I<sub>x</sub> = 9.14 IN<sup>4</sup>  
t<sub>w</sub> = .3125 IN.



HSS 6x4x5/16  
COLUMN  
ASTM = A500  
GRADE = B  
FY = 46ksi  
  
A = 5.26 IN<sup>2</sup>  
S<sub>x</sub> = 8.27 IN<sup>3</sup>  
Z<sub>x</sub> = 10.30 IN<sup>3</sup>  
I<sub>x</sub> = 24.80 IN<sup>4</sup>  
t<sub>w</sub> = .3125 IN.  
  
S<sub>y</sub> = 6.58 IN<sup>3</sup>  
Z<sub>y</sub> = 7.75 IN<sup>3</sup>  
I<sub>y</sub> = 13.2 IN<sup>4</sup>



6-7/8" x2-3/8" x14 GA.  
FLOOR JOIST (1)  
ASTM A1011 GRADE 45  
FY = 45KSI  
  
A = 0.89 IN<sup>2</sup>  
S<sub>x</sub> = 1.85 IN<sup>3</sup>  
I<sub>x</sub> = 6.37 IN<sup>4</sup>  
t = 0.068 IN. MIN.



6-7/8" x3" x12 GA.  
FLOOR JOIST (1)  
ASTM A1011 GRADE 45  
FY = 45KSI  
  
A = 1.38 IN<sup>2</sup>  
S<sub>x</sub> = 2.97 IN<sup>3</sup>  
I<sub>x</sub> = 10.20 IN<sup>4</sup>  
t = 0.097 IN. MIN.

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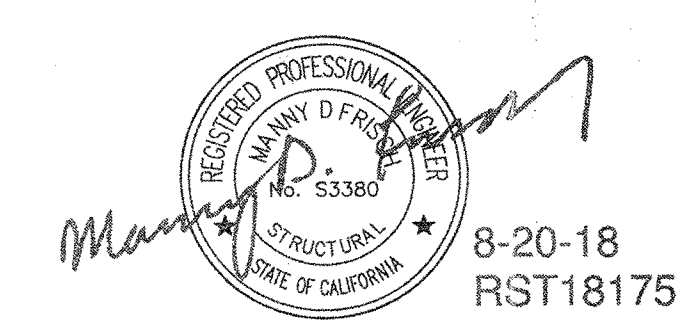
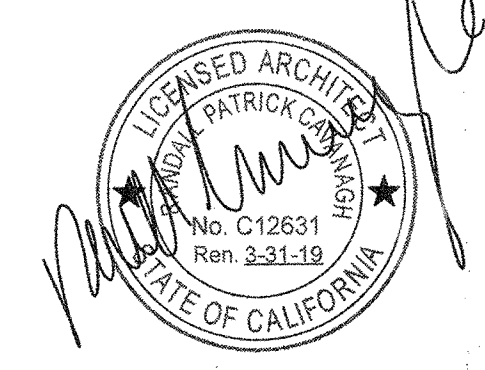
PRE-CHECKED SET NAME

24'x40' THRU 120'x40'  
STANDARD MODULAR  
BUILDINGS

SITE SPECIFIC PROJECT NAME

SHEET TITLE  
  
STEEL  
MEMBER  
PROPERTIES

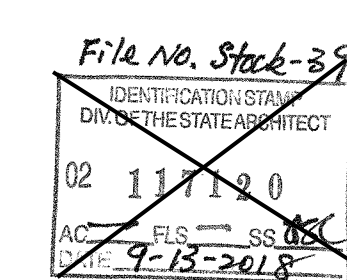
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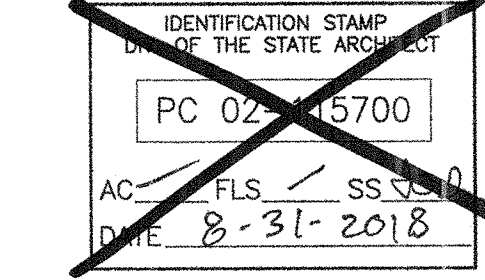
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PROJECT SPECIFIC STATE AGENCY APPROVAL



ORIGINAL PC STATE AGENCY APPROVAL



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

REVISIONS

1	
2	
3	
4	

DRAWN BY:  
SCALE: AS NOTED  
DATE:

SHEET NUMBER

S0.0

HOT ROLLED FLOOR JOIST PROPERTIES

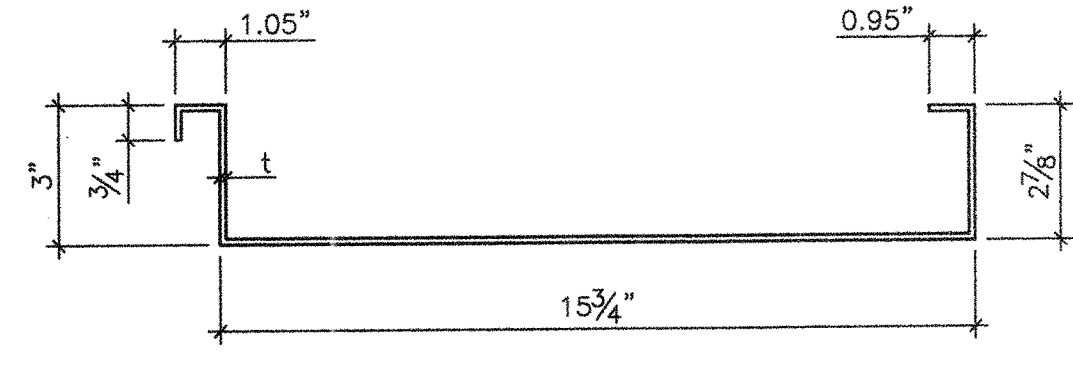
HOT ROLLED FLOOR BEAM PROPERTIES

HSS COLUMN PROPERTIES

LIGHT GAUGE FLOOR JOIST PROPERTIES

5

(26 GA. MAY BE USED W/ PLYWOOD SHEATHING)



ASTM = A101  
GRADE = 36  
FY = 36ksi

W/ GALVANIZATION  
t=0.0356 IN. MIN.

S<sub>x</sub>(t) = 0.364 IN<sup>3</sup>  
S<sub>x</sub>(b) = 1.372 IN<sup>3</sup>  
I<sub>x</sub> = 0.863 IN<sup>4</sup>

S<sub>x</sub>(t) = 0.330 IN<sup>3</sup>  
S<sub>x</sub>(b) = 0.305 IN<sup>3</sup>  
I<sub>x</sub> = 0.476 IN<sup>4</sup>  
A = 0.84 IN<sup>2</sup>

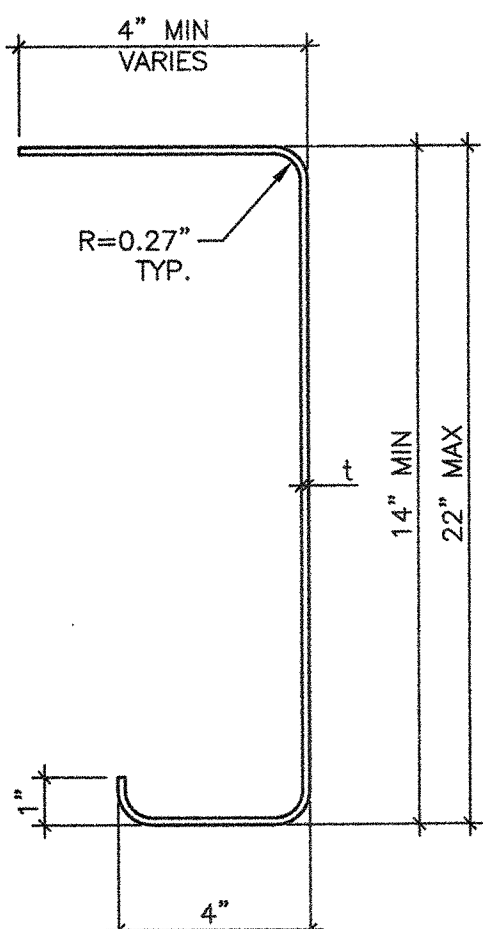
W/O GALVANIZATION  
t=0.0329 IN. MIN.

20 GALVANIZED ROOF PAN PROPERTIES

14GA FORMED SOFFIT CEE PROPERTIES

LIGHT GAUGE ROOF PURLIN PROPERTIES

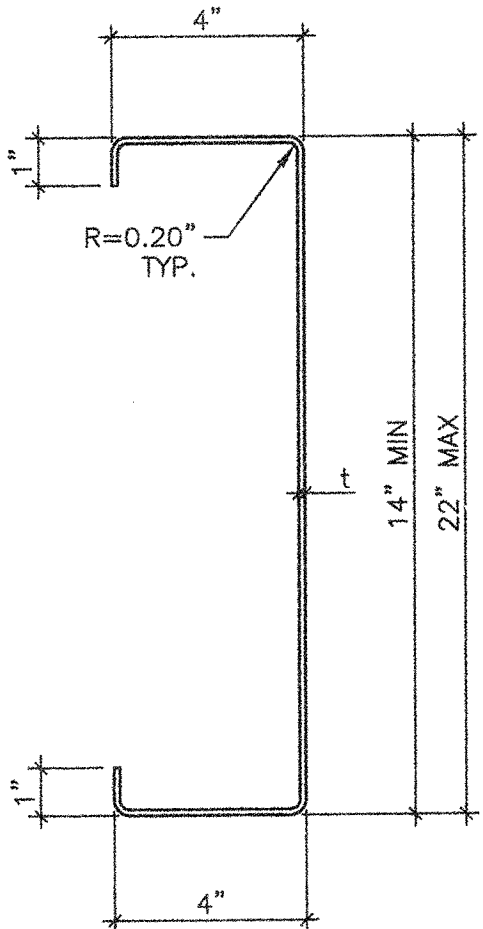
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10 GA. LONGITUDINAL BEAM

ASTM = A1011  
GRADE = 50  
FY = 50ksi  
t = 0.129 IN. MIN.

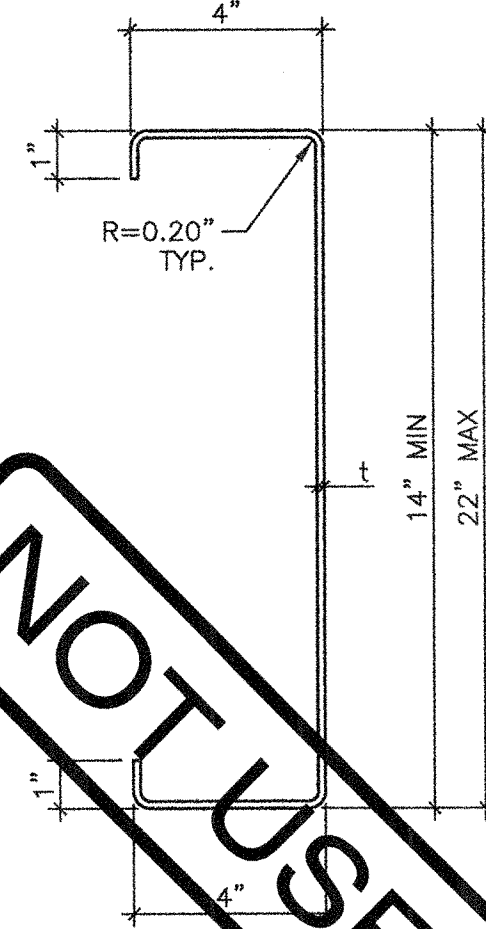
BEAM DEPTH	14"	18"	22"
A (IN <sup>2</sup> )	2.99	3.53	4.07
S <sub>x</sub> MIN. (IN <sup>3</sup> )	11.5	16.50	22.22
I <sub>x</sub> MIN. (IN <sup>4</sup> )	82.87	152.26	249.90



12 GA. TRANSVERSE BEAM/HEADER

ASTM = A1011  
GRADE = 36  
FY = 36ksi  
t = 0.097 IN. MIN.

BEAM DEPTH	14"	22"
A (IN <sup>2</sup> )	2.36	3.17
S <sub>x</sub> MIN. (IN <sup>3</sup> )	9.57	18.18
I <sub>x</sub> MIN. (IN <sup>4</sup> )	97.02	199.97



10 GA. TRANSVERSE BEAM/HEADER

ASTM = A1011  
GRADE = 50  
FY = 50ksi  
t = 0.129 IN. MIN.

BEAM DEPTH	14"	22"
A (IN <sup>2</sup> )	3.09	4.17
S <sub>x</sub> MIN. (IN <sup>3</sup> )	12.41	23.68
I <sub>x</sub> MIN. (IN <sup>4</sup> )	86.88	260.50

NOT USED

14 NOT USED

15

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

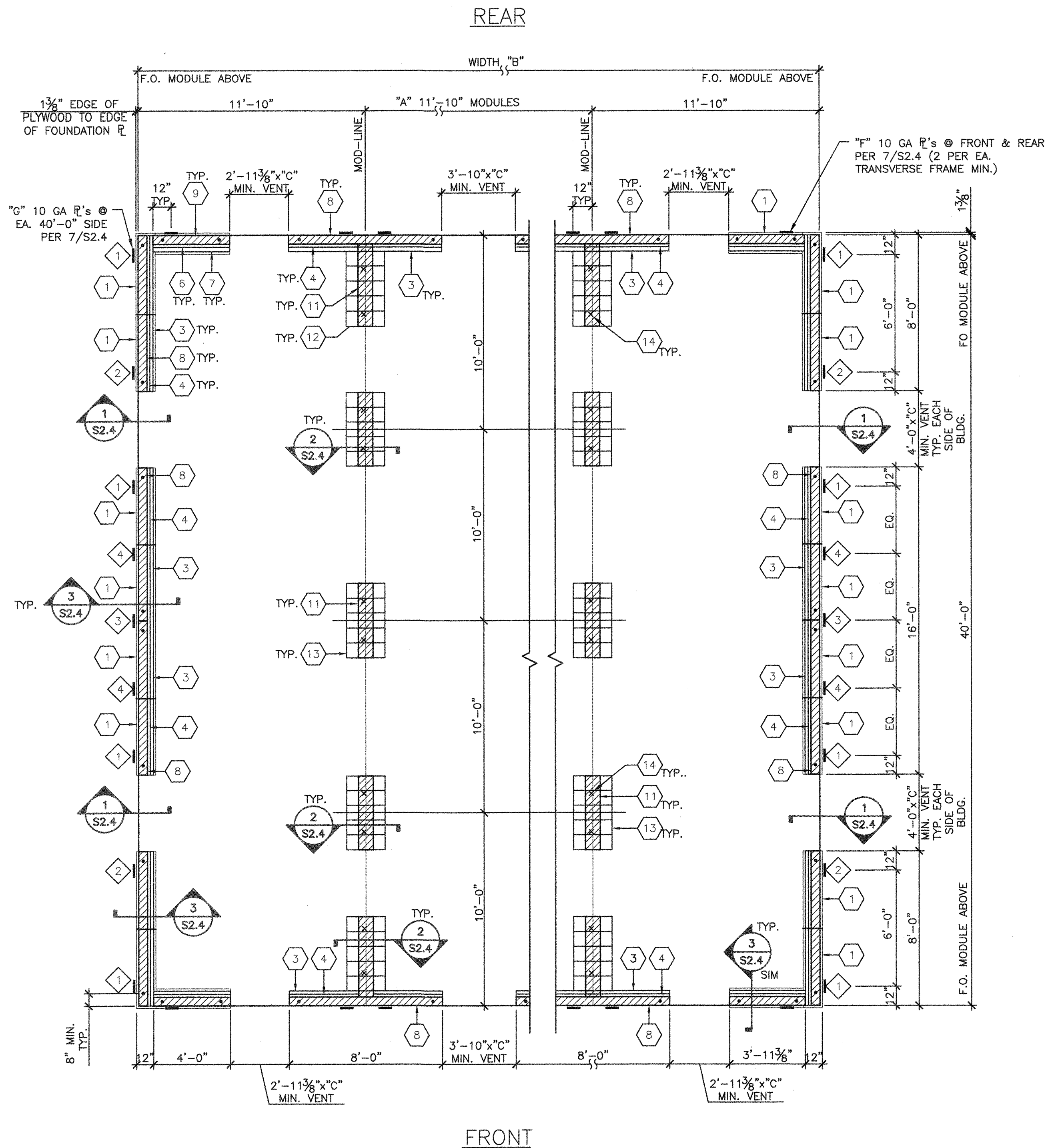
18 NOT USED

19

SHEET NOTES

LIGHT GAUGE ROOF BEAM PROPERTIES





- 1 1/2"x12" WIDEX48" LONG PT STRUCTURAL PLYWOOD WITH FACE GRAIN IN SHORT DIRECTION (CDX PLYWOOD)
- 2 NOT USED
- 3 SINGLE 2x10x8'-0" LONG R (PT R WHERE PLYWOOD DOESN'T OCCUR)
- 4 SINGLE 2x8x8'-0" LONG
- 5 NOT USED
- 6 SINGLE 2x8x4'-0" LONG R
- 7 SINGLE 2x10x4'-0" LONG R
- 8 MULTIPLE 2x6x8'-0" LONG NAILER AS REQ'D FOR HEIGHT
- 9 MULTIPLE 2x6x4'-0" LONG NAILER AS REQ'D FOR HEIGHT
- 10 NOT USED
- 11 2x10 BLKG, SEE 2/S2.4
- 12 4 2x12x3'-0" PT R OR 2x10x3'-0" PT R OR 2x8x3'-0" PT R, SEE 2/S2.4
- 13 5 2x12x3'-0" PT R OR 2x10x3'-0" PT R OR 2x8x3'-0" PT R, SEE 2/S2.4
- 14 X LOCATION OF FLOOR BEAM ATTACHMENT TO ISOLATED PAD. REFER TO DETAIL 2/S2.4
- 1" GALVANIZED PIPE LOCATIONS - TYPICAL.

### KEY NOTES

ON SOIL:  
1" STANDARD WEIGHT (1.315 ACTUAL O.D.) HOT DIPPED GALV. PIPE w/ 12" MIN. PENETRATION MEASURED VERTICALLY BELOW SOIL SURFACE @ 10'-0" O.C., MIN. 2 EA. 2x R. DRILL SILL 1 1/2" MAX. PIPE MAY BE DRIVEN MAX 45° ANGLE TO VERTICAL.

ON A/C PAVING:  
1" STANDARD WEIGHT (1.315 ACTUAL O.C.) HOT DIPPED GALV. PIPE w/ 12" MIN. PENETRATION MEASURED VERTICALLY BELOW PAVING SURFACE @ 10'-0" O.C., MIN. 2 EA. 2x R. DRILL SILL 1 1/2" MAX.

ON CONC PAVING:  
1" STANDARD WEIGHT (1.315 ACTUAL O.D.) HOT DIPPED GALV. PIPE w/ 12" MIN. PENETRATION MEASURED VERTICALLY BELOW PAVING SURFACE @ 10'-0" O.C., MIN. 2 EA. 2x R. DRILL SILL 1 1/2" MAX. ALT: SIMPSON STRONG-BOLT 2'S THRU SILL R w/ 3/8" MIN. CONC. EMBEDMENT PER SCHEDULE BELOW (PROVIDE A MINIMUM OF 2 BOLTS AT 2x PLATE LESS THAN 5'-0" AND 4 BOLTS AT 2x PLATE LARGER THAN 5'-0")

HILTI KB-TZ OR SIMPSON STRONG-BOLT 2 SPACING SCHEDULE		
BUILDING SIZE	LONGITUDINAL SPACING	TRANSVERSE SPACING
24'x40'	62" O.C.	34" O.C.
36'x40'	44" O.C.	36" O.C.
48'x40'	34" O.C.	36" O.C.

HILTI KB-TZ OR SIMPSON STRONG-BOLT 2 SPACING SCHEDULE		
BUILDING SIZE	LONGITUDINAL SPACING	TRANSVERSE SPACING
24'x40'	46" O.C.	26" O.C.
36'x40'	33" O.C.	27" O.C.
48'x40'	20" O.C.	27" O.C.

ANCHOR TYPE		SIMPSON STRONG-BOLT 2 ICC ESR-3037
ANCHOR SIZE (IN.)	1/2"	
MIN. EMBED (IN.)	4 1/8"	
INSTALLATION TORQUE (FT-LB)	60	

1. TORQUE TEST PER CBC 1910A.5 TORQUE TEST - MANUFACTURER'S RECOMMENDED INSTALLATION TORQUE AS APPROVED IN AN ICC-ESR PER C.B.C. 1910A.5

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PRE-CHECKED SET NAME

24'x40' THRU 120'x40'  
STANDARD MODULAR  
BUILDINGS

SITE SPECIFIC PROJECT NAME

WOOD FOUNDATION PLAN  
50 PSF LIVE LOAD + 15 PSF  
PARTITION LOAD  
PLYWOOD FLOOR

MANUFACTURER PROFESSIONAL OF RECORD ON PC

LOANED ARCHITECT  
PATRICK CHEN  
No. C12631  
Ren. 3-31-18  
STATE OF CALIFORNIA

REGISTERED PROFESSIONAL ENGINEER  
No. S3380  
STRUCTURAL  
STATE OF CALIFORNIA  
8-20-18  
RST18175

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DIV. OF THE STATE ARCHITECT  
02 11 20  
AC FLS ACS  
DATE: 9-13-2021

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PC 02-115700  
AC FLS ACS  
DATE: 8-31-2018

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CODE: 2016 CBC  
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REVISIONS

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## WOOD FOUNDATION PLAN (PLYWOOD FLOOR) 50 P.S.F LIVE LOAD + 15 PSF PARTITION LOAD

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

A

## SILL RESTRAINT

SEISMIC	BUILDING SIZE (FT)	TOTAL # OF 12" WIDE MODULES	"A" TOTAL # OF CENTER MODULES	"B" TOTAL FOUNDATION WIDTH	TOTAL FLOOR AREA (FT²)	NET FREE VENT AREA REQ'D (FT²)	MINIMUM HT OF VENTS (IN)	NET FREE VENT AREA PROVIDED (FT²)	GALV. NAIL O.C. SPACING (IN) (40" WALLS) SEE 3/S2.4	GALV. NAIL O.C. SPACING (IN) ("B" WALLS) SEE 3/S2.4	# OF 10 GA SHEAR P'S @ FRONT & REAR SEE 3/2.4	# OF 10 GA SHEAR P'S @ SIDES (40" WALLS) SEE 3 & 7/S2.4	R LOCATIONS		EDGE NAIL (EN) SPACING (IN) (40" WALLS) SEE 3/S2.4	EDGE NAIL (EN) SPACING (IN) ("B" WALLS) SEE 3/S2.4	# OF ALT SHEAR P'S @ SIDES (40" WALLS) SEE 5/S2.4
													# OF R'S	# OF R'S			
LOW SEISMIC	24'x40'	2	0	23'-8"	960	6.4	3	6.9	14	8	4/SIDE	4/SIDE	1		6	4	4/SIDE
	36'x40'	3	1	35'-6"	1440	9.6	4.5	13.3	10	8	6/SIDE	5/SIDE	1	3	4	4	5/SIDE
	48'x40'	4	2	47'-4"	1920	12.8	4.5	16.2	8	8	8/SIDE	7/SIDE	1	2	3	4	7/SIDE
HIGH SEISMIC	24'x40'	2	0	23'-8"	960	6.4	3	6.9	10	6	5/SIDE	5/SIDE	1	3	4	3	6/SIDE
	36'x40'	3	1	35'-6"	1440	9.6	4.5	13.3	8	6	7/SIDE	7/SIDE	1	2	3	4	8/SIDE
	48'x40'	4	2	47'-4"	1920	12.8	4.5	16.2	6	6	9/SIDE	9/SIDE	1	2	3	4	10/SIDE

## MODULE SCHEDULE - 48' x 40' MAX

B

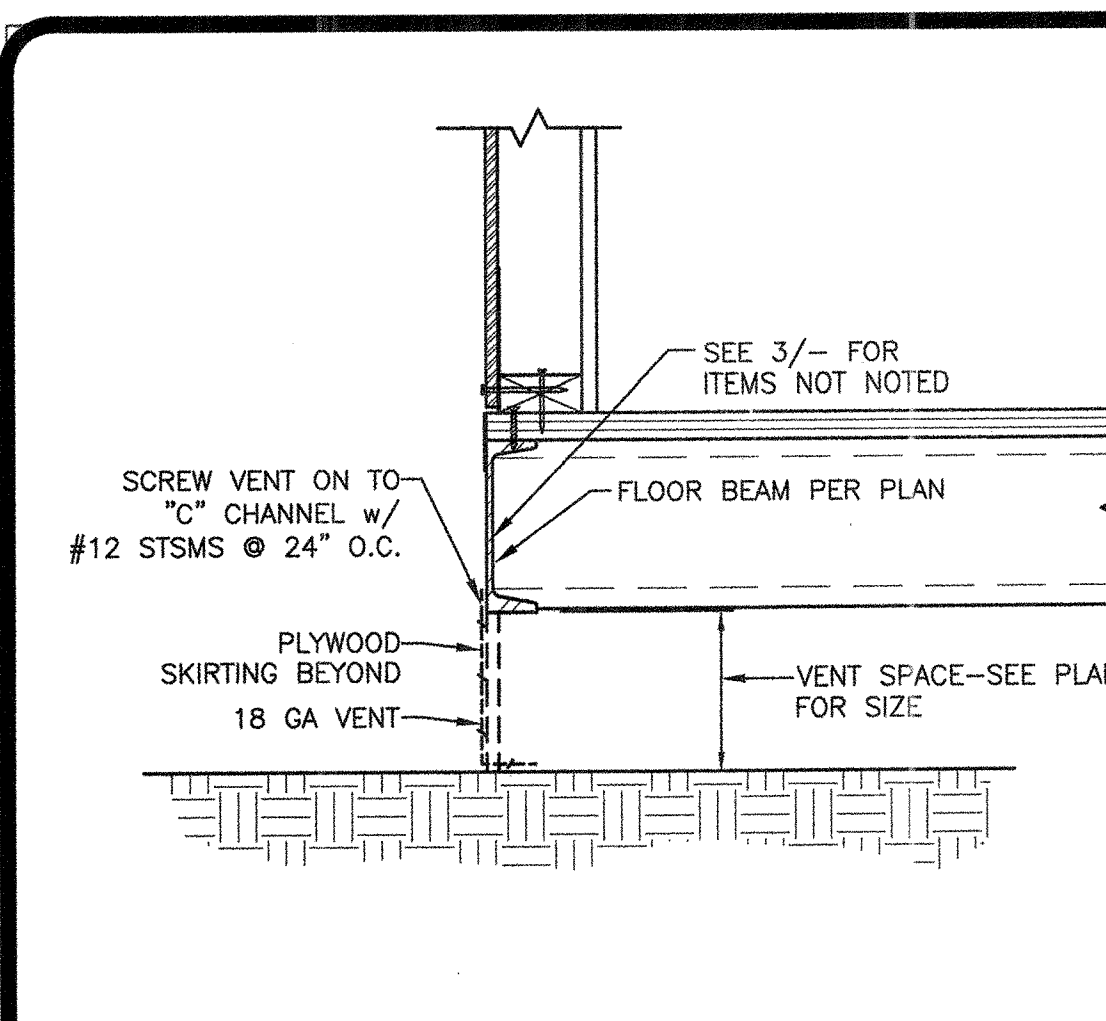
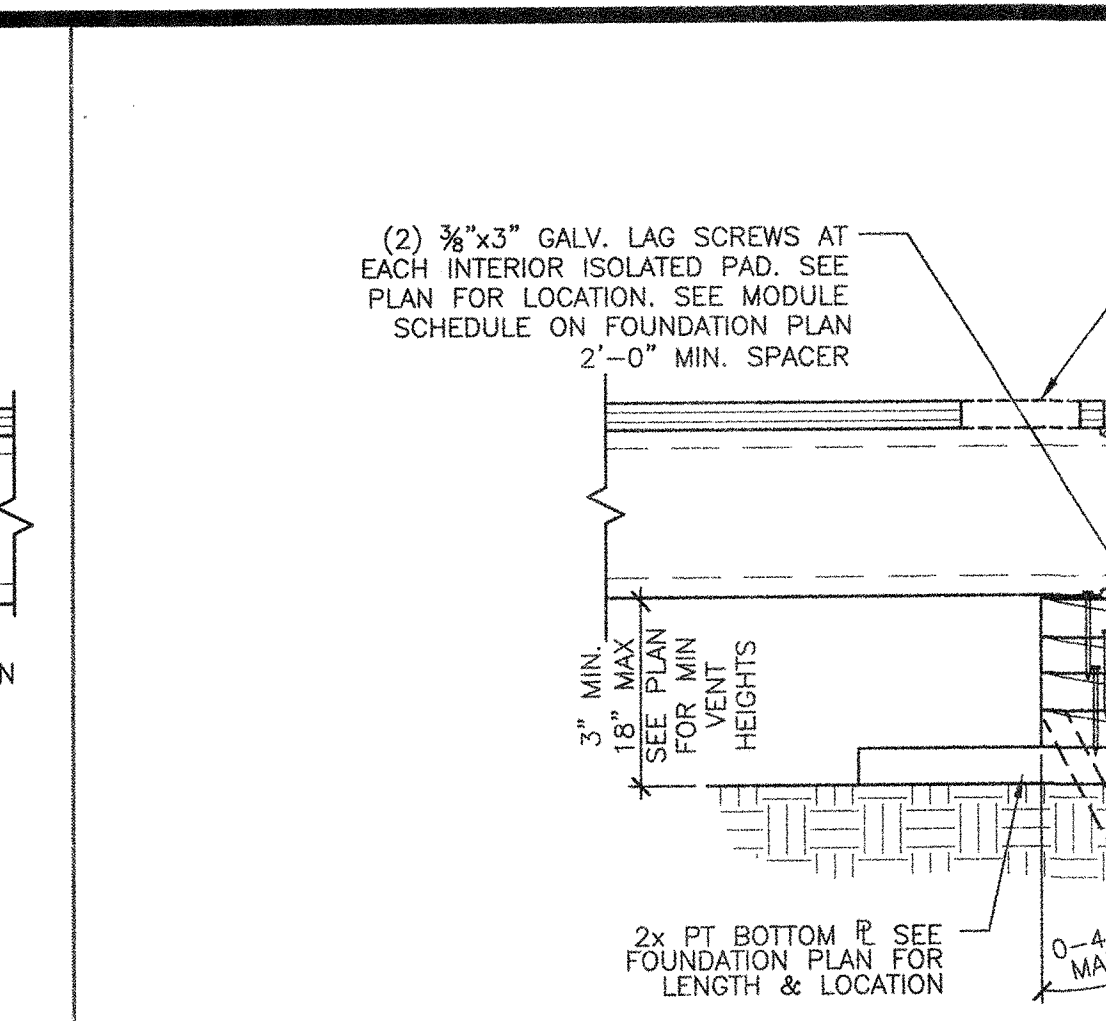
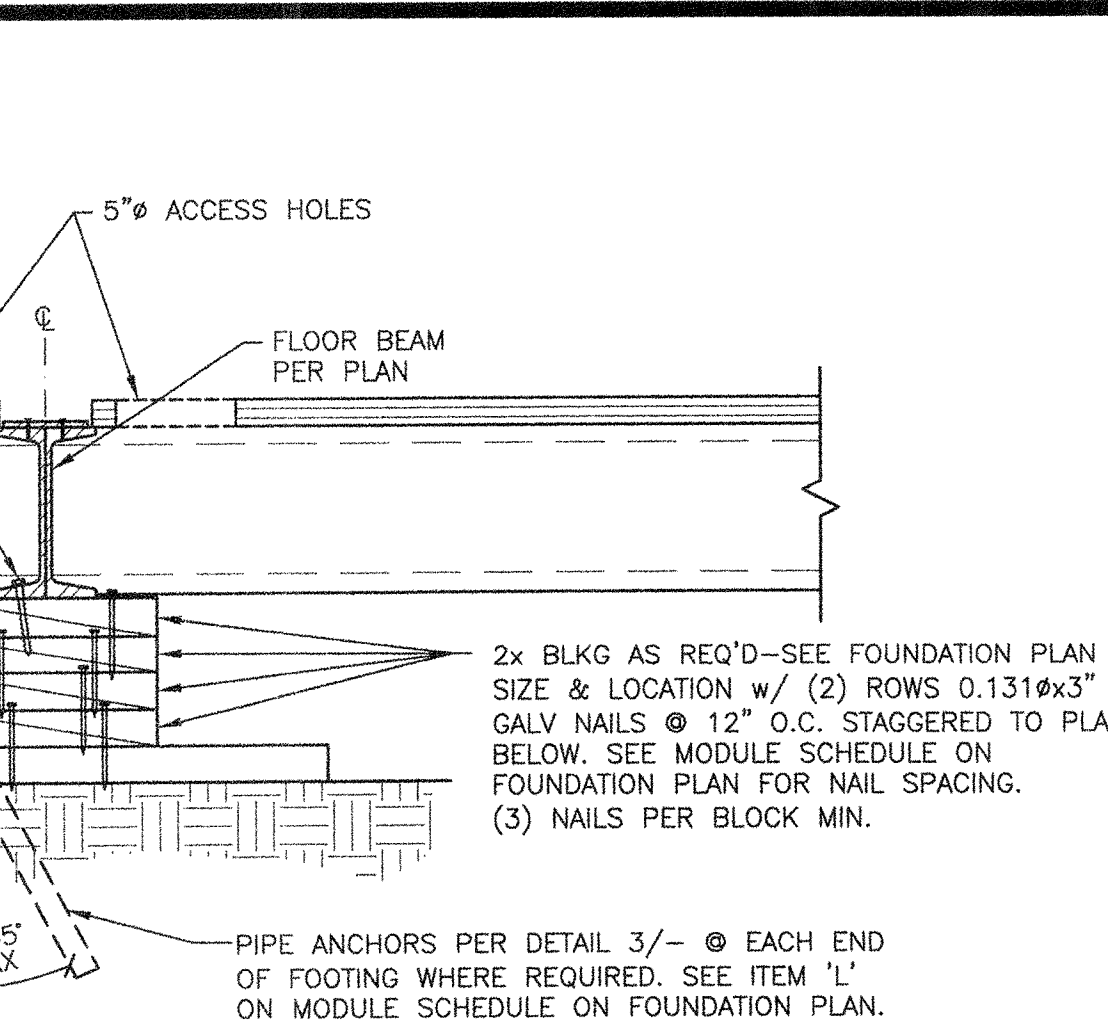
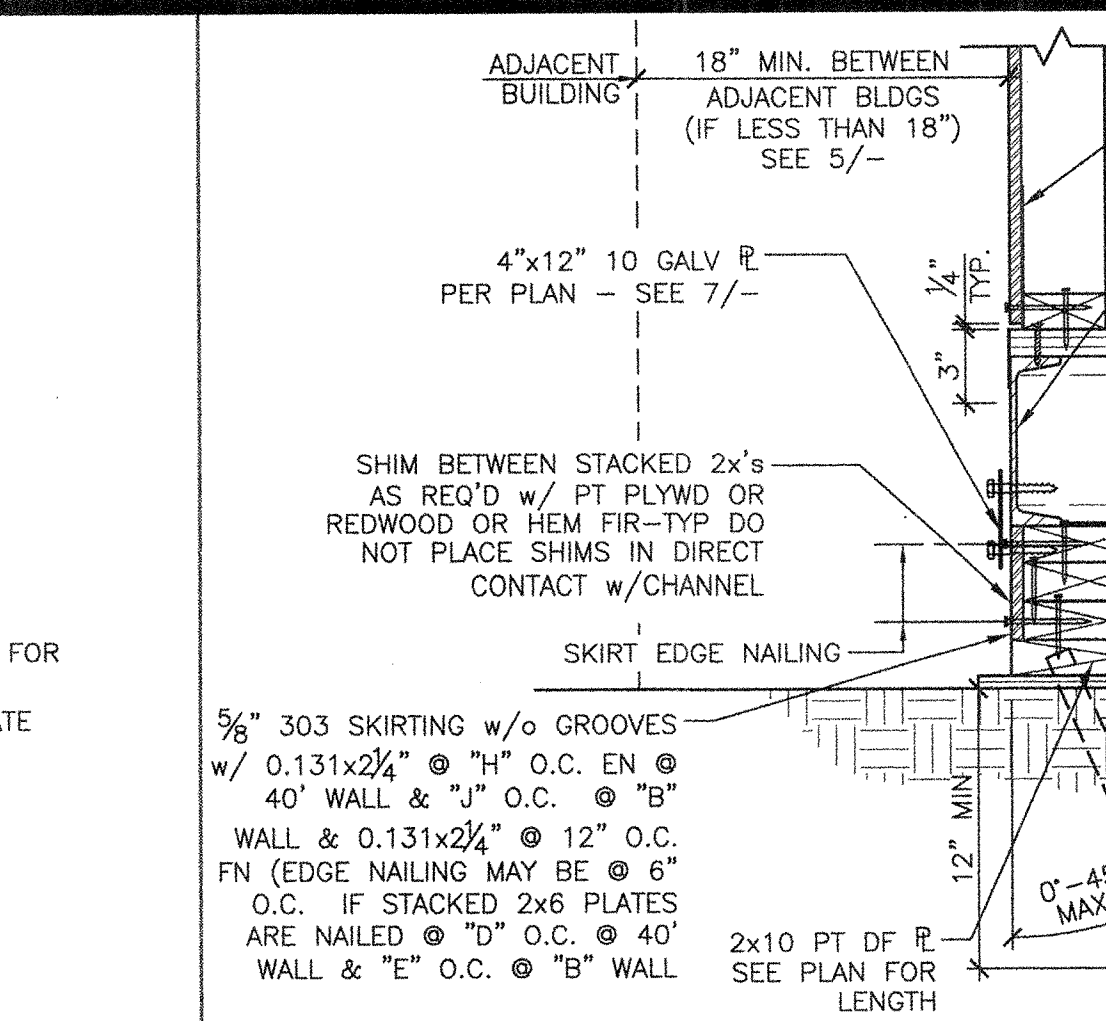
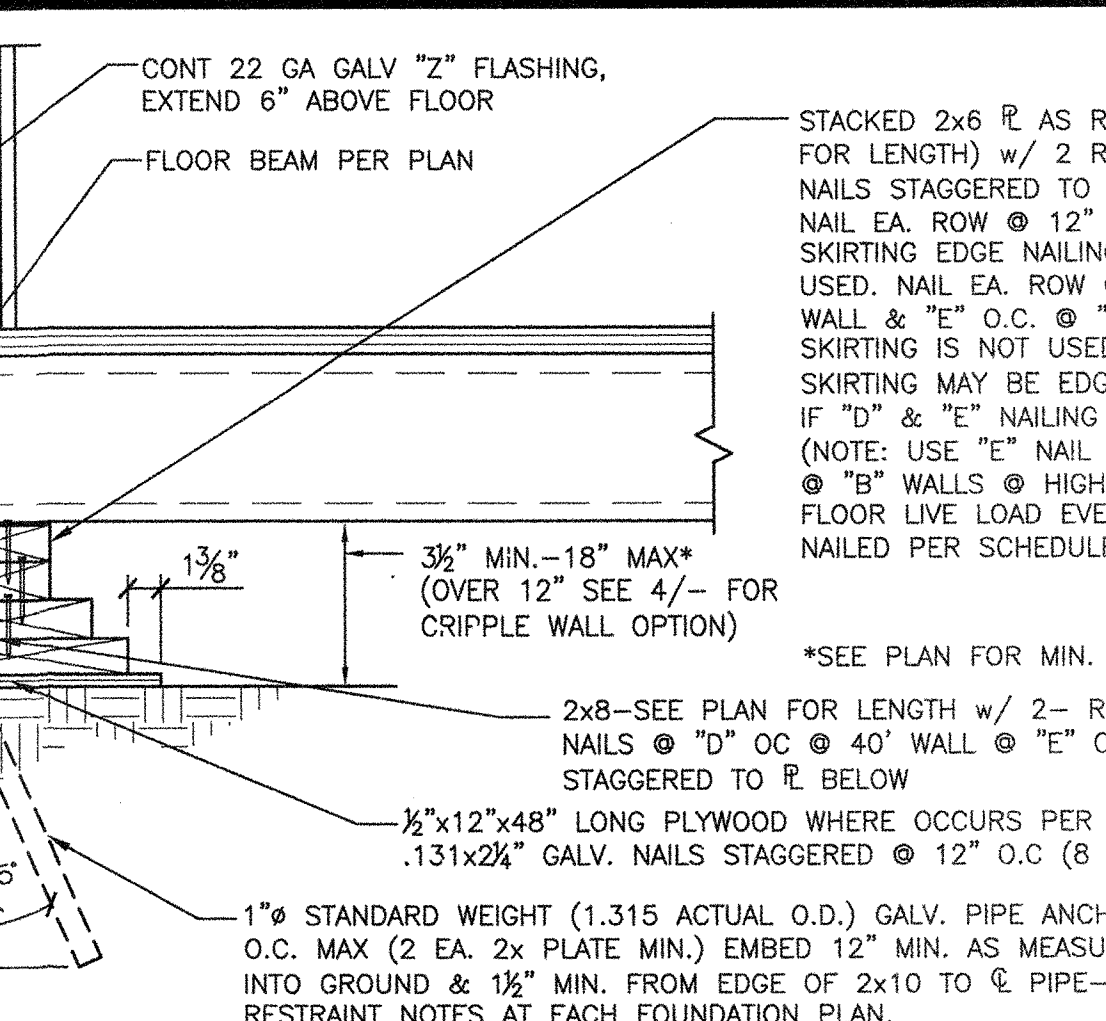
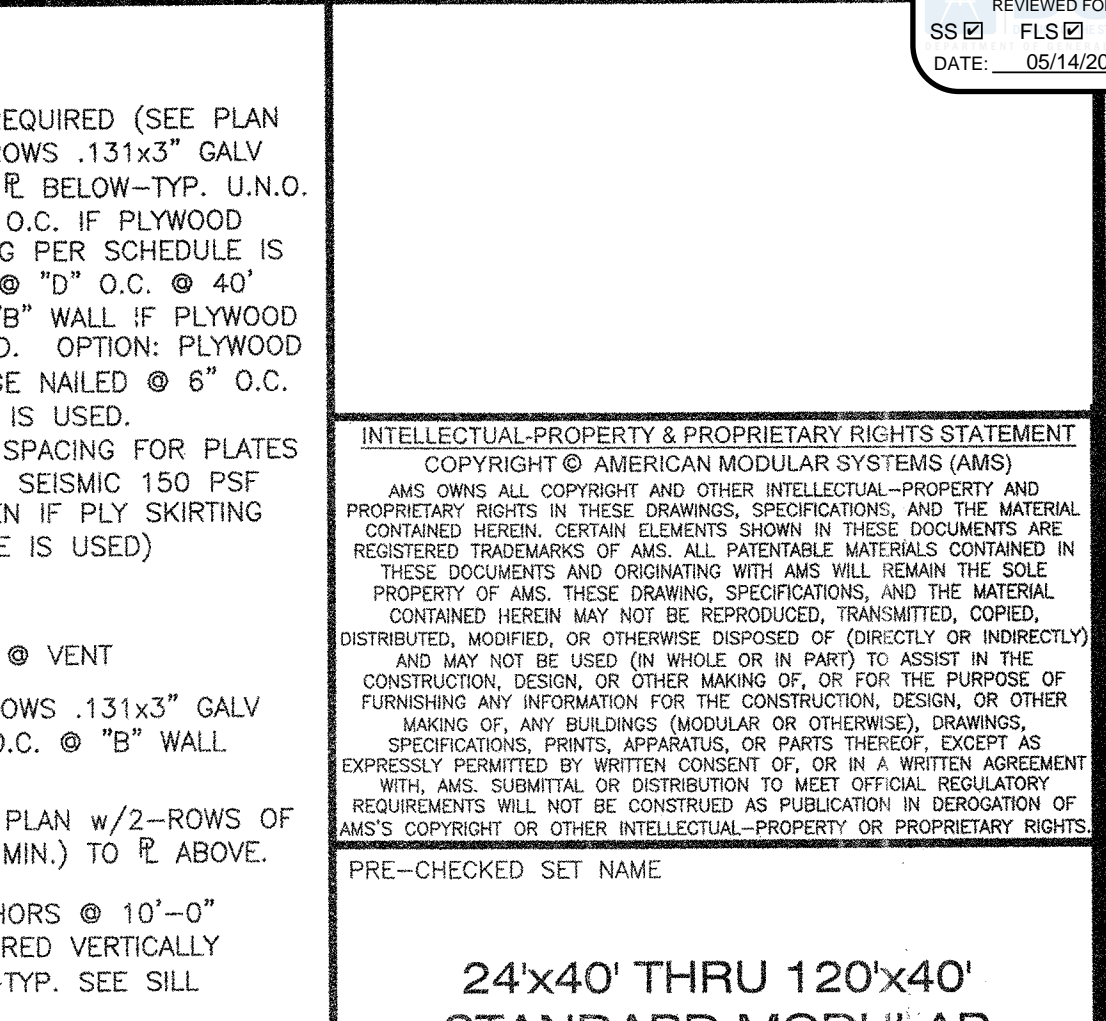
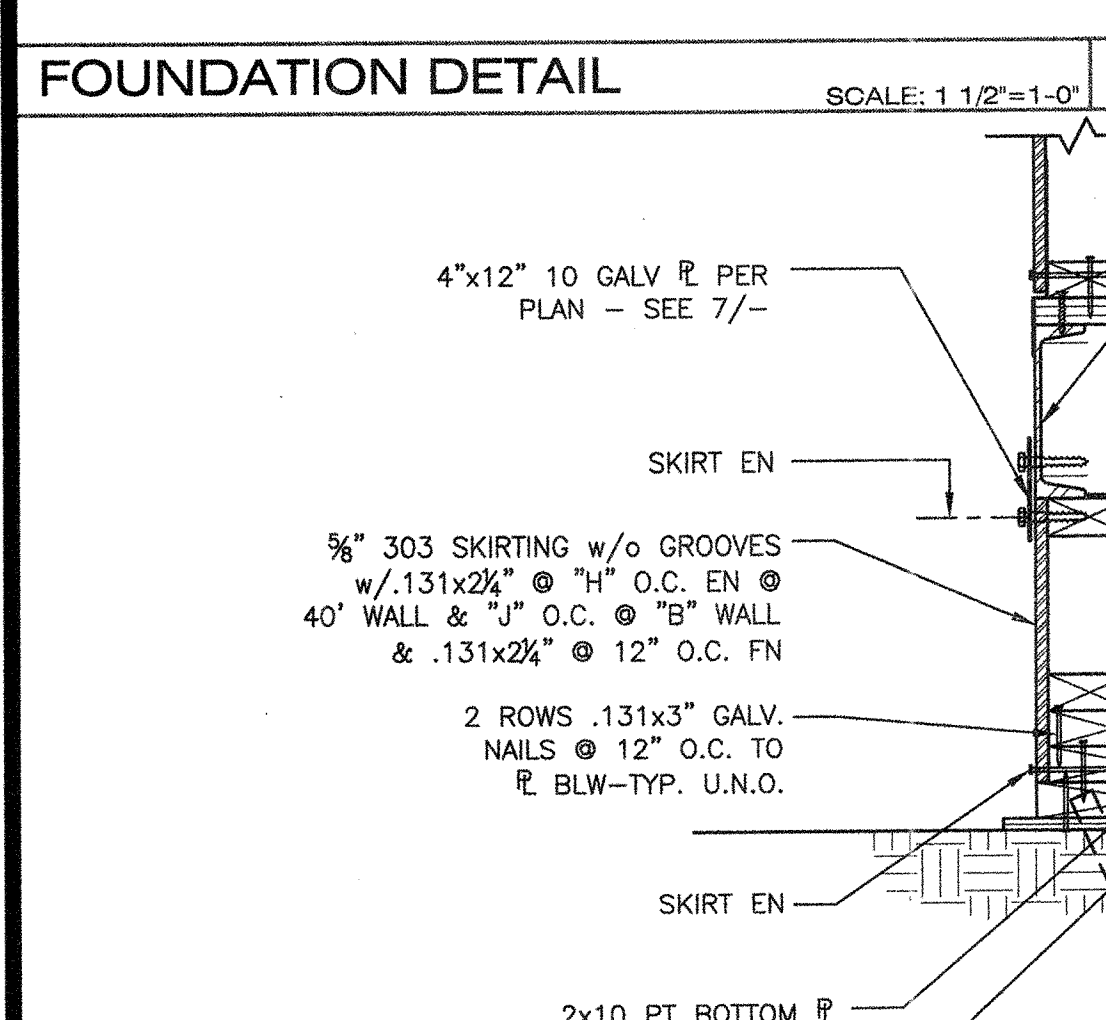
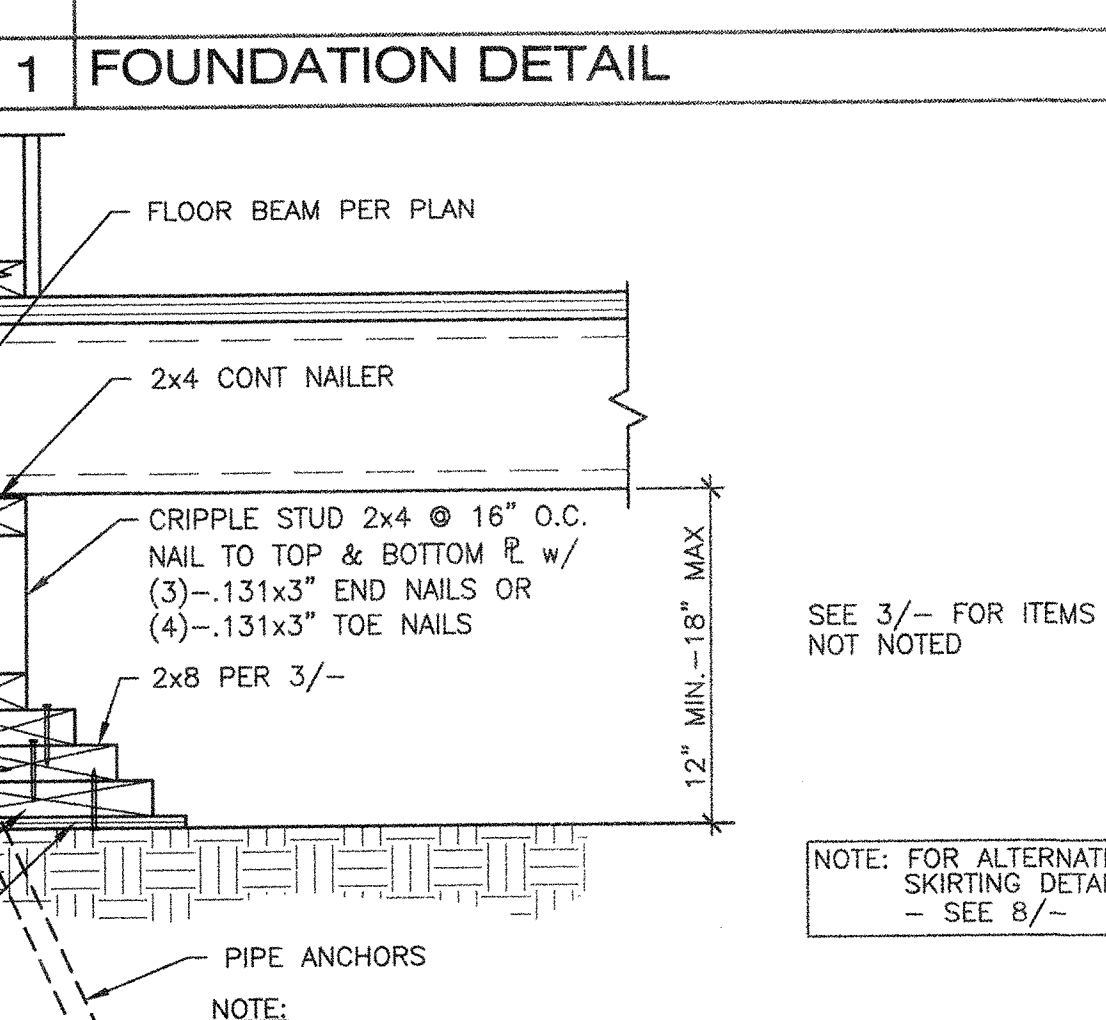
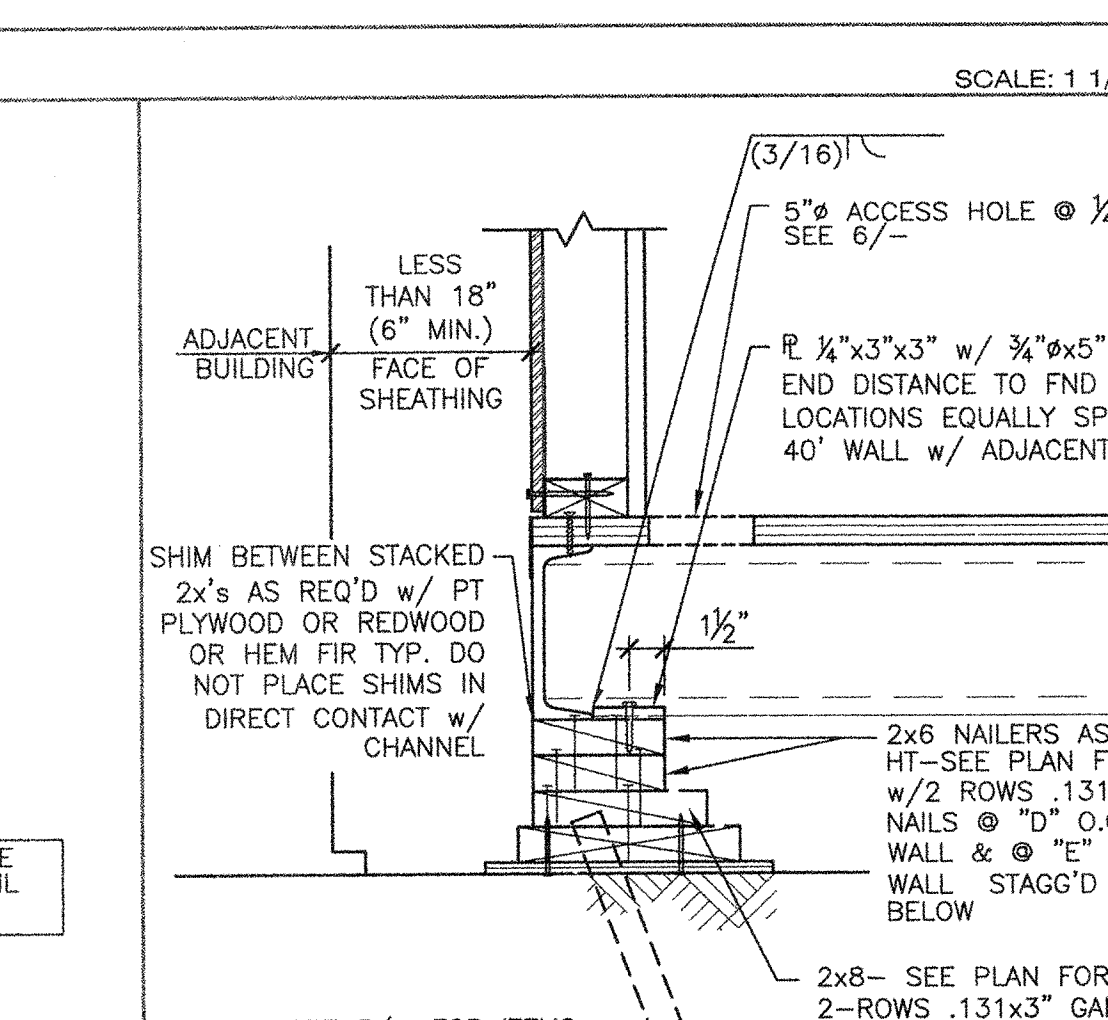
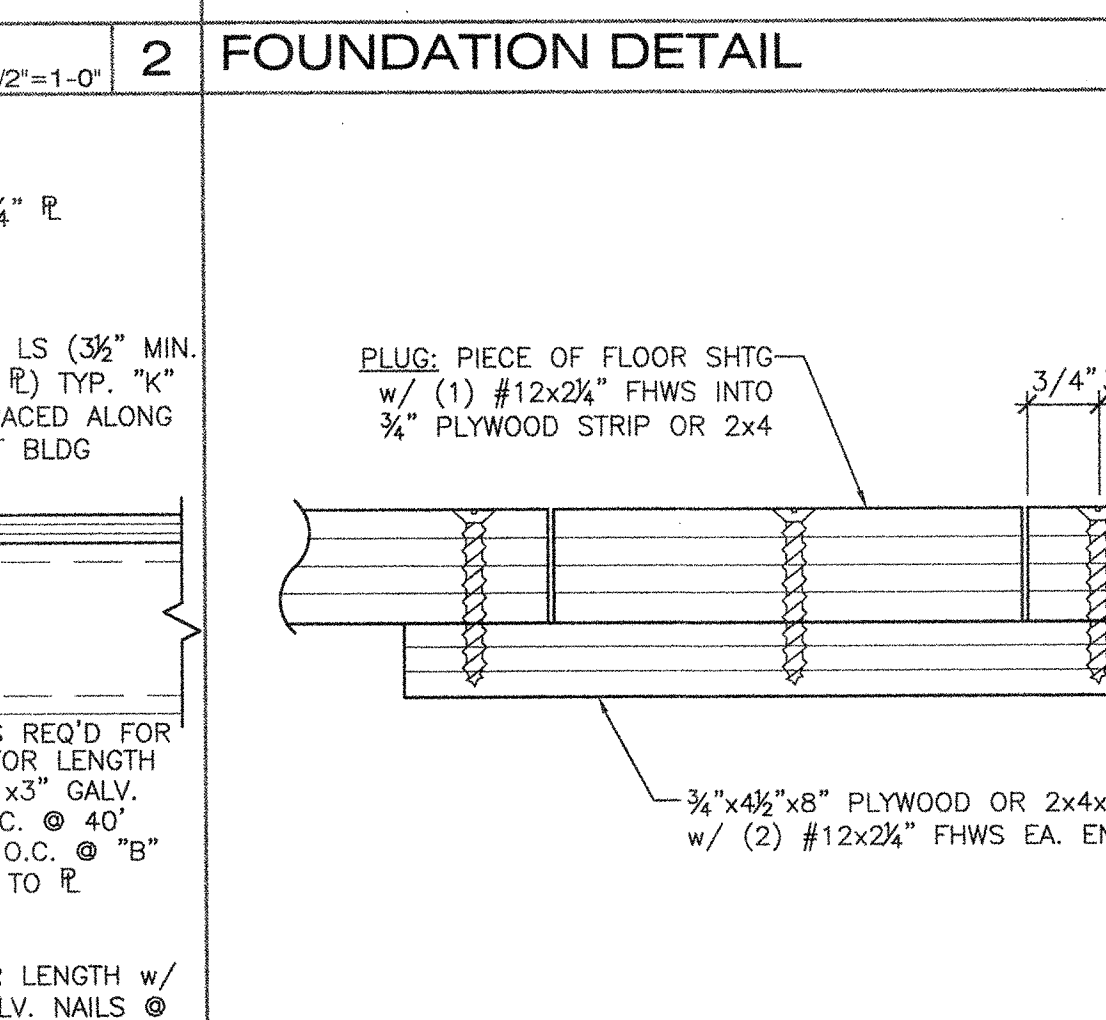
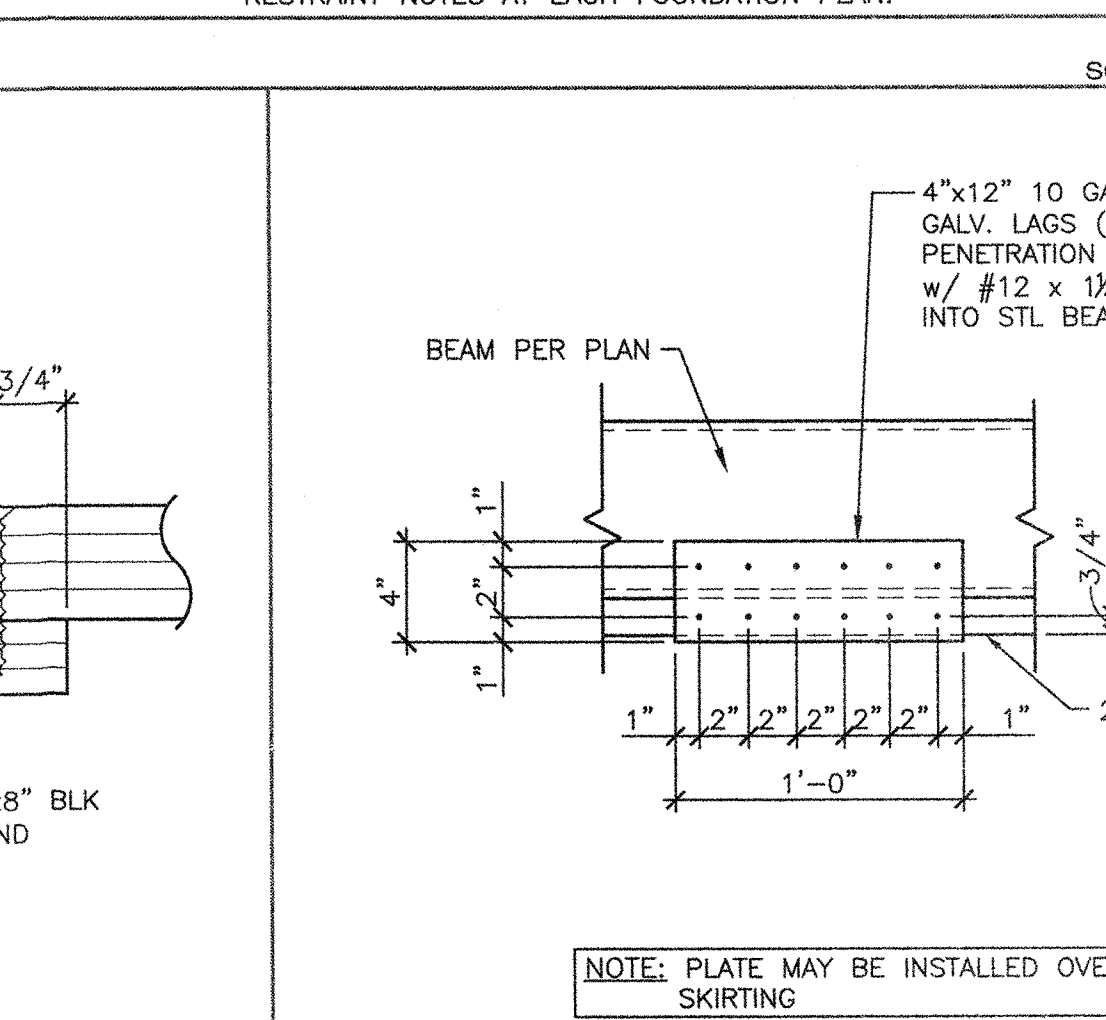
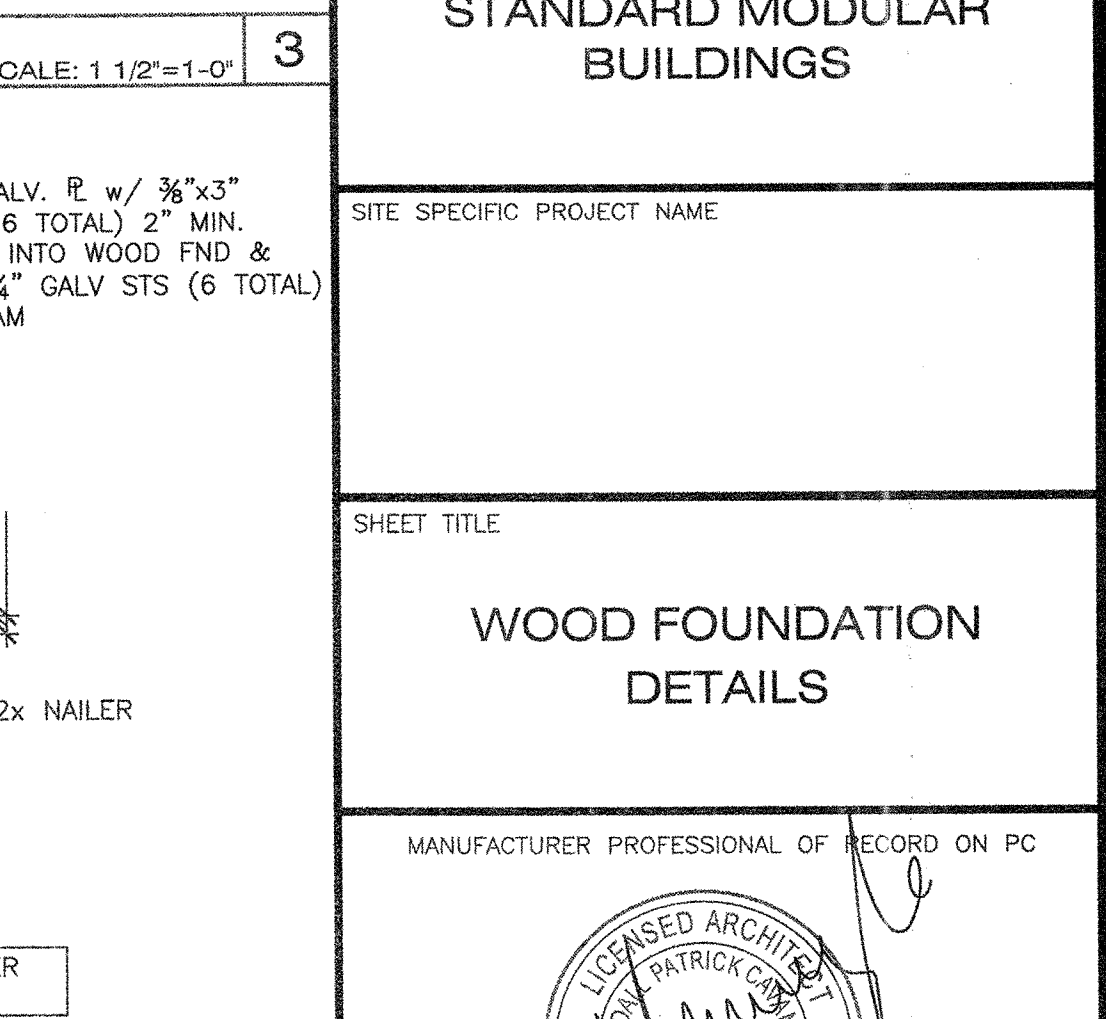
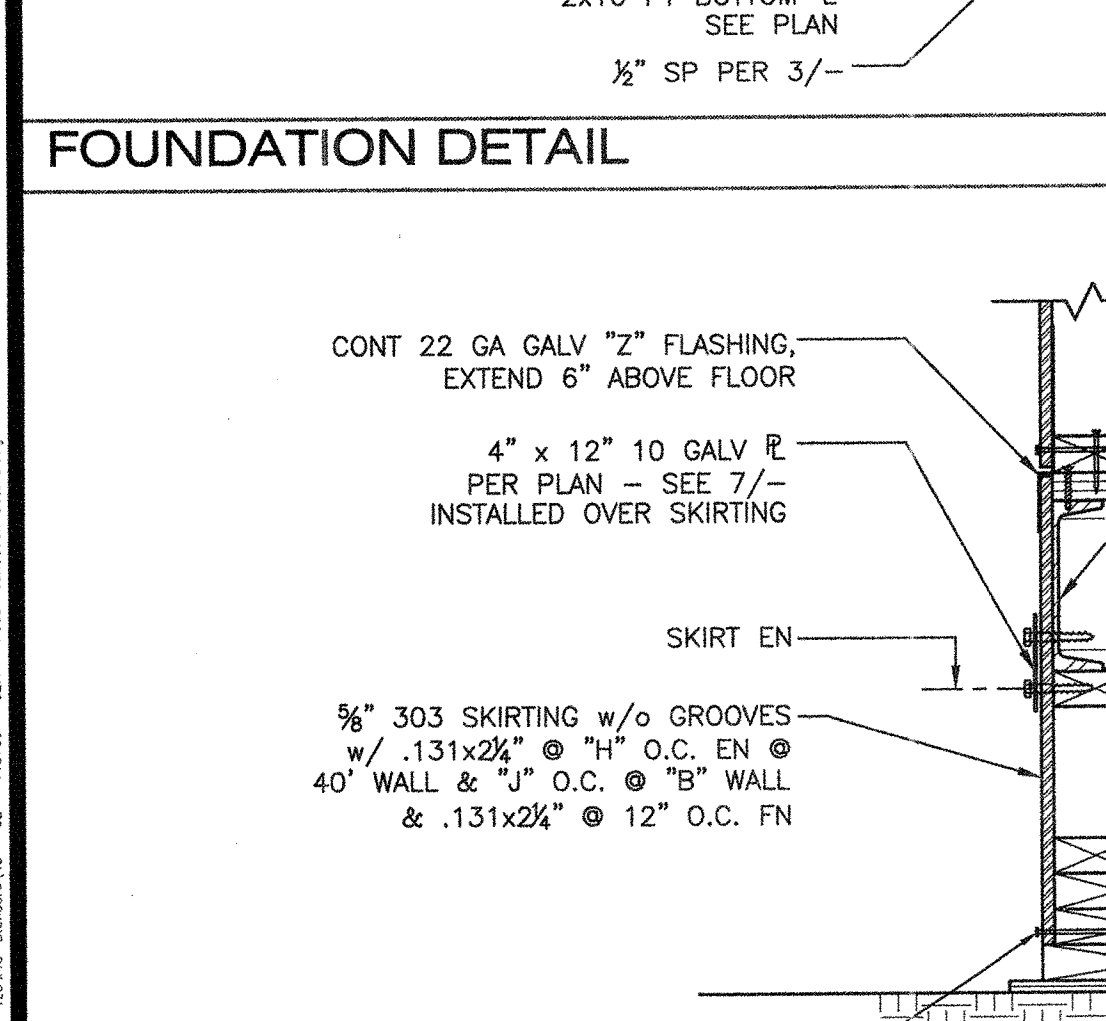
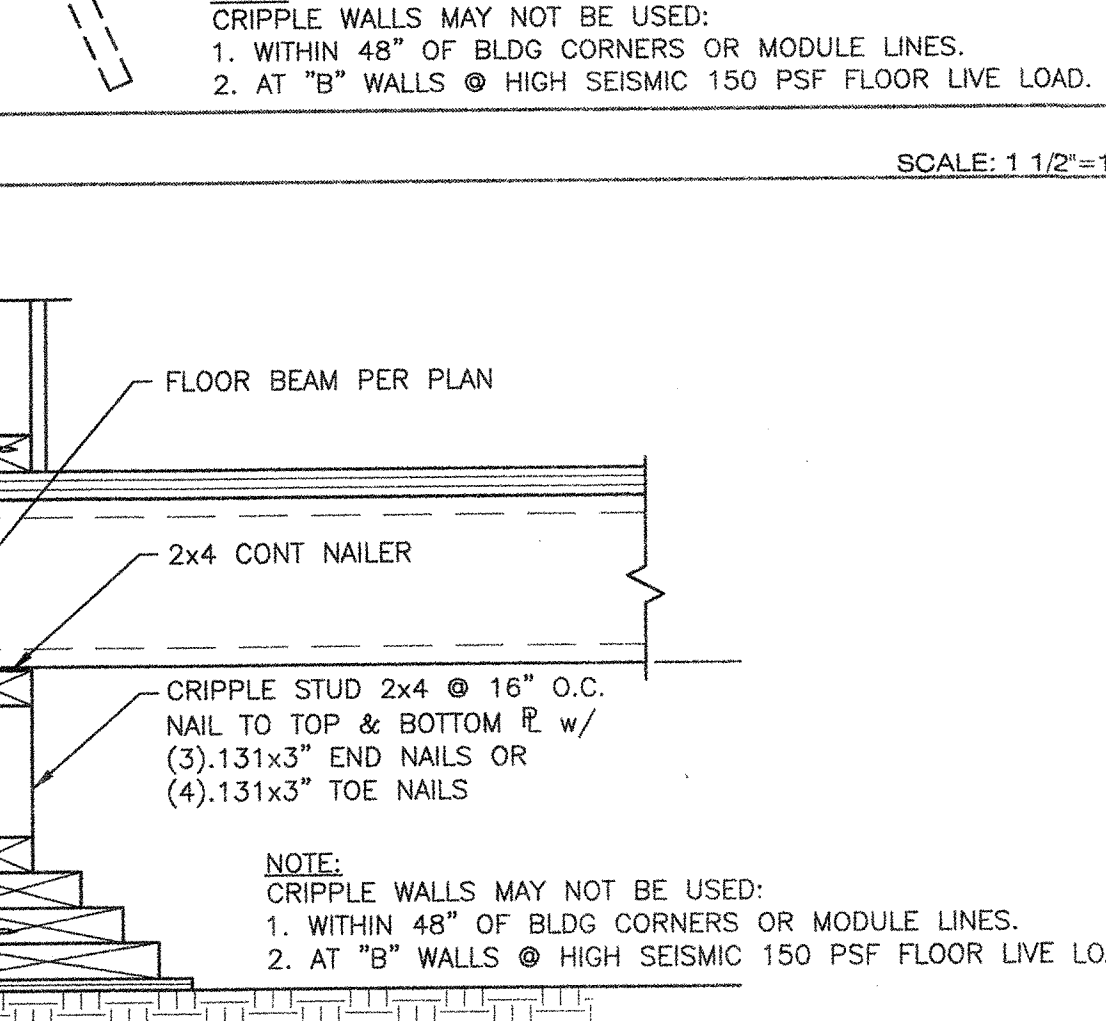
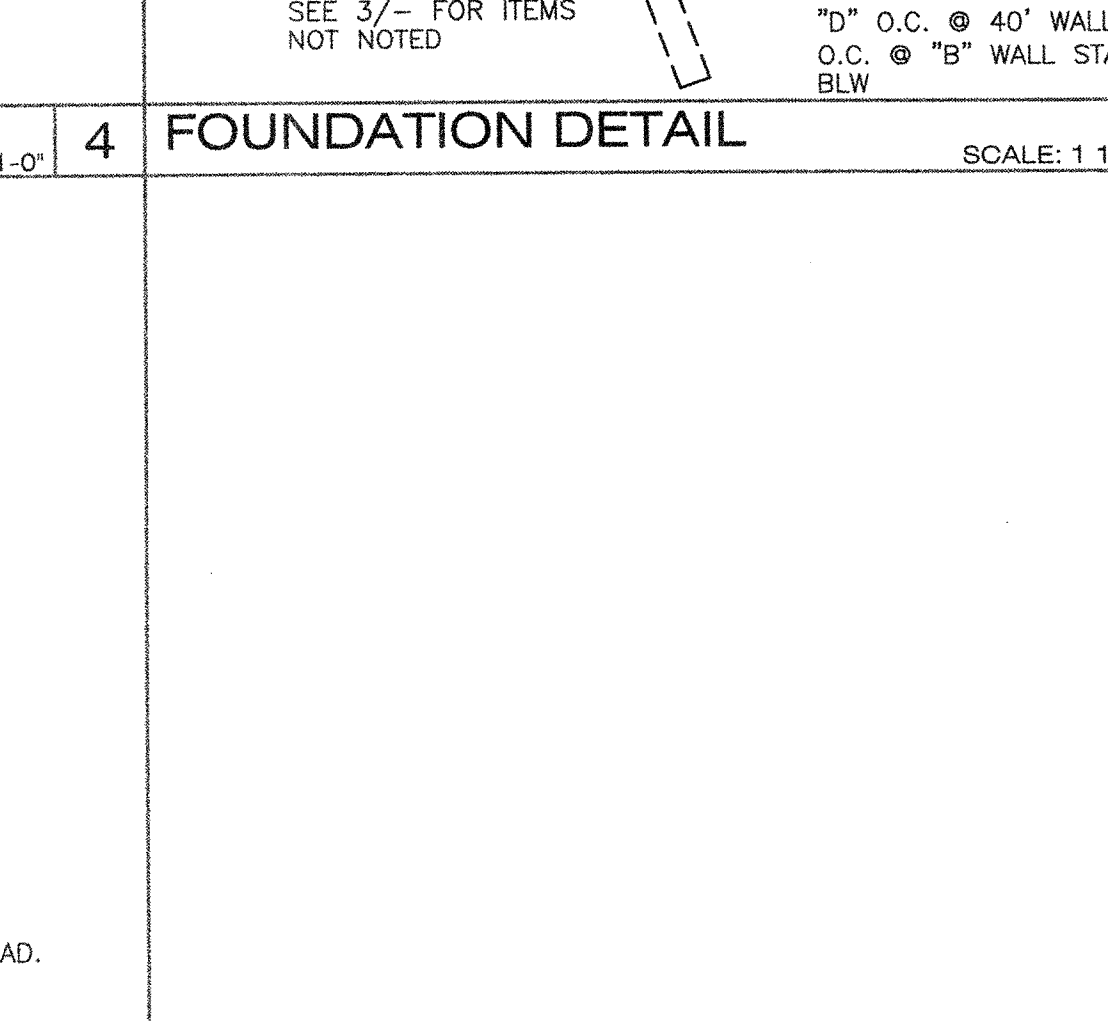
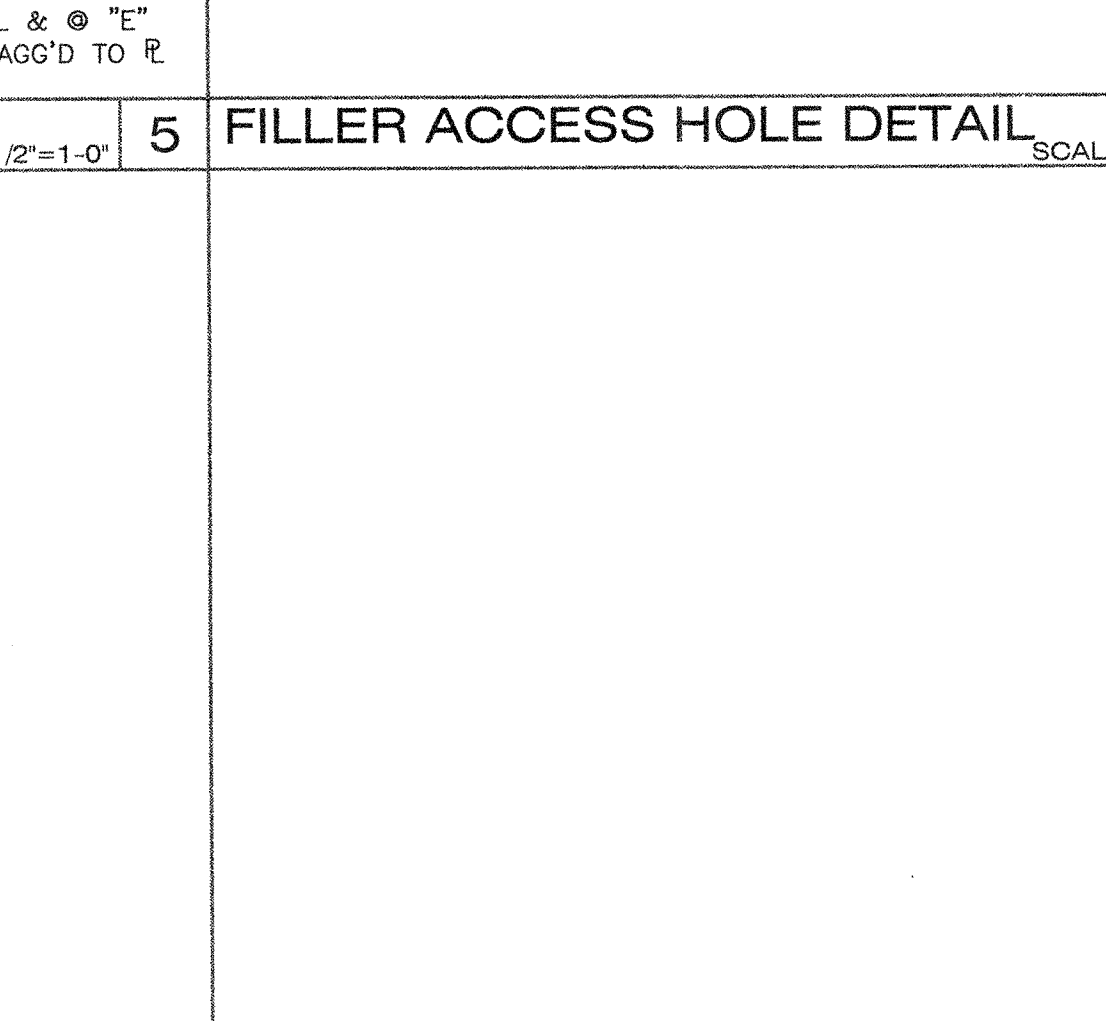
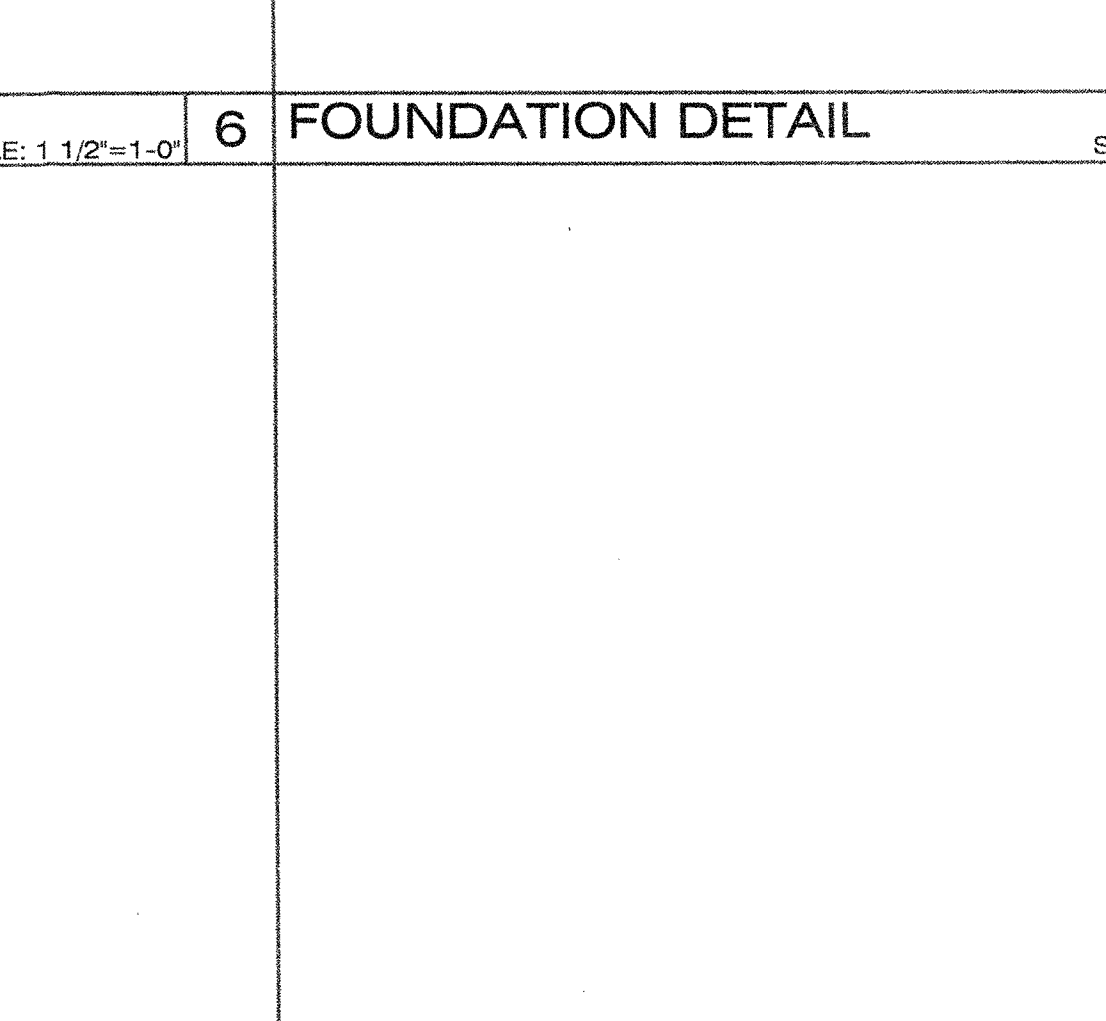
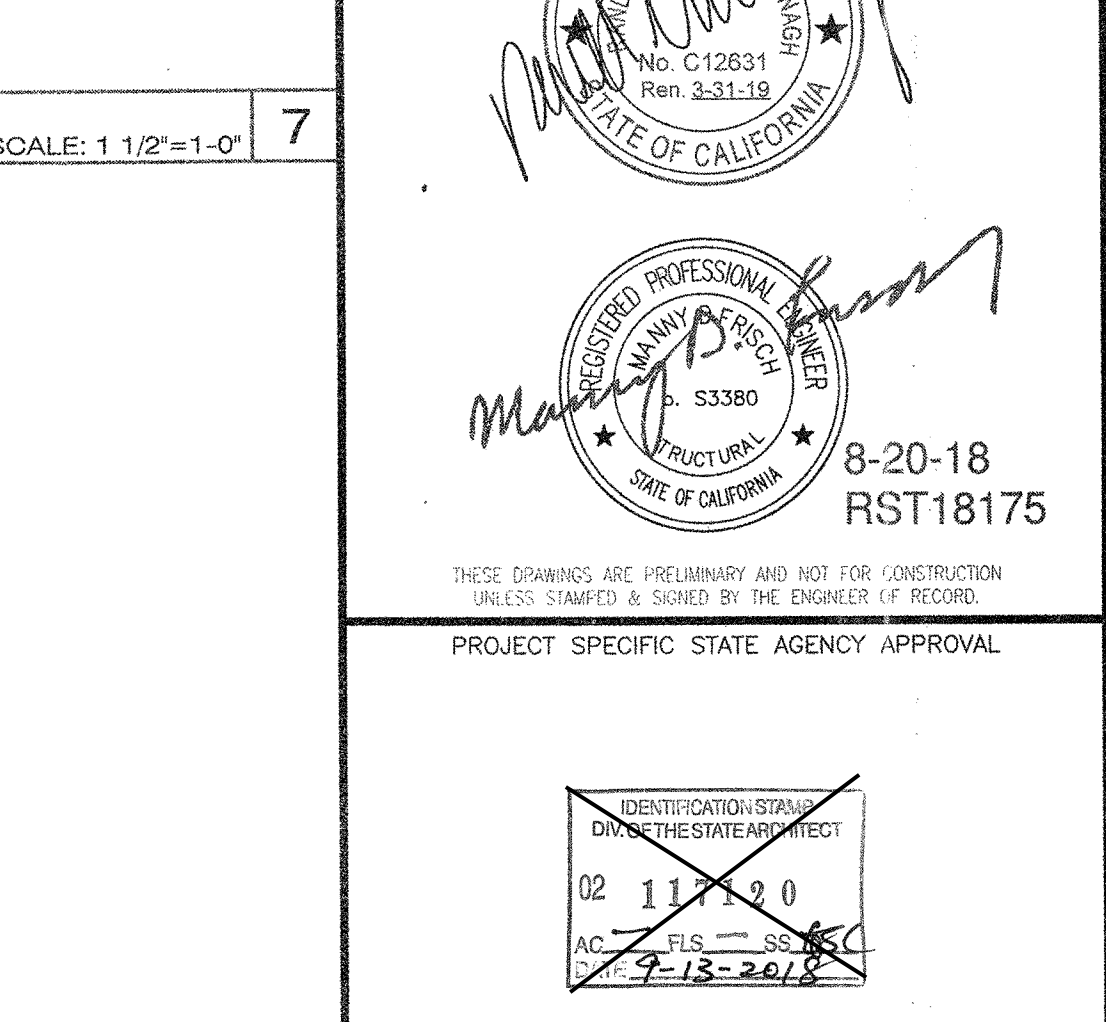
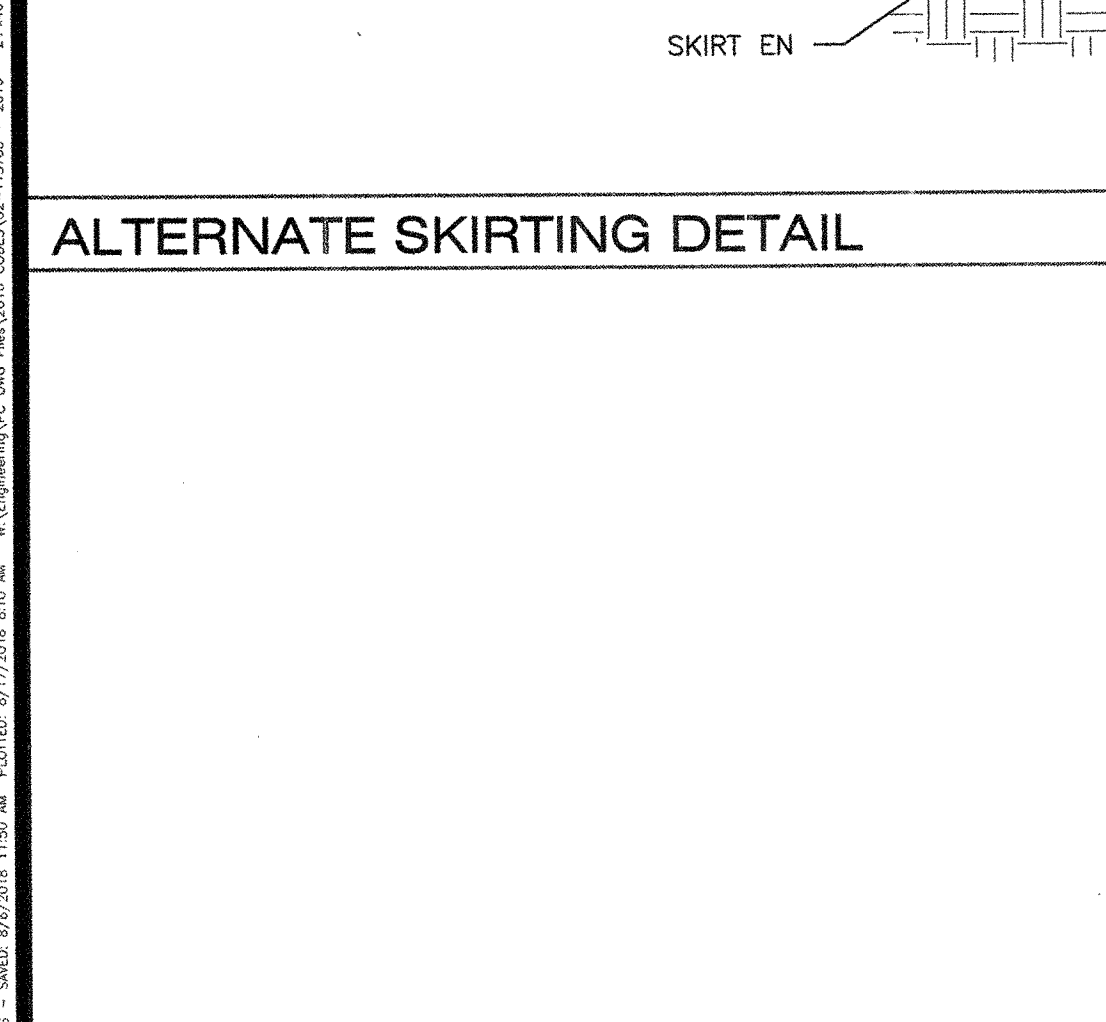
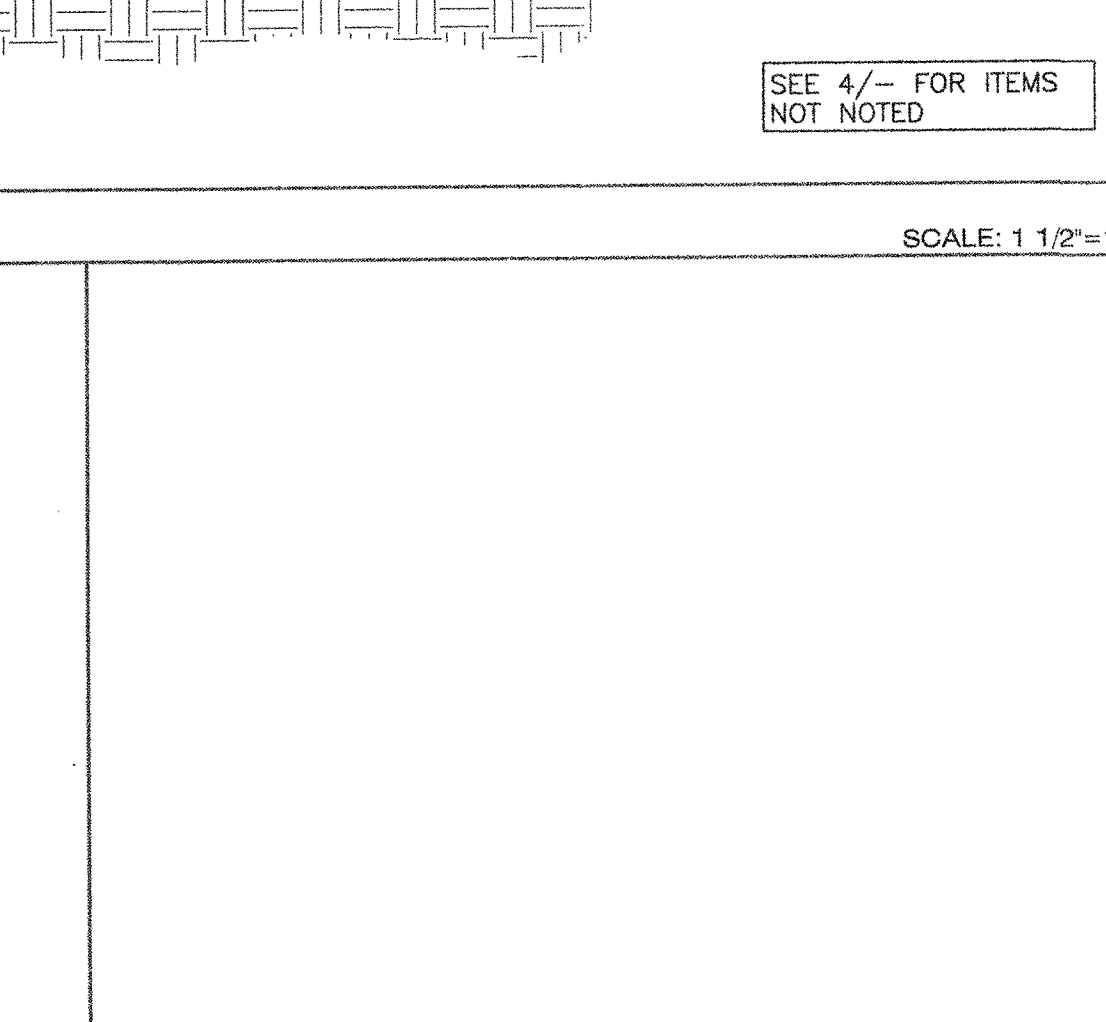
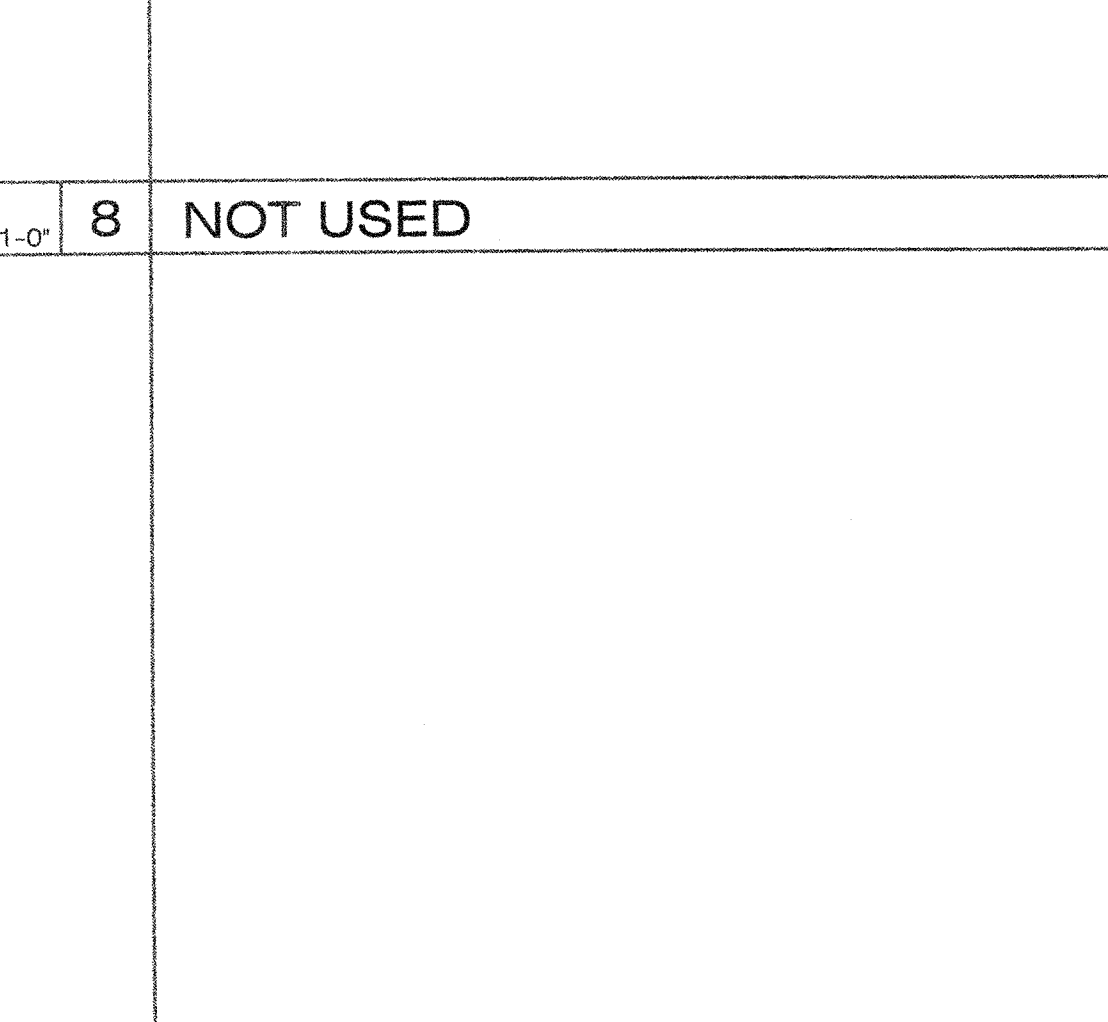
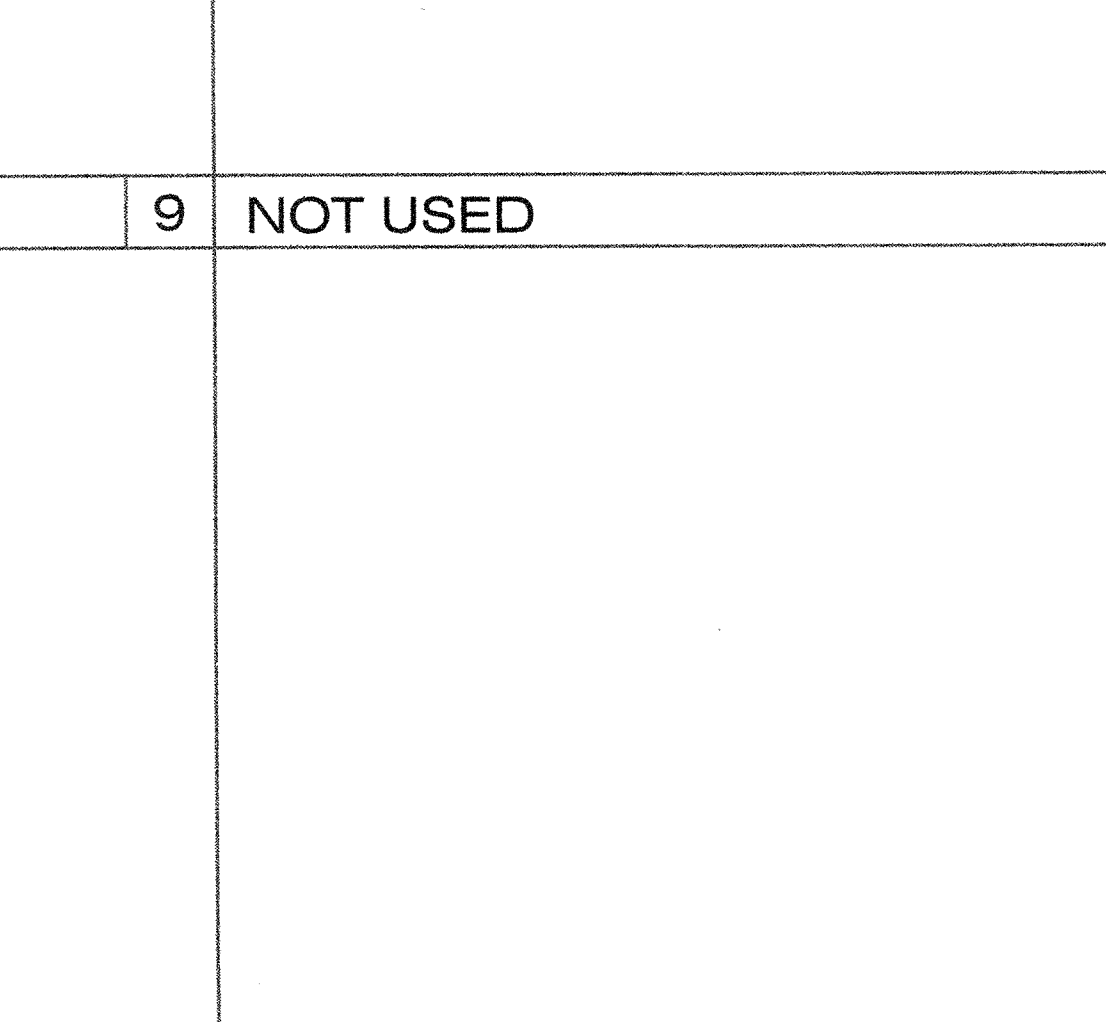
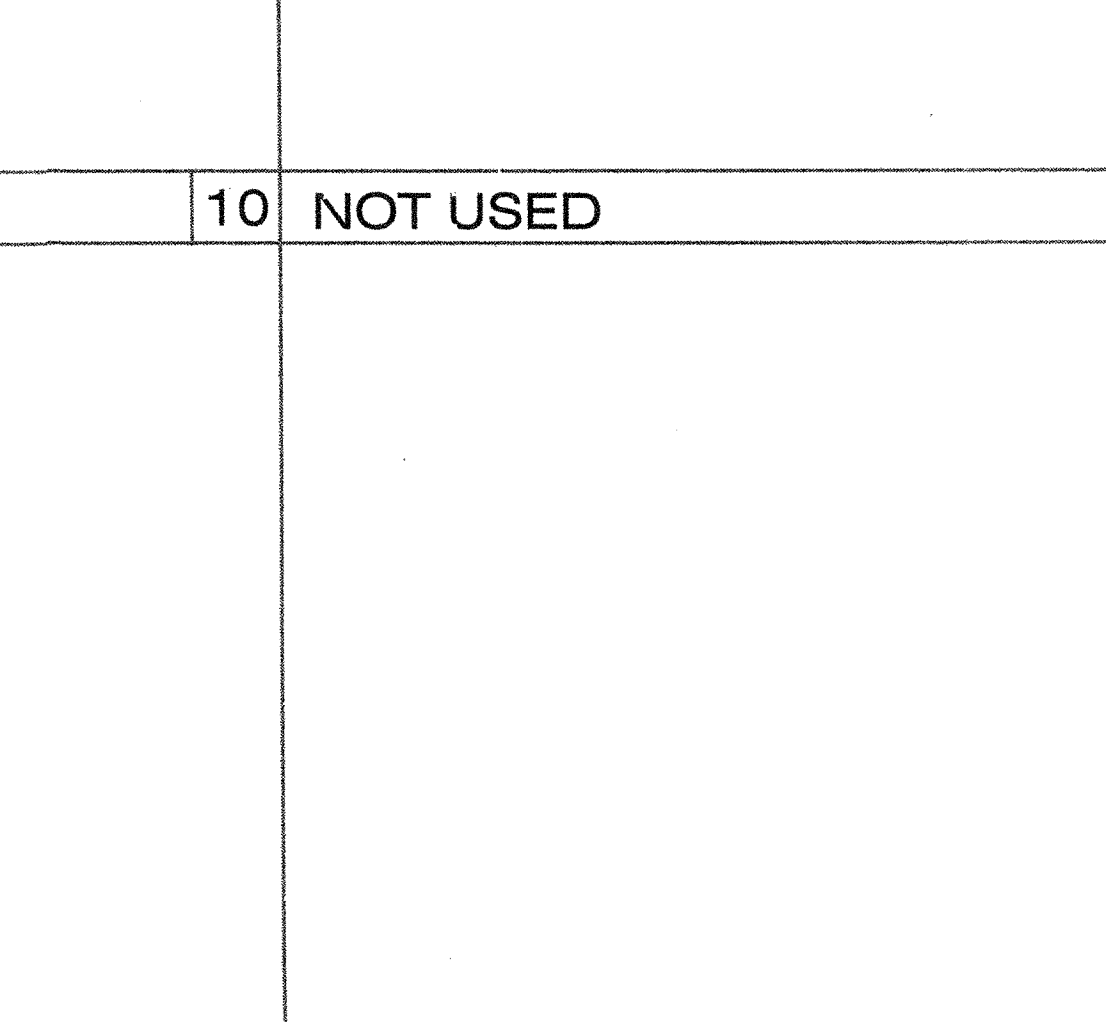
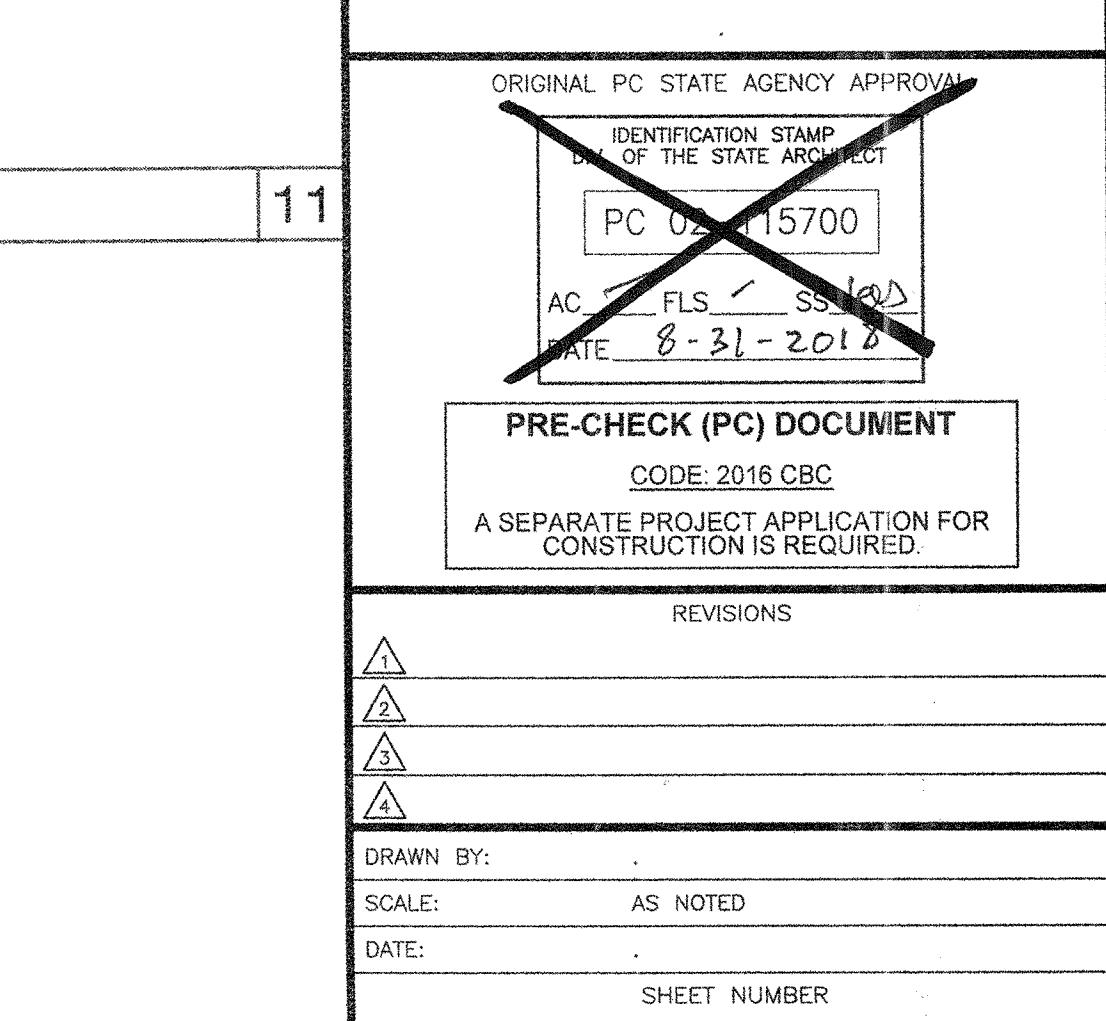

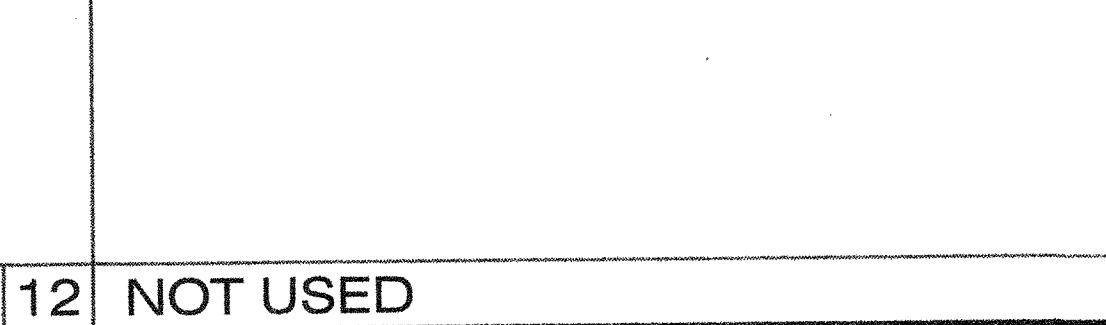
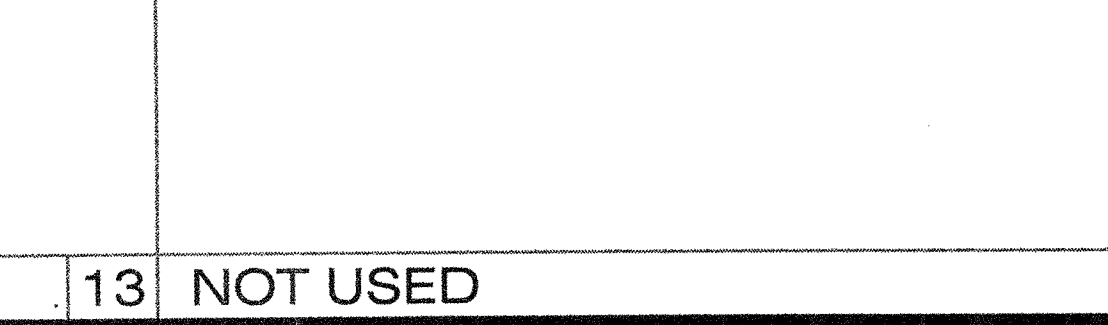
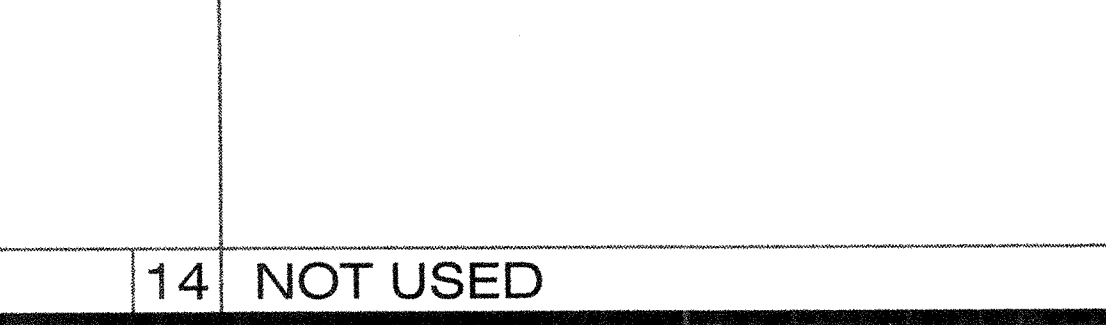
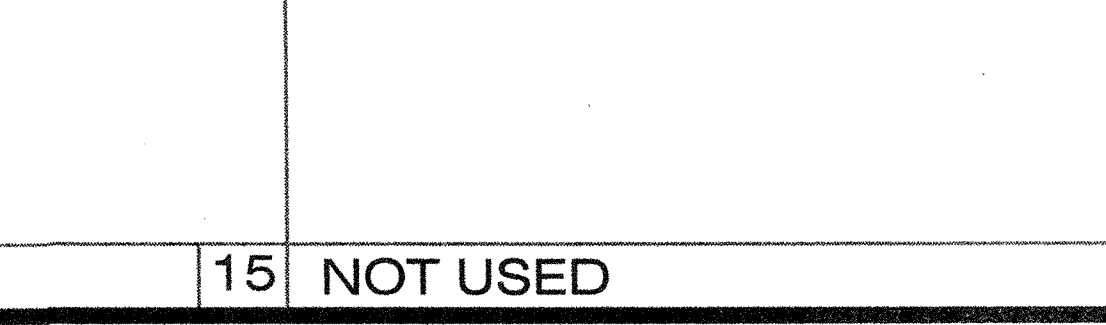
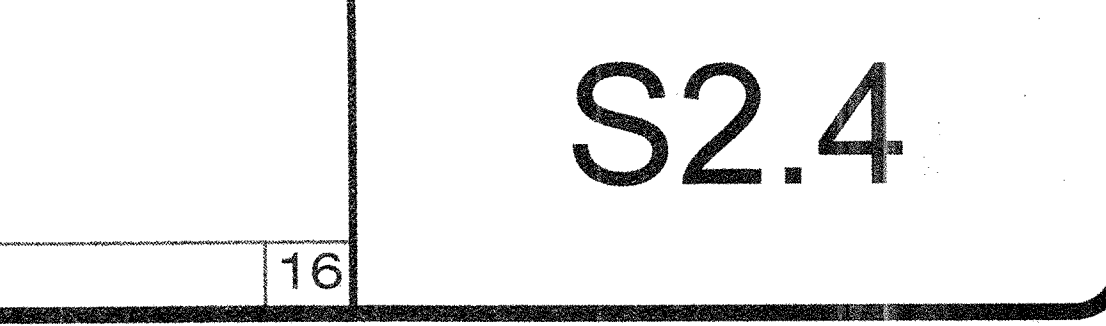






## SHEET NOTES

- TOP OF WOOD PADS TO BE LEVEL.
- DO NOT INSTALL BUILDINGS IN AREAS OF WATER LINES.
- SITE TO BE GRADED TO PREVENT WATER PONDING BENEATH THE STRUCTURE.
- FOUNDATION PLYWOOD TO BE CUT PERPENDICULAR TO THE FACE GRAIN.
- PER THE CONTRACT OF THIS PROJECT- THE BUILDING PAD MUST BE A MINIMUM OF 38'-0" FRONT TO REAR, BUILDING WIDTH PLUS 6'-0" SIDE TO SIDE AND SHALL NOT EXCEED 6" OUT OF LEVEL IN ANY DIRECTION.
- STUCCO WALLS ARE NOT ALLOWED ON WOOD FOUNDATIONS.
- PROJECT ARCHITECT SHOULD VERIFY THE NET AREA OF THE VENT COVER BE EQUAL TO OR LARGER THAN THE VENT AREA REQUIRED SHOWN ON THE TABLE.

FOUNDATIONS:  
ALL FOUNDATION MATERIALS IN CONTACT WITH THE GROUND SHALL BE PRESSURE TREATED OR REDWOOD EXCEPT SHIMS MAY BE REDWOOD, HEM FIR OR CEDAR. PRESSURE TREATED DOUGLAS FIR, HEM FIR, PLYWOOD ETC. SHALL BE VERIFIED BY A CERTIFICATE OF TREATMENT STATING: "THE MATERIAL IN THIS UNIT WAS TREATED PER 2016 CALIFORNIA BUILDING CODE. ALL MATERIAL FOR USE IN GROUND CONTACT SHALL BE STAMPED "FOR GROUND CONTACT" (U1 & T1). ALL MATERIAL NOT USED IN GROUND CONTACT SHALL BE HF#2 OR DF#2 "FOR ABOVE GROUND USE." THE IN-PLANT INSPECTOR SHALL VERIFY THAT ALL PRESSURE TREATED FOUNDATION MATERIAL IS CUT FROM AWPA STAMPED STOCK AND THAT ALL CUTS AND HOLES ARE RETREATED PER SPECIFICATIONS. U1 AND T1 MATERIAL SHALL BE Banded SEPARATELY FOR SHIPMENT TO THE JOB SITE. THE IN-PLANT INSPECTOR'S VERIFICATION OF EACH Banded UNIT SHALL BE ATTACHED TO THE MATERIAL. CONCRETE OR CONCRETE BLOCK FOUNDATIONS ARE NOT ALLOWED. THE FOOTING DESIGN SHALL PROVIDE FOR SHIMS AND BLOCKS NECESSARY TO PERMIT INSTALLATION ON SITES NOT LEVEL BUT WITHIN TOLERANCE ALLOWED. INSTALLATION SHALL BE PERMITTED ON EITHER SOIL, CONCRETE OR A/C PAVING, HAVING SUITABLE DESIGN BEARING CAPACITY. THE BUILDINGS SHALL BE SECURELY FASTENED TO THE FOUNDATIONS. THE FOUNDATIONS AND THE METHOD OF FASTENING SHALL BE SUBJECT TO APPROVAL BY THE ARCHITECT AND DSA. PADS SHALL BE DESIGNED FOR A MAXIMUM OF 1000 PSF LOAD ON THE SOIL. PADS SHALL NOT BE PLACED ON TURF.

S2.1



 <p>FOUNDATION DETAIL</p> <p>SCALE: 1 1/2"=1'-0"</p>		 <p>FOUNDATION DETAIL</p> <p>SCALE: 1 1/2"=1'-0"</p>		 <p>FOUNDATION DETAIL</p> <p>SCALE: 1 1/2"=1'-0"</p>		 <p>FOUNDATION DETAIL</p> <p>SCALE: 1 1/2"=1'-0"</p>		 <p>FOUNDATION DETAIL</p> <p>SCALE: 1 1/2"=1'-0"</p>		 <p>FOUNDATION DETAIL</p> <p>SCALE: 1 1/2"=1'-0"</p>	
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 <p>FOUNDATION DETAIL</p> <p>SCALE: 1 1/2"=1'-0"</p>		 <p>FOUNDATION DETAIL</p> <p>SCALE: 1 1/2"=1'-0"</p>		 <p>FOUNDATION DETAIL</p> <p>SCALE: 1 1/2"=1'-0"</p>		 <p>FOUNDATION DETAIL</p> <p>SCALE: 1 1/2"=1'-0"</p>		 <p>FOUNDATION DETAIL</p> <p>SCALE: 1 1/2"=1'-0"</p>		 <p>FOUNDATION DETAIL</p> <p>SCALE: 1 1/2"=1'-0"</p>	
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 <p>FOUNDATION DETAIL</p> <p>SCALE: 1 1/2"=1'-0"</p>		 <p>FOUNDATION DETAIL</p> <p>SCALE: 1 1/2"=1'-0"</p>		 <p>FOUNDATION DETAIL</p> <p>SCALE: 1 1/2"=1'-0"</p>		 <p>FOUNDATION DETAIL</p> <p>SCALE: 1 1/2"=1'-0"</p>		 <p>FOUNDATION DETAIL</p> <p>SCALE: 1 1/2"=1'-0"</p>		 <p>FOUNDATION DETAIL</p> <p>SCALE: 1 1/2"=1'-0"</p>	
 <p>FOUNDATION DETAIL</p> <p>SCALE: 1 1/2"=1'-0"</p>		 <p>FOUNDATION DETAIL</p> <p>SCALE: 1 1/2"=1'-0"</p>		 <p>FOUNDATION DETAIL</p> <p>SCALE: 1 1/2"=1'-0"</p>		 <p>FOUNDATION DETAIL</p> <p>SCALE: 1 1/2"=1'-0"</p>		 <p>FOUNDATION DETAIL</p> <p>SCALE: 1 1/2"=1'-0"</p>		 <p>FOUNDATION DETAIL</p> <p>SCALE: 1 1/2"=1'-0"</p>	

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PRE-CHECKED SET NAME

24'x40' THRU 120'x40'  
STANDARD MODULAR  
BUILDINGS

SITE SPECIFIC PROJECT NAME

SHEET TITLE

WOOD FOUNDATION  
DETAILS

MANUFACTURER PROFESSIONAL OF RECORD ON PC

REGISTERED ARCHITECT  
PATRICK M. GRIFFIN  
No. C12631  
Ren. 2-31-19  
STATE OF CALIFORNIA

REGISTERED PROFESSIONAL ENGINEER  
MANUEL P. B. ESCOBAR  
No. S3380  
Ren. 8-20-18  
STATE OF CALIFORNIA

8-20-18  
RST18175

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PROJECT SPECIFIC STATE AGENCY APPROVAL

IDENTIFICATION STAMP  
DIV. OF THE STATE ARCHITECT  
02 11 20  
AC FLS SS  
9-13-2018

ORIGINAL PC STATE AGENCY APPROVAL  
IDENTIFICATION STAMP  
DIV. OF THE STATE ARCHITECT  
PC 02 115700  
AC FLS SS  
8-31-2018

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

REVISIONS

REVISIONS

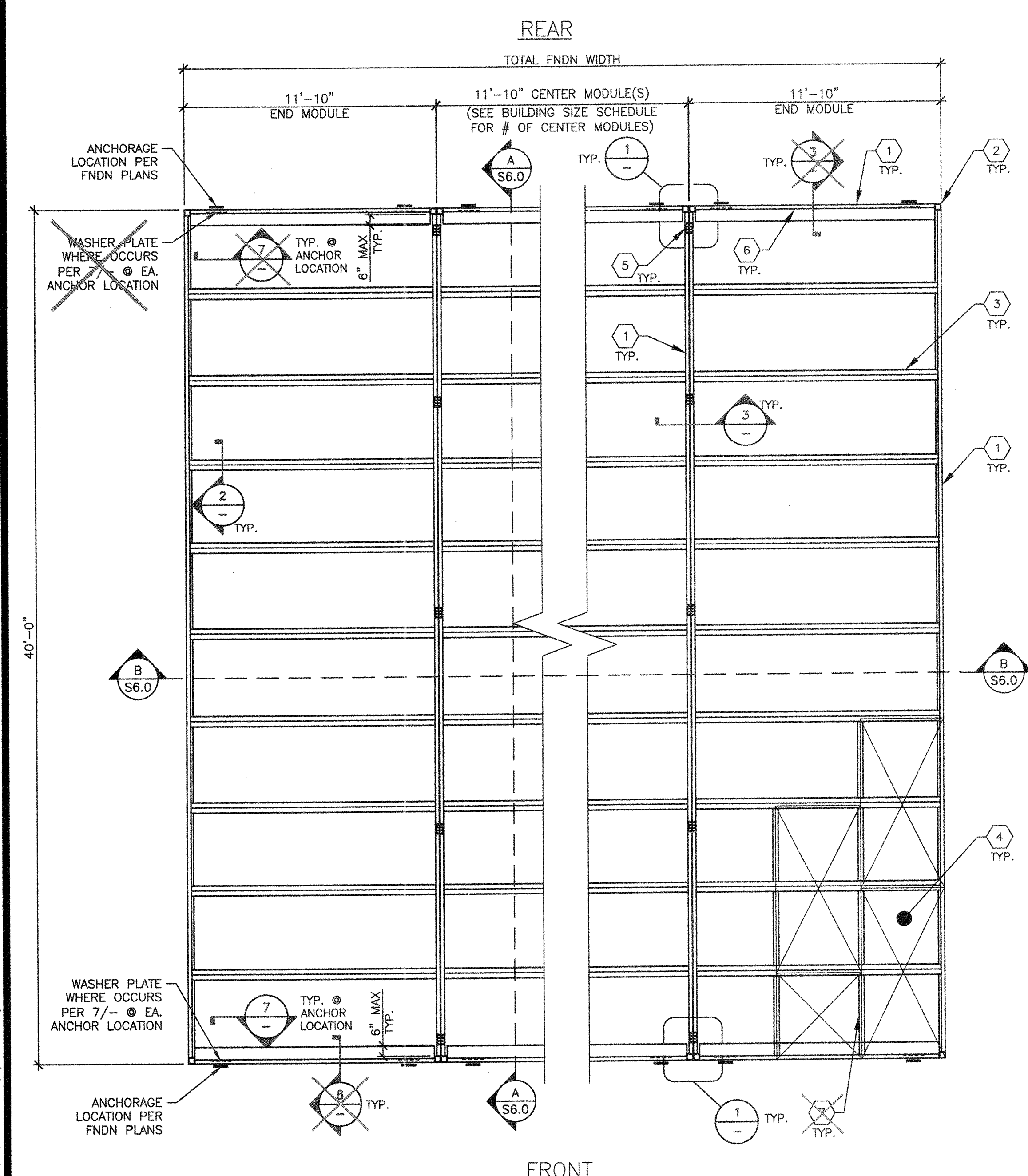
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SCALE: AS NOTED  
DATE:

SHEET NUMBER

S2.4

RV-1 PCX26





FLOOR JOIST SCHEDULE			
LIVE LOAD PSF	14 GA. JOIST	12 GA. JOIST	
50 PSF	32" O.C.	48" O.C.	
50+15 PSF	32" O.C.	48" O.C.	
100 PSF	16" O.C.	32" O.C.	
150 PSF	-	16" O.C.	

NOTE: FOR SECTION PROPERTIES - SEE S0.0

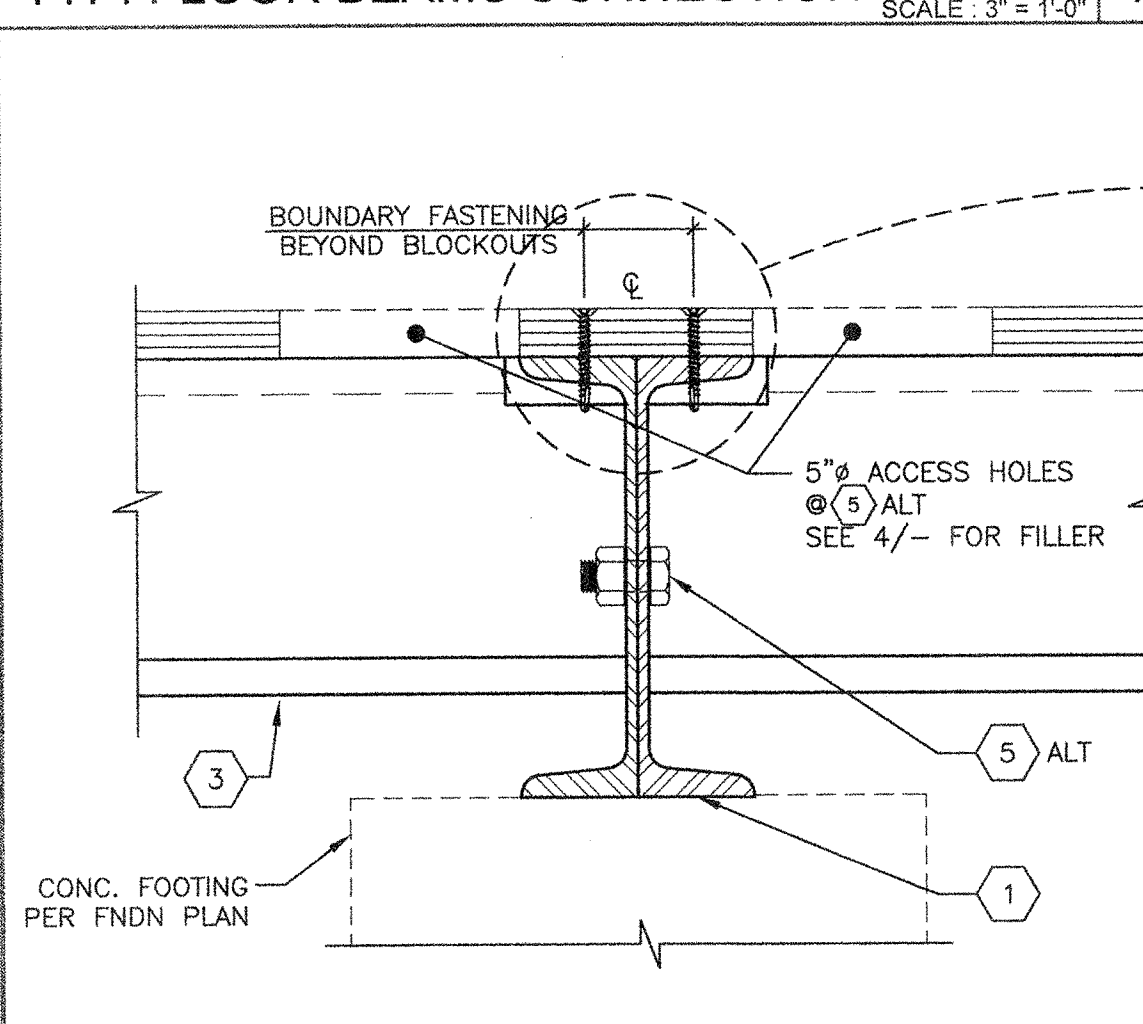
FRAMING PLAN (PLYWOOD FLOOR)

BUILDING SIZE SCHEDULE			
BUILDING SIZE (FT)	TOTAL # OF 12'-0" WIDE MODULES	TOTAL # OF CENTER MODULES	TOTAL FNDN WIDTH
24'x40'	2	0	23'-8 1/2"
36'x40'	3	1	35'-6 1/2"
48'x40'	4	2	47'-5"
60'x40'	5	3	59'-3 1/2"
72'x40'	6	4	71'-1 1/2"
84'x40'	7	5	82'-11 1/4"
96'x40'	8	6	94'-10"
108'x40'	9	7	106'-8 1/4"
120'x40'	10	8	118'-6 1/2"

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

BUILDING SIZE SCHEDULE

TYP. FLOOR BEAMS CONNECTION



TYP. BEAM TO BEAM CONNECTION

FASTENER SPACING SCHEDULE			
ALL BUILDING SIZES	BOUNDARY #10x2 1/2" TEK SCREW	EDGE ET&F 0.144x2 1/2" POWER DRIVEN PINS	**FIELD ET&F 0.144x2 1/2" POWER DRIVEN PINS
	6" O.C.	6" O.C.	12" O.C.
**6" O.C. WHEN FLOOR JOISTS ARE SPACED @ 48" O.C.			

ALTERNATE FASTENER SPACING SCHEDULE			
ALL BUILDING SIZES	BOUNDARY #10x2 1/2" TEK SCREW	EDGE #10x2 1/2" TEK SCREW	**FIELD #10x2 1/2" TEK SCREW
	6" O.C.	6" O.C.	12" O.C.
**6" O.C. WHEN FLOOR JOISTS ARE SPACED @ 48" O.C.			

FASTENER SPACING @ CONCRETE FOUNDATION

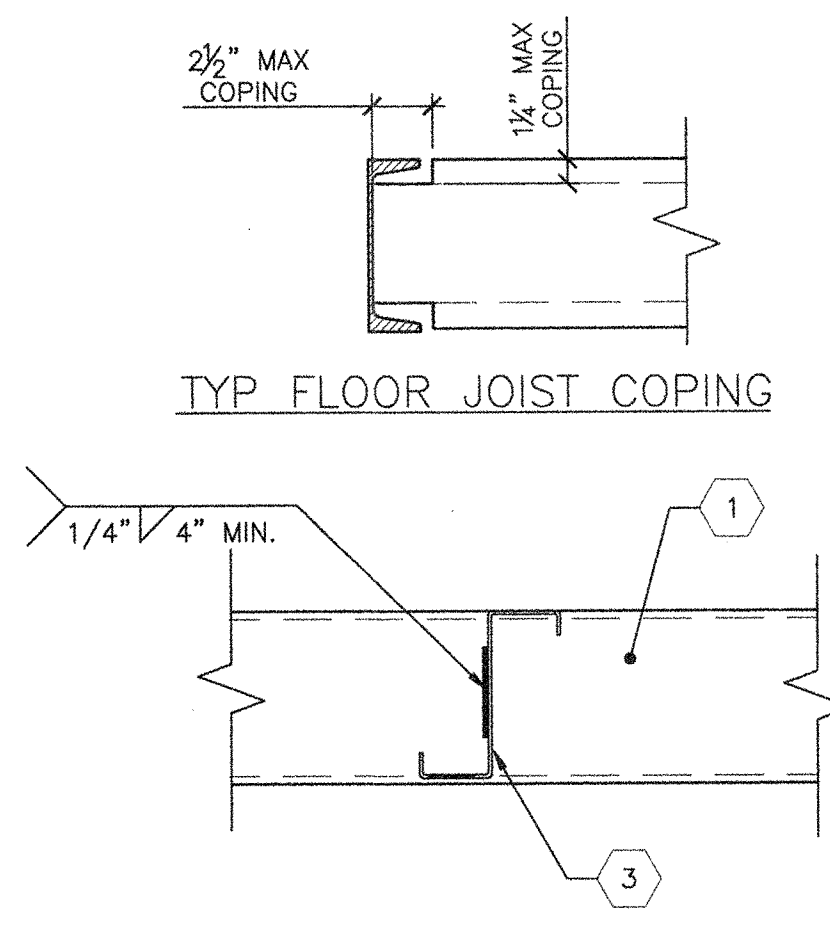
FASTENER SPACING SCHEDULE			
ALL BUILDING SIZES	BOUNDARY #10x2 1/2" TEK SCREW	EDGE ET&F 0.144x2 1/2" POWER DRIVEN PINS	**FIELD ET&F 0.144x2 1/2" POWER DRIVEN PINS
24'x40'	6" O.C.	6" O.C.	12" O.C.
36'x40'	6" O.C.	6" O.C.	12" O.C.
48'x40'	6" O.C.	6" O.C.	12" O.C.
**6" O.C. WHEN FLOOR JOIST ARE SPACED @ 48" O.C.			

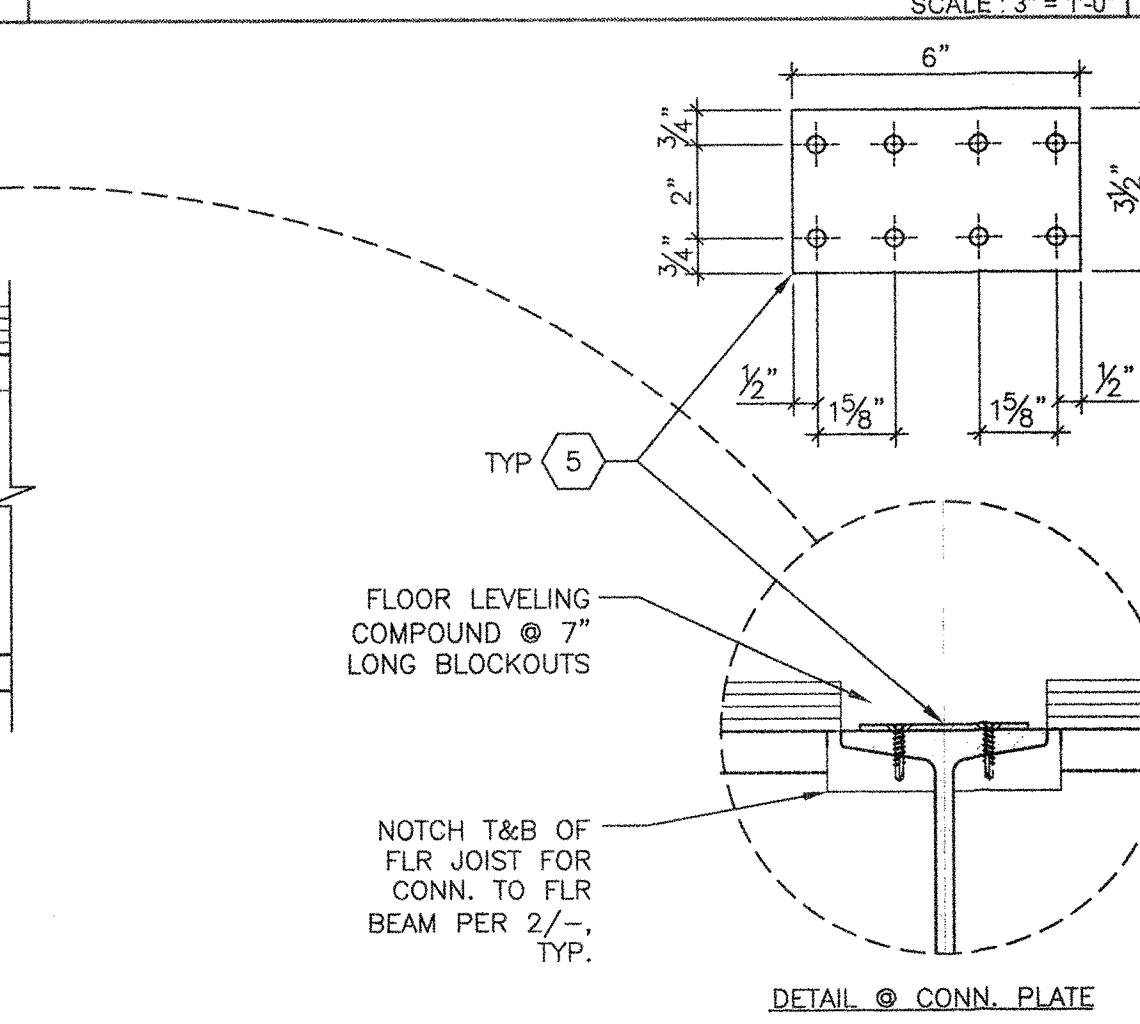
ALTERNATE FASTENER SPACING SCHEDULE			
ALL BUILDING SIZES	BOUNDARY #10x2 1/2" TEK SCREW	EDGE #10x2 1/2" TEK SCREW	**FIELD #10x2 1/2" TEK SCREW
24'x40'	6" O.C.	6" O.C.	12" O.C.
36'x40'	6" O.C.	6" O.C.	12" O.C.
48'x40'	6" O.C.	6" O.C.	12" O.C.
**6" O.C. WHEN FLOOR JOISTS ARE SPACED @ 48" O.C.			

FASTENER SPACING SCHEDULE @ WOOD FOUNDATION

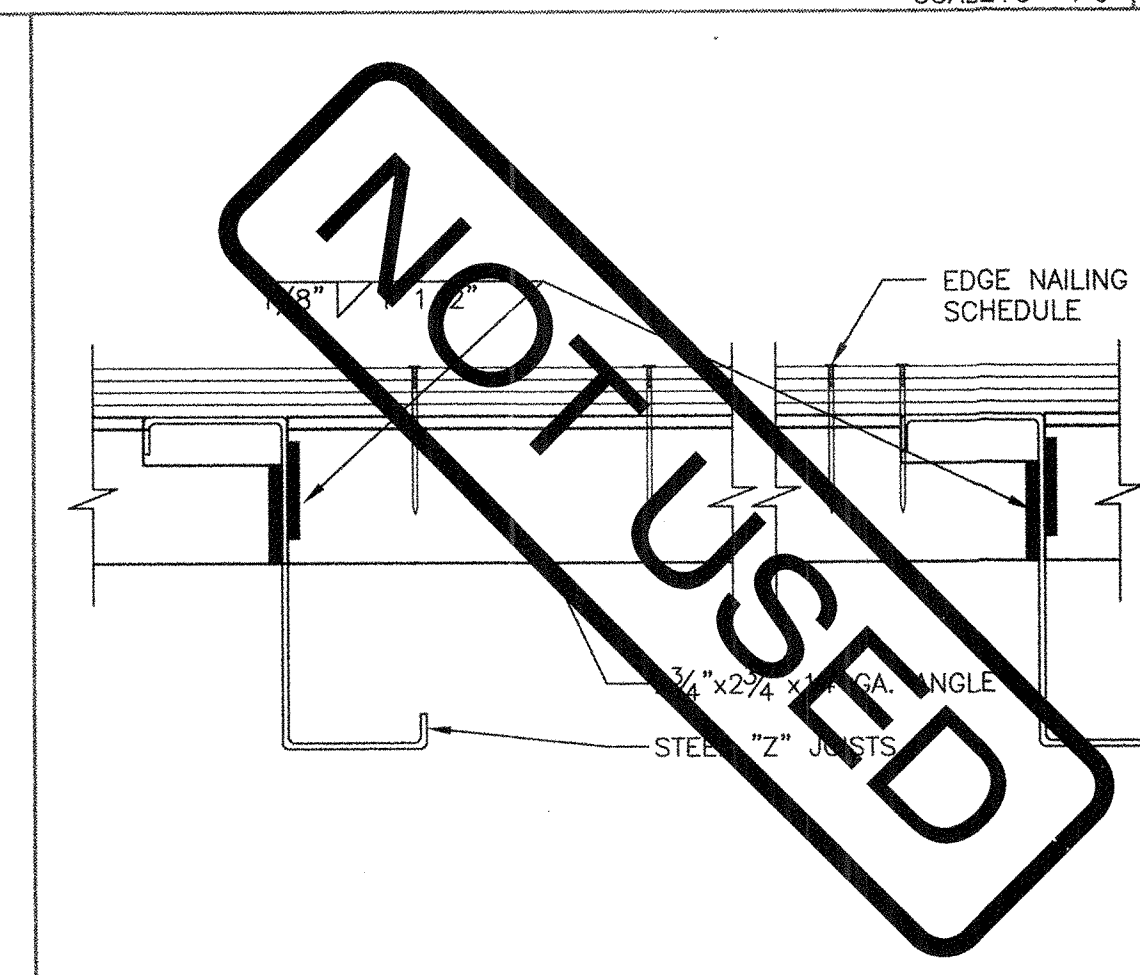
TYP. FLOOR JOIST COPING



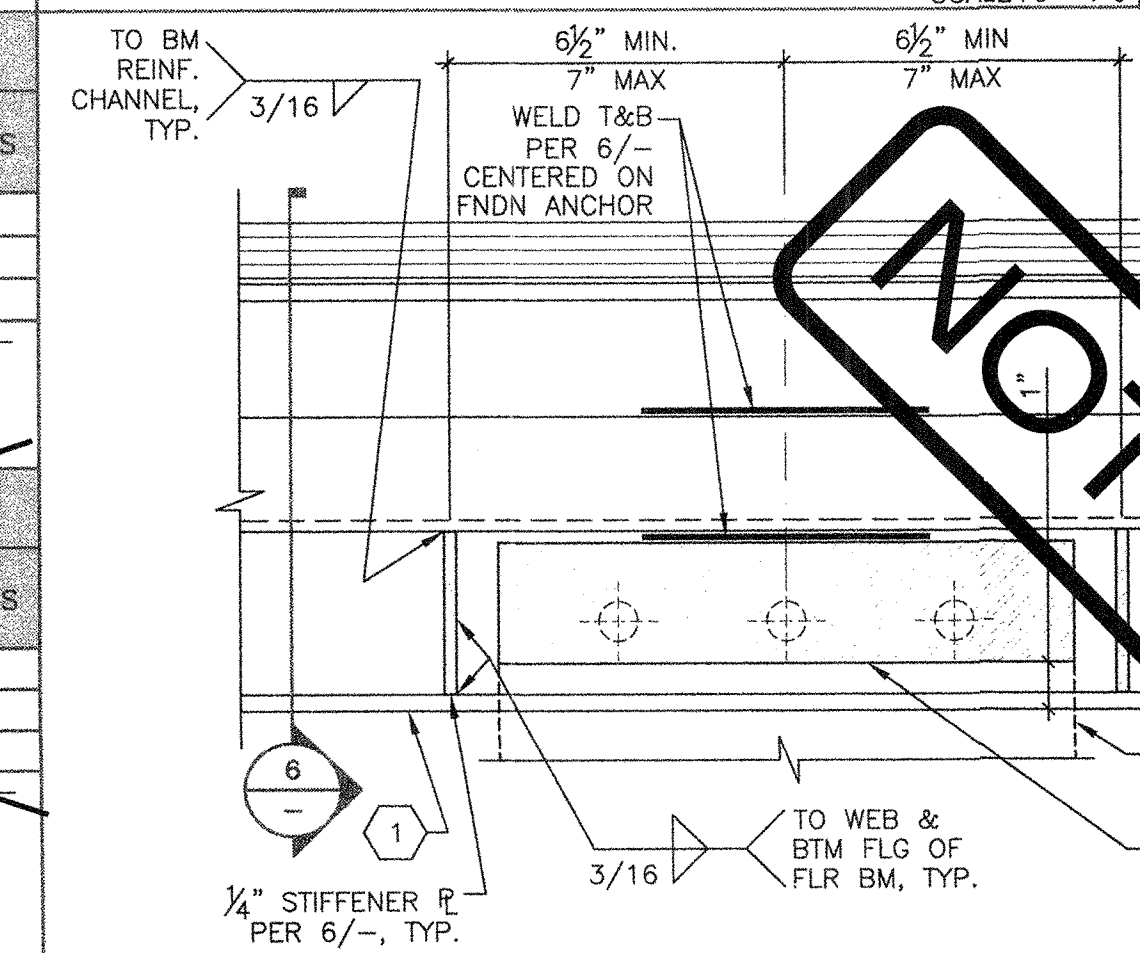
TYP. JOIST ATTACHMENT TO BEAM



TYP. ACCESS HOLE FILLER



TYP. TRANSVERSE FLOOR BEAM REINFORCING



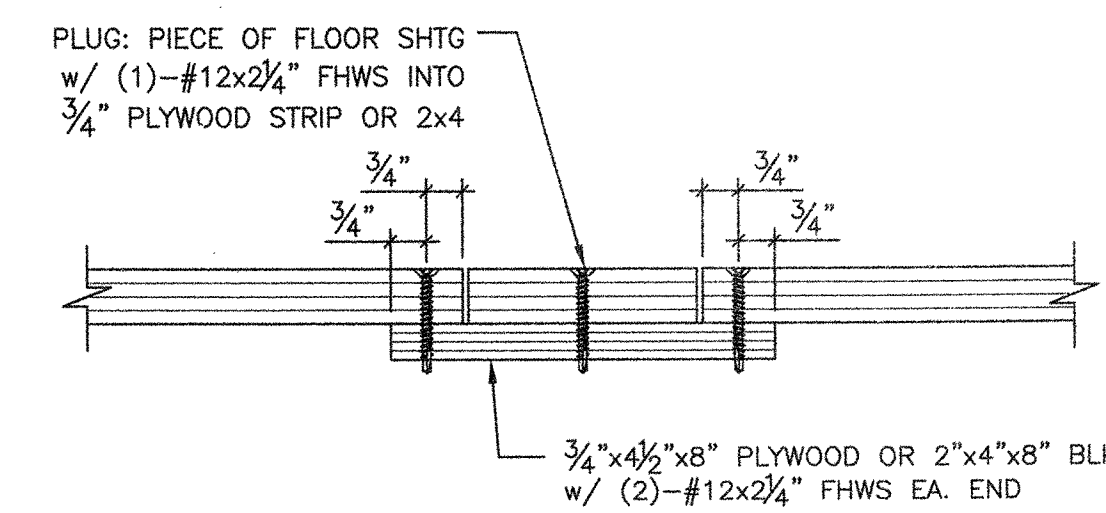
TYP. REINFORCED FLOOR FRAMING @ FOUNDATION ANCHORAGE

- FLOOR BEAM PER SHEET S5.0. USE SINGLE SIZE CHANNEL THROUGHOUT FLOOR SYSTEM.
  - HSS COLUMN PER SHEET S5.0
  - FLOOR JOIST - SEE SCHEDULE
  - 1 1/2" T&G PLYWOOD FLOOR SHGT STURDI-I-FLOOR 48" O.C. SPAN RATING EXP. 1 CONFORMING TO PS 1-09, 2 SPANS MIN. (EXCEPT CENTER PANEL @ MODULE END BAYS WHEN JOIST SPACING IS MORE THAN 24" O.C.) OPTION: UNI-FLOOR BY PITTSBURGH TESTING LAB CONFORMING TO PS 1-09. STAGGER SHEETS 48" O.C. AS SHOWN w/ FACE GRAIN PERPENDICULAR TO FLOOR JOISTS. FASTEN PER SCHEDULES.
  - PLATE 1/2"x3/4"x6" @ 10'-0" O.C. MAX w/ (8) #12-24x1" SHEET METAL SCREWS; SEE DETAIL 3/-.  
ALTERNATE: 1/2"x1 1/2" MB @ 10'-0" O.C. MAX AND 6" MAX FROM EACH END OF MODULE. BOLT @ 1/4" MAX HOLE THRU CHANNELS; SEE DETAIL 3/-.
  - C9x13.4 TRANSVERSE FLOOR BEAM REINFORCING CHANNEL PER DETAIL 7/-.
- NOTE: C9 CHANNEL AND REINFORCING ONLY REQUIRED AT BUILDINGS ON CONCRETE FOUNDATIONS.

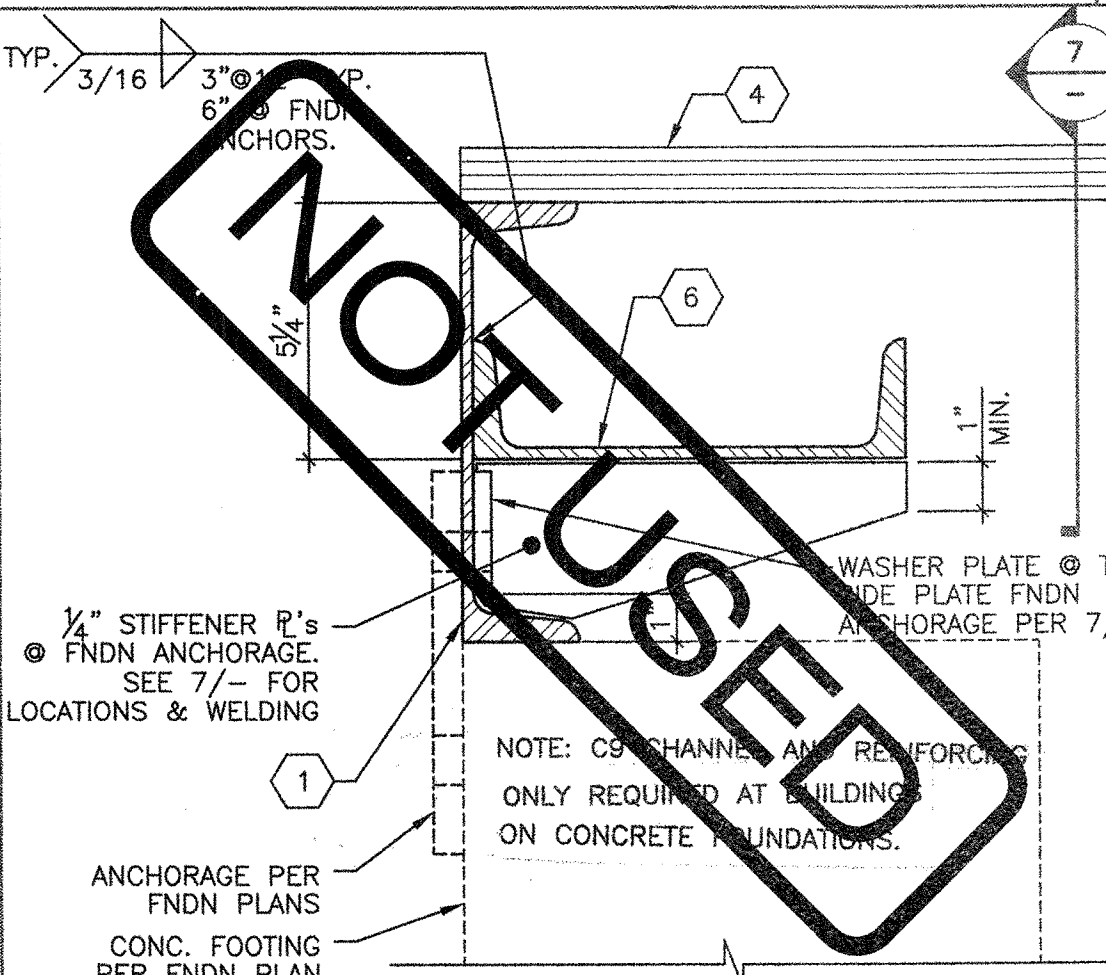
KEY NOTES

- THE LONGITUDINAL FLOOR CHANNEL CONNECTIONS ARE NOMINAL AND ARE NOT REQUIRED STRUCTURALLY AT BUILDINGS ON CONCRETE FOUNDATIONS.
- THE MATERIAL THICKNESS OF LIGHT GAUGE STRUCTURAL MEMBERS, IN THEIR END-USE, SHALL MEET OR EXCEED THE MINIMUM BASE METAL THICKNESS SPECIFIED ON SHEET S0.0. THE MATERIAL GAUGE DESIGNATION IN THE PLAN SHALL BE USED AS REFERENCE ONLY.
- TEKS SCREWS PER ICC ESR-1976.
- ET&F PINS PER IAPMO REPORT ER-335

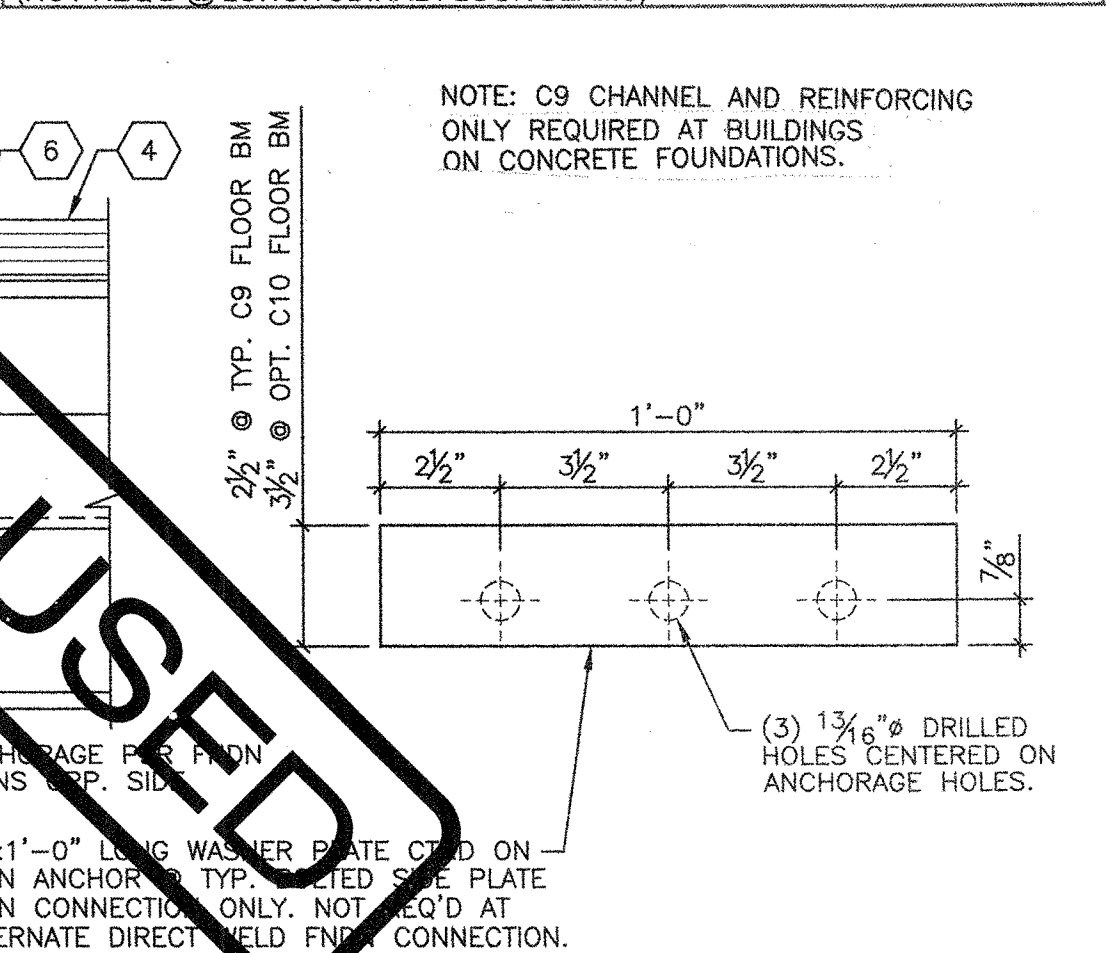
GENERAL NOTES



TYP. ACCESS HOLE FILLER



TYP. TRANSVERSE FLOOR BEAM REINFORCING



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24'x40' THRU 120'x40'  
STANDARD MODULAR  
BUILDINGS

SITE SPECIFIC PROJECT NAME

FLOOR FRAMING PLAN  
& DETAILS FOR  
PLYWOOD FLOOR

MANUFACTURER PROFESSIONAL OF RECORD ON PC

STATE OF CALIFORNIA  
No. C12631  
Ren 2-31-19

STATE OF CALIFORNIA  
No. 53380  
RST18175  
8-20-18

PROJECT SPECIFIC STATE AGENCY APPROVAL

IDENTIFICATION STAMP  
DIV. OF THE STATE ARCHITECT  
02 1118700  
AC [ ] FLS [ ] SS [ ]  
DATE: 8-31-2018

ORIGINAL PC STATE AGENCY APPROVAL

IDENTIFICATION STAMP  
DIV. OF THE STATE ARCHITECT  
PC 02-118700  
AC [ ] FLS [ ] SS [ ]  
DATE: 8-31-2018

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

REVISIONS

DRAWN BY:  
SCALE: AS NOTED  
DATE:

SHEET NUMBER

S3.0





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

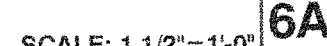
NOTES:

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

### OVERHANG DETAIL



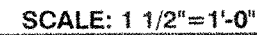
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- NOTE: DO NOT HEAD OFF ROOF PURLINS FOR OPENINGS FOR HVAC/SKYLIGHT FRAMING. ALL ROOF PURLINS SHALL BE CONTINUOUS ACROSS MODULE. LAYOUT OF CONTINUOUS ROOF PURLINS MAY BE ADJUSTED TO ACCOMMODATE HVAC/SKYLIGHT LAYOUT AS LONG AS SPACING DOES NOT EXCEED 48" O.C.

PLACE HVAC/SKYLIGHT OPENINGS TO AVOID INTERRUPTION OF STRAP CROSS-BRACING WHERE OSB/PLYWOOD SHEATHING IS NOT UTILIZED. CROSS-BRACING MAY BE INTERRUPTED ONLY IF OSB/PLYWOOD SHEATHING IS USED.

- ## KEY NOTES

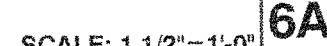


- ## GENERAL NOTES

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

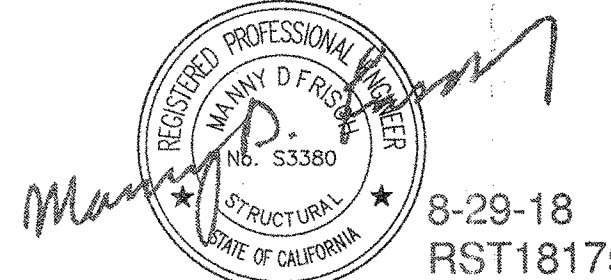


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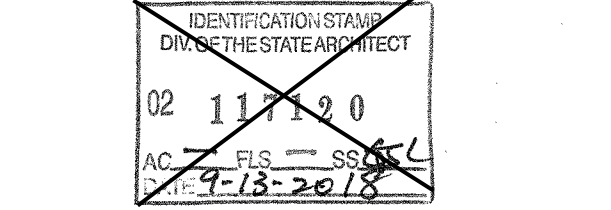
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MANUFACTURER PROFESSIONAL OF RECORD ON PROJECT

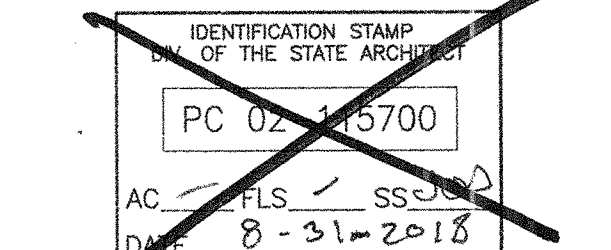


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PROJECT SPECIFIC STATE AGENCY APPROVAL



ORIGINAL PC STATE AGENCY APPROVAL



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

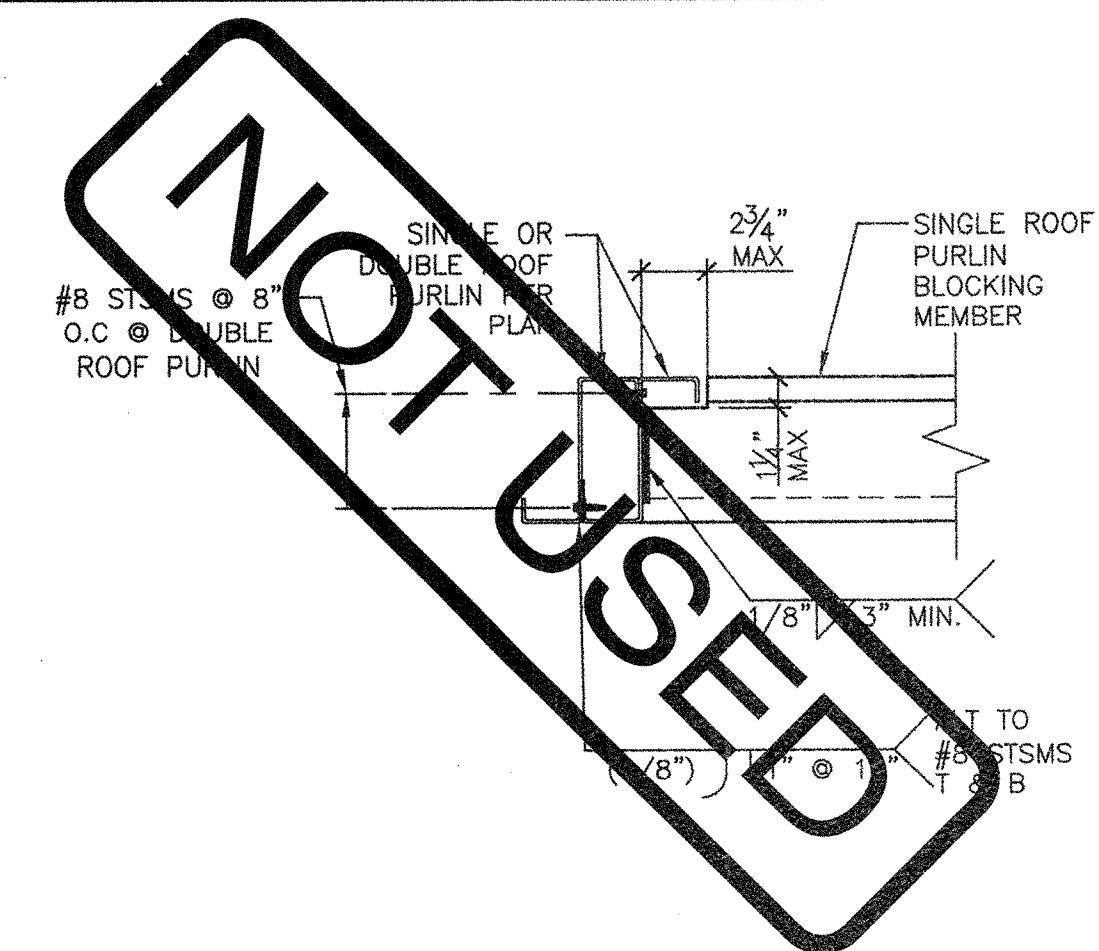
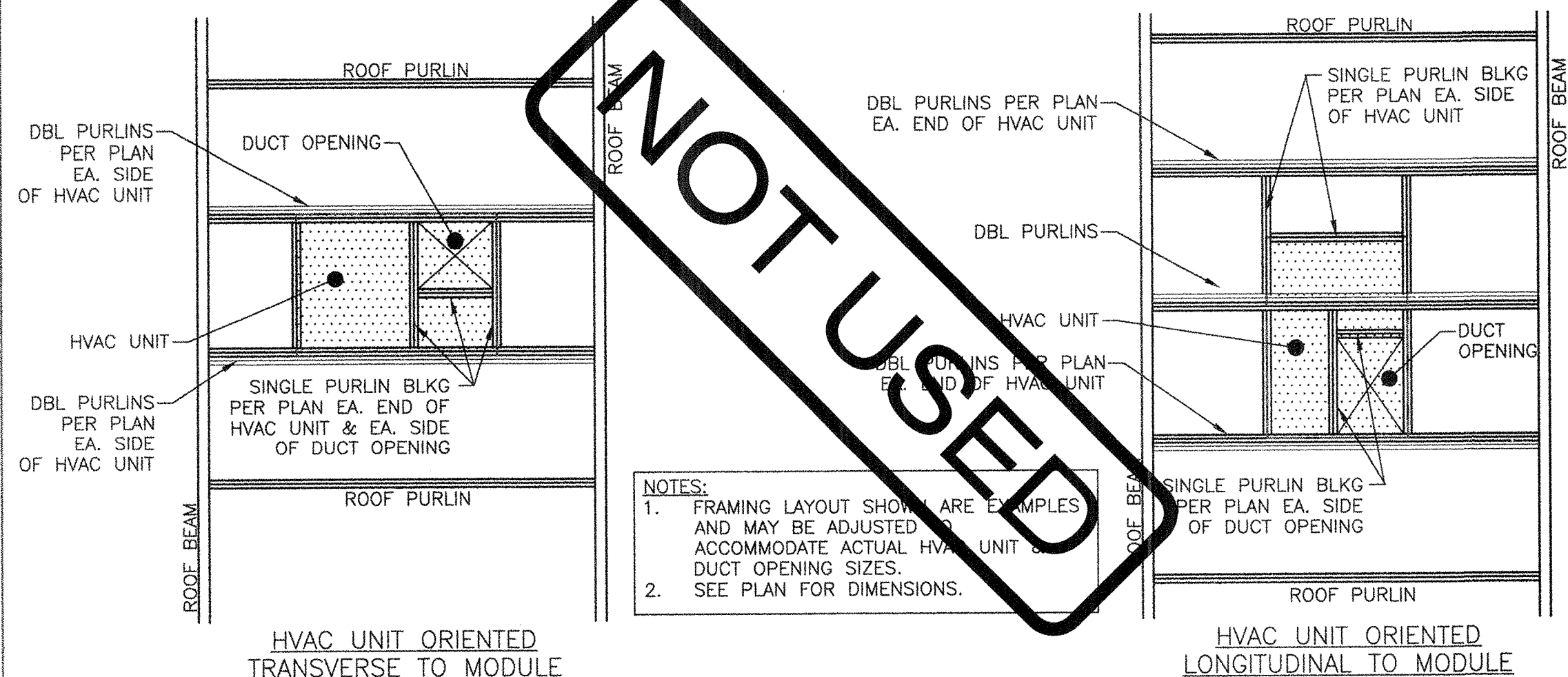
## REVISIONS

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DATE:	.

SHEET NUMBER

# S4.0



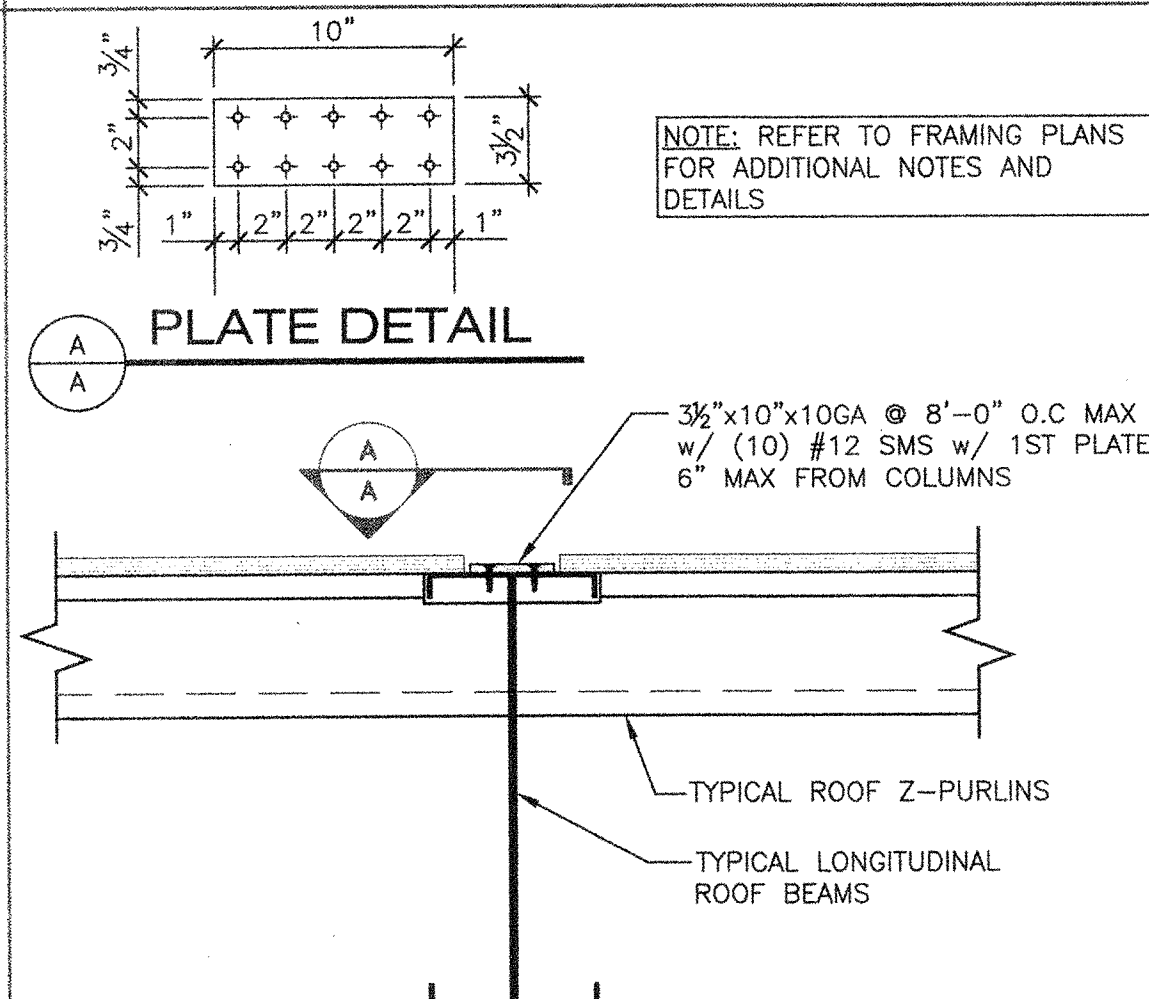


24'x40' THRU 120'x40'  
STANDARD MODULAR  
BUILDINGS

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

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

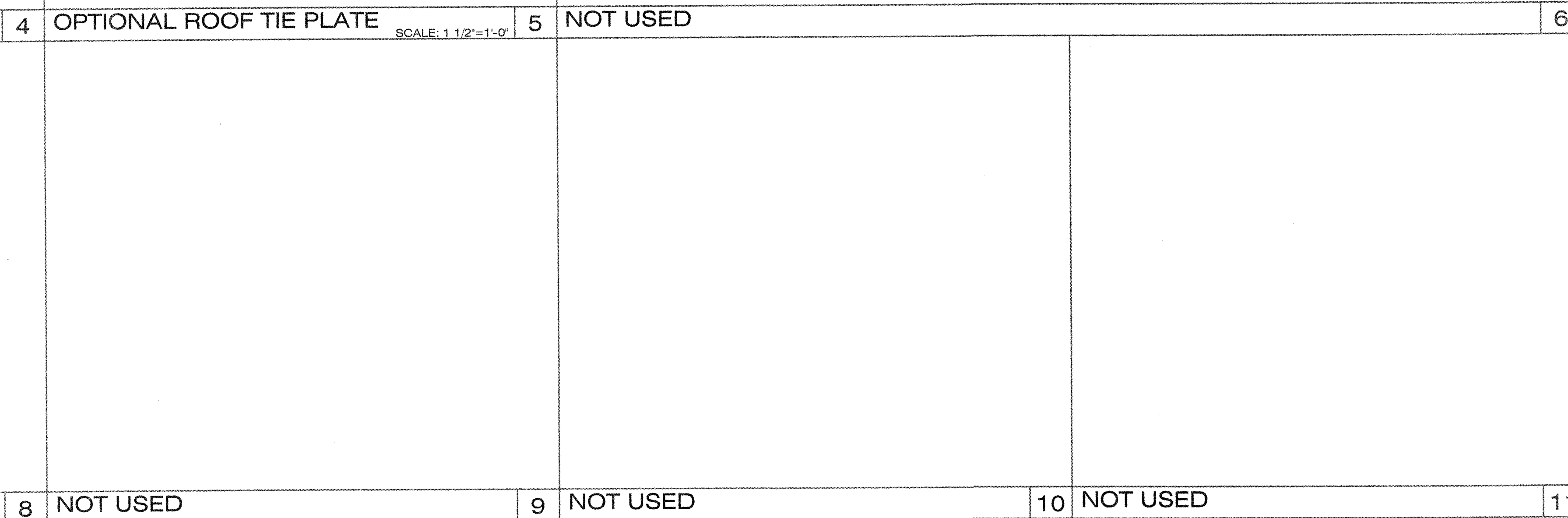
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SCALE: 1 1/2"=1'-0"

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

6



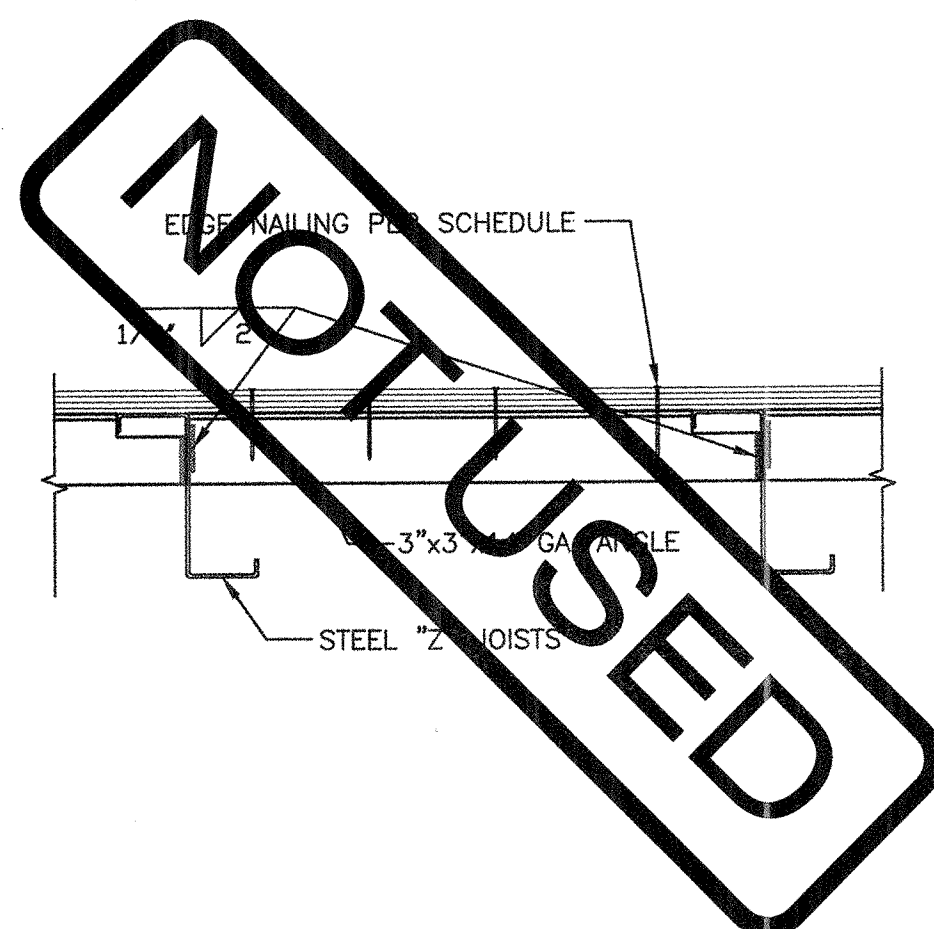
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10	NOT USED
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SCALE: 1 1/2"=1'-0"

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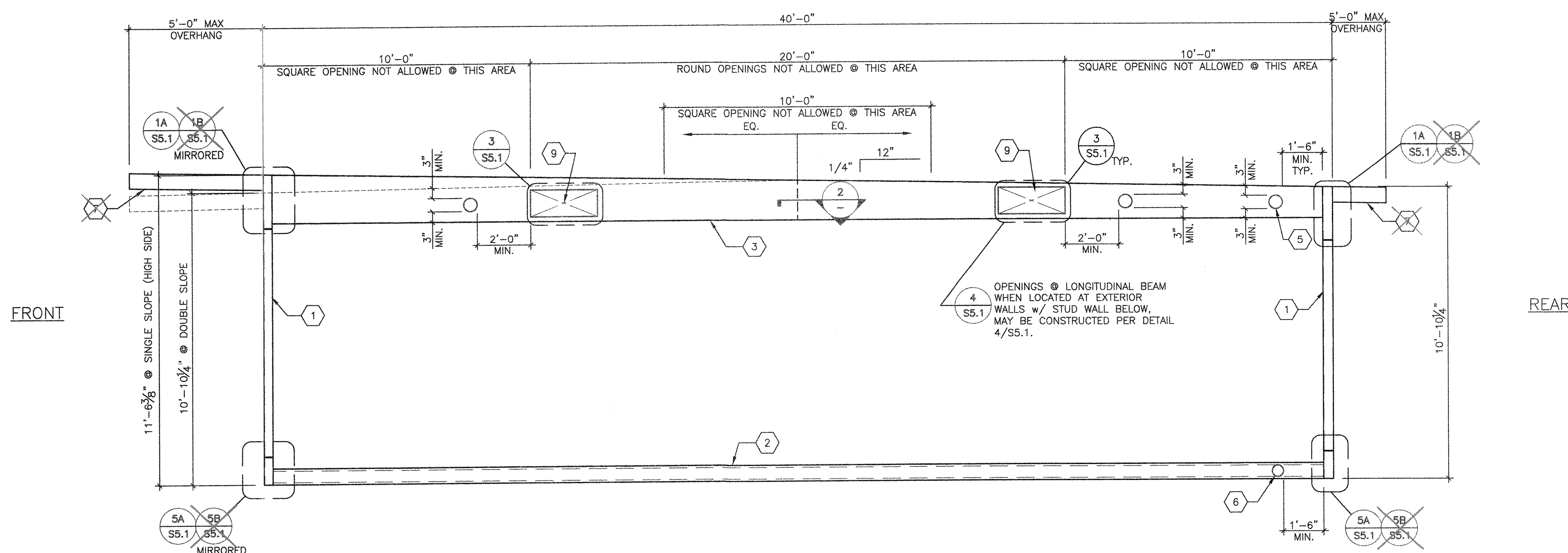
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## GENERAL NOTES

## S4.2

RV-1 PCX29





NOTE:  
'A' SERIES DETAILS (I.E. 5A) COINCIDE WITH "LOW SEISMIC" DETAILS.  
'B' SERIES DETAILS (I.E. 5B) COINCIDE WITH "HIGH SEISMIC" DETAILS.

- 1 HSS COLUMN - SEE SCHEDULE 3/- BELOW
- 2 FLOOR BEAM - SEE SCHEDULE 3/- BELOW
- 3 LONGITUDINAL ROOF BEAM - SEE SCHEDULE 3/- BELOW  
14"-22" @ DOUBLE SLOPE TYPE  
14"-22" @ SINGLE SLOPE TYPE
- 4 TRANSVERSE ROOF BEAM - SEE SCHEDULE BELOW 14" MIN. 22" MAX.
- 5 6" MAX OPENING IN WEB OF FLOOR BEAM WITHOUT WEB REINFORCEMENT MINIMUM SPACING OF HOLES @ 48" O.C., HOLES MAY OCCUR @ ANY LOCATION ALONG LENGTH OF ROOF BEAM EXCEPT AS NOTED OTHERWISE ON FRAMING ELEVATION. - SEE 6/SS.1
- NOTE: IF HOLE IS 3" OR LESS, THEY MAY BE SPACED @ 24" O.C. MINIMUM
- 6 4" MAX OPENING IN WEB OF FLOOR BEAM WITHOUT WEB REINFORCEMENT MINIMUM SPACING OF HOLES @ 48" O.C. HOLES MAY OCCUR @ ANY LOCATION ALONG LENGTH OF FLOOR BEAM WITH DIRECT FOUNDATION SUPPORT BELOW. OPENINGS ARE NOT ALLOWED WHERE BEAMS ARE SPANNING BETWEEN FOUNDATIONS OR ACROSS VENT OPENINGS. - SEE 6/SS.1
- NOTE: IF HOLE IS 2" OR LESS, THEY MAY BE SPACED @ 24" O.C. MINIMUM.
- 7 14 GA. OUTRIGGER CHANNEL (FORMED SOFFIT CEE) AT OPTIONAL ENCLOSED OVERHANGS - REFER TO DETAIL 1A OR 1B/SS.1 & S5.0 FOR PROPERTIES.
- 8 NOT USED
- 9 LONGITUDINAL BEAM OPENING: REFER TO DETAIL 3/SS.1 FOR OPENING REINFORCEMENT (10"x18" MAX OPENING SIZE)
- 10 TRANSVERSE BEAM OPENING: REFER TO DETAIL 4/SS.1 FOR OPENING REINFORCEMENT (10"x30" MAX OPENING SIZE)

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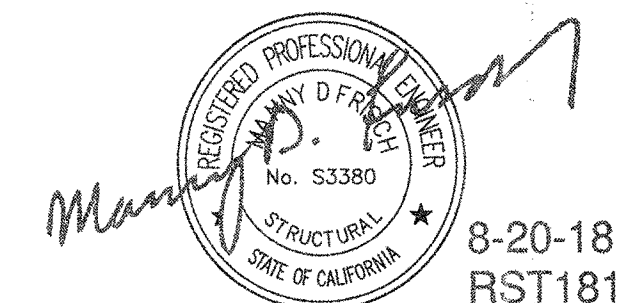
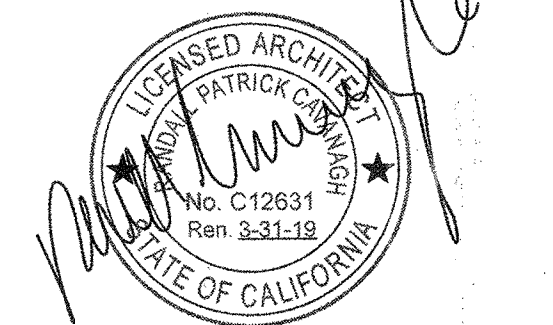
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STANDARD MODULAR  
BUILDINGS

SITE SPECIFIC PROJECT NAME

SHEET TITLE

MOMENT FRAME  
ELEVATIONS & DETAILS

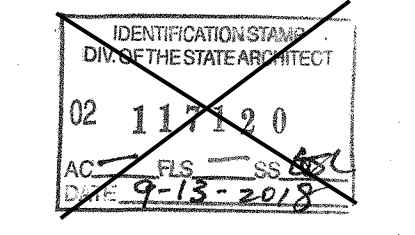
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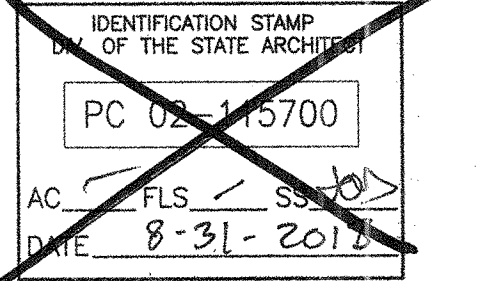
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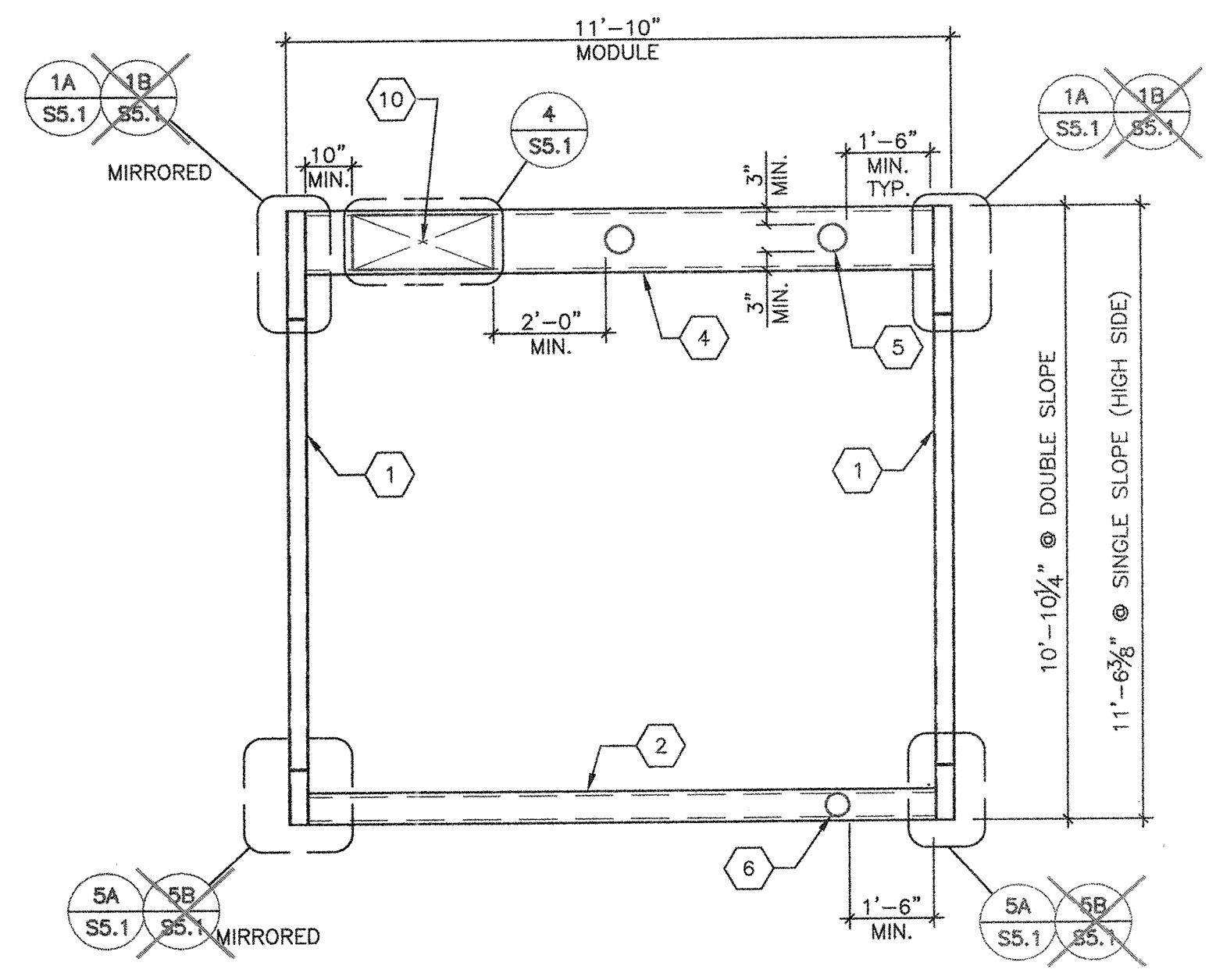
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S5.0

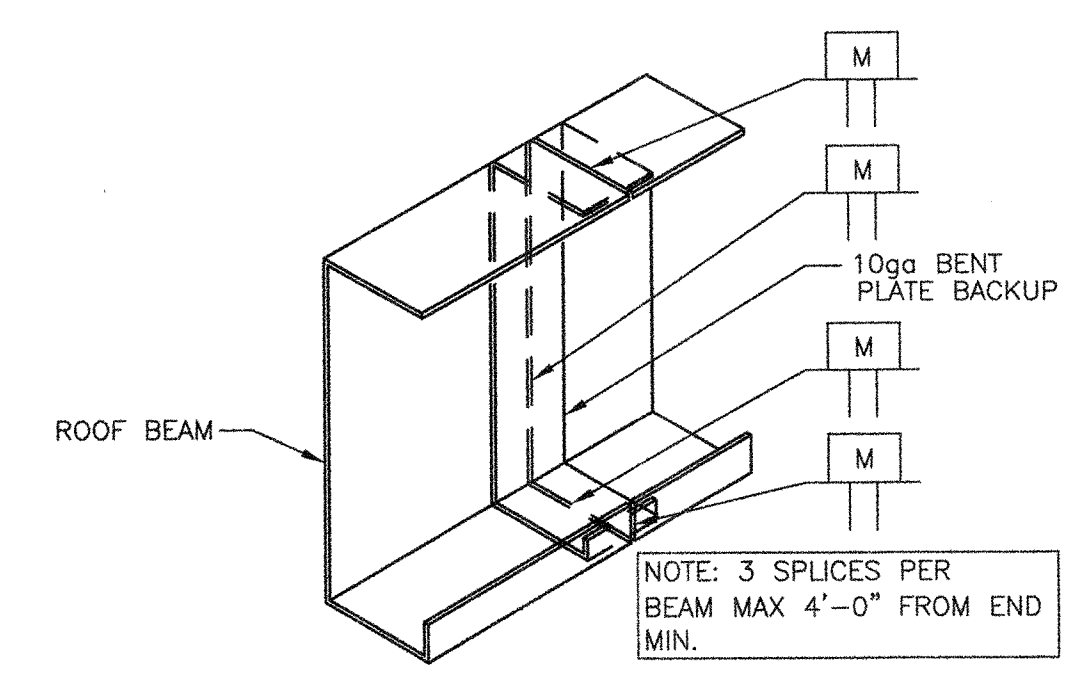
TYPICAL LONGITUDINAL FRAME ELEVATION

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



NOTE:  
'A' SERIES DETAILS (I.E. 5A) COINCIDE WITH "LOW SEISMIC" DETAILS.  
'B' SERIES DETAILS (I.E. 5B) COINCIDE WITH "HIGH SEISMIC" DETAILS.

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



TYPICAL BEAM SLICE

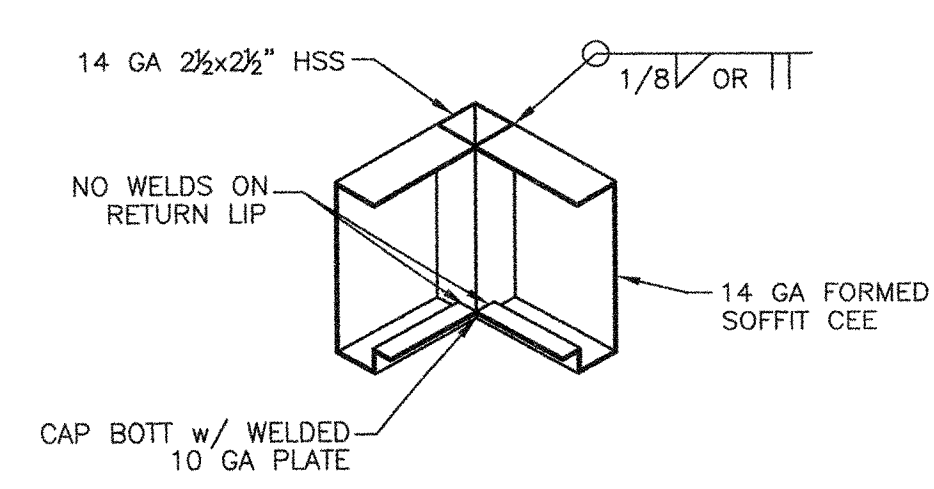
SCALE: 1 1/2"=1'-0" 2

FRAME MEMBER SCHEDULE - (LOW SEISMIC)

3A

FLOOR BEAMS		ALT. FLOOR BEAMS		COLUMNS	LONGITUDINAL ROOF CHANNEL	TRANSVERSE ROOF CHANNEL
PLYWOOD FLOOR	CONCRETE FLOOR	PLYWOOD FLOOR	CONCRETE FLOOR			
C7x9.8	C9x13.4 (36 KSI)	C9x13.4 (36 KSI) OPTIONAL: C10x15.3	C10x15.3	HSS 4x4x3/8	10 GA.	12 GA.

NOTE: SEE ALL SECTION PROPERTIES ON SHEET S0.0



OVERHANG CORNER DETAIL

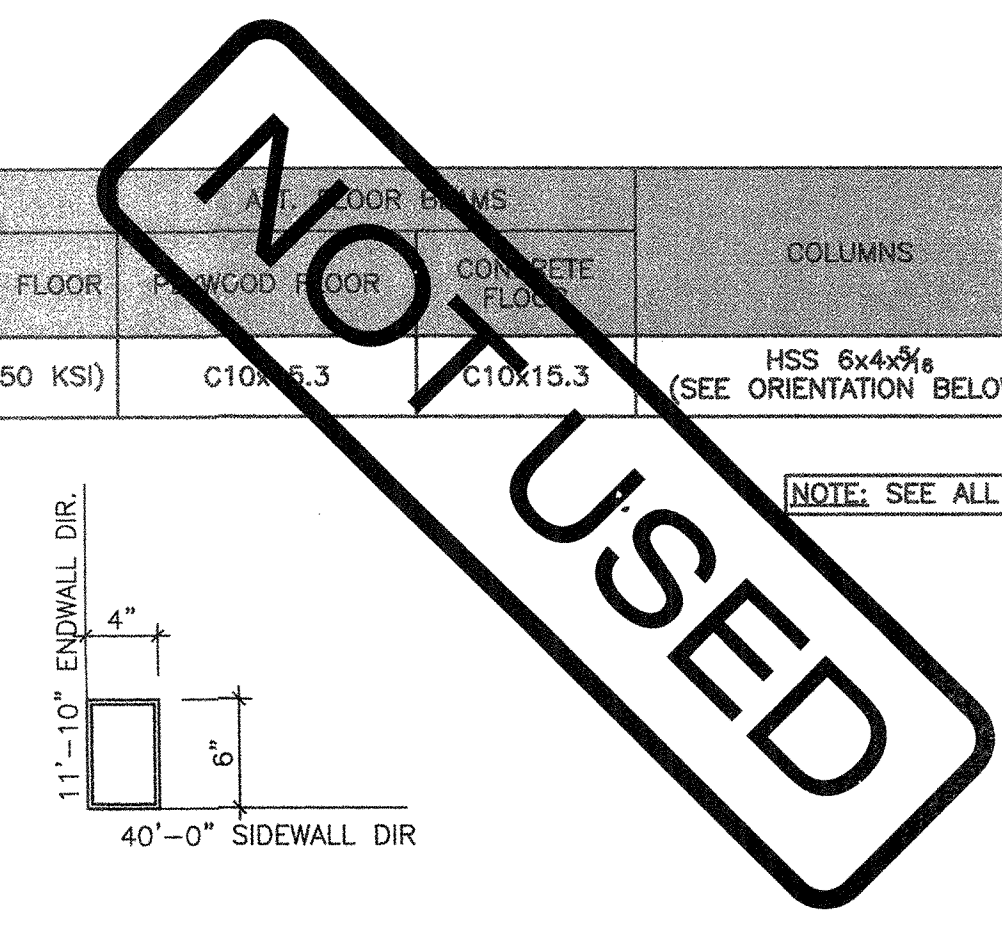
SCALE: 1 1/2"=1'-0" 5

FRAME MEMBER SCHEDULE - (HIGH SEISMIC)

3B

TYPICAL TRANSVERSE FRAME ELEVATION

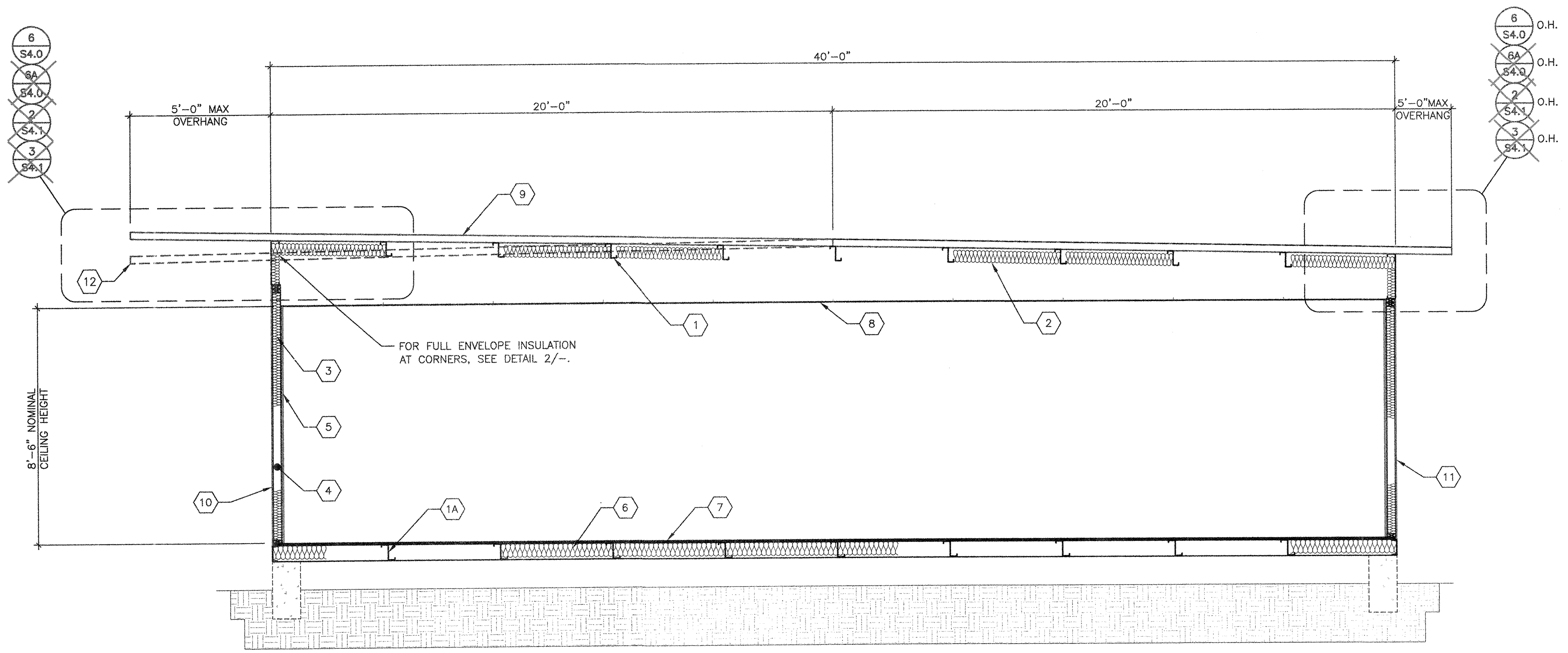
SCALE: 3/8"=1'-0" 4











- 1 "Z" PURLINS @ 48" O.C. PER ROOF FRAMING PLAN
- 1A STEEL "Z" FLOOR JOISTS PER FLOOR FRAMING PLAN
- 2 R-19 INSULATION w/ 22 GA WIRE @ 16" O.C.
- 3 INSULATION w/ KRAFT PAPER
- 4 WALL STUDS PER SHEETS S8.0 & S9.0.
- 5 VINYL FABRIC OVER TACKABLE BRACING PANELS.
- 6 INSULATION w/ KRAFT PAPER AND CHICKEN WIRE.
- 7 PLYWOOD OR CONCRETE FLOOR PER SHEETS S3.0, S3.1, S3.2, & S3.3.
- 8 SUSPENDED T-BAR CEILING PER M1.0
- 8A NOT USED
- 9 FINISHED ROOFING PER ROOF PLAN & ROOF FRAMING PLAN
- 10 TYPICAL SHEATHING NAILING .131x2 1/4" GALV. @ 6" O.C. PANEL EDGES (ALL EDGES BLOCKED) .131x2 1/4" GALV. @ 12" O.C. FIELD.
- 11 EXTERIOR WALL FINISH PER EXTERIOR ELEVATIONS.
- 12 ALTERNATE DUAL PITCH.

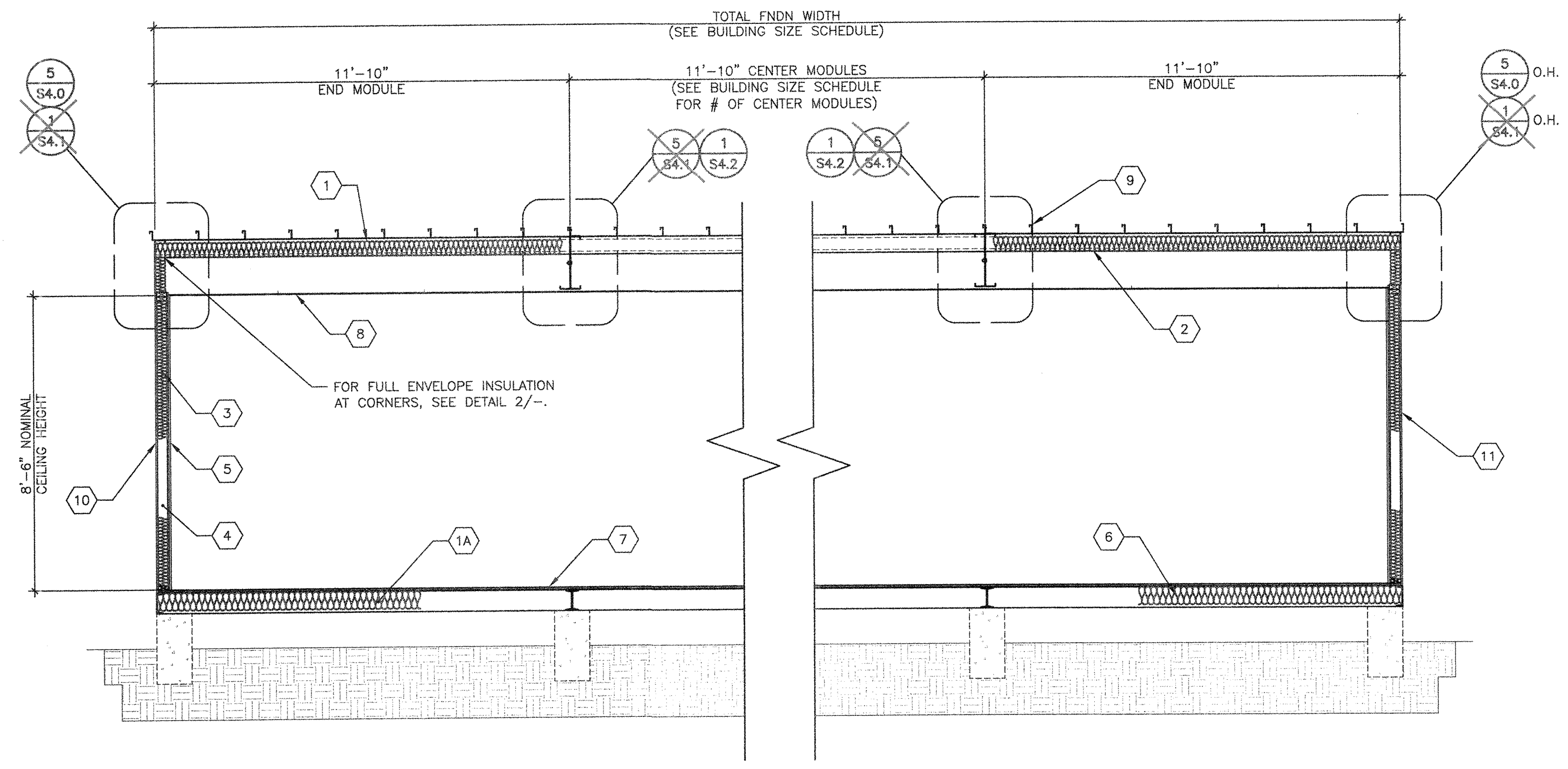
KEY NOTES

BUILDING SIZE SCHEDULE			
BUILDING SIZE (FT)	TOTAL # OF 12'-0" WIDE MODULES	TOTAL # OF CENTER MODULES	TOTAL FNDN WIDTH
<input checked="" type="checkbox"/> 24'x40'	2	0	23'-6 1/2"
<input type="checkbox"/> 36'x40'	3	1	35'-6 1/2"
<input type="checkbox"/> 48'x40'	4	2	47'-6"
<input type="checkbox"/> 60'x40'	5	3	59'-3 1/2"
<input type="checkbox"/> 72'x40'	6	4	71'-1 1/2"
<input type="checkbox"/> 84'x40'	7	5	82'-11 1/4"
<input type="checkbox"/> 96'x40'	8	6	94'-10"
<input type="checkbox"/> 108'x40'	9	7	106'-8 1/4"
<input type="checkbox"/> 120'x40'	10	8	118'-6 1/2"

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

TYP. LONGITUDINAL SECTION-MONO/DUAL PITCH

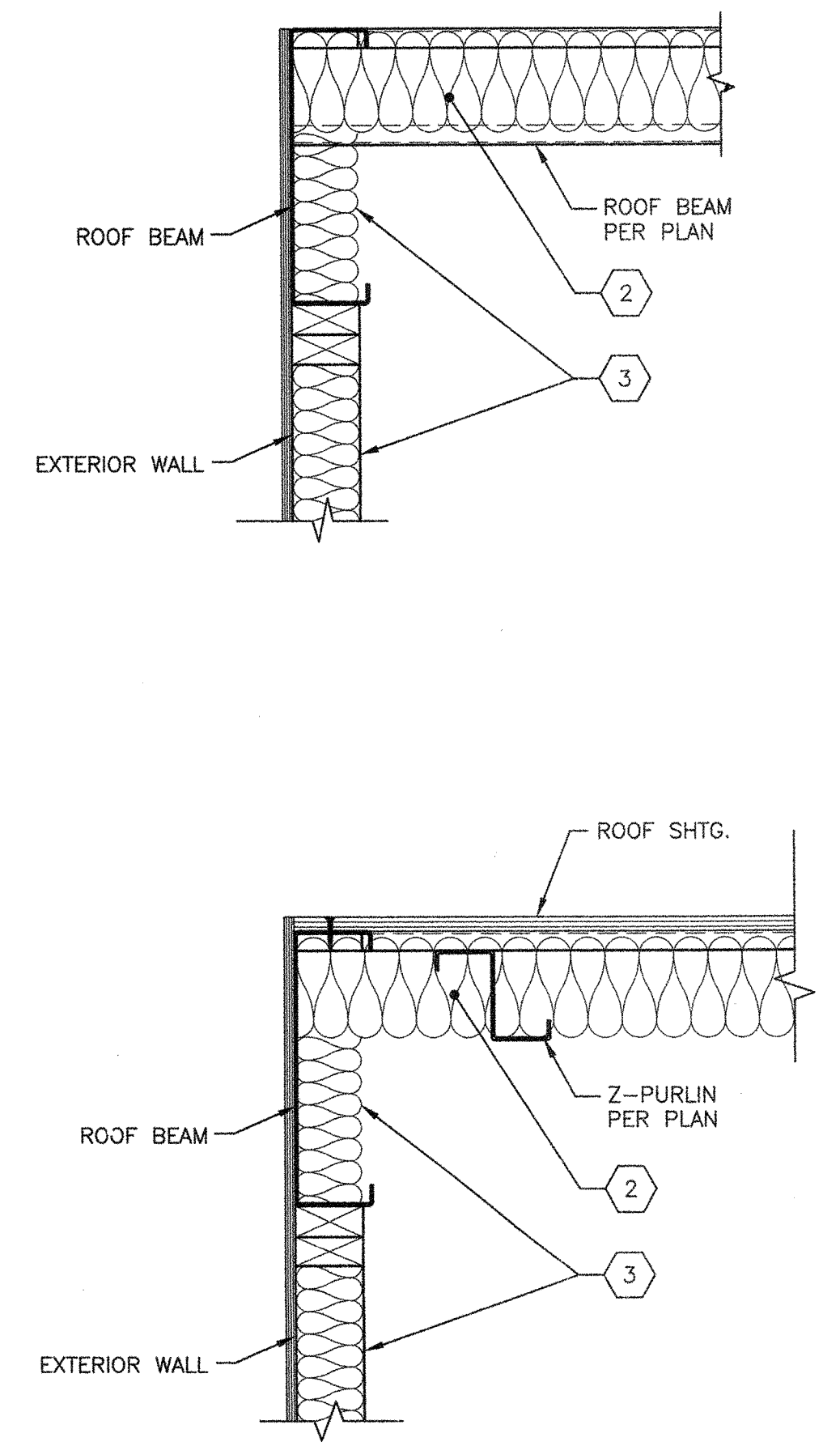
SCALE: 3/8"=1'-0"



TYP. TRANSVERSE SECTION-MONO/DUAL PITCH

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

BUILDING SIZE SCHEDULE



INSULATION CORNER DET.

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

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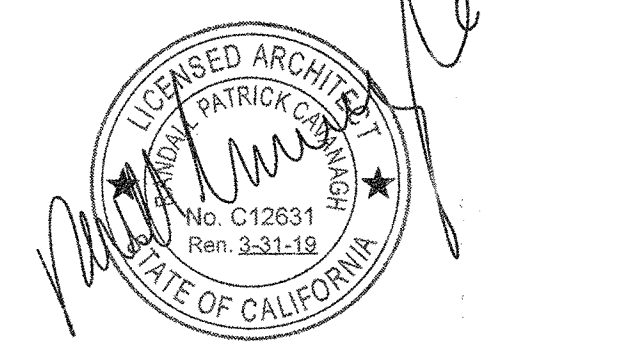
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STANDARD MODULAR  
BUILDINGS

SITE SPECIFIC PROJECT NAME

SHEET TITLE

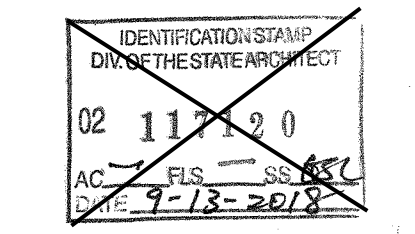
TYPICAL LONGITUDINAL  
AND TRANSVERSE  
FRAME SECTIONS

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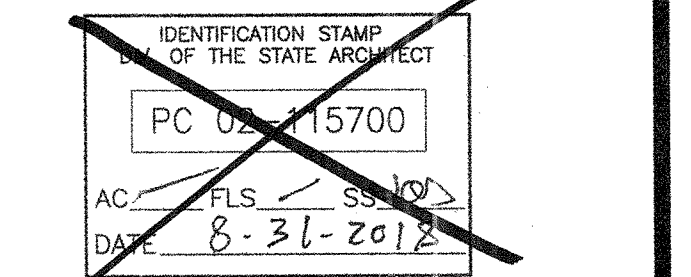


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CODE: 2016 CBC  
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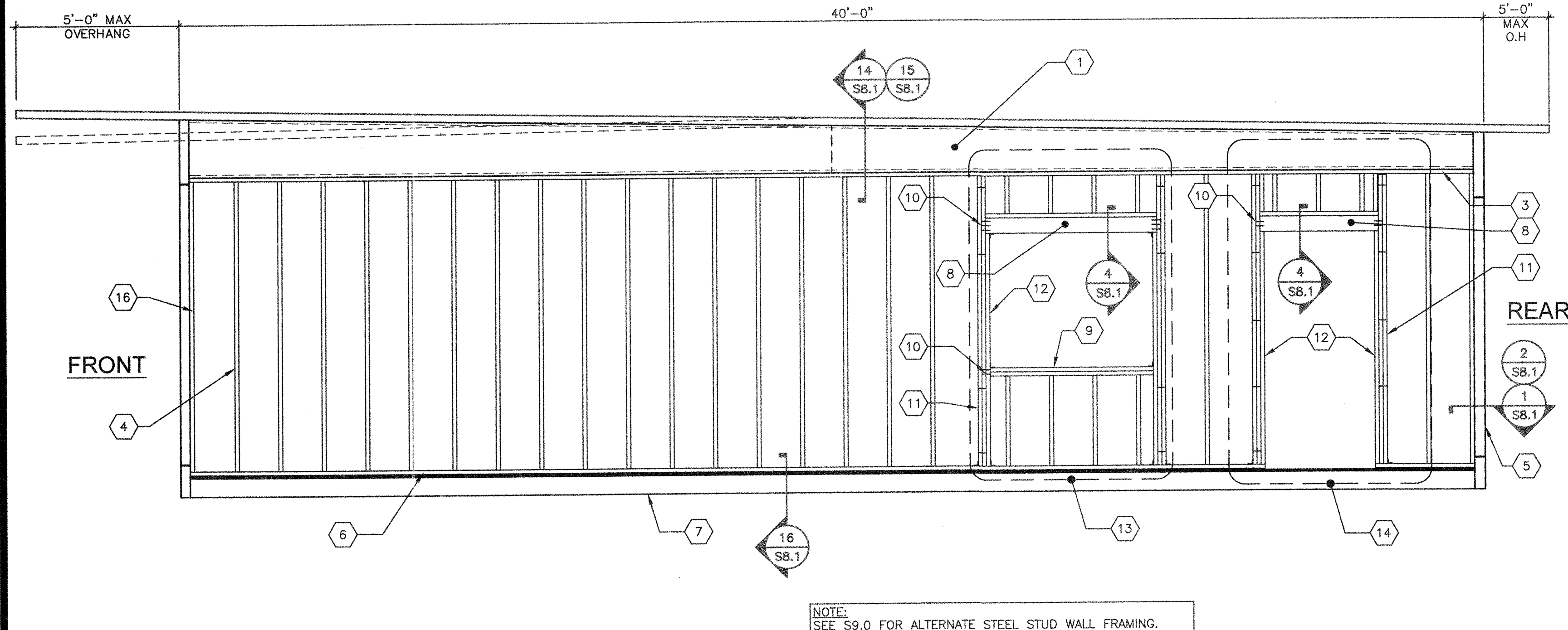
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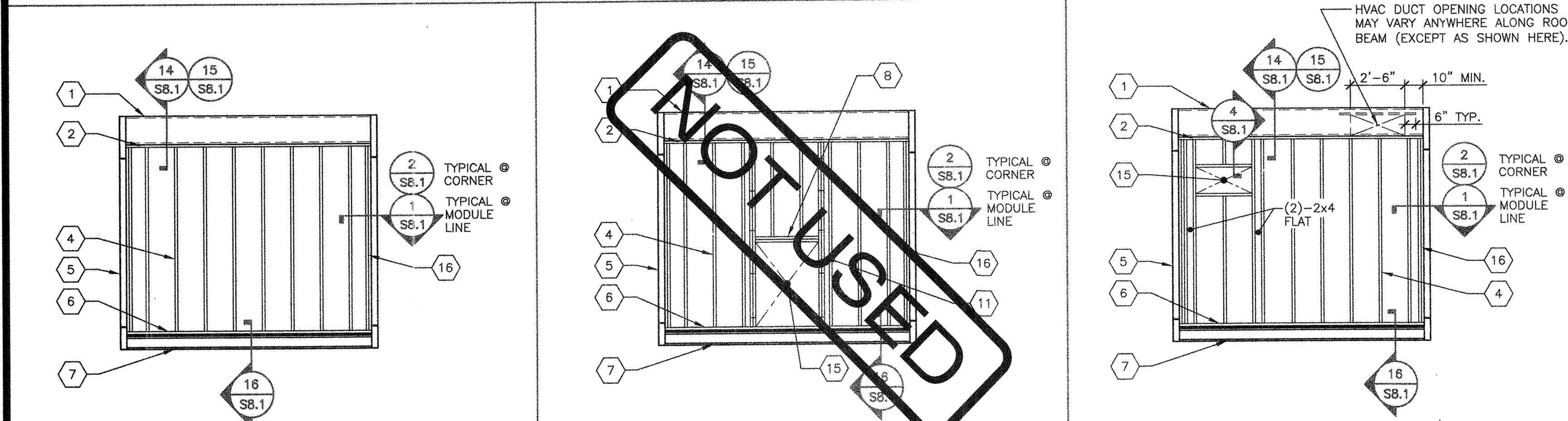
- 1 ROOF BEAM PER SHEET S5.0.
- 2 2x4 PLATE, NO SPLICE
- 3 2x4 PLATE
- 4 2x4 STUDS SPACED PER SCHEDULE w/ (3) 0.131"x3" END NAILS OR (4) 0.131"x3" TOE NAILS T&B TO PLATES, TYP.
- 5 HSS COLUMN PER SHEET S5.0
- 6 2x4 BOTTOM PLATE P.T. @ CONCRETE FLOORS
- 7 PERIMETER FLOOR BEAM PER SHEET S5.0
- 8 HEADER PER SCHEDULE AND DETAIL 4/SB.1
- 9 WINDOW SILL PER SCHEDULE
- 10 END NAILS THRU KING STUD TO HEADER OR SILL PER SCHEDULE
- 11 KING STUDS PER SCHEDULE
- 12 2x4 TRIMMER
- 13 OPTIONAL WINDOW OPENING FRAMING PER SCHEDULE (REFER TO 4/- FOR DETAILS AND FLOOR PLANS FOR LOCATIONS)
- 14 OPTIONAL DOOR OPENING FRAMING PER SCHEDULE (REFER TO 5/- FOR DETAILS AND FLOOR PLANS FOR LOCATIONS)
- 15 HVAC OPENING @ EXTERIOR WALL (600# MAX. WT.)
- 16 2x NAILER

KEY NOTES

EXTERIOR WALL SCHEDULE					
FINISH TYPE	FOUNDATION TYPE	WALL FINISH COMMENTS	STUD TYPE	STUD SPACING TYPICAL	STUD SPACING @ CORNERS
3/4" PLYWOOD SHEATHING 303 CONFORMING TO PS1-09. VERTICAL GROOVES @ 8" O.C.	WOOD OR CONCRETE	WALL FINISH PER A5.0 & A5.1; JOINT DETAIL PER 12/SB.1; NAILING PER BLDG SECTIONS <sup>3</sup> (MAY INCLUDE METAL "S" WAVE PANELS PER DETAILS 1-3/A7.0)	HEM FIR #2	16" O.C. MAX	16" O.C. MAX
1/2" HARDI-BOARD w/ SYNTHETIC STUCCO OR 3/8" HARDI-LAP SIDING	WOOD OR CONCRETE	WALL FINISH PER A5.4 & A5.5 OR (MAY INCLUDE TILE/BRICK VENEER PER A7.0)	HEM FIR #2	16" O.C. MAX	16" O.C. MAX
3/4" PLYWOOD SHEATHING CONFORMING TO PS1-95, APA RATED, 5 PLY 32/16", OR 1/2" OSB PANELS EXPOSURE 1 w/ 3/4" STUCCO	CONCRETE ONLY	WALL FINISH PER A5.2 & A5.3; NAILING PER BLDG SECTIONS <sup>3</sup> (MAY INCLUDE TILE/BRICK VENEER PER A7.0)	HEM FIR #2	16" O.C. MAX	16" O.C. MAX

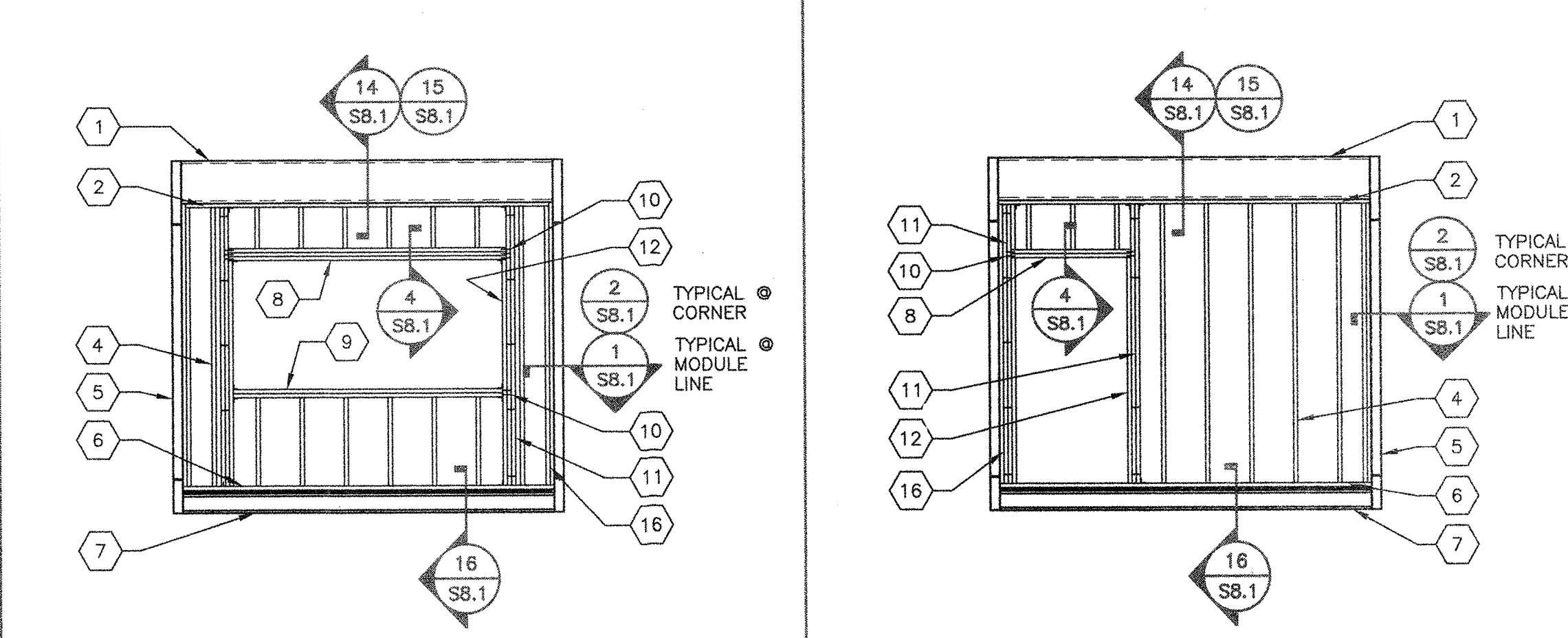
- FOOTNOTES
- ALL NAILS IN EXTERIOR APPLICATIONS SHALL BE GALVANIZED.
  - BUILDING CORNERS ARE DEFINED AS A DISTANCE OF 4 FEET IN BOTH DIRECTIONS FROM EACH CORNER OF THE BUILDING.
  - TYPICAL PLYWOOD NAILING WHERE OCCURS: 0.131"x2 1/4" GALV. NAILS @ 6" O.C. E.N. & 12" O.C. F.N. (ALL EDGES BLOCKED).

TYPICAL SIDE WALL FRAMING (MONO/DUAL PITCH)



TYP. END WALL FRAMING w/ NO OPENINGS SCALE: 1/4"=1'-0" 1  
TYP. END WALL FRAMING w/ INDOOR HVAC UNIT (OPTIONAL) SCALE: 1/4"=1'-0" 2  
TYP. END WALL FRAMING w/ WALL HUNG HVAC UNIT (OPTIONAL) SCALE: 1/4"=1'-0" 3

EXTERIOR WALL FINISH/WALL STUD SCHEDULE



TYPICAL END WALL FRAMING WINDOW SCALE: 1/4"=1'-0" 4  
TYPICAL END WALL FRAMING w/ DOOR SCALE: 1/4"=1'-0" 5

DOOR/WINDOW OPENINGS AT TYPICAL NON-STUCCO WALLS @ BLDG CORNERS <sup>3</sup>						
OPENING SIZE	HEADER	WINDOW SILL <sup>2</sup> (AS APPLICABLE)	JAMB/KING STUDS <sup>1</sup>	JAMB/KING STUD INTERNALING SPACING w/ 0.131"x3" NAILS, STAGGERED	HEADER TO KING STUD NAILS	WINDOW SILL TO KING STUD NAILS
>8'-0" TO 10'-0"	(4) 2x4	(4) 2x4	4	20" O.C. MAX	6	5
>6'-0" TO 8'-0"	(3) 2x4	(3) 2x4	3	20" O.C. MAX	5	4
>3'-0" TO 6'-0"	(2) 2x4	(2) 2x4	3	20" O.C. MAX	5	3
3'-0" OR LESS	(2) 2x4	(2) 2x4	2	20" O.C. MAX	3	3

DOOR/WINDOW OPENINGS AT TYPICAL STUCCO WALLS @ BLDG CORNERS <sup>3</sup>						
OPENING SIZE	HEADER	WINDOW SILL <sup>2</sup> (AS APPLICABLE)	JAMB/KING STUDS <sup>1</sup>	JAMB/KING STUD INTERNALING SPACING w/ 0.131"x3" NAILS, STAGGERED	HEADER TO KING STUD NAILS	WINDOW SILL TO KING STUD NAILS
>8'-1" TO 10'-0"	(5) 2x4	(5) 2x4	6	16" O.C. MAX	6	6
>6'-1" TO 8'-0"	(3) 2x4	(3) 2x4	5	16" O.C. MAX	5	4
>3'-1" TO 6'-0"	(2) 2x4	(2) 2x4	4	16" O.C. MAX	5	3
3'-0" OR LESS	(2) 2x4	(2) 2x4	3	16" O.C. MAX	3	3

- FOOTNOTES
- PROVIDE (2) SIMPSON A34 T&B OF KING STUDS TO PLATES FOR OPENINGS GREATER THAN 3'-0". PROVIDE (1) SIMPSON A34 T&B OF KING STUDS TO PLATES FOR OPENINGS 3'-0" OR LESS.
  - WHEN MORE THAN A SINGLE SILL PLATE IS REQUIRED, INTERNALING w/ 0.131"x3" NAILS @ 12" O.C. STAGGERED.
  - BUILDING CORNERS ARE DEFINED AS A DISTANCE OF 4 FEET IN BOTH DIRECTIONS FROM EACH CORNER OF THE BUILDING.

OPENING SCHEDULE

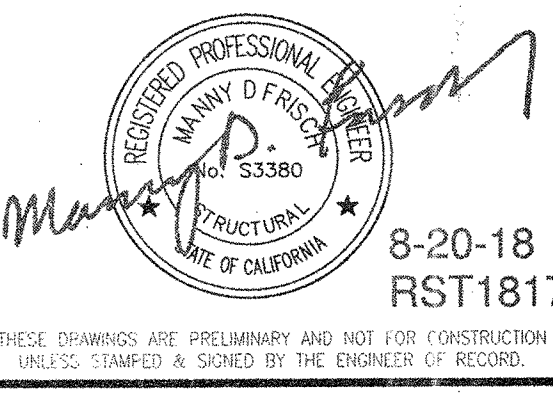
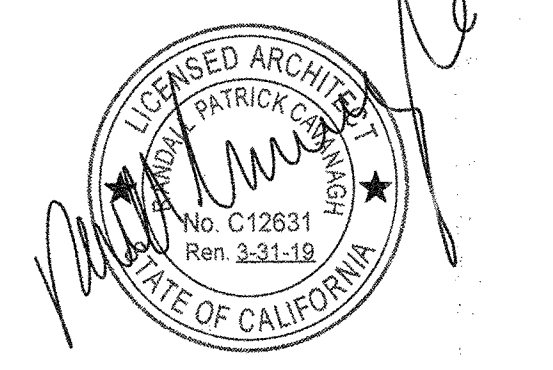
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24'x40' THRU 120'x40'  
STANDARD MODULAR  
BUILDINGS

SITE SPECIFIC PROJECT NAME

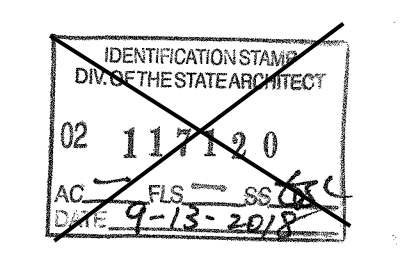
WALL FRAMING  
ELEVATIONS & SCHEDULES  
- WOOD STUDS

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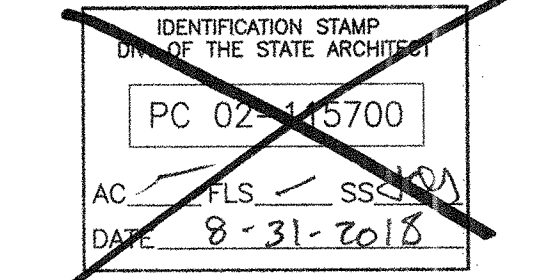


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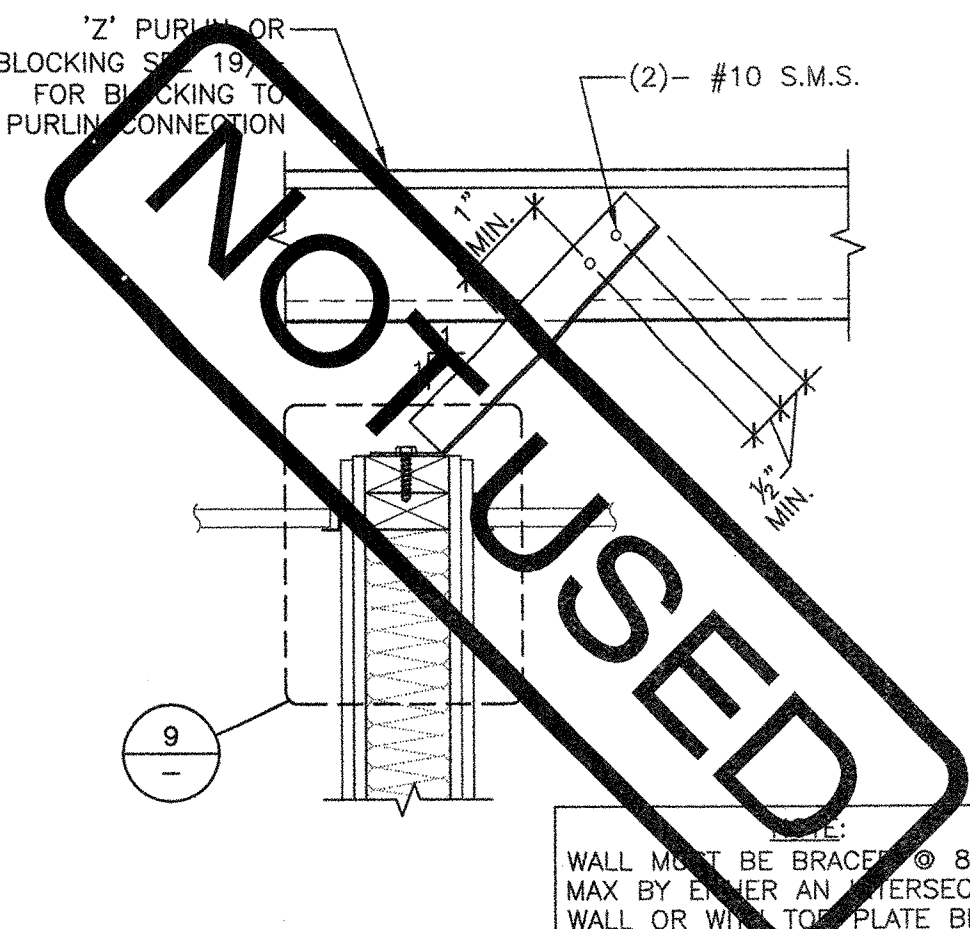


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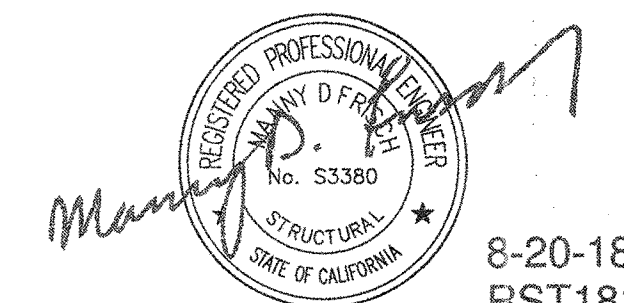


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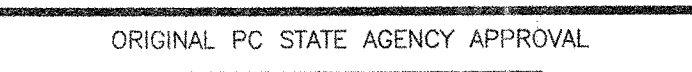
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PC 02-115700

AC        FLS        SS         
DATE 8-31-2018

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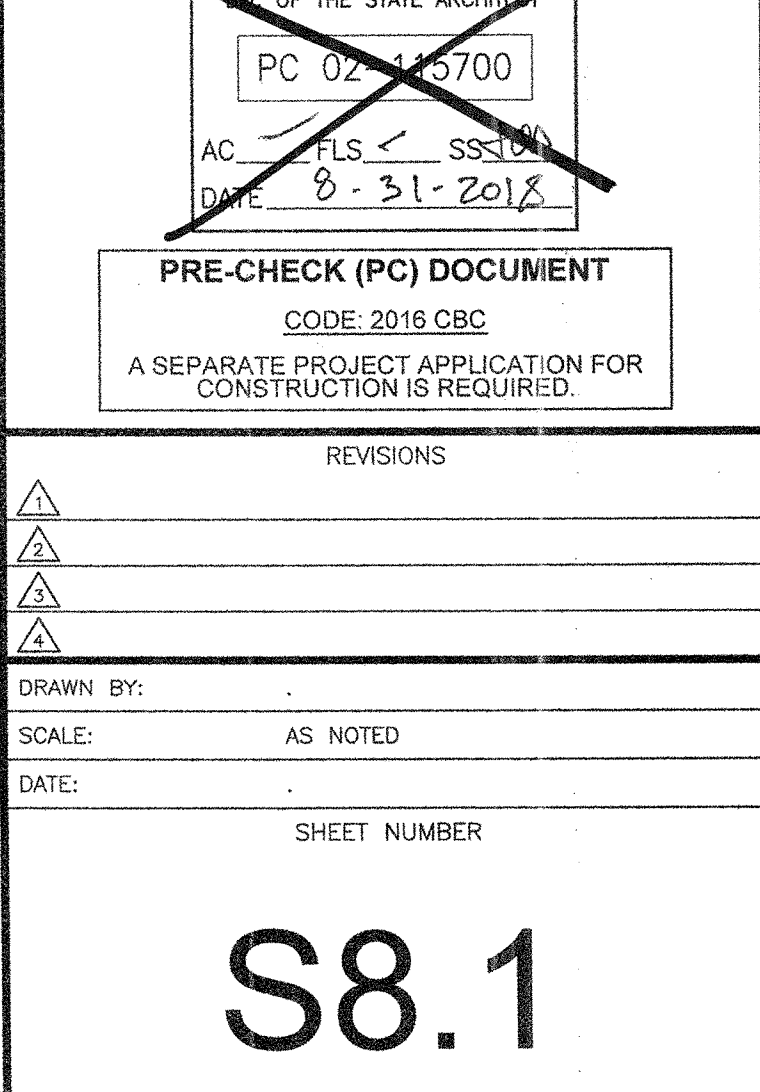
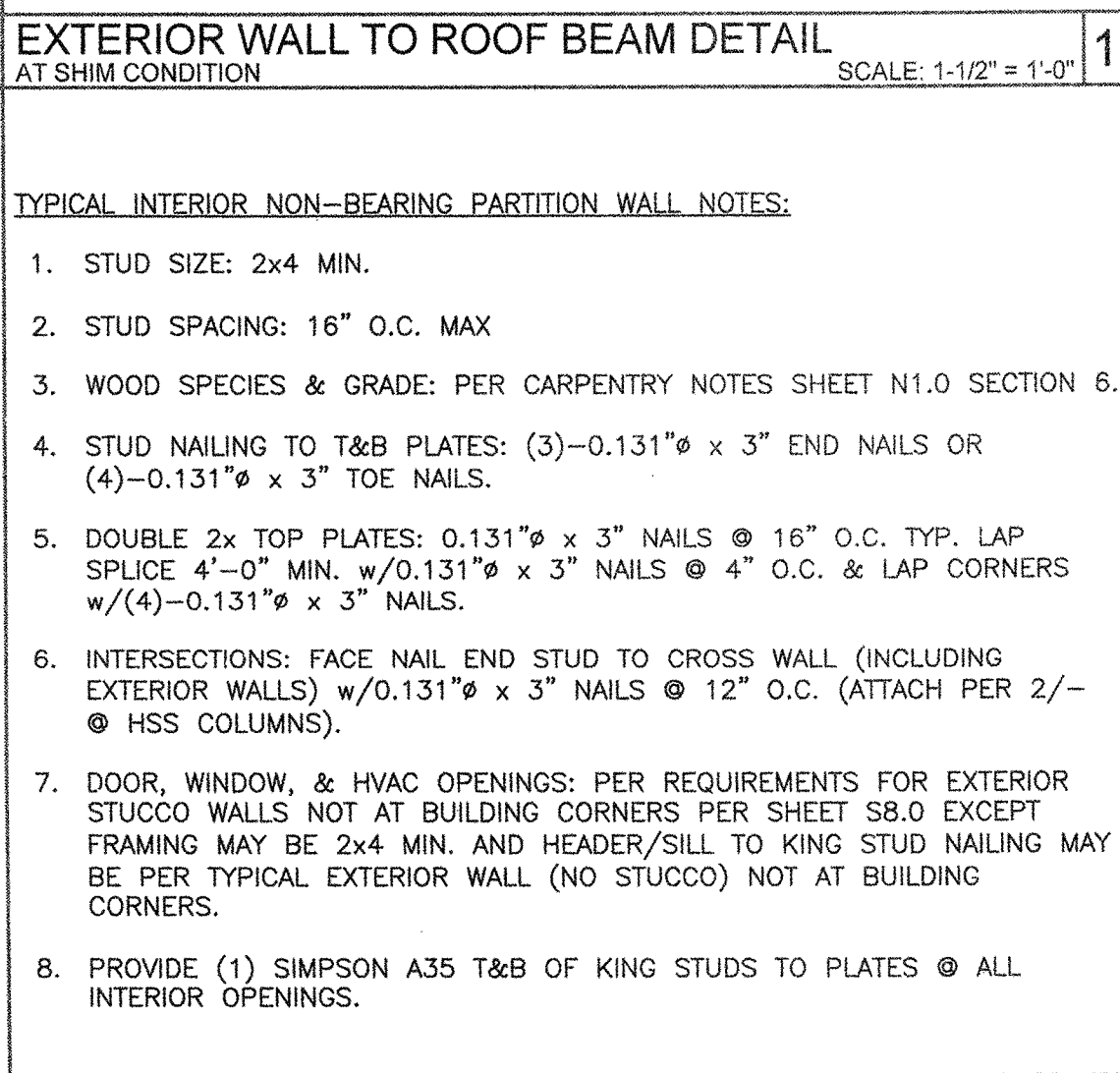
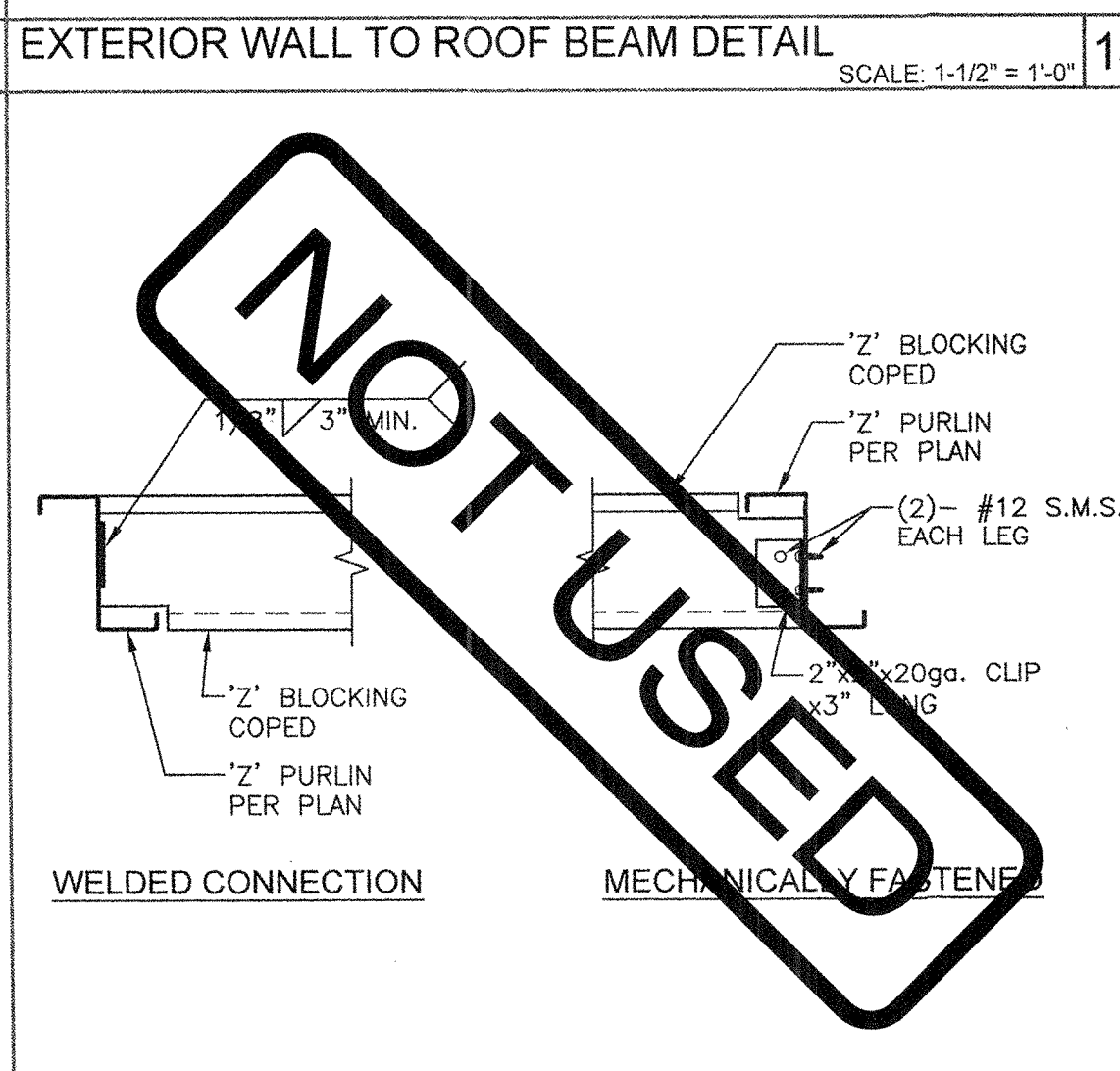
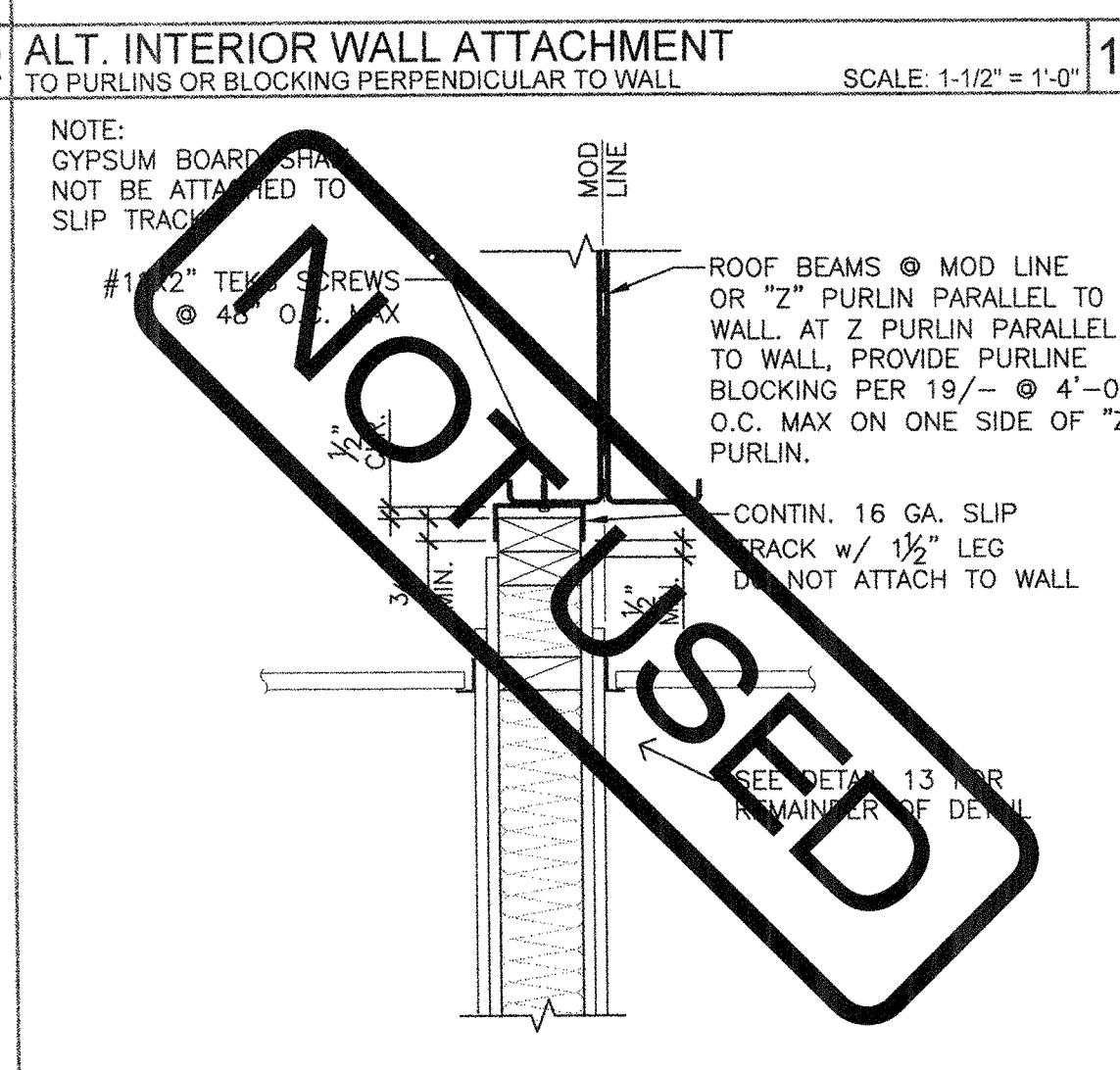
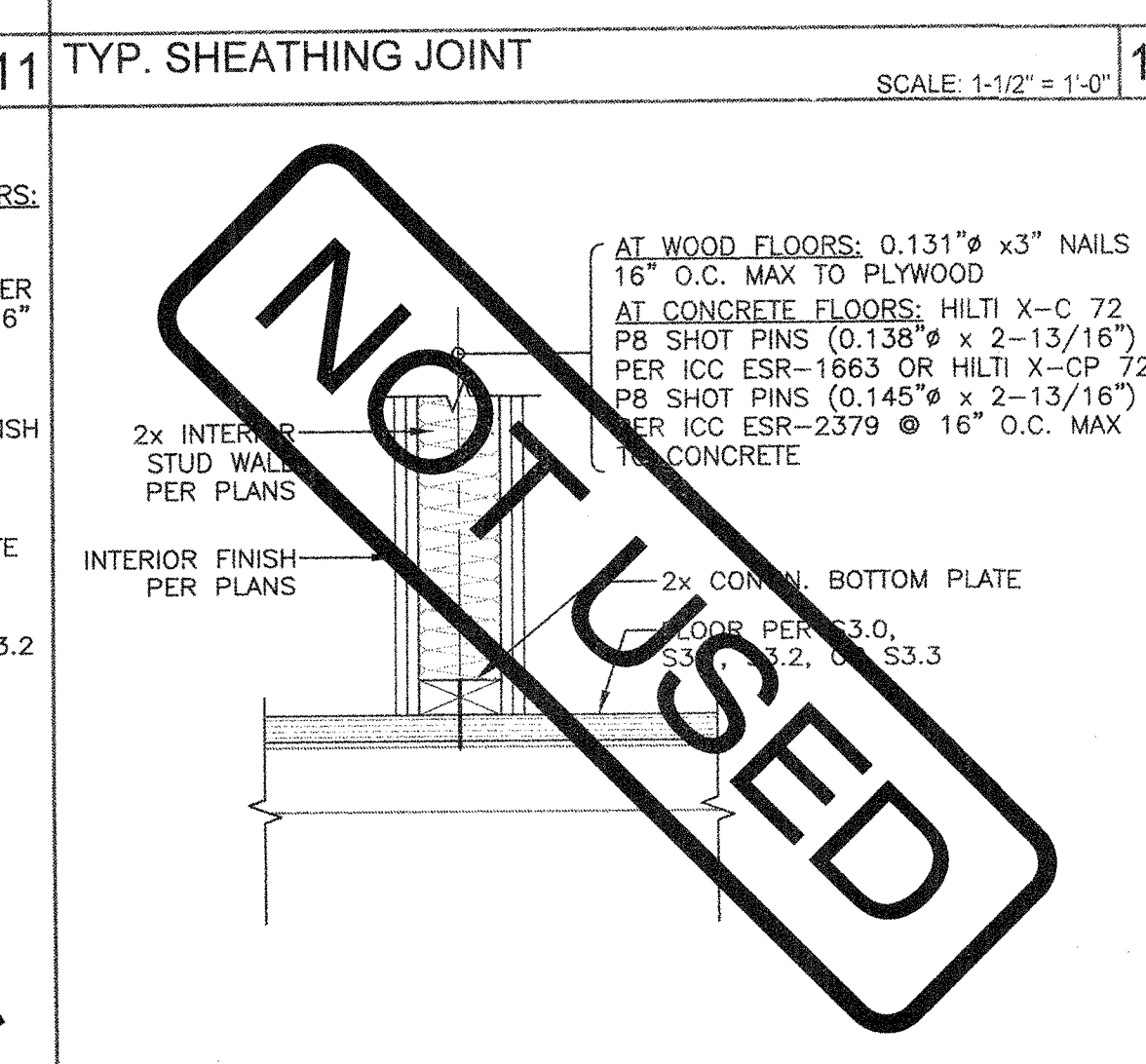
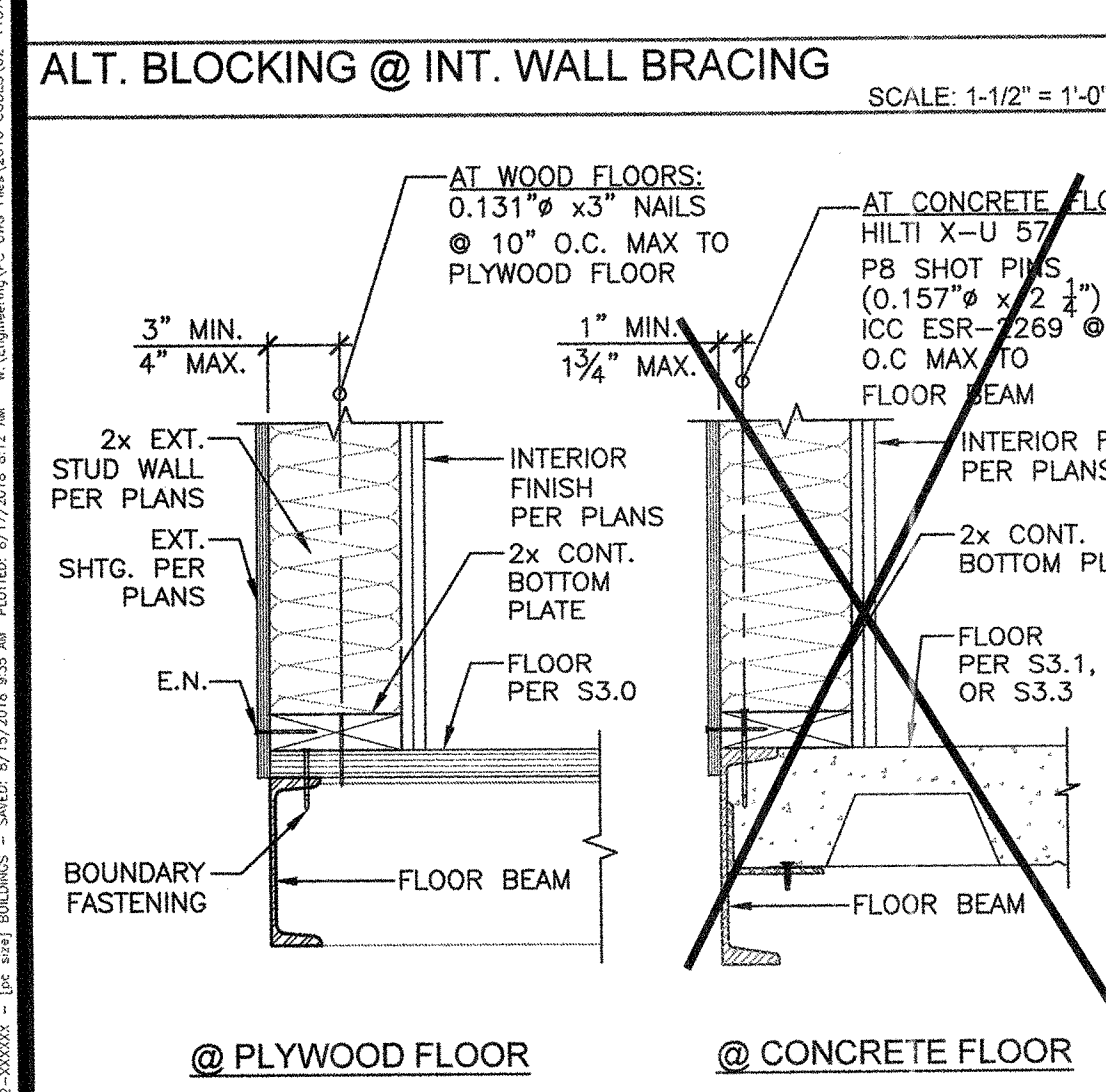
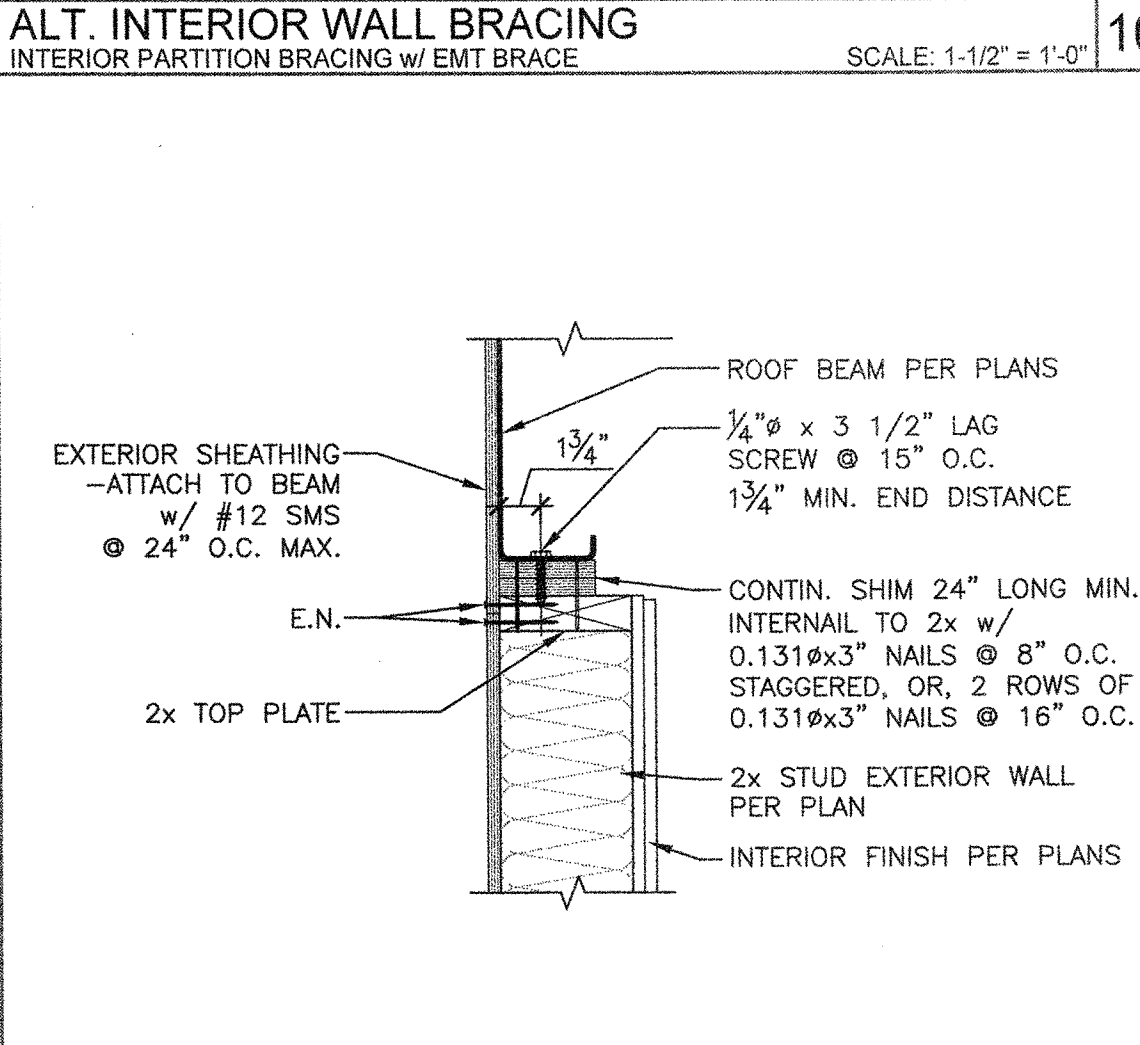
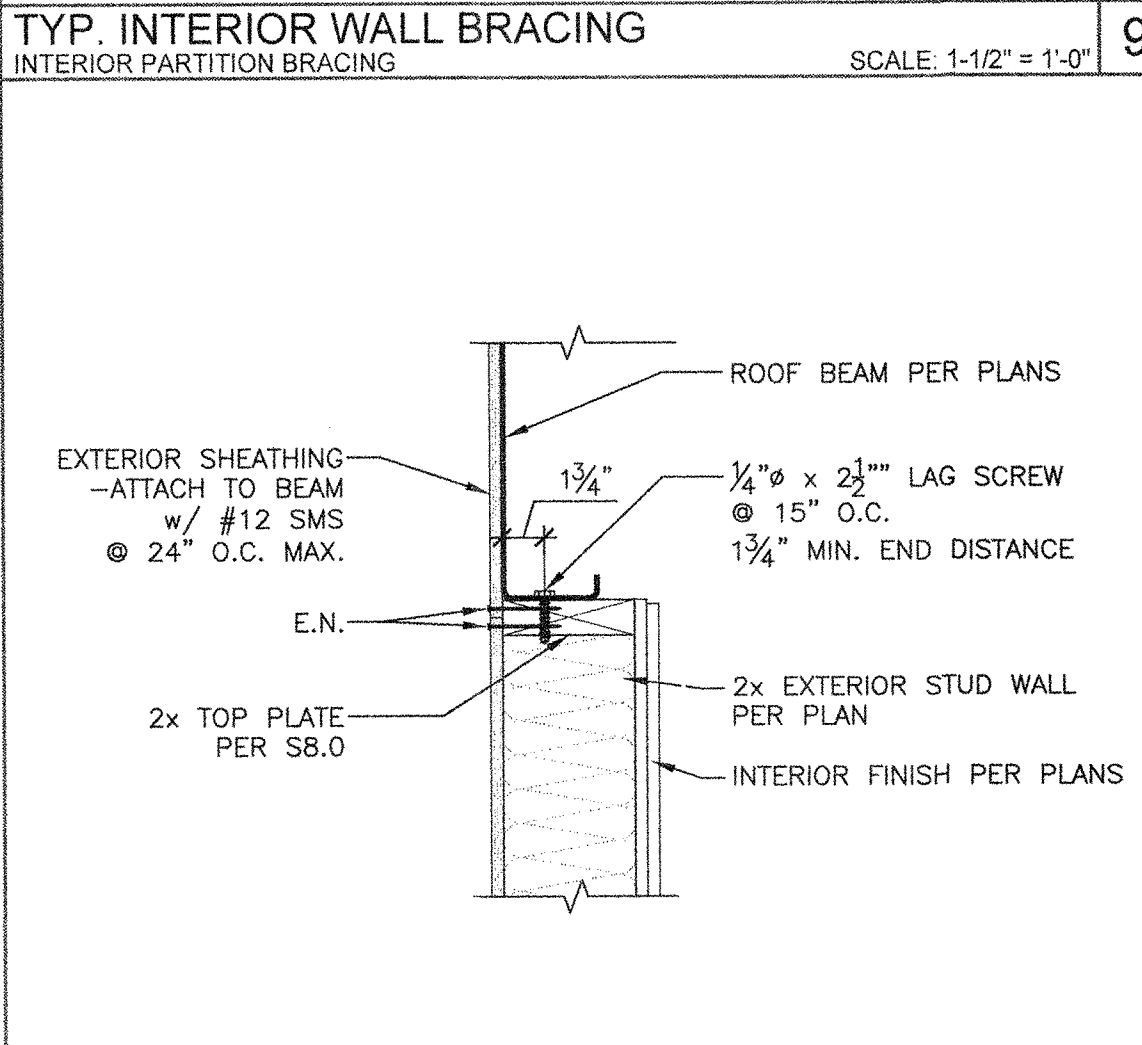
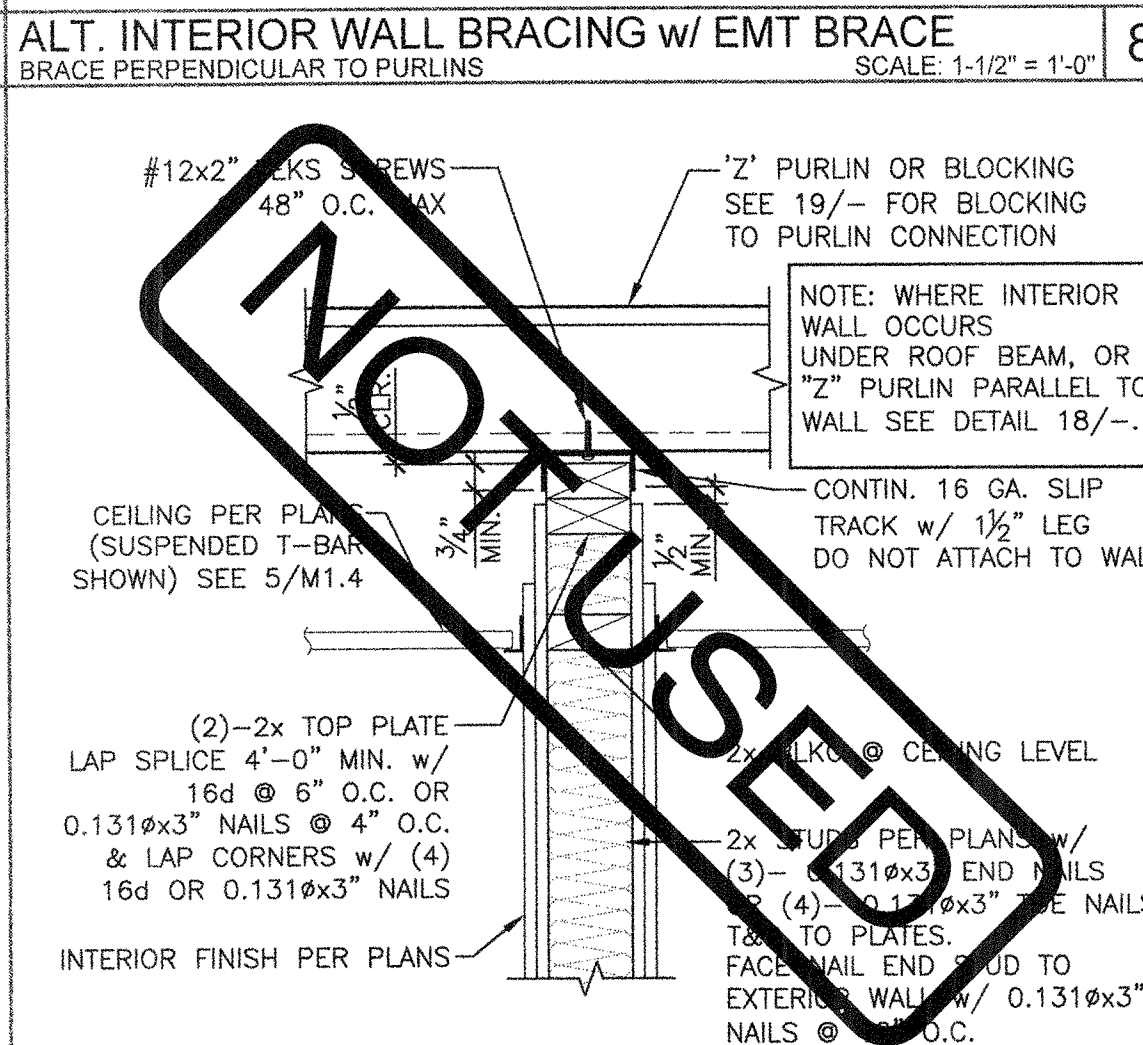
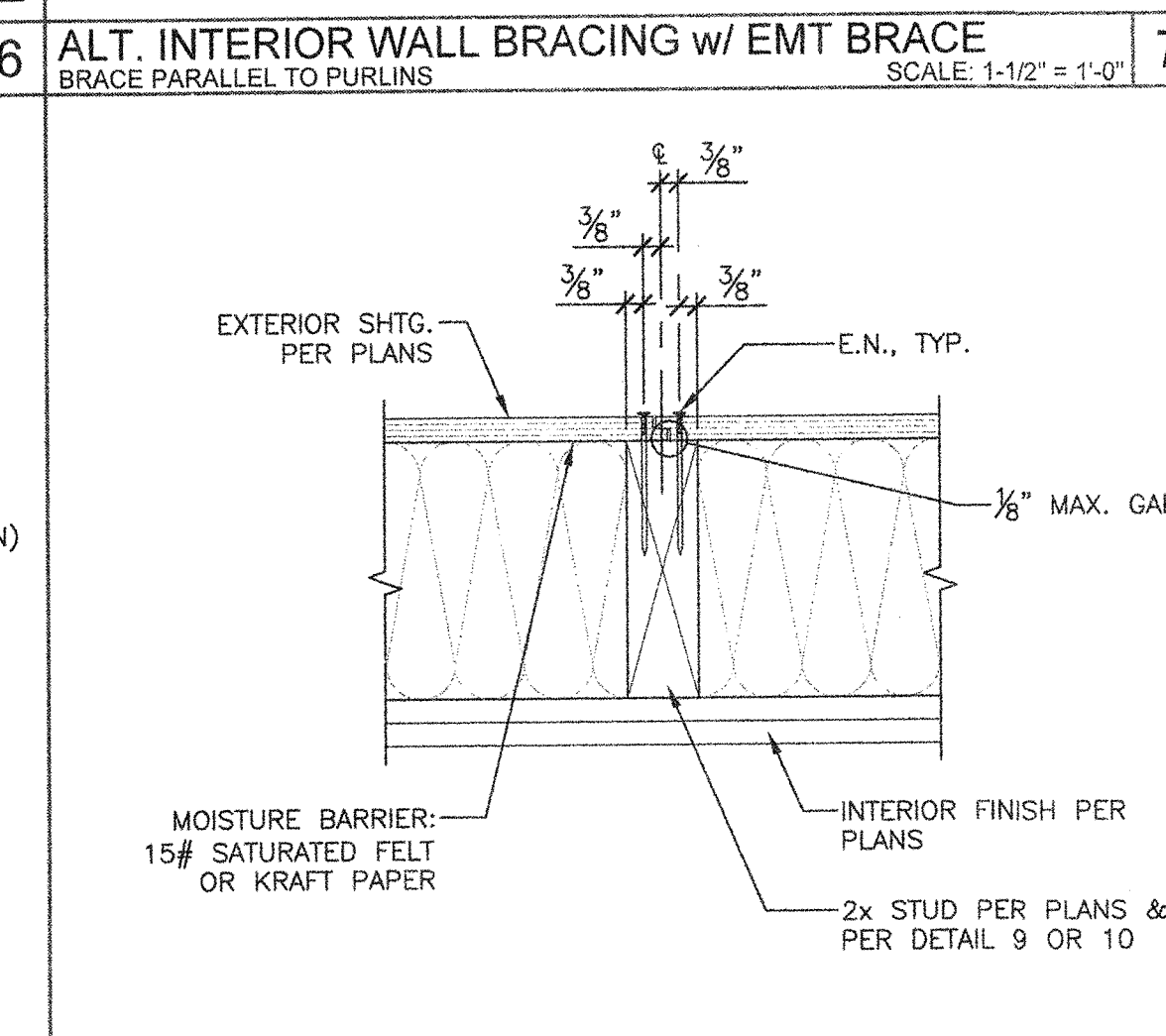
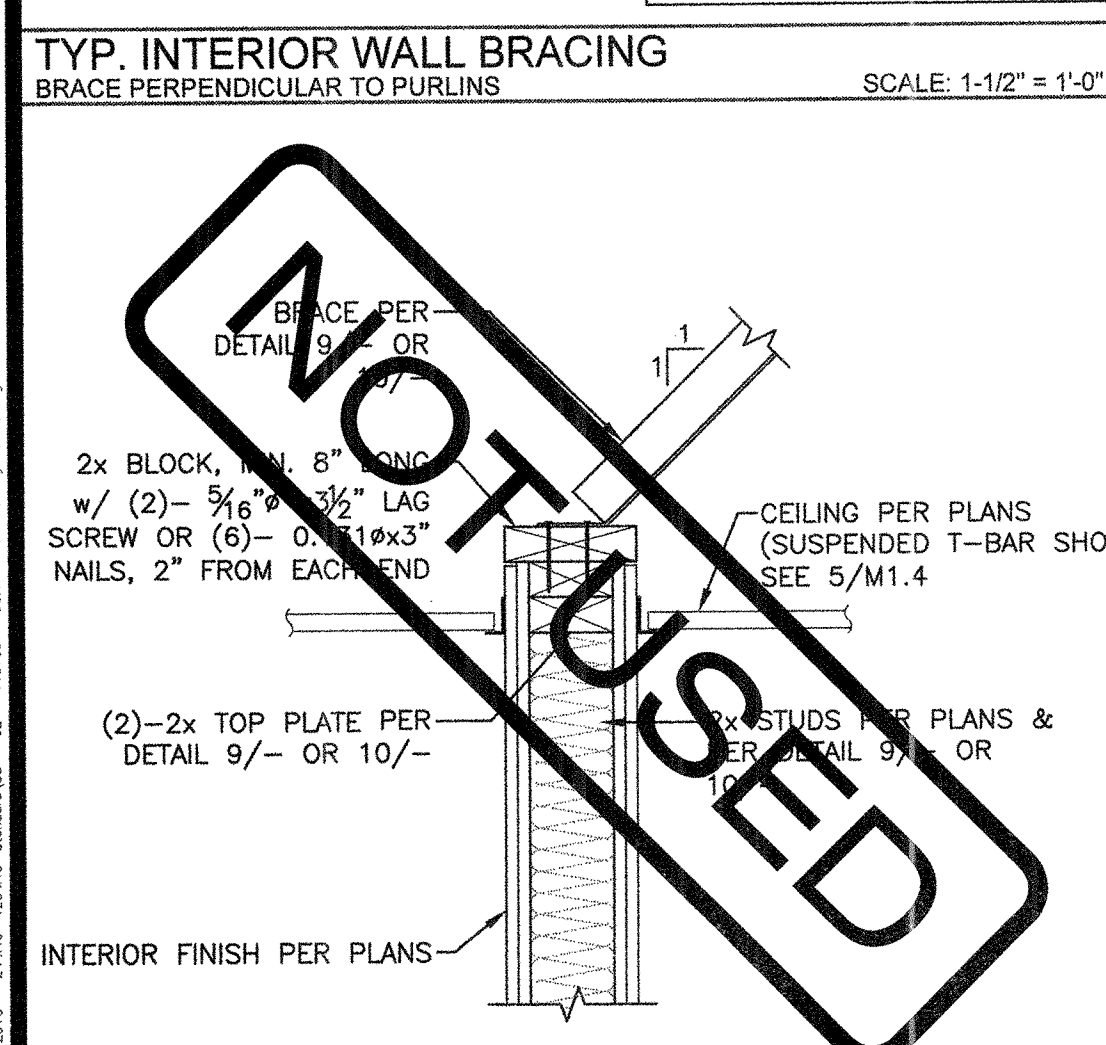
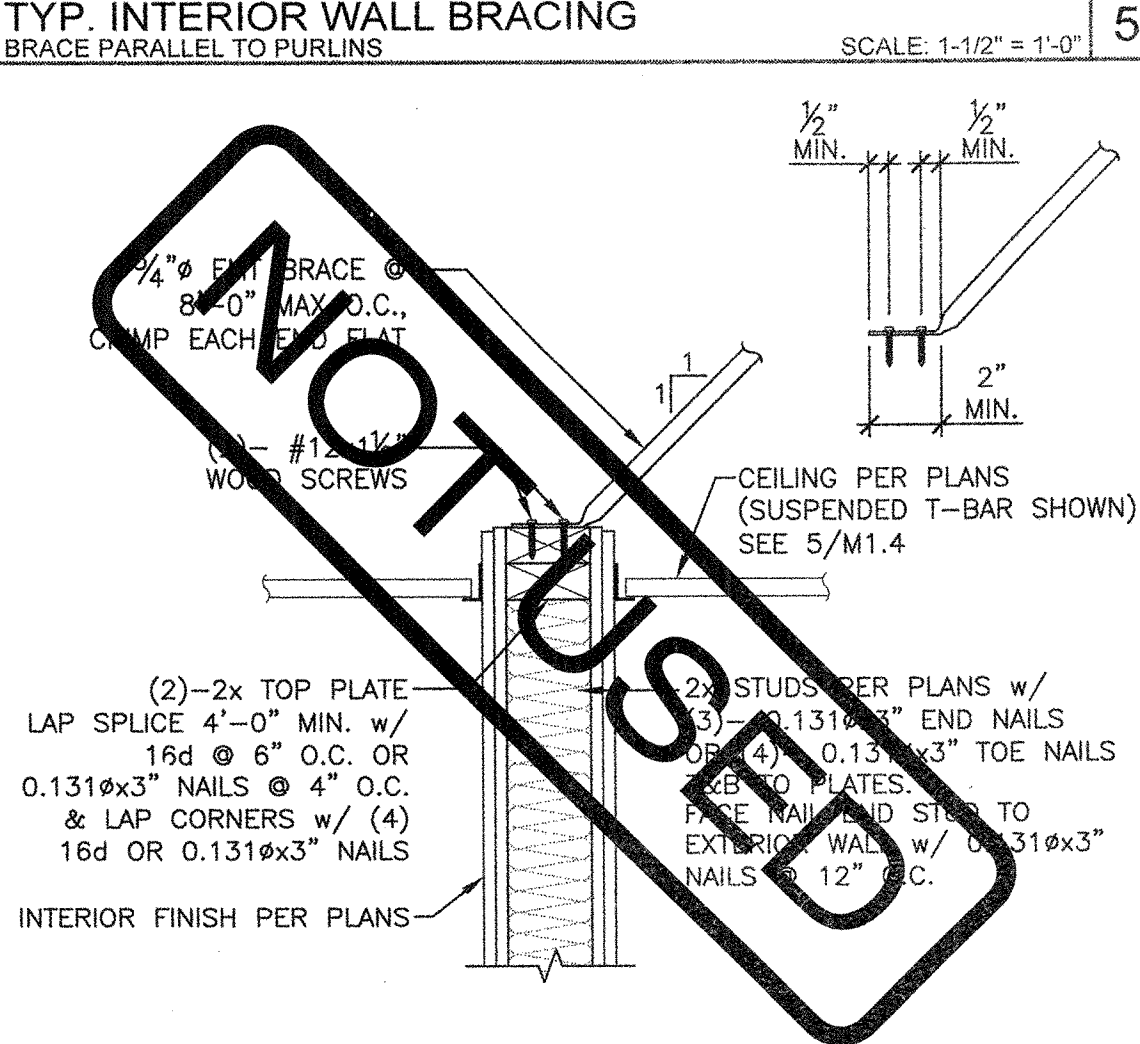
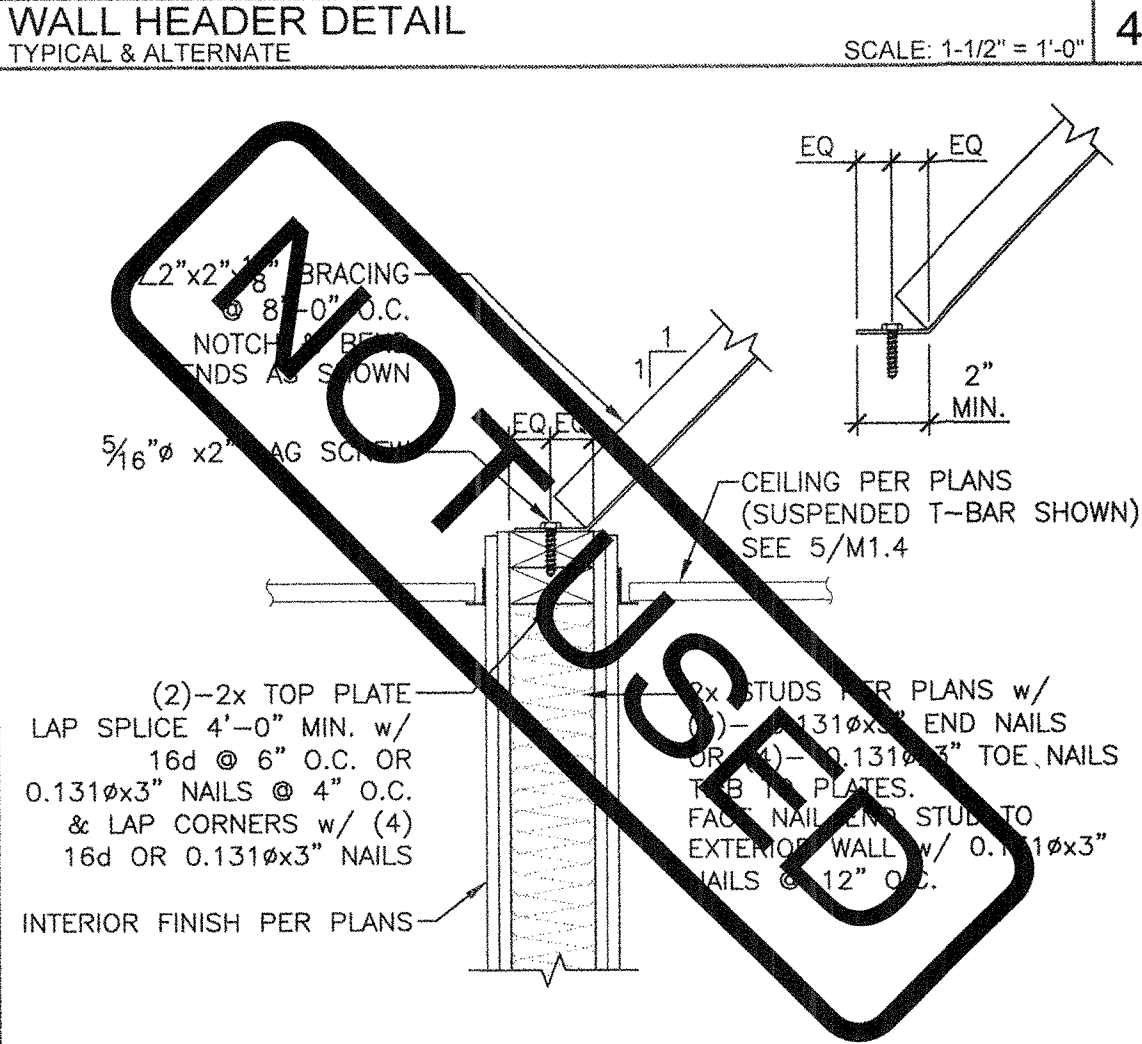
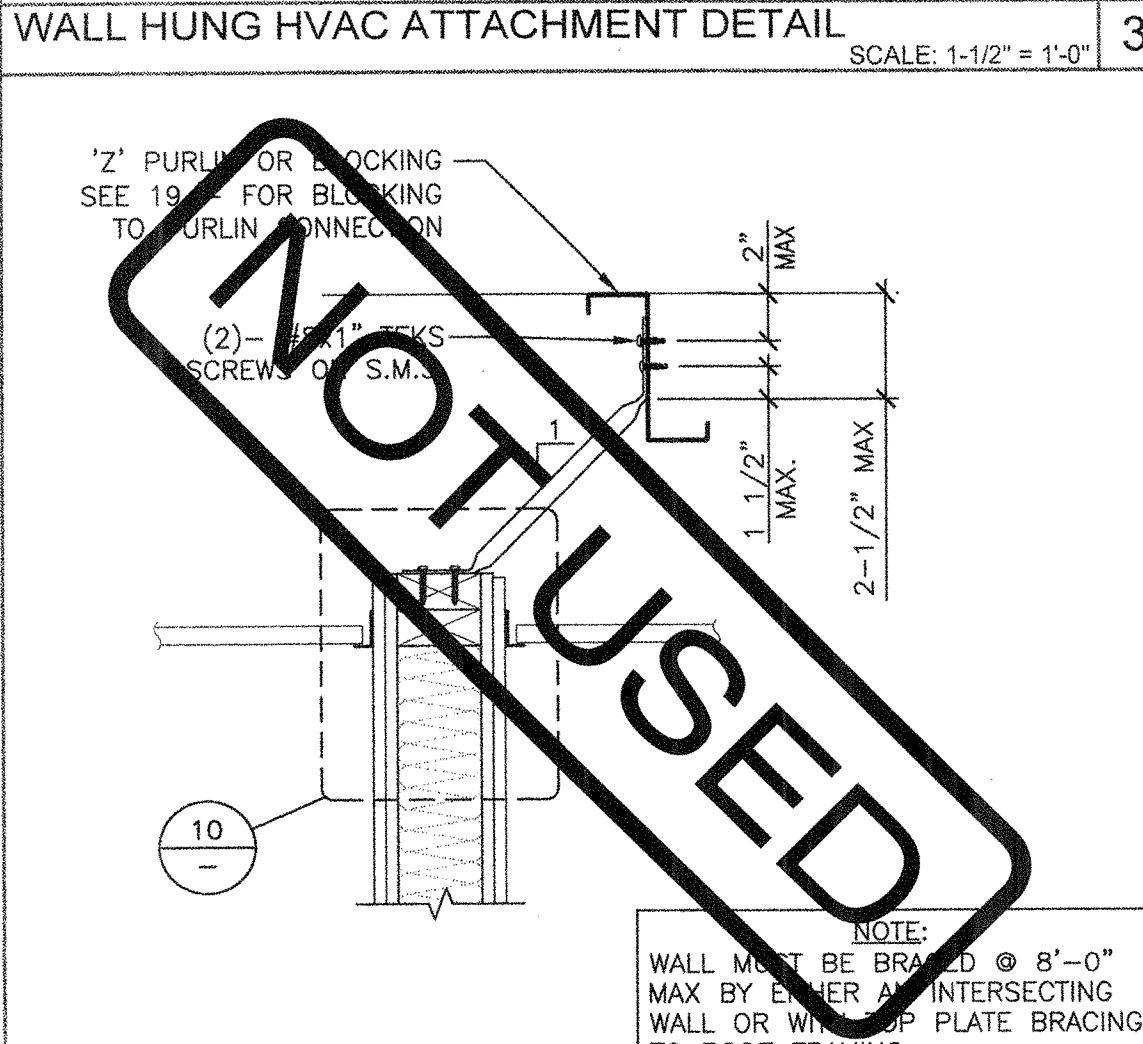
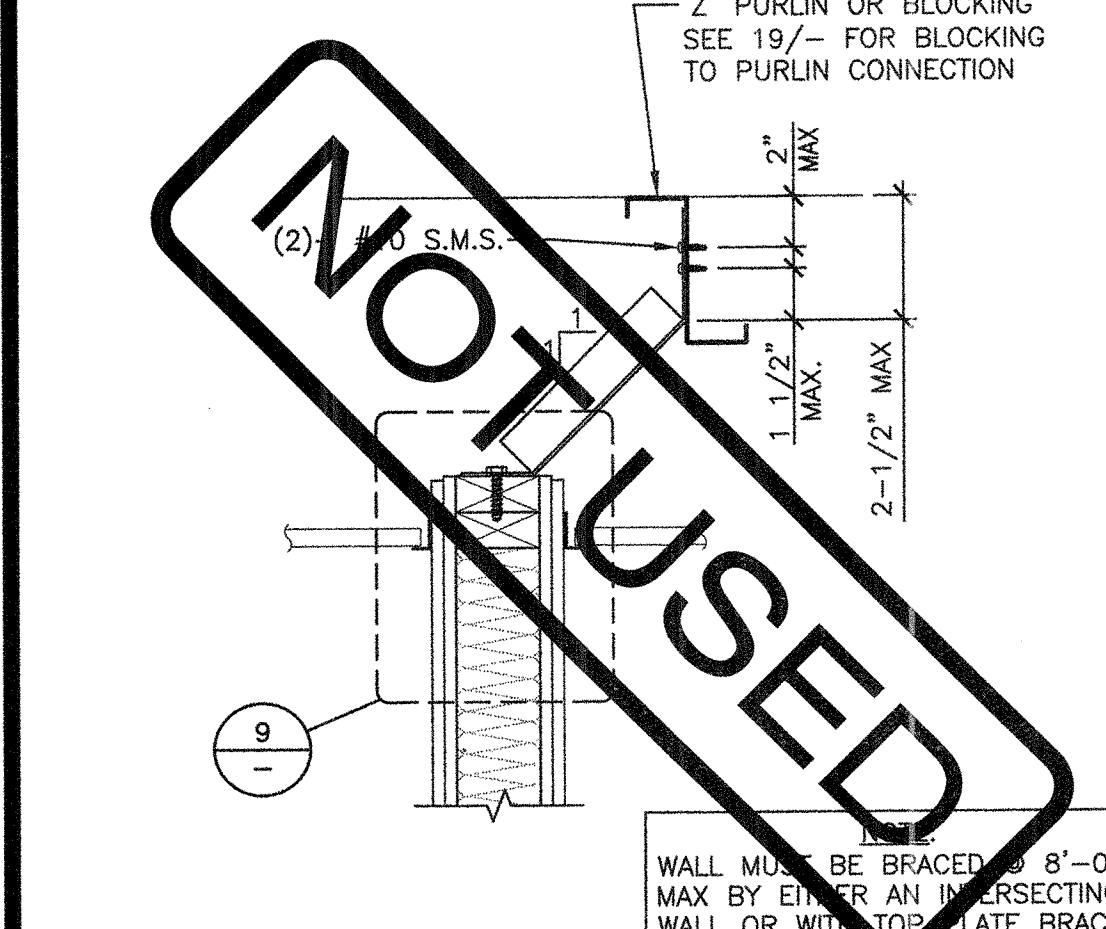
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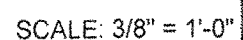
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RV-1 PCX34



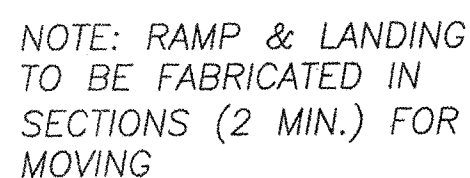




NOTE: RAMP & LANDING  
TO BE FABRICATED IN  
SECTIONS (2 MIN.) FOR  
MOVING

NOTE: FOR RAMP & LANDING MINIMUM REQUIREMENTS, SEE DETAIL 16/A1.0 & 16/A1.1

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

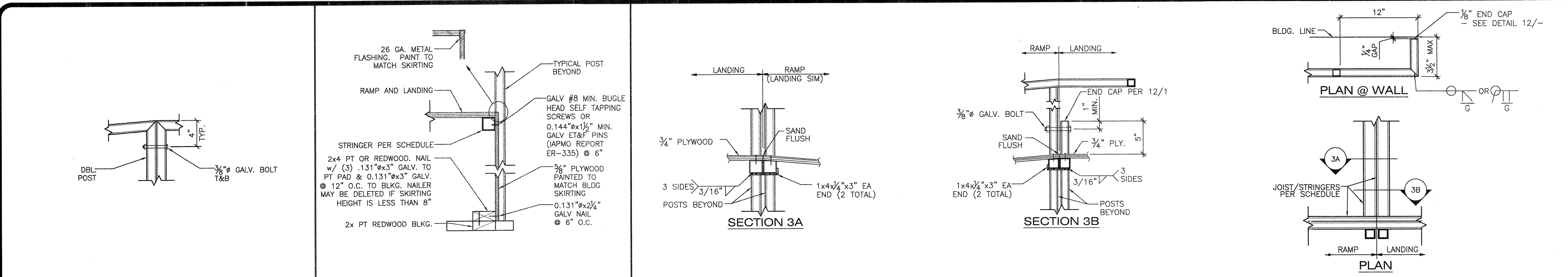


NOTE: FOR RAMP & LANDING MINIMUM REQUIREMENTS, SEE DETAIL 16/A1.0 & 16/A1.1

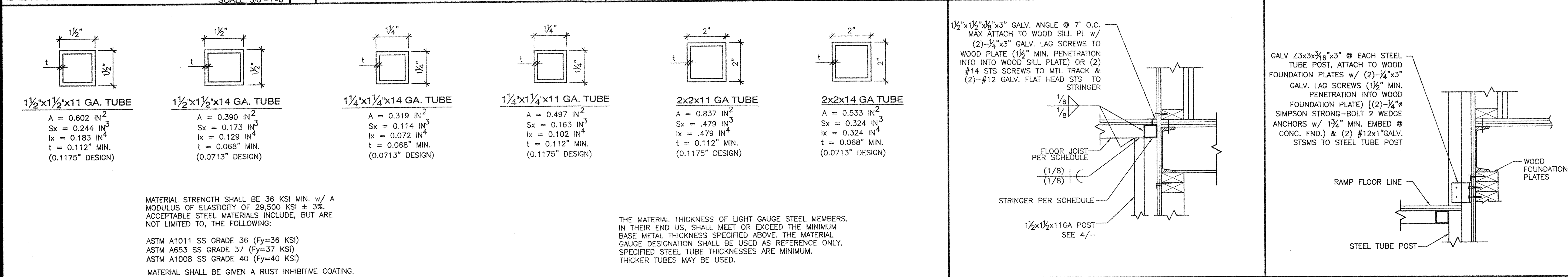
SCALE: 3/8" = 1'-0"

## RV-

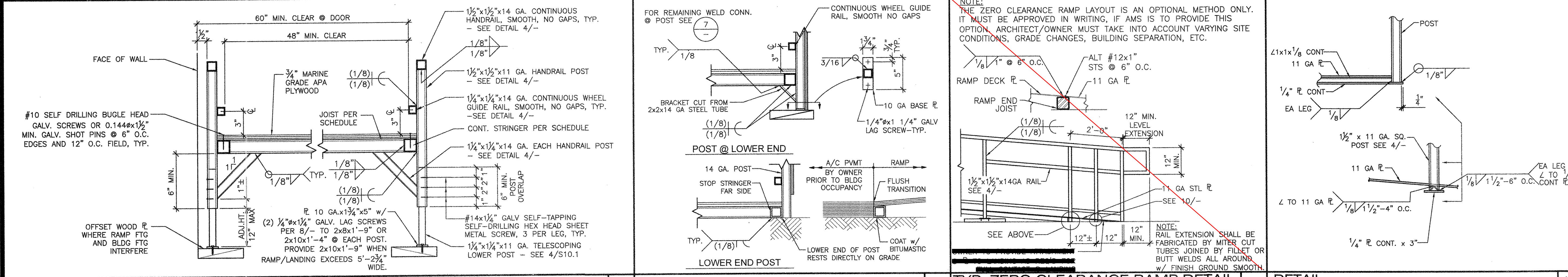




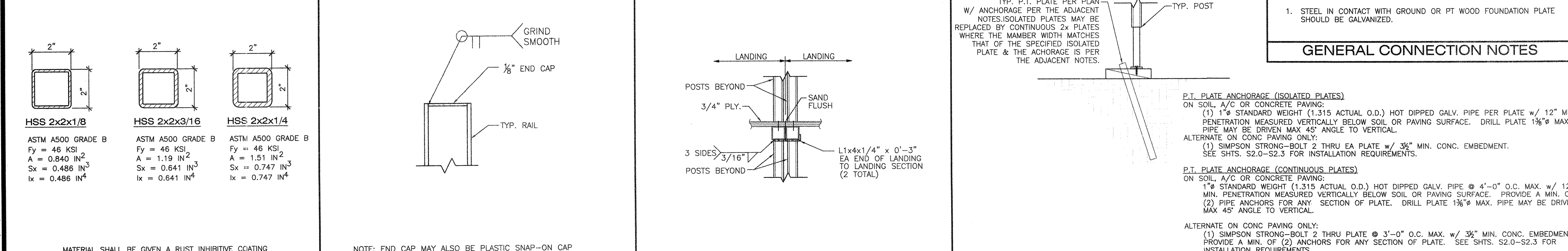
DETAIL 1 RAMP SKIRT DETAIL SCALE: 3/8"=1'-0" 2 RAMP TO LANDING CONNECTION DETAIL SCALE: 3/8"=1'-0" 3 PLAN @ WALL SCALE: 3/8"=1'-0" 4 SECTION 3A SCALE: 3/8"=1'-0" 5 SECTION 3B SCALE: 3/8"=1'-0" 6 PLAN SCALE: 3/8"=1'-0"



4 LANDING ATTACHMENT DETAIL SCALE: 3/8"=1'-0" 5 RAMP CONNECTION DETAIL SCALE: 3/8"=1'-0" 6



7 HANDRAIL & RAMP SECTION SCALE: 3/8"=1'-0" 8 TYP. ZERO CLEARANCE RAMP DETAIL SCALE: 3/8"=1'-0" 9



11 HSS PROPERTIES SCALE: N.T.S. 12 END CAP DETAIL SCALE: N.T.S. 13 LANDING TO LANDING CONNECTION SCALE: 3/8"=1'-0" 14 P.T. PLATE ANCHORAGE SCALE: 3/8"=1'-0"

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PRE-CHECKED SET NAME

24'x40' THRU 120'x40'  
STANDARD MODULAR  
BUILDINGS

SITE SPECIFIC PROJECT NAME

SHEET TITLE

RAMP DETAILS

MANUFACTURER PROFESSIONAL OF RECORD ON PC

REGISTERED ARCHITECT  
PATRICK C. MANNING  
No. C12631  
Exp. 3-31-19  
STATE OF CALIFORNIA

REGISTERED PROFESSIONAL  
MANUFRIC  
No. 93386  
Exp. 8-24-2018  
STRUCTURAL  
STATE OF CALIFORNIA

PROJECT SPECIFIC STATE AGENCY APPROVAL

IDENTIFICATION STAMP  
OF THE STATE ARCHITECT  
020 11 20  
ACF SLS 11/2/20  
DATE 8-31-2018

ORIGINAL PC STATE AGENCY APPROVAL

IDENTIFICATION STAMP  
OF THE STATE ARCHITECT  
PC 02-115700  
ACF SLS 11/2/20  
DATE 8-31-2018

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

REVISIONS

DRAWN BY:

SCALE: AS NOTED  
DATE:

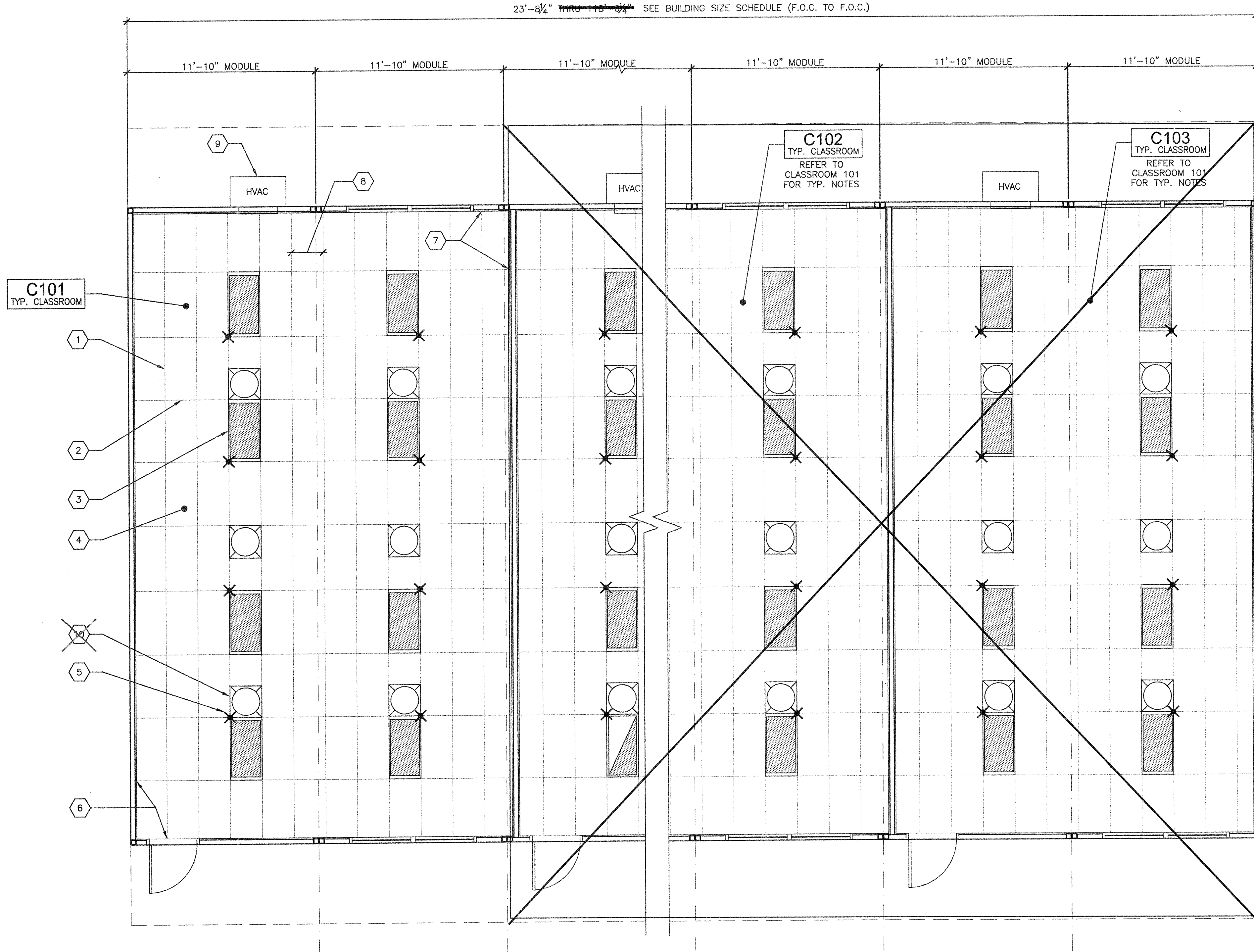
SHEET NUMBER

S10.1

RV-1 PCX36



23'-8 1/4" THRU 110'-0 1/4" SEE BUILDING SIZE SCHEDULE (F.O.C. TO F.O.C.)



TYPICAL REFLECTED CEILING PLAN

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

BUILDING SIZE SCHEDULE			
BUILDING SIZE (FT)	TOTAL # OF 12'-0" WIDE MODULES	TOTAL # OF CENTER MODULES	TOTAL BLDG WIDTH
<input checked="" type="checkbox"/> 24'x40'	2	0	23'-8 1/4"
<input type="checkbox"/> 36'x40'	3	1	35'-6 1/2"
<input type="checkbox"/> 48'x40'	4	2	47'-4 3/4"
<input type="checkbox"/> 60'x40'	5	3	59'-3"
<input type="checkbox"/> 72'x40'	6	4	71'-1 1/4"
<input type="checkbox"/> 84'x40'	7	5	82'-11 1/2"
<input type="checkbox"/> 96'x40'	8	6	94'-9 3/4"
<input type="checkbox"/> 108'x40'	9	7	106'-8"
<input type="checkbox"/> 120'x40'	10	8	118'-6 1/4"

NOTES:

1. TOTAL BUILDING WIDTH INCLUDES 1/2" PER MODULE CONSTRUCTION TOLERANCE PER FOUNDATION SHEETS S1.0, S1.1, S1.2, & S1.3

BUILDING SIZE SCHEDULE

1. MAIN TEE RUNNER TYP. PER TABLE A, SHEET M1.7
2. CROSS TEE RUNNER TYP. PER TABLE A, SHEET M1.7
3. INTERIOR LIGHT FIXTURE, REFER TO SHEET SHEET E1.0 FOR SPEC'S ATTACHMENT PER DETAIL 7/M1.4
4. CEILING HEIGHT @ 8'-6" MIN.
5. STRUT/SPLAY WIRE ASSEMBLY, SEE 2/M1.4 FOR DETAILS
6. FIXED CEILING END, SEE DETAIL 5A/M1.4
7. FREE CEILING END, SEE DETAIL 5B/M1.4
8. CENTER SECTION THAT CROSSES MODULE LINE TO BE FIELD INSTALLED, SEE DETAIL 5C/M1.4
9. TYP. HVAC UNIT
10. OPTIONAL SOLA TUBE SEE DETAIL 7/M1.6

KEY NOTES

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

GENERAL NOTES

MEP COMPONENT ANCHORAGE NOTES

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

1. ALL PERMANENT EQUIPMENT AND COMPONENTS.
2. TEMPORARY OR MOVABLE EQUIPMENT THAT IS PERMANENTLY ATTACHED (E.G. HARD WIRED) TO THE BUILDING UTILITY SERVICES SUCH AS ELECTRICITY, GAS OR WATER.
3. MOVABLE EQUIPMENT WHICH IS STATIONED IN ONE PLACE FOR MORE THAN 8 HOURS AND HEAVIER THAN 400 POUNDS ARE REQUIRED TO BE ANCHORED WITH TEMPORARY ATTACHMENTS.

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

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

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

PIPING, DUCTWORK, AND ELECTRICAL DISTRIBUTION SYSTEM BRACING NOTES

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.1.23, 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 PRE-APPROVED 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□ OPTION 3: SHALL COMPLY WITH THE 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 WITH PROJECT SPECIFIC NOTES AND DETAILS. THE DETAILS SHALL ACCOUNT FOR THE APPLICABLE SEISMIC HAZARD LEVEL \_\_\_\_\_ AND CONNECTION LEVEL \_\_\_\_\_ FOR THE PROJECT AND CONDITIONS.

MEP COMPONENT ANCHORAGE NOTES

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PRE-CHECKED SET NAME

24'x40' THRU 120'x40'  
STANDARD MODULAR  
BUILDINGS

SITE SPECIFIC PROJECT NAME

SHEET TITLE

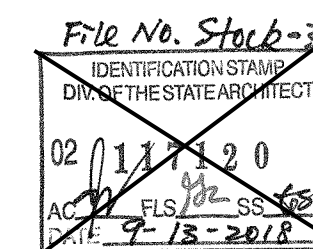
TYPICAL  
REFLECTED CEILING  
PLAN

MANUFACTURER PROFESSIONAL OF RECORD ON PC

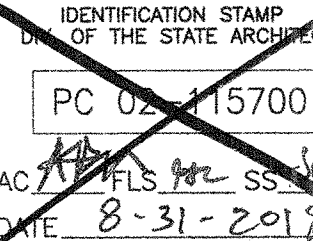


THESE DRAWINGS ARE PRELIMINARY AND NOT FOR CONSTRUCTION UNLESS STAMPED & SIGNED BY THE ENGINEER OF RECORD.

PROJECT SPECIFIC STATE AGENCY APPROVAL



ORIGINAL PC STATE AGENCY APPROVAL



PRE-CHECK (PC) DOCUMENT

CODE: 2016 CBC

A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRED.

REVISIONS



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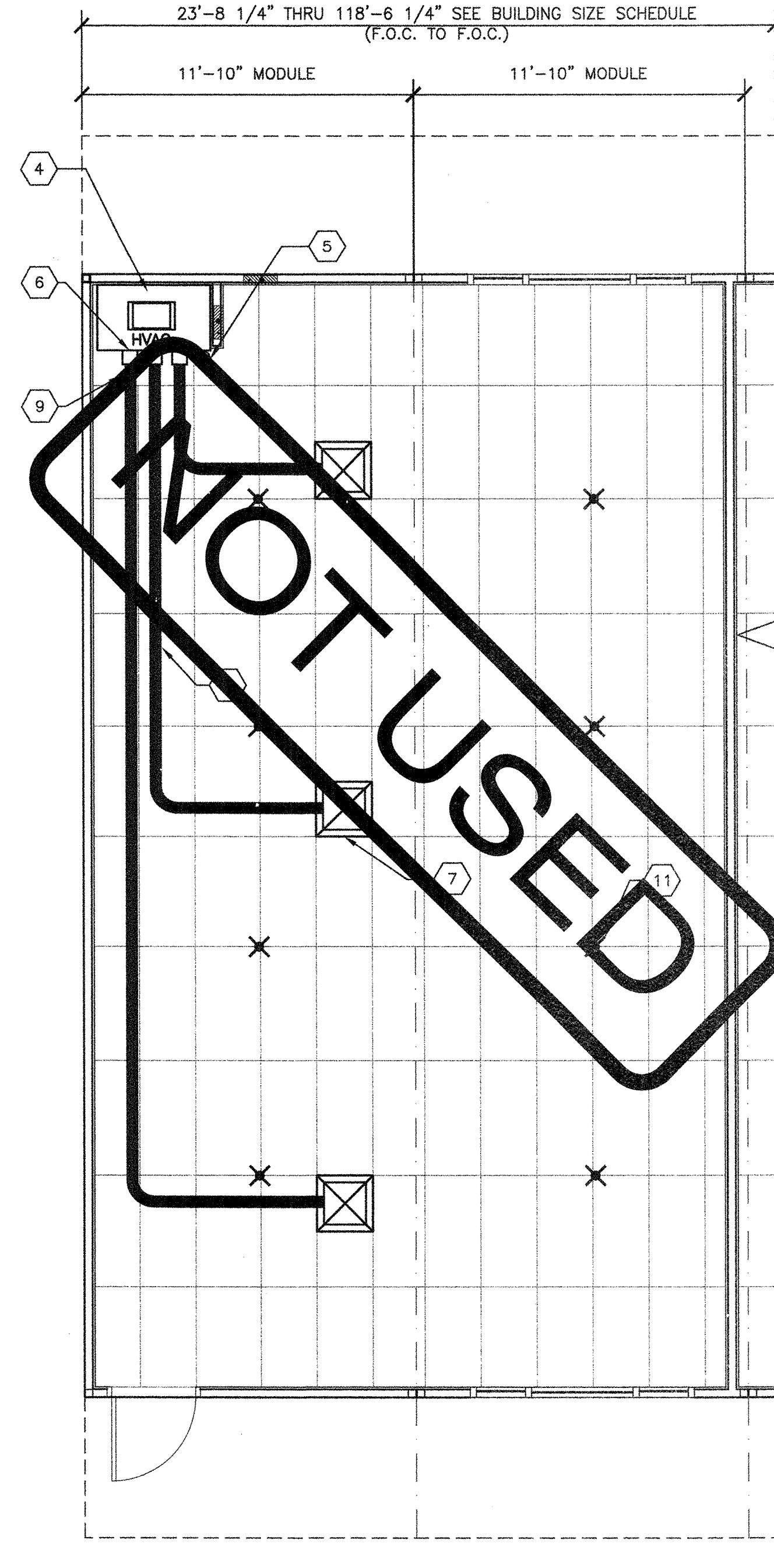
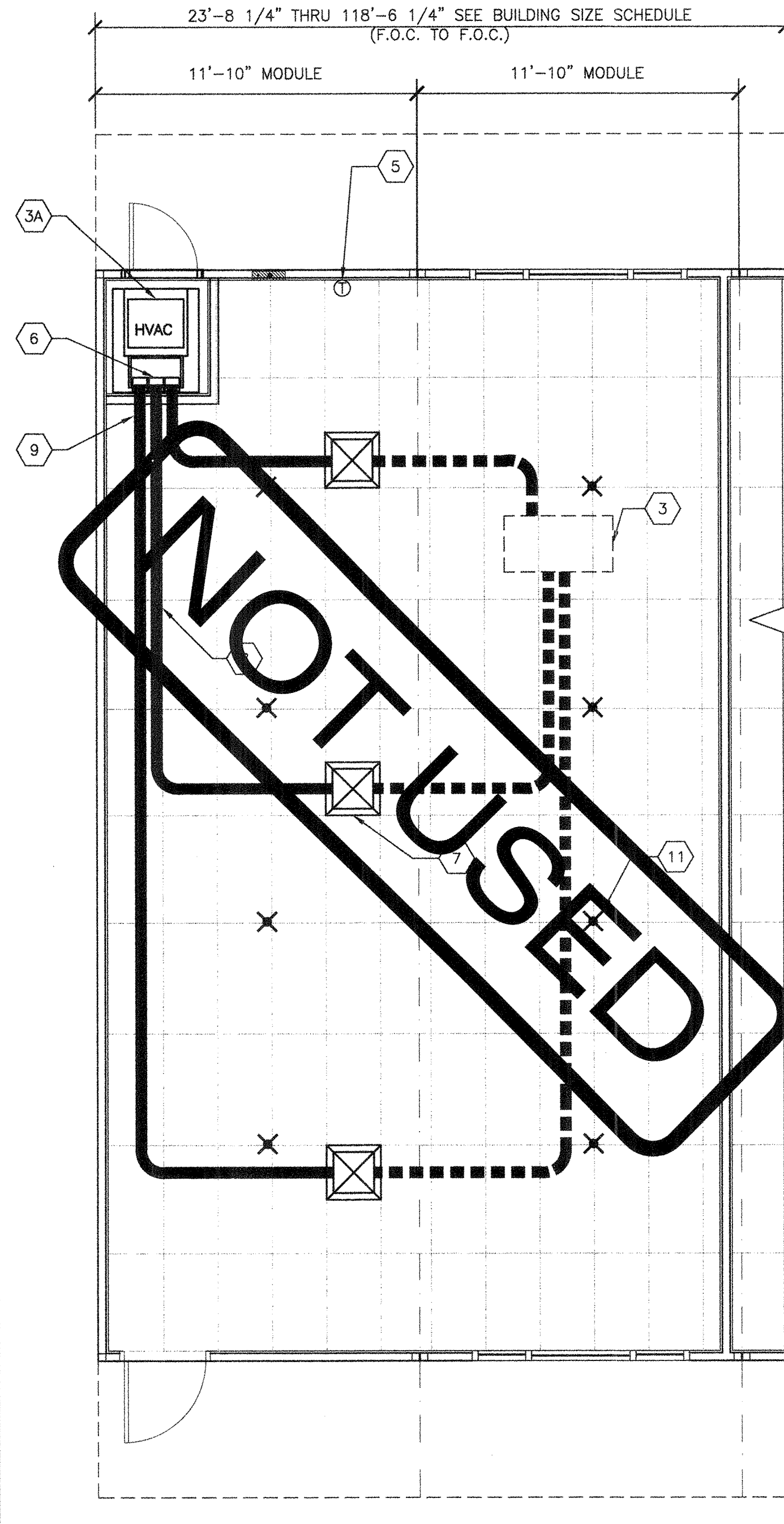
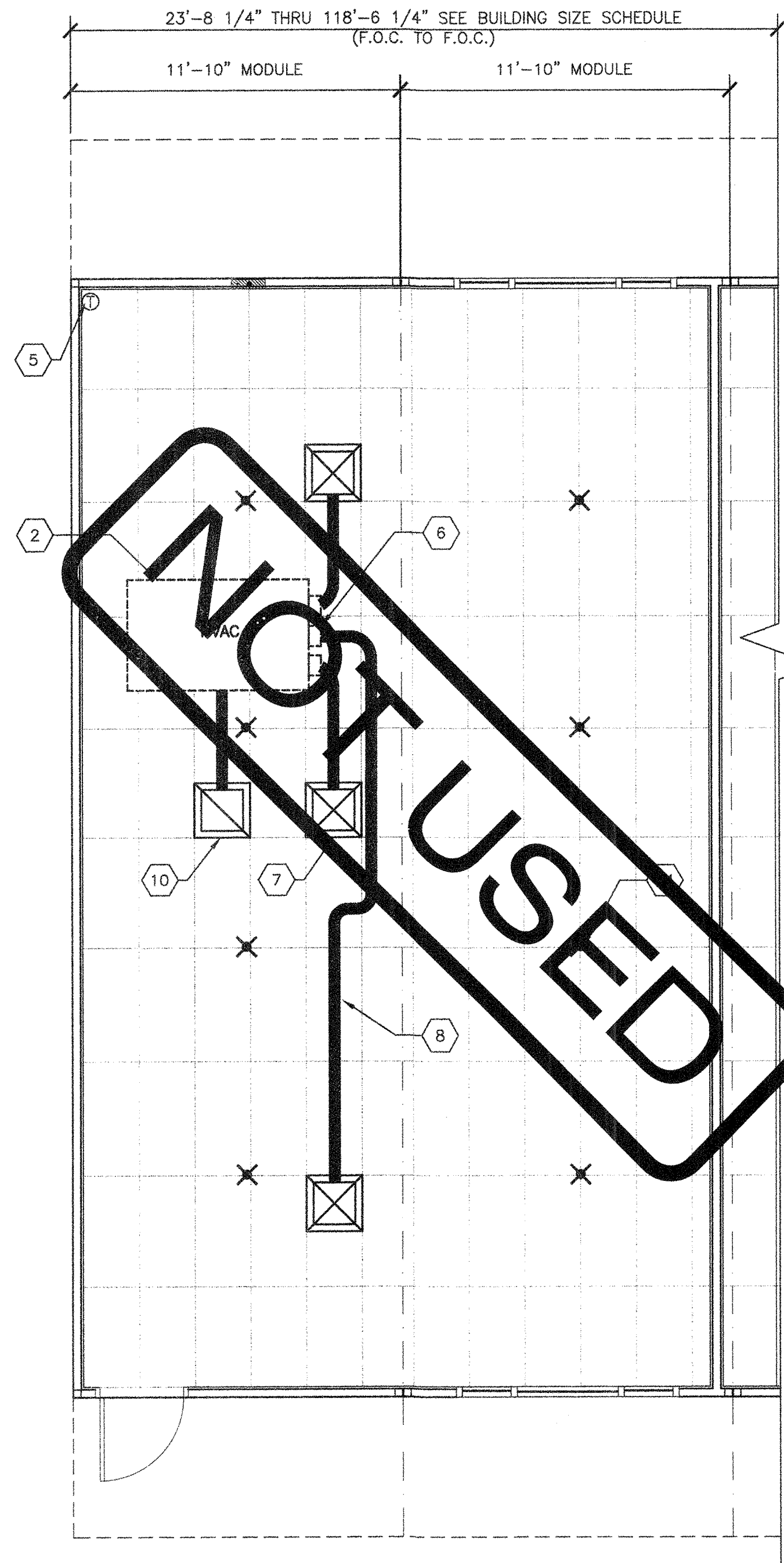
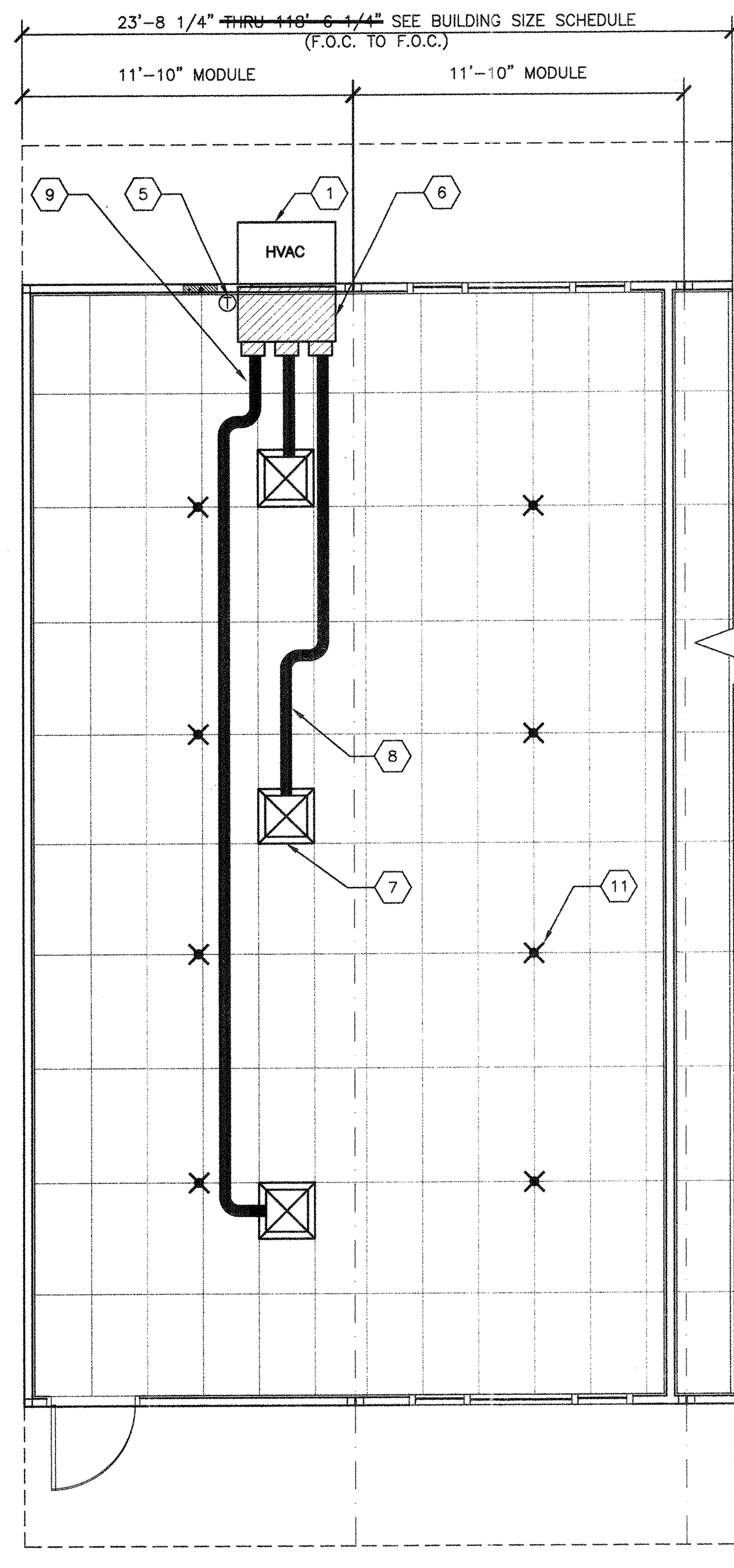
SCALE: AS NOTED

DATE:

SHEET NUMBER

M1.0





WALL HUNG OPTION

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

1 ROOF MOUNT OPTION

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

2 SPLIT SYSTEM OPTION

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

3 INTERIOR SYSTEM OPTION

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

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

- 1 WALL HUNG HVAC UNIT - SEE 10/M1.4.
- 2 ROOF MOUNT UNIT - SEE 11/M1.4.
- 3 SPLIT SYSTEM UNIT - SEE 2/M1.6.
- 3A AIR HANDLER UNIT - SEE 1/M1.9.
- 4 INTERIOR HVAC SYSTEM - SEE 8/M1.4.
- 5 THERMOSTAT - 48" A.F.F. MAX TO TOP OF BOX
- 6 CONCEALED SUPPLY AIR DUCT ABOVE T-BAR CEILING - SEE 1/M1.4.
- 7 TYPICAL 4-WAY SUPPLY AIR REGISTER LOCATION AND SIZE MAY VARY PER CEILING LAYOUT AND BUILDING SIZE - SEE 1/M1.4 & 7/M1.5.
- 8 FLEX DUCT - NOMINAL 10" MIN. (MAY VARY) - SEE 8/M1.5.
- 9 RETURN AIR AS PART OF UNIT.
- 10 RETURN AIR REGISTER - SEE 7/M1.5.
- 11 STRUT/SPLAY WIRE ASSEMBLY, SEE 2/M1.4 FOR DETAILS

BUILDING SIZE (FT)	TOTAL # OF 12' WIDE MODULES	TOTAL # OF CENTER MODULES	OVERALL SIZE <sup>1</sup>
<input checked="" type="checkbox"/> 24'x40'	2	0	23'-8 1/4"
<input type="checkbox"/> 36'x40'	3	1	35'-6 1/4"
<input type="checkbox"/> 48'x40'	4	2	47'-4 3/4"
<input type="checkbox"/> 60'x40'	5	3	59'-3"
<input type="checkbox"/> 72'x40'	6	4	71'-1 1/4"
<input type="checkbox"/> 84'x40'	7	5	82'-11 1/4"
<input type="checkbox"/> 96'x40'	8	6	94'-9 3/4"
<input type="checkbox"/> 108'x40'	9	7	106'-8"
<input type="checkbox"/> 120'x40'	10	8	118'-6 1/4"

- NOTES:
- OVERALL BUILDING SIZE IS BASED ON FACE OF CONCRETE FOUNDATION DIMENSIONS AND INCLUDES GROWTH AT MATELINES. SEE FOUNDATION SHEETS S1.1, S1.2, & S1.3.
  - DIMENSIONS ARE FROM FACE OF CONCRETE TO FACE OF CONCRETE (F.O.C. TO F.O.C.).
  - REFER TO SHEET M1.7 FOR TYPICAL NOTES AND CALL OUTS.

NOT USED

5

SHEET NOTES

KEY NOTES

BUILDING SIZE SCHEDULE

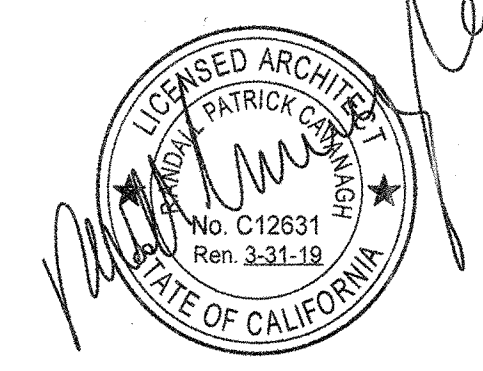
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PRE-CHECKED SET NAME  
  
24'x40' THRU 120'x40'  
STANDARD MODULAR  
BUILDINGS

SITE SPECIFIC PROJECT NAME

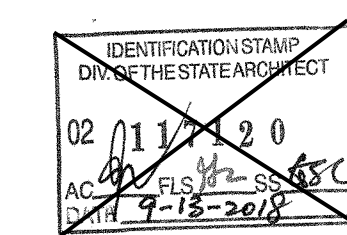
SHEET TITLE  
  
TYPICAL MECHANICAL PLAN  
OPTIONS

MANUFACTURER PROFESSIONAL OF RECORD ON PC

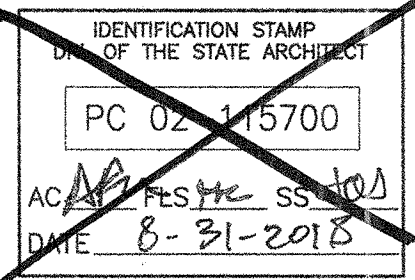


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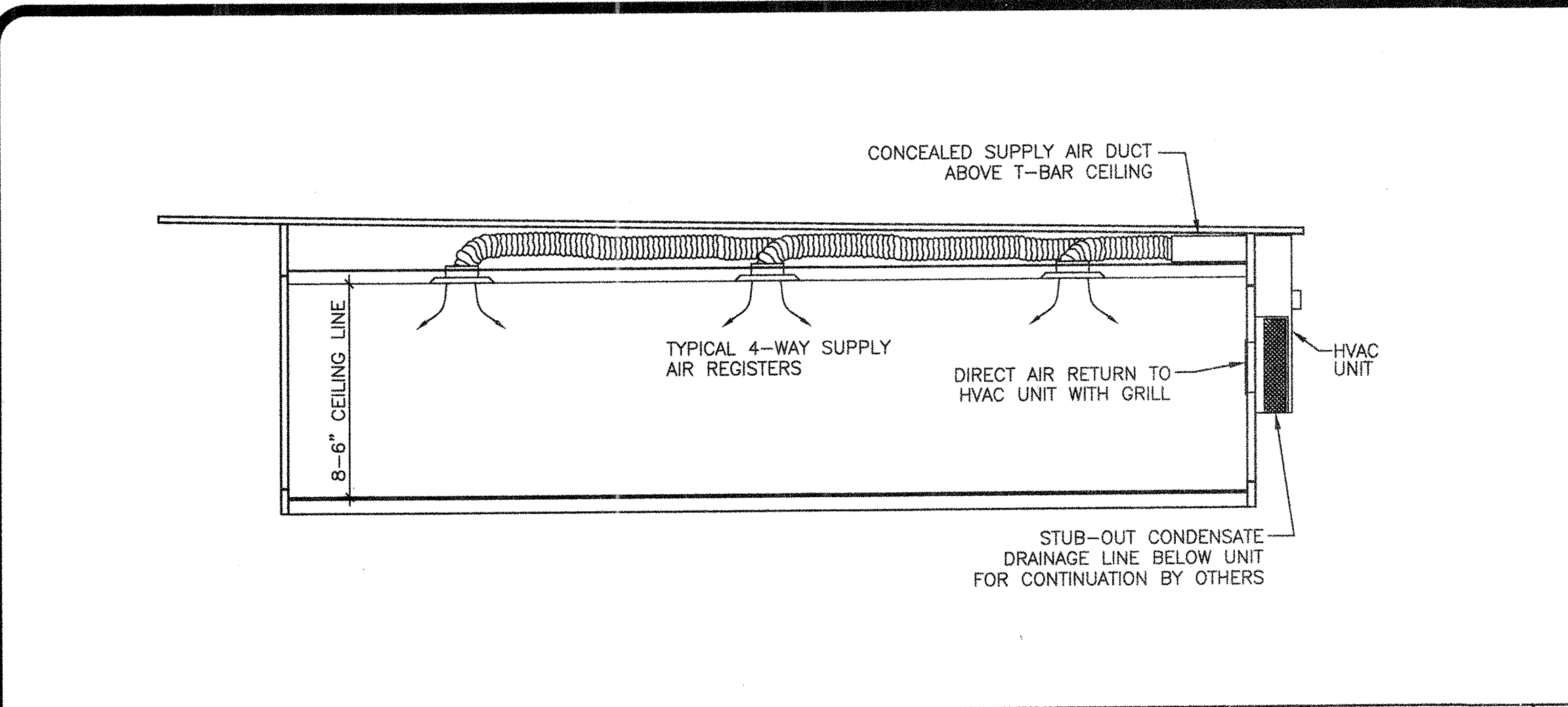
REVISIONS  
  
A  
B  
C  
D

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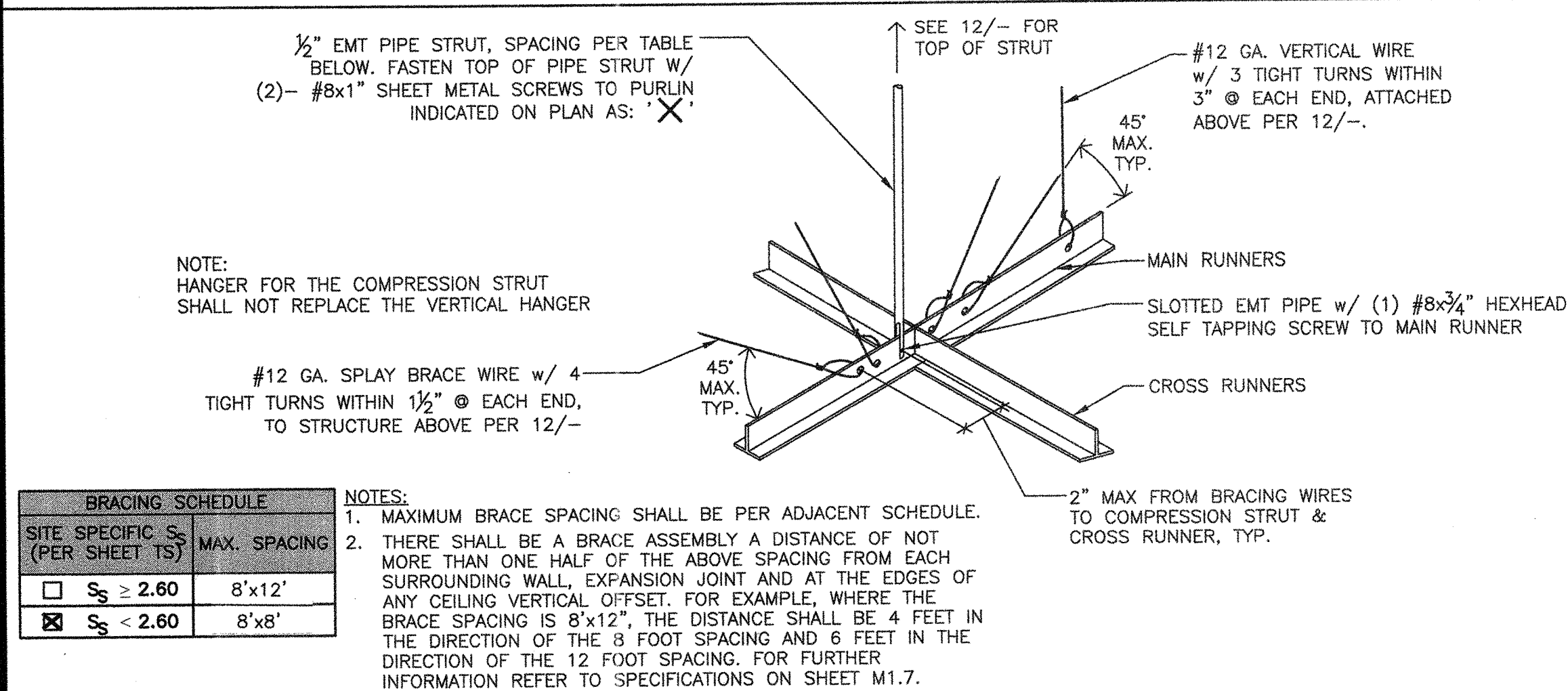
SHEET NUMBER

M1.1

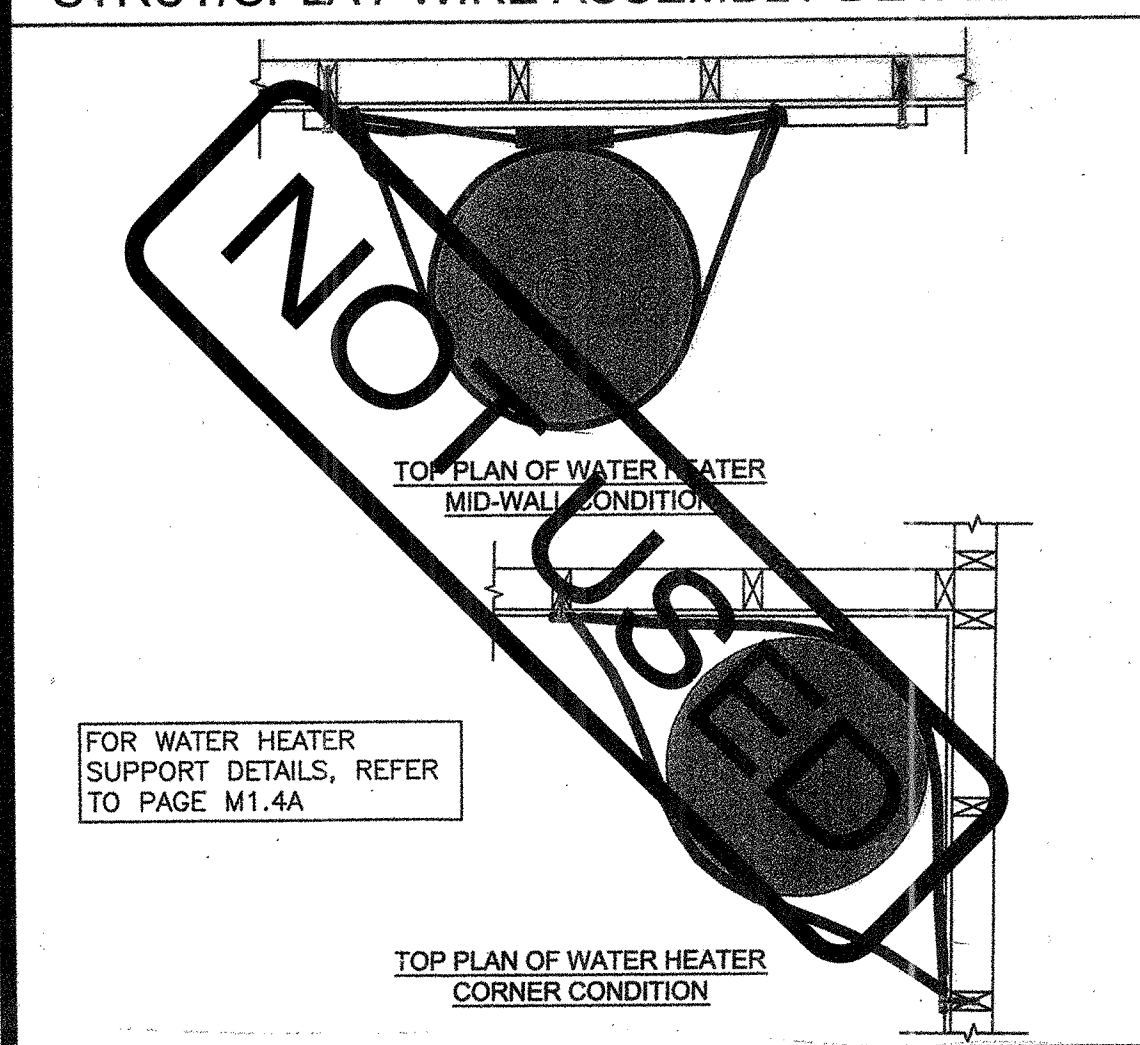




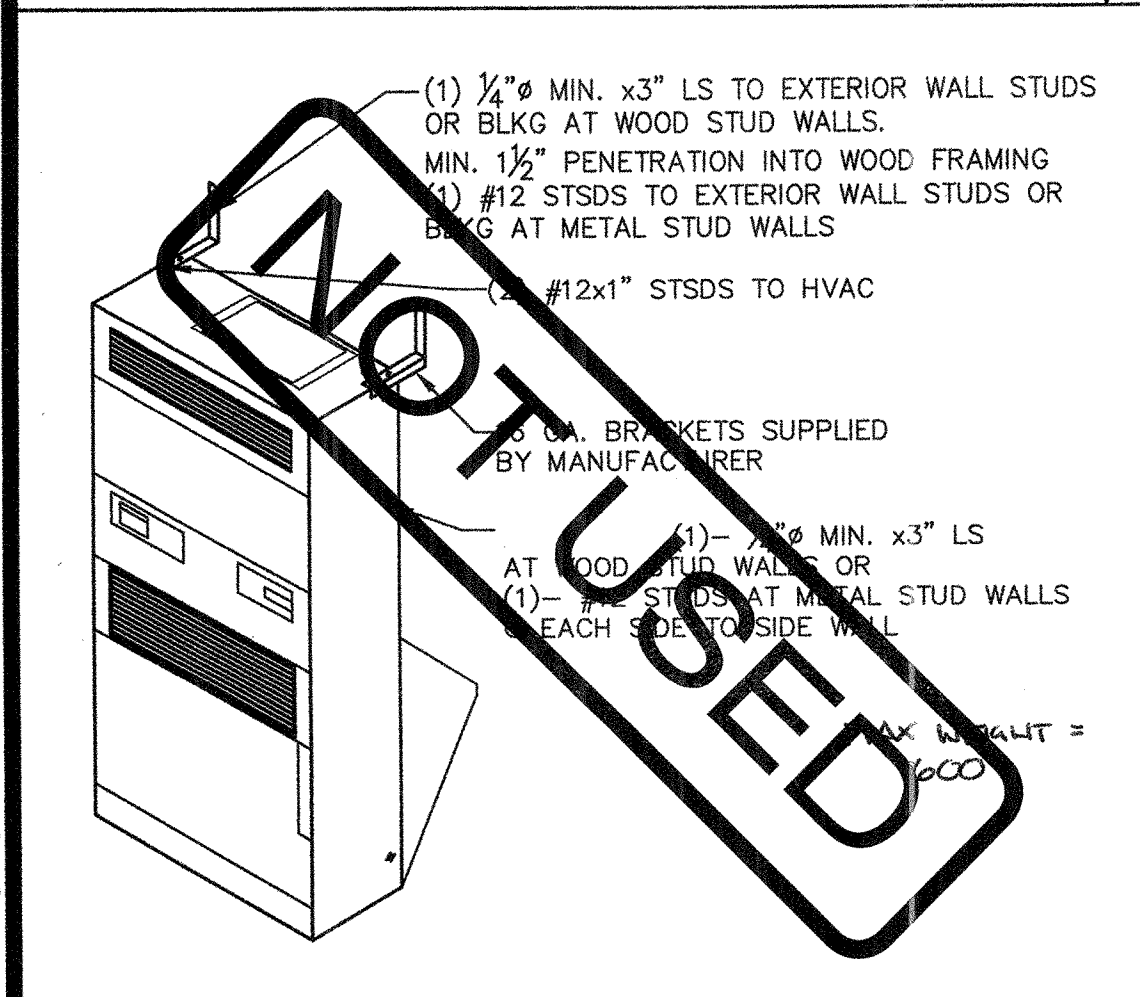
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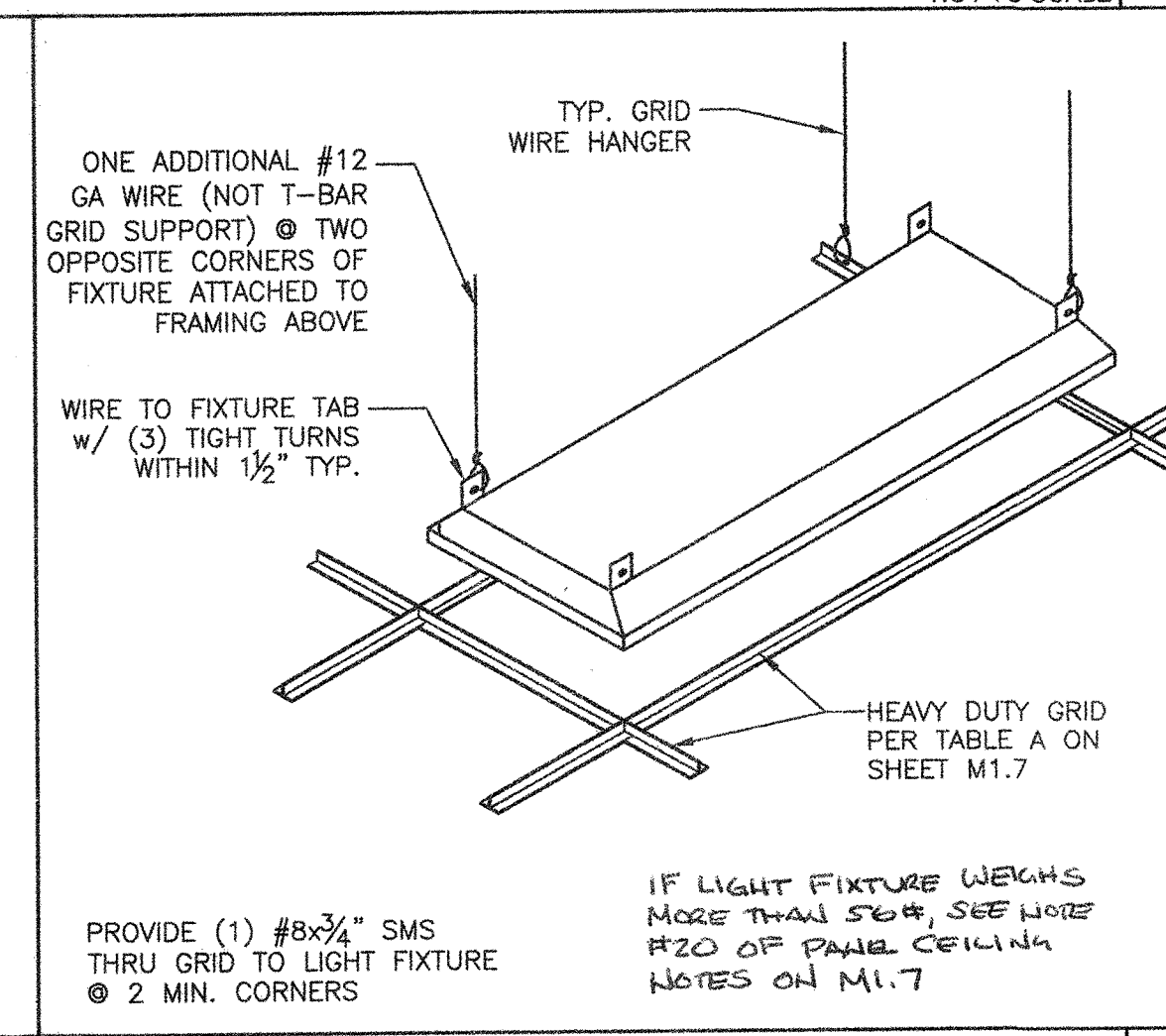
STRUT/SPLAY WIRE ASSEMBLY DETAIL



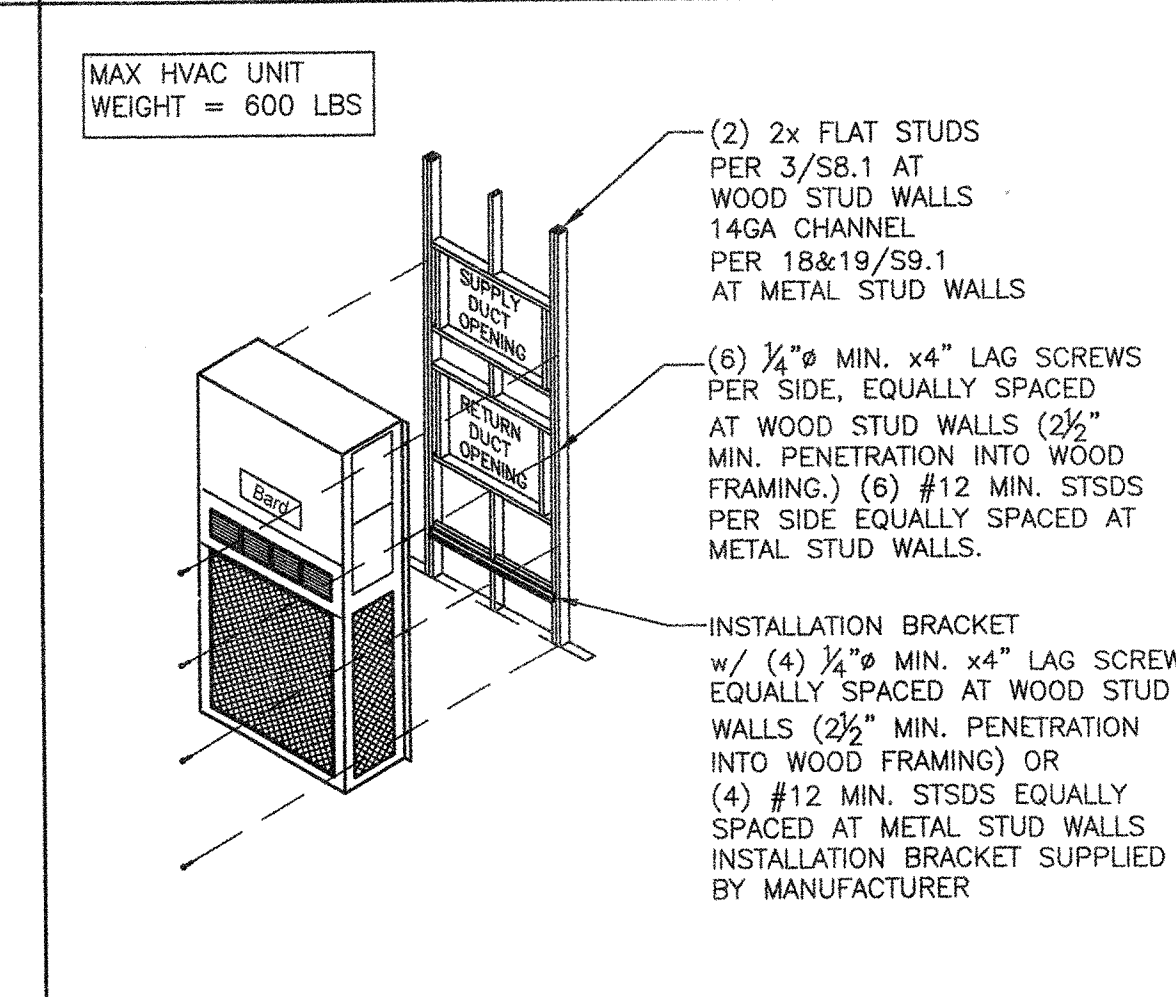
WATER HEATER STRAP DETAIL



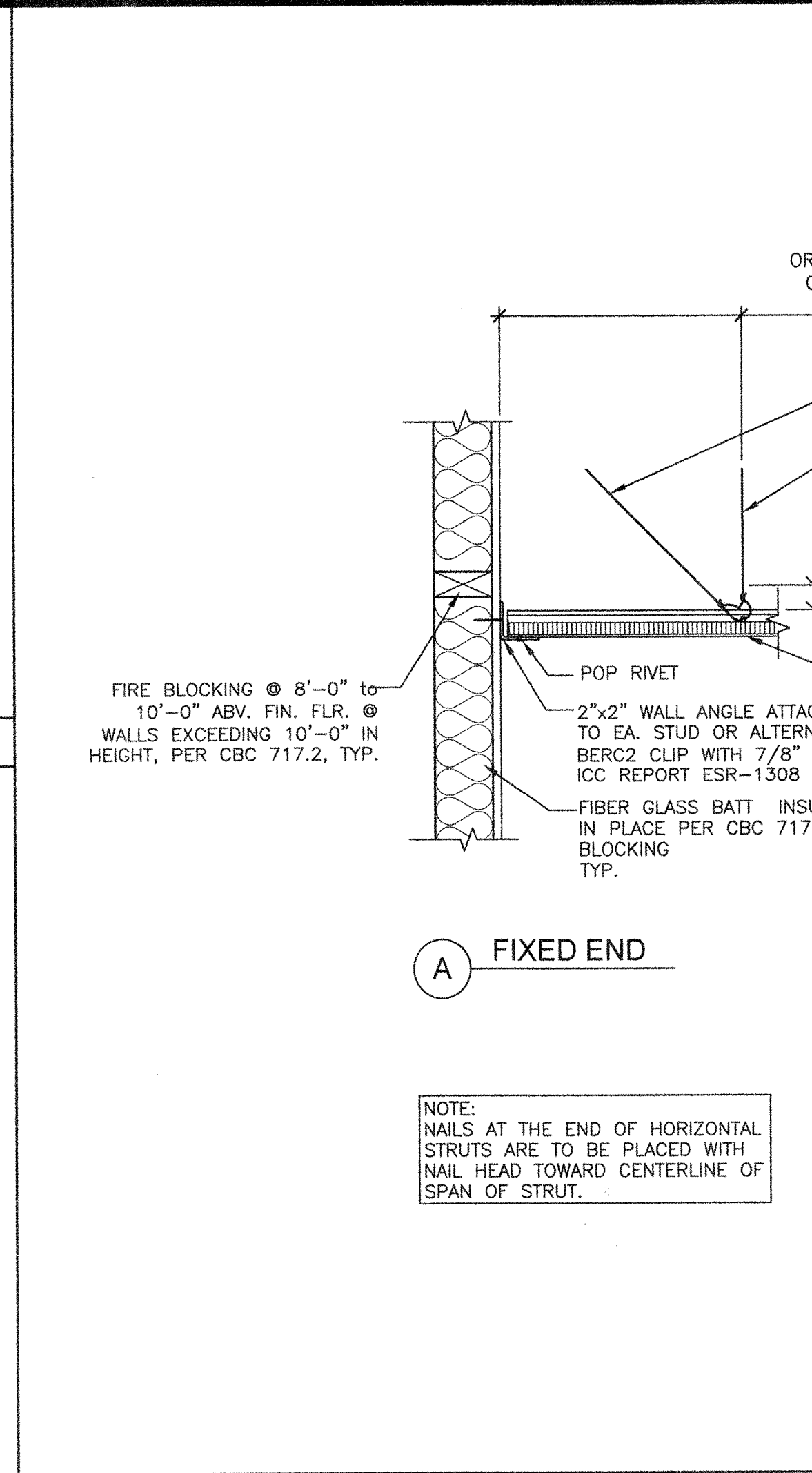
INTERIOR HVAC ANCHORAGE



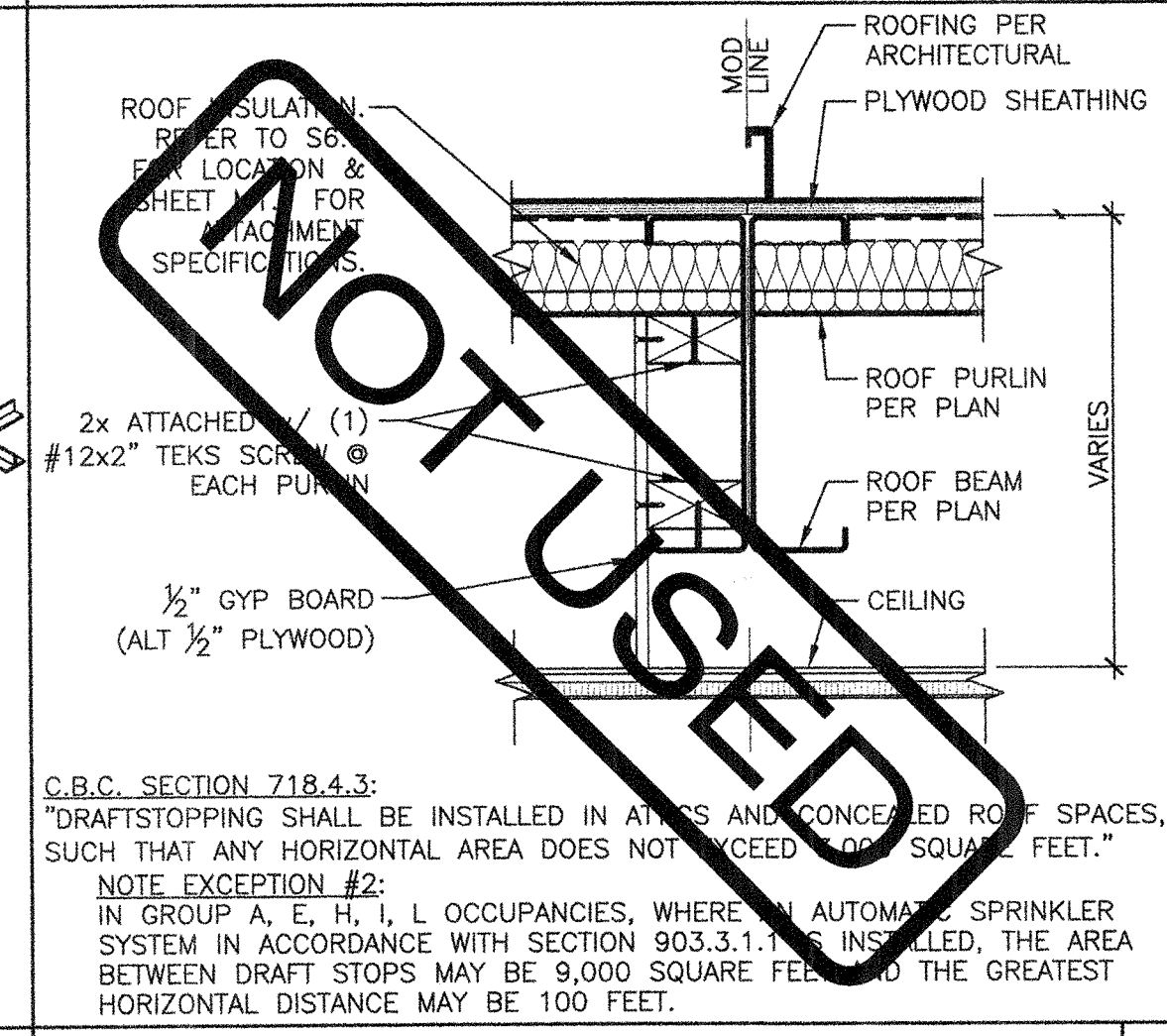
LIGHT FIXTURE ATTACHMENT



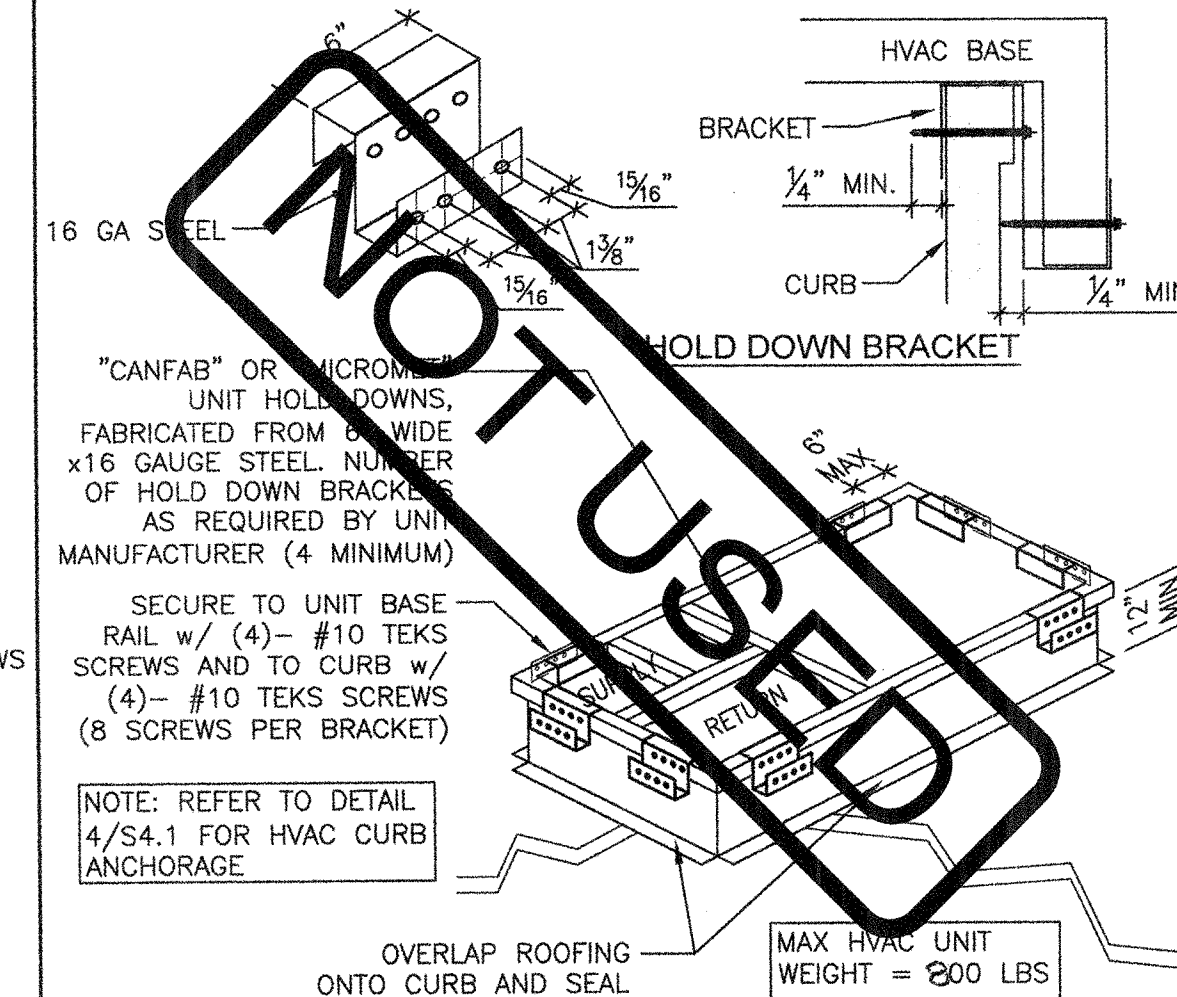
WALL MOUNT HVAC ANCHORAGE



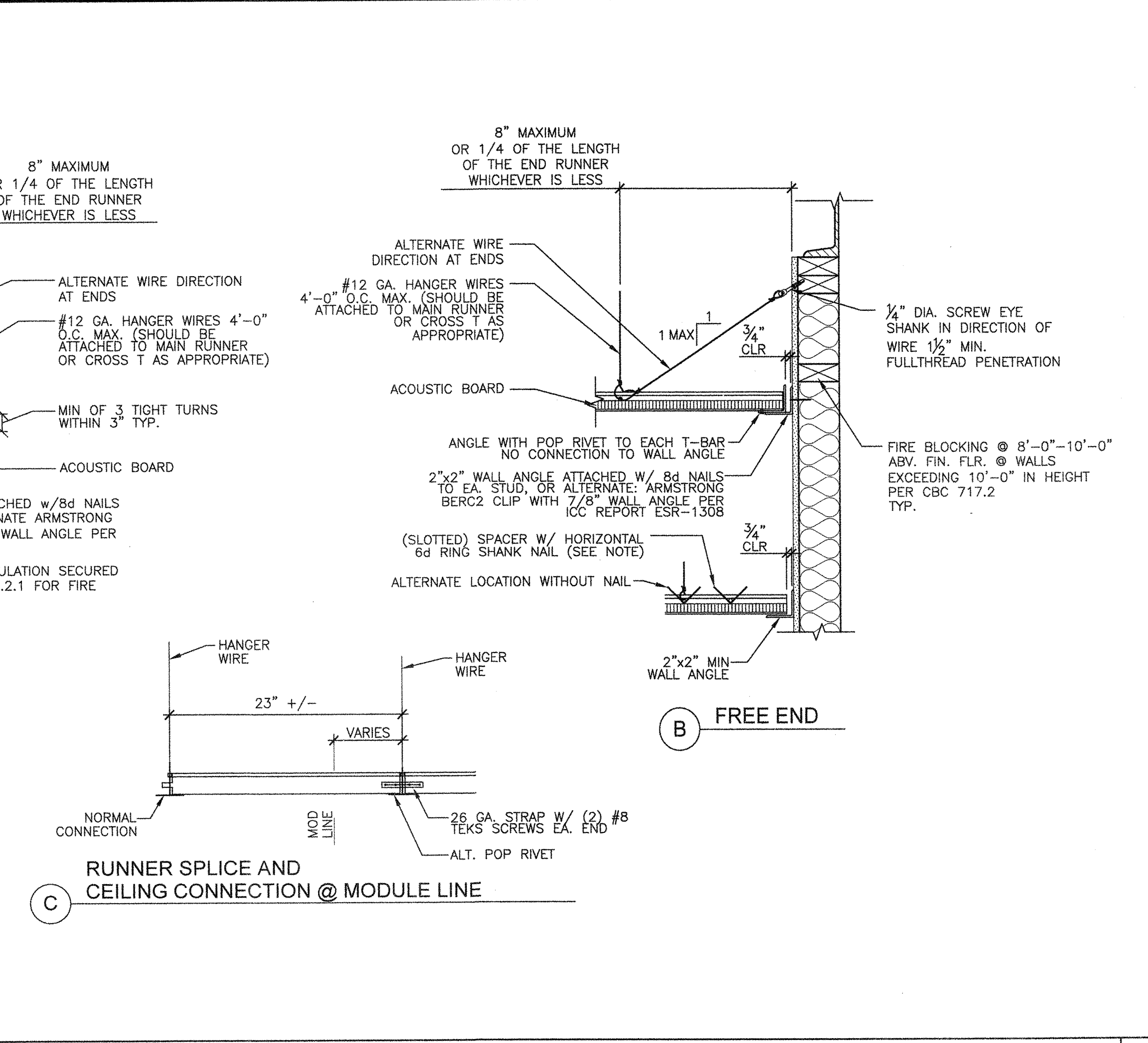
SUSPENDED CEILING ATTACHMENT DETAILS



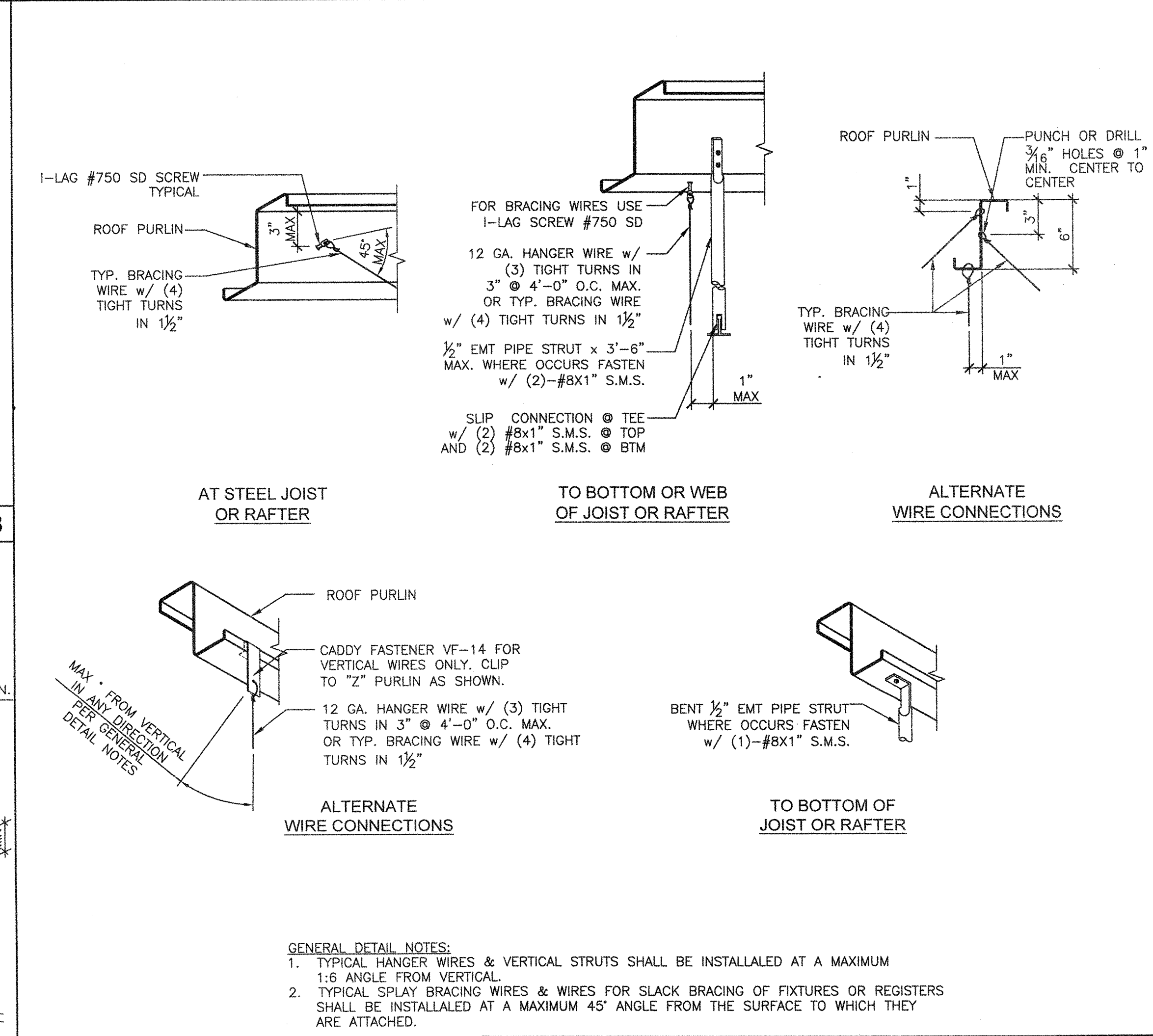
CEILING DRAFT STOP DETAIL



OPTIONAL HVAC ROOF CURB



SUSPENDED CEILING TO PURLIN CONNECTION DETAILS



SUSPENDED CEILING TO PURLIN CONNECTION DETAILS

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PRE-CHECKED SET NAME

24'x40' THRU 120'x40' STANDARD MODULAR BUILDINGS

SITE SPECIFIC PROJECT NAME

SHEET TITLE

MECHANICAL AND CEILING DETAILS

MANUFACTURER PROFESSIONAL OF RECORD ON PC

STATE OF CALIFORNIA

NO. C12631

Ren. 2-31-19

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IDENTIFICATION STAMP

DATE: 02/11/2020

AC: FLS

DATE: 02-31-2020

ORIGINAL PC STATE AGENCY APPROVAL

IDENTIFICATION STAMP

DATE: 02-31-2020

PC 02-145700

AC: FLS

DATE: 02-31-2020

PRE-CHECK (PC) DOCUMENT

CODE: 2016 CBC

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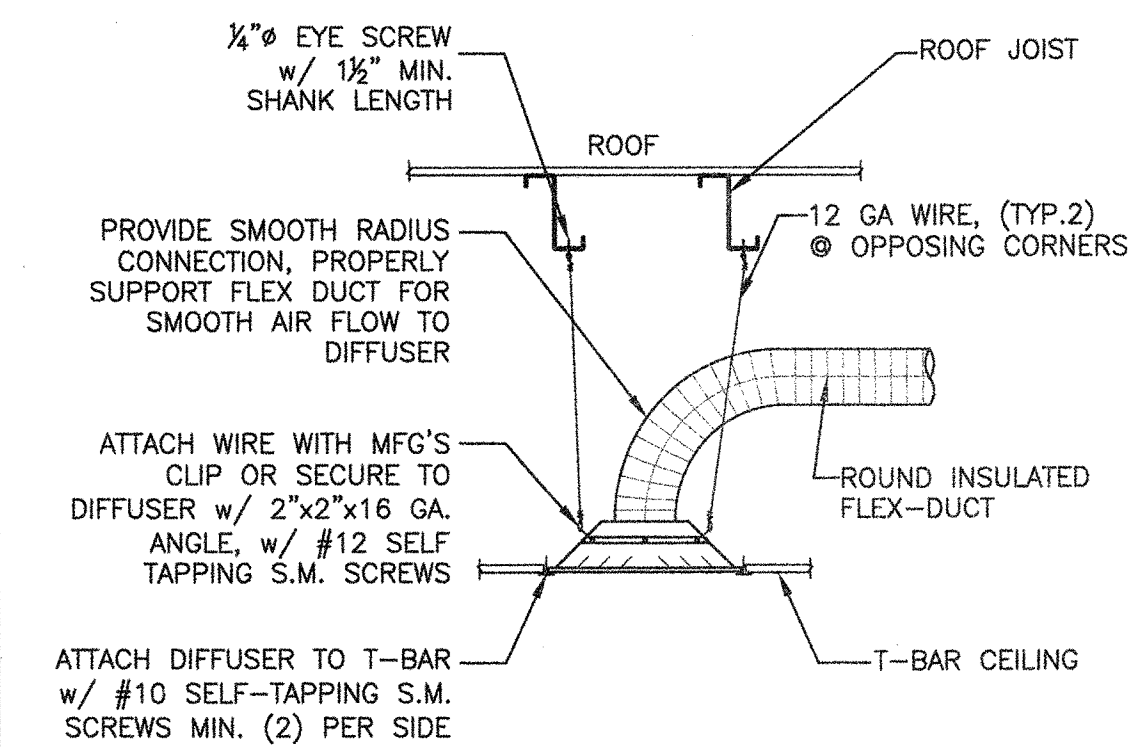
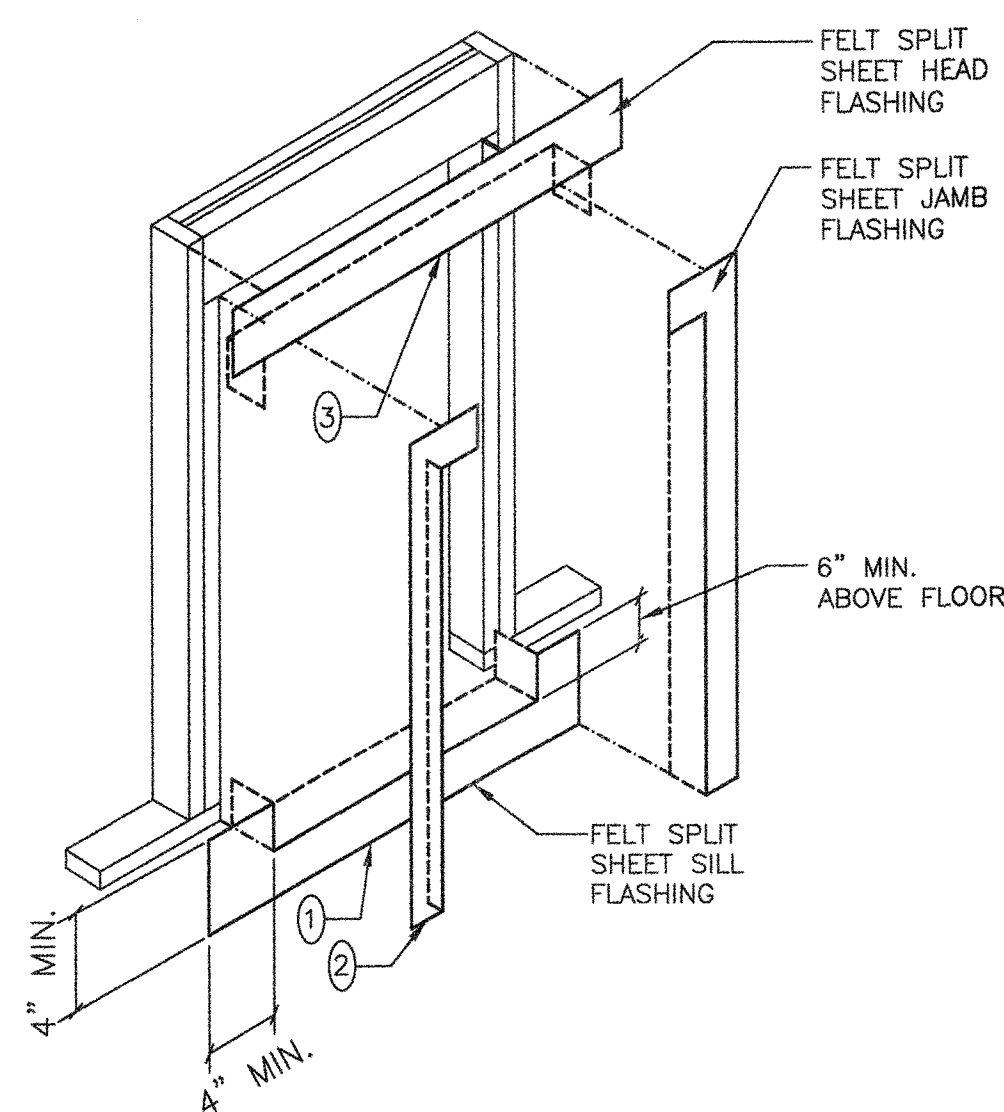
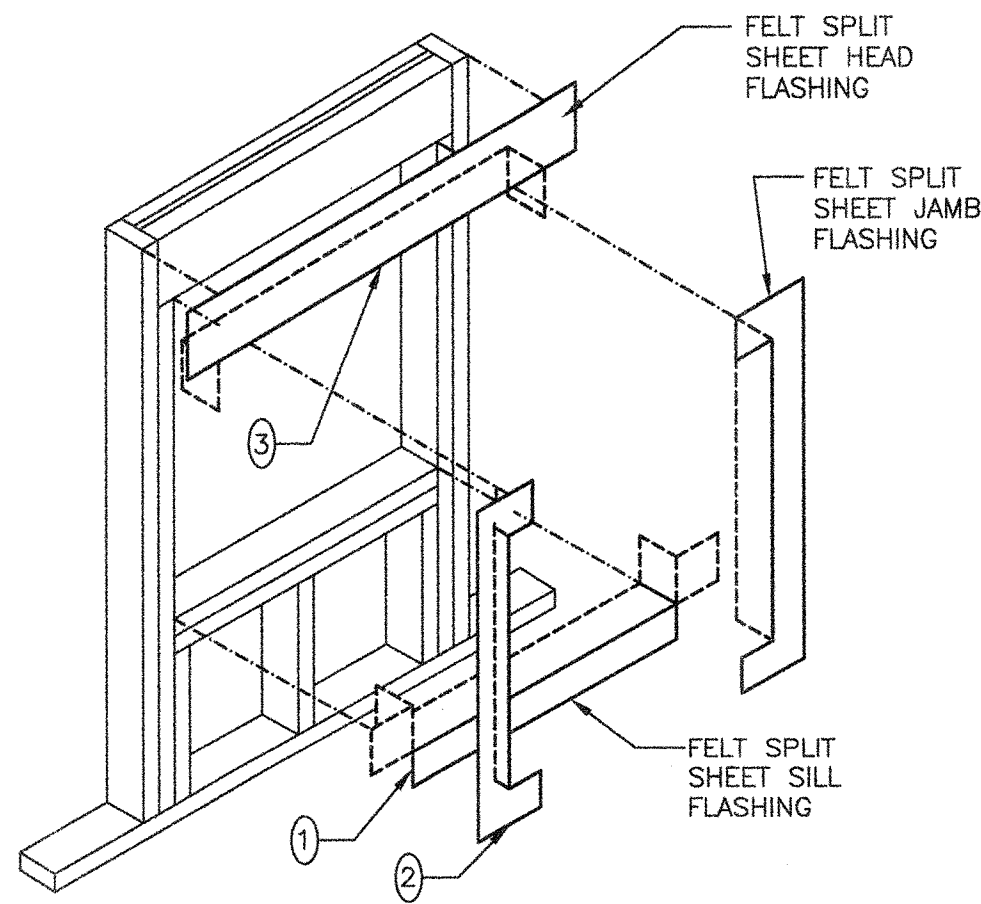
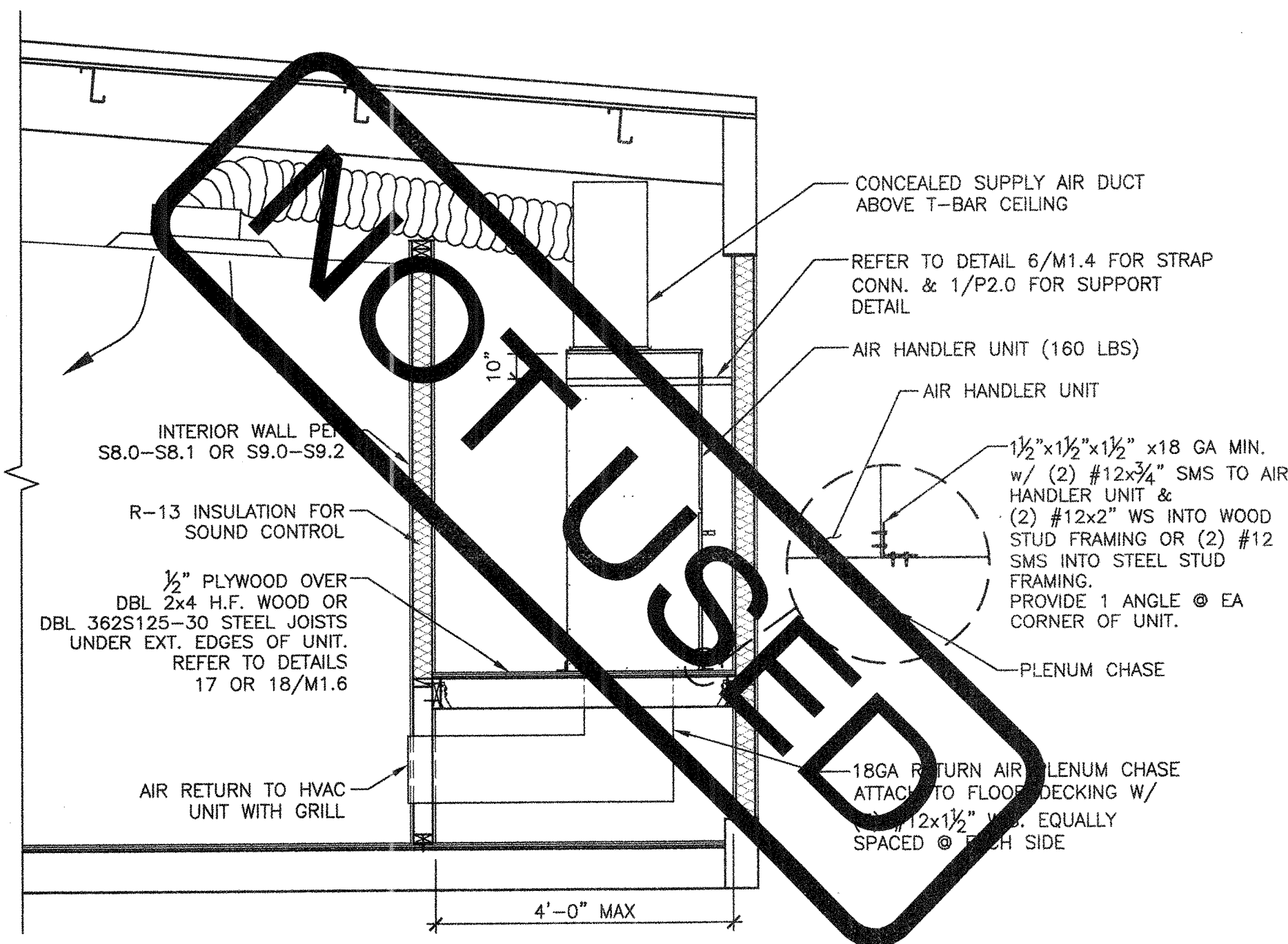
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SHEET NUMBER

M1.4





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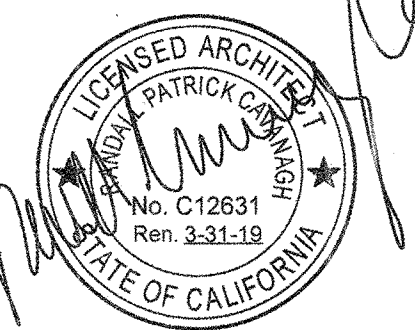
24'x40' THRU 120'x40'  
STANDARD MODULAR  
BUILDINGS

SITE SPECIFIC PROJECT NAME

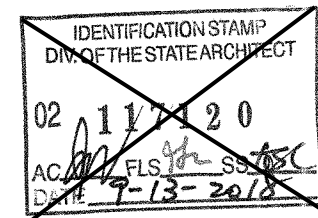
SHEET TITLE

MECHANICAL  
& CEILING  
DETAILS

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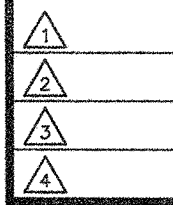


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SHEET NUMBER

M1.5

SPLIT SYSTEM CROSS SECTION

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

FLASHING @ WALL OPENINGS

NOT TO SCALE

FLEX DUCTING SUPPORT DETAIL

NOT TO SCALE

HVAC ATTIC MOUNTED SPLIT SYSTEM

NOT TO SCALE

DRAFT STOP @ PLUMBING CHASE

SCALE: 1" = 1'-0"

DRAFT STOP @ PLUMBING CHASE

SCALE: 1" = 1'-0"

CONDENSATE DETAIL

NOT TO SCALE

LIGHT FIXTURE ATTACHMENT DETAIL

NOT TO SCALE

LIGHT FIXTURE ATTACHMENT DETAIL w/ METAL STUDS

NOT TO SCALE

GAS CONNECTION DETAIL

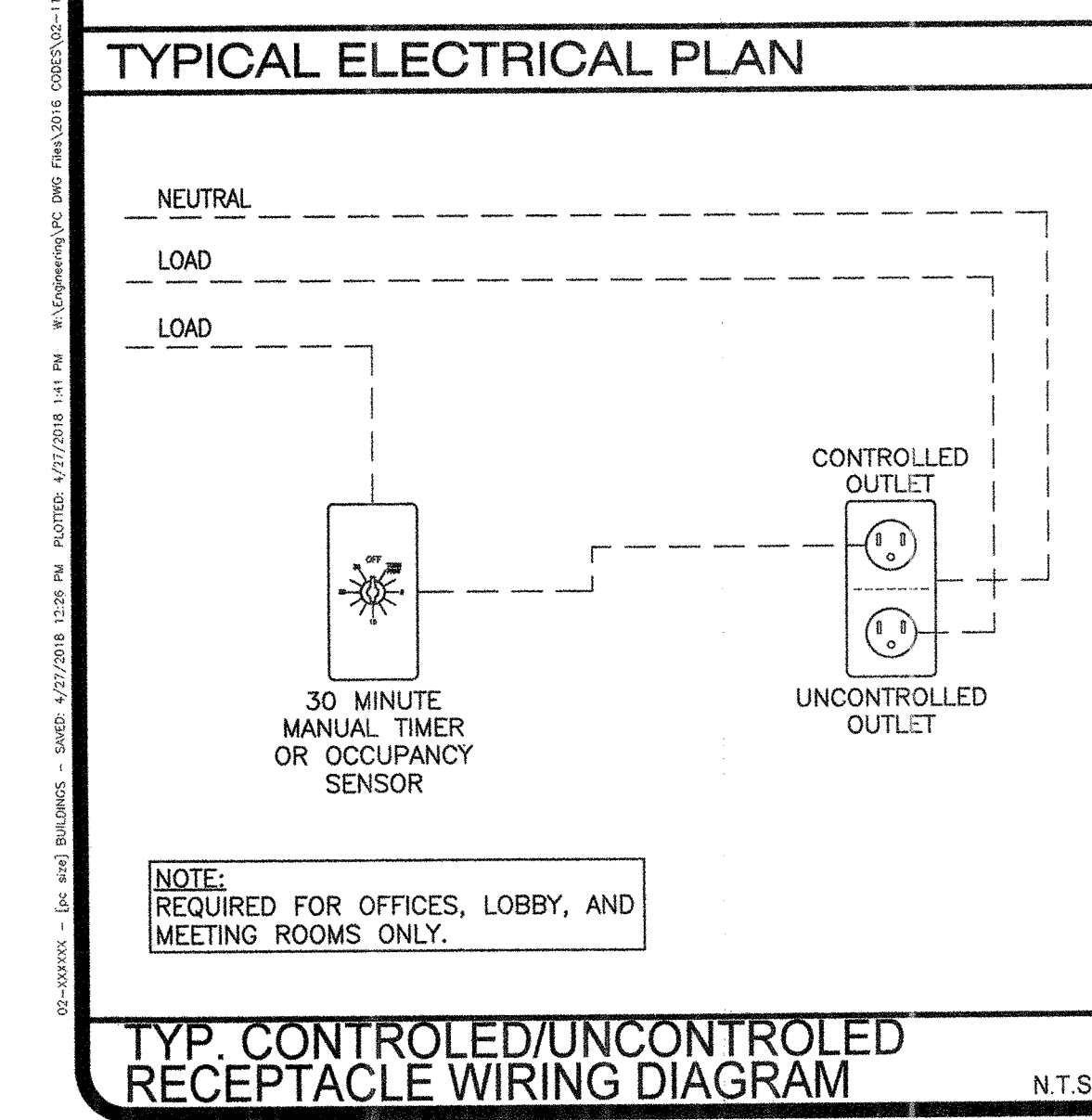
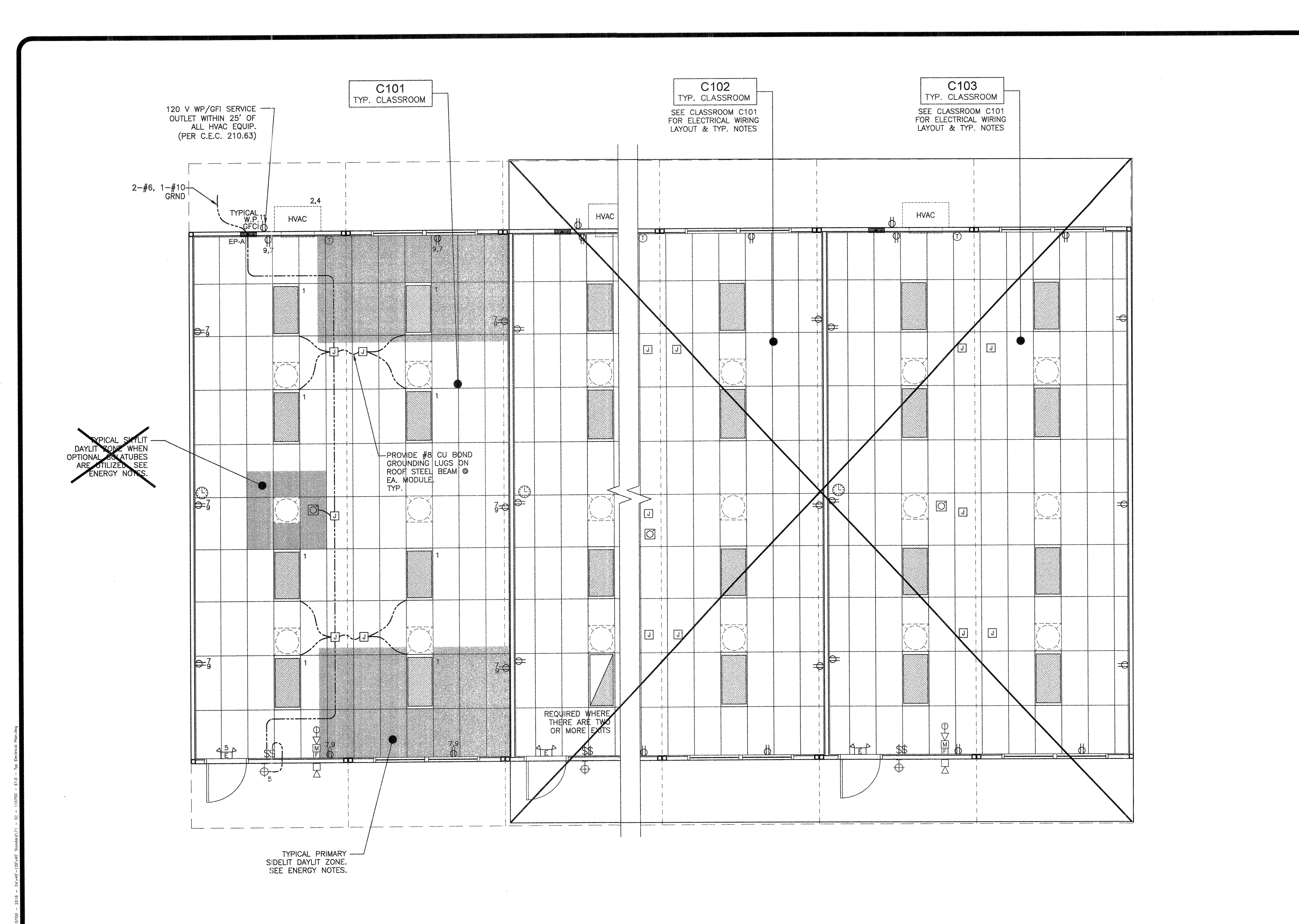
NOT TO SCALE



- | MANUFACTURER  | MAIN TEE | H.D. 4' CROSS TEE | H.D. 2' CROSS TEE | RUNNER SPLICE<br>DETAIL |
|---|----------|-------------------|-------------------|-------------------------|
| DONN/USG  | DX-26    | DX-424            | DX-216            | N/A                     |
| ARMSTRONG   | 7301     | XL7341            | XL8320            | N/A                     |
| CHICAGO/ROCKFON   | 200.01   | 1274.01           | 1202.01           | N/A                     |
| NOTE: ALL GRID COMPONENTS SHALL BE BY THE SAME MANUFACTURER |          |                   |                   |                         |

RV-1 PCX41





**ENERGY CONTROLS**

1. AUTOMATIC DAYLIGHTING CONTROLS:  
NOT REQUIRED IN ROOMS WHERE COMBINED INSTALLED LIGHTING POWER IN COMBINED SKYLIT & PRIMARY DAYLIT ZONES ARE <120 WATTS. INSTALLED WATTAGE IN PRIMARY SKYLIT DAY LIT ZONE IS 80 WATTS (2x 40w, AS SHOWN IN THE SHADED AREAS). THEREFORE, AUTOMATIC DAYLIGHTING CONTROLS ARE ONLY REQUIRED WHEN "SOLATUBES" ARE INSTALLED. SEE A1.1

2. ENERGY MANAGEMENT CONTROL SYSTEM (EMCS) CONNECTION:  
PER TITLE 24 CODE, "AN EMCS MAY BE INSTALLED TO COMPLY WITH THE REQUIREMENTS OF ONE OR MORE LIGHTING CONTROLS IF IT MEETS THE MINIMUM REQUIREMENTS". PC MAY CONTAIN OCCUPANCY SENSORS AND PHOTOCELL CONTROL LIGHTING, IN THAT CASE, AN EMCS IS NOT REQUIRED FOR THIS PC.

3. SOLAR-READY ZONE REQUIREMENTS:  
REQUIREMENTS & TABLE CAN BE FOUND ON SHEET A2.0

NOTE: ANT MONITORING EQUIPMENT OR ASSOCIATED SENSORS ARE SITE SPECIFIC AND ARE NOT INCLUDED IN THE BASE PC.

1. THE PROJECT ARCHITECT SHALL BE RESPONSIBLE FOR THE PLACEMENT OF HEAT & SMOKE DETECTORS, EVACS AND PULL STATIONS, AND COMPLETE FIRE ALARM SYSTEM WHEN THE SITE SPECIFIC PROJECT IS REQUIRED TO MEET THE PROVISIONS OF SB 575 & CBC 907.2.3.

2. ANY MONITORING EQUIPMENT OR ASSOCIATED SENSORS ARE SITE SPECIFIC AND ARE NOT INCLUDED IN THIS BASE PC.

3. PULL STATIONS ARE REQUIRED AT EVERY EXIT. AT ANY SPACE REQUIRING 2 OR MORE EXITS, PROVIDE EXIT SIGNS (CBC 1013) AND EMERGENCY EXIT ILLUMINATION (CBC 1008).

4. SEE PLANS FOR LOCATIONS OF ALL DEVICES.

5. STUB-OUT LOCATIONS FOR ELECTRICAL PANEL, FIRE ALARM, AND DATA BOXES ARE SHOWN DIAGRAMMATICAL ONLY. EXACT LOCATIONS MAY VARY +/- SEVERAL FEET. PLEASE CONTACT AMERICAN MODULAR SYSTEMS FOR EXACT LOCATIONS. POINT OF CONNECTION WILL BE AT FACE OF BUILDING.

6. STUB-UP ALL FIRE ALARM JUNCTION BOXES TO ACCESSIBLE ATTIC SPACE WITH 1/2" MIN. GALV. THIN WALL TUBING (EMT). DO NOT CONNECT FIRE ALARM CONDUIT WITH ANY OTHER ELECTRICAL CONDUIT.

7. THE LIGHTS FOR EACH ROOM OVER 250 SQ FT SHALL BE CONTROLLED BY ULTRASONIC OCCUPANCY SENSOR: WATT STOPPER W-500A, W-1000A, OR W-2000A (OR EQUAL) BASED ON THE ROOM SIZE, IN CONJUNCTION WITH BI-LEVEL SWITCHING.

8. FIXTURE MOUNTING SHALL COMPLY WITH CALIFORNIA SEISMIC REGULATIONS.

9. LIGHTING FIXTURES MAY BE INSTALLED ROTATED 90° FROM SHOWN TO MATCH T-BAR GRID LAYOUT.

**DEMAND RESPONSE CONTROLS**

1. DEMAND RESPONSE CONTROLS ARE REQUIRED IN BUILDINGS LARGER THAN 10,000 S.F.

2. DEMAND RESPONSE CONTROLS, WHERE REQUIRED, ARE TO BE PROVIDED BY OTHERS.

3. DEMAND RESPONSE CONTROLS AND EQUIPMENT SHALL BE CAPABLE OF RECEIVING AND AUTOMATICALLY RESPONDING TO AT LEAST ONE STANDARD-BASED MESSAGING PROTOCOL WHICH ENABLES DEMAND RESPONSE AFTER RECEIVING A DEMAND SIGNAL.

4. SITE-SPECIFIC PROJECTS WHICH REQUIRE DEMAND RESPONSE CONTROLS MUST INCLUDE THE SUBMITTAL OF FORM NRCC-ELC-01-E TO DSA (BY OTHERS).

- ELECTRICAL PANEL** - MOUNT FLUSH WITH WALL FINISH, U.O.N.
- INCANDESCENT WALL MOUNTED INTERIOR LIGHT FIXTURE**
- EXTERIOR LIGHT FIXTURE** - EACH DOOR, LED OR EQUAL (MAX 35W) - WHERE THERE ARE TWO OR MORE EXITS, A MINIMUM 90 MIN. BATTERY BACK-UP IS REQUIRED
- EXTERIOR SOFFIT MOUNTED LIGHT FIXTURE**  
ENERTRON MODEL 110BSH2X7LED-50 LOW PROFILE CANOPY, LED OR EQUAL (MAX 16W)  
(AT STAIR LANDINGS, PROVIDE (1) WITH EMERGENCY 90 MINUTE MINIMUM BATTERY BACK-UP.)
- UNCONTROLLED-DUPLEX WALL CONVENIENCE OUTLET** - MOUNT @ +18" A.F.F. TO CENTERLINE, U.O.N.
- CONTROLLED-DUPLEX WALL CONVENIENCE OUTLET** - MOUNT @ +18" A.F.F. TO CENTERLINE, U.O.N. TO BE CONTROLLED BY OCCUPANCY SENSOR.
- COMBO-DUPLEX WALL CONVENIENCE OUTLET** - MOUNT @ +18" A.F.F. TO CENTERLINE, U.O.N.
- FOURPLEX WALL OUTLET** - MOUNT @ +18" A.F.F. TO CENTER LINE - U.O.N.
- WEATHER-PROOF GROUND FAULT CIRCUIT INTERRUPT OUTLET** - MOUNT @ 18" A.F.F. TO CENTERLINE - U.O.N.
- GROUND FAULT CIRCUIT INTERRUPT OUTLET** - MOUNT @ 18" A.F.F. TO CENTERLINE - U.O.N.
- CONTROLLED-SINGLE POLE LIGHT SWITCHES** - MOUNT @ +48" A.F.F. MAX TO TOP OF BOX - HUBBELL PREMIUM, BRYANT HEAVY DUTY, OR LEVITON SPECIFICATIONS GRADE.
- SINGLE POLE SOLA-TUBE SWITCH** - MOUNT @ +48" A.F.F. MAX TO TOP OF BOX.
- SWITCH SUBSCRIPTS** - a=DEVICE CONTROLLED.
- THERMOSTAT** - TOP OF BOX MOUNTED @ +48" A.F.F.
- JUNCTION BOX** - SIZE / LOCATION A.F.F. / TYPE AS NOTED
- ELECTRICAL CROSSOVER** - J-BOX - ABOVE CEILING - #1- 4"x1", #22- 4"x2"
- CLOCK/SPEAKER COMBO** - MOUNT @ +90" A.F.F. TO CENTERLINE - U.O.N. - DEVICE BY OTHERS
- SPEAKER OUTLET ONLY** - 1" SQ. BOX WITH SINGLE DEVICE RING AND COVER - MOUNT @ +18" A.F.F. TO CENTERLINE - DEVICE BY OTHERS
- DATA/COMMUNICATION** - OUTLET ONLY - 4" SQ BOX WITH SINGLE DEVICE RING AND COVER - MOUNT @ +18" A.F.F. TO CENTERLINE, U.O.N., AND PROVIDE A 3/4" CONDUIT STUBBED ABOVE CEILING - DEVICE BY OTHERS
- CATV** - OUTLET ONLY - PROVIDE (1) 4" SQ. BOX WITH SINGLE DEVICE RING AND COVER - MOUNT @ +18" A.F.F. TO CENTERLINE, U.O.N., AND PROVIDE A 3/4" CONDUIT STUBBED ABOVE CEILING - DEVICE BY OTHERS
- INTERCOM/TELEPHONE** - OUTLET ONLY - 1" SQ. BOX WITH SINGLE DEVICE RING AND COVER - MOUNT TOP OF BOX @ +18" A.F.F. U.O.N. AND PROVIDE A 3/4" CONDUIT STUBBED ABOVE CEILING - DEVICE BY OTHERS
- SECURITY/INTRUSION KEY PAD** - OUTLET ONLY - 1" SQ. BOX WITH SINGLE DEVICE RING AND COVER - MOUNT TOP OF BOX @ +18" A.F.F. AND ONE 3/4" CONDUIT STUBBED ABOVE CEILING - DEVICE BY OTHERS
- DOOR CONTACT** - PROVIDE (1) 1/8" DIA. EXT. THROUGH DOOR HEADER - STUBBED ABOVE CEILING - DEVICE BY OTHERS
- MOTION SENSOR OUTLET** - PROVIDE (1) 4" SQ. BOX WITH SINGLE DEVICE RING AND COVER AND ONE 3/4" CONDUIT STUBBED ABOVE CEILING
- ULTRASONIC OCCUPANCY SENSOR** - MOUNTED TO FINISH CEILING
- FIRE ALARM PULL STATION** - OUTLET ONLY - PROVIDE (1) 4" SQ. BOX WITH SINGLE DEVICE RING AND COVER - TOP OF OPERATING HANDLE MOUNTED BETWEEN +42" TO +48" A.F.F. - DEVICE BY OTHERS
- FIRE ALARM HORN** - OUTLET ONLY - 4" SQ. SINGLE GANG J-BOX WITH BLANK WEATHERPROOF COVER - MOUNTED +90" A.F.F. TO CENTERLINE - DEVICE BY OTHERS
- MINI HORN BOX** - OUTLET ONLY - SINGLE DEVICE RING AND COVER - MOUNTED +80" A.F.F. TO CENTERLINE BUT NO GREATER THAN +96" - DEVICE BY OTHERS
- VISUAL FIRE ALARM ALARM** - OUTLET ONLY - 4" SQ. BOX WITH SINGLE DEVICE RING AND COVER - MOUNT SO THAT LENS IS BETWEEN 80"-96" A.F.F. (CEILING MOUNT PER NFPA72 TABLE 6-4.4.1(b) ) DEVICE BY OTHERS.
- 2'x4' LED DROP IN FIXTURE, MODEL: LITHONIA, VTLED 2VTL4, 4000K SP41 - 40 WATTS MAX (60 WATTS ALLOWABLE AT CZN 16) OR EQUAL**
- 2'x4' LED DROP IN FIXTURE, MODEL: LITHONIA, VTLED 2VTL4, 4000K SP41 - 40 WATTS MAX (60 WATTS ALLOWABLE AT CZN 16) OR EQUAL**
- 24 HOUR EMERGENCY LIGHTING WITH MINIMUM 90 MINUTE BATTERY BACK-UP** - WHERE TWO OR MORE EXITS ARE REQUIRED
- EMERGENCY EXIT LIGHT** - WHERE THERE ARE TWO OR MORE EXITS, AN EXIT SIGN WITH INTEGRAL EMERGENCY LIGHTING WITH MINIMUM 90 MINUTE BATTERY BACK-UP IS REQUIRED

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**24'x40' THRU 120'x40' STANDARD MODULAR BUILDINGS**

SITE SPECIFIC PROJECT NAME

SHEET TITLE  
**TYPICAL ELECTRICAL PLAN**

MANUFACTURER PROFESSIONAL OF RECORD ON PC

THESE DRAWINGS ARE PRELIMINARY AND NOT FOR CONSTRUCTION UNLESS STAMPED & SIGNED BY THE ENGINEER OF RECORD.  
PROJECT SPECIFIC STATE AGENCY APPROVAL

File No. 5700-39  
IDENTIFICATION STAMP  
DIV. OF THE STATE ARCHITECT  
02/11/2020  
AC: [ ] FLS: [ ] SS: [ ]  
DATE: 9-13-2018

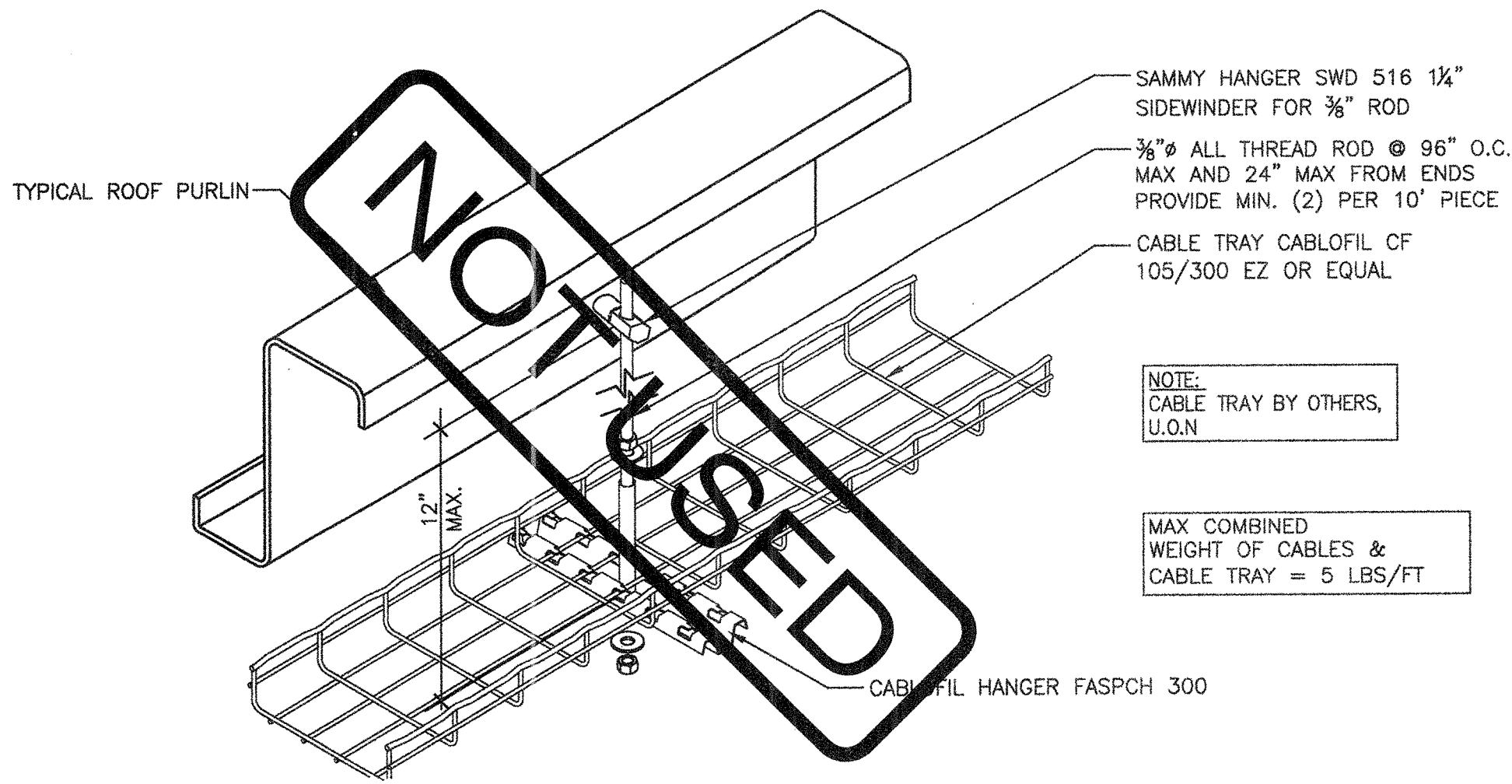
ORIGINAL PC STATE AGENCY APPROVAL  
IDENTIFICATION STAMP  
DIV. OF THE STATE ARCHITECT  
PC 02-118888-5700  
AC: [ ] FLS: [ ] SS: [ ]  
DATE: 8-31-2018

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

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

**E1.0**

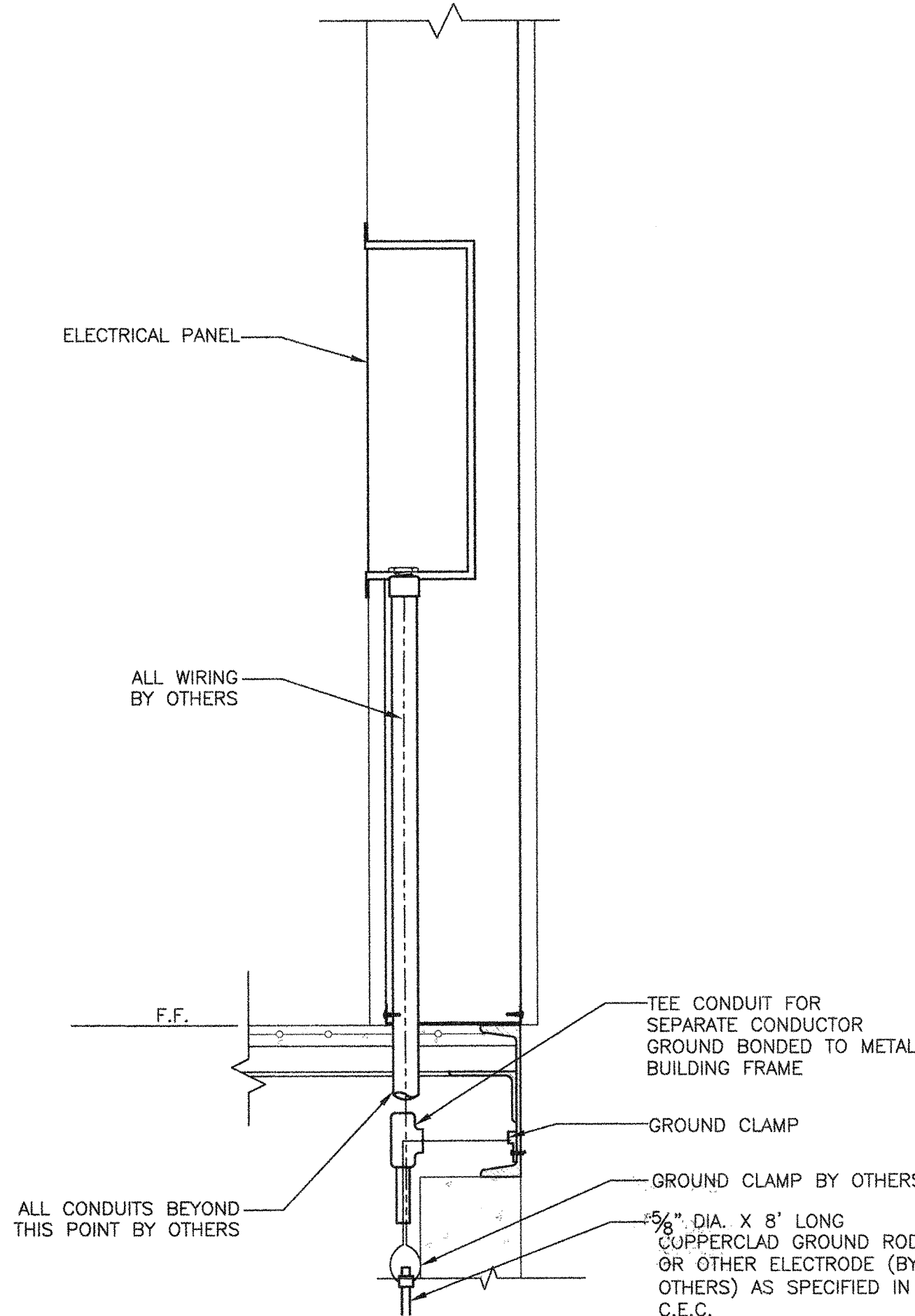




CABLE TRAY DETAIL

SCALE: N.T.S.

1



1. SIZE OF CONDUCTORS SHALL COMPLY W/CEC.A
2. BOND SEPARATE CONDUCTORS FROM GROUND ROD TO ELECTRICAL PANEL & METAL BUILDING FRAME (CEC). IN ADDITION TO THE DETAIL SHOWN ABOVE, BOND THE ELECTRICAL GROUND TO METAL WATER PIPE EMBEDDED AT LEAST 10' INTO THE SOIL IF AVAILABLE (CEC).
3. ELECTRICAL BOND MODULES TOGETHER W/#8 CU @ MODLINE. BY MANUFACTURER. CHECK RESISTANCE TO GROUND. IF RESISTANCE EXCEEDS 25 OHMS, INSTALL ADDITIONAL GROUND RODS (CEC) AS REQUIRED. GROUNDING DETAIL PER DSA IR E-1. INSPECTOR TO WITNESS GROUNDING TEST.

NOT USED

ELECTRICAL PANEL CONNECTION DETAIL - UNDERFLOOR OPTION

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

3

PANEL: A S/N:		PHASE:			VOLTS:		BUSS:			MAIN:			LOCATION:			FEED:			MOUNTING:				
		SINGLE			120/240		125 AMP			100			INTERIOR			BOTTOM			SURFACE				
OBJECT DESCRIPTION		WAT	NO.		WATTS			WIRE		CKT		CKT	WIRE			WATTS			NO.	WATTS	OBJECT DESCRIPTION		
		PER	OF	LCL	A	B	BRK	POLE	SIZE	NO	A	B	NO	SIZE	POLE	BRK	A	B	LCL	OF	PER		
INT. LIGHTS-LED		40	8	x	320		20	1	#12	1	x		2	#6	1	60	5760		x	/	5760	4 TON A/CHVAC UNIT	
BLANK/SPARE						0				3		x	4	#6	1	60		5760	x	/	5760	4 TON A/CHVAC UNIT	
EXT. LIGHTS		75	1	x	75		20	1	#12	5	x		6				0				*	F.A.C.P.	
REC-CONTROLLED		180	1	x		180	20	1	#12	7		x	8					0			*	FUTURE SOLAR ELEC	
REC-UNCONTROLLED		180	1	x	180		20	1	#12	9	x		10				0					BLANK/SPARE	
REC-GFC		180	1	x		180	20	1	#12	11		x	12					0				BLANK/SPARE	
		LEG TOTALS			575	360											5760	5760	LEG TOTALS				
LCL=3113.75+12455=15568.75																							
TOTAL WATTS=15568.75				LEG BALANCE = 1.7%										TOTAL AMPS: 64.87									

NOTE:  
FIRE ALARM DEDICATED CIRCUIT SHALL BE IDENTIFIED WITH A RED MARKED DISCONNECT WITH LOCK-ON CAPABILITY (NFPA 72 10.6.5.2)

LOAD PANEL CALCULATIONS

FIRE ALARM SYSTEM

1. THE FIRE ALARM SYSTEM SHALL CONFORM TO THE CALIFORNIA ELECTRICAL CODE, CALIFORNIA FIRE CODE AND THE CALIFORNIA BUILDING CODE.
2. INSTALLATION OF THE FIRE ALARM SYSTEM SHALL NOT BE STARTED UNTIL DETAILED PLANS AND SPECIFICATIONS, INCLUDING CALIFORNIA STATE FIRE MARSHAL LISTINGS FOR EACH COMPONENT OF THE SYSTEM, HAVE BEEN APPROVED BY DSA.
3. UPON COMPLETION OF THE INSTALLATION OF THE FIRE ALARM SYSTEM, A SATISFACTORY TEST OF THE ENTIRE SYSTEM SHALL BE MADE IN THE PRESENCE OF THE ENFORCING AGENCY.
4. JUNCTION BOXES - GALVANIZED SHEET METAL, SQUARE OR RECTANGULAR WITH BLANK COVERS. LOCATE ONE BOX AT REAR OF BUILDING NEAR MAIN ELECTRICAL PANEL @ +18" ABOVE FINISH FLOOR FOR FUTURE CONNECTION.
5. COVERS - INSTALL GASKETED, METAL, WATERPROOF, FINISH COVERS AT EXTERIOR LOCATIONS. INSTALL FINISH COVERS AT INTERIOR LOCATIONS.
6. THE AUTOMATIC ALARM SYSTEM SHALL BE INSTALLED, TESTED, AND MAINTAINED IN ACCORDANCE WITH THE STATE FIRE MARSHAL'S REGULATIONS (CBC SEC. 907.2.3) AND THE 2016 EDITION OF NFPA 72.
7. THE LOCATION OF AUTOMATIC DETECTORS, MANUAL STATIONS AND OTHER FIRE ALARM EQUIPMENT AND DEVICES, AS SHOWN ON PLAN, ARE FOR REFERENCE ONLY AND DO NOT CONSTITUTE SHOP DRAWINGS WHICH ARE REQUIRED FOR REVIEW AND APPROVAL.
8. ALARM-INDICATING DEVICES OF A FIRE ALARM SYSTEM INTENDED TO ALERT ALL OCCUPANTS SHALL CAUSE A LEVEL OF AUDIBILITY OF NOT LESS THAN 15 dBA ABOVE THE AVERAGE AMBIENT NOISE LEVELS OR 5dBA ABOVE THE MAXIMUM SOUND LEVEL HAVING A DURATION OF 60 SECONDS, WHICHEVER IS GREATER, MEASURED 5' ABOVE THE FLOOR. AMBIENT NOISE LEVELS MEANS THE LEVEL WHICH CAN NORMALLY BE EXPECTED WHEN THE FACILITY, BUILDING, ROOM, OR AREA IS FUNCTIONING UNDER NORMAL OPERATING OR WORKING CONDITIONS (NFPA 72, SEC. 18.4.1).
9. THE ALARM SYSTEM SHALL ACTIVATE A MEANS OF WARNING THE HEARING IMPAIRED. FLASHING VISUAL WARNINGS SHALL HAVE A FLASH RATE NOT EXCEEDING TWO FLASHES PER SECOND (2 HZ), NOR BE LESS THAN ONE FLASH EVERY SECOND (1 HZ). STROBE SIGNALING DEVICES FOR THE HEARING IMPAIRED SHALL BE STATE FIRE MARSHAL APPROVED AND LISTED (NFPA 72, SEC. 18.5.3).
10. AUTOMATIC FIRE ALARM SYSTEM SHALL TRANSMIT THE ALARM, SUPERVISORY AND TROUBLE SIGNALS TO AN APPROVED SUPERVISING STATION AS REQUIRED BY NFPA 72 CHAPTER 26 AS AMENDED BY ARTICLE 91. THE SUPERVISING STATION SHALL BE LISTED AS EITHER UJFX OR UJUS BY UNDERWRITERS LABORATORY OR SHALL MEET THE REQUIREMENTS OF FACTORY MUTUAL RESEARCH APPROVAL STANDARD 3011. SUPERVISION OF SYSTEM AND LEASED TELEPHONE LINES SHALL BE ARRANGED BY OWNER. IF TESTING RESULTS DETERMINE FIRE ALARM AUDIBILITY DOES NOT MEET 15db OVER AMBIENT NOISE LEVELS, ADDITIONAL FIRE ALARM SIGNALING DEVICES MAY BE REQUIRED BY THE ENFORCING AGENCY.

GENERAL NOTES

1. GROUNDING ELECTRODE CONDUCTOR SIZED PER CEC.
2. PROVIDE BONDS TO BLDG. STEEL & PANEL (#8 CU)
3. PANEL A LISTED FOR USE AS SERVICE EQUIPMENT.
4. ALL PANELS, SWITCHES, DISCONNECTS, BREAKERS, METERS, AND OTHER ELECTRICAL ELEMENTS SHALL BE PLACED ABOVE THE ELEVATION REQUIRED BY ASCE 24-14, SECTION 7.2.

FIXTURE NOTES:

1. ALL FLUORESCENT LIGHT FIXTURES SHALL HAVE ENERGY SAVING LAMPS AND BALLASTS.
2. LUMINARIES/BALLASTS SHALL BE CERTIFIED PER CALIFORNIA BUILDING CODE, TITLE 24.
3. FLUORESCENT LIGHT FIXTURE TYPE "A" SHALL BE CONTROLLED TO PROVIDE TWO LEVELS OF LIGHTING. SWITCH (SA) SHALL CONTROL THE TWO OUTER LAMPS AND SWITCH (SB) SHALL CONTROL THE TWO INNER LAMPS.
4. ELECTRICAL SERVICE DROP AND CONNECTIONS SUPPLIED BY OTHERS.
5. MANUFACTURER TO PROVIDE STUB-OUT FROM BACK OF ELECTRICAL PANEL THROUGH THE EXTERIOR WALL OR TO BELOW FLOOR FOR RECEIVING EITHER UNDERGROUND OR OVERHEAD SERVICE & FITTING FOR GROUNDING CABLE.
6. ELECTRICAL PANEL BOARD SHALL BE RECESS MOUNTED INSIDE THE BUILDING, SIZED TO ACCOMMODATE ALL CONNECTED LOADS INCLUDING SPACES AS SHOWN. OVERCURRENT PROTECTIVE DEVICES IN THE PANEL BOARDS SHALL HAVE ADEQUATE SHORT CIRCUIT INTERRUPTING CAPACITY. ALL BUSES INCLUDING BUS SHALL BE COPPER OR ALUMINUM.
7. 2X4 FLUORESCENT FIXTURES SHALL HAVE A STEEL FRAME, LENS SHALL BE HINGED AND LOCKED IN PLACE BY TWO LOCKING DEVICES. THE LENS DIFFUSERS SHALL BE KHS, INC. #KSH-2, CAROLITE, INC. #C-12 OR PLASKOLITE, INC. #PL21A. MINIMUM LENS THICKNESS SHALL BE 0.125 INCHES.
8. FLUORESCENT BALLAST SHALL BE ENERGY SAVER WHILE MAINTAINING FULL LIGHT OUTPUT, CLASS "P" EQUIPPED WITH THERMAL PROTECTORS, GUARANTEED AGAINST FAILURE FOR (2) YEARS AND BE REPLACEABLE FROM INSIDE THE FIXTURE.
9. CLOCK - 12" DIAL CLOCK ON CLOCK OUTLET.  
A. CLOCK SHALL BE GENERAL ELECTRIC MODEL 2912 120V 60 CYCLE  
B. CLOCK OUTLET SHALL BE BRYANT #2828 OR EQUAL WITH SEPARABLE HANGING CLIP & APP'D RECEPT. THE H.V.A.C. UNIT FEEDER CIRCUIT - PANEL, CIRCUIT BREAKER, FEEDER WIRE, UNIT DISCONNECT AND FUSES (WHERE USED) IS TO BE COORDINATED WITH THE NAME PLATE DATA AT THE TIME OF MANUFACTURE. H.V.A.C. UNITS HAVING KVA RATINGS LARGER THAN THAT INDICATED ON THIS PANEL SCHEDULE WILL NOT BE ALLOWED TO BE INSTALLED ON THIS BUILDING.  
C. IF 60 DEGREES WIRE IS TO BE USED IN THIS INSTALLATION, CALCULATIONS DEMONSTRATING AMPACITY SHALL BE PROVIDED ON THE DRAWING.
10. ALL PANELS, SWITCHES, DISCONNECTS, BREAKERS, METERS, AND OTHER ELECTRICAL ELEMENTS SHALL BE PLACED ABOVE THE ELEVATION REQUIRED BY ASCE 24-14, SECTION 7.2.

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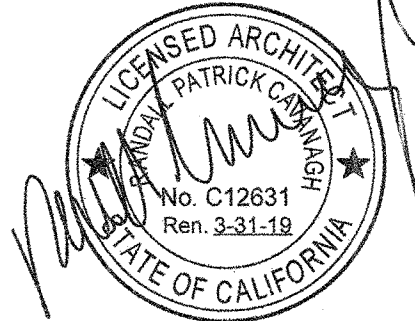
24'x40' THRU 120'x40'  
STANDARD MODULAR  
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SITE SPECIFIC PROJECT NAME

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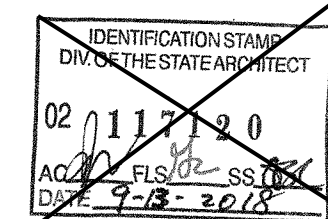
ELECTRICAL NOTES &  
DETAILS

MANUFACTURER PROFESSIONAL OF RECORD ON PC

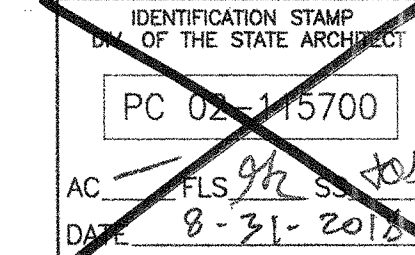


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PROJECT SPECIFIC STATE AGENCY APPROVAL



ORIGINAL PC STATE AGENCY APPROVAL



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

REVISIONS

1	
2	
3	

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SCALE: AS NOTED  
DATE:

SHEET NUMBER

E1.2

RV-1 PCX43