



June 2, 2017

TO : All Bidders  
FROM : George M. Wiens  
PROJECT : CTE Classroom Addition  
Vista Murrieta High School  
1615400.41  
SUBJECT : Addendum 2  
DSA : 04-115755 / 33-H18

The following changes, omissions, and/or additions to the Project Manual and/or Drawings shall apply to proposals made for and to the execution of the various parts of the work affected thereby, and all other conditions shall remain the same.

Careful note of the Addendum shall be taken by all parties of interest so that the proper allowances may be made in strict accordance with the Addendum, and that all trades shall be fully advised in the performance of the work which will be required of them.

Bidder shall acknowledge receipt of this Addendum in the space provided on the Bid Form. Failure to do so may subject Bidder to disqualification.

In case of conflict between Drawings, Project Manual, and this Addendum, this Addendum shall govern.

## 2. GENERAL NOTE

- 2.1 Refer to the attached Addendum 2 dated June 2, 2017 as prepared by Ledcor Construction, Inc.

## PROJECT MANUAL

- 2.2 SECTION 06 41 16 - PLASTIC-LAMINATE-CLAD ARCHITECTURAL CABINETS
  - A. Paragraph 2.6; Item M; delete this item in its entirety.

- B. Paragraph 2.8; add this paragraph as follows:

"2.8 LAMINATED PLASTIC COUNTERTOPS

- A. Fabricate in accordance with Section 11 of the North American Architectural Woodwork Standards.

1. WI Grade: Premium.
2. Core Thickness: 0.75 inch minimum
3. Laminate Thickness: 0.050 inch or .042 inch for postformed use.
4. Front Edge Covering: Self-edged with drip groove.
5. Backsplash at Top: Horizontal butt.
6. Top of Back Splash: Square with scribe.
7. Construction Type: Assembly 2, deck mount, manufacturer assembled.
8. Plastic Colors and Pattern: To be selected from standard patterns, satin finish, solid colors, woodgrain pattern, and textured finish.

2.3 SPECIFICATION SECTION 09 30 15 - PORCELAIN TILE WALL FINISHING

- A. Paragraph 2.2, Item A; revise Color as follows: "As selected. Pattern to include 80% of Color A and 20% of Color B."

2.4 SPECIFICATION SECTION 09 65 00 - RESILIENT FLOORING

- A. Paragraph 2.10; add this paragraph as follows:

"2.10 LUXURY VINYL FLOOR TILE MANUFACTURERS

- A. Armstrong World Industries, [www.armstrong.com](http://www.armstrong.com).
- B. Forbo Industries, Inc., [www.forbo.com](http://www.forbo.com).
- C. Harbinger, [www.harbingerfloors.com](http://www.harbingerfloors.com).
- D. Johnsonite, [www.johnsonite.com](http://www.johnsonite.com).
- E. Mannington Commercial, [www.manningtoncommercial.com](http://www.manningtoncommercial.com)

- F. Mohawk, [www.mohawkflooring.com](http://www.mohawkflooring.com)
  - G. Tandus / Centiva, [www.tandus-centiva.com](http://www.tandus-centiva.com)
  - H. Substitutions: Under provisions of Section 01 25 13."
- B. Paragraph 2.11; add this paragraph as follows:
- "2.11 LUXURY VINYL FLOOR TILE MATERIALS
- A. Solid vinyl floor tile (LVT): ASTM F1700, Class; Class I monolithic vinyl tile. Type: B, embossed surface.
  - B. Thickness: 0.080 Inch.
  - C. Size: 24 x 24 inches.
  - D. Colors and Patterns: Pattern as selected by Architect from manufacturer's standard range for materials indicated. Color as selected by Architect from manufacturer's standard color range."
- 2.5 SPECIFICATION SECTION 12 35 53 - LABORATORY CASEWORK
- A. Paragraph 2.4; delete this paragraph in its entirety.
  - B. Paragraph 2.7; revise last sentence of Item A to indicate "Locate as shown on drawings."
  - C. Paragraph 2.9; delete this paragraph in its entirety.
- 2.6 SPECIFICATION SECTION 27 13 43 - COMMUNICATIONS SERVICES CABLING
- A. Paragraph 2.10, Item A, Line 1, Sub-item a; revise to read as follows: "Optical fiber shall be housed in an OSP loose tube, gel filled OM1 12-strand cable if used outside, underground, or overhead. Manufactured by AMP."
  - B. Paragraph 2.17, Item A, Line 1; revise to read as follows: "All wall mounted racks shall be 26" wide x 36" high x 24" deep by Middle Atlantic CWR-18-26PD 18 RU."
  - C. Paragraph 2.17, Item A, Line 2; revise to read as follows: "Floor mounted rack by Middle Atlantic BGR-SA Series Rack, 38 RU, 32" deep."
  - D. Paragraph 3.2; delete this paragraph in its entirety.
  - E. Paragraph 3.3; delete this paragraph in its entirety.

## **DRAWINGS**

### Architectural

2.7 DRAWING A1.2

- A. Revise as indicated in the clouded area labeled Delta 2 on the attached A1.2.

2.8 DRAWING AW2.2

- A. Revise as indicated in the clouded area labeled Delta 2 on the attached AW2.2.

2.9 DRAWING AW7.2

- A. Revise as indicated in the clouded area labeled Delta 2 on the attached AW7.2.

2.10 DRAWING 6.1

- A. Revise as indicated in the clouded area labeled Delta 2 on the attached 6.1.

2.11 DRAWING 9.1

- A. Revise as indicated in the clouded area labeled Delta 2 on the attached 9.1.

2.12 DRAWING 9.4

- A. Revise as indicated in the clouded area labeled Delta 2 on the attached 9.4.

### Mechanical

2.13 DRAWING M4.2

- A. Revise as indicated in the clouded area labeled Delta 2 on the attached M4.2.

2.14 DRAWING M4.3

- A. Add this attached drawing in its entirety.

### Plumbing

2.15 DRAWING P0.2

- A. Revise as indicated in the clouded area labeled Delta 2 on the attached P0.2.



Addendum 2  
CTE Classroom Addition  
Vista Murrieta High School  
Project 1615400.41  
DSA 04-115755 / 33-H18  
June 2, 2017  
Page 5

Electrical

2.16 DRAWING E3.1

A. Revise as indicated in the clouded area labeled Delta 2 on the attached E3.1.

2.17 DRAWING E4.1

A. Revise as indicated in the clouded area labeled Delta 2 on the attached E4.1.

**END OF ADDENDUM 2**

Submitted by,



GEORGE M. WIENS  
Architect, AIA  
LEED™ AP  
Principal



GMW:LC:hb/P41615400x2-add

Attachments: Addendum 2 dated June 2, 2017 as prepared by Ledcor Construction, Inc.  
Drawings A1.2, AW2.2, AW7.2, 6.1, 9.1, 9.4, M4.2, M4.3, P0.2, E3.1, E4.1



**Ledcor Construction Inc.**  
38975 Sky Canyon Drive, Suite 109  
Murrieta, California  
USA 92563

CTE Classroom Addition

Addenda No. 2 – Scope of Work Questions

Question No. 1-3: Electrical Scope of Work Questions

Bid Package #16- Electrical Systems

Bid Package #17 – Low Voltage Systems

Question 1: Item 21 of the scope of work in the division of work among bid packages indicates to provide duct detectors to mechanical contractor. Can this item be provided by Bid Package #17?

Answer: Confirmed duct detectors will be provided by Bid Package #17 in accordance with their scope of work item 13.

Question 2: Item 25 of the scope of work in division of work among bid packages indicate to provide and install conduit for low voltage mechanical systems, does that mean HVAC/EMS control conduit?

Answer: Yes, should conduit be need for HVAC/EMS controls, Bid Package #16 will provide it.

Question 3: – Please clarify who does the conduits for the low voltage systems.

Answer: Where conduit is needed to complete the low voltage systems, as indicated on the drawings, this conduit will be provided by Bid Package #16, as part of the normal course of work, and coordinated in advance. If any work is not coordinated in advance by Bid Package #17, then said conduit requirements will fall to Bid Package #17. All remaining scope of work items in Bid Package #17 will be remain unchanged.

Question No. 4: Structural Steel

Bid Package #2 – Structural Steel

Question: In the project schedule in the Special Conditions, it notes 10 days for submitting structural steel shop drawings. Can this be revised to 45 or 60 days.

Answer: The project schedule is intended to indicate that structural steel drawings, especially those involving concrete foundation coordination, are critical path items. We will allow the minimum timeline requirements noted in the General Conditions and in the Submittal Specification Section noted in the specifications.

Question No. 5: Flooring Questions

Bid Package #9 – Carpet and Tile



## Bid Package #7 – Doors, Frames and Hardware

Questions: 1) Protection

- 2) Wood flooring
- 3) Final cleaning and waxing
- 4) Grinding and leveling
- 5) Metal thresholds

Answers: 1) The scope of work calls out for protection, please figure 100% coverage.

2) There is no wood flooring on this project, see specifications for carpet and tile for product.

3) Final cleaning will be by Bid Package #11. Waxing of VCT flooring will be by Bid Package #9, as this company will have the appropriate O&M materials to ensure warranty of the floor systems is maintained through the final clean process.

4) Bid Package #9 will need to provide any grinding and leveling not completed by Bid Package #1, in order to satisfy their own requirements for fully prepped and level floor. Please review the architectural and structural drawings for clarification of this item.

5) Thresholds needed for completion of doors will be by Bid Package #7. Any other thresholds needed by Bid Package #9 to complete their own work will be by Bid Package #9.

## Question No. 6: Site Electrical and Demolition

Bid Package #1 – Building and Site Concrete

Bid Package #16 – Electrical Systems

Question: The architectural site plan indicates concrete will be removed to make way for this project. Will the timing of this removal by Bid Package #1 be timed so required cut, removal and patch of concrete for electrical is covered?

Answer: Where the site electrical work is underneath demolition and concrete replacement noted on the drawings, the answer is yes, this work will be coordinated to take place in conjunction with electrical needs. Where site electrical work is underneath area that is not noted for replacement, then that sawcut, removal and replacement will need to be provide by Bid Package #16.

## Question No. 7: Site Electrical

Bid Package #16 – Electrical Systems

Question: Can the site electrical work be completed while school is closed (will require shut down of MV gear feeding site, so we can perform during normal work hours, or will work be required to be completed on premium time.

Answer: There will be no active school during the summer session. The campus is, however, active 12 months with athletics and camps during the summer as well. Any and all power outages needed for site electrical modifications



will need to be coordinated with Construction Manager, scheduled in advance, and all work will need to take place on a continuous basis until complete such that the down time to campus and ultimate impact to campus is minimized.

Question No. 8: SWPPP

Bid Package #1 – Building and Site Concrete

Question: Will a SWPPP be provided?

Answer: No, a SWPPP will not be provided. The full size of the impacted area of the project does not meet the threshold needed to initiate reporting to the state. Bid Package #1 will, however, provide, install, maintain, and ultimately remove all normal project related BMP devices such as gravel bags, wattle rolls, stabilized entrances, dust control, street sweeping in accordance with the scope identified in the division of work among bid packages.

Question No. 9: Bituminous Waterproofing

Bid Package #1 – Building and Site Concrete

Bid Package #5 – Roofing and Sheetmetal

Question: Who is to provide the below grade waterproofing?

Answer: For the elevator pit walls, Bid Package #1, will need to provide the 07 12 00 Bituminous Waterproofing product on the walls, in addition to the protection board. For the waterproofing membranes between the slabs, this will be provided by Bid Package #5.

Question No. 10: Dry Pack for Embeds

Bid Package #1 – Building and Site Concrete

Bid Package #2 - Structural Steel

Bid Package #3 – Masonry

Question: Who is to provide dry pack for the embeds in the CMU before they are grouted, as shown on details 4,9/S5.1 and 3,4,7/S5.2?

Answer: Bid Package #1 will provide and install the dry pack scope of work at these locations.

Question No. 11-12: Casework Questions

Bid Package #4 – Cabinets and Laboratory Casework

Question: Please confirm there is no finish carpentry on this project.

Answer: Confirmed there is no finish carpentry on this project.

Question: Please clarify scope document versus specification on WIC compliance certification.

Answer: Confirmed, please follow the guideline in the specifications for compliance certification and cost of fees.



Bid Scope Clarification 2-1:  
Special Conditions  
Geotechnical Report prepared by Leighton Consulting, Inc.  
Bid Package #1

See attached geotechnical addendum to the geotechnical report included in the bid documents. This addendum is specific for flatwork recommendations, 2 pages attached.

Bid Scope Clarification 2-2:  
Special Conditions  
Project Quality Plan  
Post Bid Tender Meetings

As part of the project quality plan prepared for this project, each responsible and responsive low bidder will be asked to attend a post bid tender meeting. In order to accommodate these meeting in advance of the award date, these meetings have been scheduled for date and time by bid package. The meeting location will be at the District Office. The dates and times are noted below. Each low responsive and responsible bidder for each bid package will be contacted to confirm attendance.

8-Jun	8:00-10:00	Bid Package #1-Concrete
8-Jun	10:30-12:30	Bid Package #2-Steel
8-Jun	1:30-3:30	Bid Package #3-Masonry
9-Jun	7:30-9:30	Bid Package #13-Fire Sprinkler
9-Jun	11:30-1:30	Bid Package #14-Plumbing
9-Jun	2:00-4:00	Bid Package #16-Electrical
12-Jun	7:30-9:30	Bid Package #15-HVAC
12-Jun	11:30-1:30	Bid Package #4-Casework
12-Jun	2:00-4:00	Bid Package #5-Roofing
13-Jun	9:30-11:30	Bid Package #6-Lath, Plaster, Drywall
13-Jun	2:30-4:30	Bid Package #7-Doors
14-Jun	7:30-9:30	Bid Package #10-Acoustical Ceiling & Wall Panels
14-Jun	10:30-12:30	Bid Package #11-Specialties
14-Jun	3:00-5:00	Bid Package #12-Glazing
		UNSCHEDULED:
		BP8 – Paint
		BP9 – Carpet & Tile
		BP17 – Low Volt



Leighton Consulting, Inc.  
A LEIGHTON GROUP COMPANY

November 7, 2016  
Project No. 10561.004

Murrieta Valley Unified School District  
41870 McAlby Court  
Murrieta, California 92562

Attention: Mr. Randy White

**Subject: Geotechnical Addendum – Flatwork Recommendations  
Vista Murrieta High School CTE Building  
2851 Clinton Keith Road  
Murrieta, California**

In accordance with your request, Leighton Consulting Inc. (Leighton) is pleased to present herewith a geotechnical addendum to provide flatwork recommendations for the subject project. Previous geotechnical recommendations were provided in *Geotechnical Engineering and Geologic Hazard Report, Vista Murrieta High School CTE Building, 28251 Clinton Keith Road, Murrieta, California*, dated November 3, 2016, prepared by Leighton Consulting, Inc. (project no. 10561.004).

Prior to placing sidewalk form-work, the planned sidewalk subgrade (and 6-inches beyond each side) should be scarified approximately 6 to 8 inches, uniformly moisture conditioned to 2 percent over optimum and compacted to minimum 90 percent of the laboratory maximum dry density (ASTM D1557). If expansive soils are encountered, those soils should be removed to a depth of 18 inches and replaced with non-expansive compacted fill. The subgrade should be wetted prior to placing concrete and/or underlying sand layer. A representative of Leighton should verify subgrade soil expansion, moisture conditions and compaction prior to form-work and reinforcement placement.

Planned pedestrian flatwork improvements should be constructed utilizing 4-inch thick Portland cement concrete placed directly over non-expansive subgrade soil (EI<21) compacted to 90 percent relative compaction. In order to help reduce the potential for the opening of intermediate cracks, No. 3 rebar at 24 inches on center (each way) is

suggested along with keeping subgrade soils at elevated moisture content prior to concrete placement. The rebar should be placed vertically at the midpoint of the concrete flatwork. These recommendations are based on soil properties only, additional recommendations for specific loading conditions should be provided by the structural engineer.

If you have any questions regarding this report, please do not hesitate to contact this office. We appreciate the opportunity to be of service.

Respectfully submitted,  
LEIGHTON CONSULTING, INC.

  
Ken E. Cox, GE 2793  
Senior Project Engineer

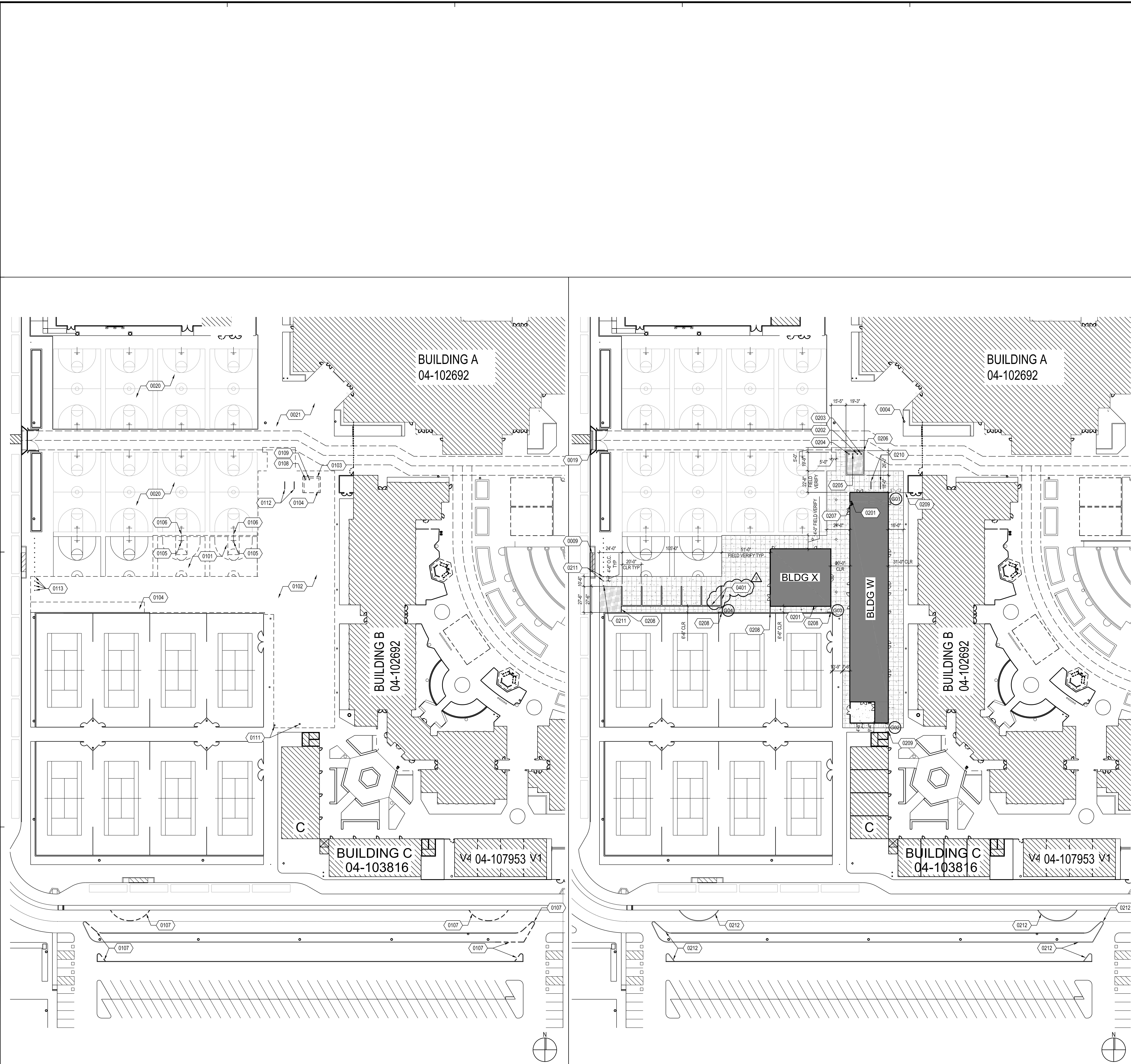


  
Robert F. Riha, CEG 1921  
Senior Principal Geologist



Distribution: (1) Addressee (pdf via email)





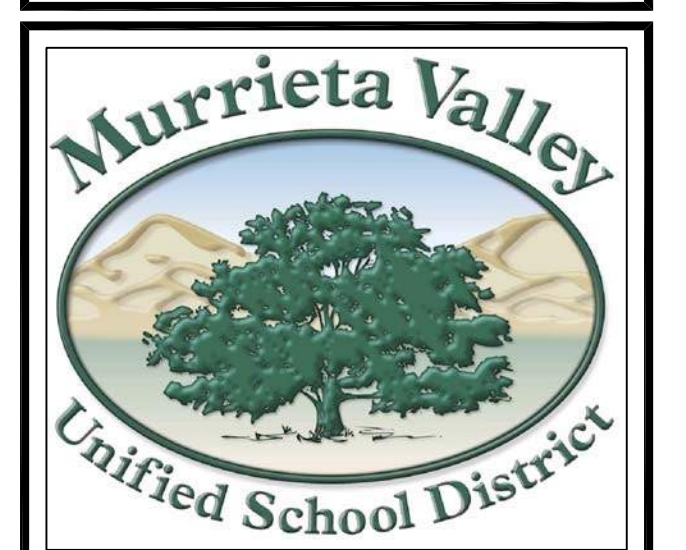
EXISTING BUILDING
   
 NEW BUILDING
   
 AREA OF NEW CONCRETE PAVING, REF CIVIL AND DET 2/2.1
   
 AREA OF NEW PLANTER
   
 GATE, REF GATE SCHEDULE DET 18/2.1 AND SPECIFICATIONS

- ### SITE LEGEND
- PROVIDE MEDIUM BROOM FINISH CONCRETE, WHERE IT OCCURS. USE NON-SLIP OR HEAVY BROOM FINISH WHERE SLOPE EXCEEDS 6%.
  - ALL MATERIALS AND DEBRIS FROM AREA SHALL BE TAKEN TO A PUBLIC, COUNTY OR CITY OPERATED DISPOSAL SITE.
  - ALL AREAS IN WHICH WORK IS DONE SHALL BE LEFT CLEAN AND IN GOOD REPAIR. ANY DAMAGE DONE TO EXISTING FENCE, PAVING, OR LANDSCAPE BY THE CONTRACTOR, SUB-CONTRACTORS, OR THEIR EMPLOYEES SHALL BE REPAIRED TO THE SATISFACTION OF THE ARCHITECT AT NO COST TO THE OWNER.
  - PROVIDE NEW ROOM CONTROL & EXIT SIGNAGE AT EACH DOOR OF EACH NEW BUILDING TO CONFORM WITH ADA & CCR, TITLE 24.
  - CONNECT OR INSTALL NEW ELECTRICAL SERVICE FOR NEW BUILDINGS, REFER TO ELECTRICAL DRAWINGS.
  - REFER TO ARCHITECTURAL DRAWINGS FOR BUILDING CONSTRUCTION REQUIREMENTS.
  - GRATINGS LOCATED IN THE SURFACE OF ANY PEDESTRIAN WAY IN THE PATH OF TRAVEL SHALL HAVE GRID OPENINGS IN GRATINGS LIMITED TO 1/2" MAXIMUM IN SIZE IN THE DIRECTION OF TRAFFIC FLOW. IF SUCH CONDITION OCCURS, MANUFACTURERS CUT-SHEETS WILL BE PROVIDED FOR REVIEW.
  - GATES IN THE PATH OF TRAVEL MUST COMPLY WITH EXIT DOOR REQUIREMENTS OF CALIFORNIA BUILDING CODE (CBC) SECTION 11B-404.

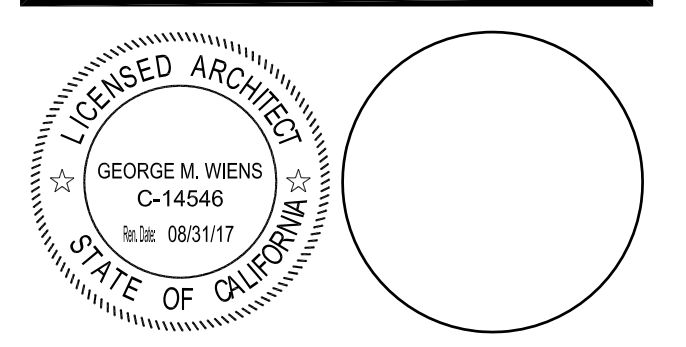
- ### GENERAL NOTES
- 0004 EXISTING FIRE HYDRANT PER A#04-102692
  - 0009 EXISTING LOADING ZONE W/ NEW TRUNCATED DOMES PER DET 5/2.1
  - 0019 EXISTING CURB RAMP WITH NEW TRUNCATED DOMES PER DET 5/2.1
  - 0020 EXISTING ASPHALT TO BE PROTECTED IN PLACE
  - 0021 EXISTING CONCRETE TO BE PROTECTED IN PLACE
  - 0101 EXISTING ASPHALT TO BE DEMOLISHED
  - 0102 EXISTING CONCRETE TO BE DEMOLISHED
  - 0103 EXISTING CONCRETE PLANTER WALL TO BE DEMOLISHED
  - 0104 EXISTING PLANTER TO BE DEMOLISHED, CAP OFF OR REROUTE/REWORK EXISTING IRRIGATION WHERE NECESSARY
  - 0105 EXISTING BASKETBALL HOOP AND BACKBOARD TO BE REMOVED
  - 0106 EXISTING BASKETBALL POLE TO BE PROTECTED IN PLACE
  - 0107 EXISTING FIRE LANE CURB TO BE REMOVED
  - 0108 EXISTING POST INDICATOR VALVE TO BE RELOCATED
  - 0109 EXISTING FIRE DEPARTMENT CONNECTION TO BE RELOCATED NOT USED
  - 0110 EXISTING CATCH BASIN TO BE DEMOLISHED, REF CIVIL PLANS
  - 0112 EXISTING BIKE RACKS TO BE RELOCATED
  - 0113 EXISTING BOLLARD TO BE DEMOLISHED
  - 0201 FIRE RISER LOCATION, REF FIRE SPRINKLER DRAWINGS
  - 0202 RELOCATED POST INDICATOR VALVE (PIV)
  - 0203 RELOCATED FIRE DEPARTMENT CONNECTION (FDC)
  - 0204 NEW POST INDICATOR VALVE (PIV)
  - 0205 NEW FIRE DEPARTMENT CONNECTION (FDC)
  - 0206 SEAT WALL PLANTER, REF DET 7/2.1
  - 0207 ACCESSIBLE DRINKING FOUNTAIN, REF PLUMBING DWGS & DET 22/9.4
  - 0208 CHAIN LINK FENCE, REF DET 17/2.1
  - 0209 TUBE STEEL FENCE, REF DET 9/2.1
  - 0210 RELOCATED BIKE RACKS
  - 0211 NEW BOLLARD TO MATCH EXISTING, REF DET 6/2.1
  - 0212 NEW FIRE LANE STRIPING TO MATCH EXISTING OVER RESURFACED ASPHALT
  - 0401 1'-0" THICK X 20'-0" H CONC BALL WALL, REF S8.1



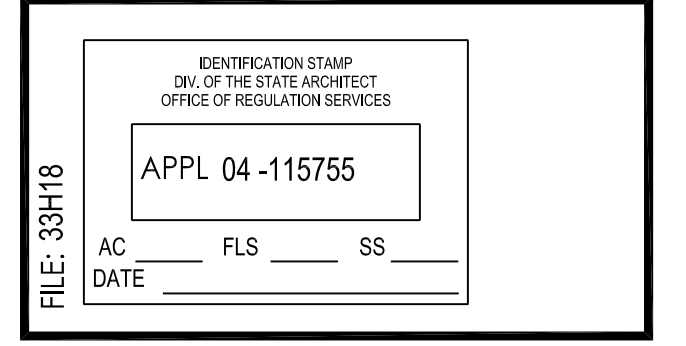
**SOUTHERN CALIFORNIA**  
 8163 ROCHESTER AVENUE, SUITE 100  
 RANCHO CUCAMONGA  
 CALIFORNIA 91730-0729  
 TEL: 909-987-0909  
 www.wlcarchitects.com



**CTE CLASSROOM ADDITION**  
**VISTA MURRIETA HIGH SCHOOL**  
 28251 CLINTON KEITH ROAD  
 MURRIETA, CA 92563  
 MURRIETA VALLEY UNIFIED SCHOOL DISTRICT  
 PTN 75200-83



**CONSULTANT**



NO	DATE	BY	DESCRIPTION
1	06/02/17	CS	ADDENDUM 2
REVISIONS			

DRAWN: \_\_\_\_\_ CHECKED: \_\_\_\_\_  
 DATE: 04/25/2017 SCALE: AS NOTED  
 PROJECT NUMBER: 1615400

**ENLARGED SITE PLAN AND DEMO PLAN**

DRAWING NUMBER: **A1.2**

SELECTIVE SITE DEMO PLAN

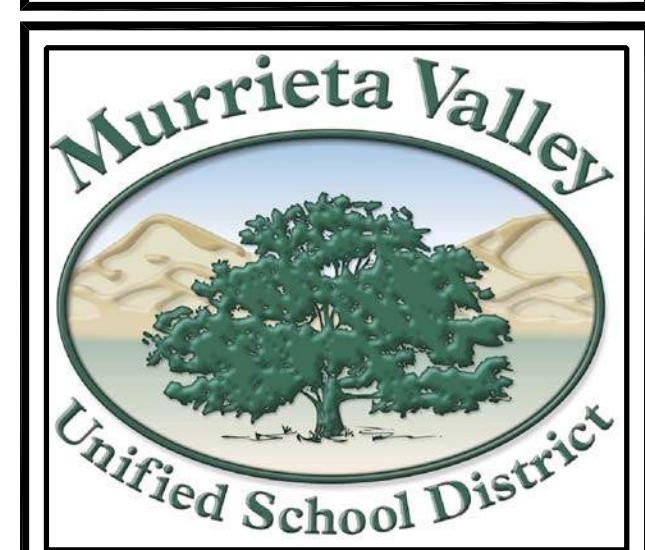
1"=40'-0" 2

ENLARGED SITE PLAN - AREA OF WORK

1"=40'-0" 1

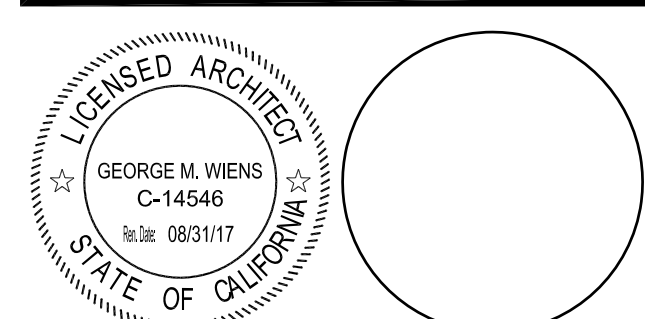
REFERENCE NOTES





**CTE CLASSROOM ADDITION**  
**VISTA MURRIETA HIGH SCHOOL**  
28251 CLINTON KEITH ROAD  
MURRIETA, CA 92563  
MURRIETA VALLEY UNIFIED SCHOOL DISTRICT

PTN 75200-83



CONSULTANT

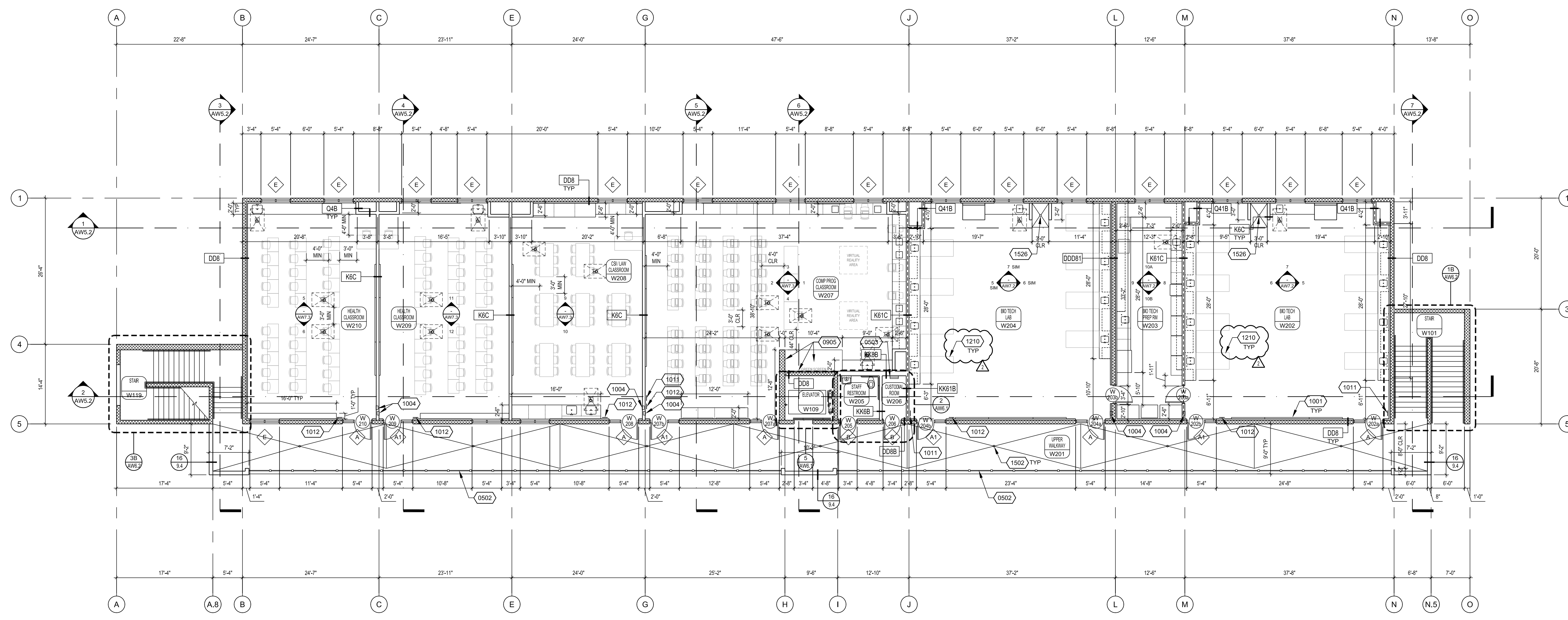
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OFFICE OF REGULATION SERVICES  
APPL 04-115755  
AC: \_\_\_\_\_ FLS: \_\_\_\_\_ SS: \_\_\_\_\_  
DATE: \_\_\_\_\_

NO	DATE	BY	DESCRIPTION
06/02/17	CS		ADDENDUM 2
REVISIONS			

DRAWN: LC      CHECKED: LC  
DATE: 04/25/2017      SCALE: 1/8" = 1'-0"  
PROJECT NUMBER: 1615400

**BUILDING W**  
**FLOOR PLAN**  
**SECOND FLOOR**

DRAWING NUMBER: **AW2.2**



**FLOOR PLAN - SECOND FLOOR**

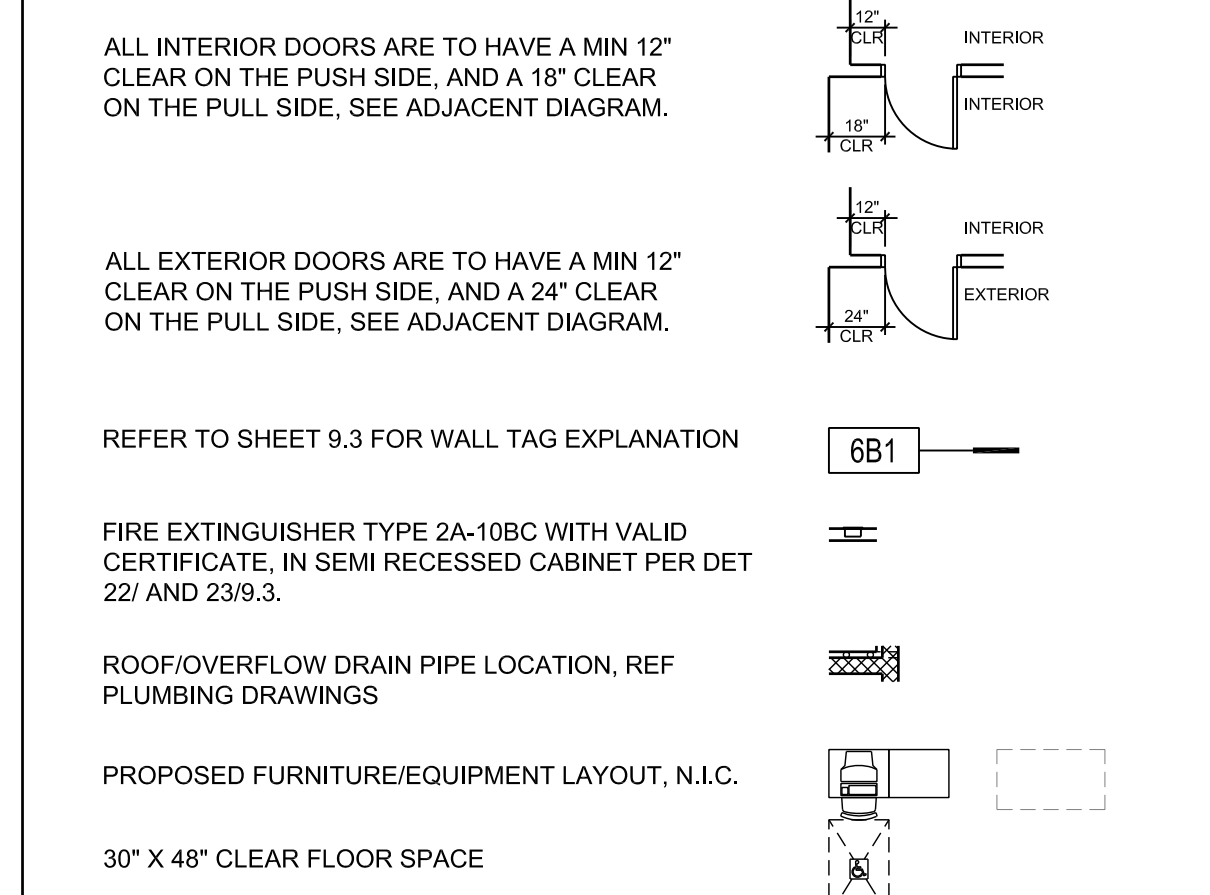
1/8" = 1'-0"      1

FULL HEIGHT CONCRETE MASONRY UNIT WALL  
CONSTRUCTION PER CBC 2013 TABLE 721.1(2), ITEM 3-1.1

8'-0" HEIGHT EXTERIOR CONCRETE MASONRY UNIT WALL  
CONSTRUCTION PER CBC 2013 TABLE 721.1(2), ITEM 3-1.1

INTERIOR METAL STUD WALL CONSTRUCTION WITH 5/8"  
TYPE 'X' GYP BD BOTH SIDES OR ONE SIDE AT WALL  
FURRING CONSTRUCTION UNLESS NOTED OTHERWISE PER  
CBC 2013 TABLE 721.1(2), ITEM 13-1.1

INTERIOR FULL HEIGHT 1-HR FIRE BARRIER METAL STUD  
WALL CONSTRUCTION WITH TYPE 5/8" X GYP BOARD BOTH  
SIDES UNLESS NOTED OTHERWISE PER CBC 2013 TABLE  
721.1(2), ITEM 15-1.4



**NOTE:**  
REFER TO THE FOLLOWING DETAILS FOR LOCATION OF  
ALL INTERIOR IDENTIFYING DEVICES (SIGNAGE):  
SIGNAGE SCHEDULE ON 10.1  
ASSISTIVE LISTENING SYSTEM SIGN DETAIL 13/10.1  
ROOM CONTROL SIGNAGE DETAIL 10/10.1  
TACTILE EXIT SIGNAGE DETAIL 21/10.1  
ACCESSIBLE SYMBOL SIGNAGE DETAIL 9/10.1  
RESTROOM SIGNAGE AS INDICATED ON SIGNAGE  
SCHEDULE PER DETAILS 3, 4, 7, 8, 11 OR 12/10.1

ROOM SIDE (N) TACTILE EXIT SIGN SEE  
SIGNAGE SCHED 21/10.1

CORRIDOR/  
LOBBY SIDE (N) ROOM CONTROL SIGN  
SEE SIGNAGE SCHED 10/10.1

- REFER TO ROOM FINISH SCHEDULE ON 9.1 FOR INTERIOR WALL FINISHES
- DIMENSIONS FOR CMU ARE FROM FACE OF MASONRY
- DIMENSIONS FOR MTL STUDS ARE FROM CENTERLINE OF INTERIOR STUDS OR FACE OF EXTERIOR STUDS
- REF TO STRUCTURAL DWG FOR MTL STUD SIZES
- ALL INTERIOR STUD WALLS SHALL HAVE BATT SOUND INSULATION, FULL HEIGHT
- ALL INTERIOR FURRING WALLS SHALL HAVE RIGID SOUND INSULATION, FULL HEIGHT
- REFER TO EXTERIOR ELEVATIONS & SECTIONS AWS.1, AWS.2 & AWS.1 FOR EXTERIOR WALL FINISHES & SECTIONAL ELEVATIONS
- REFER TO DRAWING 8.1 FOR DOOR SCHEDULE
- REFER TO DRAWING 8.2 FOR WINDOWS SCHEDULE

- 0502 METAL GUARDRAIL, REF DET 129.4
- 0503 ROOF ACCESS LADDER, REF DET 117.1
- 0905 GREEN SCREEN WALL AND FLOOR PAINT, REF SPEC
- 1001 MARKER BOARD, REF DET 319.4
- 1004 RECESSED FIRE EXTINGUISHER, REF DET 22 AND 239.3
- 1011 ROOM CAPACITY SIGN, REF DET 20/10.1
- 1012 ASSISTIVE LISTENING SIGN, REF DET 13/10.1
- 1210 TABLE, NIC
- 1502 DECK DRAIN, REF PLUMBING DWGS AND DET 177.1
- 1526 EMERGENCY SHOWER & EYE WASH, REF 14/6.1 & PLUMBING DWGS

**WALL LEGEND**

**PLAN LEGEND**

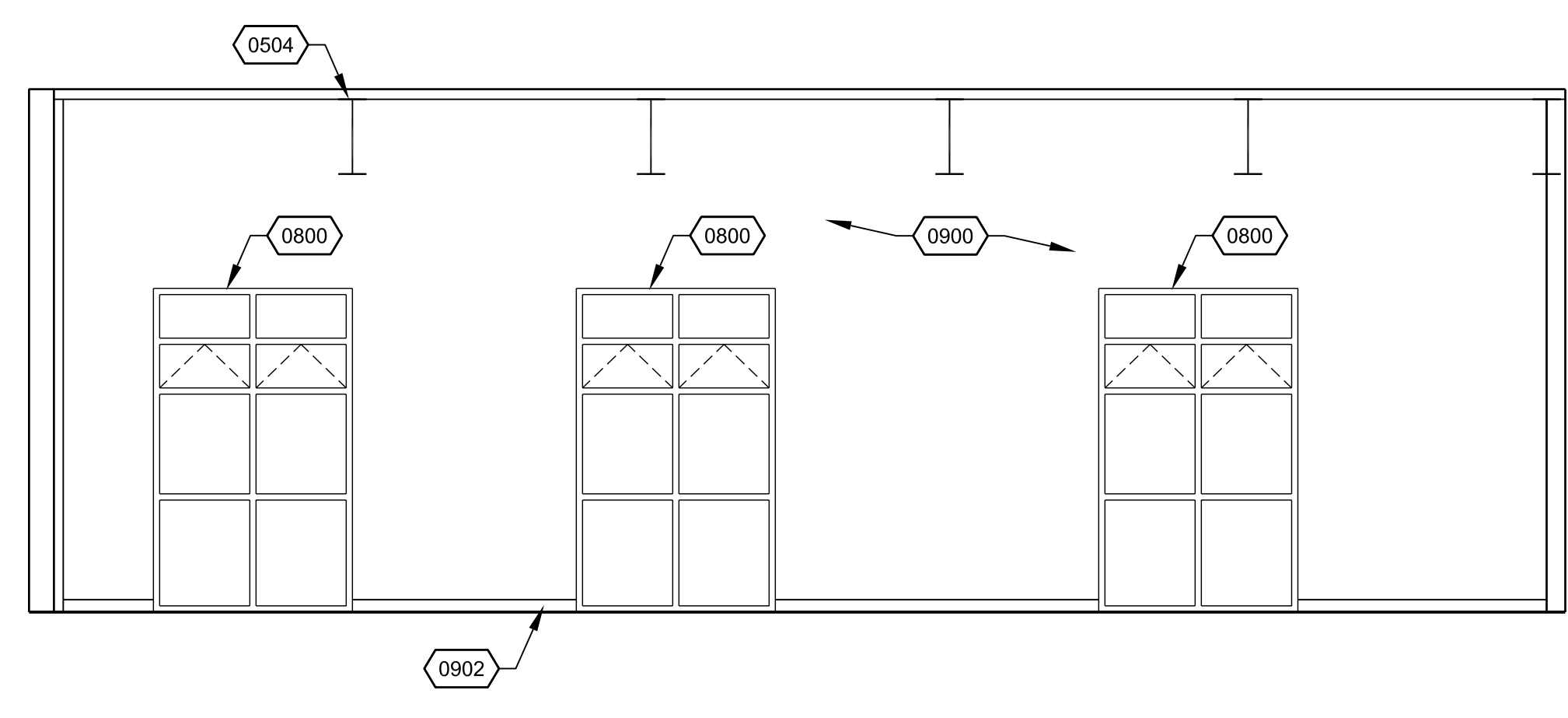
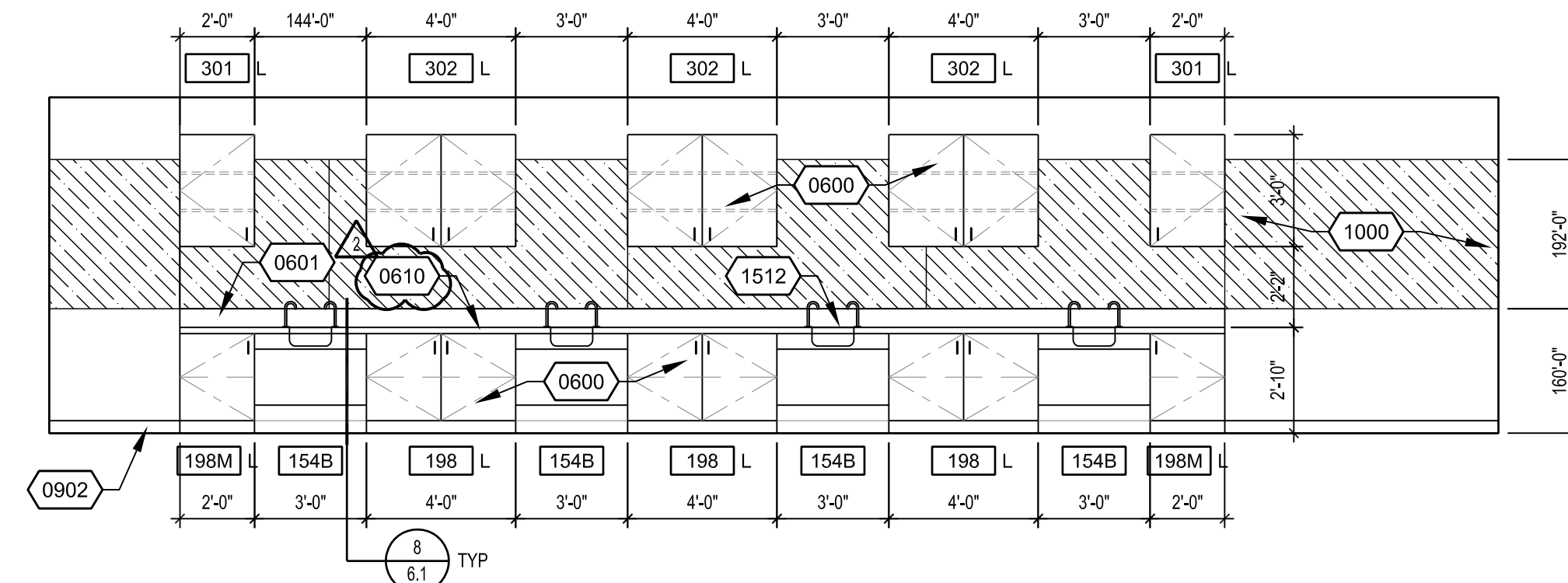
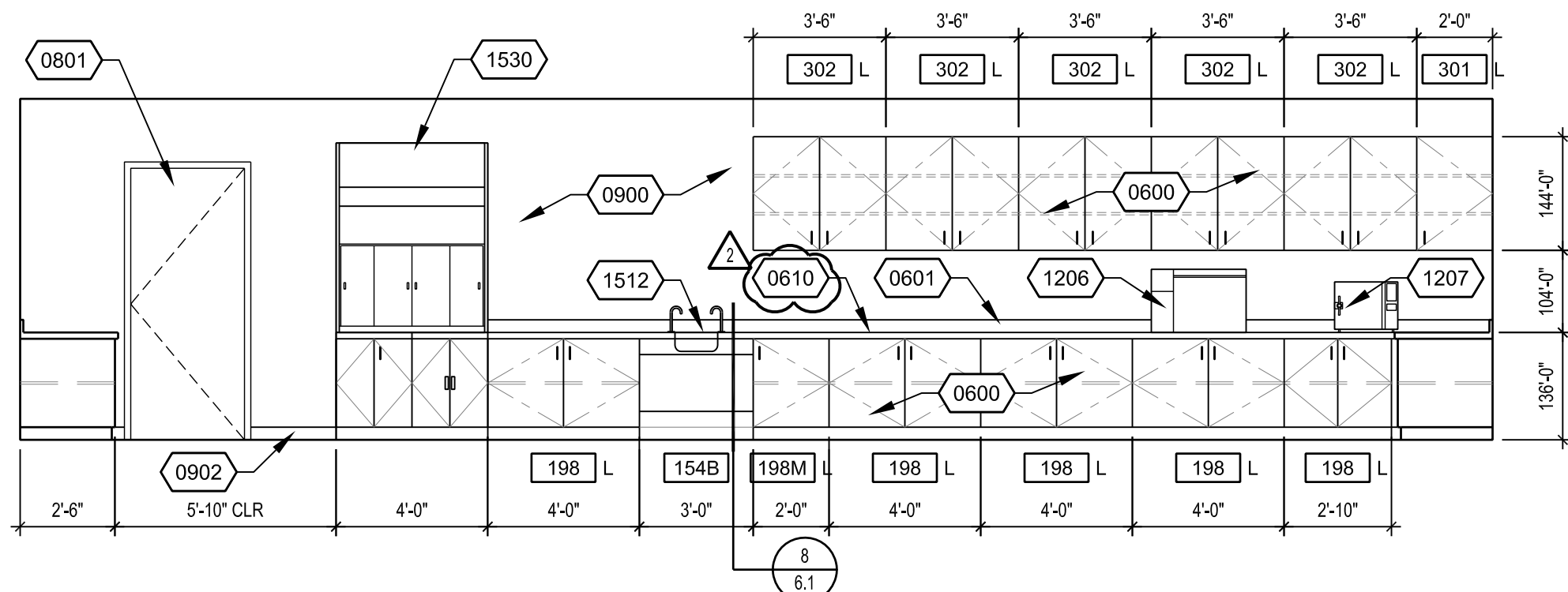
**GENERAL NOTES**

**GENERAL NOTES**

**REFERENCE NOTES**

**REFERENCE NOTES**





W203 BIO TECH PREP ROOM - SOUTH

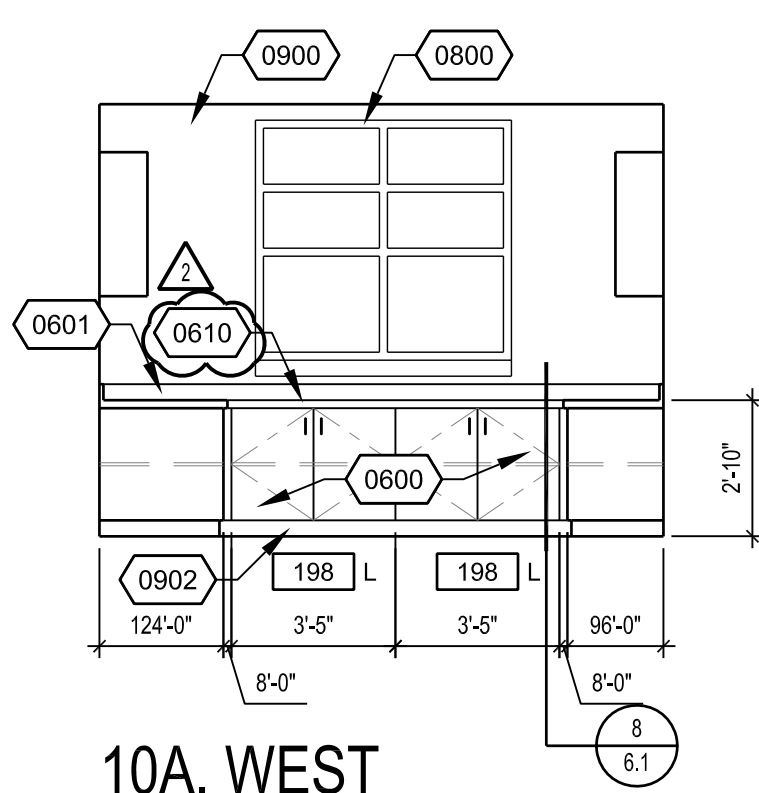
1/4" = 1'-0" 9

W202 BIO TECH LAB - NORTH

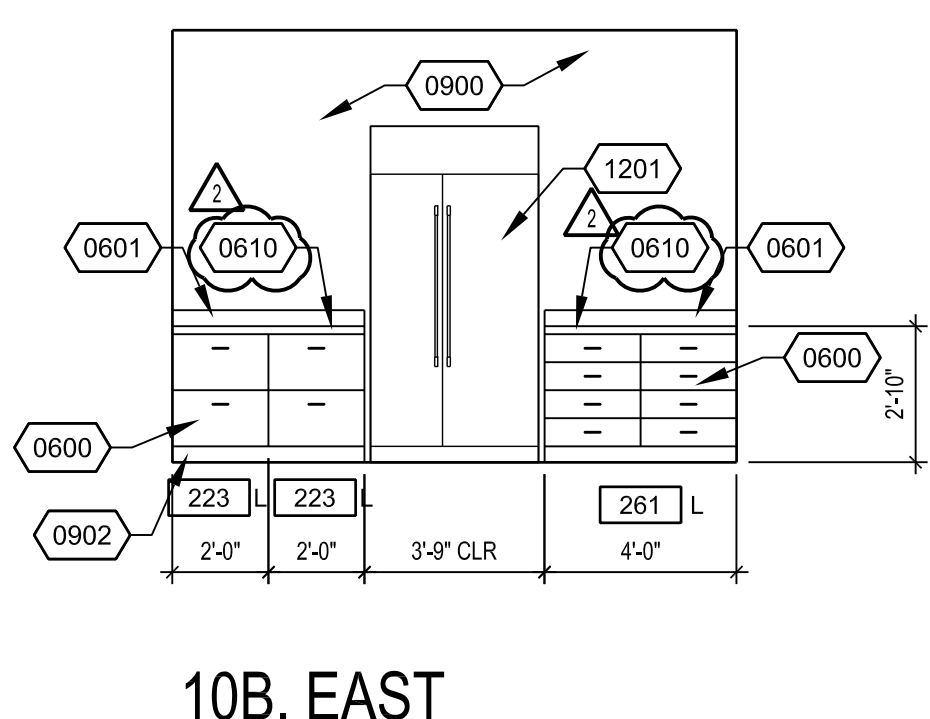
1/4" = 1'-0" 5

W116 ENGINEERING MFG EQUIPMENT - WEST

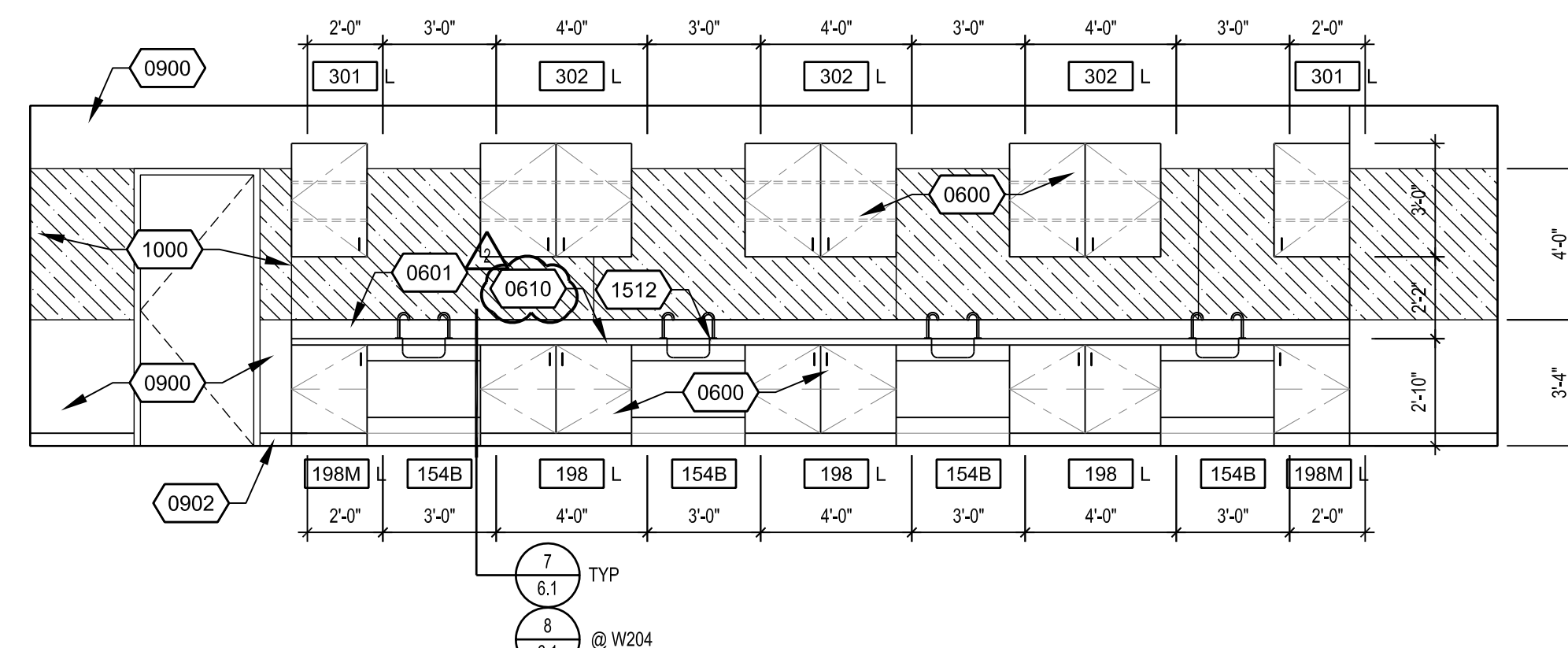
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10A. WEST

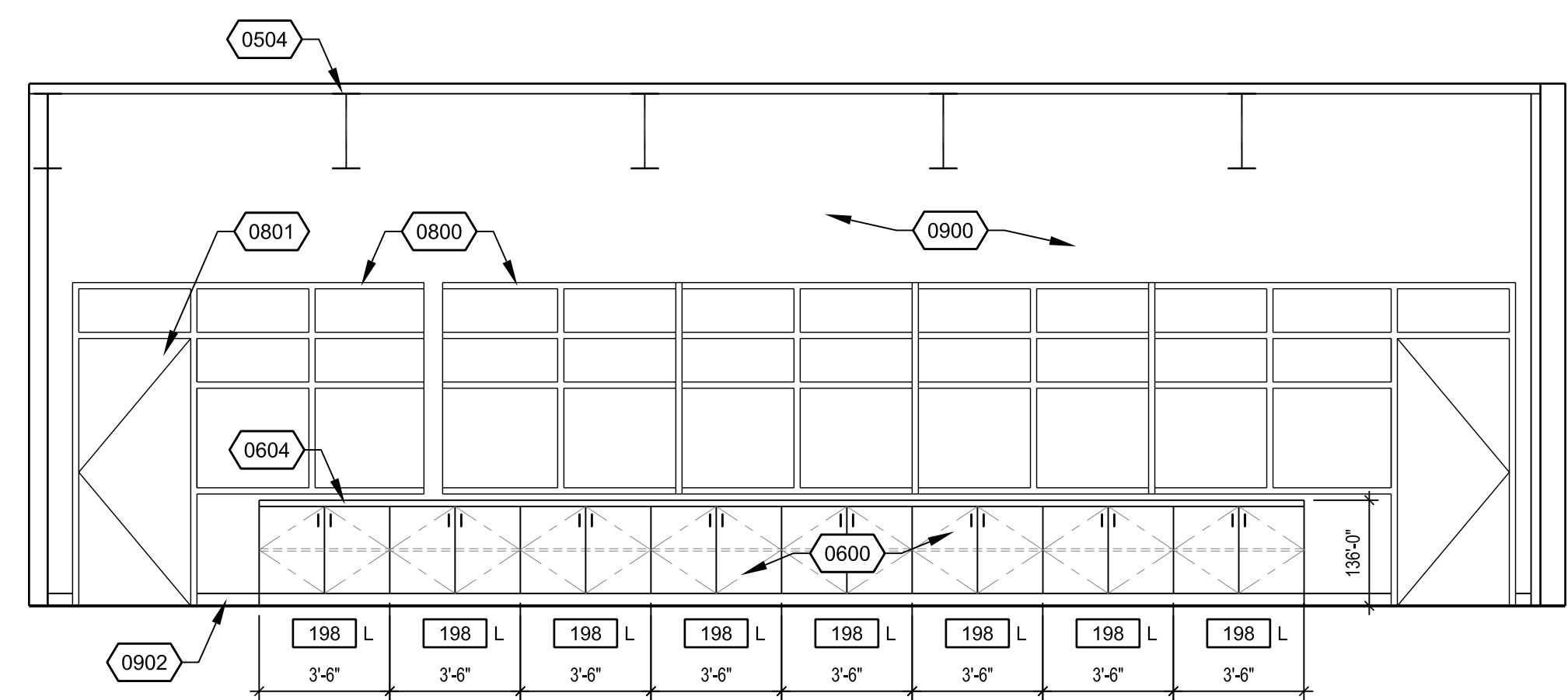


10B. EAST



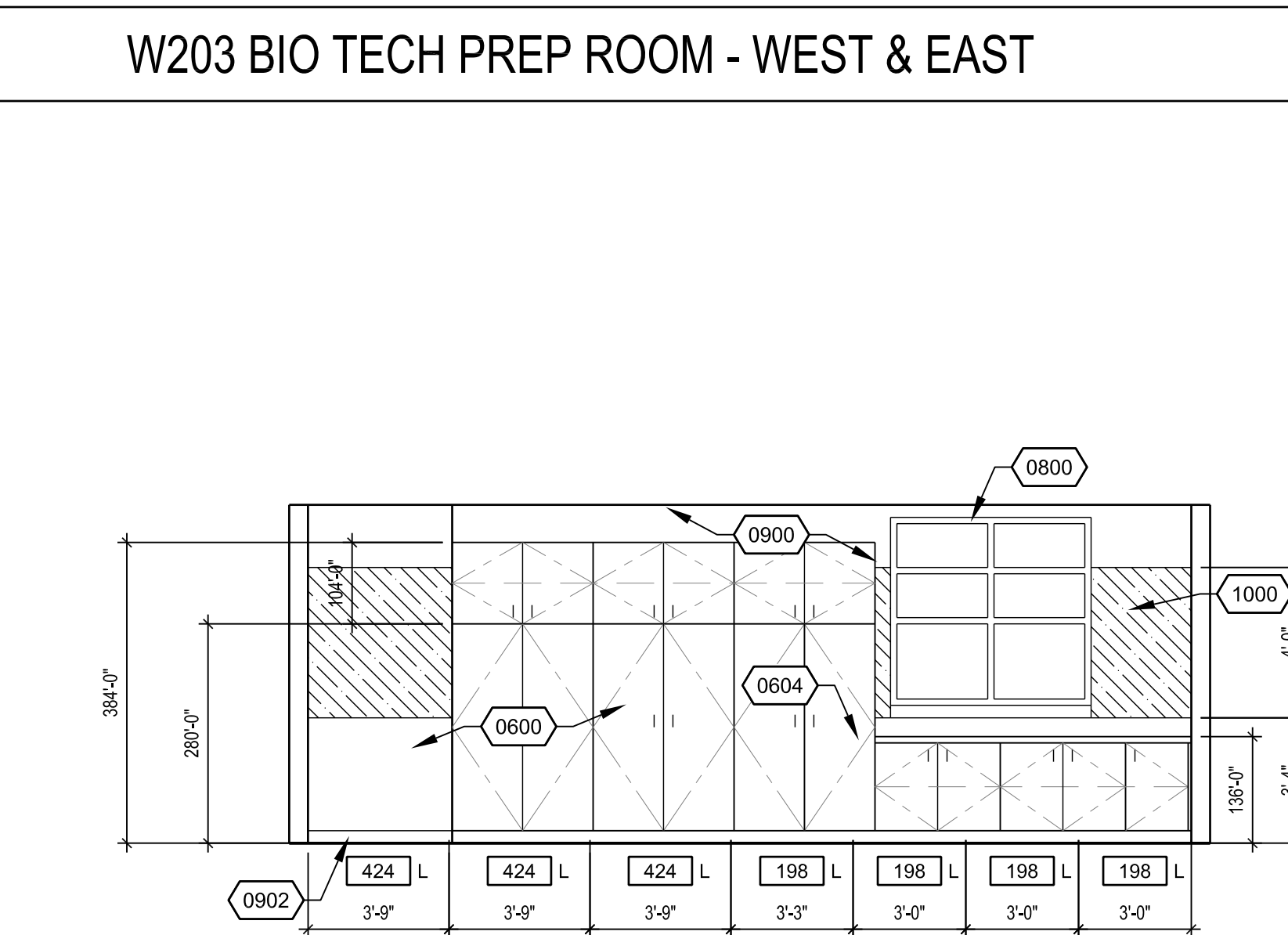
W202 BIO TECH LAB - SOUTH

1/4" = 1'-0" 6



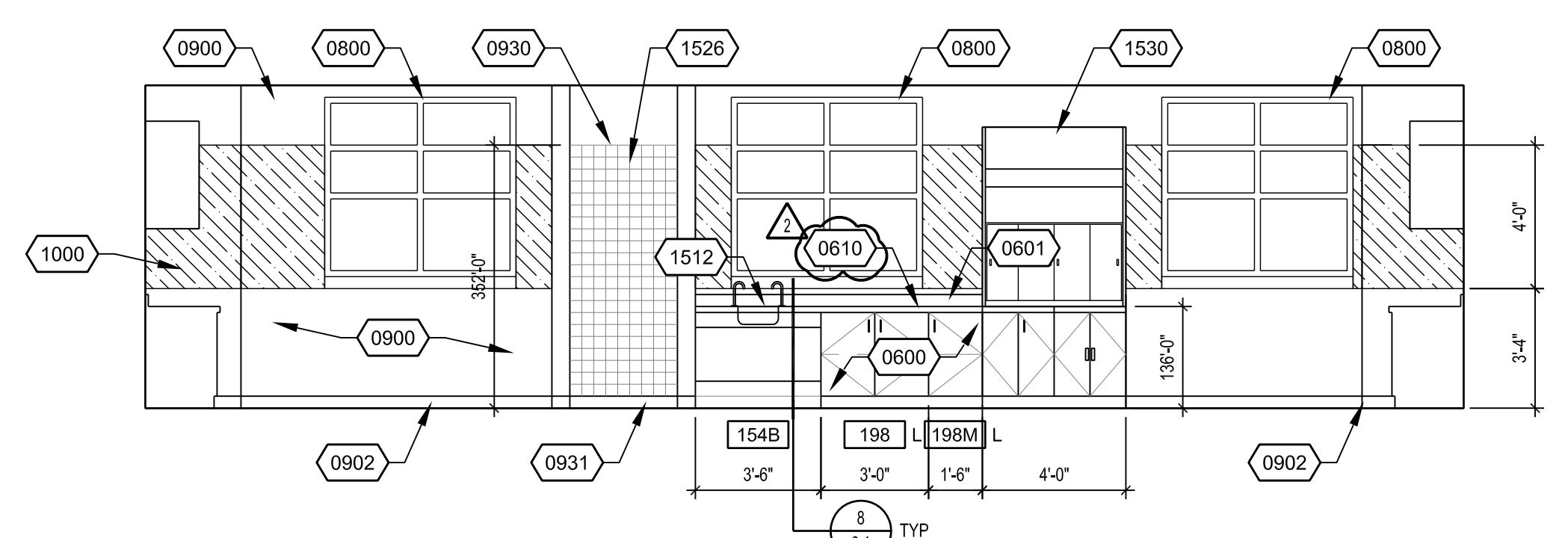
W116 ENGINEERING MFG EQUIPMENT - EAST

1/4" = 1'-0" 2



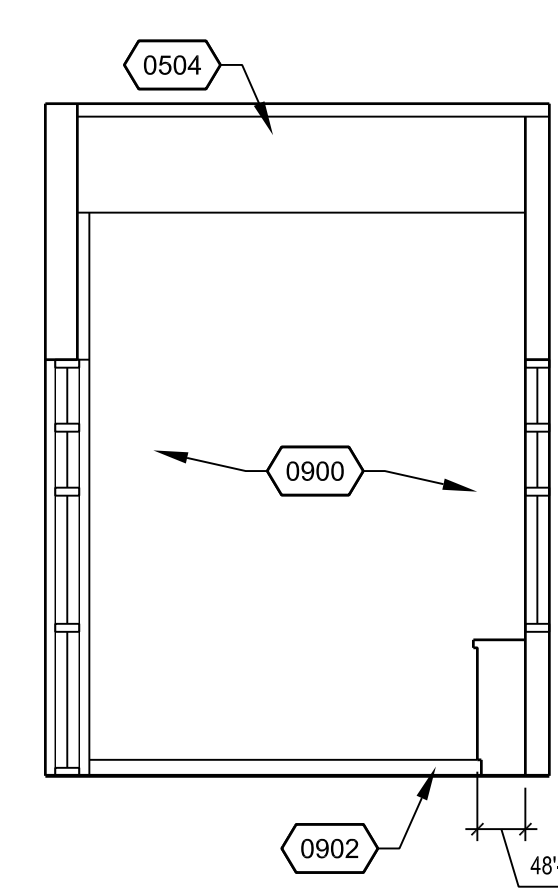
W208 CSI / LAW ENFORCEMENT CLASSROOM - WEST

1/4" = 1'-0" 11



W202 BIO TECH LAB - WEST

1/4" = 1'-0" 7



W116 ENG MFG EQUIP - NORTH

1/4" = 1'-0" 3

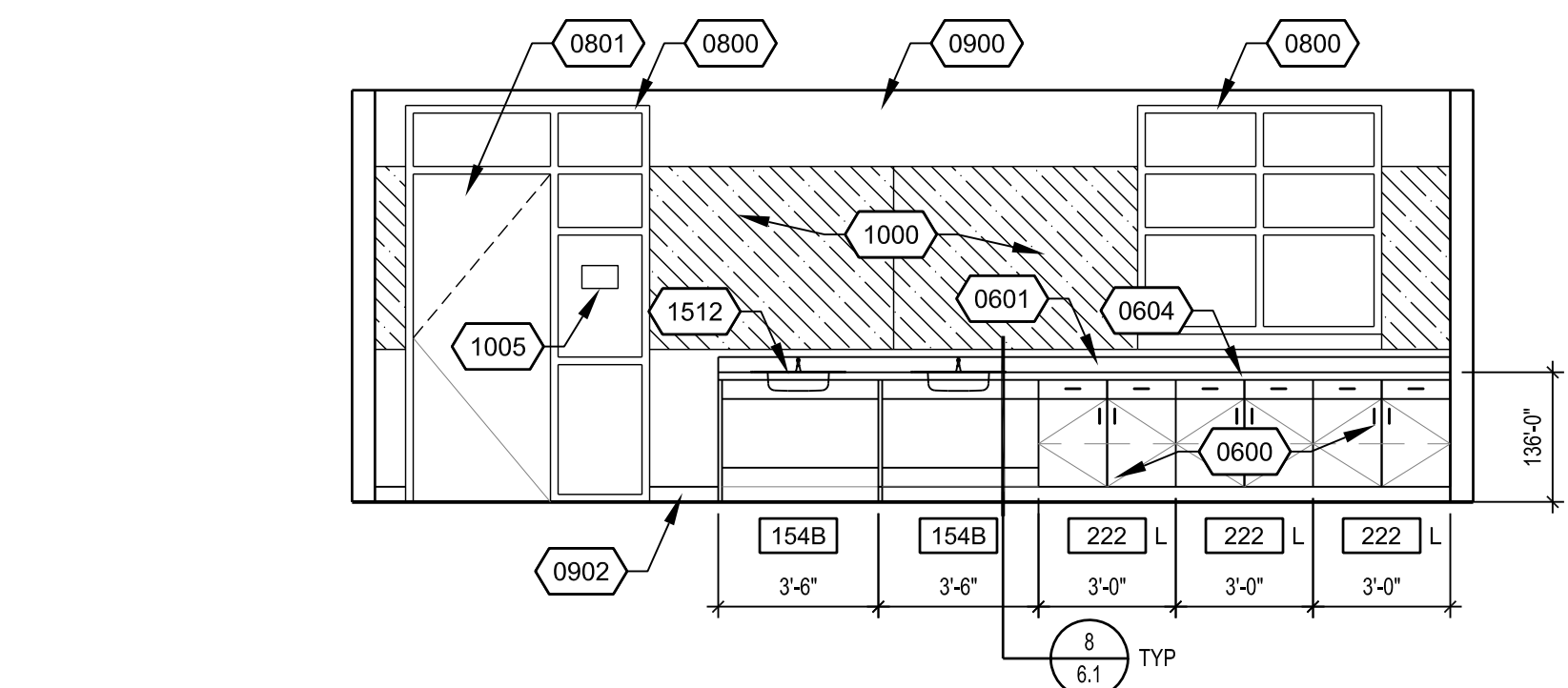
WI NUMBER  
222M L LOCK  
MODIFIED

CASEWORK LEGEND

- 1. REFER TO SHEET 6.1 FOR CASEWORK AND COUNTER TOP MOUNTING REQ.
- 2. REFER TO PLUMBING DWGS FOR SINK AND POC.
- 3. REFER TO ELEC DWGS FOR WALL OUTLETS AND MOUNTING HEIGHT REQ.

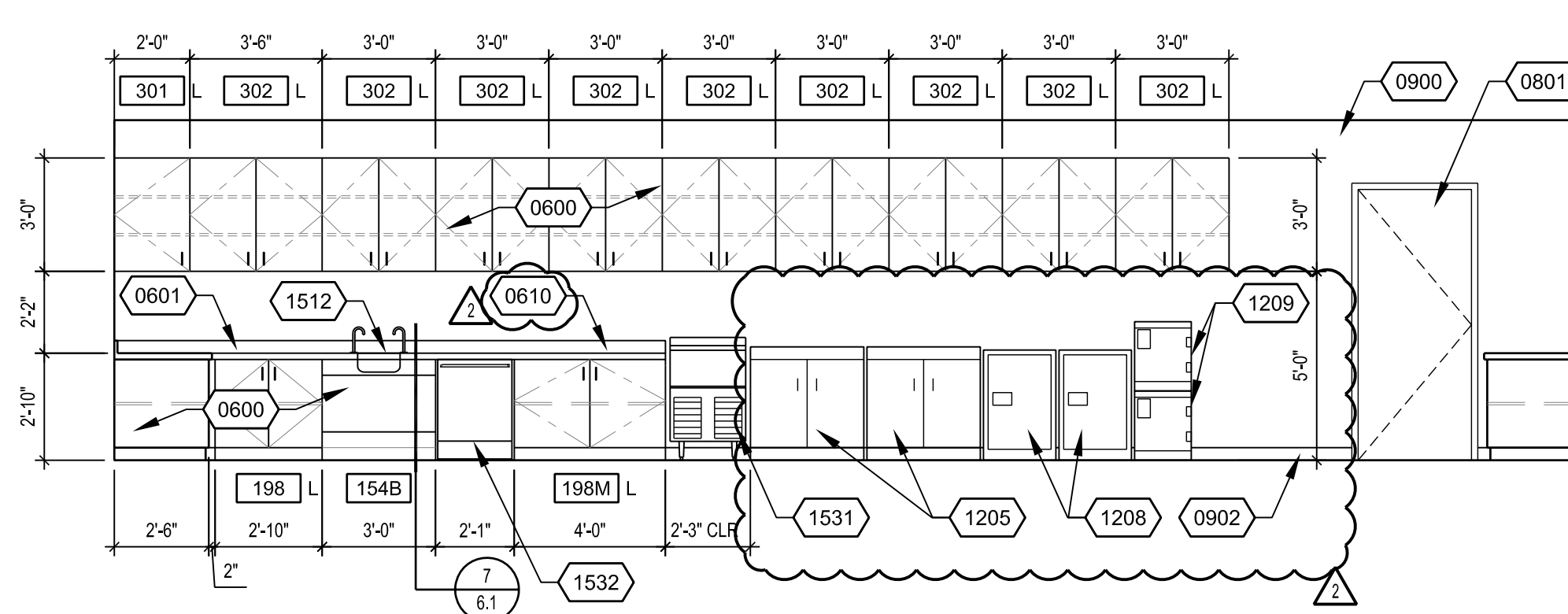
GENERAL NOTES

- (0504) STEEL BEAM, REF STRUCTURAL DWGS
- (1201) ACCESSIBLE REFRIGERATOR AND FREEZER, NIC SHALL COMPLY WITH 11B-804.6.6
- (0600) PLAM CASEWORK TYP, REF DETAILS ON SHT 6.1
- (1205) CHEMICAL STORAGE CABINET, REF SPEC
- (0801) PLAM BACKSPASH, TYP
- (1206) LAB FREEZER, NIC
- (0604) PLAM COUNTERTOP, TYP
- (1207) AUTOCLAVE, NIC
- (0610) EPOXY COUNTERTOP AND BACKSPASH, TYP
- (1208) FLAMMABLE STORAGE CABINET, REF SPEC
- (0800) SPECIFIED WINDOW TYP, REF WINDOW SCHEDULE
- (1209) ACID STORAGE CABINET, REF SPEC
- (0801) SPECIFIED DOOR TYP, REF DOOR SCHEDULE
- (1512) COUNTER SINK, REF PLUMBING DWGS
- (0900) GYPSUM BOARD, PAINTED
- (1526) EMERGENCY SHOWER & EYE WASH, REF 1416.1 & PLUMBING DWGS
- (0902) RESILIENT TOPSET BASE, TYP
- (1530) FUME HOOD, REF MECHANICAL DWGS
- (0930) WALL TILE, TYP
- (0891) TILE BASE
- (1531) ICE MAKER, REF PLUMBING DWGS & SPECS
- (0931) TACKABLE WALL PANELS TYP, REF DET 219.4
- (1000) ROOM ID SIGN, REF DET 1010.1
- (1532) DISH WASHER, REF PLUMBING DWGS & SPECS SHALL COMPLY WITH 11B-804.6.3



W208 CSI / LAW ENFORCEMENT CLASSROOM - EAST

1/4" = 1'-0" 12



W203 BIO TECH PREP ROOM - NORTH

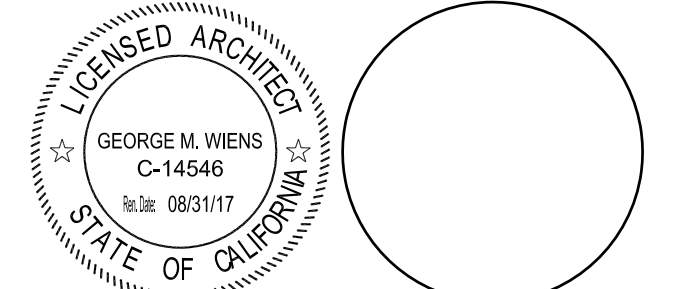
1/4" = 1'-0" 8

REFERENCE NOTES

**ARCHITECTS**  
**WLC**  
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RANCHO CUCAMONGA  
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**CTE CLASSROOM ADDITION**  
**VISTA MURRIETA HIGH SCHOOL**  
28251 CLINTON KEITH ROAD  
MURRIETA, CA 92563  
MURRIETA VALLEY UNIFIED SCHOOL DISTRICT  
PTN 75200-83



CONSULTANT

IDENTIFICATION STAMP  
OFFICE OF THE STATE ARCHITECT  
OFFICE OF REGULATION SERVICES  
APPL 04-115755  
AC: \_\_\_\_\_ FLS: \_\_\_\_\_ SS: \_\_\_\_\_  
DATE: \_\_\_\_\_

NO	DATE	BY	DESCRIPTION
△	05/25/2017	CS	ADDENDUM 1
△	06/02/2017	LC	ADDENDUM 2

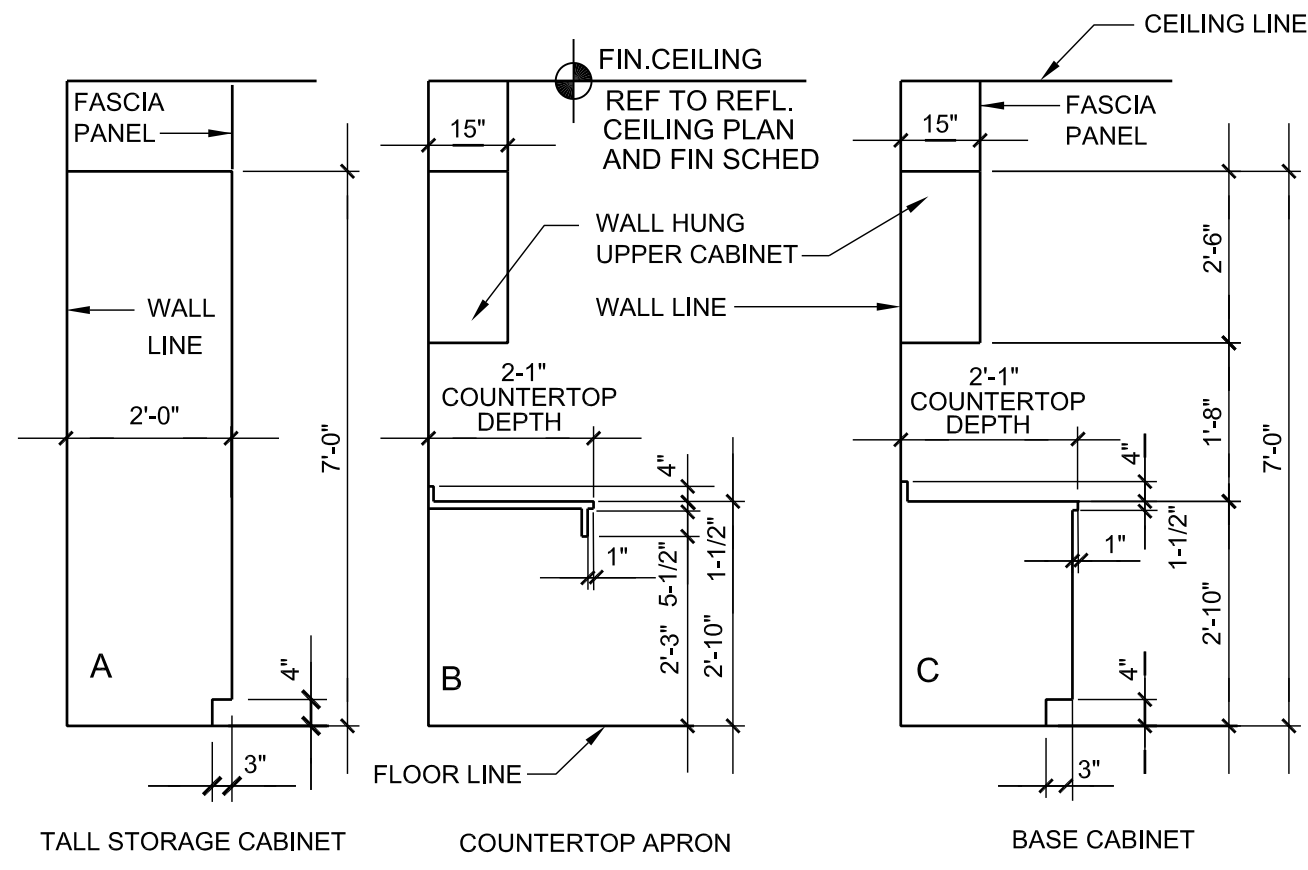
REVISIONS

DRAWN: LC	CHECKED: LC
DATE: 04/25/2017	SCALE: 1/4" = 1'-0"
PROJECT NUMBER: 1615400	

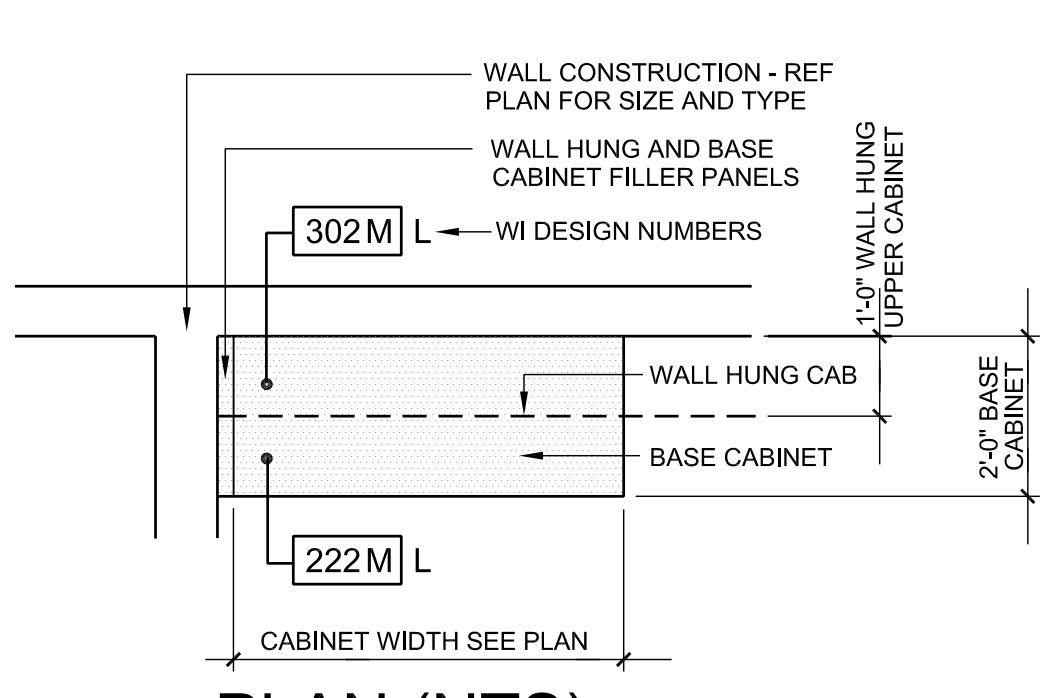
**BUILDING W  
INTERIOR  
ELEVATIONS**

DRAWING NUMBER: **AW7.2**





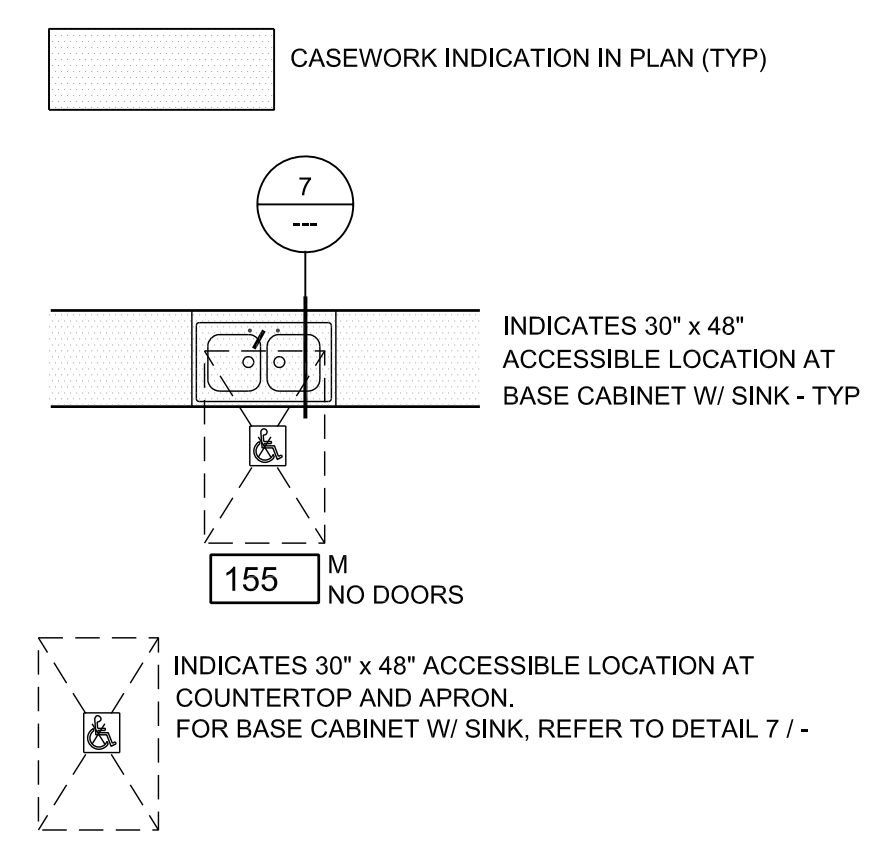
TYPICAL CABINET SECTIONS (NTS)



PLAN (NTS)

GENERAL NOTES:

1. REFER TO CASEWORK ANCHORAGE DETAILS 416.1
2. REFER TO CASEWORK ANCHORAGE NOTES 216.1
3. REFER TO GENERAL NOTES FOR CASEWORK 118.1
4. REFER TO ACCESSIBLE BASE CABINET DETAIL 7.6.1



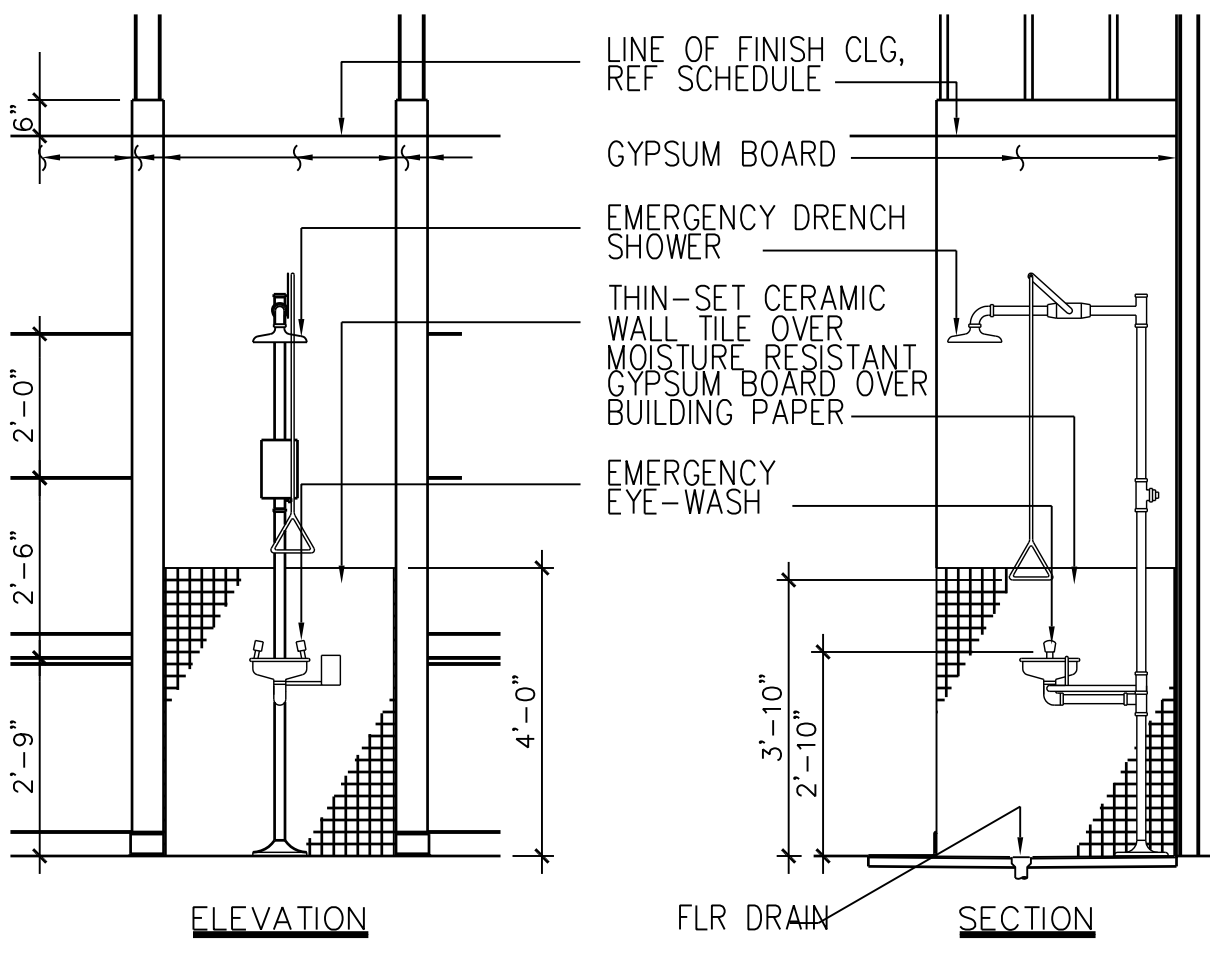
FASTENER SCHEDULE

CABINET TYPE AND SIZE	WALL TYPE	CABINET WIDTH (W)						
		12"	18"	24"	30"	36"	42"	48"
BASE CABINET	WD	2	3	3	4	4	5	5
36" H	MTL	2	3	3	4	4	5	5
24" D	CMU	2	2	2	3	3	4	4
	CONC	2	2	2	3	3	3	3
STORAGE CABINET	WD*	2	2	3	3	4	4	5
96" H	MTL	2	2	3	3	4	4	5
12" D	CONC	2	2	2	3	3	3	3
STORAGE CABINET	WD*	4	4	6	6	8	8	10
96" H	MTL*	4	4	6	6	8	8	10
24" D	CONC	2	2	2	3	3	3	3
UPPER CABINET	MTL	2	2	3	3	4	4	5
48" H	CMU	2	2	2	3	3	4	4
12" D	CONC	2	2	2	3	3	3	3
UPPER CABINET	WD*	4	4	6	6	8	8	10
48" H	MTL*	4	4	6	6	8	8	10
18" D	CONC	2	2	2	3	3	3	3

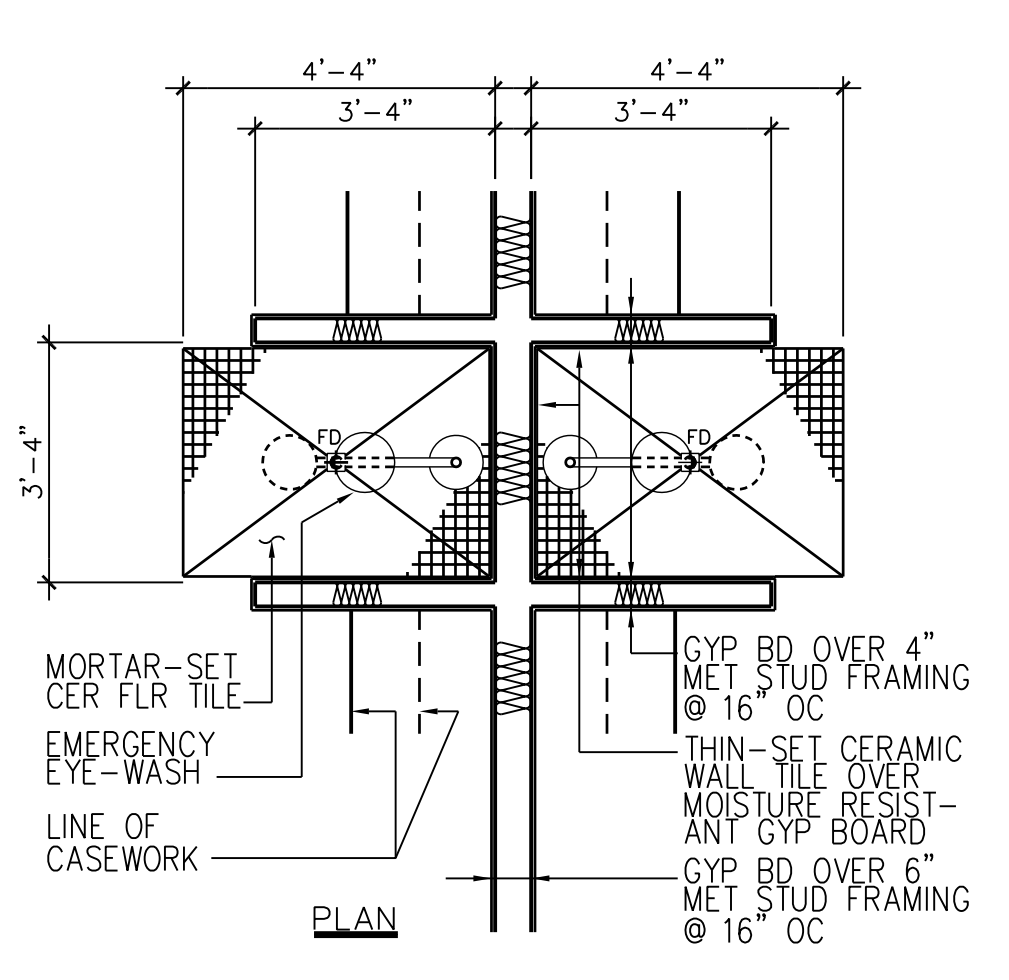
FILE/CS NUMBER: 00640-0047 REVISION DATE: 03/25/13 JOB NUMBER: 881000

1. ALL CASEWORK SHOWN ON SCHEDULE NOT NECESSARILY USED. ONLY THOSE CASEWORK ITEMS CALLED OUT ON INTERIOR ELEVATIONS AND/OR FLOOR PLANS SHALL BE USED.
  2. CASEWORK NUMBERS SHOWN ON SCHEDULE ARE THOSE OF THE WOODWORK INSTITUTE (W) DESIGN NUMBERING SYSTEM.
  3. ALL CASEWORK TO BE INSTALLED ACCORDING TO THE W/CERTIFIED SEISMIC INSTALLATION AND MONITORED COMPLIANCE PROGRAM.
  4. ALL CABINET DIMENSIONS INDICATED IN SCHEDULE ARE NOMINAL OUTSIDE DIMENSIONS.
  5. ALL DIMENSIONS NOTED ON SCHEDULE ARE IN INCHES.
  6. FILLER STRIPS ARE REQUIRED AT ENDS OF CABINETS WHERE CABINETS ARE ADJACENT TO WALLS.
  7. ALL FILLER STRIPS AT ALL TALL AND WALL CABINETS TO HAVE TOP AND BOTTOM RETURNS.
  8. HEIGHT DIMENSIONS OF BASE CABINETS INCLUDE FINISHED TOP THICKNESS OF 1 1/2" & SUBBASE HEIGHT OF 4" UNLESS OTHERWISE NOTED.
  9. HEIGHT DIMENSIONS OF APRONS INCLUDE FINISHED TOP THICKNESS OF 1 1/2" UNLESS OTHERWISE NOTED.
  10. HEIGHT DIMENSIONS OF TOPS WITH APRONS FROM FINISHED FLOOR LINE SHALL MATCH HEIGHT OF ADJACENT BASE CABINETS UNLESS OTHERWISE NOTED.
  11. ALL PLAN DIMENSIONS OF CASEWORK ARE CABINET DIMENSIONS ONLY & DO NOT INCLUDE TOPS.
  12. PROVIDE FINISHED END PANELS FOR SUPPORT OF COUNTERTOPS AT UNDERCOUNTER EQUIPMENT OR NEE SPACES WHERE THERE IS NO ADJACENT WALL OR CABINET THAT CAN BE USED FOR SUPPORT.
  13. FINISH ALL EXPOSED PORTIONS OF CASEWORK AND COUNTERTOPS.
  14. ALL UNITS INCLUDING OPEN UNITS SHALL HAVE CASEWORK MANUFACTURER'S STANDARD CABINET LINER UNLESS OTHERWISE NOTED.
  15. ALL TOE SPACES SHALL BE 4" IN HEIGHT AND 3" IN DEPTH AND SHALL RETURN TO WALL WHERE ENDS OF CABINETS ARE EXPOSED.
  16. ALL SHELVING SHALL BE ADJUSTABLE UNLESS OTHERWISE NOTED.
  17. PROVIDE DUST CLOSURE PANELS TO CEILING OR DROPPED SOFFIT AS INDICATED ON ELEVATIONS OR PLAN.
  18. ALL COUNTERTOPS SHALL BE OF DEPTHS AS SHOWN IN SCHEDULE AND SHALL BE OF MAXIMUM PRACTICAL LENGTHS REQUIRED TO CONFORM TO OVERALL BASE CABINET DIMENSIONS.
  19. PROVIDE BACKSPLASH RETURN AT ENDS OF COUNTERTOPS WHERE ADJACENT TO WALL OR OTHER FULL HEIGHT CASEWORK.
  20. ALL SINKS, SINK TRIM & ELECTRICAL ITEMS SHALL BE FURNISHED BY OTHER THAN THE CASEWORK MANUFACTURER UNLESS OTHERWISE NOTED.
  21. ALL COUNTERTOPS SHALL BE PLASTIC LAMINATE UNLESS OTHERWISE NOTED.
- FILE/CS NUMBER: 00640-0044 REVISION DATE: 03/25/13 JOB NUMBER: 881000

21 TYPICAL CASEWORK LEGEND

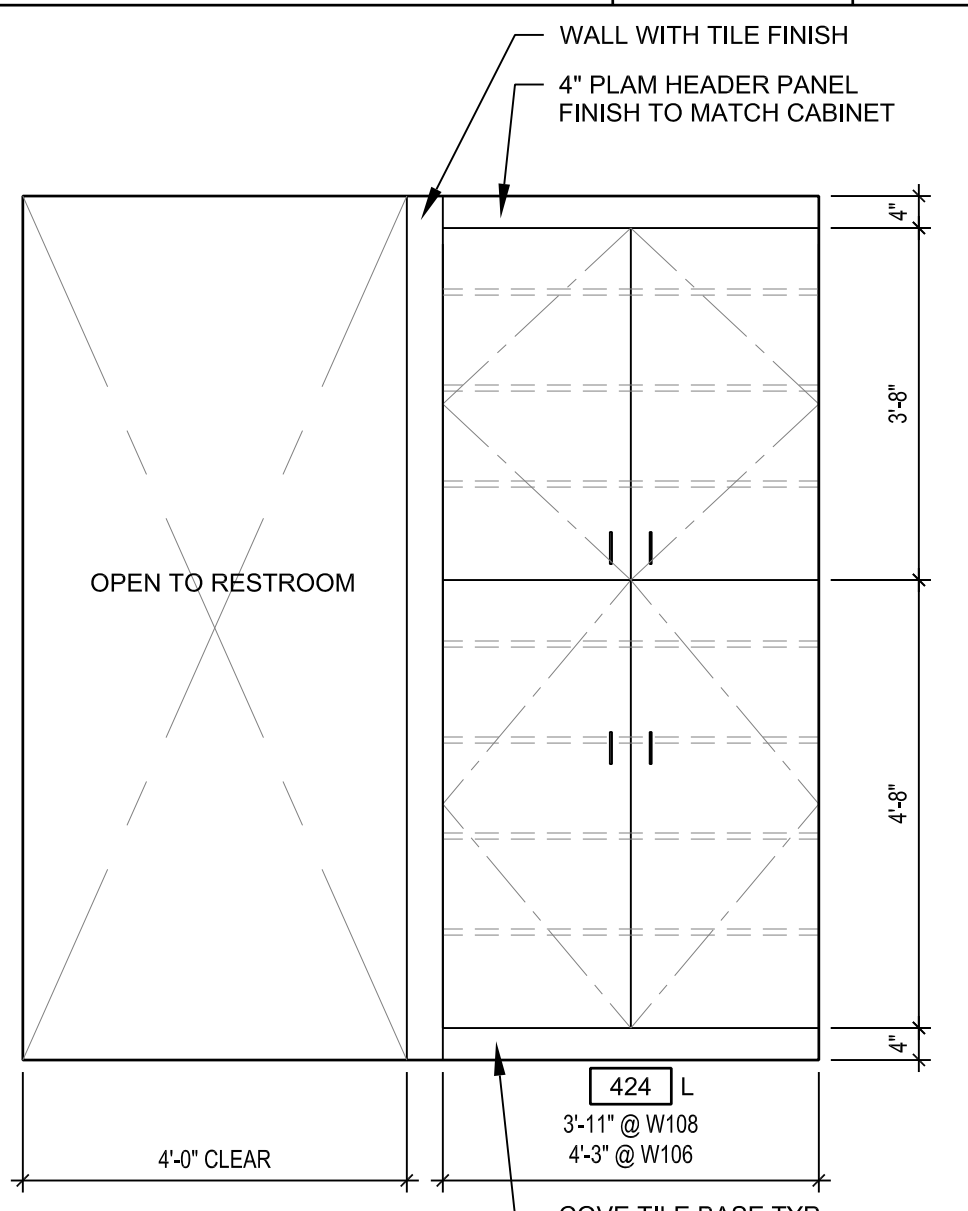


FILE/CS NUMBER: 01540-0008 REVISION DATE: 07/13/00 JOB NUMBER: 881000



FILE/CS NUMBER: 01540-0008 REVISION DATE: 07/13/00 JOB NUMBER: 881000

9 CASEWORK FASTENER SCHED

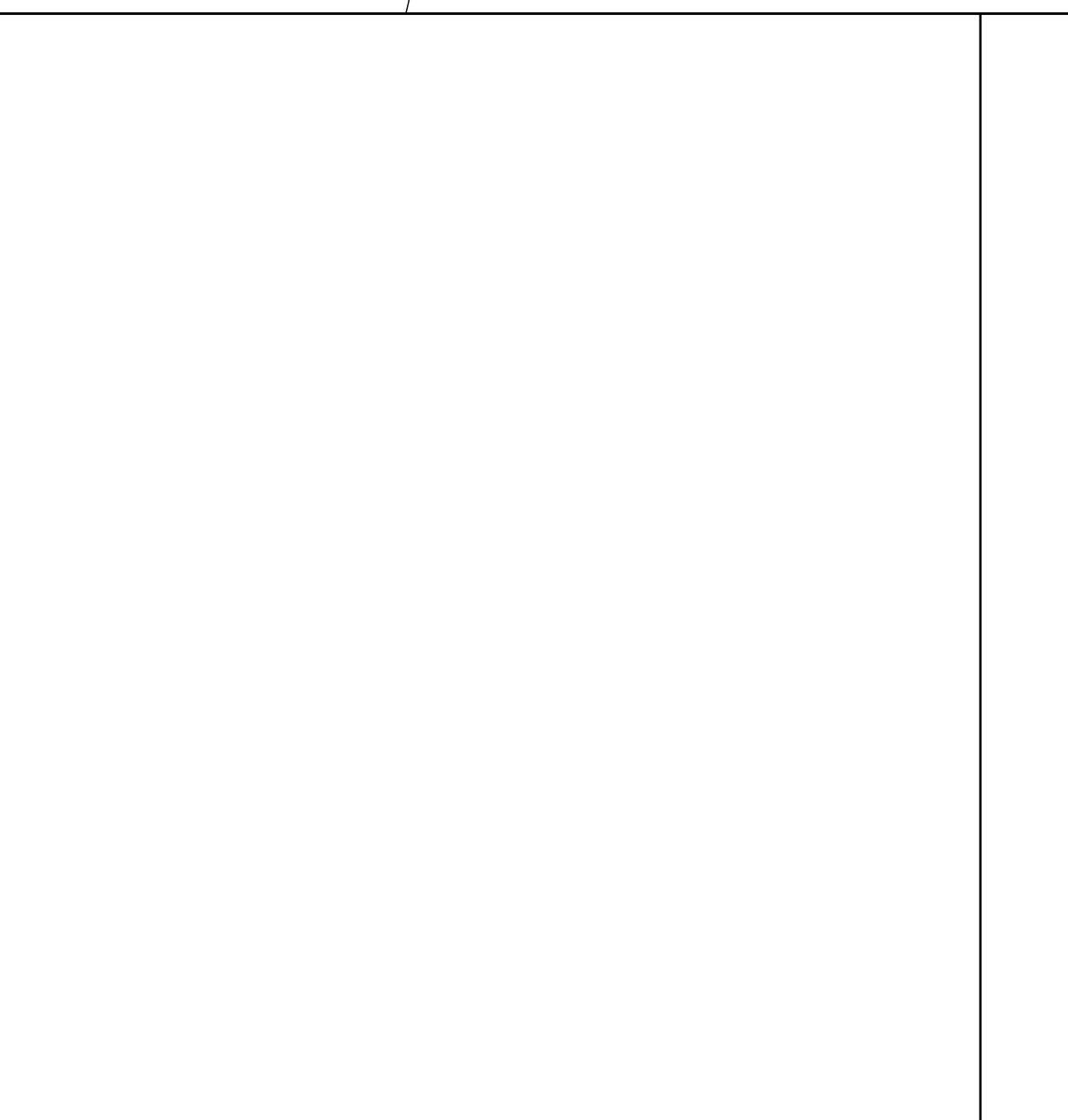


FILE/CS NUMBER: 00640-0048 REVISION DATE: 03/25/13 JOB NUMBER: 881000

5 GEN NOTES FOR CASEWORK

- 1 CASEWORK (FRONT) (BACK) (TOP) (BOTTOM)
  - 2 FACE OF WALL
  - 3 1 x 4 CONT WOOD CLEAT
  - 4 NOT USED
  - 5 #14 FHMS W/ MIN 3 THREADS EXPOSED BEYOND BACKING PLATE. 3" MAX FROM EA END. BACKING PL TO BE 0.0538" THK X 6" HIGH GALV STL PL. ANG PL TO EA WALL. STUD W/ 3-#10X1" LONG FHMS. REF CASEWORK FSTNR SCHED FOR ANG SPACING.
  - 6 3/4" PARTICLE BOARD BASE
  - 7 CONT 2-1/2" X 2-1/2" X 0.0538" THK GALV BENT SHI MET ANGLE
  - 8 3/4" MEDIUM DENSITY FIBERBOARD FASCIA
  - 9 2 x 12 GUSSET @ 16" OC, 3" FROM EACH END W/ #12 X 2" LONG FHMS. SET 2X IN GLUE. NO EXPOSED SCREW HEADS IN EXPOSED VERTICAL PORTIONS OF FASCIA.
  - 10 #12 X 1-1/2" LONG FHMS - 3" FROM EA END AND @ 12" OC
  - 11 3/8" DIA SIMPSON STRONG BOLT 2 W/ 2" MIN EMBEDMENT, 3" FROM EA END & AT 16" OC W/ 6" MIN EDGED DISTANCE. ICC/ES NO. 3037. MINIMUM 2 PER CABINET.
- NOTE: REFER TO CASEWORK ANCHORAGE DETAILS AND CASEWORK FASTENER SCHEDULE AND LOCATION ELEVATION FOR FURTHER EXPLANATION AND DETAIL.
- FILE/CS NUMBER: 00640-0046 REVISION DATE: 06/09/10 JOB NUMBER: 881000

22 EMERGENCY SHOWER/ EYEWASH



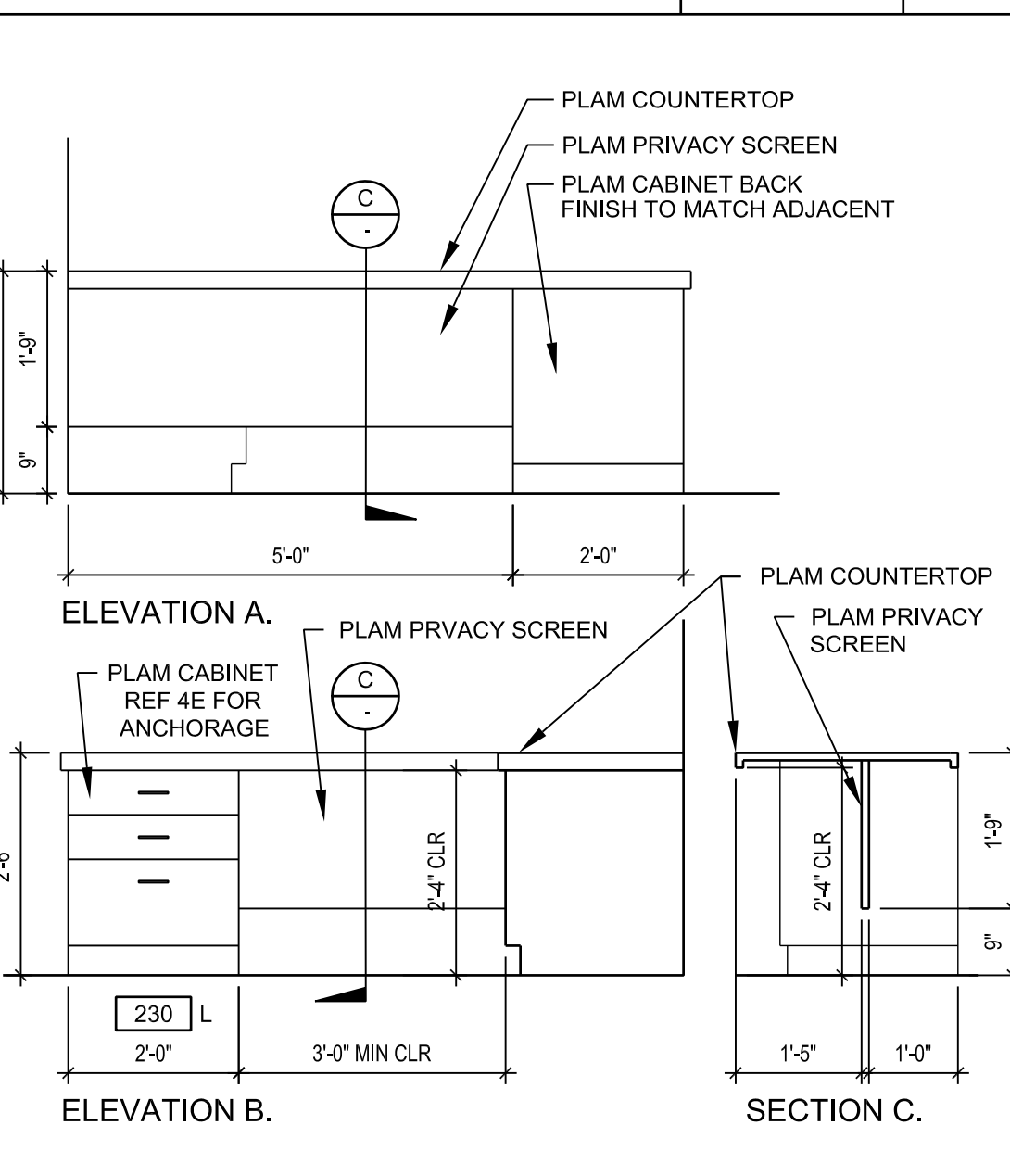
FILE/CS NUMBER: 01540-0008 REVISION DATE: 07/13/00 JOB NUMBER: 881000

14 RESTROOM STORAGE CABINET



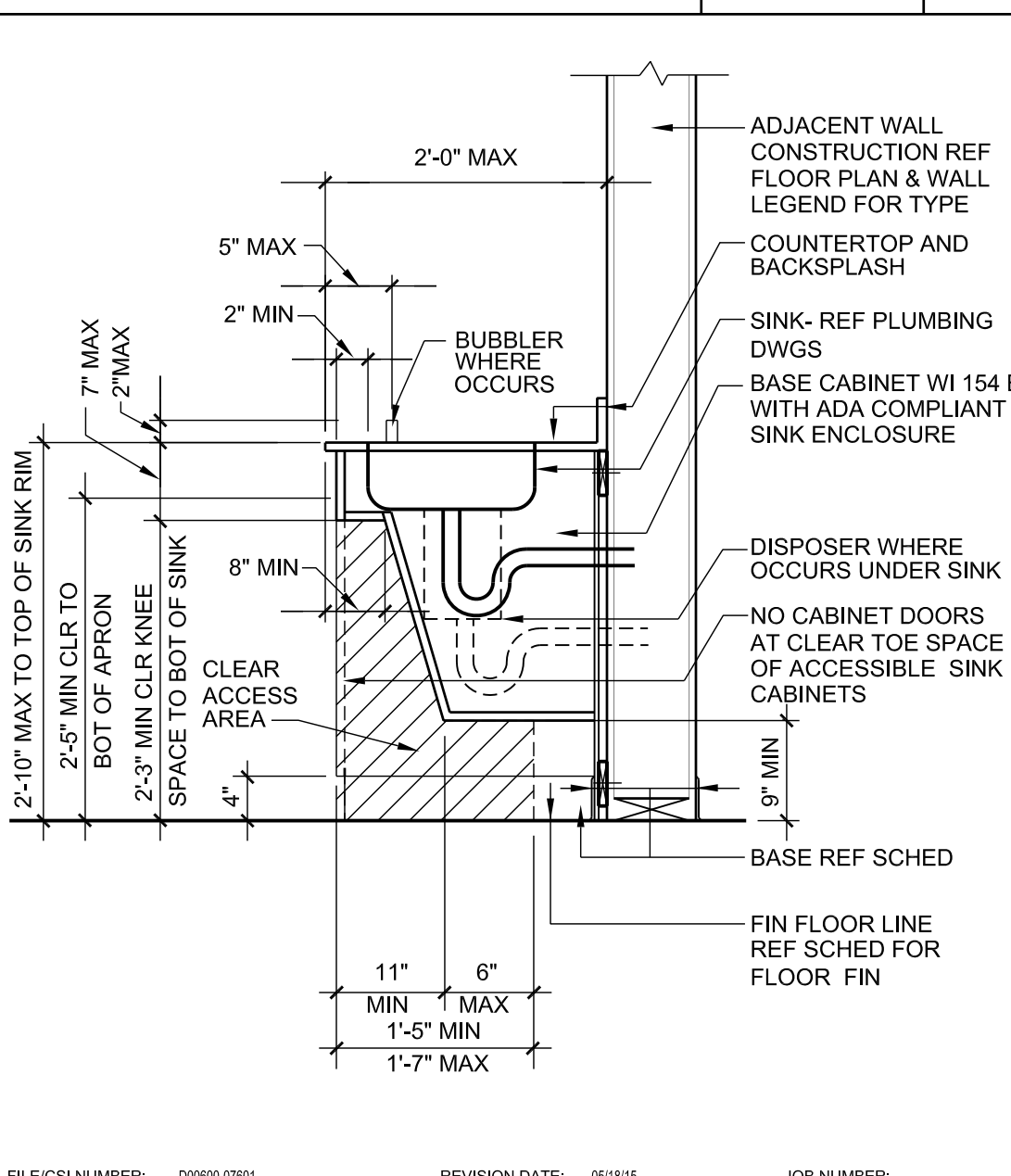
FILE/CS NUMBER: 01540-0008 REVISION DATE: 07/13/00 JOB NUMBER: 881000

10 CASEWORK FSTNR LOCATION



FILE/CS NUMBER: 00640-0048 REVISION DATE: 03/25/13 JOB NUMBER: 881000

6 CASEWORK ANCHORAGE NOTES



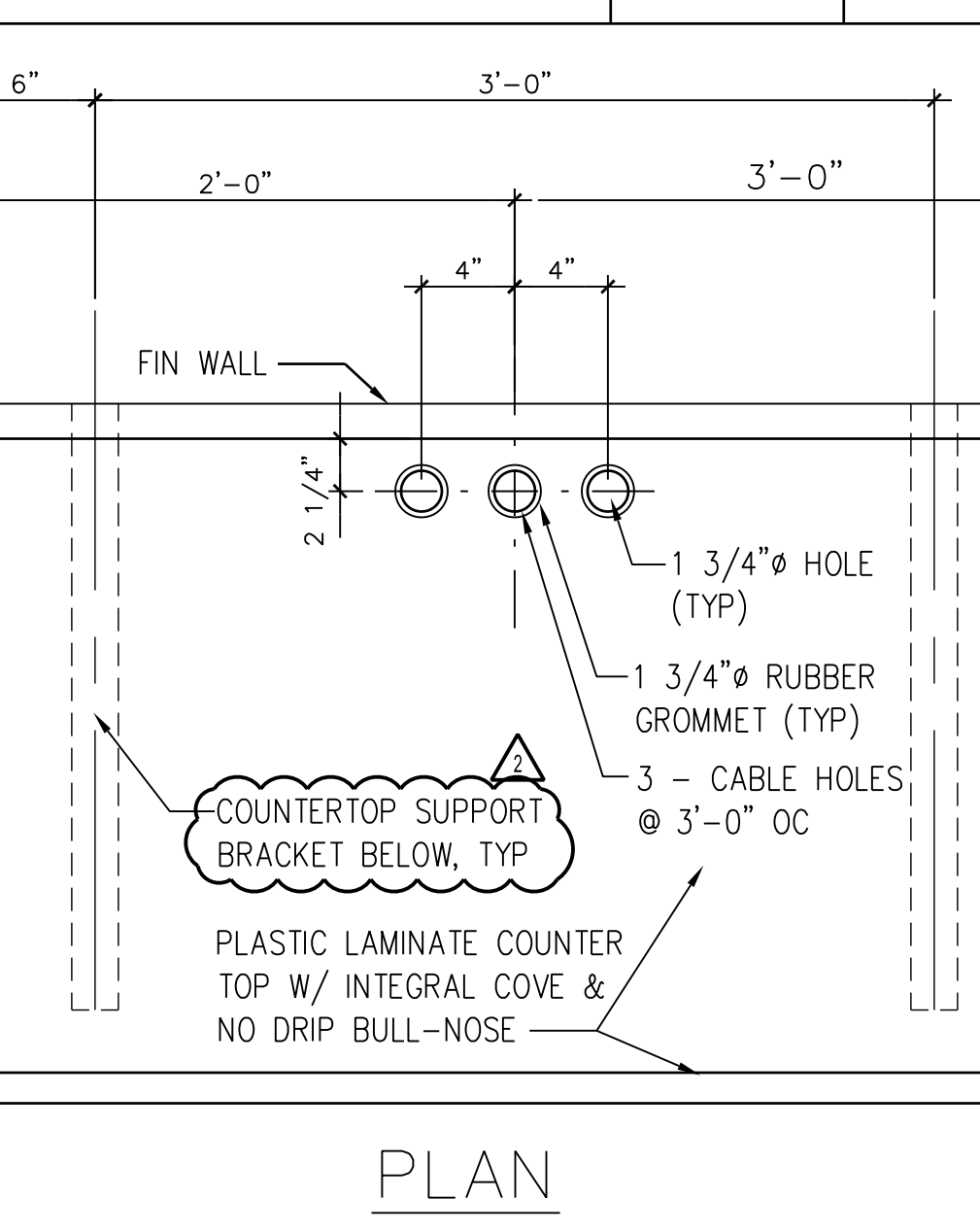
FILE/CS NUMBER: 00640-0046 REVISION DATE: 06/09/10 JOB NUMBER: 881000

19 W104 RECEPTION DESK



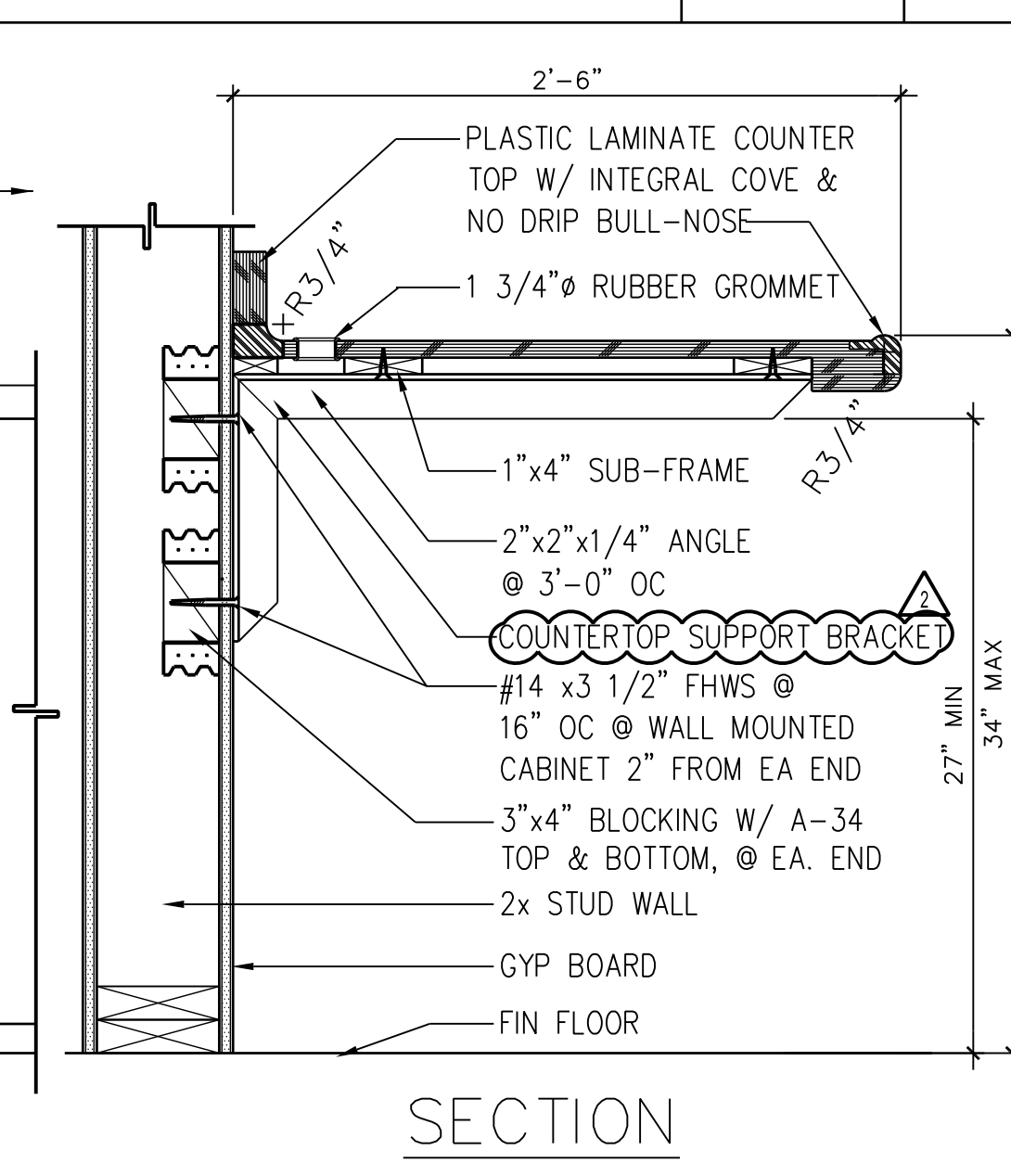
FILE/CS NUMBER: 00640-0008 REVISION DATE: 06/12/00 JOB NUMBER: 881000

15 W104 RECEPTION DESK



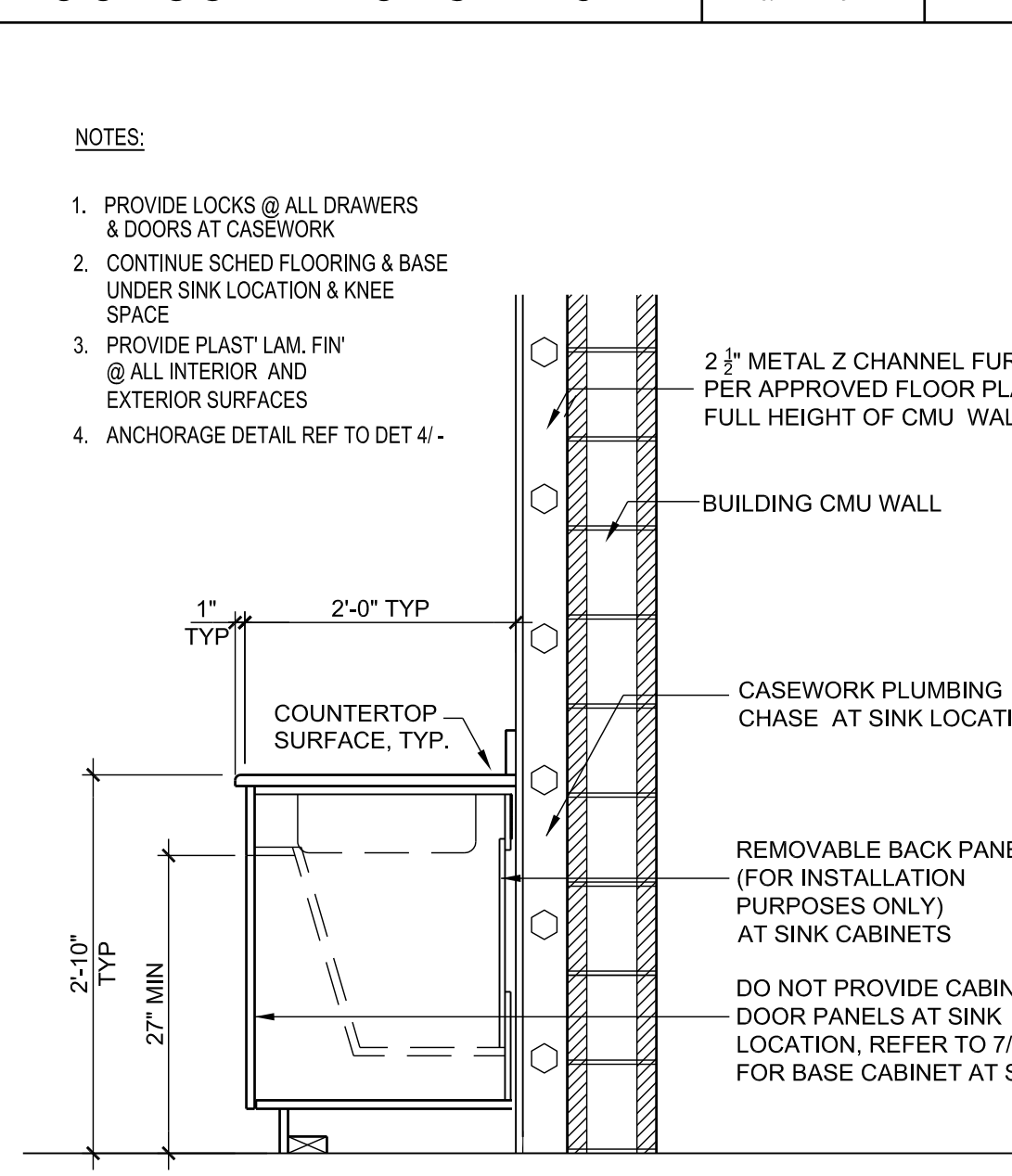
FILE/CS NUMBER: 00640-0008 REVISION DATE: 06/12/00 JOB NUMBER: 881000

11 ACCESSIBLE CASEWORK



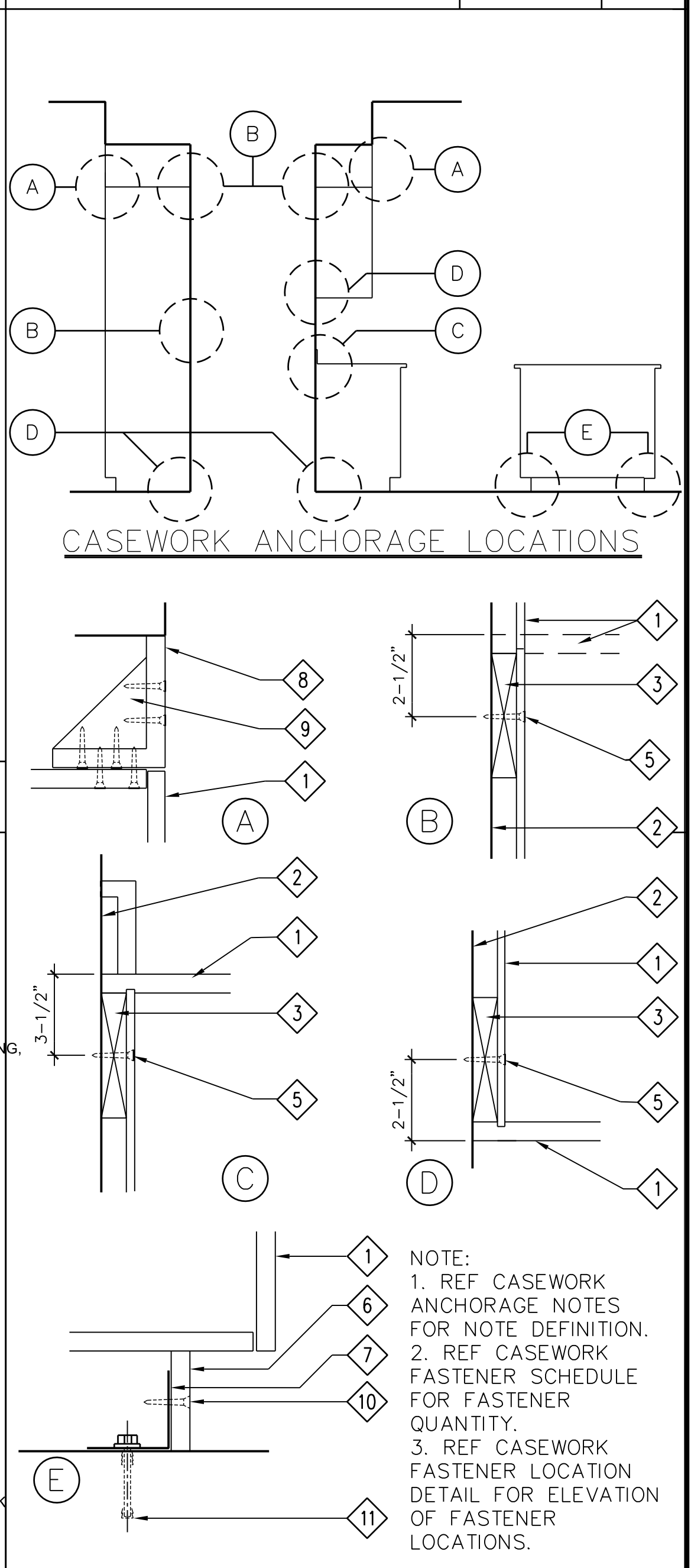
FILE/CS NUMBER: 00640-0048 REVISION DATE: 03/25/13 JOB NUMBER: 881000

7 ACCESSIBLE CASEWORK



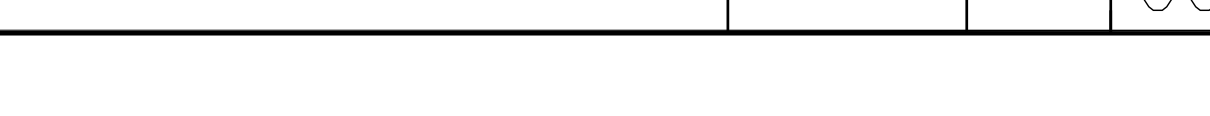
FILE/CS NUMBER: 00640-0048 REVISION DATE: 03/25/13 JOB NUMBER: 881000

2 CASEWORK ANCHORAGE LOCATIONS



FILE/CS NUMBER: 00640-0046 REVISION DATE: 06/09/10 JOB NUMBER: 881000

24 COMPUTER COUNTER



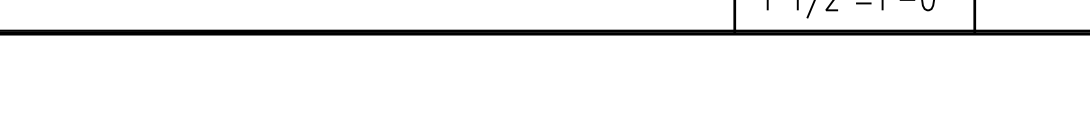
FILE/CS NUMBER: 00640-0008 REVISION DATE: 06/12/00 JOB NUMBER: 881000

20 COMPUTER COUNTER



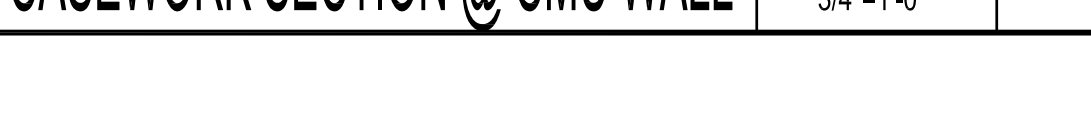
FILE/CS NUMBER: 00640-0008 REVISION DATE: 06/12/00 JOB NUMBER: 881000

12 CASEWORK SECTION @ CMU WALL



FILE/CS NUMBER: 00640-0048 REVISION DATE: 03/25/13 JOB NUMBER: 881000

8 CASEWORK ANCHORAGE DETAILS



FILE/CS NUMBER: 00640-0046 REVISION DATE: 06/09/10 JOB NUMBER: 881000



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MURRIETA, CA 92563  
MURRIETA VALLEY UNIFIED SCHOOL DISTRICT  
PTN 75200-83



CONSULTANT  
APPL 04-115755  
DATE: 04/25/2017  
PROJECT NUMBER: 1615400

NO	DATE	BY	DESCRIPTION
1	06/02/2011	LC	ADDENDUM 2
REVISIONS			

DRAWN: WLC CHECKED: .  
DATE: 04/25/2017 SCALE: AS NOTED  
PROJECT NUMBER: 1615400

MILLWORK DETAILS AND SCHEDULES  
DRAWING NUMBER: 6.1



## ROOM FINISH SCHEDULE

LOCATION	ROOM		FLR MTL	BASE FINISH	WALL MATERIAL				CEILING		WAINSCOT		FINISHES			REMARKS
	NUMBER	NAME			N	E	S	W	MTL	HT	MTL	HT	FLOOR	WALLS	CEILING	
BUILDING W	W101	STAIR	CONC	-	CMU	CMU	CMU	CMU	PLAS	24'-0"	-	-	NRMC	-	PLAS	
	W102	CUSTODIAL ROOM	CONC	RESIL	CMU	CMU	CMU	CMU	GYP	9'-0"	-	-	VCT	FRP	PNT	1.
	W103	FITNESS EQUIPMENT	CONC	RESIL	GYP	GYP	CMU / GYP	CMU	GYP	9'-0"	-	-	VCT	PNT	PNT	
	W104	SPORTS MEDICINE / FITNESS LAB	CONC	RESIL	GYP	GYP	GYP	GYP	GYP	9'-0"	-	-	CRF	PNT / TWB	PNT	
	W105	SPORTS MEDICINE / FITNESS CLASSROOM	CONC	RESIL	CMU	GYP	GYP	GYP	ACT	9'-0"	-	-	CPT	PNT / TWB	ACT 2	
	W106	GIRLS RESTROOM	CONC	CTS	GYP	GYP	GYP	GYP	GYP	9'-0"	-	-	POR	POR	PNT	1.
	W107	STAFF RESTROOM	CONC	CTS	GYP	GYP	GYP	GYP	GYP	9'-0"	-	-	POR	POR	PNT	1.
	W108	BOYS RESTROOM	CONC	CTS	GYP	GYP	GYP	GYP	GYP	9'-0"	-	-	POR	POR	PNT	1.
	W109	ELEVATOR	PLYWD	RESIL	PLYWD	PLYWD	PLYWD	PLYWD	PLYWD	PER MFR	-	-	VCT	PLAM	PER MFR	
	W110	AUDIO TECH EQUIPMENT	CONC	RESIL	CMU	CMU	GYP	GYP	GYP	9'-0"	-	-	VCT	PNT	PNT	
	W110B	ELEVATOR CONTROLS	CONC	RESIL	GYP	GYP	GYP	GYP	GYP	9'-0"	-	-	CHEM	PNT	PNT	
	W111	AUDIO TECH CLASSROOM	CONC	RESIL	CMU	GYP	GYP	GYP	ACT	9'-6"	-	-	CPT	PNT / TWB	ACT 2	
	W112	AUDIO TECH WHISPER ROOM	PER MFR													
	W113	AUDIO TECH WHISPER ROOM	PER MFR													
	W114	ENGINEERING CLASSROOM	CONC	RESIL	GYP	GYP	GYP	GYP	EXP	13'-9"	-	-	LVT	PNT / TWB	-	
	W115	ENGINEERING LAB	CONC	RESIL	GYP	GYP	GYP	GYP	EXP	13'-8"	-	-	LVT	PNT / TWB	-	
	W116	ENGINEERING EQUIPMENT	CONC	RESIL	GYP	GYP	GYP	GYP	EXP	13'-9"	-	-	LVT	PNT	-	
	W117	ENGINEERING YARD	CONC	-	CMU	CMU	CMU	CMU	-	-	-	-	CHEM	PNT	-	
	W118	YARD STORAGE	CONC	RESIL	CMU	CMU	CMU	CMU	GYP	9'-0"	-	-	VCT	-	PNT	
	W119	STAIR	CONC	-	CMU	CMU	CMU	CMU	PLAS	24'-0"	-	-	NRMC	-	PLAS	
	W120	LOW VOLTAGE ROOM	CONC	RESIL	GYP	GYP	CMU	GYP	ACT	9'-0"	-	-	CHEM	PNT	ACT 1	
	W121	ELECTRICAL ROOM	CONC	RESIL	GYP	GYP	GYP	GYP	EXP	13'-8"	-	-	CHEM	PNT	-	
	W122	MECHANICAL ROOM	CONC	RESIL	GYP	GYP	GYP	GYP	GYP	9'-0"	-	-	CHEM	PNT	PNT	
	W201	UPPER WALKWAY	CONC	-	GYP	GYP	GYP	CMU	PLAS	10'-0"	-	-	NRMC	PLAS	PLAS	
	W202	BIO TECH LAB	CONC	RESIL	GYP	GYP	GYP	GYP	ACT	9'-0"	-	-	LVT	PNT / TWB	ACT 2	
	W203	BIO TECH PREP ROOM	CONC	RESIL	GYP	GYP	GYP	GYP	ACT	9'-0"	-	-	LVT	PNT	ACT 1	
	W204	BIO TECH LAB	CONC	RESIL	GYP	GYP	GYP	GYP	ACT	9'-0"	-	-	LVT	PNT / TWB	ACT 2	
	W205	STAFF RESTROOM	CONC	CTS	GYP	GYP	GYP	GYP	GYP	9'-0"	-	-	POR	POR	PNT	
	W206	CUSTODIAL ROOM	CONC	RESIL	CMU	CMU	CMU	CMU	GYP	9'-0"	-	-	VCT	FRP	PNT	1.
	W207	COMPUTER PROGRAMMING CLASSROOM	CONC	RESIL	GYP	GYP	GYP	GYP	ACT	9'-0"	-	-	CPT	PNT / TWB	ACT 2	
	W208	CSI / LAW CLASSROOM	CONC	RESIL	GYP	GYP	GYP	GYP	ACT	9'-0"	-	-	LVT	PNT / TWB	ACT 2	
	W209	HEALTH CLASSROOM	CONC	RESIL	GYP	GYP	GYP	GYP	ACT	9'-0"	-	-	CPT	PNT / TWB	ACT 2	
	W210	HEALTH CLASSROOM	CONC	RESIL	GYP	GYP	GYP	GYP	ACT	9'-0"	-	-	CPT	PNT / TWB	ACT 2	

1	2	3	4	5	6a	6b	6c	6d	7a	7b	8a	8b	9a	9b	9c	10
<b>ROOM FINISH SCHEDULE COLUMN REFERENCE GUIDE</b>																
1.	ROOM LOCATION: LOCATION OF ROOM IN BUILDING COMPLEX, I.E., FIRST FLOOR, THIRD FLOOR, AREA A, AREA B, BUILDING A, BUILDING B, ETC.															
2.	ROOM NUMBER: SPECIFIC NUMBER ASSIGNED TO INDIVIDUAL ROOM.															
3.	ROOM NAME: DESIGNATES SPECIFIC USAGE OF SPACE.															
4.	FLOOR MATERIAL: DESIGNATES BASE FLOOR MATERIAL, I.E., CONCRETE, WOOD, STEEL, ETC.															
5.	BASE FINISH: DESIGNATES BASE FINISH, I.E., RESIL - RESILIENT (POR - PORCELAIN TILE) CTS - CERAMIC TILE SANITARY COVE, ETC.															
6.	WALL MATERIALS: DESIGNATES MATERIAL FROM WHICH WALLS ARE CONSTRUCTED, I.E., CONC - CONCRETE, CMU - CONCRETE MASONRY UNIT, GYP - GYPSUM BOARD, ETC. NUMERICAL DESIGNATION OF WALL REFERS TO WALL NUMBER ORIENTATION DEFINED BY AREA IDENTITY SHOWN ON PLAN.															
7.	CEILING MATERIAL AND HEIGHT: DESIGNATES MATERIAL FROM WHICH CEILING IS CONSTRUCTED, I.E., GYP - GYPSUM BOARD, ACT - ACOUSTICAL CEILING TILE, EXP-EXPOSED, AND THE HEIGHT OF THE FINISHED CEILING FROM THE FINISHED FLOOR LINE EXPRESSED IN FEET AND INCHES.															
8.	WAINSCOT MATERIAL AND HEIGHT: DESIGNATES ANY WAINSCOTING MATERIAL, I.E., CER - CERAMIC TILE, QT- QUARRY TILE, VWC - VINYL WALLCOVERING, ETC., AND HEIGHT OF WAINSCOT MATERIAL FROM FINISHED FLOOR LINE EXPRESSED IN FEET AND INCHES.															
FINISHES: FLOOR: CPT - CARPET, VCT - VINYL COMPOSITION TILE, CHEM - CONC W CHEMICAL HARDENER FINISH, NRMC - NEOPRENE RUBBER MEMBRANE COATING, CRF - CUSHIONED RUBBER FLOORING (POR - PORCELAIN TILE), LVT - LUXURY VINYL TILE, WALL: FRP - FIBER REINFORCED PLASTIC, VWC - VINYL WALL COVERING, TWB - TACKABLE WALL BOARD, POR - PORCELAIN TILE, CEILING: PNT - PAINT, ACT 1 = 2X4 ACOUSTICAL CEILING TILE, ACT 2 2X2 ACOUSTICAL CEILING TILE, PLAS - EXTERIOR PLASTER																
9.	REMARKS: DESIGNATES OR REFERENCES SPECIAL, UNUSUAL OR ABSTRACT CONDITIONS WHICH EXIST AND ARE NOT COVERED IN SCHEDULE ITEMS 1 THRU 9. REFER TO REMARKS REFERENCE SCHEDULE FOR ALPHANUMERICAL DESIGNATION.															

REMARKS REFERENCE SCHEDULE	
1.	MOISTURE RESISTANT GYP BD
2.	AND HERE

## ROOM FINISH SCHEDULE

LOCATION	ROOM		FLR MTL	BASE FINISH	WALL MATERIAL				CEILING		WAINSCOT		FINISHES			REMARKS
	NUMBER	NAME			N	E	S	W	MTL	HT	MTL	HT	FLOOR	WALLS	CEILING	
BUILDING X	X101	JROTC CLASSROOM	CONC	RESIL	GYP	GYP	GYP	GYP	ACT	9'-6"	-	-	CPT	PNT / TWB	ACT 2	
	X102	JROTC CLASSROOM	CONC	RESIL	GYP	GYP	GYP	GYP	ACT	9'-6"	-	-	CPT	PNT / TWB	ACT 2	
	X103	CONFERENCE ROOM	CONC	RESIL	GYP	GYP	GYP	GYP	ACT	9'-6"	-	-	CPT	PNT	ACT 1	
	X104	JROTC OFFICE	CONC	RESIL	GYP	GYP	GYP	GYP	ACT	9'-6"	-	-	CPT	PNT	ACT 1	
	X105	JROTC RESOURCE ROOM	CONC	RESIL	GYP	GYP	GYP	GYP	ACT / GYP	9'-6"	-	-	VCT	PNT	ACT 1 / PNT	
	X106	ELECTRICAL ROOM	CONC	RESIL	GYP	GYP	GYP	GYP	GYP	8'-6"	-	-	CHEM	PNT	PNT	
	X107	FIRE RISER	CONC	RESIL	GYP	GYP	GYP	GYP	EXP	13'-9"	-	-	CHEM	PNT	-	

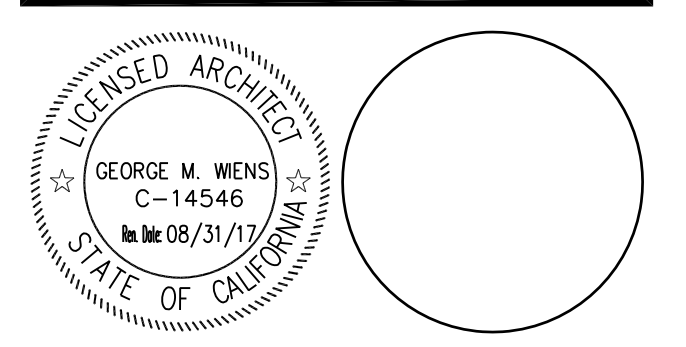


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**CTE CLASSROOM ADDITION  
 VISTA MURRIETA HIGH SCHOOL**  
 28251 CLINTON KEITH ROAD  
 MURRIETA, CA 92563  
 MURRIETA VALLEY UNIFIED SCHOOL DISTRICT

PTN 75200-83



CONSULTANT

IDENTIFICATION STAMP  
 DIV. OF THE STATE ARCHITECT  
 OFFICE OF REGULATION SERVICES  
 APPL 04 - 115755  
 AC: \_\_\_\_\_ FLS: \_\_\_\_\_ SS: \_\_\_\_\_  
 DATE: \_\_\_\_\_

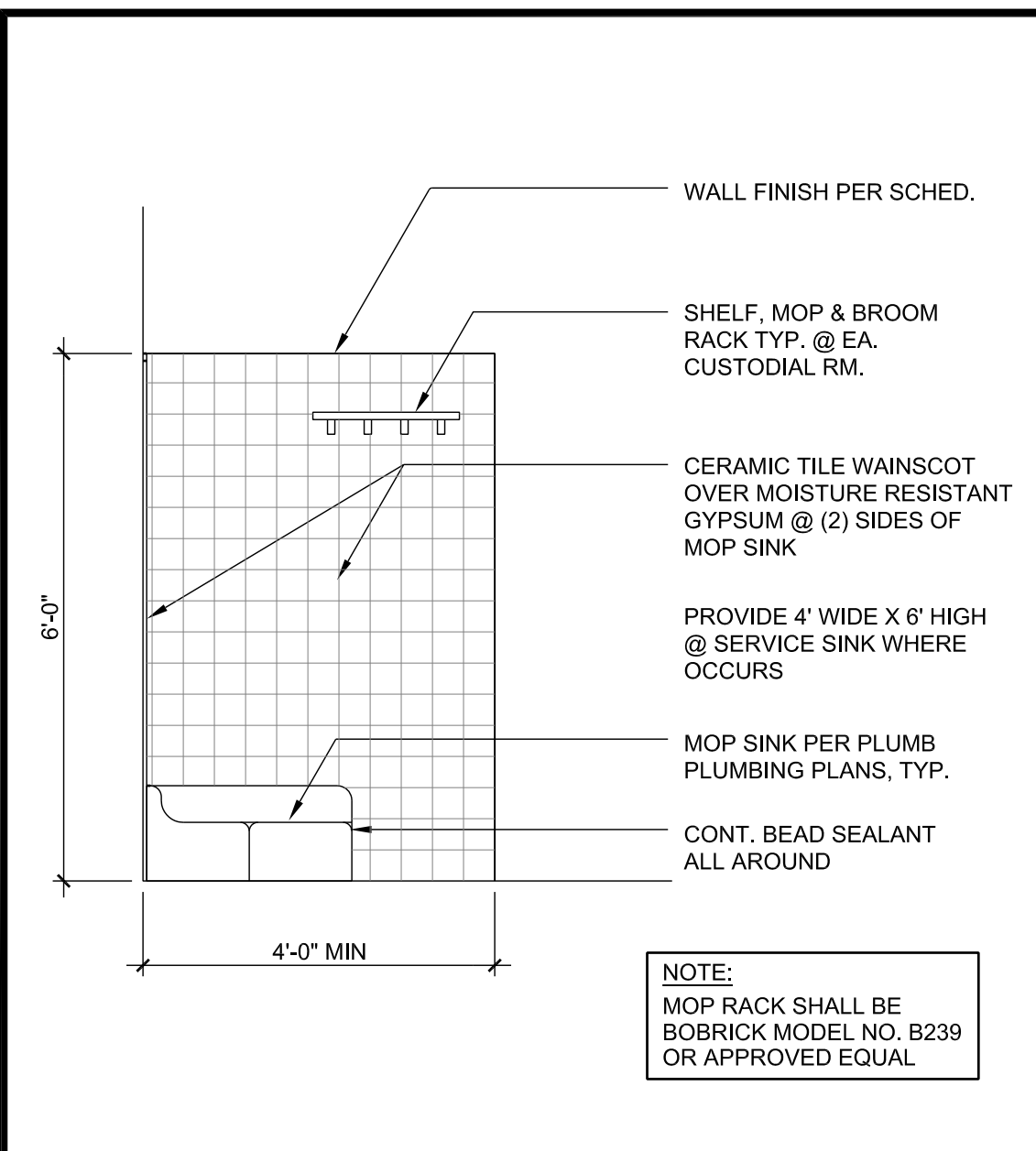
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**DATE:** 04/25/2017 **SCALE:** \_\_\_\_\_  
**PROJECT NUMBER:** 1615400

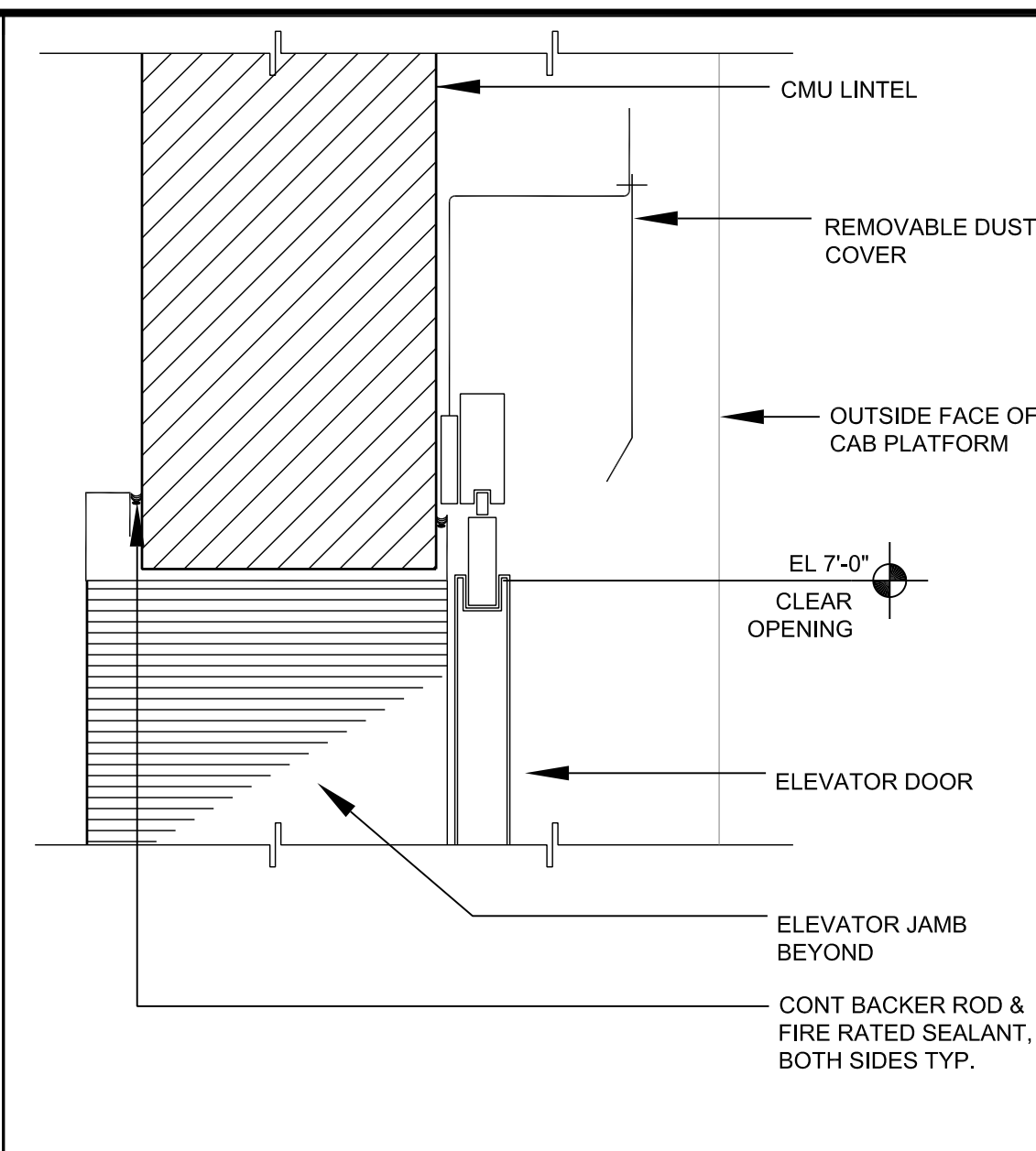
**ROOM  
 FINISH  
 SCHEDULE**

**DRAWING NUMBER: 9.1**

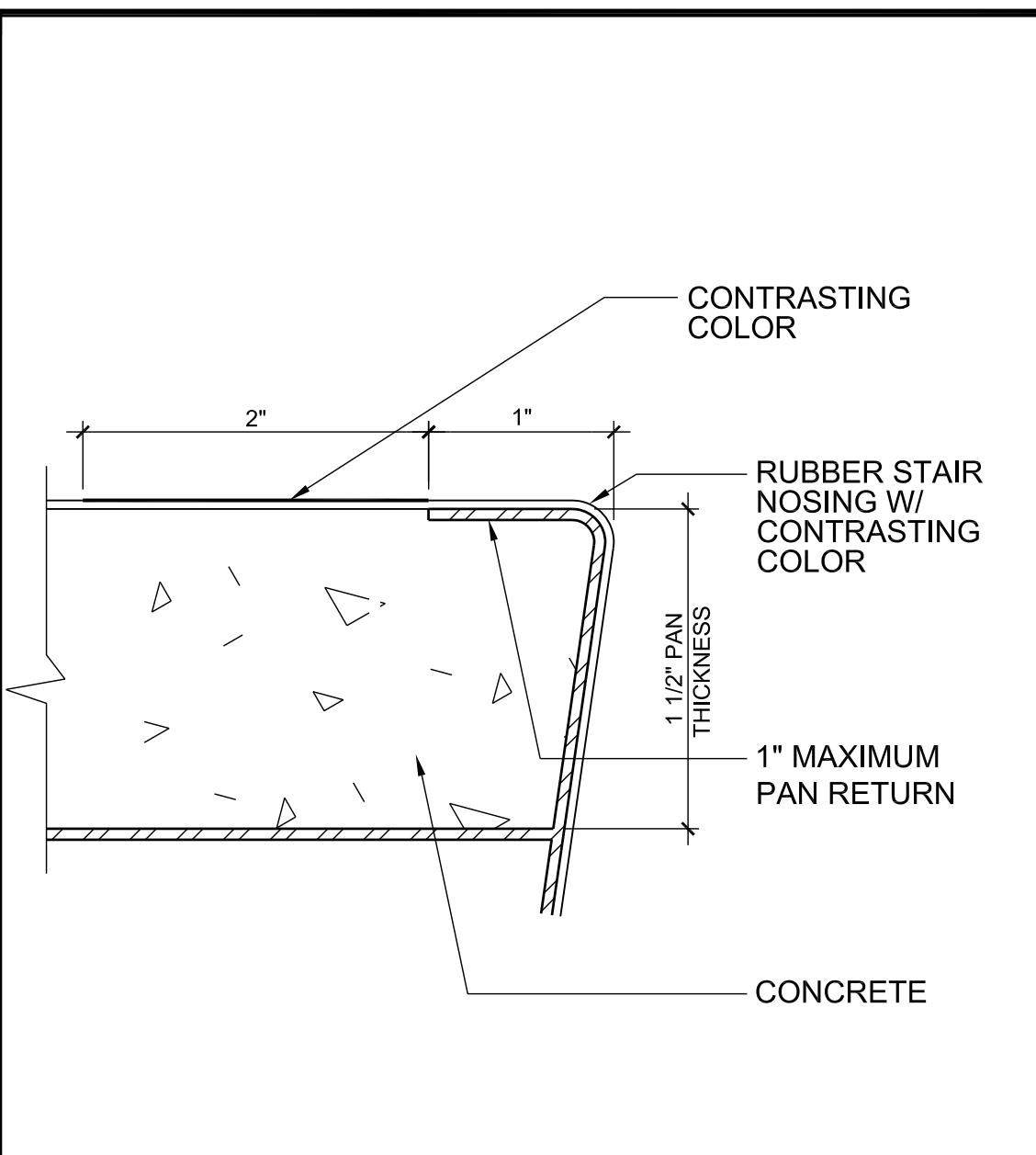




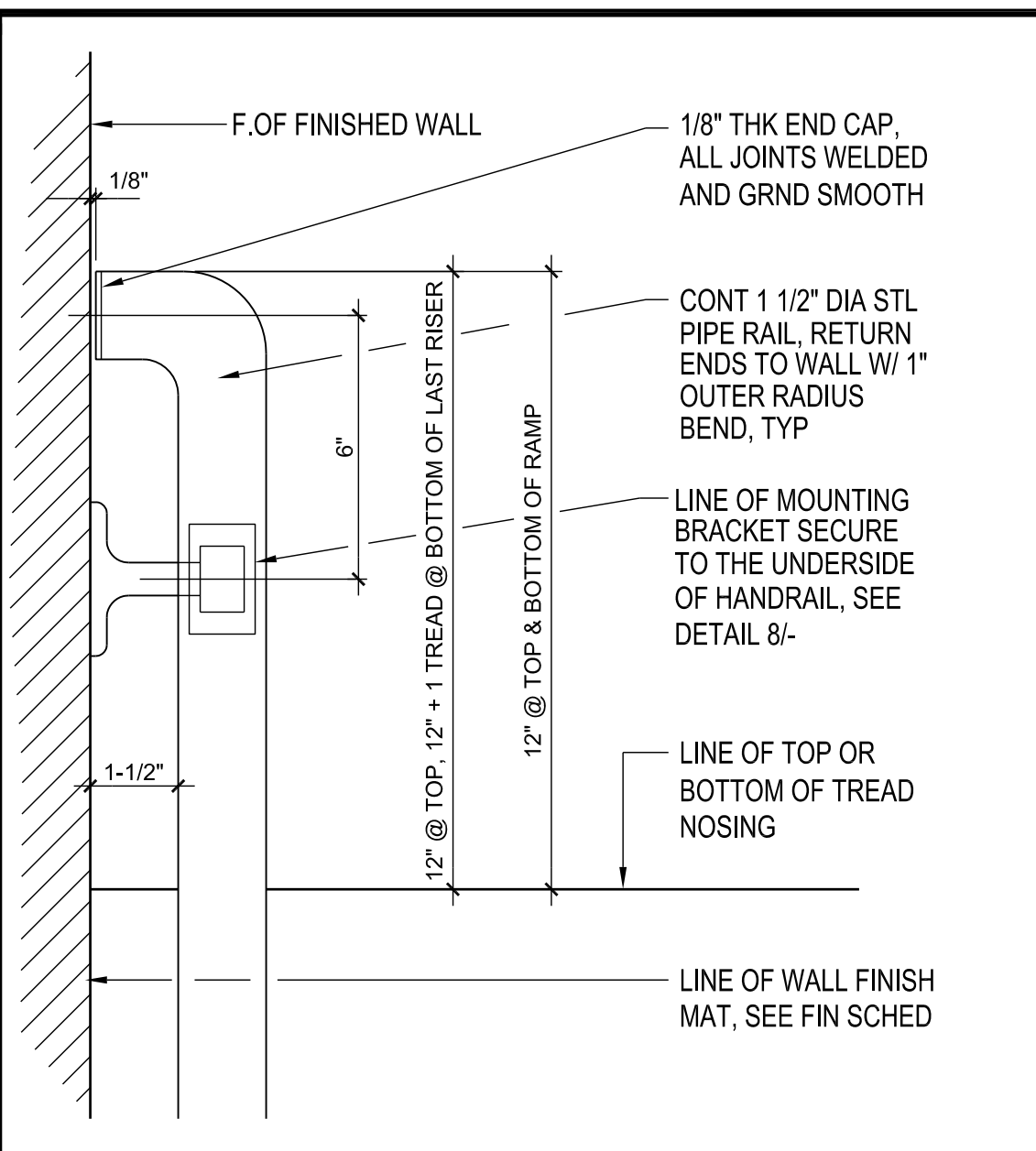
FINISH @ MOP SINK 1/2"=1'-0" 21



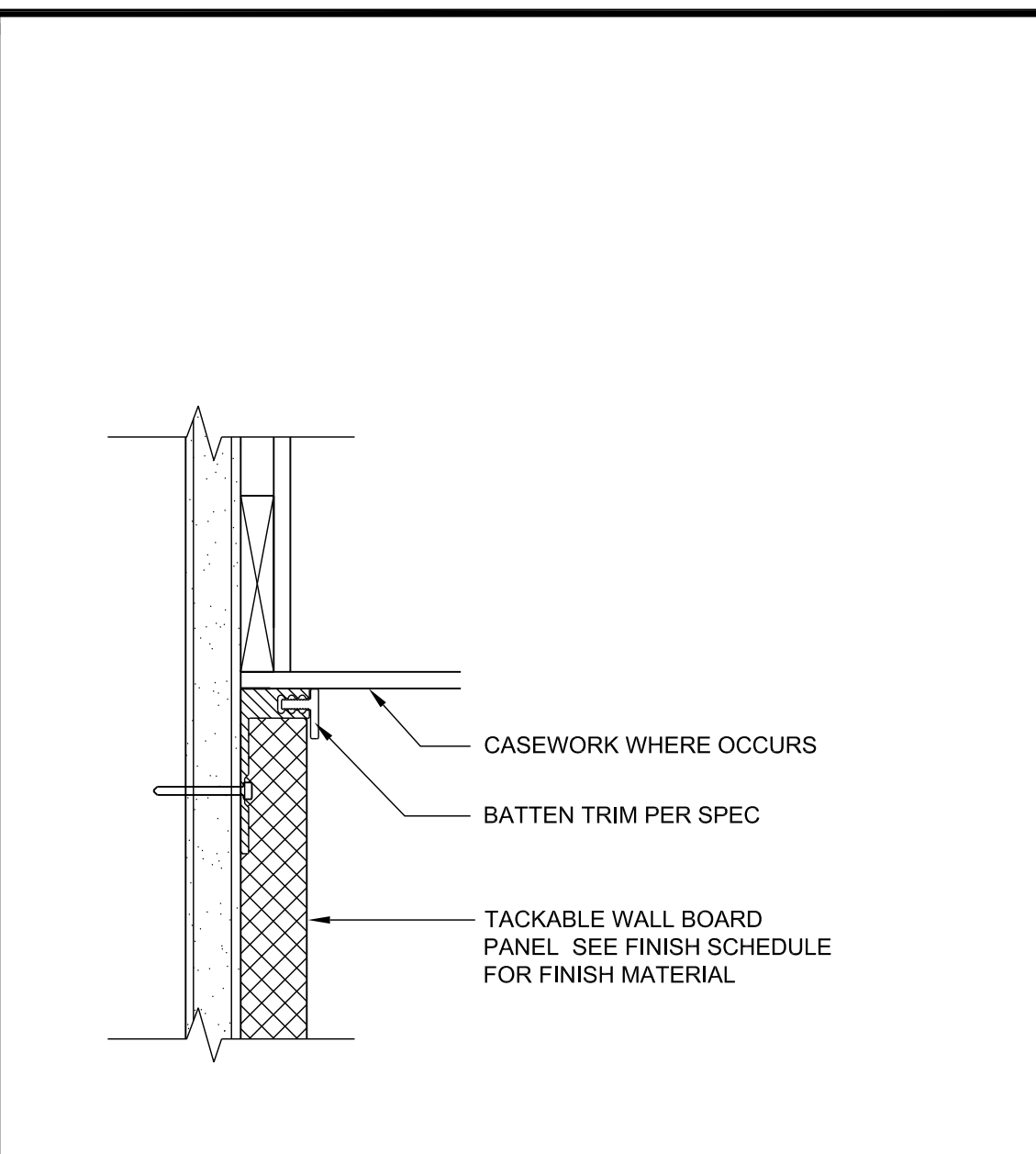
ELEVATOR DOOR HEAD 3"=1'-0" 17



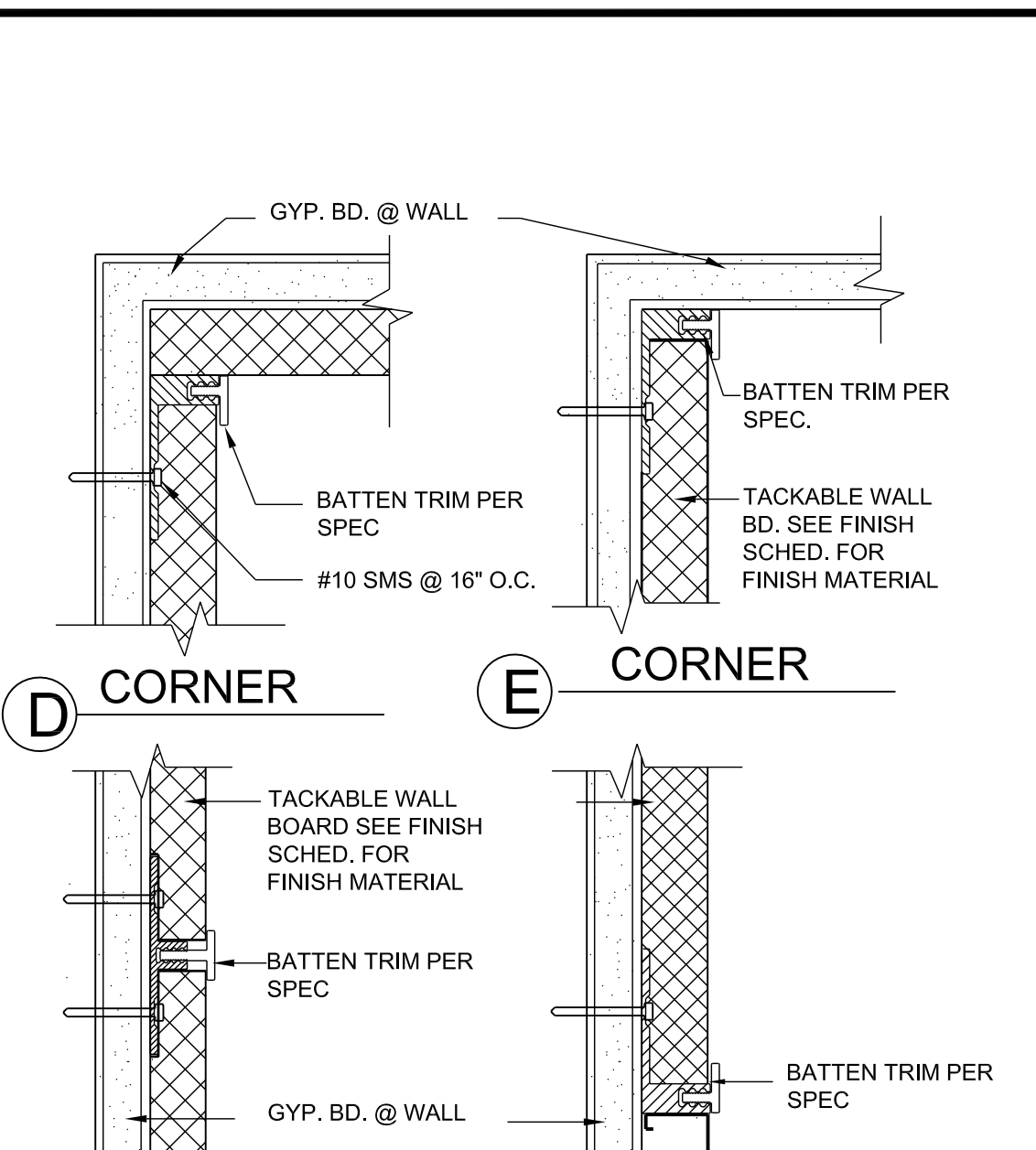
NOSING AT TREAD 1'-0"=1'-0" 13



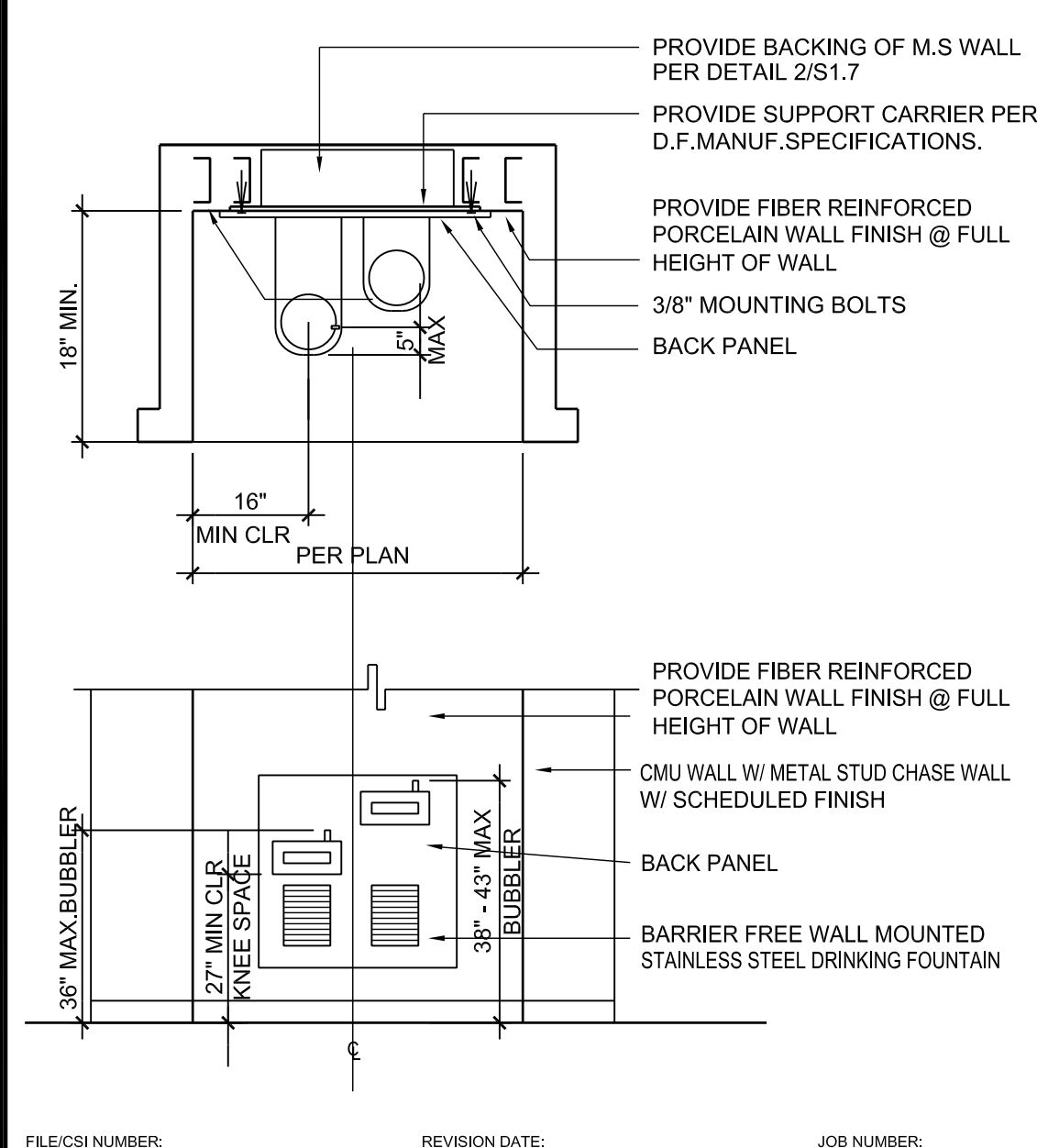
HANDRAIL DETAIL 3"=1'-0" 9



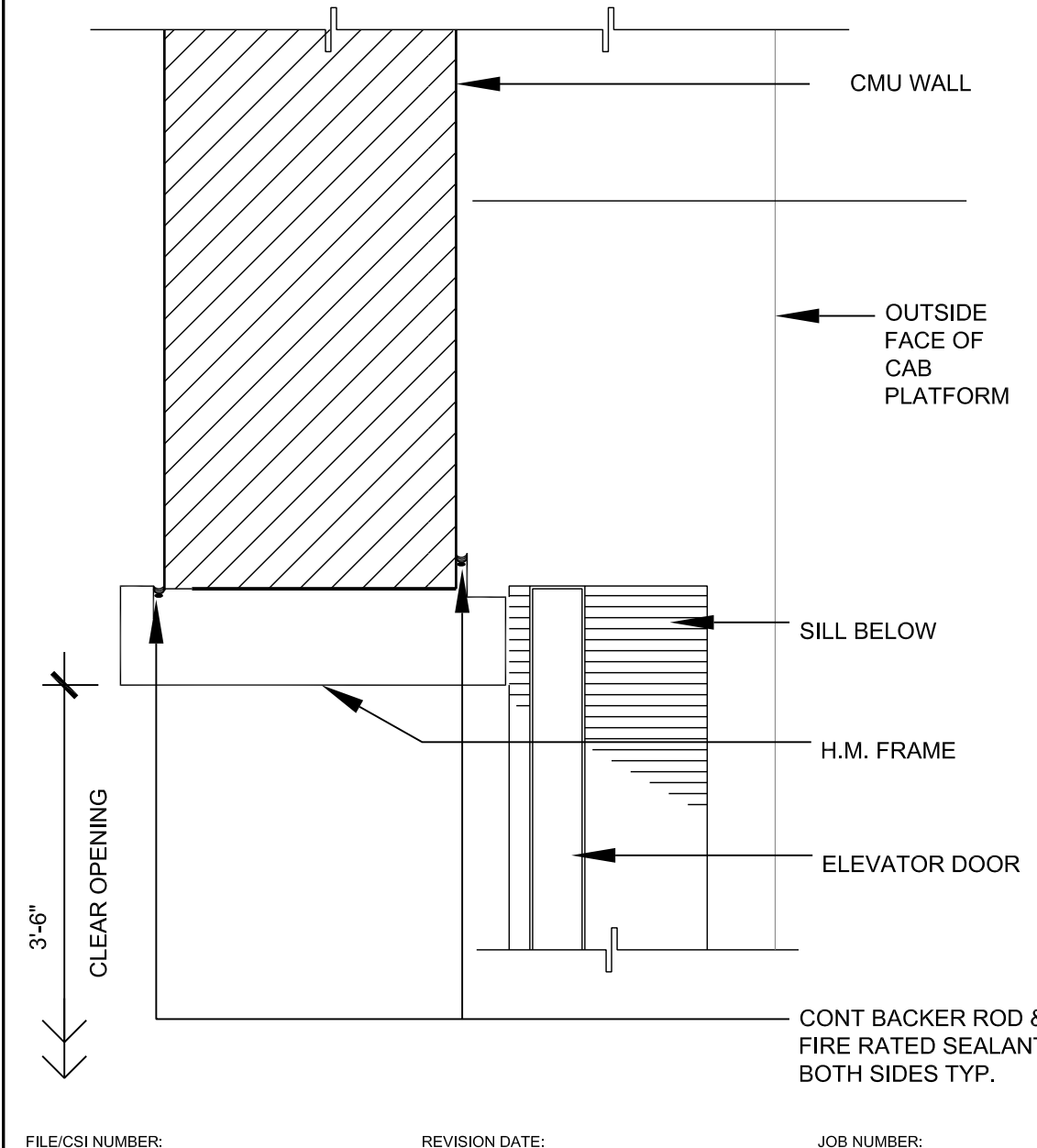
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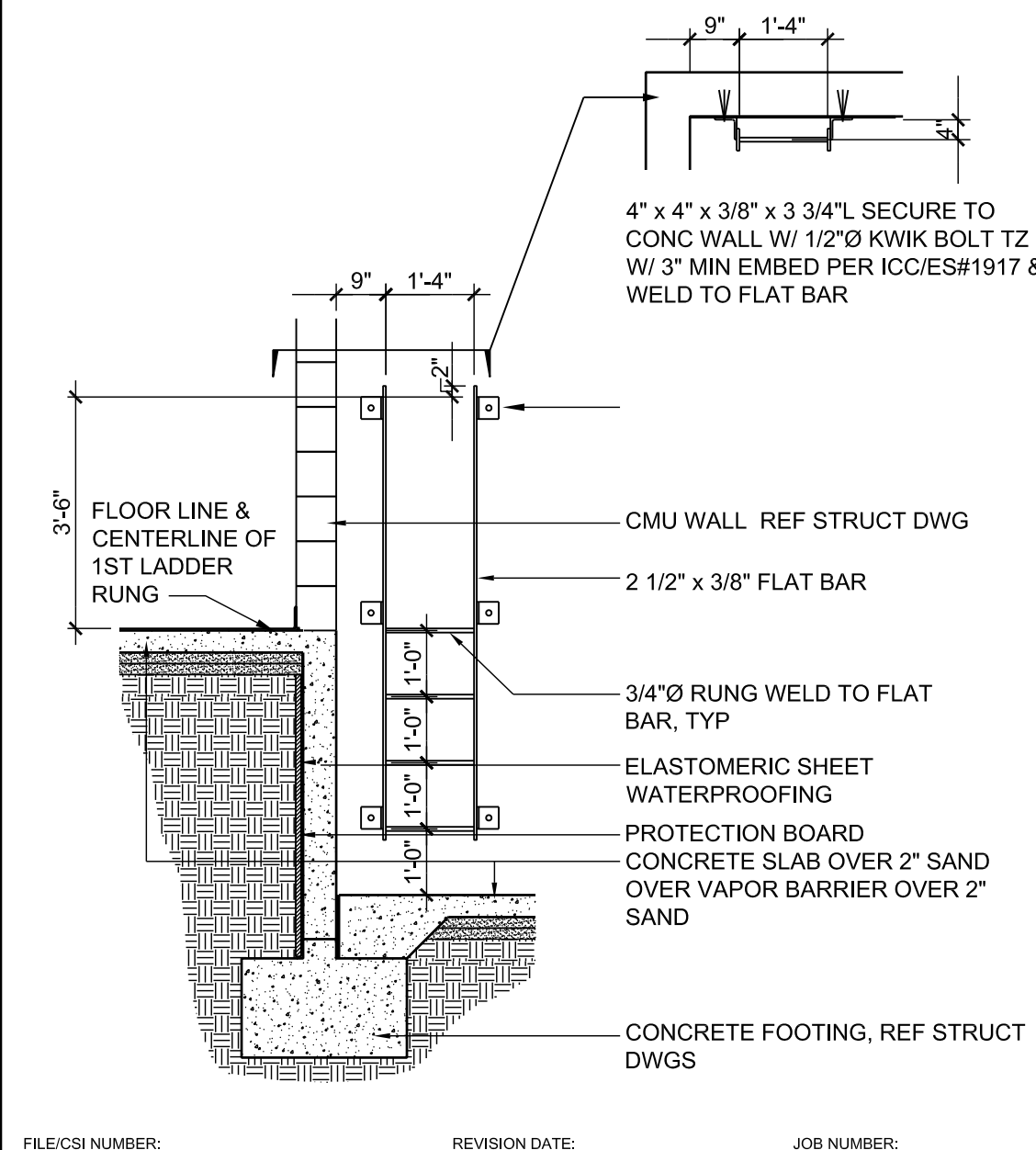
CORNER



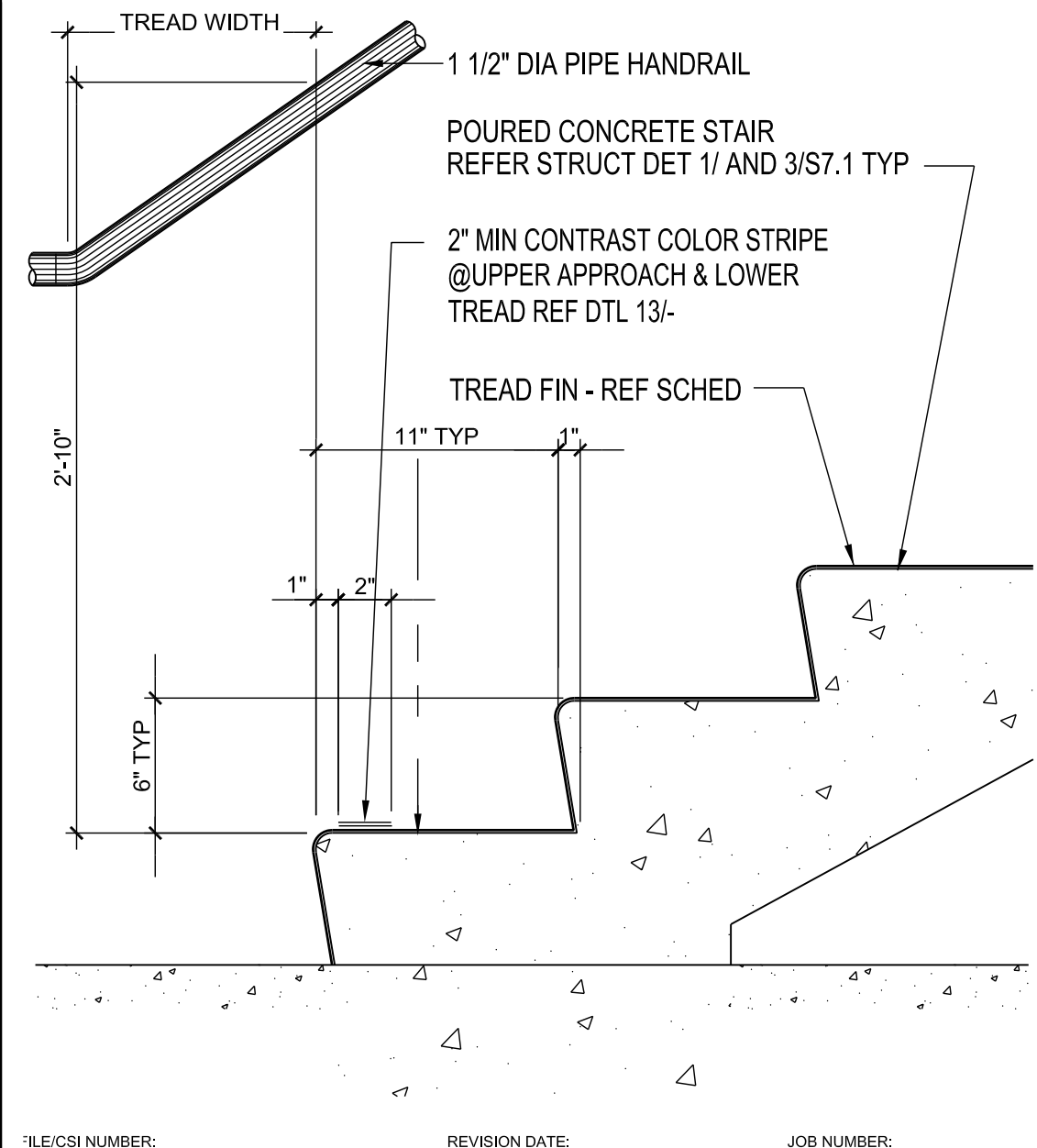
HIGH/LOW DRINKING FOUNTAIN 3/8" = 1'-0" 22



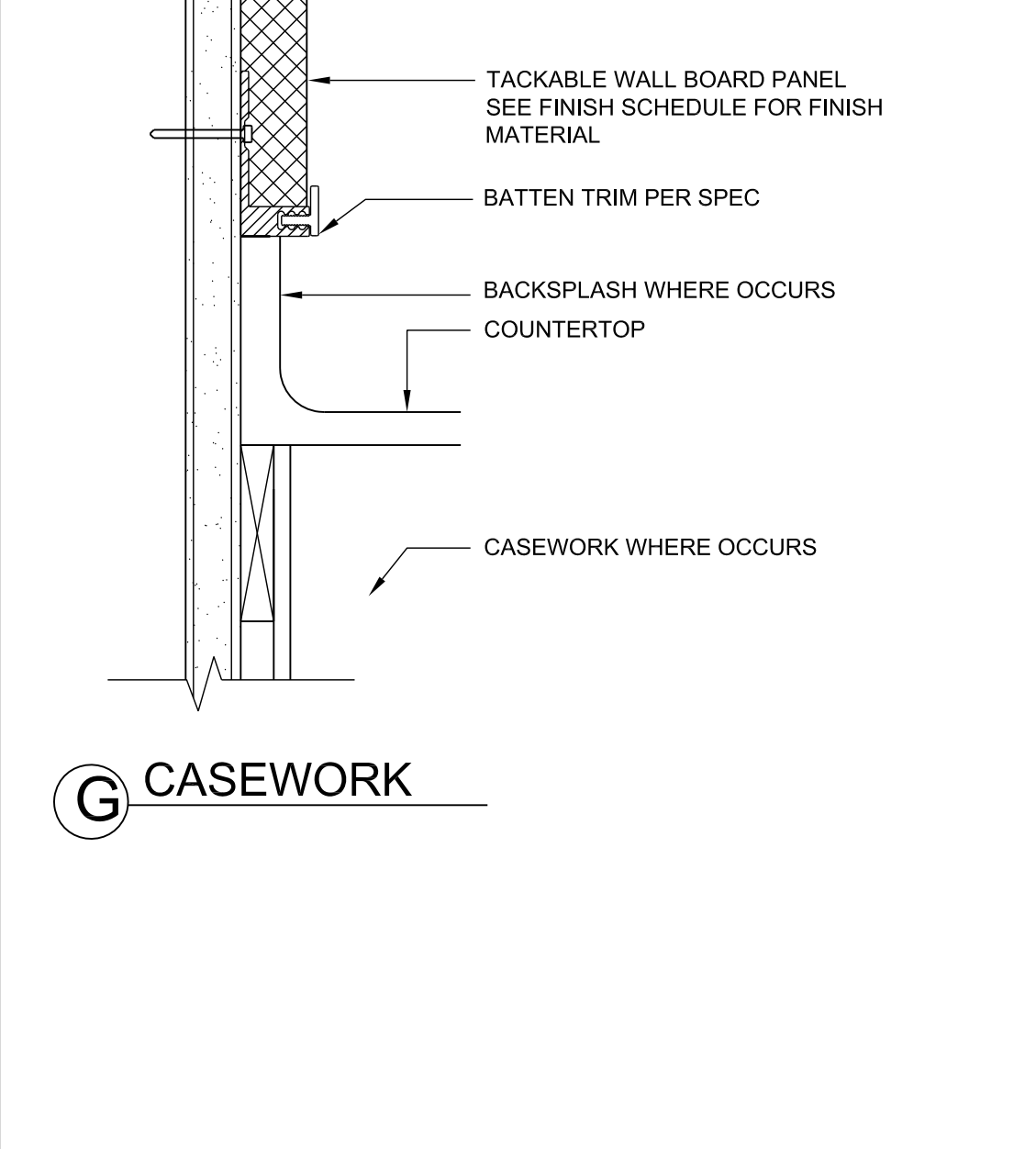
ELEVATOR DOOR JAMB 3"=1'-0" 18



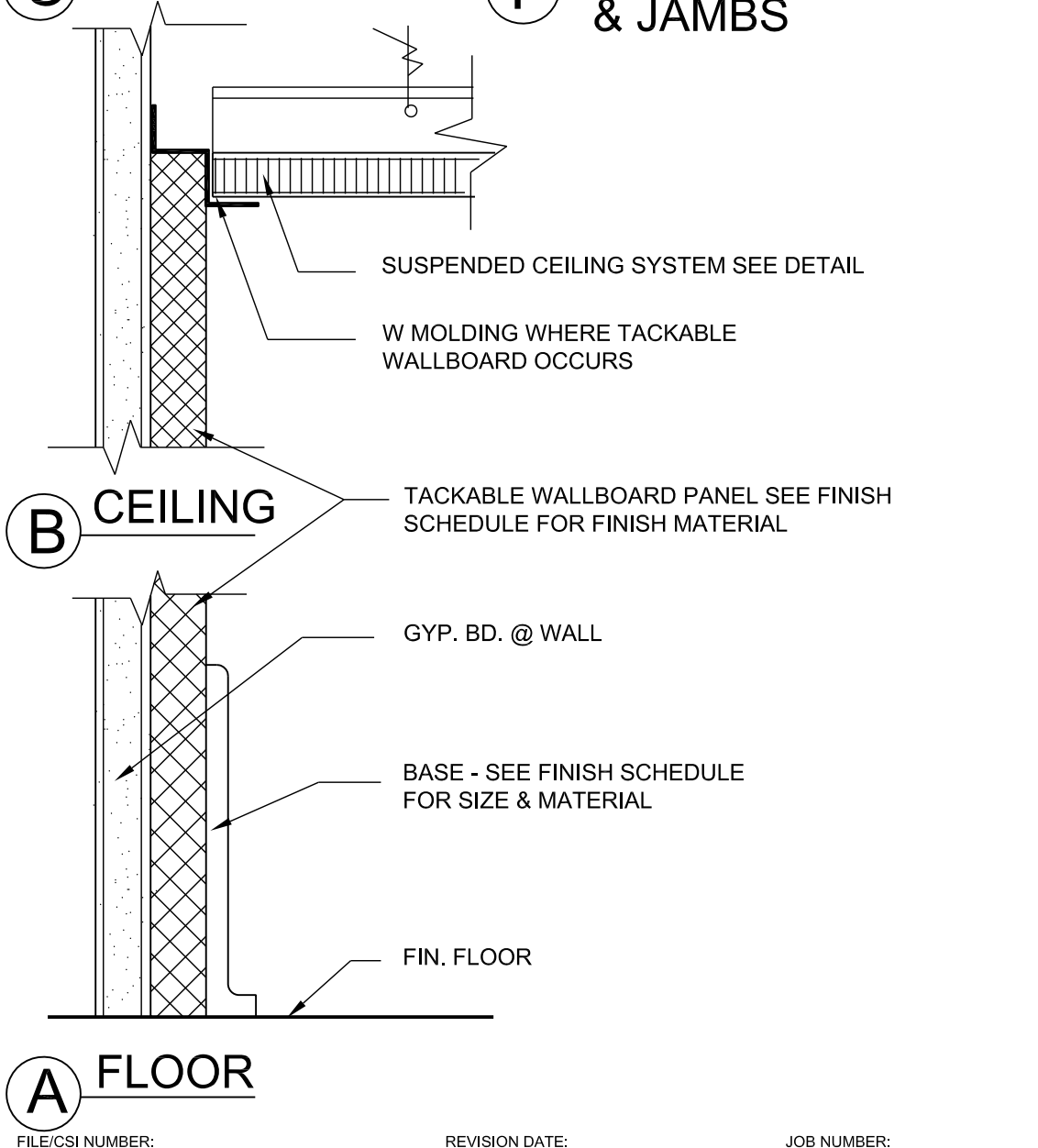
ELEVATOR PIT LADDER 3/8"=1'-0" 14



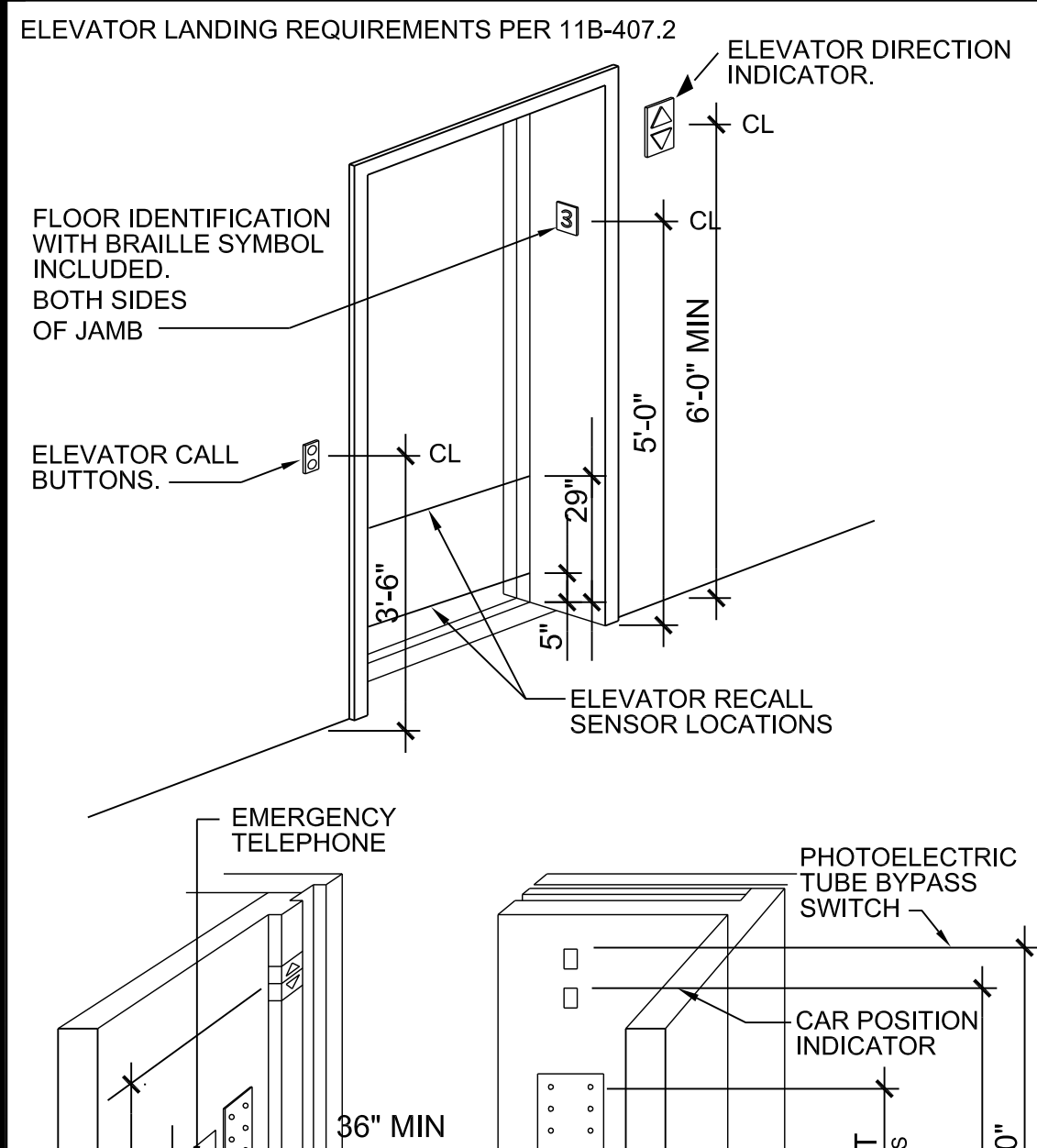
STAIR DETAIL 1 1/2"=1'-0" 10



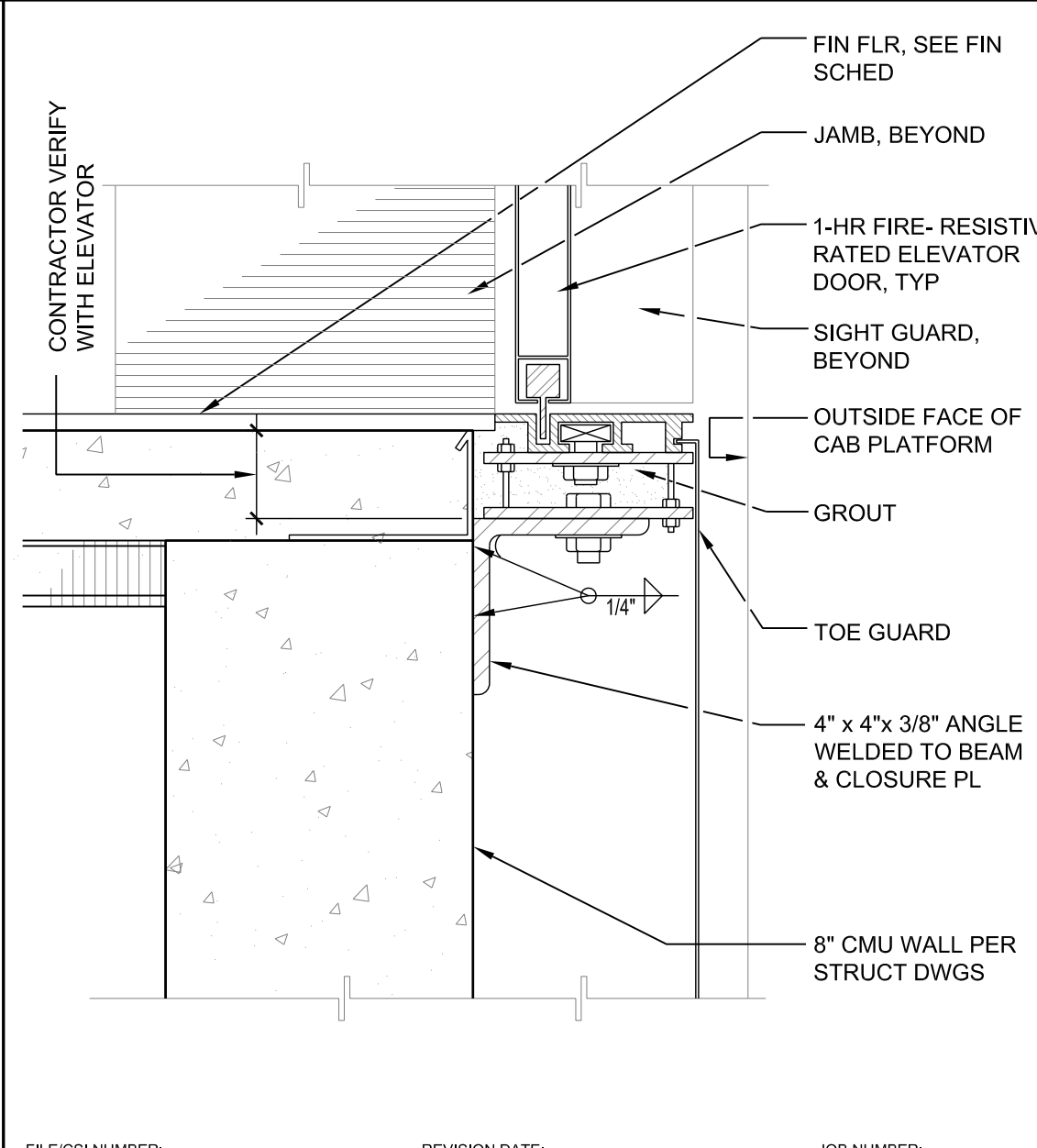
TACKABLE WALLBOARD



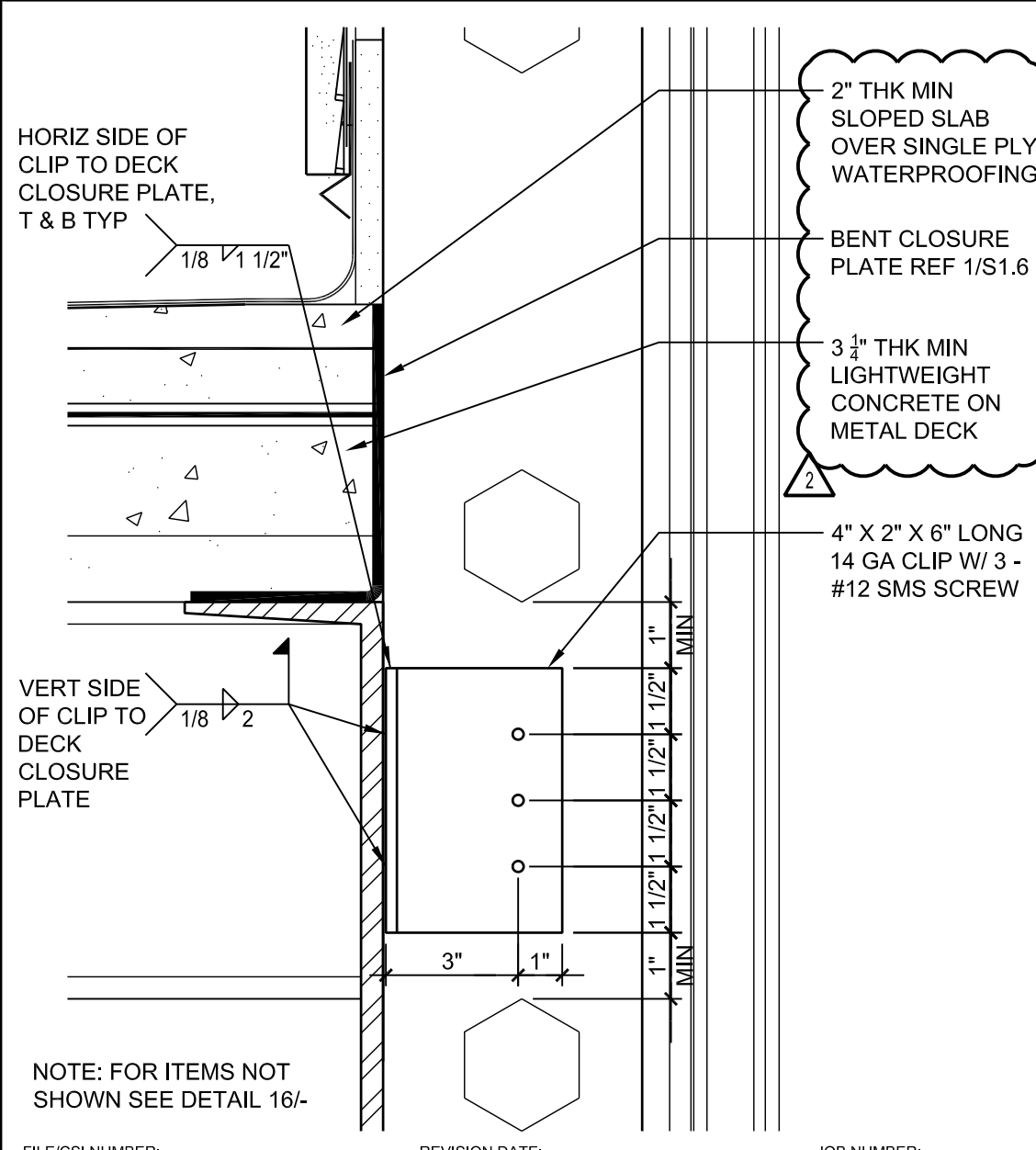
CEILING & DOOR HEAD & JAMBS



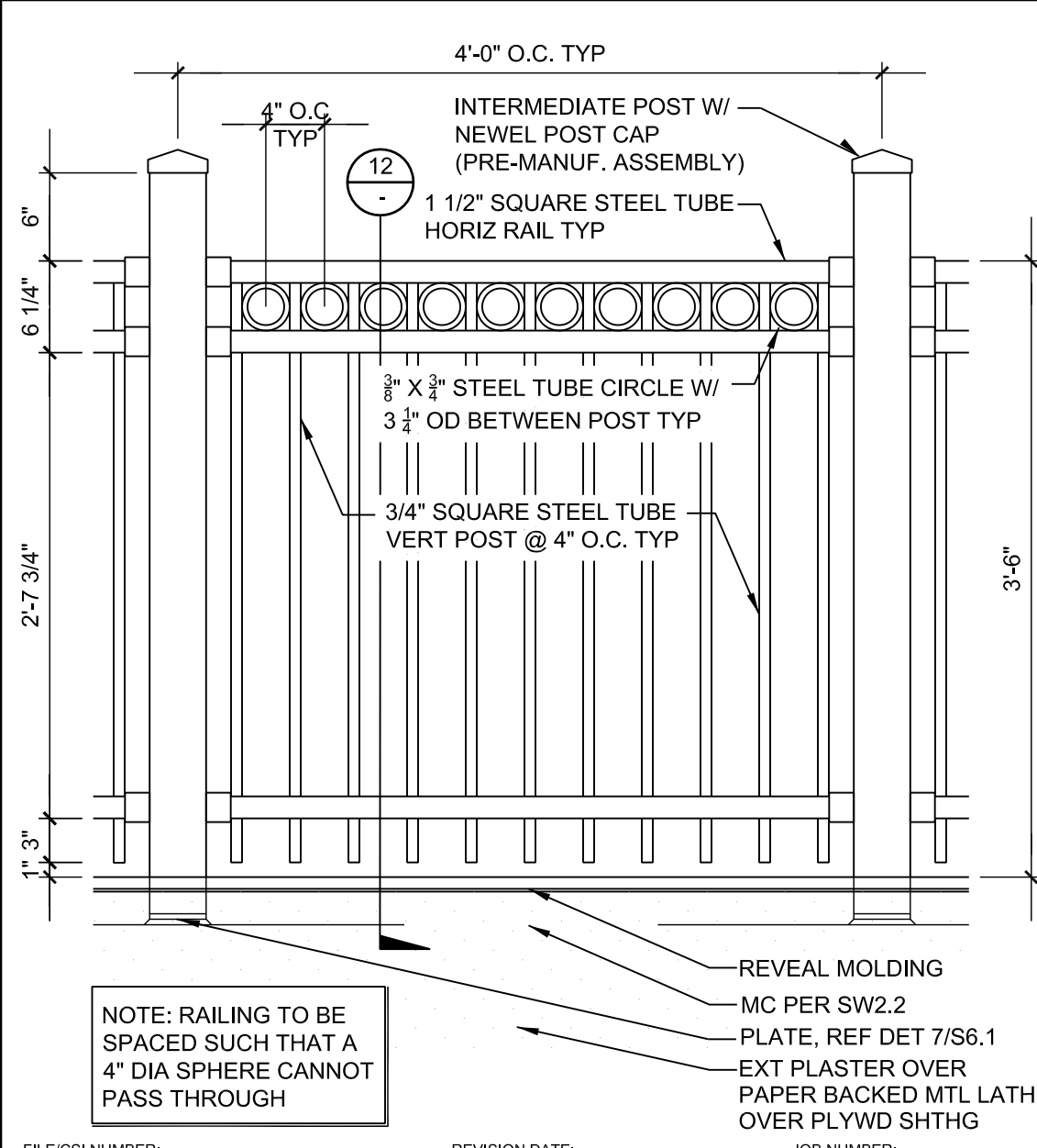
ELEVATOR LANDING REQUIREMENTS PER 11B-407.2



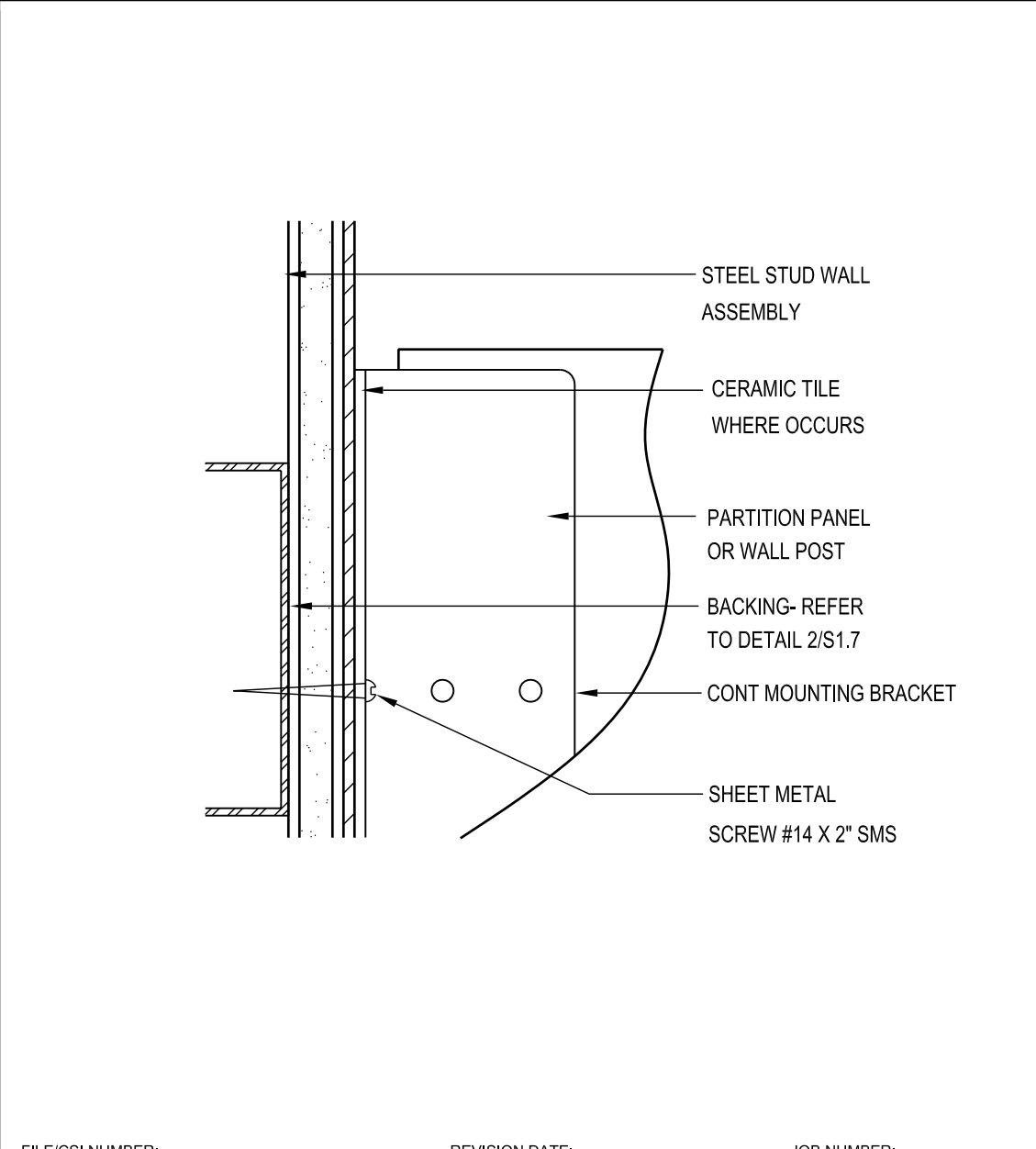
ELEVATOR DOOR SILL @ 2ND FLOOR 3"=1'-0" 19



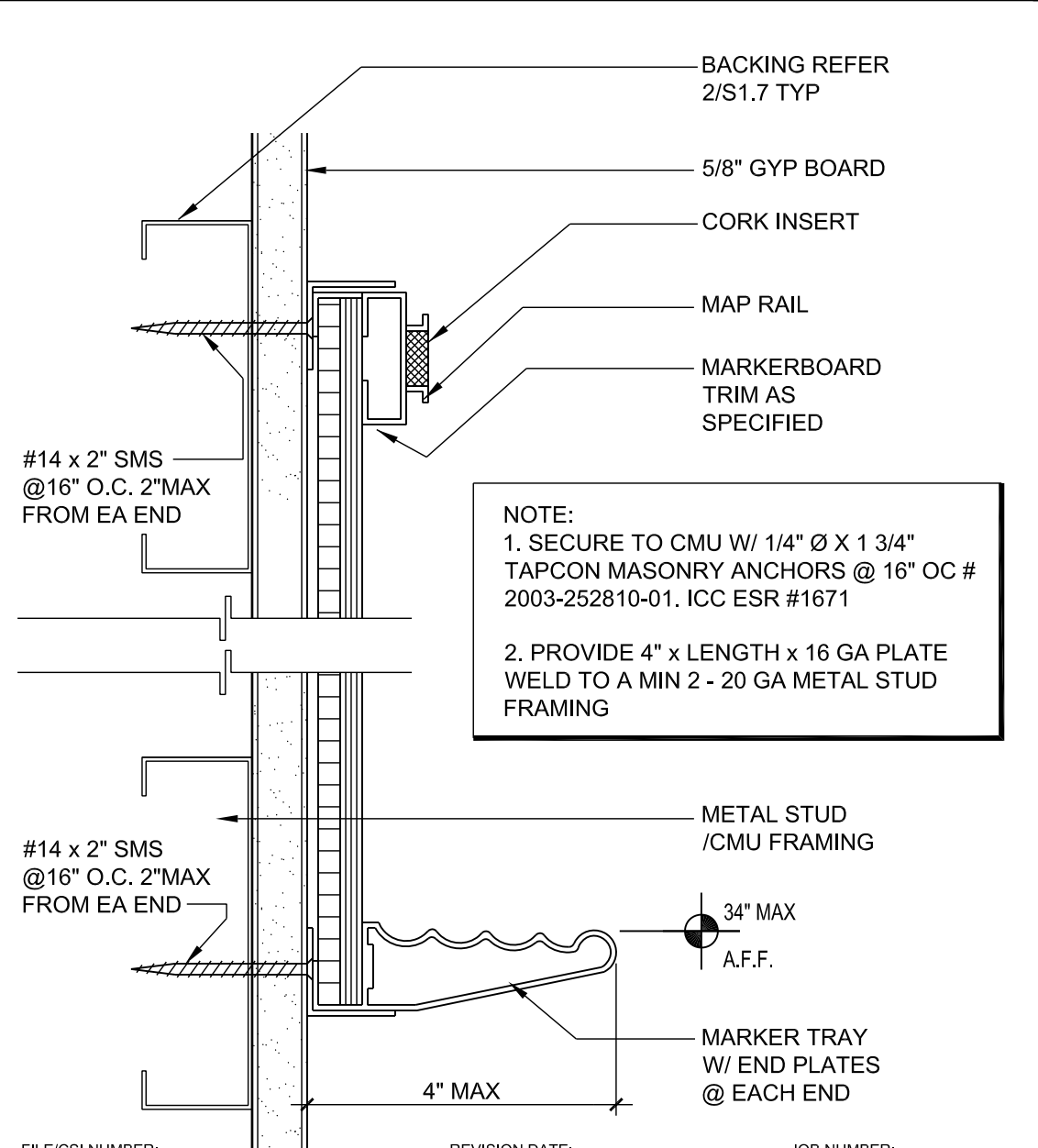
MTL STUD TO CHANNEL AT PARAPET 3"=1'-0" 15



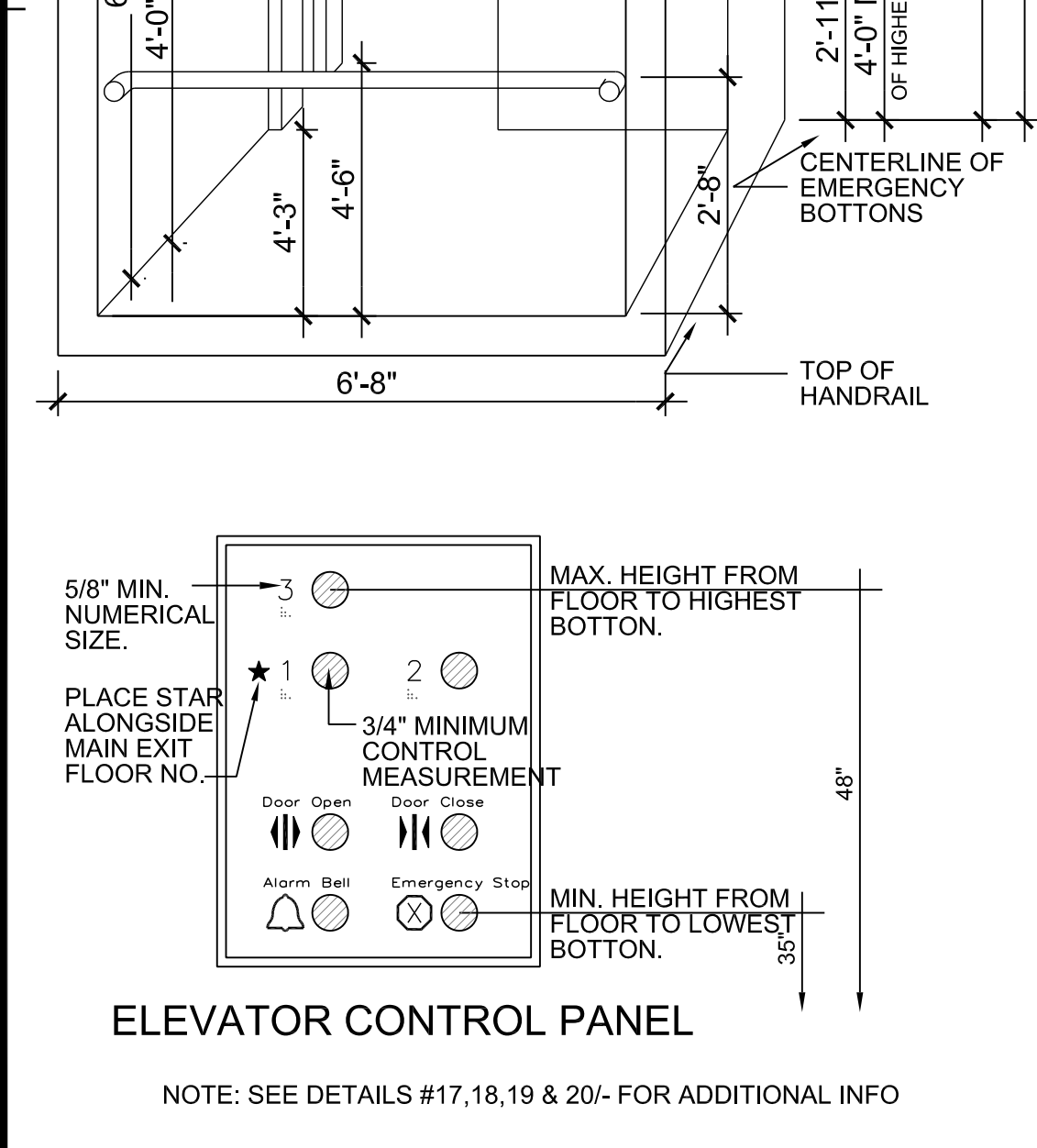
GUARDRAIL 1"=1'-0" 11



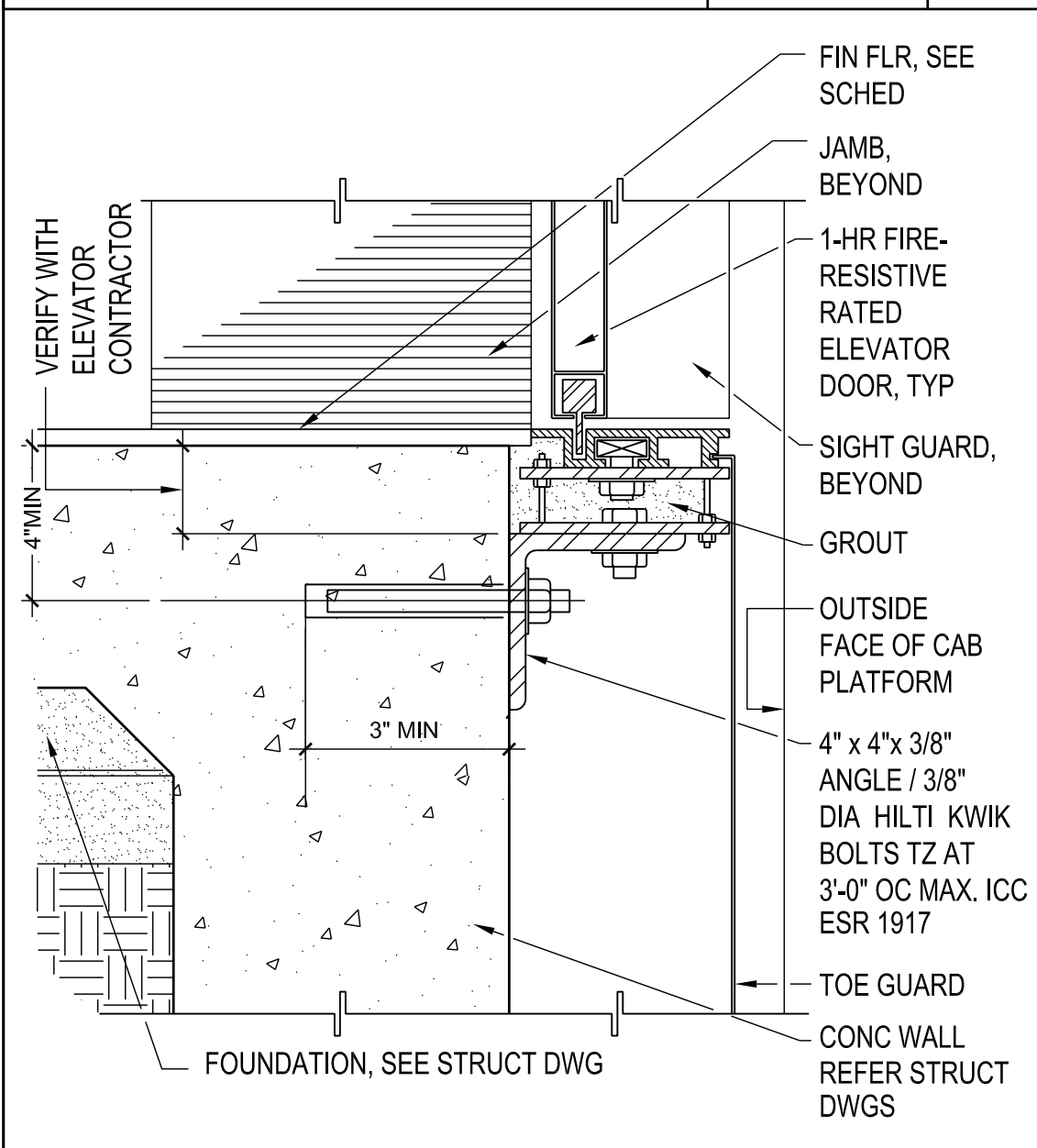
TOILET PARTITION ANCHORAGE 6"=1'-0" 7



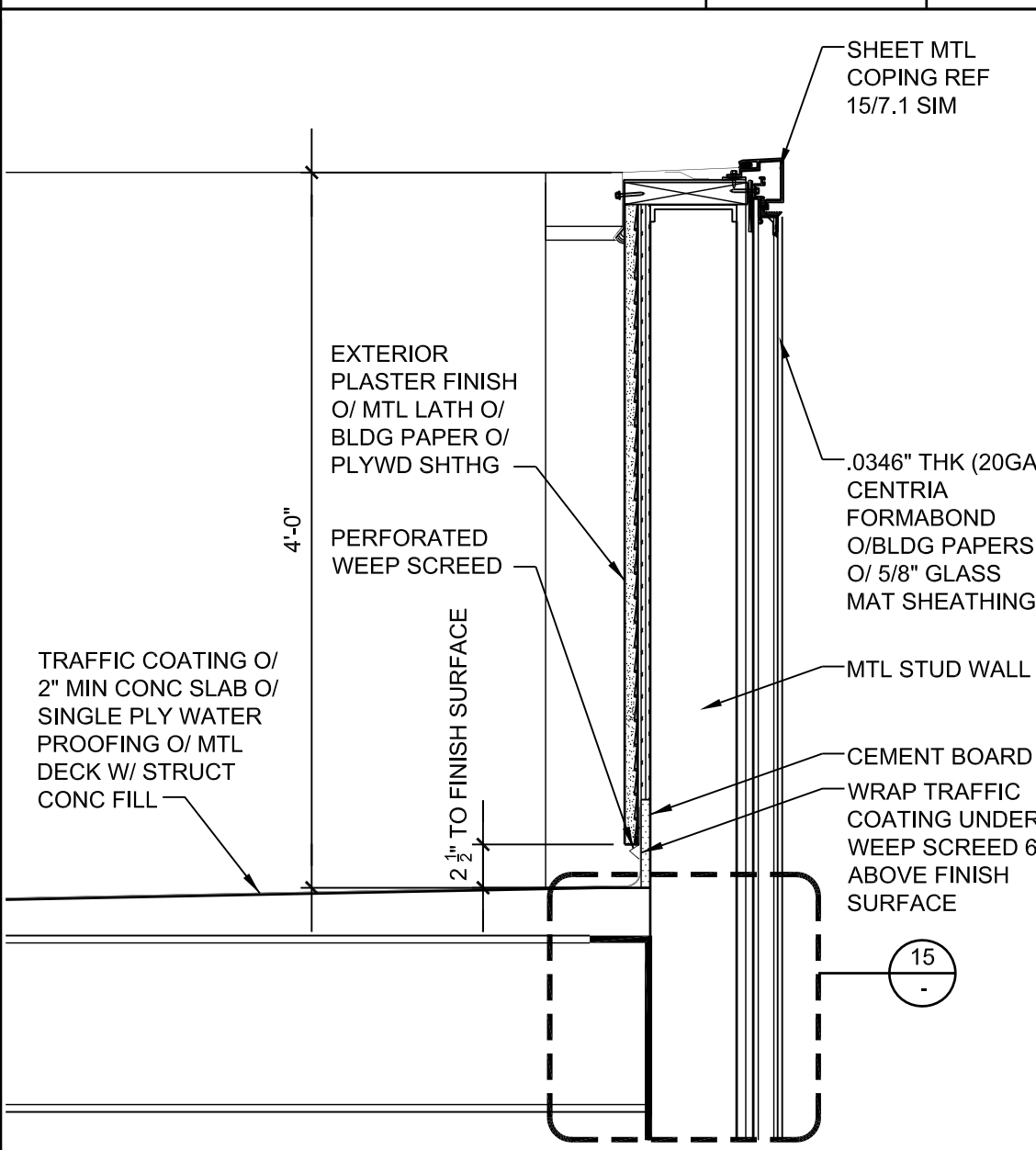
MARKERBOARD 6"=1'-0" 3



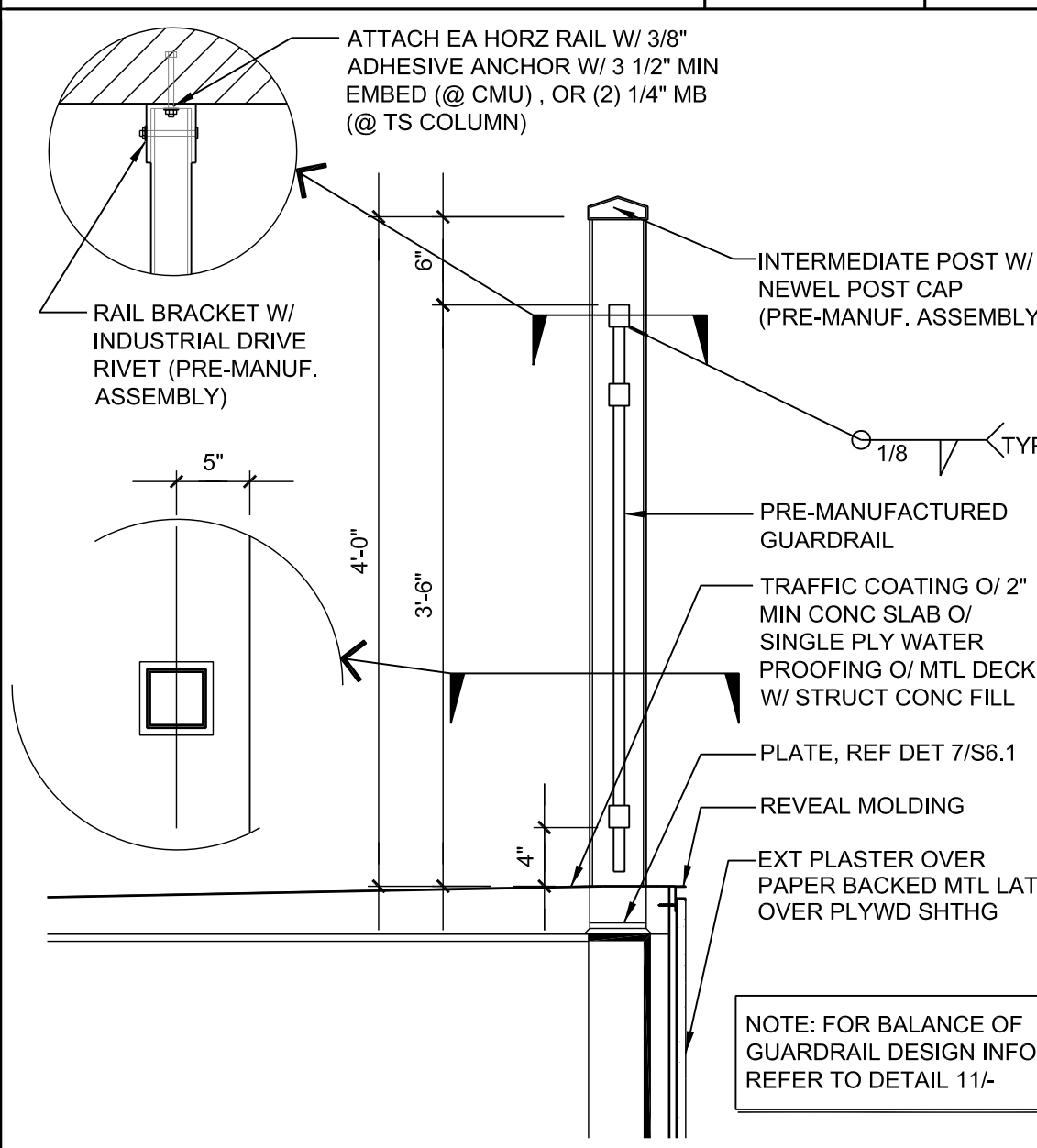
ELEVATOR CONTROL PANEL



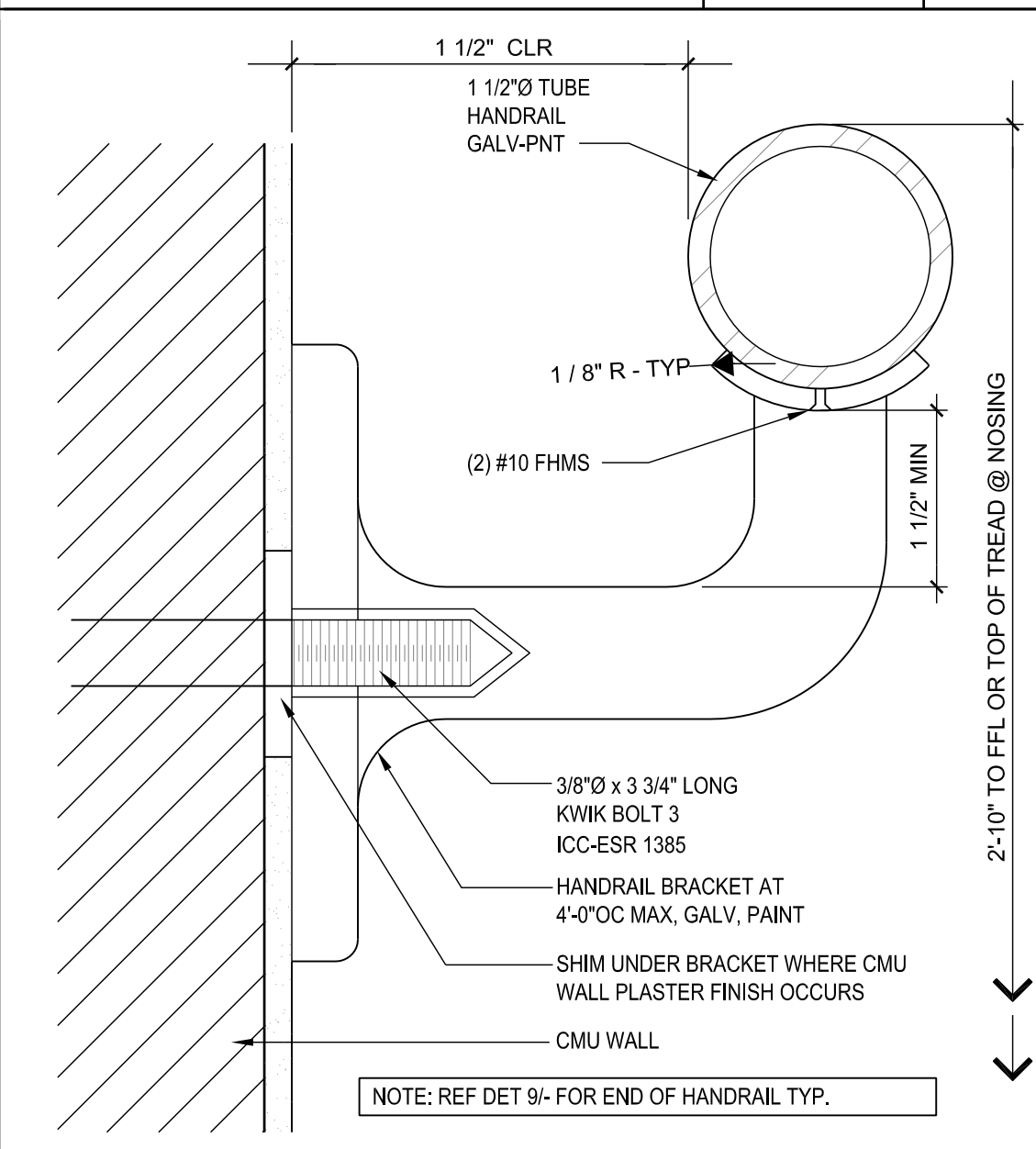
ELEVATOR DOOR SILL 3"=1'-0" 20



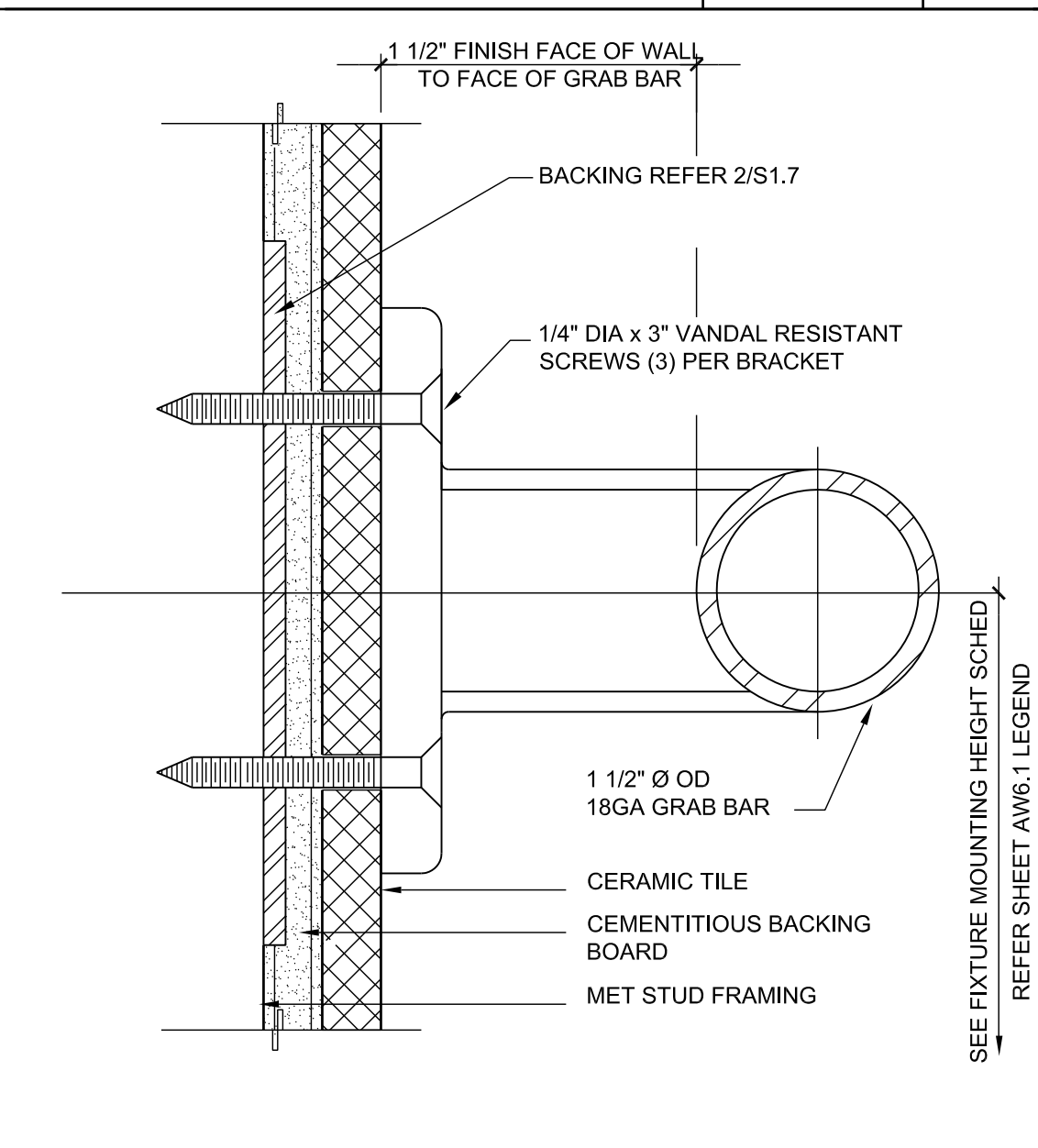
EXTERIOR LOW WALL 1"=1'-0" 16



GUARDRAIL 1"=1'-0" 12



HANDRAIL DETAIL 1'-0"=1'-0" 8



GRAB BAR @ METAL STUD 1'-0"=1'-0" 4

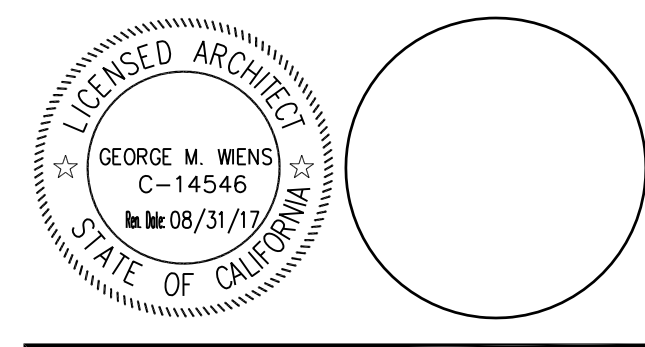
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PTN 75200-83



**CONSULTANT**

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AC \_\_\_\_\_ FL \_\_\_\_\_ SS \_\_\_\_\_  
DATE \_\_\_\_\_

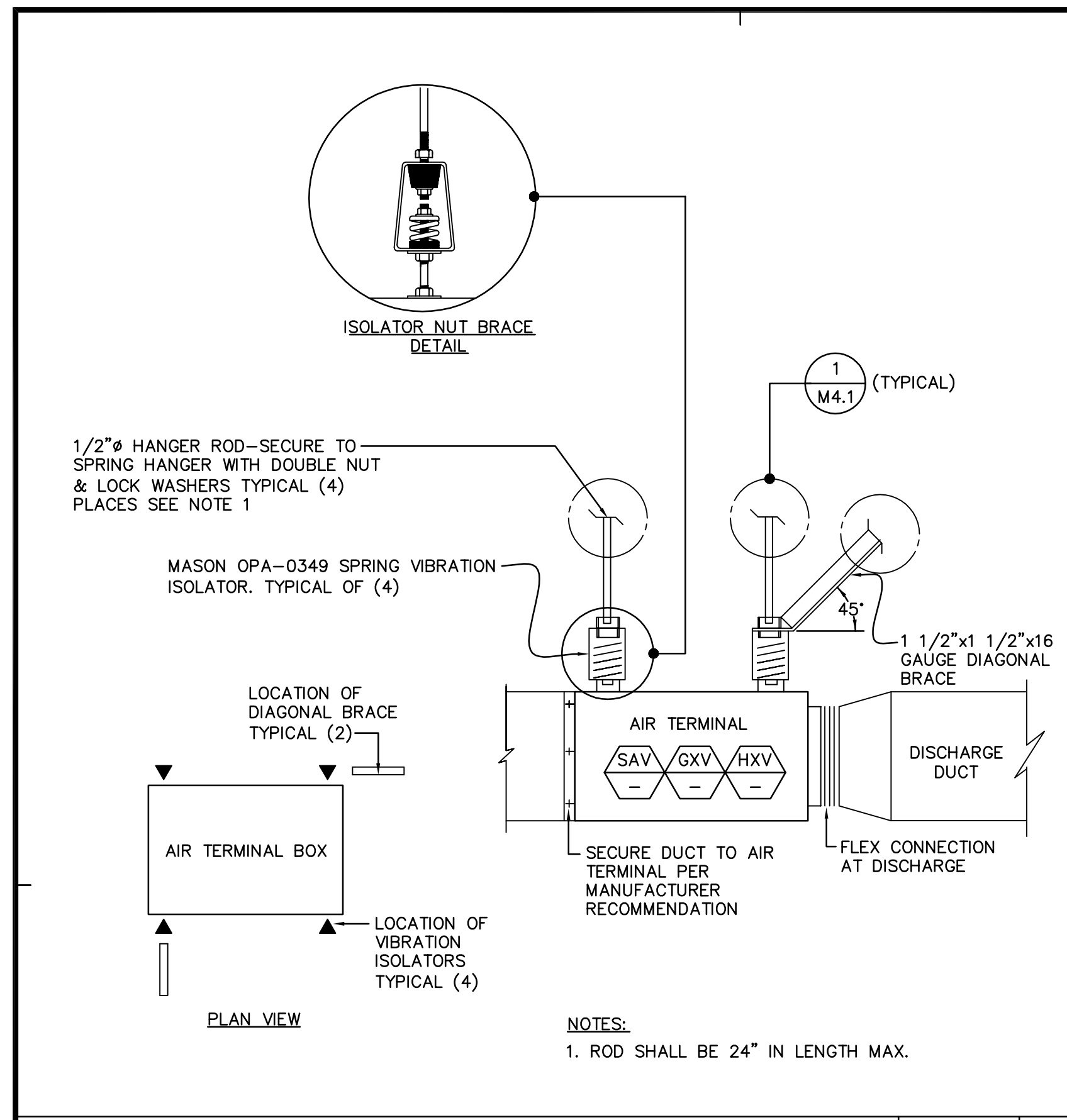
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REVISIONS			

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PROJECT NUMBER: 1615400

**DETAILS**

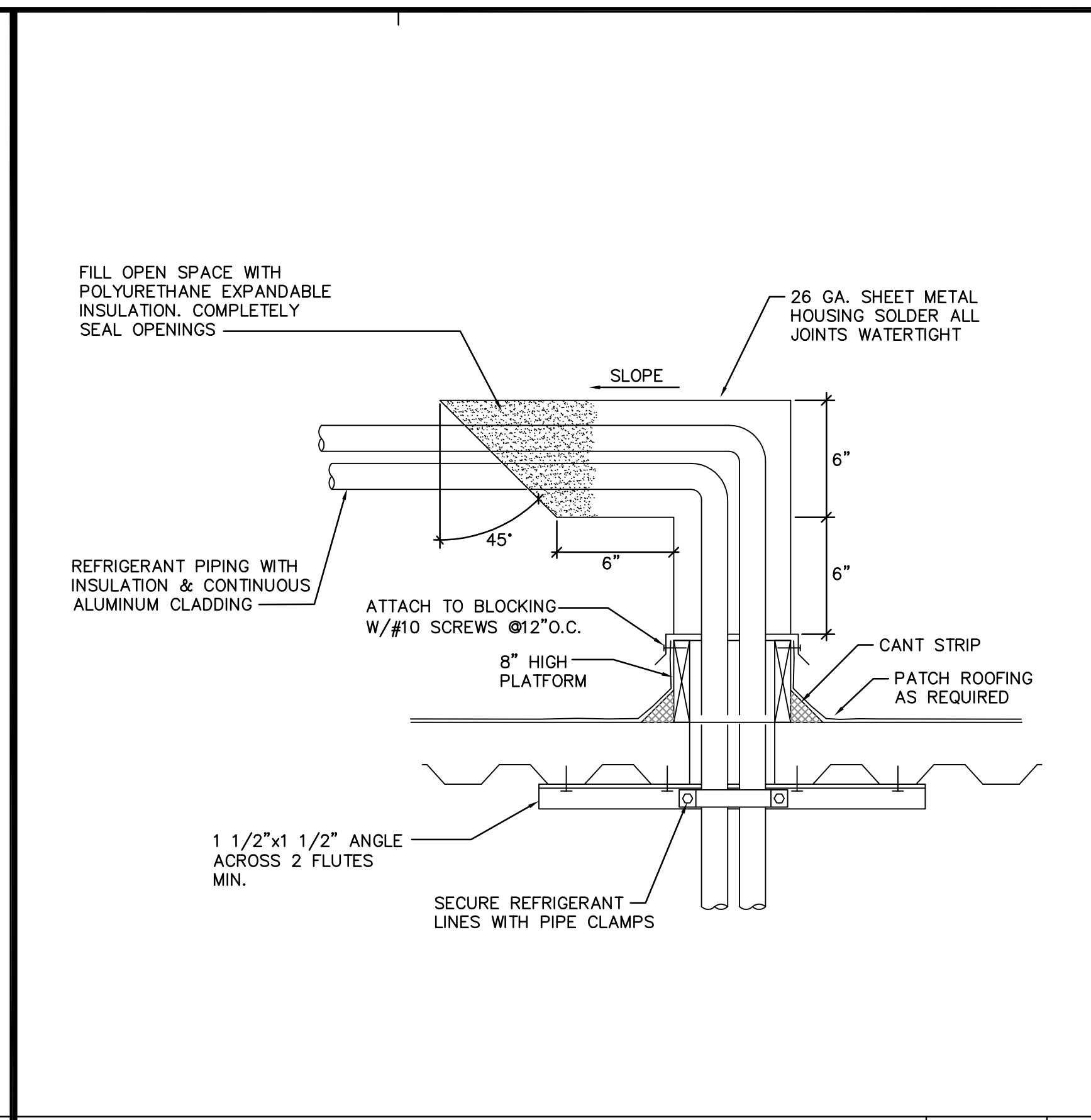
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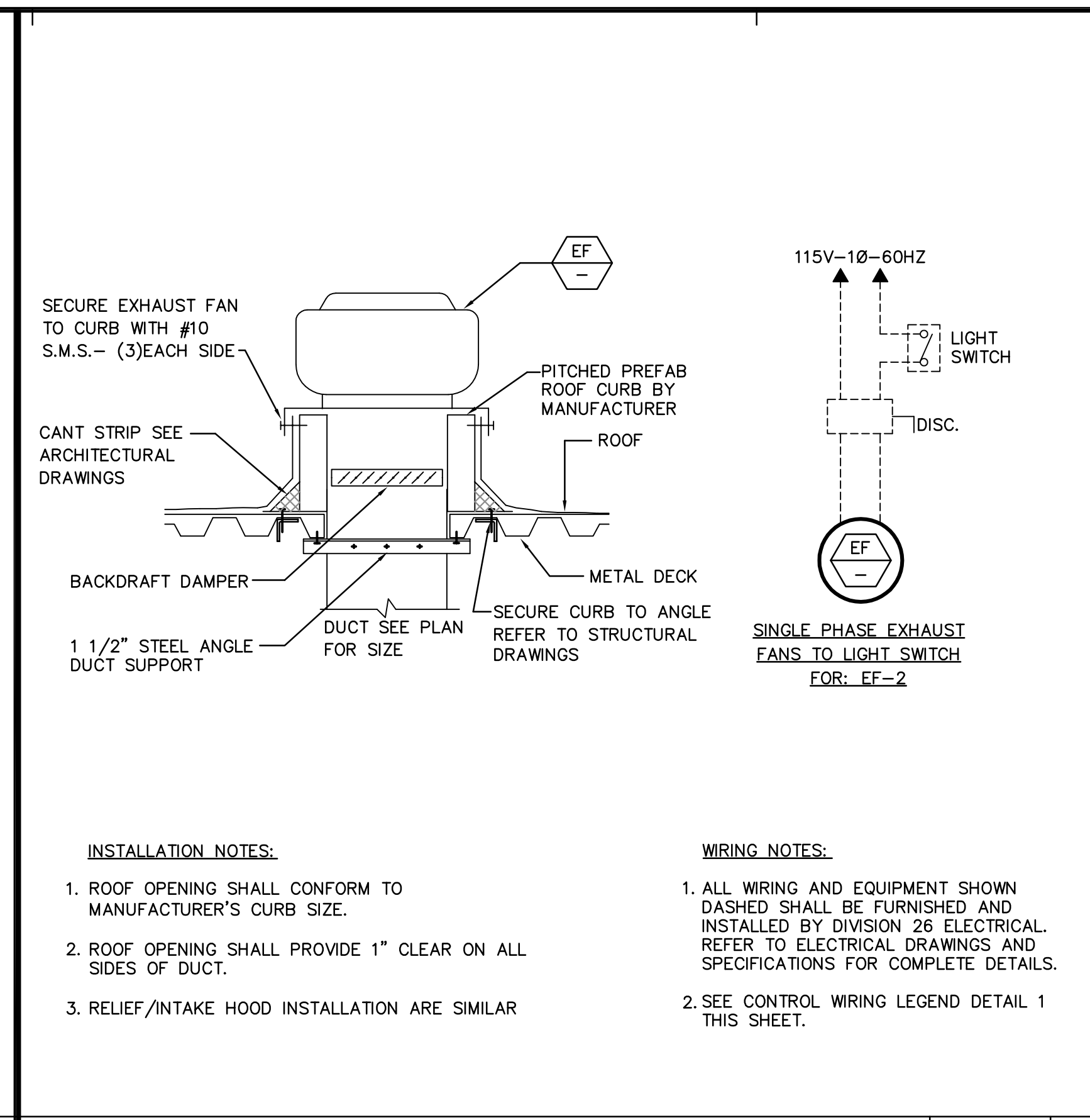
**CONTROL VALVES MOUNTING DETAIL**

NTS 10



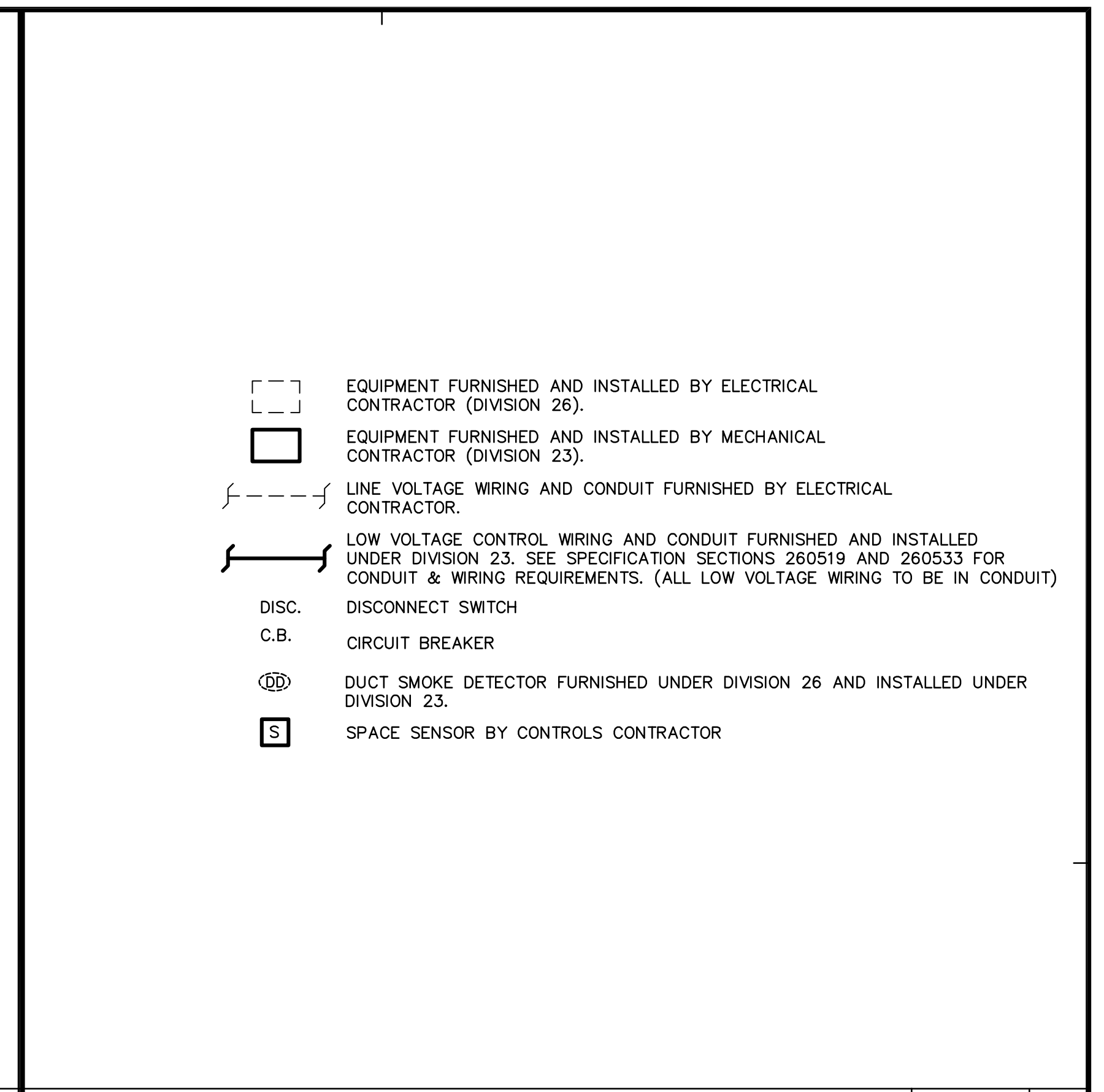
**REFRIGERANT PIPE THRU ROOF**

NTS 7



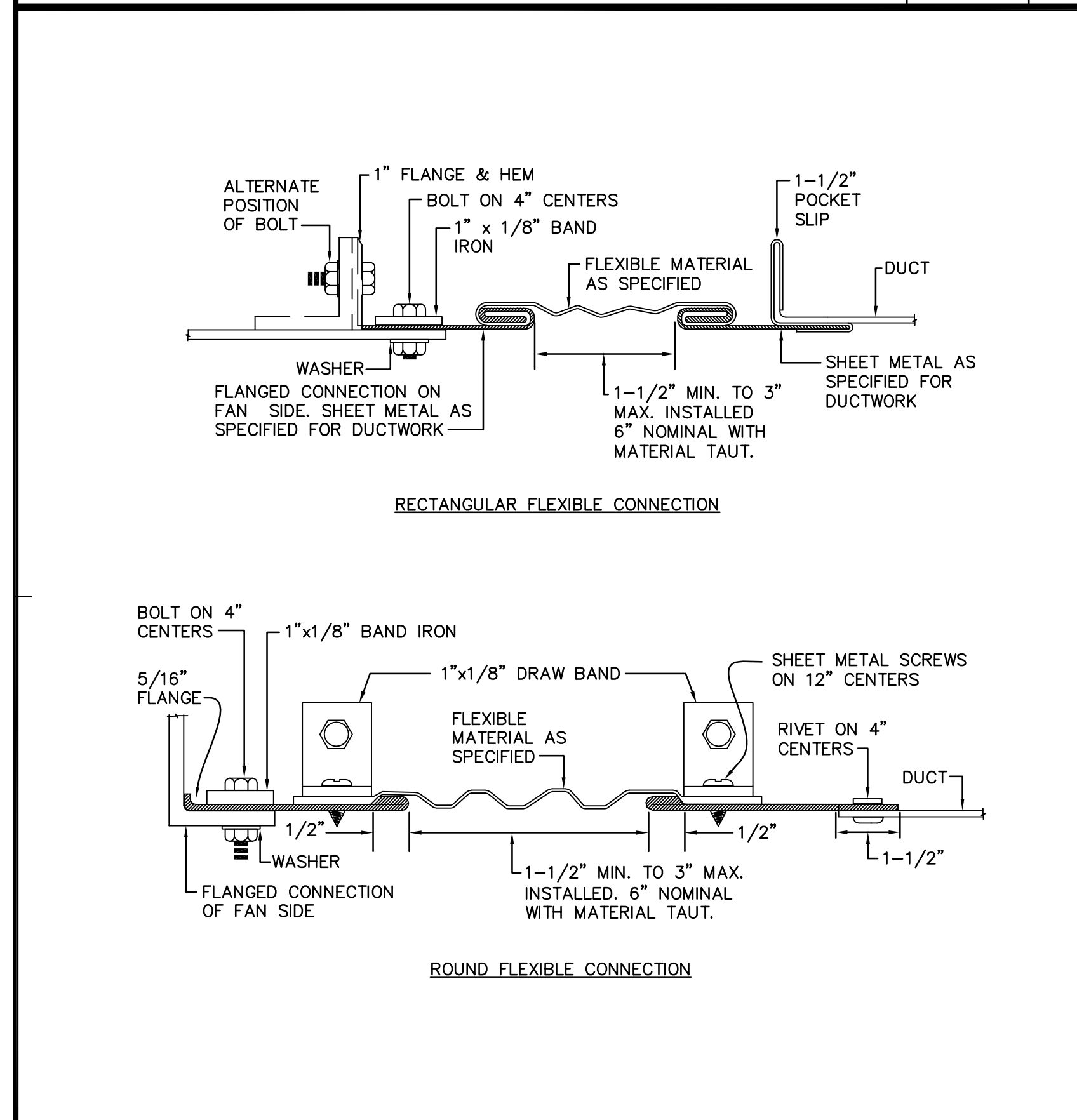
**EXHAUST FAN MOUNTING & WIRING DETAILS**

NTS 4



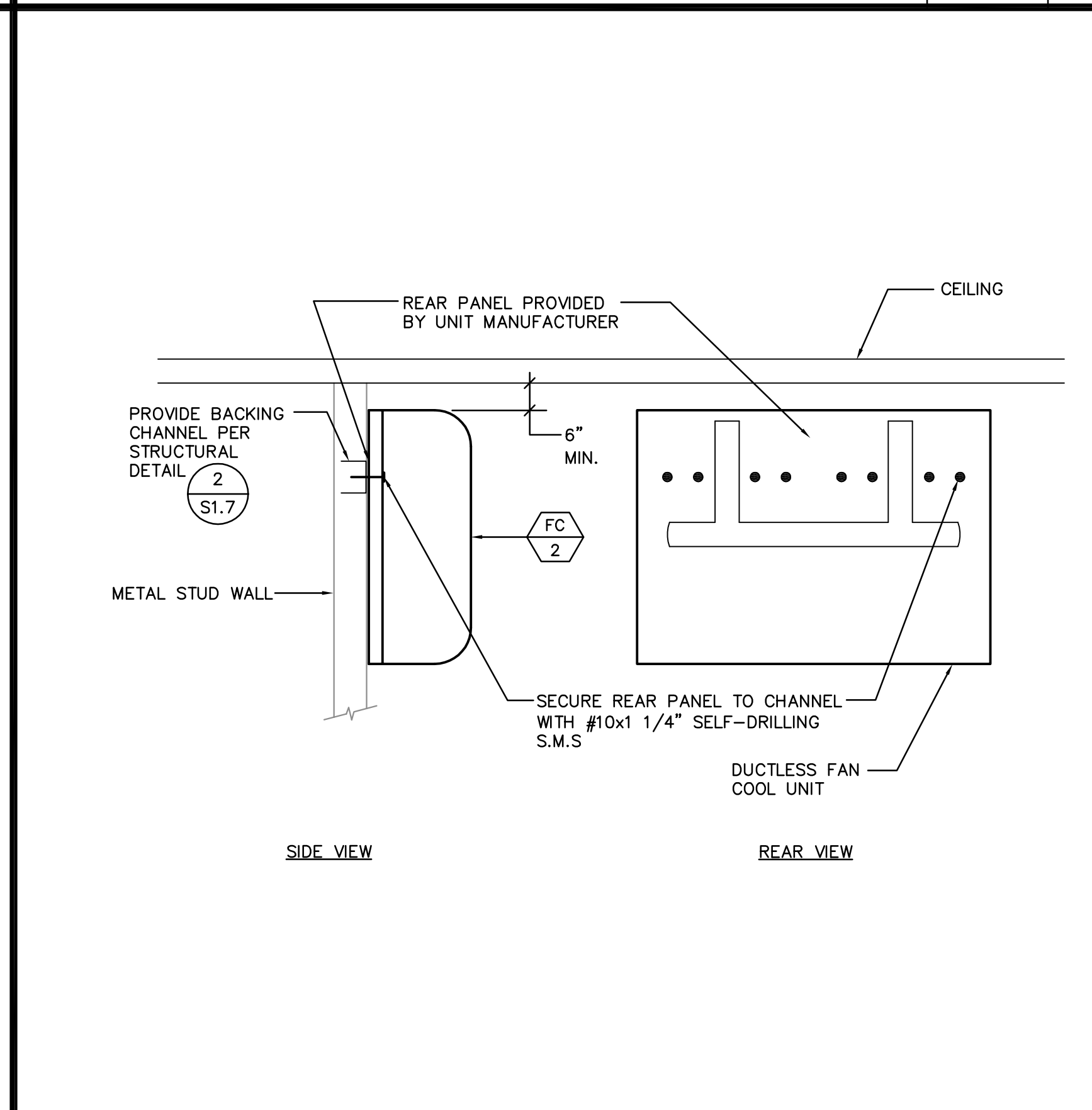
**CONTROL WIRING LEGEND**

NTS 1



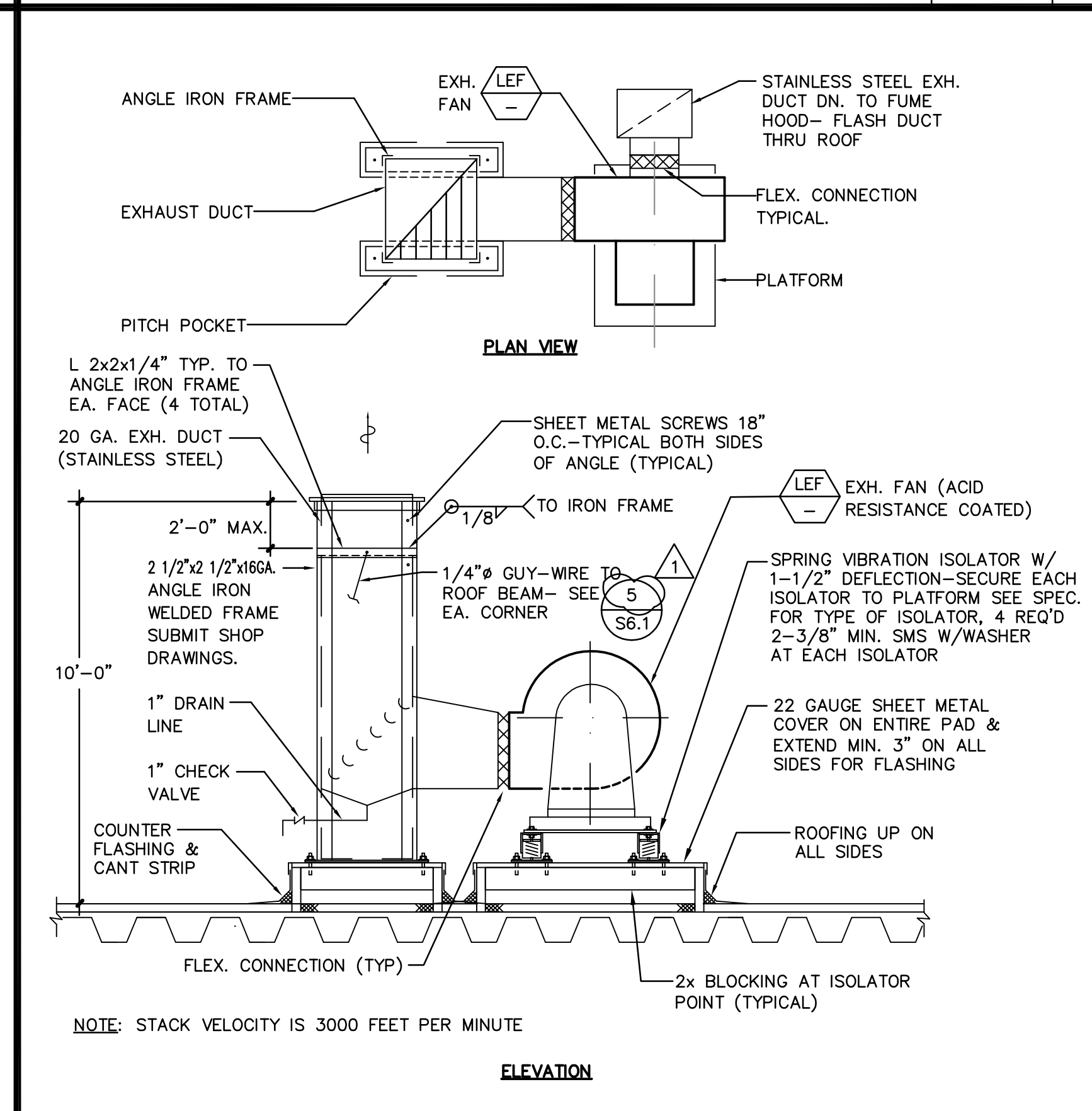
**FLEXIBLE DUCT CONNECTION DETAIL**

NTS 11



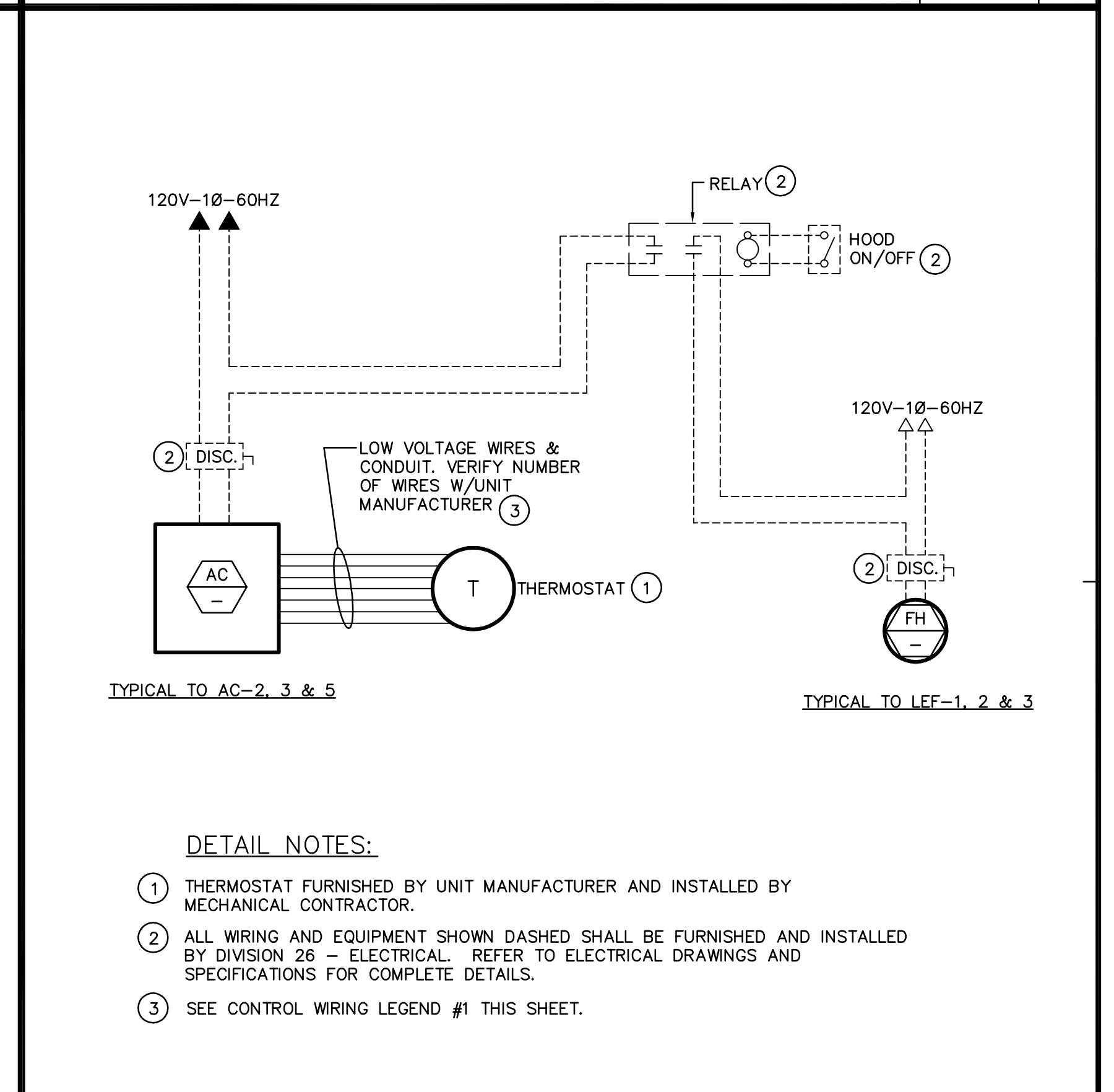
**FAN COIL MOUNTING DETAIL**

NTS 8



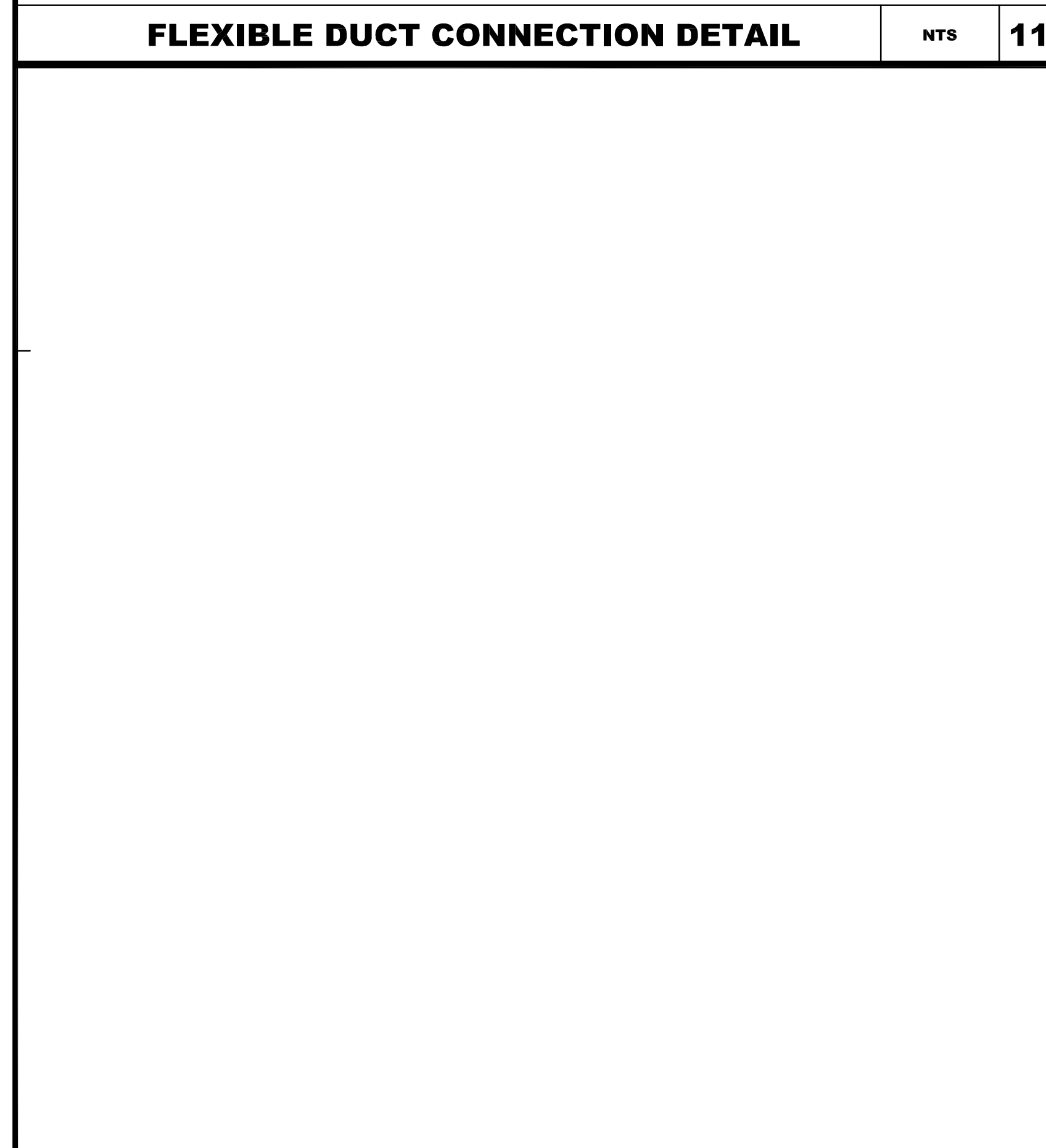
**LAB/FUMEHOOD EXHAUST FAN MOUNTING DETAIL**

NTS 5



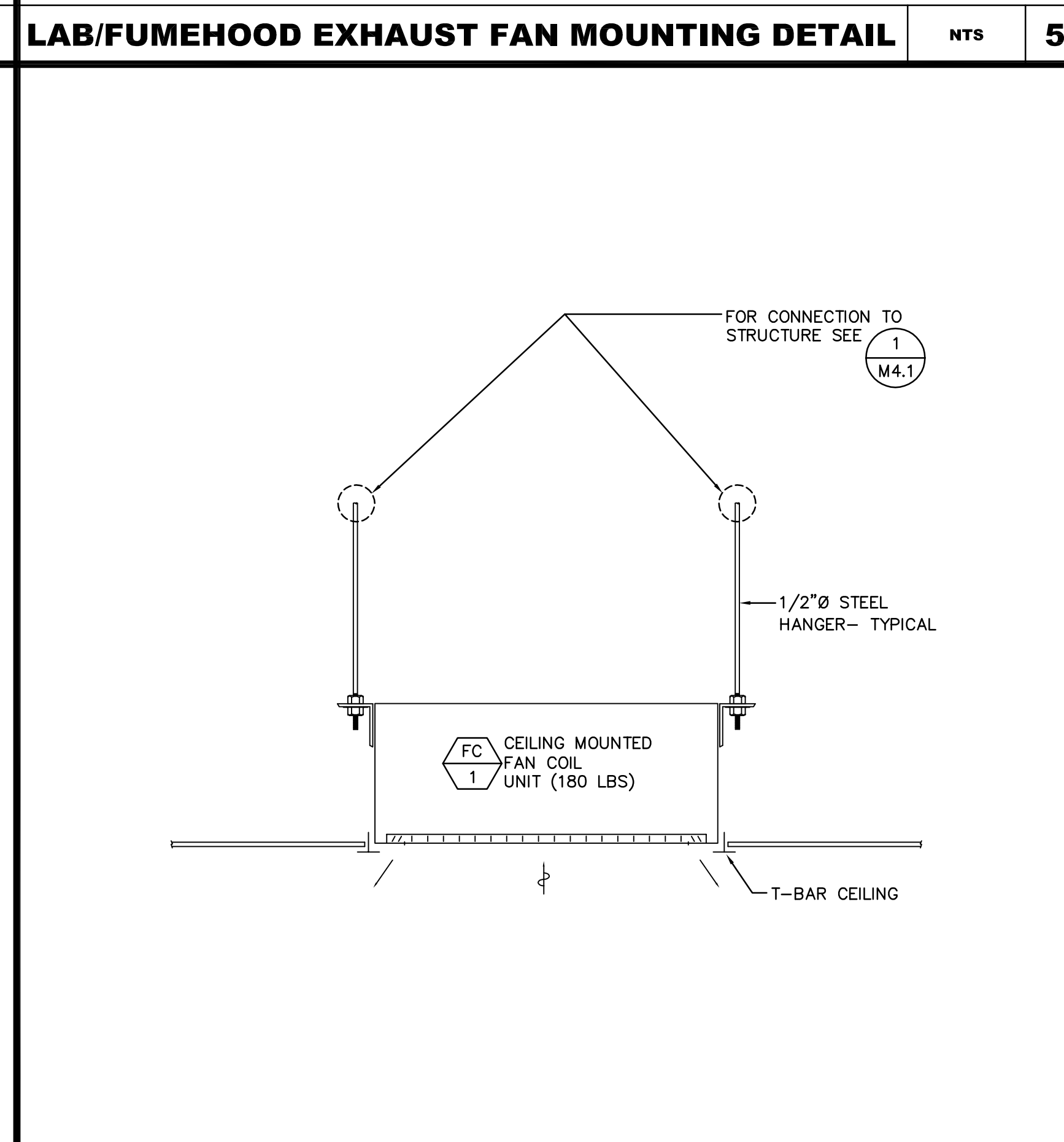
**FUME HOOD CONTROL WIRING DIAGRAM**

NTS 2



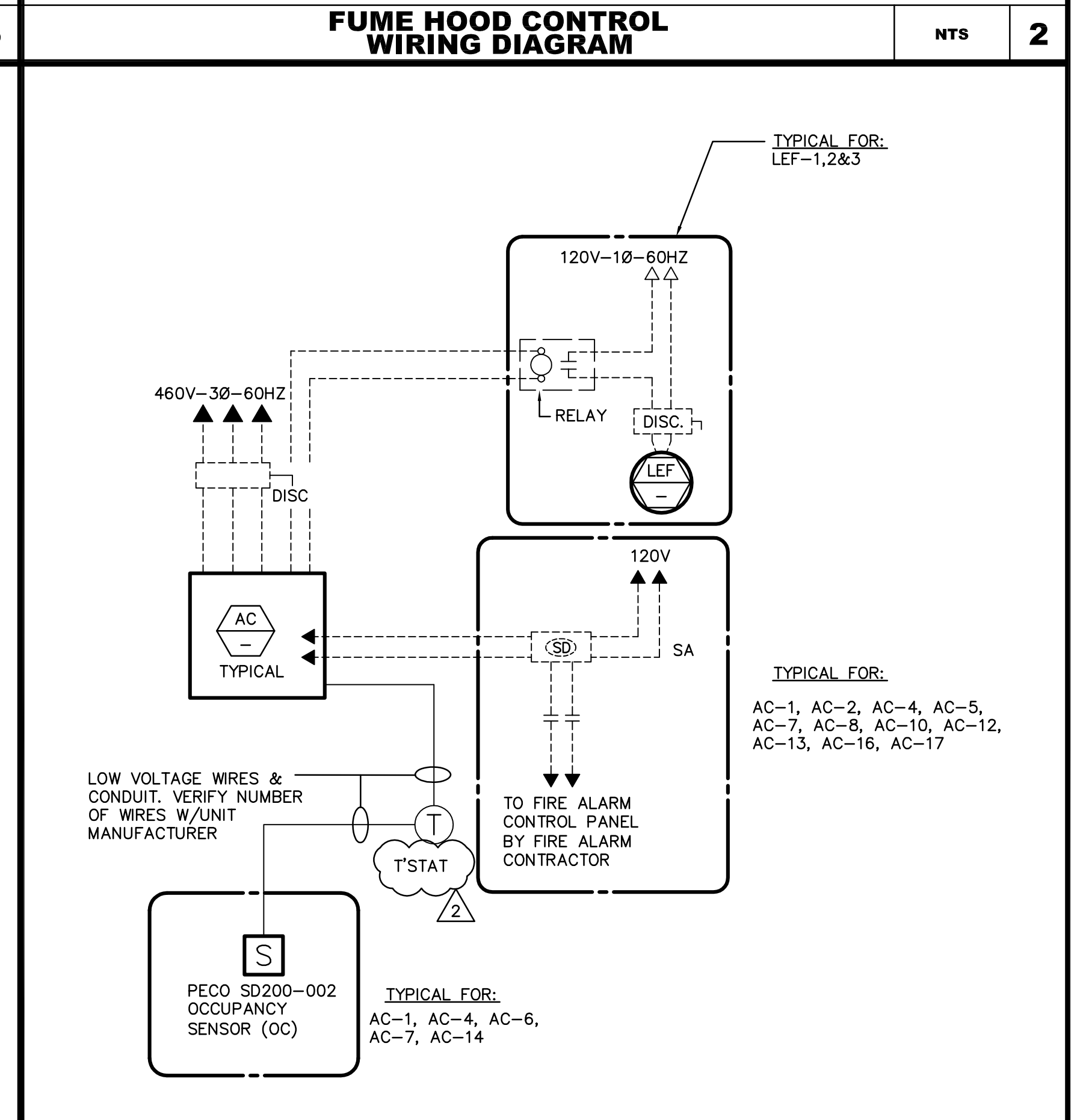
**LAB VALVE SEQUENCE OF OPERATION**

NTS 9



**FAN COIL UNIT MOUNTING DETAIL**

NTS 6



**AC UNIT CONTROL WIRING DIAGRAM**

NTS 3

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C-14546  
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Exp. 9/30/18  
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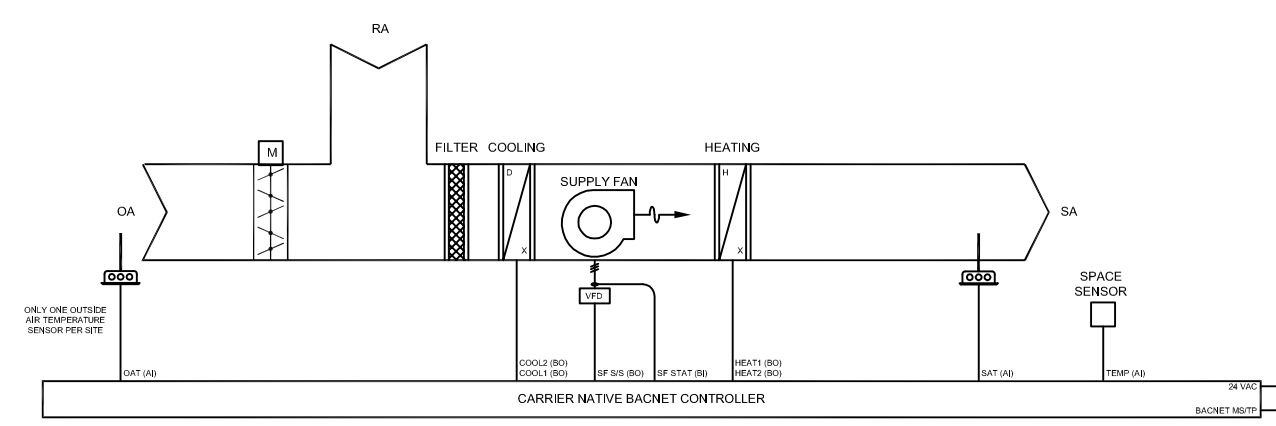
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NO	DATE	BY	DESCRIPTION
06/01/17	JM		ADDENDUM 2
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DATE: 04/25/2017 SCALE:  
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DETAILS  
DRAWING NUMBER: **M4-2**



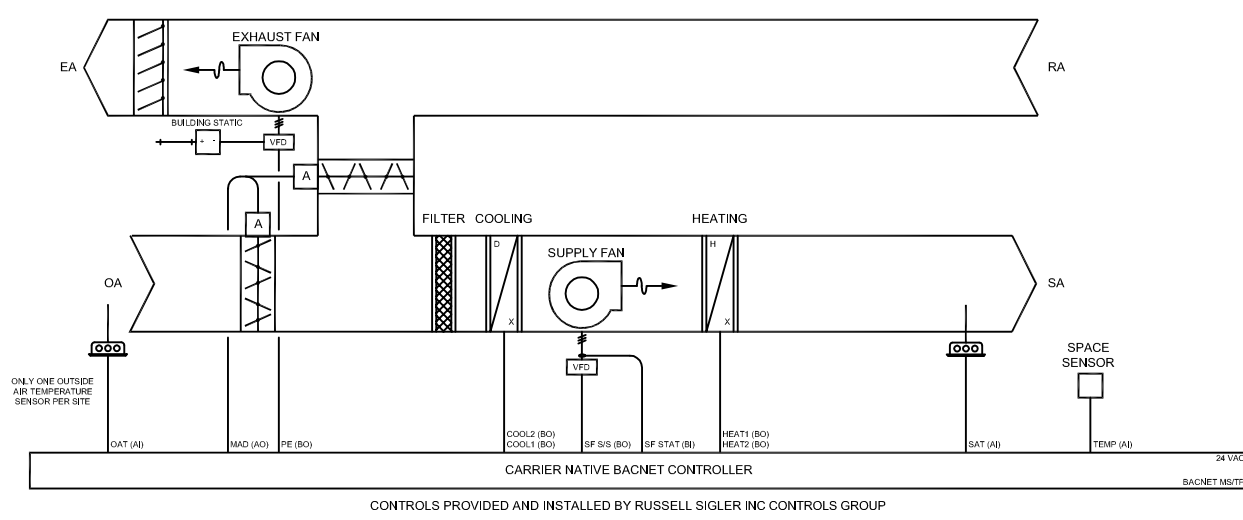
STAGED AIR VOLUME ROOFTOP UNIT DETAIL (AC-6, AC-11, AC-14, AC-15)

**SEQUENCE OF OPERATION**

**INDOOR FAN**  
DURING OCCUPIED PERIODS, THE FAN SHALL OPERATE CONTINUOUSLY. DURING UNOCCUPIED PERIODS, THE FAN SHALL OPERATE WHEN THE SPACE TEMPERATURE EXCEEDS THE UNOCCUPIED HEATING OR COOLING SETPOINTS. THE FAN OPERATES AT 1 OF 2 SPEEDS DEPENDING ON THE MODE OF OPERATION AND LOAD CONDITIONS. DURING VENT ONLY MODE AND LOW LOAD CONDITIONS, THE FAN OPERATES AT LOW SPEED. IF LOAD CONDITIONS INCREASE OR IF THERE IS A CALL FOR HEATING, THE FAN OPERATES AT HIGH SPEED.

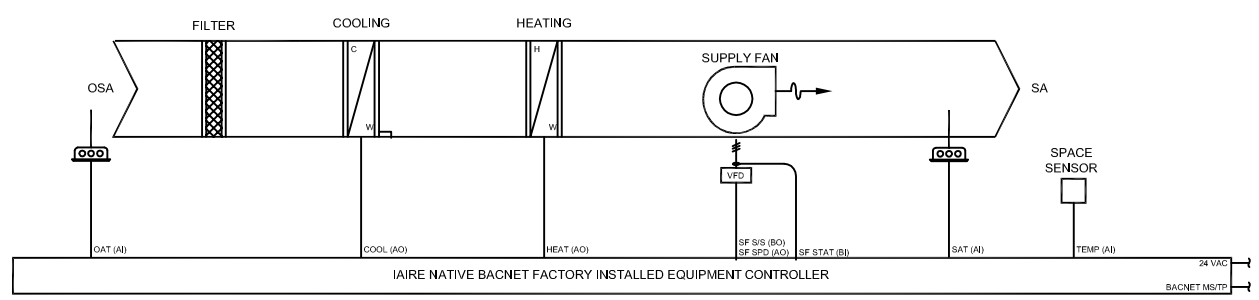
**HEATING MODE**  
WHEN SPACE TEMPERATURE IS BELOW THE OCCUPIED HEATING SETPOINT, UNIT SHALL OPERATE IN THE HEATING MODE. UNIT SHALL STAGE AVAILABLE HEAT STAGES TO SATISFY DEMAND IN THE OCCUPIED SPACE.

**COOLING MODE**  
WHEN SPACE TEMPERATURE IS ABOVE OCCUPIED COOLING SETPOINT, UNIT SHALL OPERATE IN THE COOLING MODE. UNIT SHALL ENABLE AVAILABLE COOLING STAGES TO SATISFY DEMAND IN THE OCCUPIED SPACE.



STAGED AIR VOLUME ROOFTOP UNIT DETAIL (AC-4, AC-7, AC-8, AC-13, AC-16)

FUNCTION	INPUTS			OUTPUTS			OBJECT IDENTIFIER
	ANALOG	BINARY	MSV	ANALOG	BINARY	MSV	
FAN STATUS BV			X				0
FAN STATUS AV	X						1
UNIT CONTROL			X				4
DISCHARGE AIR TEMP	X						10
ROOM TEMP SETPOINT	X						16
BAS DAT SETPOINT							17
BAS ROOM SETPOINT				X			22
BAS SWITCH	X			X	X		23
BAS LAT SETPOINT				X			26
DAT SETPOINT	X						27
ROOM SETPOINT	X						

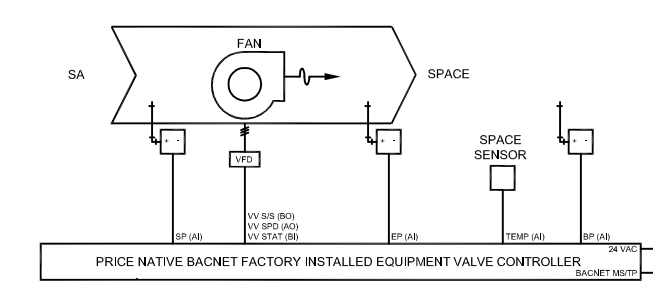


**SEQUENCE OF OPERATION**

**UNIT CONTROL**  
IARE UNITS SHALL BE CONTROLLED BY THE FACTORY INSTALLED NATIVE BAGNET EQUIPMENT CONTROLLER. THE CARRIER I-VU WEB SERVER SHALL HAVE THE ABILITY TO ENABLE/DISABLE AND SET SETPOINTS AND SCHEDULES. THIRD PARTY INTEGRATION TO THE I-VU WEB SERVER OF BAGNET POINTS SHALL INCLUDE, AT A MINIMUM, THE FOLLOWING DDC POINTS LIST.

THIRD PARTY INTEGRATION POINTS LIST (AC-2, AC-3, AC-5)

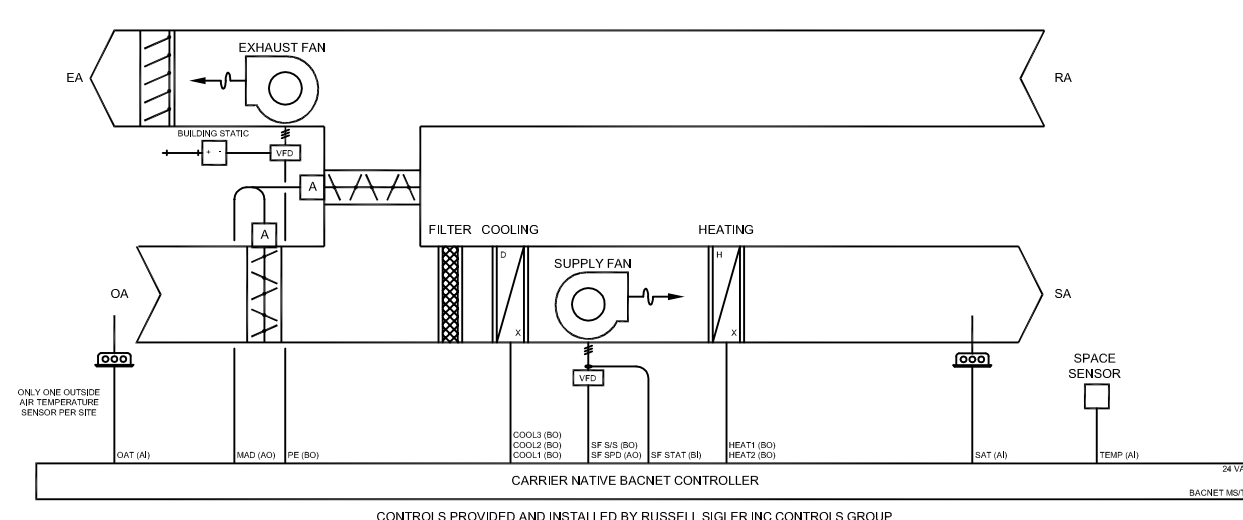
FUNCTION	INPUTS			OUTPUTS			OBJECT IDENTIFIER
	ANALOG	BINARY	MSV	ANALOG	BINARY	MSV	
ROOM TEMPERATURE SETPOINT				X			AV14
UNOCCUPIED HEAT SETPOINT				X			AV21
UNOCCUPIED COOL SETPOINT				X			AV22
PRIMARY ROOM PRESSURE	X						AH1
SUPPLY AIRFLOW	X						AH3
EXH AIRFLOW	X						AH4
SUPPLY PRESSURE	X						AI7
EXHAUST PRESSURE	X						AB8
ROOM TEMPERATURE	X						AH5
STATUS			X				MV1
ALARM STATUS			X				MV4
OCCUPANCY STATUS			X				MV8
OCCUPANCY OVERRIDE			X				MV9
FUME HOOD 1 STATUS			X				MV101
FUME HOOD 2 STATUS			X				MV201



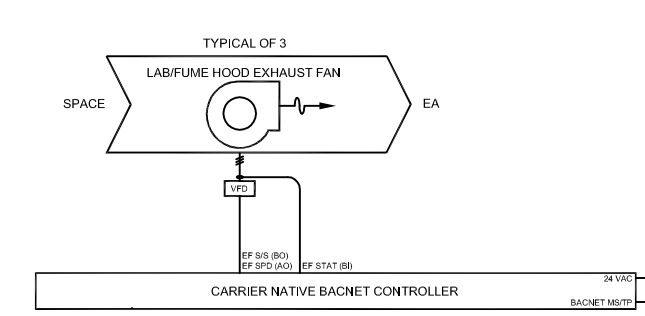
**SEQUENCE OF OPERATION**

**UNIT CONTROL**  
PRICE VENTURI VALVES SHALL BE CONTROLLED BY THE FACTORY INSTALLED NATIVE BAGNET EQUIPMENT CONTROLLER. THE CARRIER I-VU WEB SERVER SHALL HAVE THE ABILITY TO SET SETPOINTS. THIRD PARTY INTEGRATION TO THE I-VU WEB SERVER OF BAGNET POINTS SHALL INCLUDE, AT A MINIMUM, THE FOLLOWING DDC POINTS LIST.

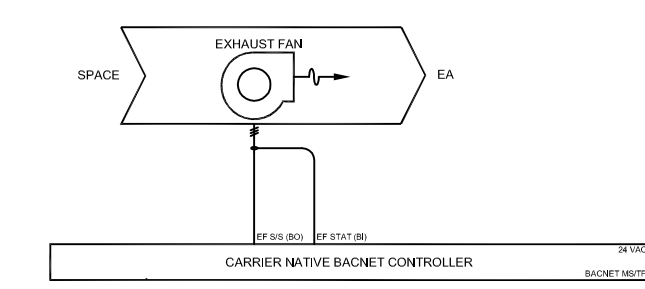
THIRD PARTY INTEGRATION POINTS LIST (SAV-1 THRU SAV-3, GXV-1 THRU GXV-3, HXV-1 THRU HXV-3)



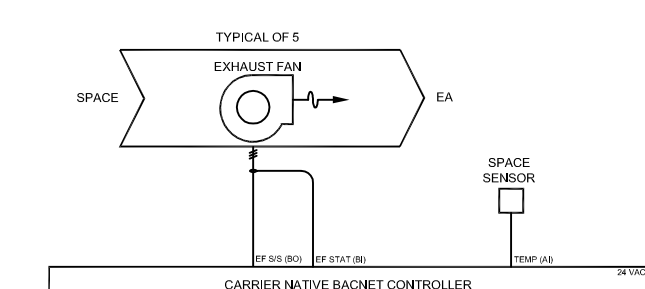
STAGED AIR VOLUME ROOFTOP UNIT DETAIL (AC-1, AC-8, AC-10, AC-12, AC-17)



CONTROL PANEL SHALL CONFORM TO UL 508A STANDARDS



CONTROL PANEL SHALL CONFORM TO UL 508A STANDARDS



CONTROL PANEL SHALL CONFORM TO UL 508A STANDARDS

**SEQUENCE OF OPERATION**

**INDOOR FAN**  
DURING OCCUPIED PERIODS, THE FAN SHALL OPERATE CONTINUOUSLY. DURING UNOCCUPIED PERIODS, THE FAN SHALL OPERATE WHEN THE SPACE TEMPERATURE EXCEEDS THE UNOCCUPIED HEATING OR COOLING SETPOINTS. THE FAN OPERATES AT 1 OF 2 SPEEDS DEPENDING ON THE MODE OF OPERATION AND LOAD CONDITIONS. DURING VENT ONLY MODE AND LOW LOAD CONDITIONS, THE FAN OPERATES AT LOW SPEED. IF LOAD CONDITIONS INCREASE OR IF THERE IS A CALL FOR HEATING, THE FAN OPERATES AT HIGH SPEED.

**HEATING MODE**  
WHEN SPACE TEMPERATURE IS BELOW THE OCCUPIED HEATING SETPOINT, UNIT SHALL OPERATE IN THE HEATING MODE. UNIT SHALL STAGE AVAILABLE HEAT STAGES TO SATISFY DEMAND IN THE OCCUPIED SPACE.

**COOLING MODE**  
WHEN SPACE TEMPERATURE IS ABOVE OCCUPIED COOLING SETPOINT, UNIT SHALL OPERATE IN THE COOLING MODE. UNIT SHALL ENABLE AVAILABLE COOLING STAGES TO SATISFY DEMAND IN THE OCCUPIED SPACE.

**ECONOMIZER**  
ECONOMIZER SHALL CLOSE WHEN FAN IS OFF OR DURING A LOSS OF POWER. DURING OCCUPIED HOURS WHEN FAN IS ENERGIZED, THE ECONOMIZER SHALL OPEN TO ADJUSTABLE MINIMUM POSITION. WHEN OUTSIDE AIR TEMPERATURE IS BELOW SPACE TEMPERATURE AND OCCUPIED SPACE REQUIRES COOLING, ECONOMIZER SHALL OPEN. IF ECONOMIZER AIR IS NOT SUFFICIENT TO MEET THE DEMAND IN THE OCCUPIED SPACE, UNIT SHALL ENABLE AVAILABLE MECHANICAL COOLING STAGES TO SATISFY DEMAND IN THE OCCUPIED SPACE.

**POWER EXHAUST**  
THE EXHAUST FAN SHALL BE ENABLED ANYTIME THE OUTDOOR AIR DAMPER OPENS MORE THAN 30% (ADJUSTABLE) AND WILL MODULATE TO MAINTAIN THE ROOM PRESSURE SETPOINT (AS DETERMINED BY AIR BALANCER). PRESSURE SETPOINT NOT CONTROLLED THROUGH EMS.

**SEQUENCE OF OPERATION**

**INDOOR FAN**  
DURING OCCUPIED PERIODS, THE FAN SHALL OPERATE CONTINUOUSLY. DURING UNOCCUPIED PERIODS, THE FAN SHALL OPERATE WHEN THE SPACE TEMPERATURE EXCEEDS THE UNOCCUPIED HEATING OR COOLING SETPOINTS. THE FAN OPERATES AT 1 OF 3 SPEEDS DEPENDING ON THE MODE OF OPERATION AND LOAD CONDITIONS. DURING VENT ONLY MODE AND LOW LOAD CONDITIONS, THE FAN OPERATES AT LOW SPEED. IF LOAD CONDITIONS INCREASE OR IF THERE IS A CALL FOR HEATING, THE FAN OPERATES AT HIGH SPEED.

**HEATING MODE**  
WHEN SPACE TEMPERATURE IS BELOW THE OCCUPIED HEATING SETPOINT, UNIT SHALL OPERATE IN THE HEATING MODE. UNIT SHALL STAGE AVAILABLE HEAT STAGES TO SATISFY DEMAND IN THE OCCUPIED SPACE.

**COOLING MODE**  
WHEN SPACE TEMPERATURE IS ABOVE OCCUPIED COOLING SETPOINT, UNIT SHALL OPERATE IN THE COOLING MODE. UNIT SHALL ENABLE AVAILABLE COOLING STAGES TO SATISFY DEMAND IN THE OCCUPIED SPACE.

**ECONOMIZER**  
ECONOMIZER SHALL CLOSE WHEN FAN IS OFF OR DURING A LOSS OF POWER. DURING OCCUPIED HOURS WHEN FAN IS ENERGIZED, THE ECONOMIZER SHALL OPEN TO ADJUSTABLE MINIMUM POSITION. WHEN OUTSIDE AIR TEMPERATURE IS BELOW SPACE TEMPERATURE AND OCCUPIED SPACE REQUIRES COOLING, ECONOMIZER SHALL OPEN. IF ECONOMIZER AIR IS NOT SUFFICIENT TO MEET THE DEMAND IN THE OCCUPIED SPACE, UNIT SHALL ENABLE AVAILABLE MECHANICAL COOLING STAGES TO SATISFY DEMAND IN THE OCCUPIED SPACE.

**POWER EXHAUST**  
THE EXHAUST FAN SHALL BE ENABLED ANYTIME THE OUTDOOR AIR DAMPER OPENS MORE THAN 30% (ADJUSTABLE) AND WILL MODULATE TO MAINTAIN THE ROOM PRESSURE SETPOINT (AS DETERMINED BY AIR BALANCER). PRESSURE SETPOINT NOT CONTROLLED THROUGH EMS.

**SEQUENCE OF OPERATION**

**EXHAUST FANS**  
EXHAUST FAN STATUS WILL BE MONITORED THROUGH A CURRENT SENSING SWITCH. IF THE CURRENT SWITCH DOES NOT DETECT FAN STATUS AFTER A START COMMAND HAS BEEN SENT TO THE ASSOCIATED EXHAUST FAN, AN ALARM WILL BE GENERATED TO THE I-VU WEB SERVER.

- LEF-1 INTERLOCK WITH AC-2
- LEF-2 INTERLOCK WITH AC-3
- LEF-3 INTERLOCK WITH AC-5

**SEQUENCE OF OPERATION**

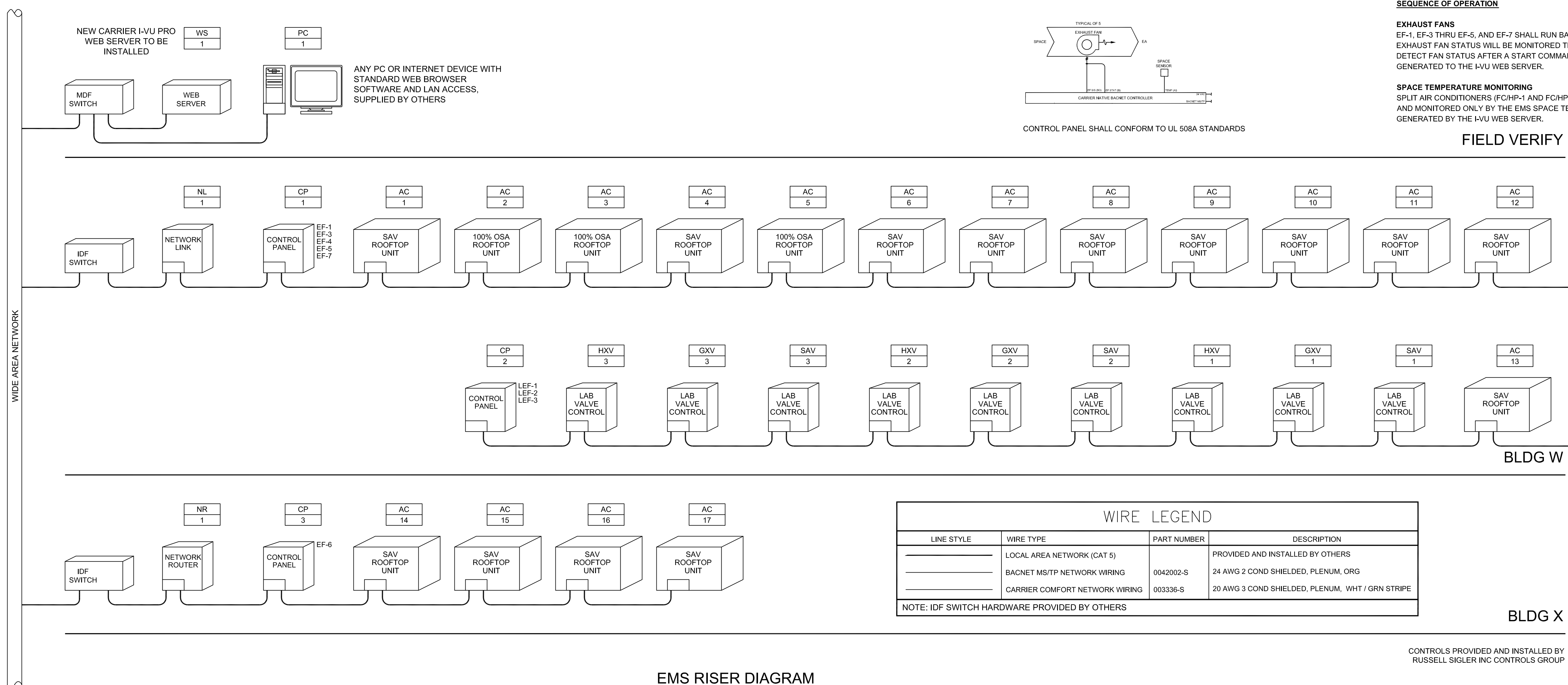
**EXHAUST FANS**  
EF-6 SHALL RUN BASED ON AN OCCUPIED TIME SCHEDULE (CONFIGURABLE). EXHAUST FAN STATUS WILL BE MONITORED THROUGH A CURRENT SENSING SWITCH. IF THE CURRENT SWITCH DOES NOT DETECT FAN STATUS AFTER A START COMMAND HAS BEEN SENT TO THE ASSOCIATED EXHAUST FAN, AN ALARM WILL BE GENERATED TO THE I-VU WEB SERVER.

**SEQUENCE OF OPERATION**

**EXHAUST FANS**  
EF-1, EF-3 THRU EF-5, AND EF-7 SHALL RUN BASED ON AN OCCUPIED TIME SCHEDULE (CONFIGURABLE). EXHAUST FAN STATUS WILL BE MONITORED THROUGH A CURRENT SENSING SWITCH. IF THE CURRENT SWITCH DOES NOT DETECT FAN STATUS AFTER A START COMMAND HAS BEEN SENT TO THE ASSOCIATED EXHAUST FAN, AN ALARM WILL BE GENERATED TO THE I-VU WEB SERVER.

**SPACE TEMPERATURE MONITORING**  
SPLIT AIR CONDITIONERS (FCHP-1 AND FCHP-2) SHALL BE CONTROLLED BY THE UNIT MANUFACTURER'S THERMOSTAT AND MONITORED ONLY BY THE EMS SPACE TEMPERATURE SENSOR. A HIGH TEMPERATURE LIMIT ALARM SHALL BE GENERATED BY THE I-VU WEB SERVER.

**FIELD VERIFY**



LINE STYLE	WIRE TYPE	PART NUMBER	DESCRIPTION
---	LOCAL AREA NETWORK (CAT 5)		PROVIDED AND INSTALLED BY OTHERS
---	BACNET MS/TP NETWORK WIRING	0042002-S	24 AWG 2 COND SHIELDED, PLENUM, ORG
---	CARRIER COMFORT NETWORK WIRING	003336-S	20 AWG 3 COND SHIELDED, PLENUM, WHT / GRN STRIPE

NOTE: IDf SWITCH HARDWARE PROVIDED BY OTHERS

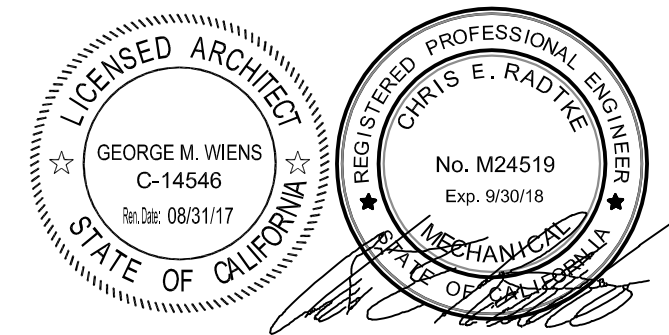
BLDG X

CONTROLS PROVIDED AND INSTALLED BY RUSSELL SIGLER INC CONTROLS GROUP

**ARCHITECTS**  
**WLC**  
CLIENT FOCUSED • PASSION DRIVEN  
**SOUTHERN CALIFORNIA**  
8183 ROCHESTER AVENUE, SUITE 100  
RANCHO CUCAMONGA  
CALIFORNIA 91730-0729  
TEL: 909-987-0909  
www.wlcarchitects.com



**CTE CLASSROOM ADDITION**  
**VISTA MURRIETA HIGH SCHOOL**  
28251 CLINTON KEITH ROAD  
MURRIETA, CA 92563  
MURRIETA VALLEY UNIFIED SCHOOL DISTRICT  
PTN 75200-83



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**TTG**  
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Phone: 909-477-6915 Fax: 909-477-6916  
www.ttgcorp.com Project No. 0216.5085.00

IDENTIFICATION STAMP OFFICE OF THE STATE ARCHITECT OFFICE OF REGULATION SERVICES
APPL 04-115755
AC _____ FLS _____ SS _____
DATE _____

NO	DATE	BY	DESCRIPTION

DRAWN: JM CHECKED: KP  
DATE: 04/25/2017 SCALE:  
PROJECT NUMBER: 1615400

**CONTROLS**

DRAWING NUMBER: **M4.3**



PLUMBING EQUIPMENT SCHEDULE

SYMBOL	DESCRIPTION	REMARKS	DETAIL
WHA 1	WATER HAMMER ARRESTOR	PRECISION PLUMBING PRODUCTS, SC OR SWA SERIES. NOTE: INSTALL AT EACH PLUMBING FIXTURE OR BATTERY OF PLUMBING FIXTURES. INSTALL ON BOTH HOT AND COLD WATER BRANCH LINES IN AN UP RIGHT POSITION AS CLOSE AS POSSIBLE TO THE VALVE OR VALVES BEING SERVED. SIZE AND LOCATION PER P.D.I. STANDARD WH-201.	6 P5.1
TP 1	TRAP PRIMER	PRECISION PLUMBING PRODUCTS "PPP" MODEL #P2-500 AND DISTRIBUTION BOX AS REQUIRED FOR MULTIPLE FLOOR DRAIN APPLICATIONS. TRAP PRIMER SHALL BE CONSTRUCTED OF CORROSION RESISTANT BRASS. PROVIDE AND INSTALL 1/2" COPPER PIPE FROM UNIT TO FLOOR DRAIN, ISOLATION VALVE AND ACCESS PANEL.	7 P5.1
ETP 1	ELECTRONIC TRAP PRIMER (1-4 OUTLET)	PRECISION PLUMBING PRODUCTS "PPP" MODEL #MPB-500-115V IN FLUSH MOUNTED WALL BOX AND DISTRIBUTION BOX AS REQUIRED FOR MULTIPLE FLOOR DRAIN APPLICATIONS. TRAP PRIMER SHALL BE CONSTRUCTED OF CORROSION RESISTANT BRASS. PROVIDE AND INSTALL 1/2" COPPER PIPE FROM UNIT TO FLOOR DRAIN. 115V/19/60 HZ.	8 P5.1
SCV 1	SEISMIC GAS VALVE	PACIFIC SEISMIC PRODUCTS, 1 1/2" VERTICAL MOUNTED VALVE MODEL NO. VT-313. VALVE IS RATED FOR 60 PSI. INSTALL VALVE SO IT CAN BE PROPERLY MAINTAINED IN THE FIELD. CALIFORNIA SEISMIC VALVES ARE UL LISTED IN USA AND CANADA, CERTIFIED BY THE CALIFORNIA STATE ARCHITECTS OFFICE, APPROVED BY THE CITY OF LOS ANGELES. VALVE MEET CALIFORNIA STANDARDS FOR EARTHQUAKE ACTUATED AUTOMATIC GAS SHUT OFF SYSTEMS STANDARD NUMBER 12-23-1, ANSI Z21.70, 1981 AND ASCE 25-97 STANDARDS.	9 P5.1
WH 1	GAS FIRED WATER HEATER	A.O. SMITH MODEL NO. BTH 150. 100 GALLON CAPACITY GAS FIRED WATER HEATER. 60 CFH INTAKE. TANK DIMENSIONS =76.5"H x 26.92"W. 1357 LBS. OPERATING WEIGHT. 325 GALLON RECOVERY @ 70°F RISE PER HOUR. COMPLETE WITH CLOSED COMBUSTION 4" DIRECT VENT SYSTEM BASED ON 30' TDL WITH 4 ELBOWS, AND CONCENTRIC VENT KIT 9009152005.	1 P5.2
ET 1	EXPANSION TANK (ASME RATED)	AMTROL "THERM-X-TROL NO. ST-12-C, ASME. 6.4 GALLON VOLUME, 3.2 GALLON MAX ACCEPTANCE. 13 3/8" HIGH x 12"Ø. 79 LBS. OPERATING WEIGHT WITH 3/4" CONNECTION. UNIT SHALL COMPLY WITH FDA REGULATIONS AND ACCEPTED BY N.S.F. PRECHARGE UNIT AND INSTALL PER MFG. RECOMMENDATIONS.	1 P5.2
CP 1	CIRCULATION PUMP	BELL & COSSET MODEL NO. PL30-B. CAST IRON BODY, STAINLESS STEEL FACE PLATE, GLASS FILLED NORYL IMPELLER, CARBON STEEL SHAFT, STAINLESS STEEL SHAFT SLEEVE, CARBON ON SILICON CARBIDE SEAL AND PRECISION STEEL BALL BEARINGS PERMANENTLY LUBRICATED. 115V SINGLE PHASE AT 1/12 HORSE POWER. 3/4" INLET AND OUTLET. COMPLETE WITH INTERMATIC MODEL T7401B-4 PST 7 DAY TIME CLOCK AND HONEYWELL MODEL L606C AQUASTAT.	1,2,3 P5.2
HR 1	HOSE REEL	COXREELS MODEL NO. C-LP-325-325. AIR AND ELECTRIC REEL 25' LENGTH 3/8" HOSE. SHIPPING WEIGHT 64LBS.	-
GT 1	GAS TURRET	CHICAGO MODEL #980-VR909CAGCP VANDAL RESISTANT TURRET WITH ONE BALL VALVE WITH CHECK.	-
AT 1	AIR TURRET	CHICAGO MODEL #980-VR909CAGCP VANDAL RESISTANT TURRET WITH ONE BALL VALVE WITH CHECK.	-
AC 1	AIR COMPRESSOR UNIT	MODEL LES10-115RD AIR COMPRESSOR UNIT, SINGLE STAGE, AIR COOLED, OIL FREE, SCROLL COMPRESSOR CONTINUOUS DUTY RATED WITH SEALED BEARINGS AND WITH PTFE TIP SEALS BETWEEN SCROLL HALVES. RATED FOR 120 PSIG DISCHARGE PRESSURE. MOUNTED ON WELDED STEEL BASE FOR MOTOR AND COMPRESSOR WITH PROVISION FOR V-BELT ADJUSTMENT, AND OPERATING WEIGHT OF 898 POUNDS.	- P5.1
CB 1	CONNECTION BOX	PLASTIC ICE MAKER BOX "PPP" MODEL MM-500 PIMB	-
CS 1	CONTROL STATION (EMERGENCY GAS SHUTOFF)	ISMET S305 1 1/2" ANA S303 1" 24 VOLT, 14. 60HZ 3 POLE SOLENOID VALVE OF BRASS CONSTRUCTION AND WIRED TO ISMET CONTROL STATION. MODEL #LA1312-R-120/VAC BRUSHED 16GA. STAINLESS STEEL FLUSH MOUNTED UTILITY CONTROLLER 5.75"x11.75"x3.75" COMPLETE WITH CIRCUIT CONTROL SWITCH, KEY RESET PANIC BUTTON TO AMP AT 120 VAC. AND N/C SOLENOID VALVE. FOR CASEWORK AND INDEPENDENT SYSTEM CONTROLLING 1" NATURAL GAS. INSTALL COMPLETE SYSTEM PER MANUFACTURER'S RECOMMENDATION VALVE STAYS OPEN WITH NO ELECTRICAL POWER. POWER IS ACTIVATED WITH INCOMING FIRE ALARM OR PANIC PUSH BUTTON. RESETTING VALVE BY KEY ACTIVATION.	-
CWB 1	CLOTHES WASHING BOX	METAL LAUNDRY BOX "PPP" MODEL MM-500 MLB.	-
TMV 1	THERMOSTATIC MIXING VALVE (POINT OF USE)	POWERS MODEL NO. LFE-480. LEAD FREE BRASS BODY, 1/2" NPT ROUGH BRONZE FINISH. COMBINATION TEMPERING VALVE SHALL BE ASSE 1070 TYPE T/P LISTED AND CSA B125 CERTIFIED. ALL INTERNAL COMPONENTS SHALL BE FROM CORROSION RESISTANT MATERIAL. CAPACITY OF THE VALVE MUST BE 4 GPM @ 45 PSIG DIFFERENTIAL, AND BE CONSTRUCTED OF SOLID BRASS. CONTROL TEMPERATURE MUST BE ADJUSTABLE BETWEEN 80 AND 120°F (32-43°), WITH A LOCKING NUT TO PREVENT UNAUTHORIZED OR ACCIDENTAL ADJUSTMENT. THE VALVE SHALL CONTAIN INTEGRAL CHECKS TO PREVENT CROSSFLOW AND INLET SCREENS TO FILTER DEBRIS.	-
TMV 2	THERMOSTATIC MIXING VALVE (POINT OF USE)	LEONARD MODEL 3NB-LFM5RP-1. ECO-MX. MEGATRON LEAD FREE, 1.0 TO 89 GPM, 1" HOT AND COLD INLETS, 1-1/4" MIXED OUTLET, 1" RETURN PIPING, VALVE ASSEMBLY IS ASSE 1017 CERTIFIED, LEAD FREE CONSTRUCTION. COMPLETE WITH REDUNDANT CIRCULATION PUMPS.	-

PLUMBING FIXTURE SCHEDULE

SYMBOL	DESCRIPTION	W	TRAP	V	CW	HW	REMARKS
WC 1	WATER CLOSET (ACCESSIBLE)	4"	INT.	2"	1 1/2"	NA	AMERICAN STANDARD MADERA MODEL NO. 3461.001, FLOOR MOUNTED, VITREOUS CHINA, ELONGATED BOWL 1 1/2" TOP SPUD 1.28 GPF. SLOAN ROYAL MODEL NO. 111-1.28, MANUAL FLUSH VALVE. AMERICAN STANDARD SEAT MODEL NO. 5901.100. MOUNT PER ARCHITECTURAL DRAWINGS. MOUNT AT 17"-19" HEIGHT PER ACCESSIBLE REQUIREMENTS.
WC 2	WATER CLOSET	4"	INT.	2"	1 1/2"	NA	AMERICAN STANDARD MADERA MODEL NO. 3451.001, FLOOR MOUNTED, VITREOUS CHINA, ELONGATED BOWL 1 1/2" TOP SPUD 1.28 GPF. SLOAN ROYAL MODEL NO. 111-1.28, MANUAL FLUSH VALVE. AMERICAN STANDARD SEAT MODEL NO. 5901.100. MOUNT PER ARCHITECTURAL DRAWINGS. MOUNT AT 15" HEIGHT PER STANDARD REQUIREMENTS.
U 1	URINAL (ACCESSIBLE)	2"	INT.	2"	3/4"	NA	ZURN MODEL NO. 25798.207.00, WALL HUNG, VITREOUS CHINA BOWL WITH J.R. SMITH CARRIER, WITH BEARING PLATE ZURN MODEL NO. Z6003AV-ULF, HIGH EFFICIENCY MANUAL FLUSH VALVE, 1/8 GALLONS PER FLUSH. MOUNT PER ARCHITECTURAL DRAWINGS.
U 2	URINAL	2"	INT.	2"	3/4"	NA	ZURN MODEL NO. 25798.207.00, WALL HUNG, VITREOUS CHINA BOWL WITH J.R. SMITH CARRIER, WITH BEARING PLATE ZURN MODEL NO. Z6003AV-ULF, HIGH EFFICIENCY MANUAL FLUSH VALVE, 1/8 GALLONS PER FLUSH. MOUNT PER ARCHITECTURAL DRAWINGS.
L 1	LAVATORY (STAFF ACCESSIBLE)	2"	1 1/4"-1 1/2"	2"	1/2"	1/2"	AMERICAN STANDARD WALL HUNG LUCERNE MODEL NO. 0355.012 20"x18", VITREOUS CHINA BOWL WITH J.R. SMITH CARRIER. AMERICAN STANDARD DRAIN MODEL NO. 2411.015. CHICAGO FAUCET MODEL NO. 3400-ABCP, 0.5 GPM. LA PATTERN P-TRAP WITH ACCESSIBLE INSULATION WRAP BY PLUMBEREX "HANDY SHIELD MAXX" MODEL NO. 2003, MEETS AST E84-07 TESTING STANDARD 25 FLAME SPREAD/450 SMOKE INDEX. CHICAGO SUPPLY & STOPS MODEL NO. 1017ABCP.
L 2	LAVATORY (STUDENT ACCESSIBLE)	2"	1 1/4"-1 1/2"	2"	1/2"	1/2"	AMERICAN STANDARD WALL HUNG LUCERNE MODEL NO. 0355.012 20"x18", VITREOUS CHINA BOWL WITH J.R. SMITH CARRIER. AMERICAN STANDARD DRAIN MODEL NO. 2411.015. CHICAGO FAUCET MODEL NO. 3400-ABCP, 0.5 GPM. LA PATTERN P-TRAP WITH ACCESSIBLE INSULATION WRAP BY PLUMBEREX "HANDY SHIELD MAXX" MODEL NO. 2003, MEETS AST E84-07 TESTING STANDARD 25 FLAME SPREAD/450 SMOKE INDEX. CHICAGO SUPPLY & STOPS MODEL NO. 1017ABCP.
S 1	SINK (CLASSROOM ACCESSIBLE)	2"	1 1/4"-1 1/2"	2"	1/2"	-	"JUST" NO.SL-1921-A-GR STAINLESS STEEL, 18 GAUGE, TYPE 304, 19"x21"x6-1/2"DEEP WITH UNDERCOAT SOUND DEADENING; SINGLE-HOLE PUNCH WITH J-35 CENTERED DRAIN, AND FIRE RATED POLYPROPYLENE ACID WASTE PIPING DOWN TO THE DILUTION TRAP, WITH CHICAGO FAUCET MODEL #EBF-750 BATTERY-POWERED SENSOR HANDS-FREE GOOSENECK FAUCET WITH 1.5 GPM AERATOR, COMPLETE WITH CHICAGO #1017ABCP STOPS & MEET LEAD-FREE MANDATE.
S 2	SINK (EXTERIOR SPECIALTY SINK)	3"	3"	2"	3/4"	3/4"	AMERICAN STANDARD FLOOR MOUNTED AKRON SERVICE SINK MODEL NO. 7695.008, ENAMELED CAST IRON, SUPPLIED WITH WALL HANGER AND RIM GUARD, 19 7/8" X 16 3/8" X 10 1/2"DEEP, WITH TWO HOLES PUNCHED. CHICAGO FAUCET 897-CP, COMPLETE WITH CHICAGO #1017ABCP STOPS & MEET LEAD-FREE MANDATE.
S 3	SINK (DEEP SPECIALTY SINK)	2"	1 1/4"-1 1/2"	2"	1/2"	-	"JUST" NO.SLXD-1921-A-GR STAINLESS STEEL, 18 GAUGE, TYPE 304, 19"x21"x12"DEEP WITH UNDERCOAT SOUND DEADENING; SINGLE-HOLE PUNCH WITH J-35 CENTERED DRAIN, AND FIRE RATED POLYPROPYLENE ACID WASTE PIPING DOWN TO THE DILUTION TRAP, WITH CHICAGO FAUCET MODEL #EBF-750 BATTERY-POWERED SENSOR HANDS-FREE GOOSENECK FAUCET WITH 1.5 GPM AERATOR, AND WITH COMPLETE WITH CHICAGO #1017ABCP STOPS & MEET LEAD-FREE MANDATE.
S 4	SINK (ACCESSIBLE BIOTECH)	2"	1 1/4"-1 1/2"	2"	1/2"	-	"JUST" NO.SL-1921-A-GR STAINLESS STEEL, 18 GAUGE, TYPE 304, 19"x21"x6-1/2"DEEP WITH UNDERCOAT SOUND DEADENING; SINGLE-HOLE PUNCH WITH J-35 CENTERED DRAIN, AND FIRE RATED POLYPROPYLENE ACID WASTE PIPING DOWN TO THE DILUTION TRAP, WITH CHICAGO FAUCET MODEL 928-317-KKCP FAUCET WITH SERRATED NOZZEL, COMPLETE WITH CHICAGO #1017ABCP STOPS & MEET LEAD-FREE MANDATE.
S 5	SINK (BIOTECH)	2"	1 1/4"-1 1/2"	2"	1/2"	-	"JUST" NO.SL-1921-A-GR STAINLESS STEEL, 18 GAUGE, TYPE 304, 19"x21"x6-1/2"DEEP WITH UNDERCOAT SOUND DEADENING; SINGLE-HOLE PUNCH WITH J-35 CENTERED DRAIN, AND FIRE RATED POLYPROPYLENE ACID WASTE PIPING DOWN TO THE DILUTION TRAP, WITH CHICAGO FAUCET MODEL 928-317-KKCP FAUCET WITH SERRATED NOZZEL, COMPLETE WITH CHICAGO #1017ABCP STOPS & MEET LEAD-FREE MANDATE.
DT 1	DILUTION TRAP (ACID WASTE)	2"	-	2"	-	-	ORION STYLE 11, FIVE GALLON CAPACITY, (1) 1 1/2" INLET AND OUTLET OPAQUE BASE CONSTRUCTED OF VIRGIN POLYETHYLENE OR POLYPROPYLENE RESIN. PROFILL WITH LIMESTONE CHIPS. VERIFY UNIT DIMENSIONS TO INSTALL ROUGH INS ALIGNED WITH INLET AND OUTLET. UNIT SHALL REST FLAT IN CABINET BOTTOM. NO ADDITIONAL BOTTOM BLOCKING SHALL BE ALLOWED. DILUTION TRAPS SHOULD BE AT ALL SINKS REQUIRING ACID WASTE DISPOSAL.
MS 1	MOP SINK	3"	3"	2"	3/4"	3/4"	CECO SERVICE SINK MODEL NO. 871 WITH 871-3" CHROME STRAINER AND B-872 COATED WIRE RIM GUARD. CHICAGO FAUCET MODEL NO. 897-CP WITH CHROME PLATED, VACUUM BREAKER, 3/4" MALE HOSE THREAD OUTLET, LEVER HANDLES, 1/2" NPT FEMALE UNION NUT SUPPLY STOPS.
DF 1	DRINKING FOUNTAIN (ACCESSIBLE)	2"	1 1/4"-1 1/2"	2"	3/4"	NA	HAWS HI LOW DRINKING FOUNTAIN MODEL NO. 1119.14, 14 GAUGE, TYPE 304 STAINLESS STEEL CONSTRUCTION. LEAD FREE. COMPLETE WITH CHICAGO STRAINER MODEL NO. 6422. CHICAGO LOOSE KEY STOPS MODEL NO. 45. COMPLETE WITH HAWS MOUNTING PLATE AND SUPPORT CARRIER.
DF 2	DRINKING FOUNTAIN HI-LOW (ACCESSIBLE)	2"	1 1/4"-1 1/2"	1 1/2"	3/4"	-	ELKAY EZH20 BOTTLE FILLING STATION. NO LEAD TWO LEVEL SWIRL FLO WALL MOUNT, BARRIER FREE REFRIGERATED FOUNTAIN WITH EZH20 BOTTLE FILLING STATION MODEL EZSTL8WMS, 1.1 GPM WITH LAMINAR FLOW. TWO LEVEL FOUNTAIN BASINS, 18 GAUGE, STAINLESS STEEL, FLEXI GUARD BUBBLER, VANDAL RESISTANT FRONT BUTTON, NO TOUCH SENSOR ACTIVATED BOTTLE FILLER. 115V/60HZ, 80PH, 5.0 F.L. AMPS, 370 RATED WATTS. LEAD FREE. COMPLETE WITH CHICAGO STRAINER MODEL NO. 6422. CHICAGO LOOSE KEY STOPS MODEL NO. 45. HAWS SUPPORT MODEL NO. 6800 SUPPORT AND #6700.4 MOUNTING PLATE.
HB 1	HOSE BIBB EXTERIOR WALL MOUNT	NA	NA	NA	3/4"	NA	ACORN MODEL # 8104. RECESSED WALL HOSE BOX WITH VACUUM BREAKER, LUMALOY BOX AND FRAME. REMOVABLE WALL FLANGE. FRAME DOOR WITH ANODIZED, SATIN FINISH. DOOR WITH CAM LATCH, CARTRIDGE OPERATED VALVE. SCREWS/RIEVER STOP. VANDAL RESISTANT LOCKSHIELD BONNET.
HB 2	HOSE BIBB ROOF MOUNT	NA	NA	NA	3/4"	NA	ACORN MODEL # 8126-LF. CARTRIDGE OPERATED VALVE. REMOVABLE LOOSE KEY WHEEL HANDLE. VANDAL RESISTANT LOCKSHIELD BONNET. ROUGH BRASS FINISH BODY WITH VACUUM BREAKER. FREE STANDING UNIT ON ROOF SHALL HAVE 3/4" BALL VALVE IN RISER, ACCESSIBLE ON ROOF. FLASH AND SEAL ROOF PENETRATION.
FD 1	FLOOR DRAIN	2"	2"	2"	1/2"TP	NA	J.R. SMITH MODEL NO. 2005, DUCO CAST BODY, ROUND NICKEL-BRONZE HEEL PROOF ADJUSTABLE 6" STRAINER GRATE WITH DOUBLE DRAINAGE FLANGE, WEEP HOLES, 2" HUBLESS. PROVIDE WITH TRAP PRIMER CONNECTION.
FS 1	FLOOR SINK	3"	3"	2"	1/2"TP	NA	J.R. SMITH MODEL NO. 3100-C CAST IRON WITH ACID RESISTANT ENAMEL COATED INTERIOR AND ALUMINUM DOME BOTTOM STRAINER WITH NICKEL BRONZE 1/2 OR 3/4 TOP AND TRAP PRIMER CONNECTION.
RD 1	ROOF DRAIN	NA	NA	NA	NA	NA	JAY R SMITH MODEL #1010Y-R-C-AD CAST IRON BODY WITH COMBINED FLASHING CLAMP AND GRAVEL STOP, SUMP RECEIVER, UNDERDECK CLAMP AND ALUMINUM DOME. PRIME AND PAINT TO MATCH ROOF. (REFER TO ARCHITECTURAL DRAWINGS FOR EXACT DRAIN LOCATIONS. REFER TO PLUMBING ROOF PLANS FOR DRAIN SIZES.)
OD 1	OVERFLOW DRAIN	NA	NA	NA	NA	NA	JAY R SMITH MODEL #1080Y-R-C-AD CAST IRON BODY WITH COMBINED FLASHING CLAMP AND GRAVEL STOP, SUMP RECEIVER, UNDERDECK CLAMP AND ALUMINUM DOME. 2" CAST IRON WATER DAM. PRIME AND PAINT TO MATCH ROOF.(REFER TO ARCHITECTURAL DRAWINGS FOR EXACT DRAIN LOCATIONS. REFER TO PLUMBING ROOF PLANS FOR DRAIN SIZES.)
DS 1	DOWN SPOUT COVER	NA	NA	NA	NA	NA	ZURN #Z199-DC-5, DOWNSPOUT COVER, ROUND FABRICATED STAINLESS STEEL FRAME WITH FABRICATED SECURED PERFORATED STAINLESS STEEL HINGED STRAINER. INSTALL AT ALL OVERFLOW DRAINS
ESWS 1	EMERGENCY SHOWER & WASH STATION	NA	NA	NA	1 1/4"	1 1/4"	GUARDIAN MODEL NO. 6BF2150 RECESSED SAFETY STATION WITH DRAIN PAN, EXPOSED SHOWER HEAD. ADA COMPLIANT WHEN INSTALLED AT RECOMMENDED MOUNTING HEIGHTS. 10"Ø STAINLESS STEEL SHOWER HEAD WITH 16 GAUGE STAINLESS STEEL COVER & DRAIN PAN. COMPLETE WITH G3807LF TEMPERING VALVE 44 GALLON CAPACITY WITH RECESSED STAINLESS STEEL CABINET.

GENERAL NOTE: ALL PLUMBING FIXTURES ARE PUBLIC USE.

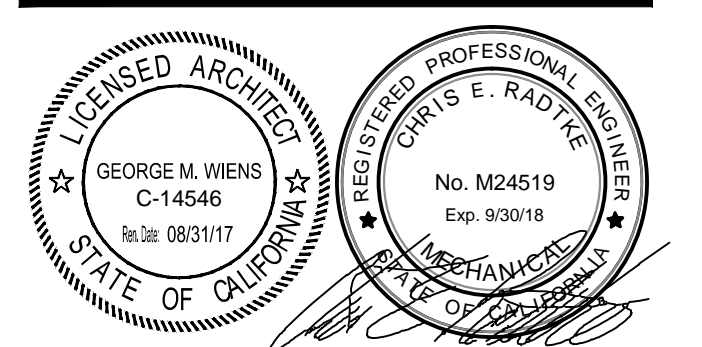


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SCHEDULES, TABLES AND CHARTS

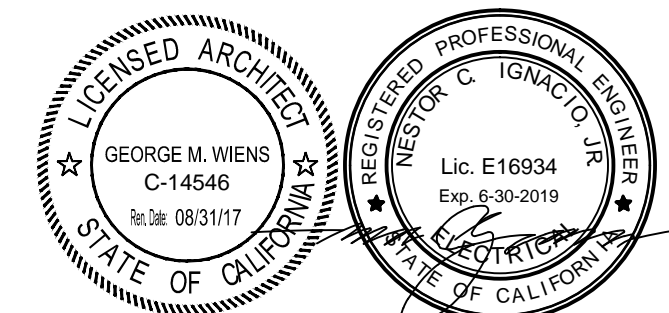
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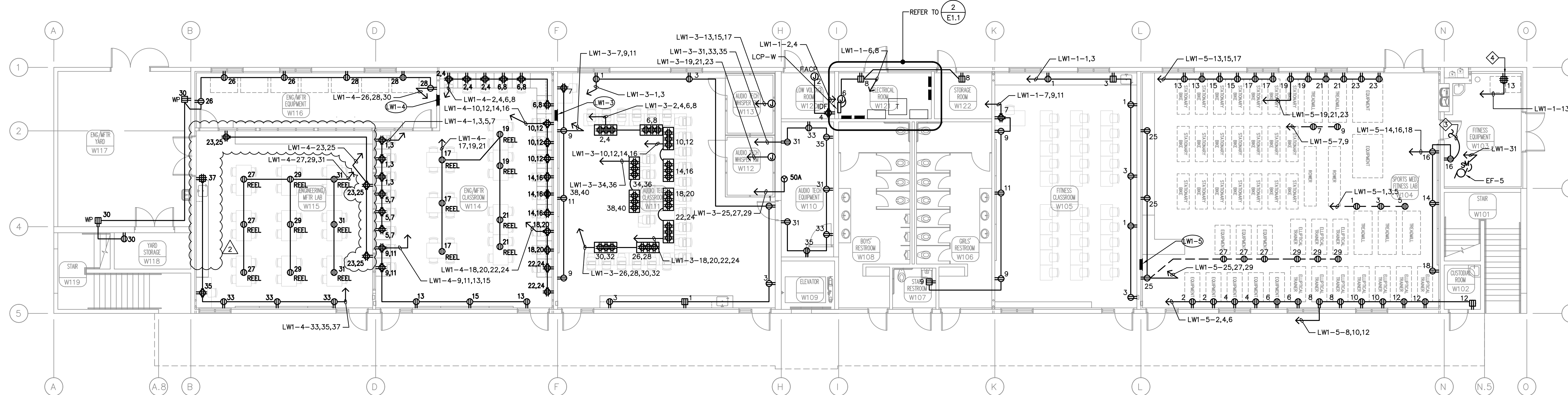


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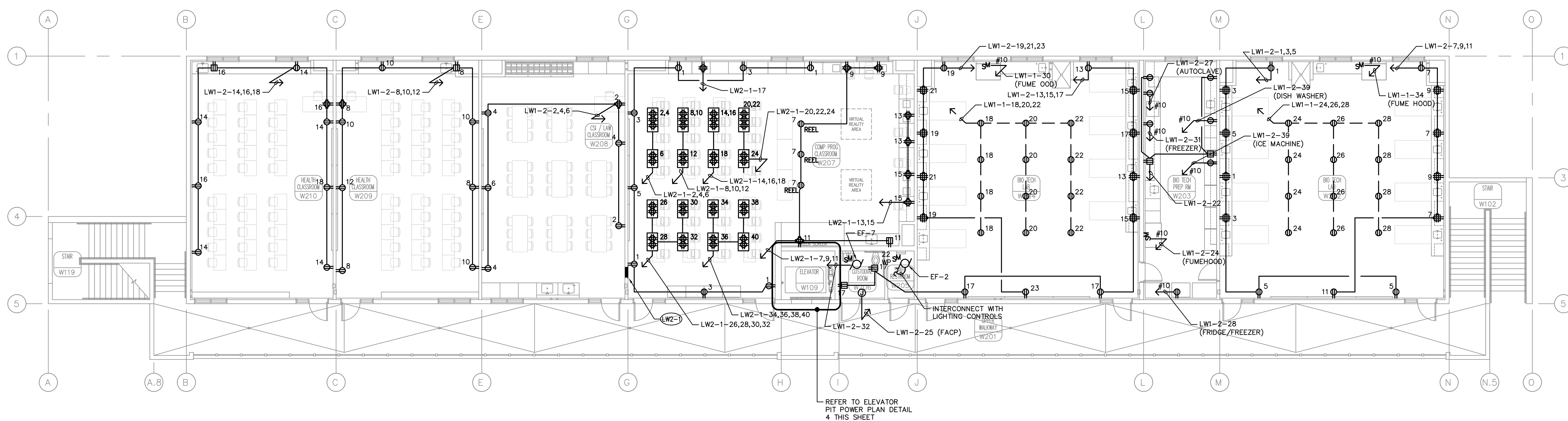


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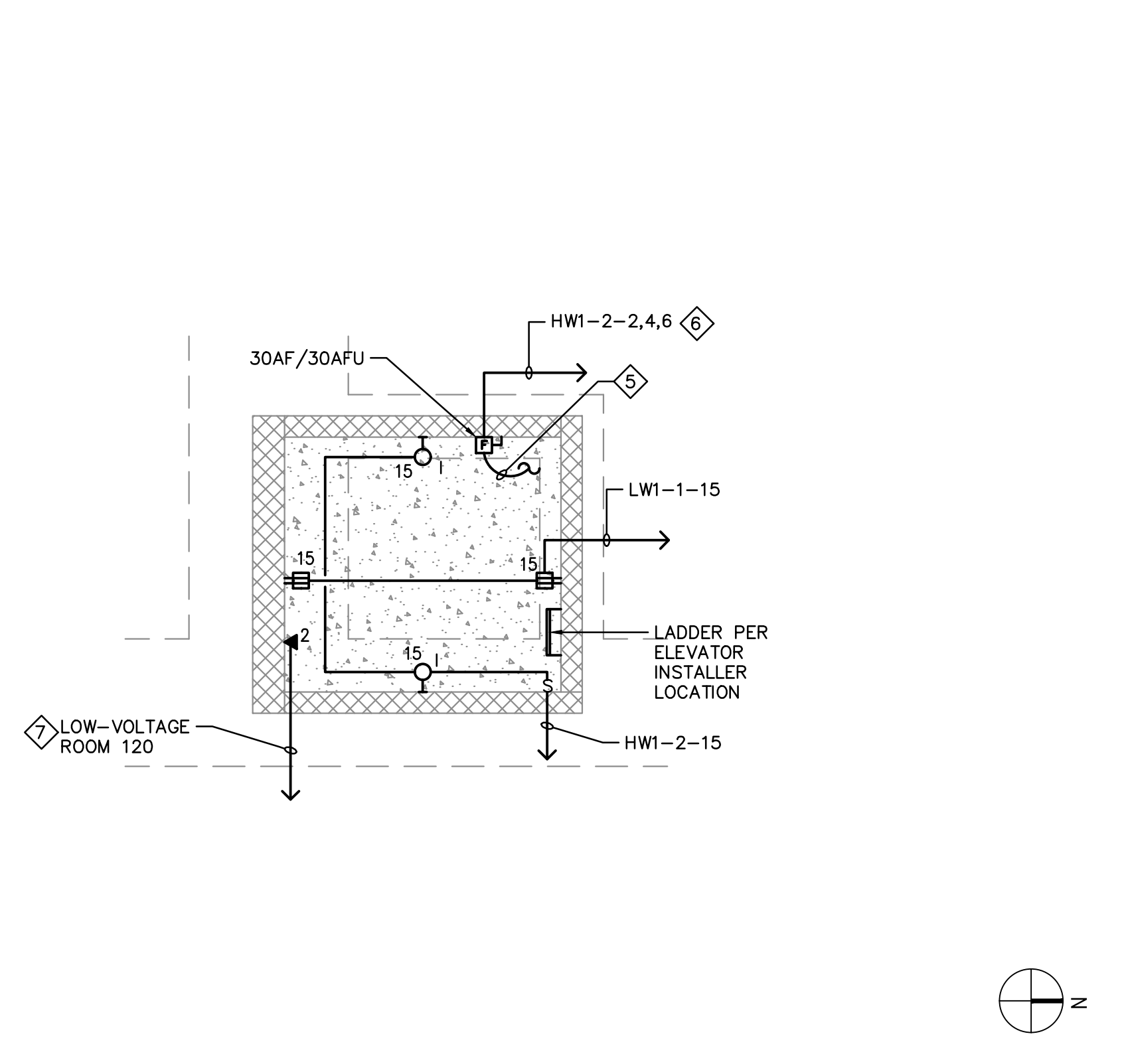
BUILDING "W" FIRST FLOOR POWER PLAN

1/8"=1'-0" 1



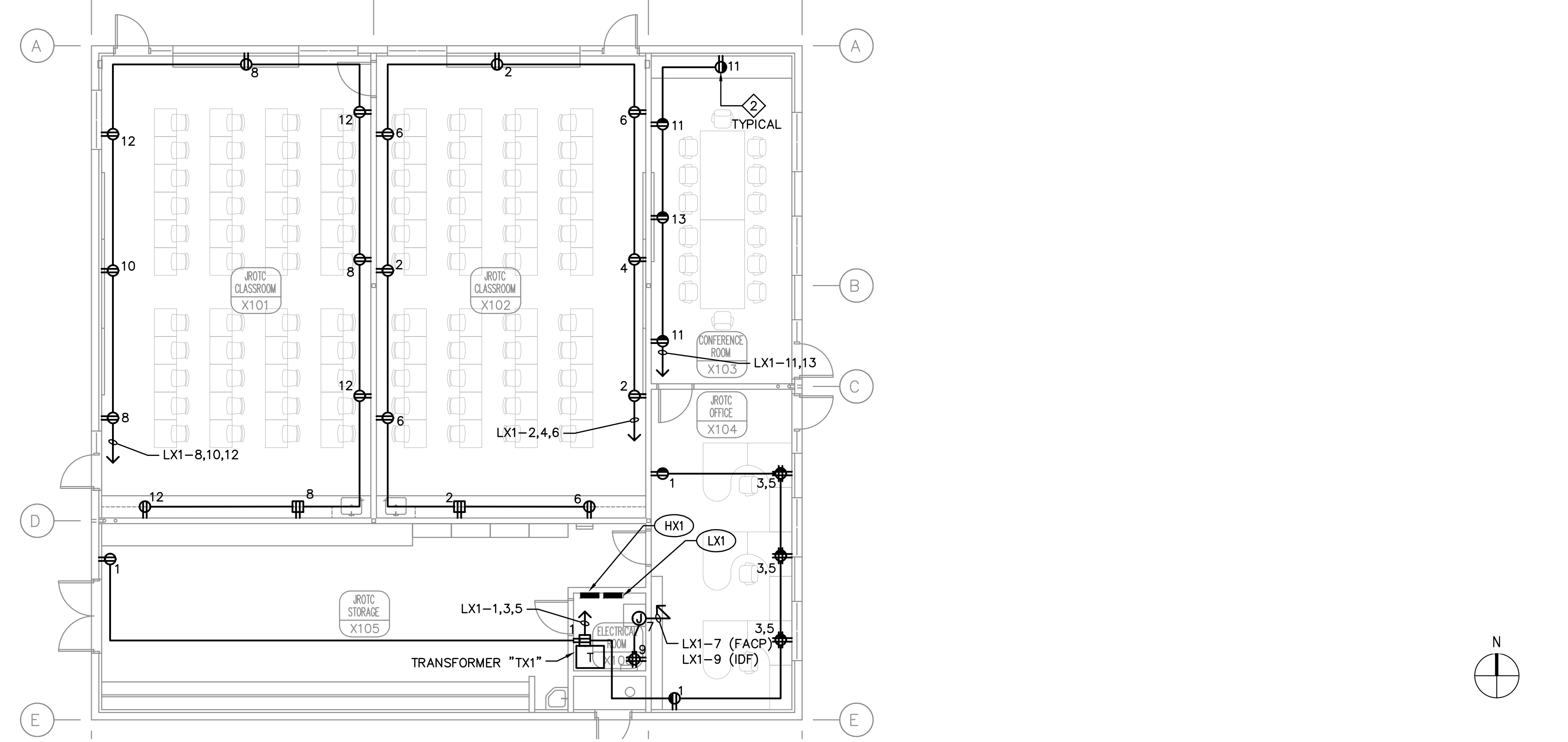
BUILDING "W" SECOND FLOOR POWER PLAN

1/8"=1'-0" 2



ELEVATOR PIT POWER/SIGNAL DETAIL

1/4"=1'-0" 4



BUILDING "X" FLOOR POWER PLAN

1/8"=1'-0" 3

**KEY NOTES**

- 1. PROVIDE 2" C.O. TO ROOF FOR FUTURE PV SYSTEM. STUB UP AND CAP 6 INCHES ABOVE FINISHED ROOF.
- 2. PARTIAL SHADED RECEPTACLE TO BE SPLIT WIRED SO ROOM OCCUPANCY SENSOR SHUTS HALF RECEPTACLE OFF WITH LIGHTING.
- 3. EXTEND CIRCUIT TO DRINKING FOUNTAIN DF-2 & ELECTRONIC TRAP PRIMER ETP-1. REFER TO PLUMBING DRAWINGS FOR EXACT LOCATION.
- 4. POWER FOR WASHER & DRYER. RECEPTACLE SHALL BE IN ELEVATION WHERE IT IS ACCESSIBLE WITHOUT MOVING THE EQUIPMENT.
- 5. 1" C FLEXIBLE CONDUIT W/ 3#1 AWG & 1#10 GROUND TO ELEVATOR FOR POWER COMPARTMENT.
- 6. PROVIDE 1" C W/ 3#10 AWG & 1#10 GROUND.
- 7. PROVIDE (2) EACH TELEPHONE CABLE. CONSULT ELEVATOR INSTALLER FOR ADDITIONAL PHONE LINE REQUIREMENT.
- 8. POWER CORD REEL: GRANGER PART #46U999. PROVIDE CEILING MOUNTED DUPLEX RECEPTACLE ADJACENT TO REEL. PROVIDE UNISTRUT CHANNEL BETWEEN TWO FLOOR JOIST AND MOUNT REELS TO UNISTRUT, ATTACH UNISTRUT CHANNEL TO FLOOR JOIST. COORDINATE WITH ARCHITECT FOR MOUNTING AND EXACT LOCATION. REFER TO SPECIFICATIONS FOR MORE INFORMATION. (DEVICE IS LESS THAN 4 LBS)

**GENERAL NOTES**

1. ELEVATOR POWER/SIGNAL PLAN SHOWN DEVICES/EQUIPMENT DIAGRAMMATICALLY. CONTRACTOR SHALL CONSULT W/ ELECTRICAL INSTALLER FOR EXACT LOCATION.

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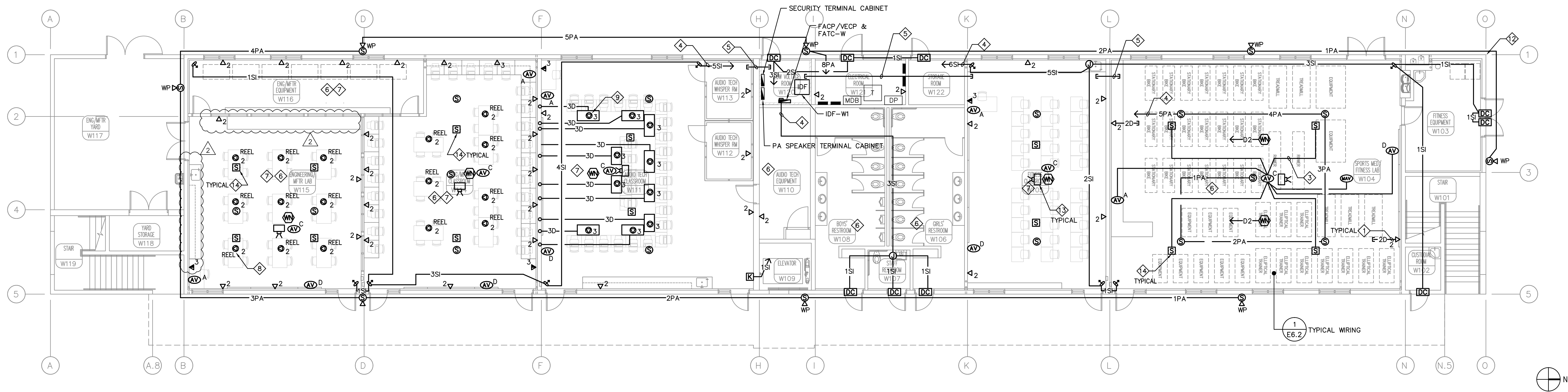
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**POWER PLANS**

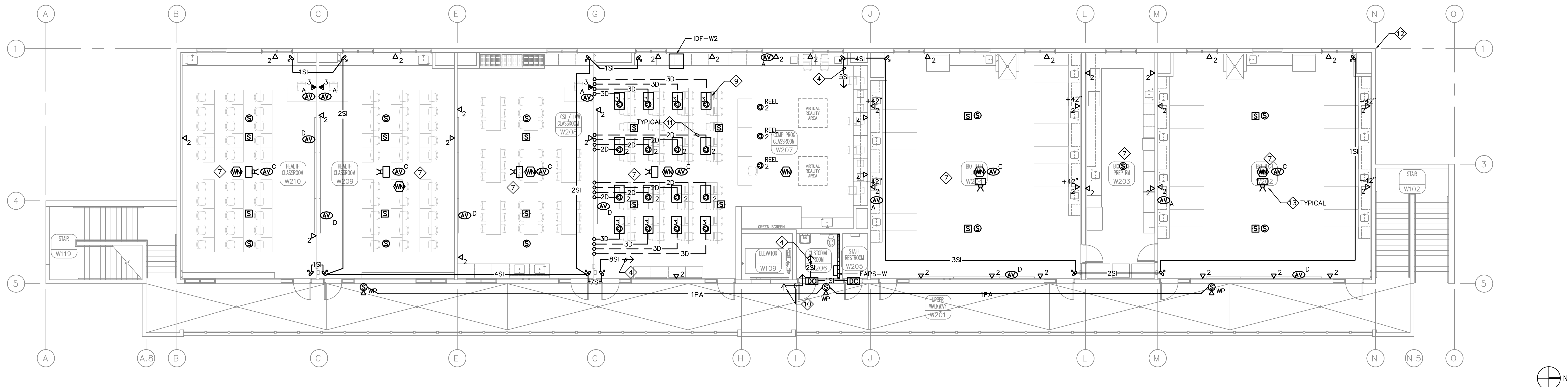
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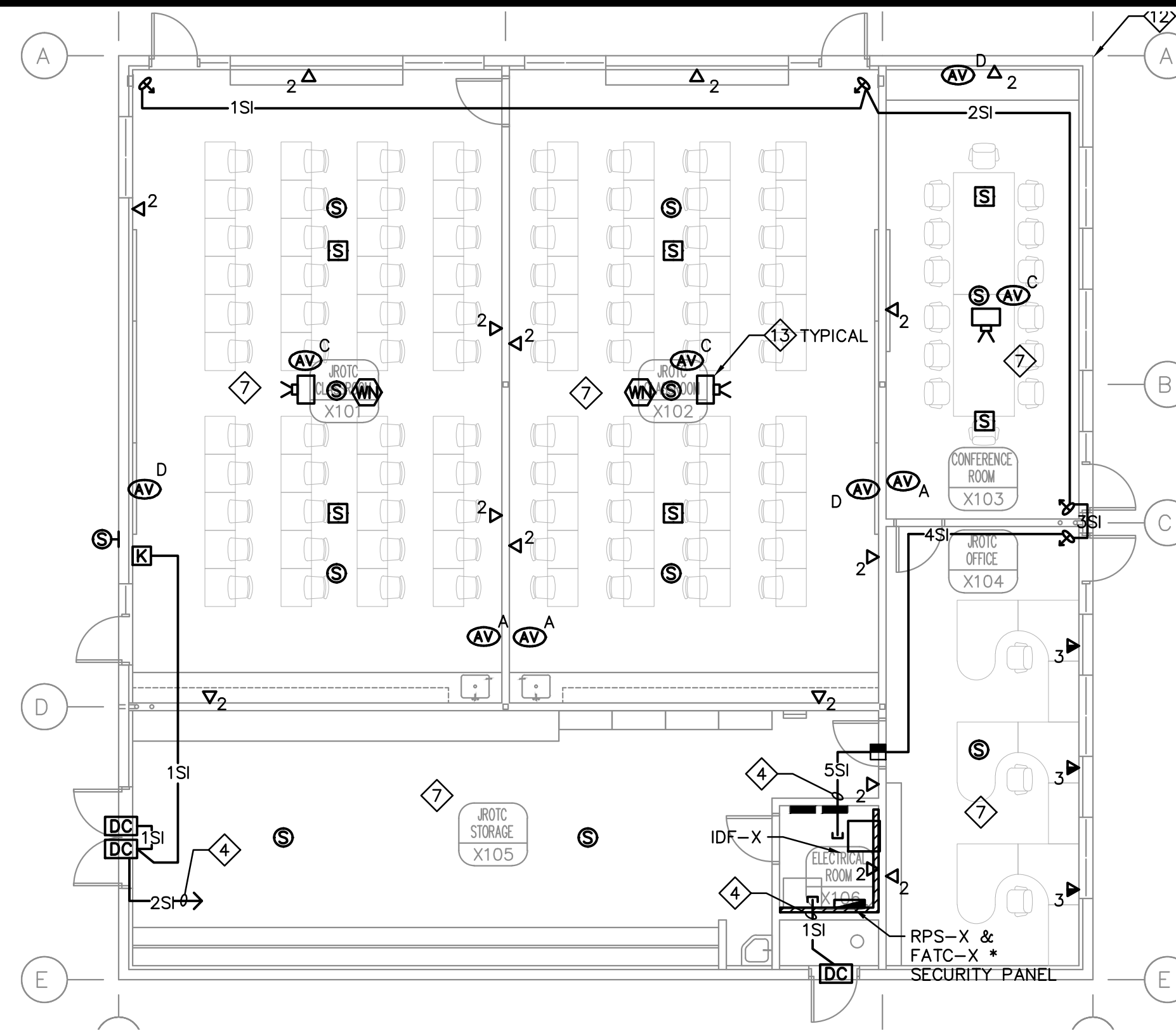
BUILDING "W" FIRST FLOOR SIGNAL PLAN

NTS 1



BUILDING "W" SECOND FLOOR SIGNAL PLAN

NTS 2



BUILDING "X" FLOOR SIGNAL PLAN

NTS 3

KEY NOTES

1. PROVIDE CABLE TYPE & QUANTITY AS INDICATED WITH CONDUIT TO ACCESSIBLE CEILING SPACE. CONTINUE CABLE RUN VIA J-HOOKS TO IDF INDICATED ON PLAN.
2. MOUNT 6" ABOVE COUNTER TO TOP OF DEVICE BOX.
3. REFER TO DETAIL #1, SHEET E6.2 FOR CABLE REQUIREMENTS TYPICAL FOR AV SYSTEM.
4. TO LOW VOLTAGE ROOM TERMINAL CABINET FOR ASSOCIATED SYSTEMS WIRING.
5. PROVIDE (2) 1" CONDUIT FOR PA, SECURITY & (1) 3" CONDUIT FOR DATA CABLES TO LOW VOLTAGE ROOM.
6. ALL LOW VOLTAGE WIRING & CABLES IN THIS ROOM SHALL BE IN CONDUIT.
7. FOR TYPICAL CABLE & CONDUIT LAYOUT, REFER TO FITNESS LAB ROOM, DETAIL #1, THIS SHEET.
8. 20' RETRACTABLE DATA CORD REEL WITH CAT6 PLUG BY GRANGER OR EQUAL, PART #25D131, PROVIDE CEILING MOUNTED DATA OUTLET WITH TO JACKS ADJACENT TO REEL. PROVIDE UNISTRUT CHANNEL BETWEEN TWO FLOOR JOIST AND MOUNT REELS TO UNISTRUT. ATTACH UNISTRUT CHANNEL TO FLOOR JOIST. COORDINATE WITH ARCHITECT FOR MOUNTING AND EXACT LOCATION. REFER TO SPECIFICATIONS FOR MORE INFORMATION. (DEVICE IS LESS THAN 4 LBS).
9. MOUNT IN FLOORBOX WITH RECEPTACLES PER POWER PLAN. FLOOR BOX SHALL CAPABLE OF HOLDING 8 SINGLE GANG DEVICES. FSR #FL500P OR EQUAL. PROVIDE POKETHRU DEVICE FOR LOCATIONS ON SECOND FLOOR.
10. PROVIDE EMERGENCY CALL STATION WITH CONDUIT & CABLE TO LOW VOLTAGE ROOM. REFER TO SPECIFICATIONS.
11. CONDUIT RUN UNDERGROUND AND VERTICALLY TO ACCESSIBLE CEILING SPACE. FIELD DETERMINE MOST SUITABLE PATH.
12. PROVIDE ASSISTIVE LISTENING SYSTEM IN EACH CLASSROOM. REFER TO SPECIFICATIONS FOR MORE INFORMATION.
13. CEILING MOUNTED PROJECTOR PER DETAIL #1, SHEET E6.2. COORDINATE WITH OPTOMA FOR EXACT LOCATION AND MOUNTING REQUIREMENTS.
14. PROVIDE SURFACE MOUNTED SPEAKER SUITABLE FOR ROOM WITH NO CEILING VISIBLE TO ROOF STRUCTURE. REFER TO SPECIFICATIONS FOR MORE INFORMATION.

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SIGNAL PLANS

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