

# BUTTE COUNTY ASSOCIATION OF GOVERNMENTS BUTTE REGIONAL TRANSIT OPERATIONS CENTER TENANT IMPROVEMENT

326 HUSS LANE  
CHICO, CA

## 50% CONSTRUCTION DOCUMENTS

### 2013 California Green Building Standard Code (CGC) Non Residential Checklist

Feature or Measure	Yes
<b>SITE DEVELOPMENT (CGC 5.106)</b>	
<b>Short-Term bicycle parking.</b> If the project is anticipated to generate visitor traffic, provide permanently anchored bicycle racks within 200 feet of the visitors' entrance, readily visible to passers-by, for 5 percent of visitor motorized vehicle parking capacity, with a minimum of one two-bike capacity rack per CGC 5.106.4.1.	<input type="checkbox"/>
<b>Long-Term bicycle parking.</b> For buildings with over 10 tenant-occupants, provide secure bicycle parking for 5 percent of tenant-occupied motorized vehicle parking capacity, with a minimum of one space per CGC 5.106.4.2.	<input type="checkbox"/>
<b>Designated parking.</b> Provide designated parking for any combination of low-emitting, fuel-efficient and carpool/van pool vehicles as shown in Table 5.106.5.2.	<input type="checkbox"/>
<b>Light pollution reduction.</b> Comply with lighting power requirements in the California Energy Code and in compliance with CGC 5.106.8.	<input type="checkbox"/>
<b>WATER EFFICIENCY AND CONSERVATION</b>	
<b>INDOOR WATER USE (CGC 5.303)</b>	
<b>Meters.</b> Separate meters shall be installed for the uses described in Sections 503.1.1 through 503.1.2.	<input type="checkbox"/>
<b>Buildings in excess of 50,000 square feet.</b> Separate submeters shall be installed as follows: 1. For each individual leased, rented or other tenant space within the building projected to consume more than 100 gal/day. 2. For spaces used for laundry or cleaners, restaurant or food service, medical or dental office, laboratory or beauty salon or barber shop projected to consume more than 100 gal/day. <b>Excess consumption.</b> Any building within a project or space within a building that is projected to consume more than 1,000 gal/day.	<input type="checkbox"/>
<b>20 percent savings.</b> A schedule of plumbing fixtures and fixture fittings that will reduce the overall use of potable water within the building by 20 percent shall be provided per CGC 5.303.2. (Calculate savings by Water Use Worksheets)	<input type="checkbox"/>
<b>Multiple showerheads serving one shower.</b> When single shower fixtures are served by more than one showerhead, the combined flow rate of all the showerheads shall not exceed the maximum flow rates specified in the 20 percent reduction column contained in Table 5.303.2.3 or the shower shall be designed to only allow one showerhead to be in operation at a time (CGC 5.303.2.1).	<input type="checkbox"/>
<b>Wastewater reduction.</b> Each building shall reduce the generation of wastewater by one of the methods per CGC 5.303.4.	<input type="checkbox"/>
<b>Plumbing fixtures and fittings.</b> Plumbing fixtures (water closets and urinals) and fittings (faucets and showerheads) shall comply with the requirements listed for each type in Items listed in Table 5.303.6: 1. Water closets (toilets) – flushometer valve type single or dual flush, maximum flush volume 2. Water closets (toilets) – tank type 3. Urinals, maximum flush volume 4. Urinals, non-water urinals 5. Public lavatory faucets : Maximum flow rate-0.5 gpm 6. Public metering self-closing faucets : Maximum flow rate-0.25 gallon per cycle 7. Residential bathroom lavatory sink faucets: Maximum flow rate-1.5 gpm	<input type="checkbox"/>

<b>OUTDOOR WATER USE (CGC 5.304)</b>	
<b>Water budget.</b> A water budget shall be developed for landscape irrigation use per CGC 5.304.1.	<input type="checkbox"/>
<b>Outdoor potable water use.</b> For new water service, separate meters or submeters shall be installed for indoor and outdoor potable water use for landscaped areas between 1,000 square feet and 5,000 square feet per CGC 5.304.2.	<input type="checkbox"/>
<b>Irrigation design.</b> In new nonresidential projects with between 1,000 and 2,500 square feet of landscaped area (the level at which the MLO applies), install irrigation controllers and sensors which include the following criteria and meet manufacturer's recommendations CGC 5.304.3.	<input type="checkbox"/>
<b>Irrigation controllers.</b> Automatic irrigation system controllers installed at the time of final inspection shall comply with CGC 5.304.3.1.	<input type="checkbox"/>
<b>WEATHER RESISTANCE AND MOISTURE MANAGEMENT (CGC 5.407)</b>	
<b>Weather protection.</b> Provide a weather-resistant exterior wall and foundation envelope as required by California Building Code Section 1403.2 and California Energy Code Section 150, manufacturer's installation instructions or local ordinance, whichever is more stringent.	<input type="checkbox"/>
<b>Moisture control.</b> Employ moisture control measures by the following methods: <b>Sprinklers.</b> Prevent irrigation spray on structures per CGC 5.407.2.1. <b>Entries and openings.</b> Design exterior entries and openings to prevent water intrusion into buildings per CGC 5.407.2.2.	<input type="checkbox"/>
<b>CONSTRUCTION WASTE REDUCTION, DISPOSAL AND RECYCLING (CGC 5.408)</b>	
<b>Construction waste diversion.</b> Comply with Solano County Construction and Demolition Debris Recycling Program	<input type="checkbox"/>
<b>Verification of compliance.</b> A copy of the completed waste management report shall be provided.	<input type="checkbox"/>
<b>BUILDING MAINTENANCE AND OPERATION (CGC 5.410)</b>	
<b>Recycling by occupants.</b> Provide readily accessible areas that serve the entire building and are identified for the depositing, storage and collection of nonhazardous materials for recycling per CGC 5.410.1.	<input type="checkbox"/>
<b>Commissioning.</b> For new buildings 10,000 square feet and over, building commissioning for all building systems covered by T24, Part 6, process systems and renewable energy systems shall be included in the design and construction processes of the building project. Commissioning requirements shall include items listed in Section 5.410.2.	<input type="checkbox"/>
<b>Commissioning report.</b> A complete report of commissioning process activities undertaken through the design, construction and reporting recommendations for post-construction phases of the building project shall be completed and provided to the owner or representative.	<input type="checkbox"/>
<b>Testing and adjusting.</b> Testing and adjusting of systems shall be required for buildings less than 10,000 square feet per CGC 5.410.4.	<input type="checkbox"/>
<b>Operation and maintenance manual.</b> Provide the building owner with detailed operating and maintenance instructions and copies of guarantees/warranties for each system prior to final inspection per CGC 5.410.4.5.	<input type="checkbox"/>
<b>Inspections and reports.</b> Include a copy of all inspection verifications and reports required by the enforcing agency.	<input type="checkbox"/>
<b>ENVIRONMENTAL QUALITY</b>	
<b>GAS FIREPLACES (CGC 5.503)</b>	
Install only a direct-vent sealed-combustion gas or sealed wood-burning fireplace or a sealed woodstove and refer to residential requirements in the California Energy Code, Title 24, Part 6, Subchapter 7, Section 150.	<input type="checkbox"/>
<b>Woodstoves.</b> Woodstoves shall comply with US EPA Phase II emission limits.	<input type="checkbox"/>

<b>POLLUTANT CONTROL (CGC 5.504)</b>	
<b>Covering of duct openings and protection of mechanical equipment during construction.</b> At the time of rough installation or during storage on the construction site and until final startup of the heating and cooling equipment, all duct and other related air distribution component openings shall be covered with tape, plastic, sheet metal or other methods acceptable to the enforcing agency to reduce the amount of dust or debris which may collect in the system per CGC 5.504.3.	<input type="checkbox"/>
<b>Finish material pollutant control.</b> Finish materials shall comply with Sections 5.504.4.1 through 5.504.4.4.	<input type="checkbox"/>
<b>Adhesives, sealants, caulks.</b> Adhesives and sealants used on the project shall meet the requirements of the standards listed in CGC 5.504.4.1.	<input type="checkbox"/>
<b>Paints and coatings.</b> Architectural paints and coatings shall comply with Table 5.504.4.3 unless more stringent local limits apply.	<input type="checkbox"/>
<b>Verification.</b> Verification of compliance with this section shall be provided at the request of the enforcing agency.	<input type="checkbox"/>
<b>Carpet systems.</b> All carpet installed in the building interior shall meet the testing and product requirements of one of the standards listed in Section 5.504.4.4.	<input type="checkbox"/>
<b>Composite wood products.</b> Hardwood plywood, particleboard and medium density fiberboard composite wood products used on the interior or exterior of the building shall meet the requirements for formaldehyde as specified in Table 5.504.4.5.	<input type="checkbox"/>
<b>Resilient flooring systems.</b> Comply with the VOC-emission limits defined in the 2009 CHPS criteria and listed on its Low-emitting Materials List (or Product Registry) or certified under the FloorScore program of the Resilient Floor Covering Institute.	
<b>Verification of compliance.</b> Documentation shall be provided verifying that resilient flooring materials meet the pollutant emission limits.	<input type="checkbox"/>
<b>Hazardous particulates and chemical pollutants.</b> Minimize and control pollutant entry into buildings and cross-contamination of regularly occupied areas.	<input type="checkbox"/>
<b>Filters.</b> In mechanically ventilated buildings, provide regularly occupied areas of the building with air filtration media for outside and return air prior to occupancy that provides at least a MERV of 8.	<input type="checkbox"/>
<b>Responsible Designer's Declaration Statement</b>	
I hereby certify that this project has been designed to meet the requirements of the 2013 California Green Building Standards Code.	
Name: JAY MONNIN	Signature:
Date: x/x/2015	Date:
Company: KITCHELL CEM	License:
Address: 2750 GATEWAY OAKS DRIVE, SUITE 300 SACRAMENTO, CA 95833	Address:
<b>Contractor Declaration Statement</b>	
I hereby certify, as the builder or installer under permit listed herein, that this project will be constructed to meet the requirements of the California Green Building Standards Code.	
Name:	Signature:
Date:	Date:
License:	License:
Address:	Address:

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Capital Expenditure Managers  
Gateway Oaks Drive  
Suite 300  
Sacramento, CA. 95833  
(916) 648-9700



BUTTE REGIONAL TRANSIT OPERATIONS CENTER  
326 HUSS LANE, CHICO CA  
BUTTE COUNTY ASSOCIATION OF GOVERNMENTS

NOT FOR CONSTRUCTION

PROJECT STATUS:  
50% CONSTRUCTION DOCUMENTS  
BUILDINGS:

SHEET TITLE:  
COVER SHEET  
SCALE: 0 1/2 1  
BASE IS ONE FOOT ON ORIGINAL DRAWING. IF NOT ONE FOOT ON THIS SHEET, ADJUST SCALES ACCORDINGLY.

No.	Description	Date

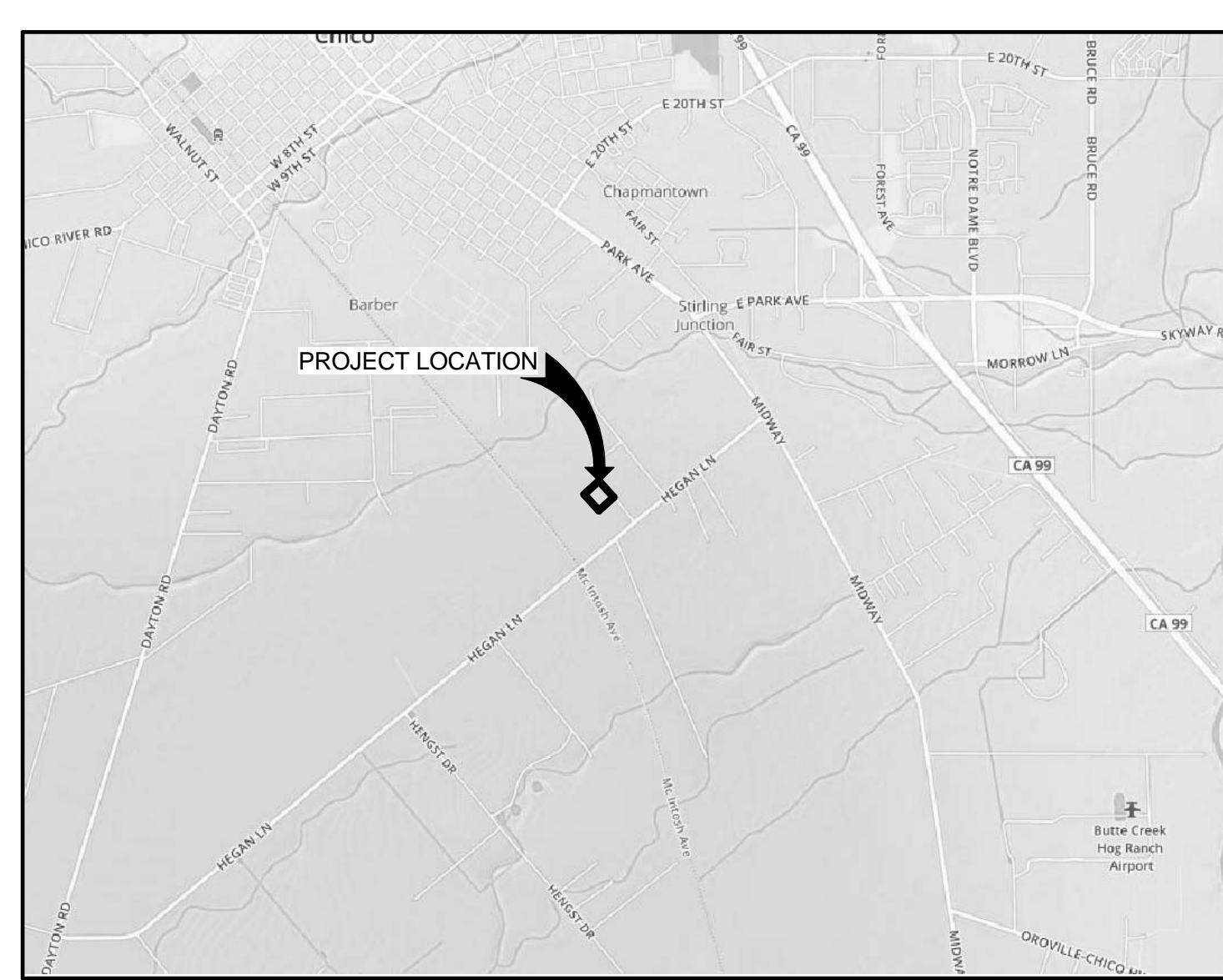
JOB NO. 5006A3  
DATE 8/26/15  
SHEET  
**G001**

### PROJECT SCOPE

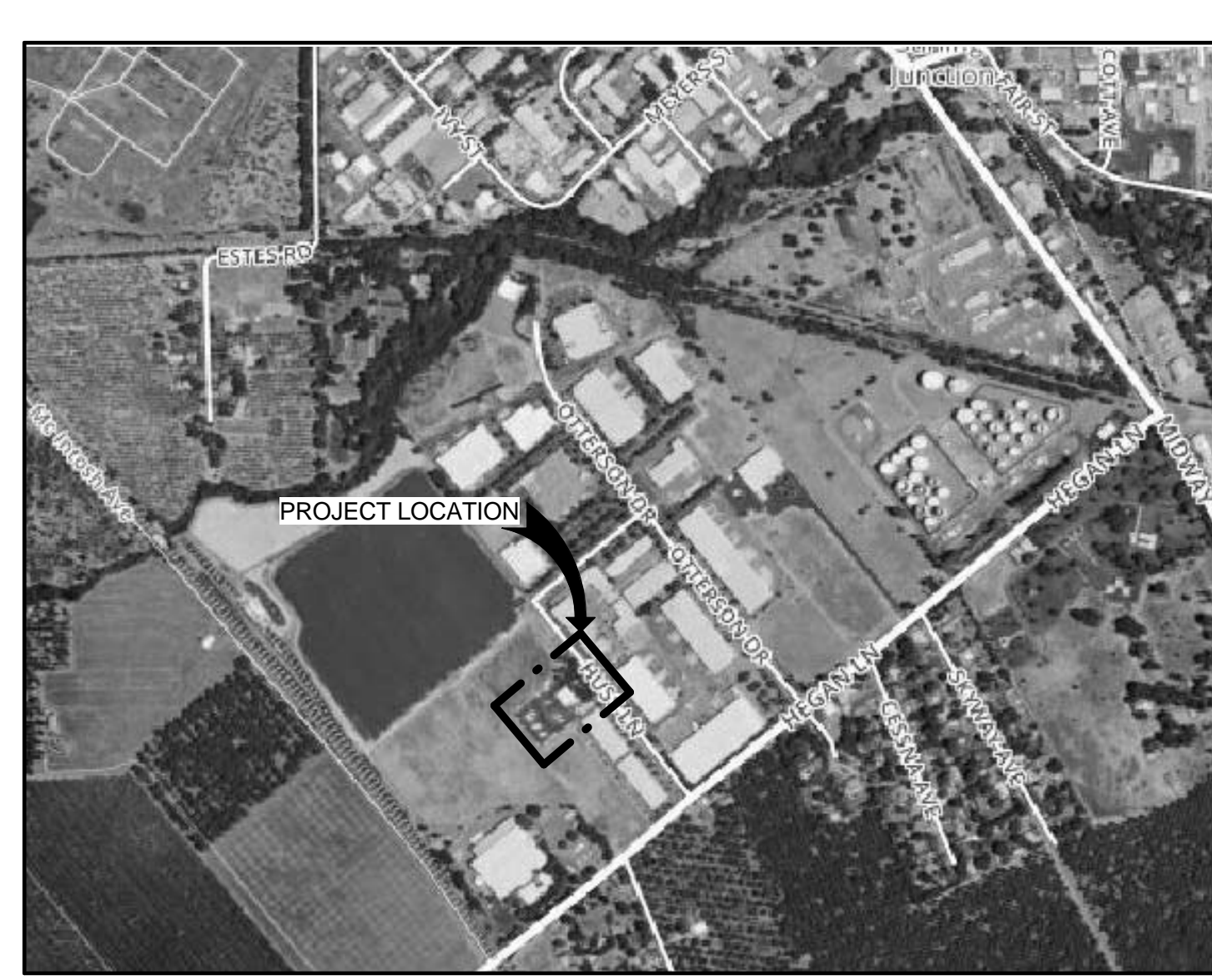
THIS PROJECT IS FOR THE RENOVATION OF THE EXISTING BUS MAINTENANCE AND TRANSIT OPERATIONS CENTER FOR THE BUTTE COUNTY ASSOCIATIONS OF GOVERNMENTS. THE SCOPE INCLUDES THE REMOVAL OF ALL EQUIPMENT AND NON-STRUCTURAL WALLS AT THE BUILDING INTERIOR AND THE REMOVAL OF ALL ROOF MOUNTED EQUIPMENT. NEW CONSTRUCTION INCLUDES NEW WALLS AND EQUIPMENT AS INDICATED ON THE PLANS. SITE WORK IS LIMITED TO WHAT IS DEPICTED ON THE PLANS. MOST SITE IMPROVEMENTS ARE TO OCCUR UNDER A SEPARATE PERMIT PRIOR TO THE RENOVATION OF THIS BUILDING.

### CONSULTANT

ARCHITECTURAL, STRUCTURAL, MECHANICAL, & ELECTRICAL:  
**KITCHELL CEM**  
2750 GATEWAY OAKS DR SUITE 300  
SACRAMENTO, CA 95833  
PH. 916.648.9700  
FAX 916.648.6534  
PROJECT ARCHITECT: JAY MONNIN, R.A.  
STRUCTURAL ENGINEER: DANNY VANG, P.E.  
MECHANICAL ENGINEER: NGUYEN TRAN, P.E.  
ELECTRICAL ENGINEER: GERALD NEUFFER, P.E.



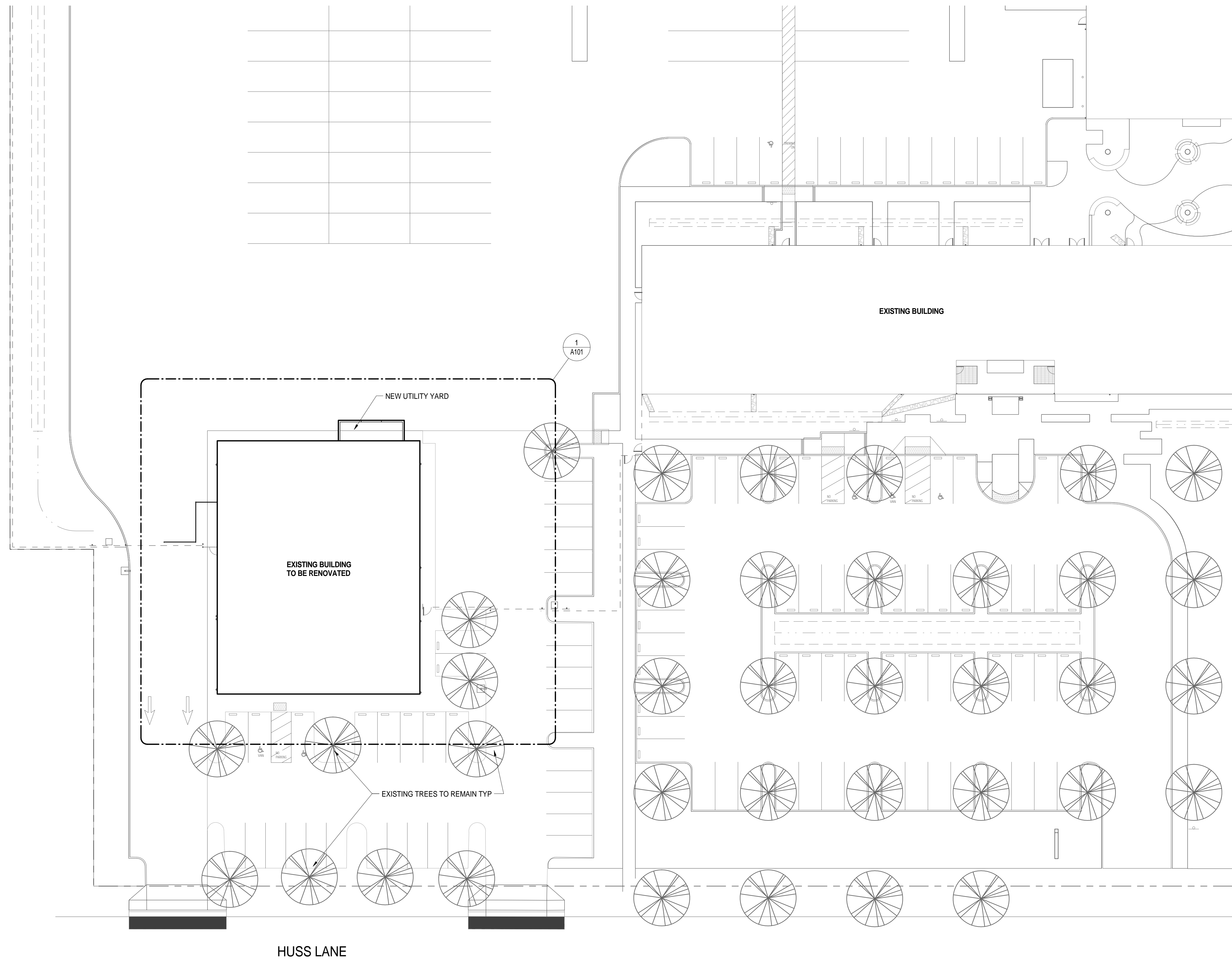
VICINITY MAP  
NTS



LOCATION MAP  
NTS



**NOTE:**  
ALL SITE WORK NOT SHOWN IN  
THESE DOCUMENTS ARE UNDER  
SEPARATE PERMIT.



1 SITE PLAN  
1" = 20'-0"



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CENTER  
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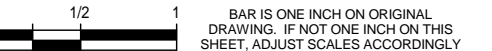
50% CONSTRUCTION  
DOCUMENTS

BUILDINGS:

SHEET TITLE:

ARCHITECTURAL SITE  
PLAN

SCALE:



REVISIONS

No.	Description	Date

JOB NO.

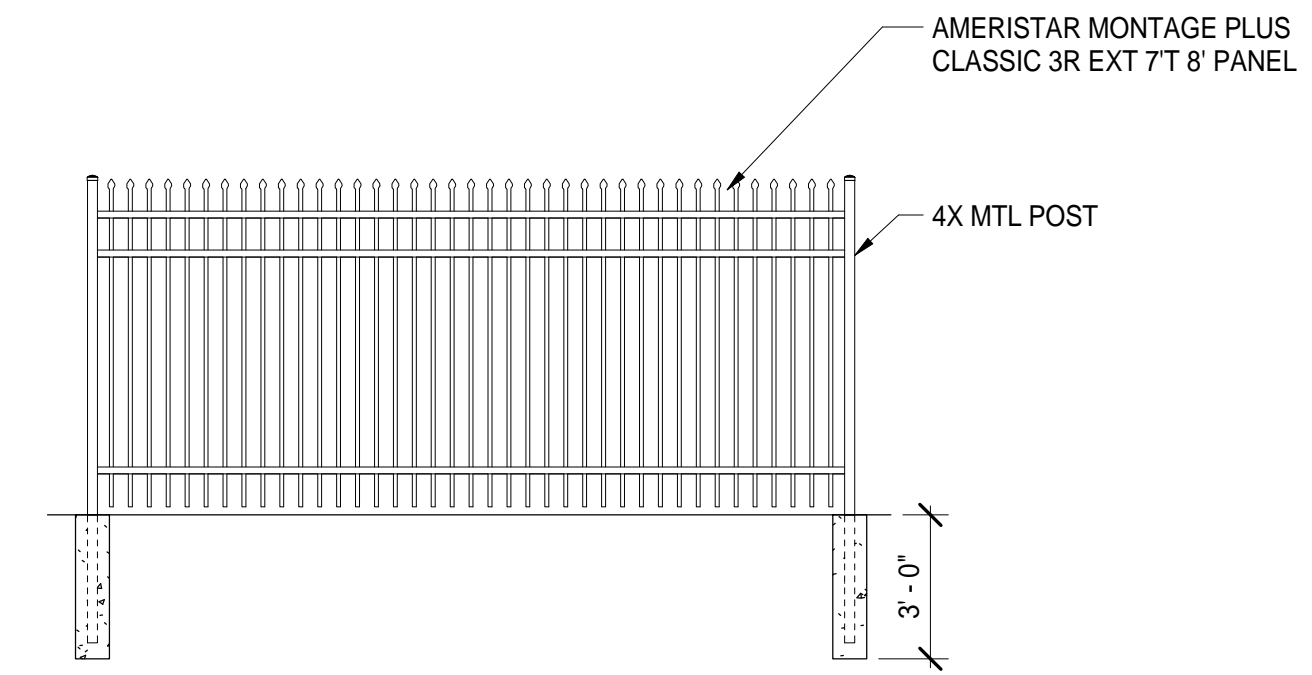
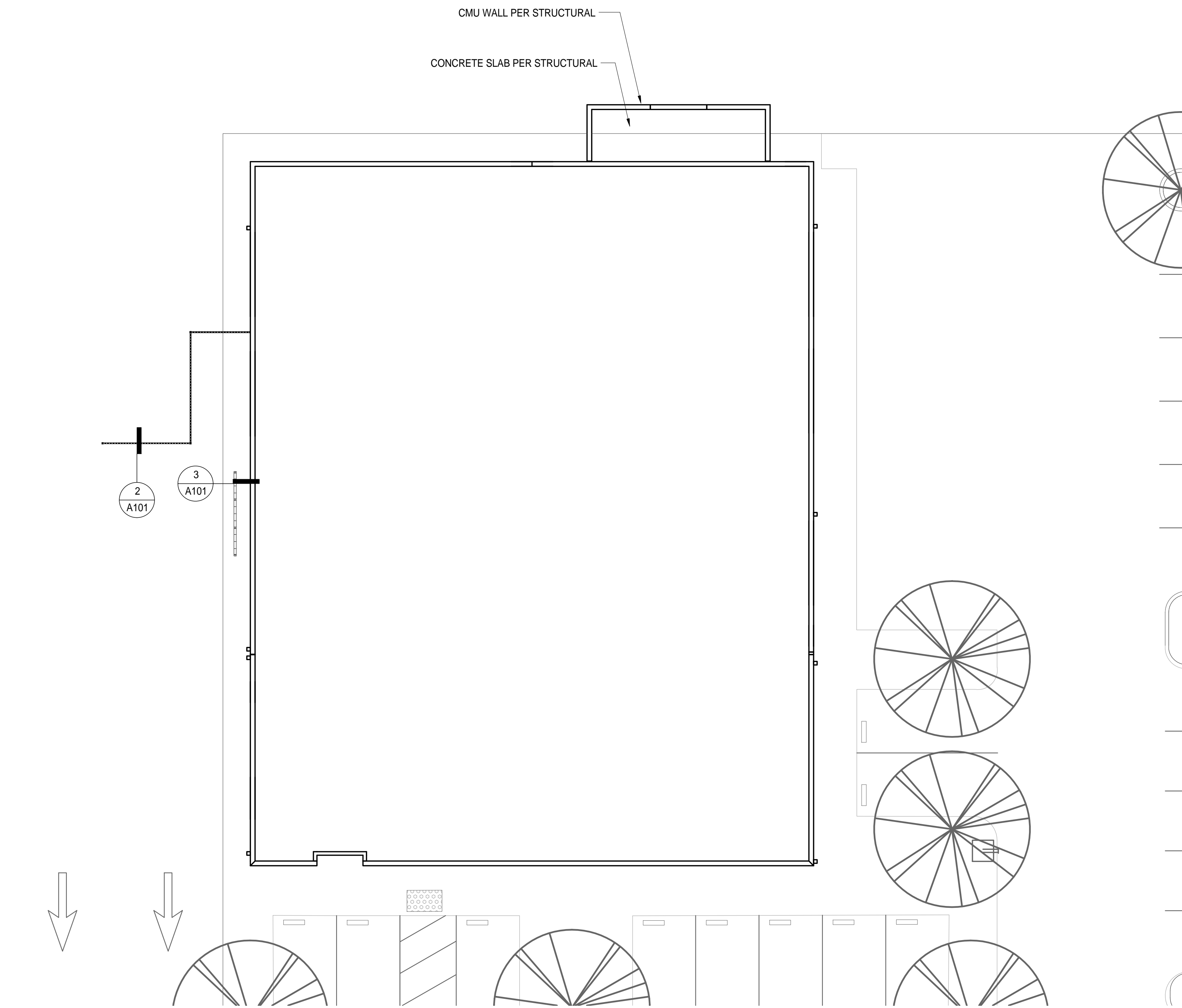
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DATE

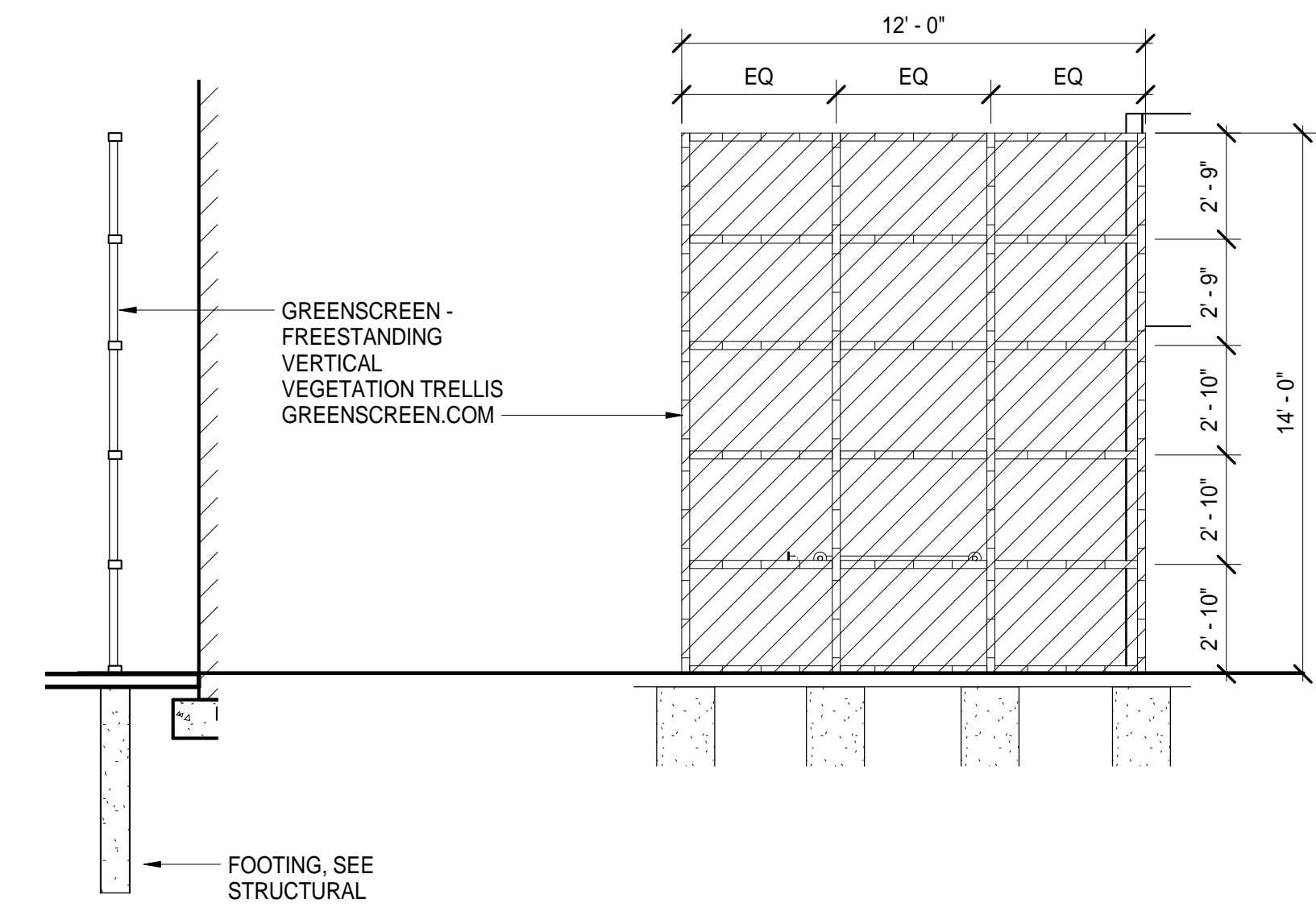
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SHEET

**A100**



2 ORNAMENTAL FENCE DETAIL  
1/4" = 1'-0"



3 VEGETATION TRELLIS DETAIL  
1/4" = 1'-0"



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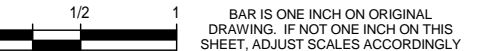
50% CONSTRUCTION DOCUMENTS

BUILDINGS:

SHEET TITLE:

ENLARGED SITE PLAN

SCALE:



REVISIONS

No.	Description	Date

JOB NO.

5006A3

DATE

8/26/15

SHEET

**A101**




# KEYNOTES

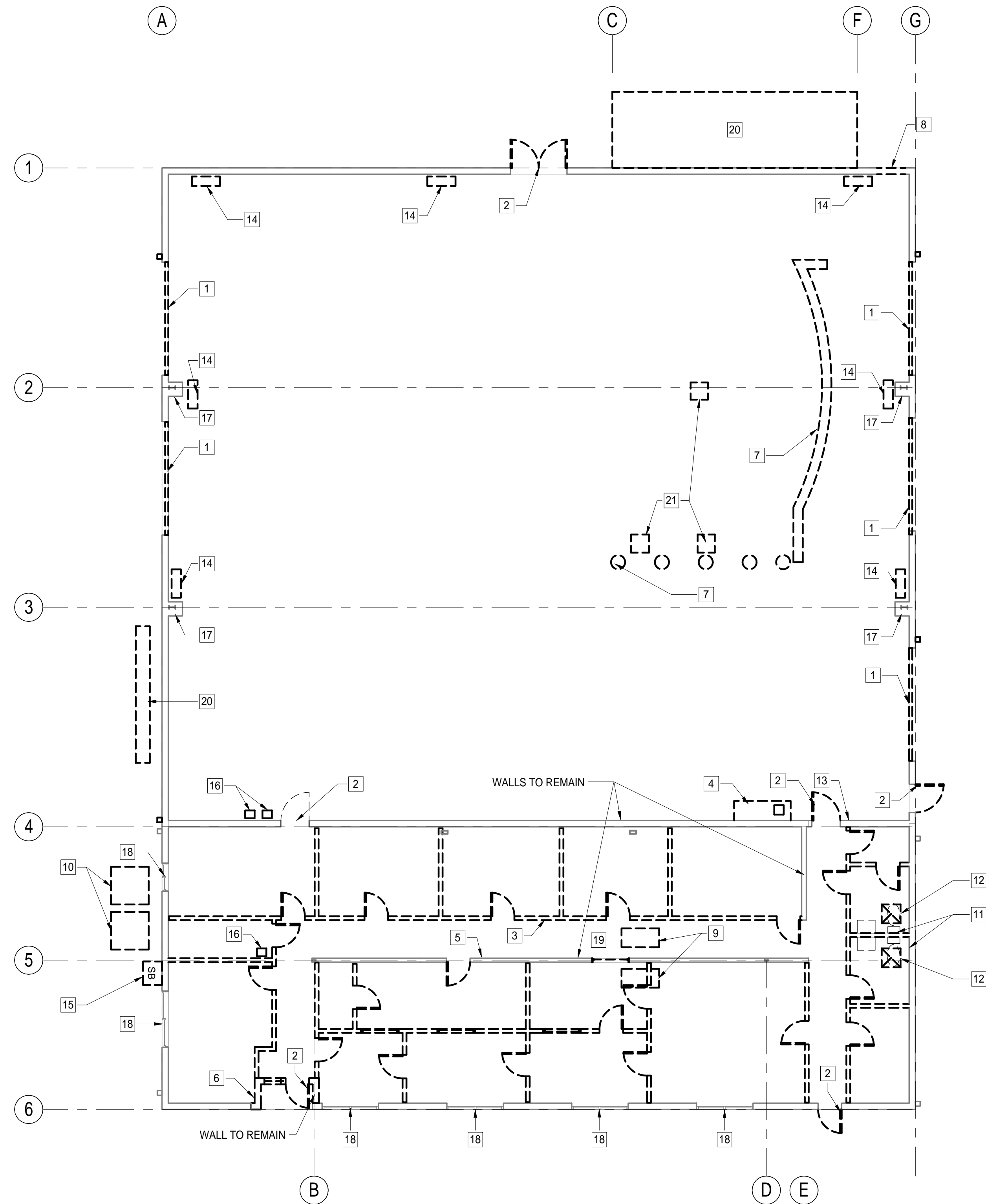
- 1 (E) ROLL UP DOOR TO BE REMOVED IN ITS ENTIRETY AND TURNED OVER TO THE COUNTY.
- 2 (E) DOOR TO BE REMOVED.
- 3 (E) INTERIOR WALLS TO BE REMOVED IN THEIR ENTIRETY UNLESS NOTED.
- 4 (E) WASH STATION TO BE REMOVED.
- 5 ALL CEILING & ASSOCIATED LIGHTS, DIFFUSERS, ETC TO BE REMOVED.
- 6 (E) WALL TO BE REMOVED.
- 7 DEMOLISH (E) SLAB AS SHOWN.
- 8 DEMOLISH (E) CMU WALL AS REQUIRED FOR (N) DOOR.
- 9 DEMOLISH (E) FURNACE UNIT, DUCTWORK, AND ALL ASSOCIATED REFRIGERANT PIPING, GAS PIPING, AND CONTROLS.
- 10 DEMOLISH (E) CONDENSING UNIT AND ALL ASSOCIATED REFRIGERANT PIPING AND CONTROLS.
- 11 DEMOLISH (E) PLUMBING FIXTURES, REMOVE ALL ASSOCIATED PIPING.
- 12 DEMOLISH (E) CEILING EXHAUST JAMS, REMOVE ALL ASSOCIATED DUCTWORK AND CONTROLS.
- 13 DEMOLISH (E) ELECTRIC WATER HEATER, REMOVE ALL ASSOCIATED PIPING AND CONTROLS.
- 14 DEMOLISH (E) GAS UNIT HEATERS (TYP. OF 6) AND REMOVE ALL ASSOCIATED GAS PIPING AND CONTROLS.
- 15 (E) MAIN SERVICE SWITCHBOARD TO BE DEMOLISHED.
- 16 (E) PANELS TO BE DEMOLISHED.
- 17 (E) METAL STRUCTURAL FRAME TO REMAIN.
- 18 (E) WINDOW / STOREFRONT TO BE REMOVED. PATCH / REPAIR OPENING TO RECEIVE (N) WINDOW.
- 19 (E) PLATFORM ABOVE CEILING TO REMAIN.
- 20 DEMOLISH (E) ASPHALT & CONCRETE AS REQUIRED FOR (N) UTILITY YARD.
- 21 DEMOLISH AS REQUIRED FOR FLOOR BOX, INCLUDING TRENCHING TO LOCATION.

GENERAL NOTES:

1. CONTRACTOR TO CHECK AND FIELD VERIFY ALL DIMENSION AND CONDITIONS AT JOB SITE AND NOTIFY ARCHITECT OF ANY DISCREPANCIES BETWEEN DRAWINGS AND FIELD CONDITIONS BEFORE COMMENCING ANY WORK.
2. CONTRACTOR TO NOTIFY ARCHITECT AND OWNER OF ANY DRY ROT THAT MAY BE DISCOVERED DURING DEMO.
3. CONTRACTOR TO REPAIR IN-KIND ANY AREAS DAMAGED DURING REMOVAL AND DEMO OF (E) ROOFING ASSEMBLY.
4. CONTRACTOR SHALL COORDINATE ALL UTILITY DISCONNECTS/INTERRUPTIONS WITH OWNER MINIMUM 2 WEEKS PRIOR TO START OF WORK.
5. DEMOLITION AND DEVELOPMENT ACTIVITIES LOCATED BETWEEN GRIDS 4 & 6 ARE PART OF BID ALTERNATE 1.

LEGEND:

-  EXISTING WALL TO BE REMOVED
-  EXISTING WALL TO REMAIN
-  EXISTING DOOR TO BE REMOVED



1 DEMO PLAN  
1/8" = 1'-0"

NOT FOR CONSTRUCTION

PROJECT STATUS:

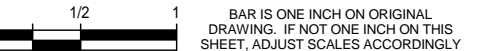
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BUILDINGS:

SHEET TITLE:

DEMO FLOOR PLAN

SCALE:



REVISIONS

No.	Description	Date

JOB NO.

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DATE

8/26/15

SHEET

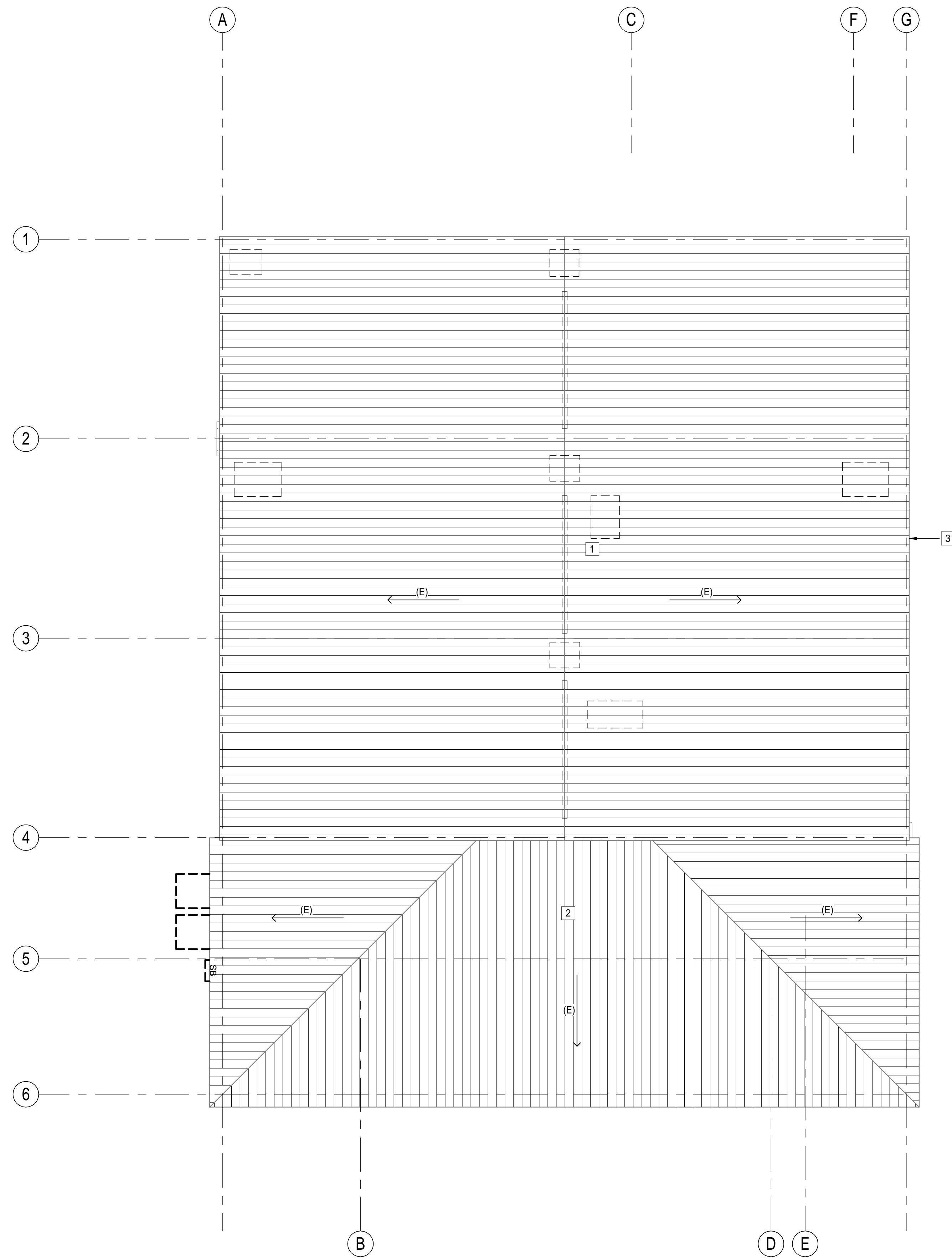
AD201

# **KEYNOTES**

- 1 DEMOLISH ALL HVAC & EXHAUST EQUIPMENT FROM ROOF IN THEIR ENTIRETY. ALL ITEMS REMOVED THAT LEAVE AN OPENING IN THE ROOF TO BE FILLED TO MATCH (E) ROOF SECTION. METAL ROOF PANEL ON TOP TO BE REPLACED W/ A (N) PANEL TO MATCH.
- 2 LOW ROOF AREA HAS NO DEMOLITION SCOPE. GUTTERS & DOWNSPOUTS TO REMAIN.
- 3 (E) GUTTERS & DOWNSPOUTS TO BE REMOVED.

**GENERAL NOTES:**

1. ALL ITEMS SHOWN ON PLAN TO BE REMOVED ARE DIAGRAMMATIC & LOCATIONS ARE APPROXIMATE.
2. GC TO FIELD VERIFY QUANTITY OF ITEMS TO BE REMOVED FROM ROOM AND TO COORDINATE WITH OWNER WHAT IS TO BE SALVAGED FOR FUTURE USE.



1 DEMO ROOF PLAN  
 1/8" = 1'-0"

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 DOCUMENTS**

BUILDINGS:

SHEET TITLE:

**DEMO ROOF PLAN**

SCALE: 0 1/2 1  
BAR IS ONE FOOT ON ORIGINAL DRAWING. IF NOT ONE FOOT ON THIS SHEET, ADJUST SCALES ACCORDINGLY.

**REVISIONS**

No.	Description	Date

JOB NO.

5006A3

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SHEET

**AD230**

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PROJECT STATUS:

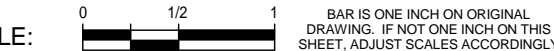
50% CONSTRUCTION  
DOCUMENTS

BUILDINGS:

SHEET TITLE:

FLOOR PLAN

SCALE:



REVISIONS

No.	Description	Date

JOB NO.

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SHEET

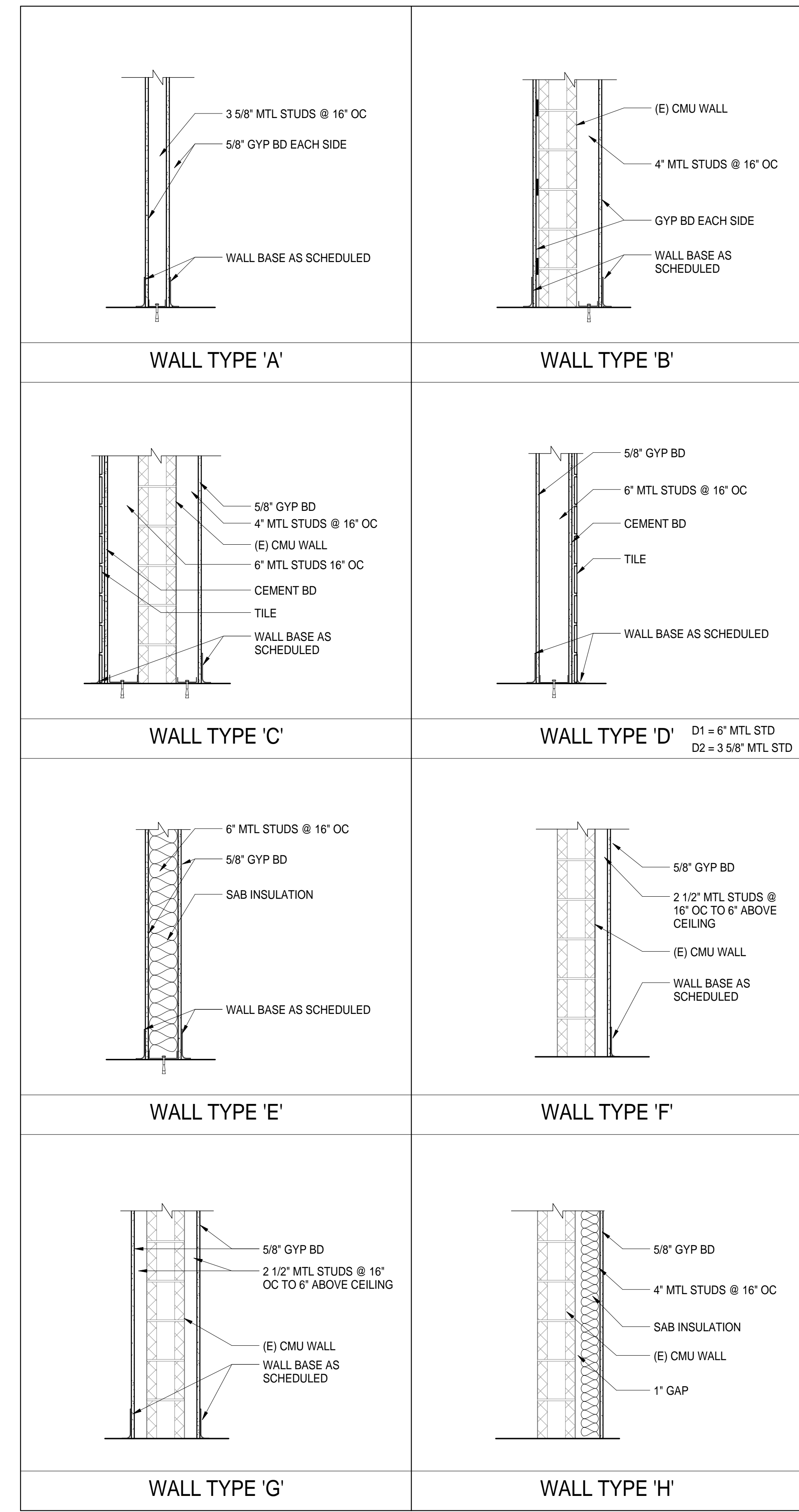
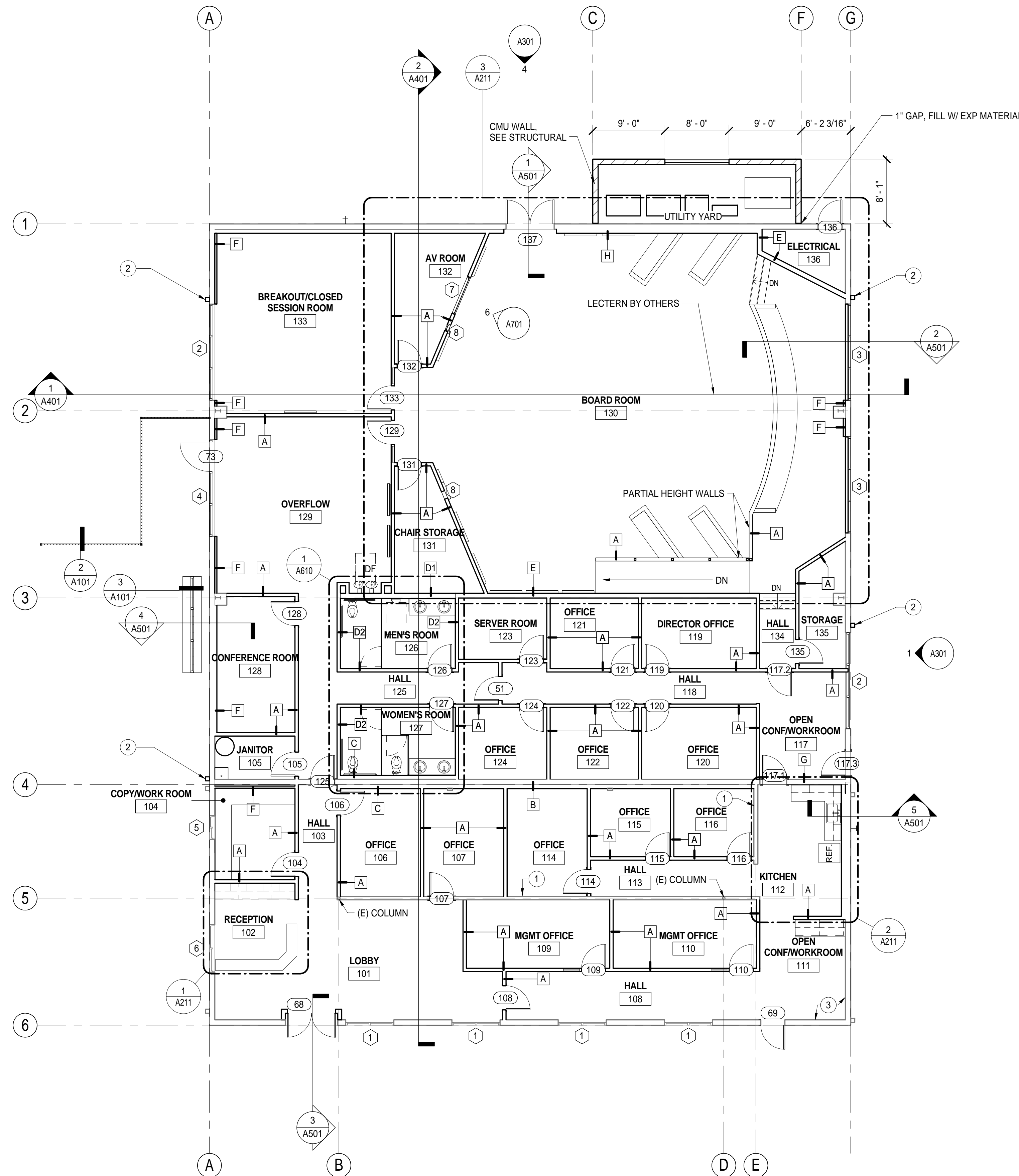
**A201**

GENERAL NOTES:

1. WHILE JANITOR 105, CONFERENCE ROOM 128, HALL 125, HALL 134, STORAGE 135, AND RESTROOMS 126-127 ARE PART OF THE BASE SCOPE OF WORK, ALL OTHER SCOPE BETWEEN GRIDS 4&6 ARE PART OF BID ALTERNATE 1.

# KEYNOTES

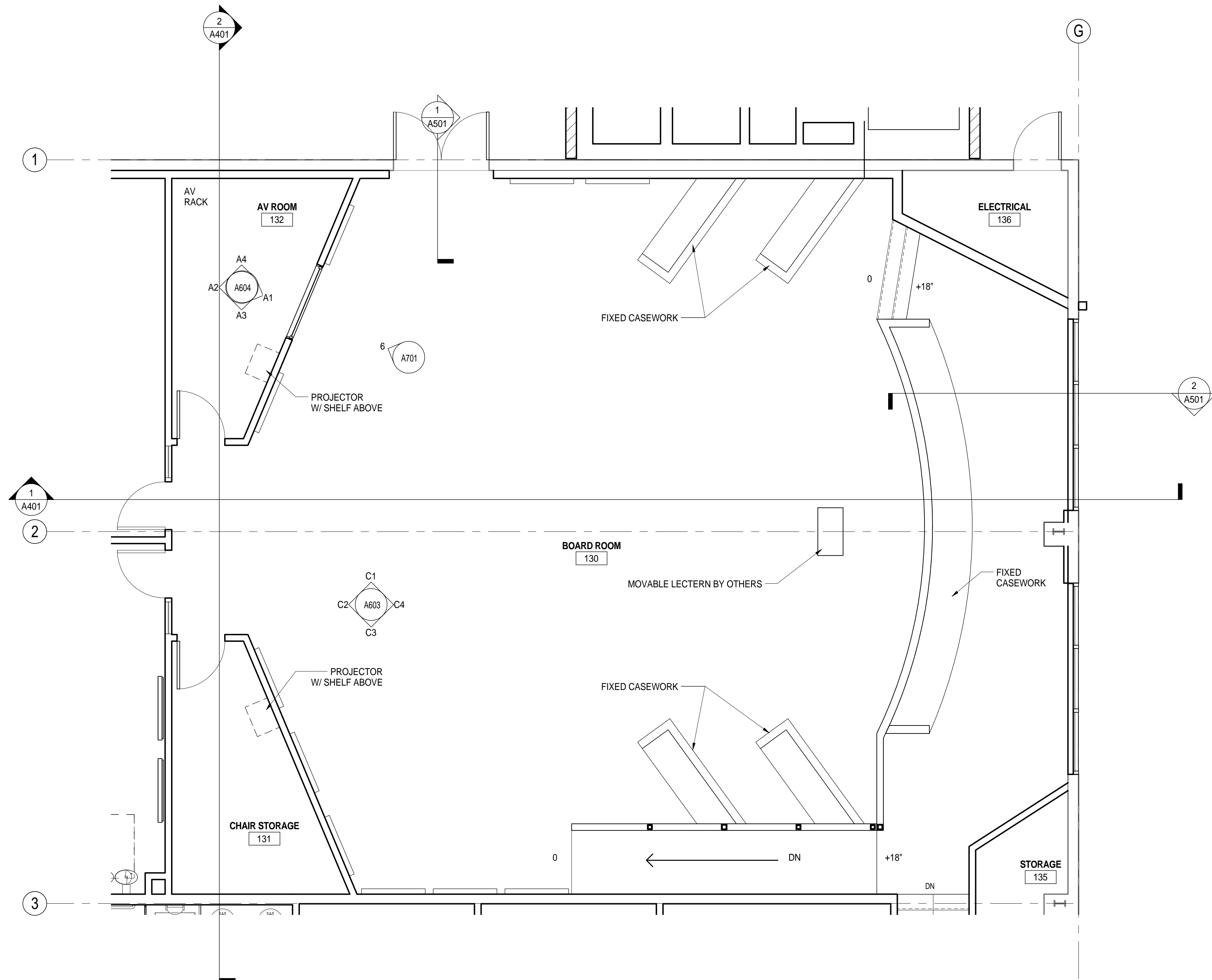
- 1 (E) LOAD BEARING WALL TO REMAIN. GC TO PROTECT DURING CONSTRUCTION AND TO REPAIR AS NECESSARY BASED ON SCOPE OF (N) CONSTRUCTION. INSTALL (N) FINISH MATERIALS (GYPSUM BOARD, WALL BASE, PAINT, STC.) AS REQUIRED TO MATCH (N) DESIGN.
- 2 (N) DOWNSPOUTS. REMOVE (E) DOWNSPOUT AND REPLACE. GC TO COORDINATE WITH ARCHITECT ON POSITION OF DOWNSPOUTS BASED ON ROOFING CONTRACTOR RECOMMENDATIONS.
- 3 EXISTING EXTERIOR WALL TO HAVE (N) PLYWOOD INSTALLED FOR STRUCTURAL DRAWINGS. REMOVE (E) GYPSUM AT WALL INTERIOR AND INSTALL (N) GYPSUM BOARD OVER (N) PLYWOOD.



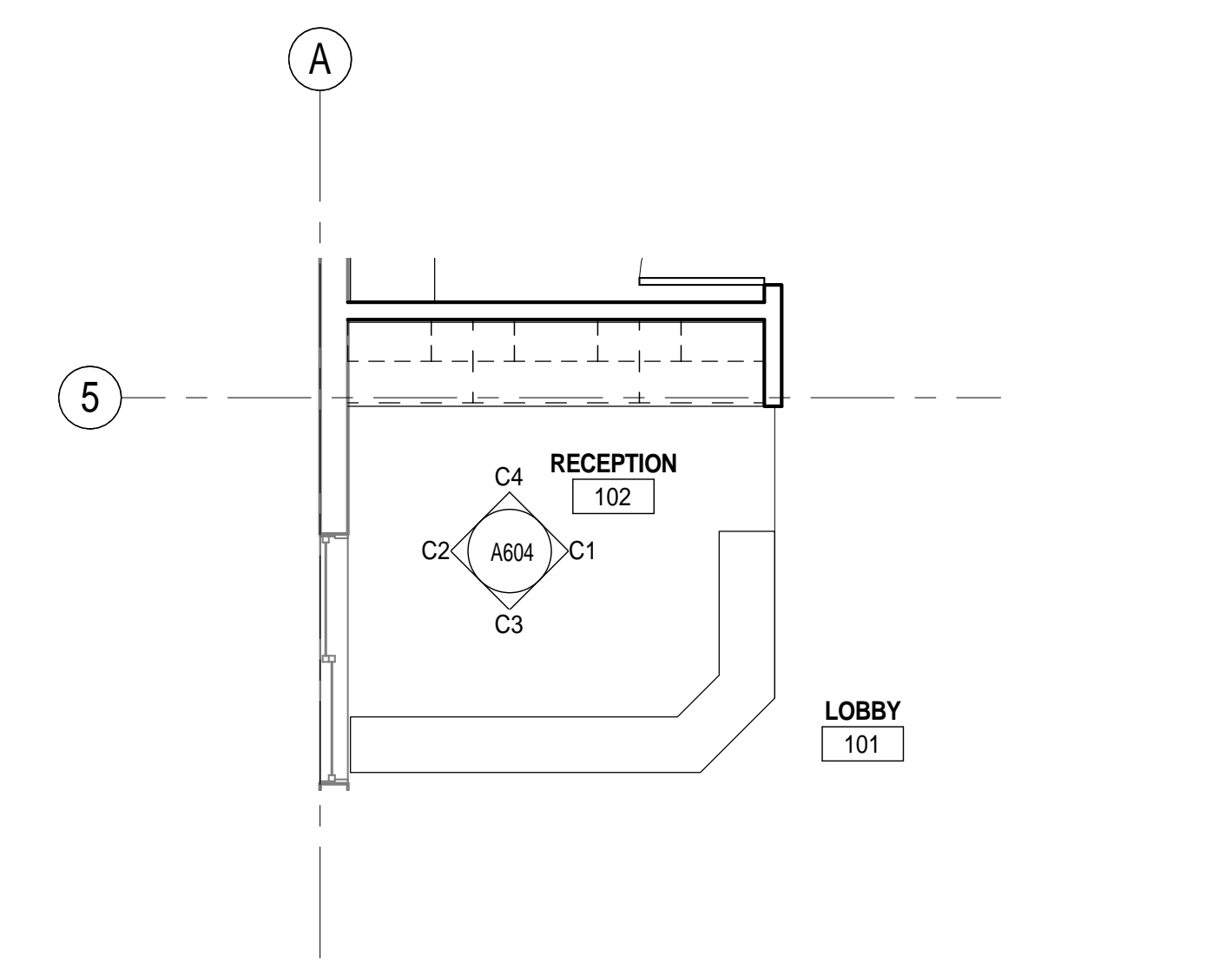
1 FLOOR PLAN  
1/8" = 1'-0"

2 ARCHITECTURAL WALL TYPES  
3/4" = 1'-0"

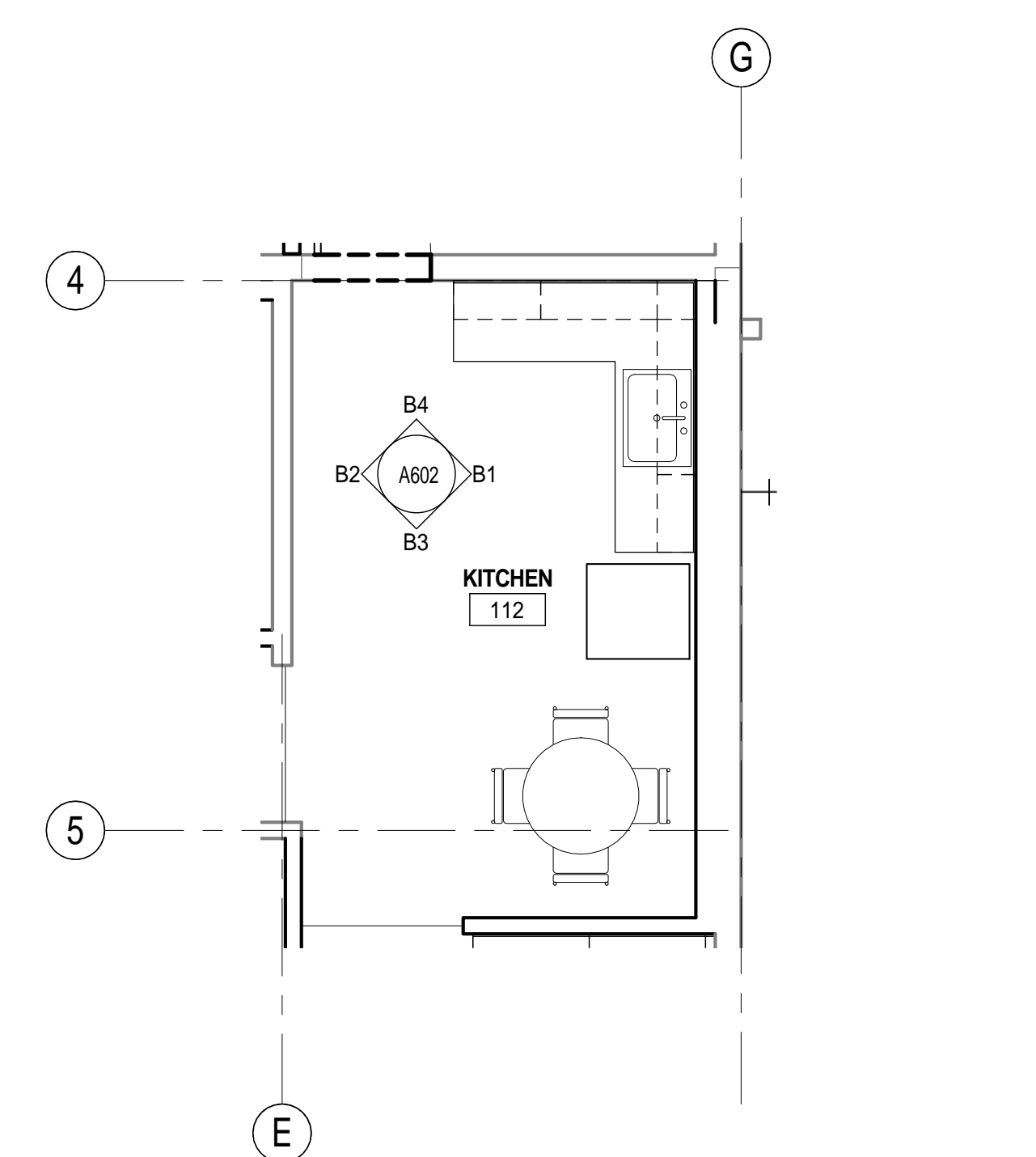
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3 ENLARGED COUNCIL CHAMBERS PLAN  
1/4" = 1'-0"



1 ENLARGED RECEPTION PLAN  
1/4" = 1'-0"



2 ENLARGED KITCHEN PLAN  
1/4" = 1'-0"

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ENLARGED FLOOR PLANS  
SCALE: 1/4" = 1'-0"

REVISIONS

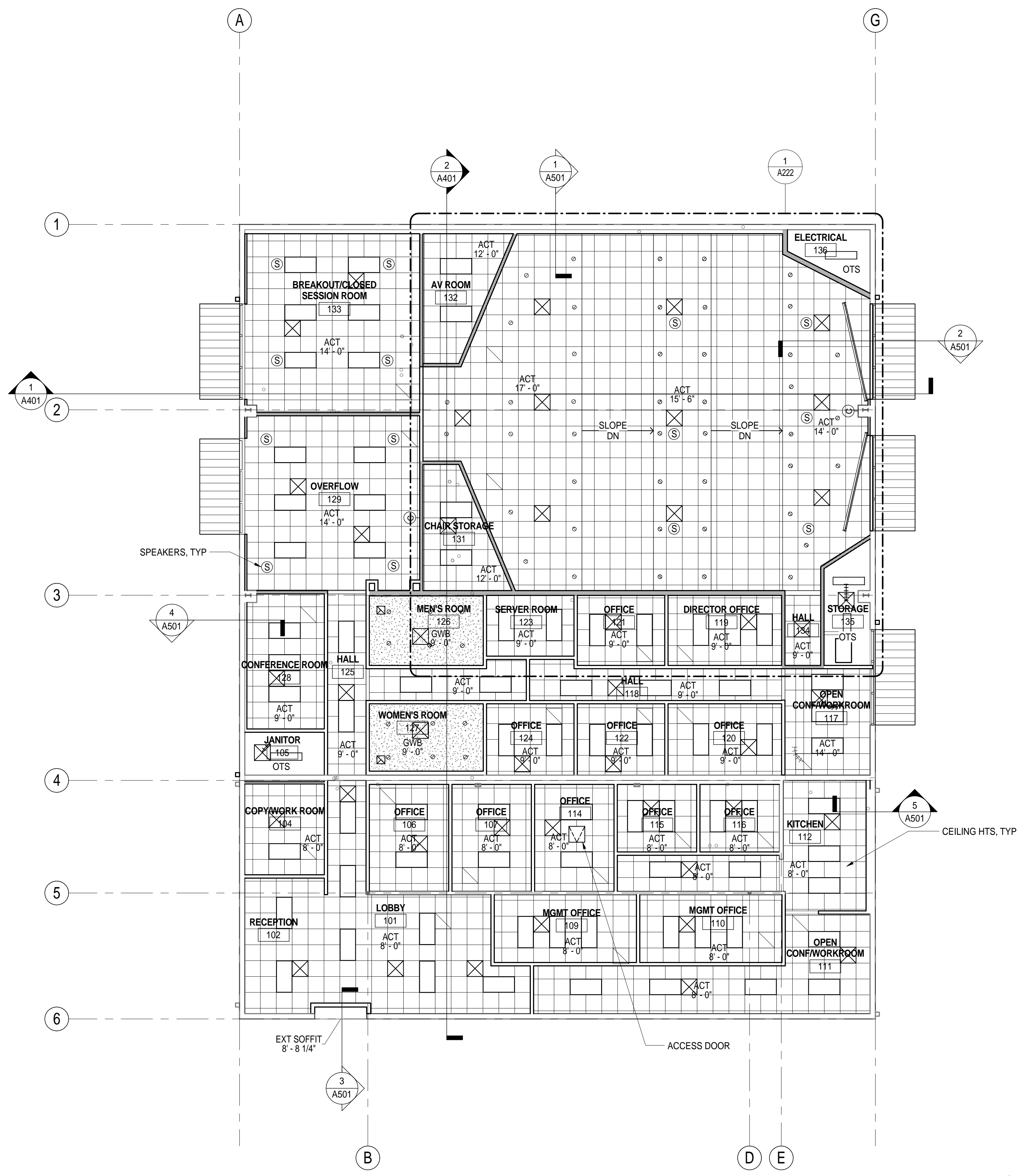
No.	Description	Date

JOB NO. 5006A3  
DATE 8/26/15  
SHEET  
**A211**



**RCP LEGEND**

DESCRIPTION	SYMBOL
AIR RETURN	□
AIR SUPPLY	⊗
EXHAUST FAN	⊠
CEILING MOUNTED CAMERA (BY OTHERS)	📷
SMOKE DETECTOR	Ⓧ
CEILING SPEAKER	Ⓢ
EXIT SIGN	Ⓧ
DOWN LIGHT	○
2X2 ACOUSTICAL T-BAR	⊠
1X4 CHAIN SUSPENDED LIGHT	▭
2X4 LIGHT	▭
FULL HT WALL	—
WALL HT 6' ABV ADJACENT CLG	—



1 REFLECTED CEILING PLAN  
1/8" = 1'-0"

LAST REVISION: 8/25/2015 5:52:47 PM



BUTTE REGIONAL TRANSIT OPERATIONS  
CENTER  
326 HUSS LANE, CHICO CA

BUTTE COUNTY ASSOCIATION OF  
GOVERNMENTS

NOT FOR CONSTRUCTION

PROJECT STATUS:

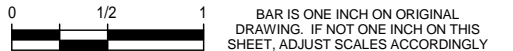
50% CONSTRUCTION  
DOCUMENTS

BUILDINGS:

SHEET TITLE:

REFLECTED CEILING  
PLAN

SCALE:



**REVISIONS**

No.	Description	Date

JOB NO.

5006A3

DATE

8/26/15

SHEET

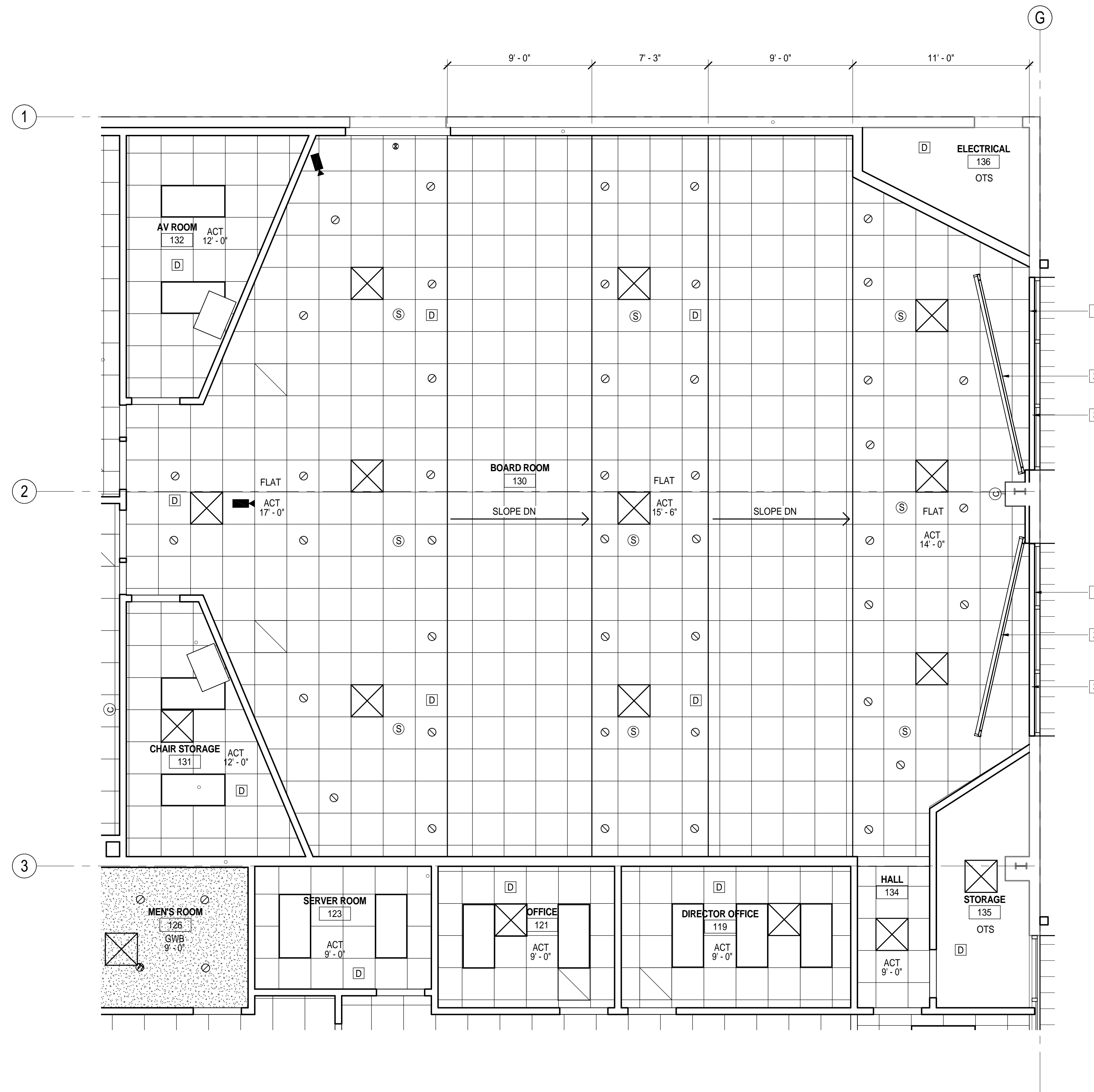
**A221**

# KEYNOTES

- 1 MECHANICAL WINDOW SHADE ATTACH TO UNDERSIDE OF OPENING.
- 2 OVERHEAD PROJECTOR SCREEN.
- 3 MECHANICAL SHADE MOUNT WITHIN CMU OPENING.

GENERAL NOTE:

1. ACOUSTIC CEILING TILE TO BE ECHOPHON GEDINA



RCP LEGEND

DESCRIPTION	SYMBOL
AIR RETURN	◻
AIR SUPPLY	⊗
EXHAUST FAN	⊗
CEILING MOUNTED CAMERA (BY OTHERS)	📷
SMOKE DETECTOR	D
CEILING SPEAKER	⊙
EXIT SIGN	⊙
DOWN LIGHT	⊙
2X2 ACOUSTICAL T-BAR	⊠
1X4 CHAIN SUSPENDED LIGHT	▭
2X4 LIGHT	▭
FULL HT WALL	▨
WALL HT 6' ABV ADJACENT CLG	▨



BUTTE REGIONAL TRANSIT OPERATIONS CENTER  
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PROJECT STATUS:

50% CONSTRUCTION DOCUMENTS

BUILDINGS:

SHEET TITLE:

ENLARGED CEILING PLAN

SCALE: 0 1/2 1

REVISIONS

No.	Description	Date

JOB NO.

5006A3

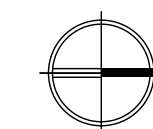
DATE

8/26/15

SHEET

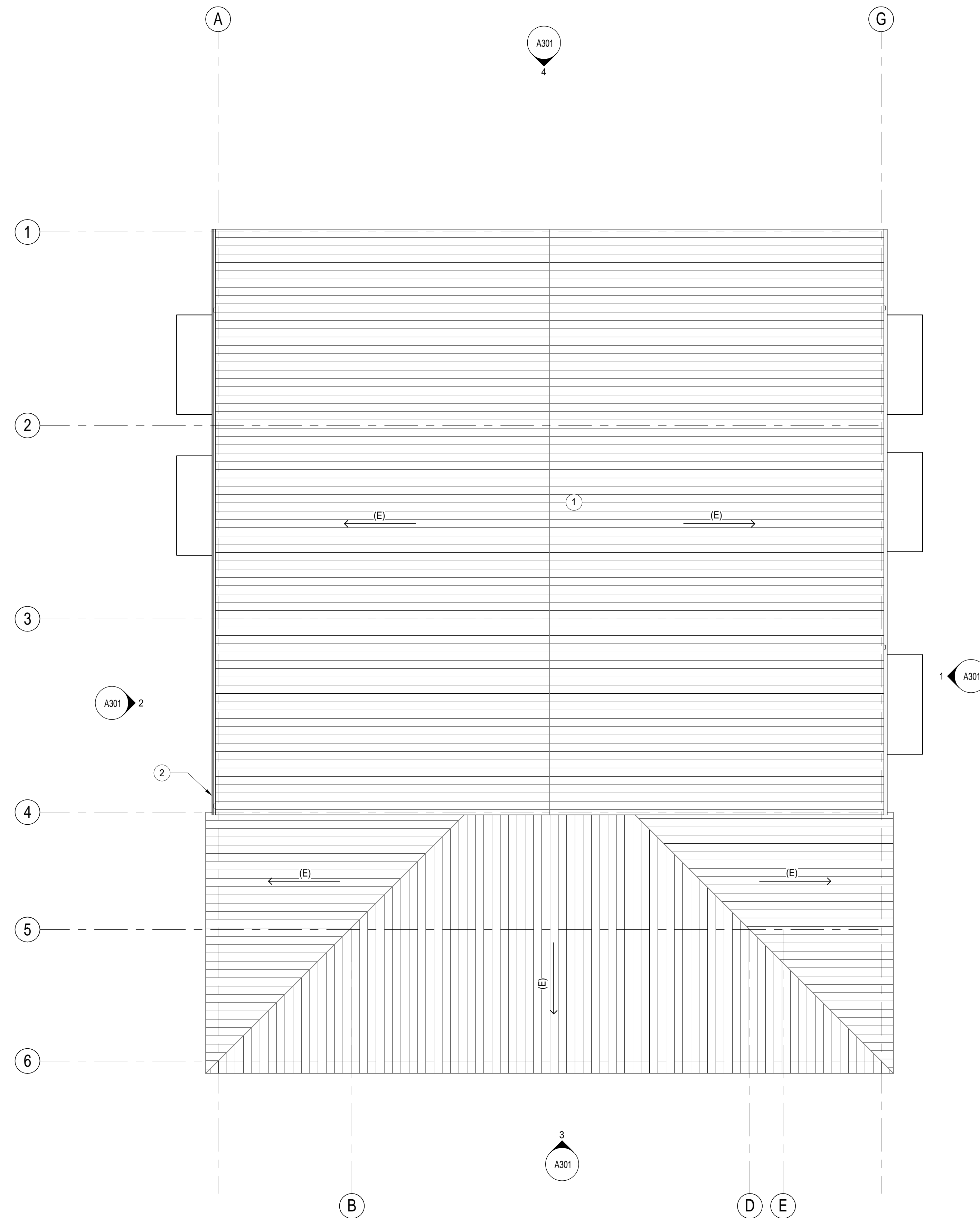
A222

1 ENLARGED CEILING PLAN  
1/4" = 1'-0"



# KEYNOTES

- 1 ALL REMAINING ROOF PENETRATIONS TO BE FILLED AND SEALED TO MATCH (E) ROOF CONSTRUCTION. NEW METAL ROOF PANELS TO BE INSTALLED TO REPLACE ANY (E) PANELS WITH HOLES.
- 2 GUTTER & DOWNSPOUTS TO BE REPLACED IN THEIR ENTIRETY. GC TO PROVIDE ITEMS TO MATCH EXISTING DESIGN INSURE PROPER DRAINAGE AND SPACING.



1 ROOF PLAN  
1/8" = 1'-0"

LAST REVISION: 8/25/2015 5:39:55 PM



BUTTE REGIONAL TRANSIT OPERATIONS  
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326 HUSS LANE, CHICO CA

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GOVERNMENTS

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PROJECT STATUS:

50% CONSTRUCTION  
DOCUMENTS

BUILDINGS:

SHEET TITLE:

ROOF PLAN

SCALE: 0 1/2 1  
SEE TO ONE FOR ORIGINAL DRAWING. IF NOT ONE FOR ORIGINAL SHEET, ADJUST SCALES ACCORDINGLY.

REVISIONS

No.	Description	Date

JOB NO.

5006A3

DATE

8/26/15

SHEET

**A230**



**NOT FOR CONSTRUCTION**

PROJECT STATUS:

**50% CONSTRUCTION  
DOCUMENTS**

BUILDINGS:

SHEET TITLE:

**EXTERIOR ELEVATIONS**

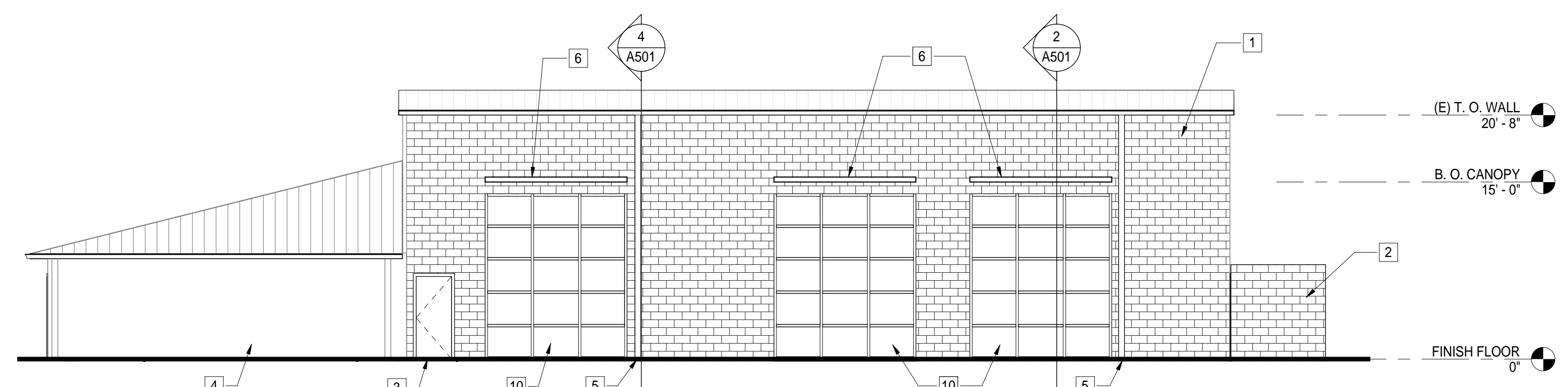
SCALE:

REVISIONS

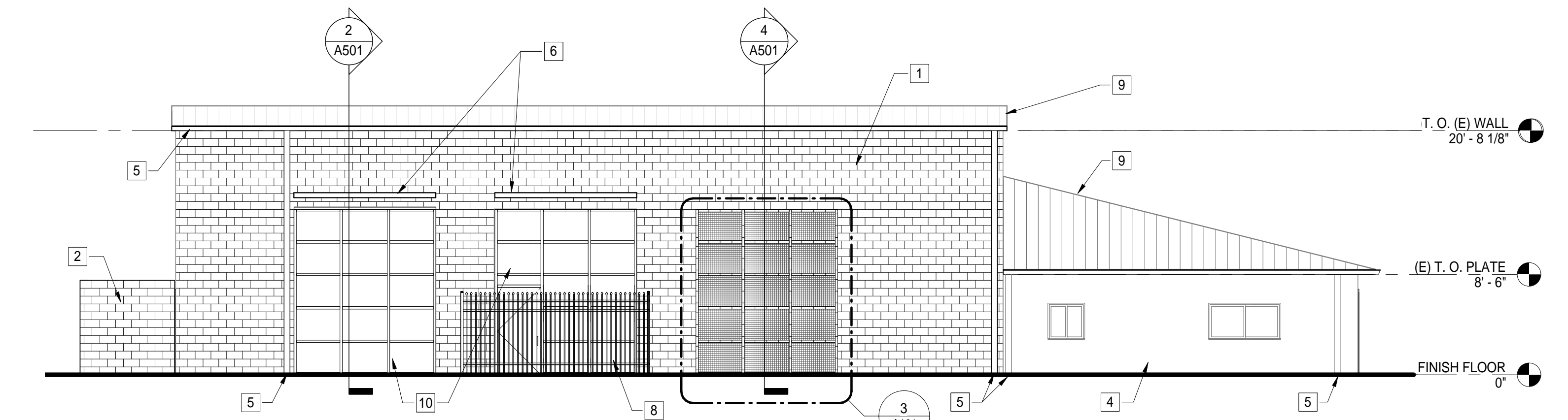
No.	Description	Date

JOB NO. 5006A3 SHEET

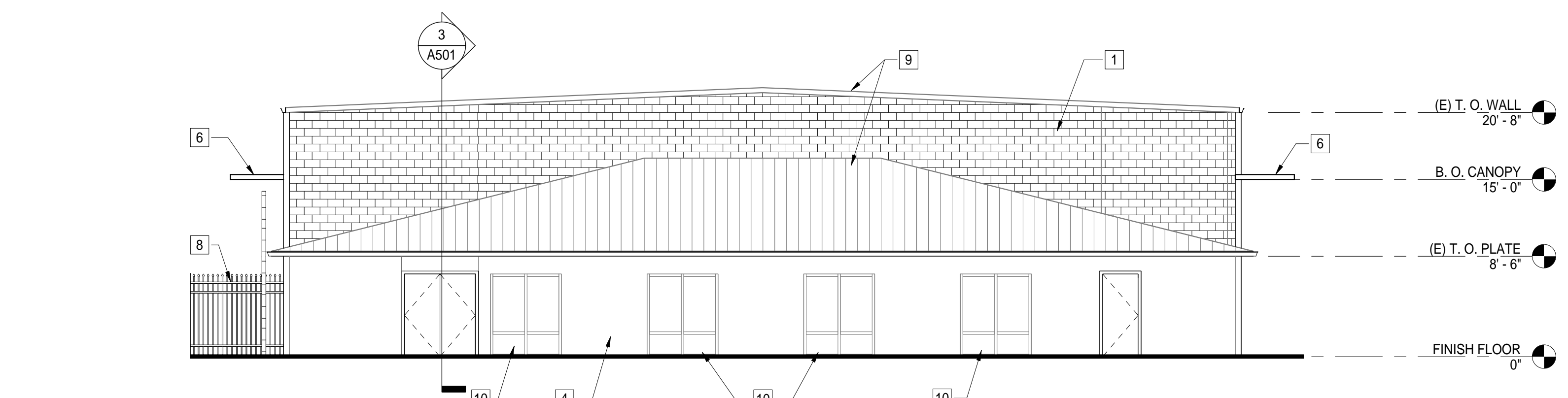
DATE 8/26/15 **A301**



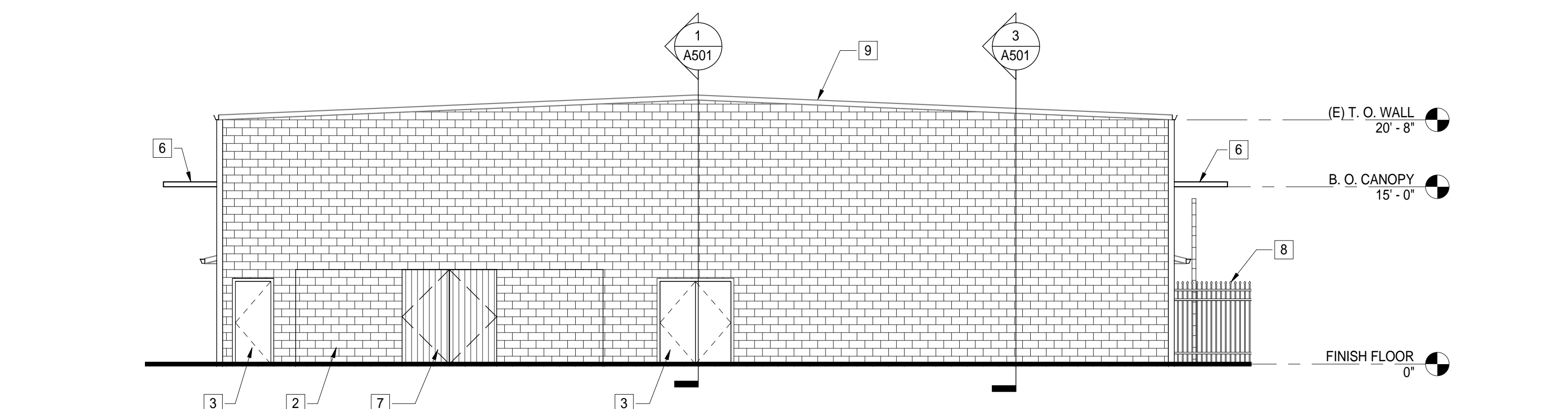
**1 NORTH ELEVATION**  
1/8" = 1'-0"



**2 SOUTH ELEVATION**  
1/8" = 1'-0"



**3 EAST ELEVATION**  
1/8" = 1'-0"



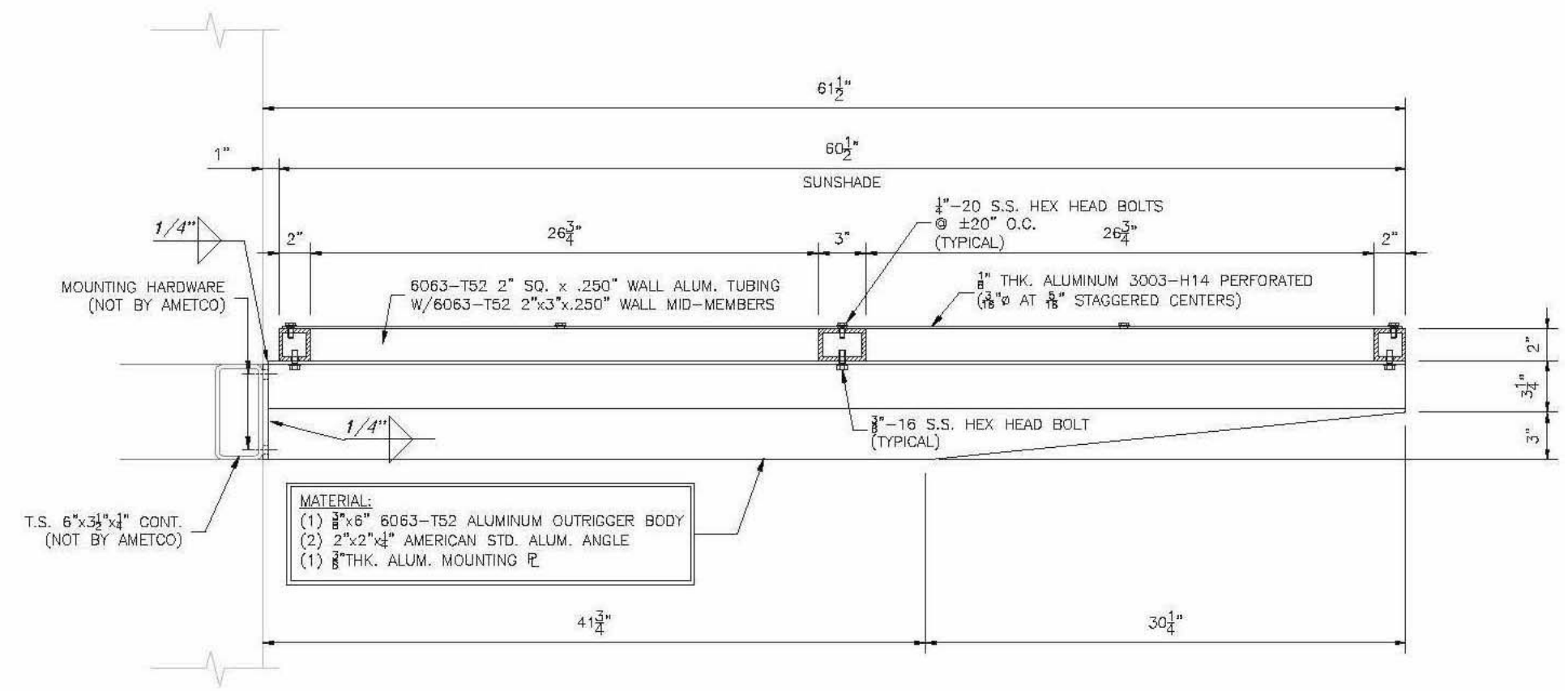
**4 WEST ELEVATION**  
1/8" = 1'-0"

**# KEYNOTES**

- 1 EXISTING CMU WALL, PAINT P1.
- 2 CMU WALL, PAINT P1.
- 3 DOOR, P2 FINISH.
- 4 EXISTING CEMENT PLASTER WALL, PAINT P1.
- 5 GUTTER & DOWNSPOUT, P4 FINISH.
- 6 METAL SHADE CANOPY, P2 FINISH, SEE DETAIL 5/A301.
- 7 CORRUGATED METAL GATE, P3 FINISH.
- 8 ORNAMENTAL METAL GATE, FACTORY FINISH.
- 9 EXISTING ROOF TO REMAIN.
- 10 STOREFRONT SYSTEM, SEE A701.

**GENERAL NOTE:**

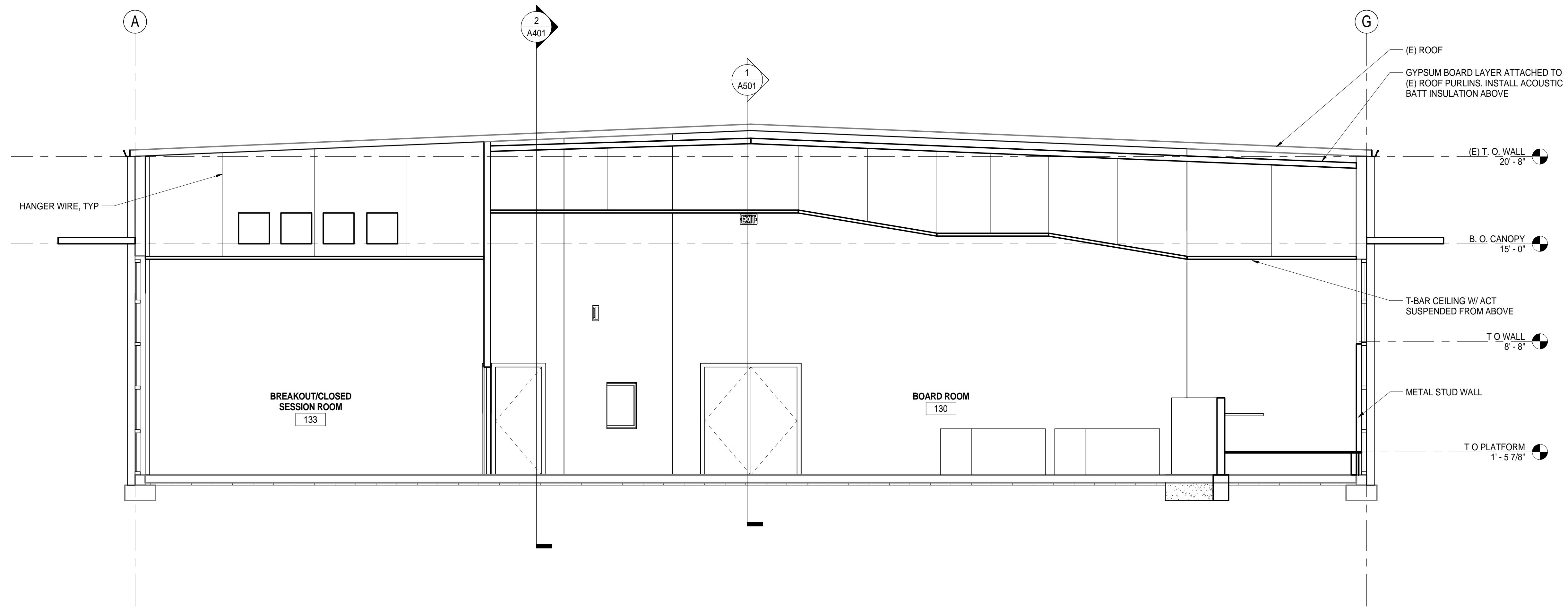
1. ALL ITEMS ARE NEW UNLESS NOTED OTHERWISE.



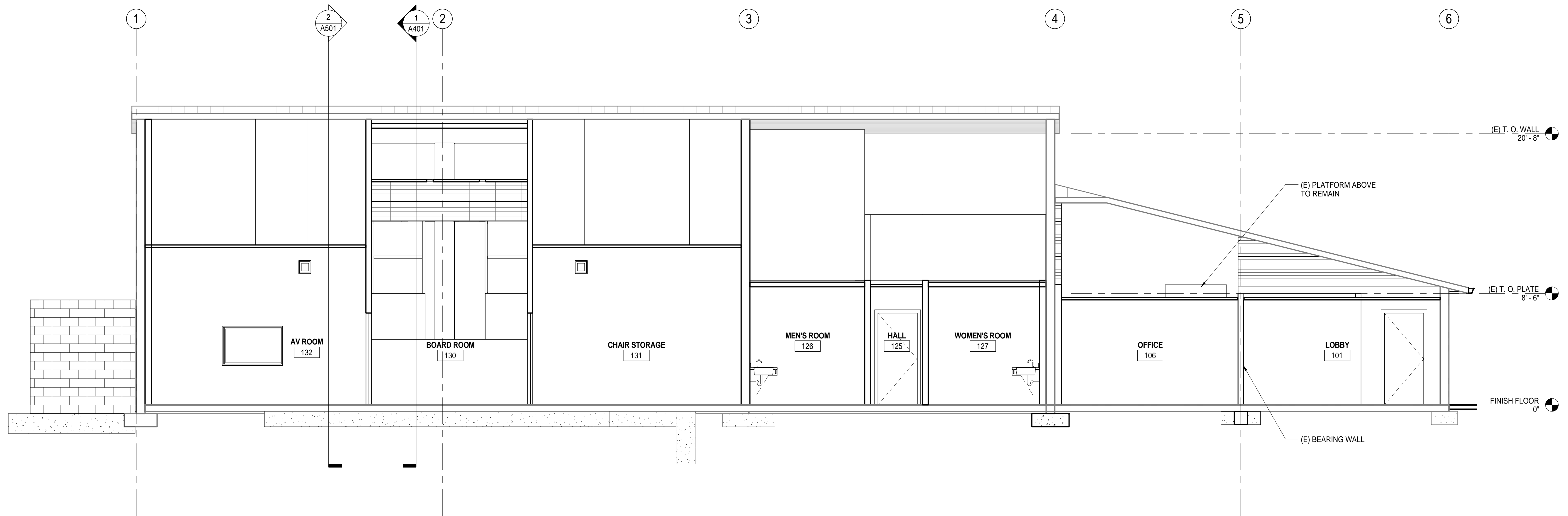
**5 SECTION**  
NTS

**EXTERIOR FINISH SCHEDULE**

ID	MATERIAL	REMARKS
P1	PAINT - DUNN EDWARDS DE6367 'COVERED IN PLATINUM'	
P2	METAL - POWDER COAT PAINT TO MATCH DUNN EDWARDS - DE6369 - 'LEGENDARY GRAY'	
P3	METAL - POWDER COAT PAINT TO MATCH DUNN EDWARDS - DE5713 - 'PINE HAYEN'	
P4	METAL - POWDER COAT PAINT TO MATCH DUNN EDWARDS DE6367 - 'COVERED IN PLATINUM'	



1 BUILDING SECTION 1  
1/4" = 1'-0"



2 BUILDING SECTION 2  
1/4" = 1'-0"



BUTTE REGIONAL TRANSIT OPERATIONS CENTER  
326 HUSS LANE, CHICO CA

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PROJECT STATUS:

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BUILDINGS:

SHEET TITLE:

BUILDING SECTIONS

SCALE:



BASE IS ONE FOOT ON ORIGINAL DRAWING. IF NOT ONE FOOT ON THIS SHEET, ADJUST SCALES ACCORDINGLY.

REVISIONS

No.	Description	Date

JOB NO.

5006A3

DATE

8/26/15

SHEET

**A401**



BUTTE REGIONAL TRANSIT OPERATIONS CENTER  
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PROJECT STATUS:

**50% CONSTRUCTION DOCUMENTS**

BUILDINGS:

SHEET TITLE:

**WALL SECTIONS**

SCALE:



REVISIONS

No.	Description	Date

JOB NO.

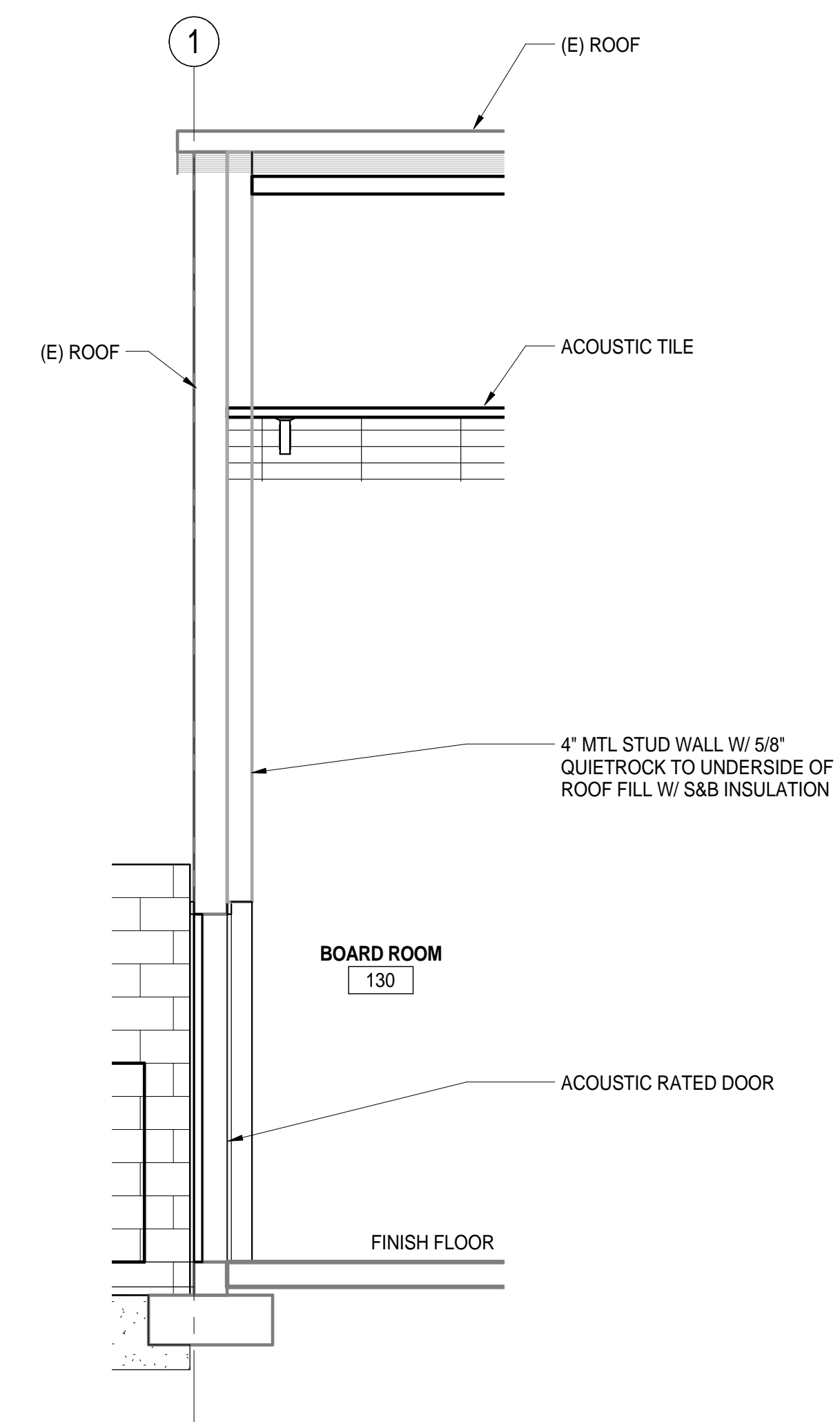
5006A3

DATE

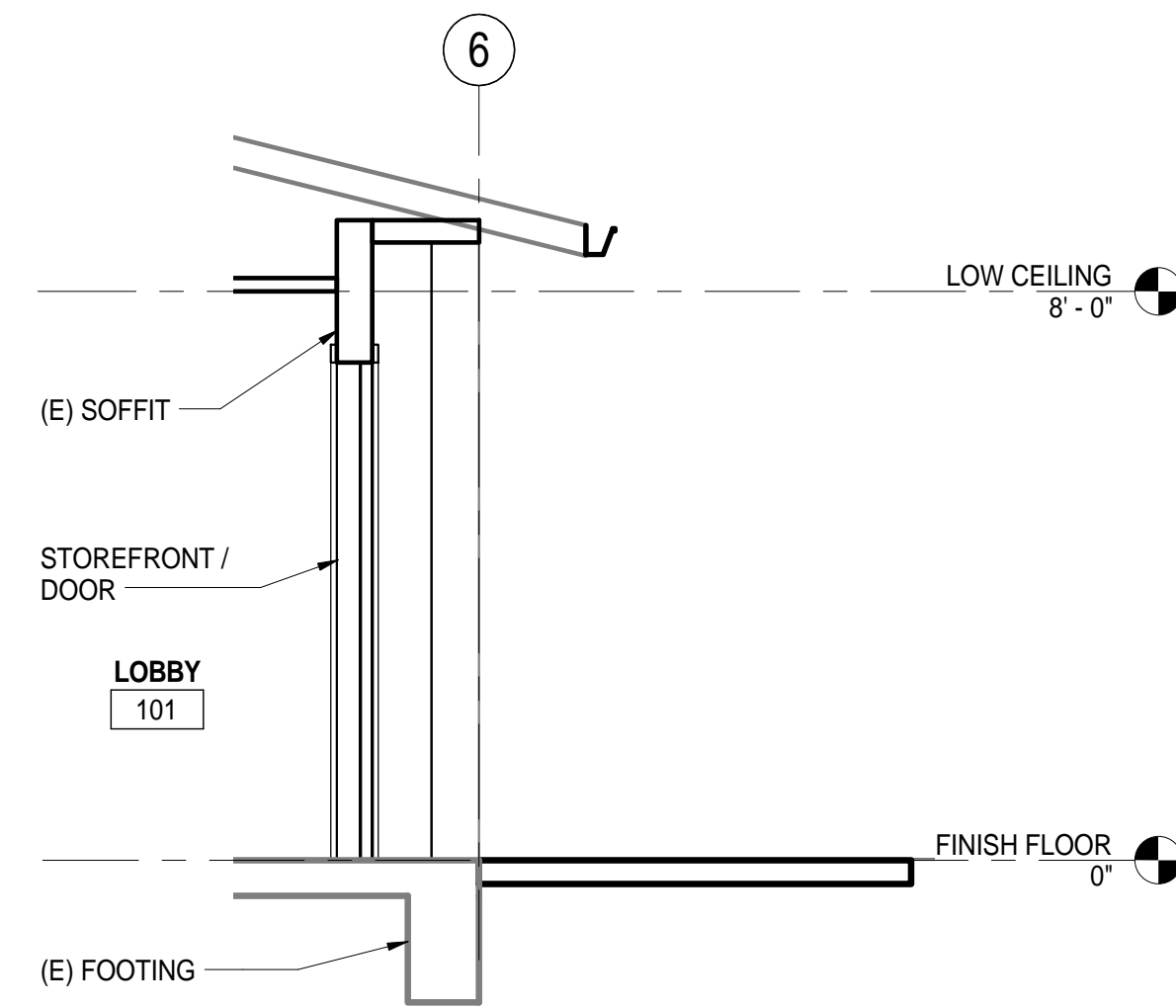
8/26/15

SHEET

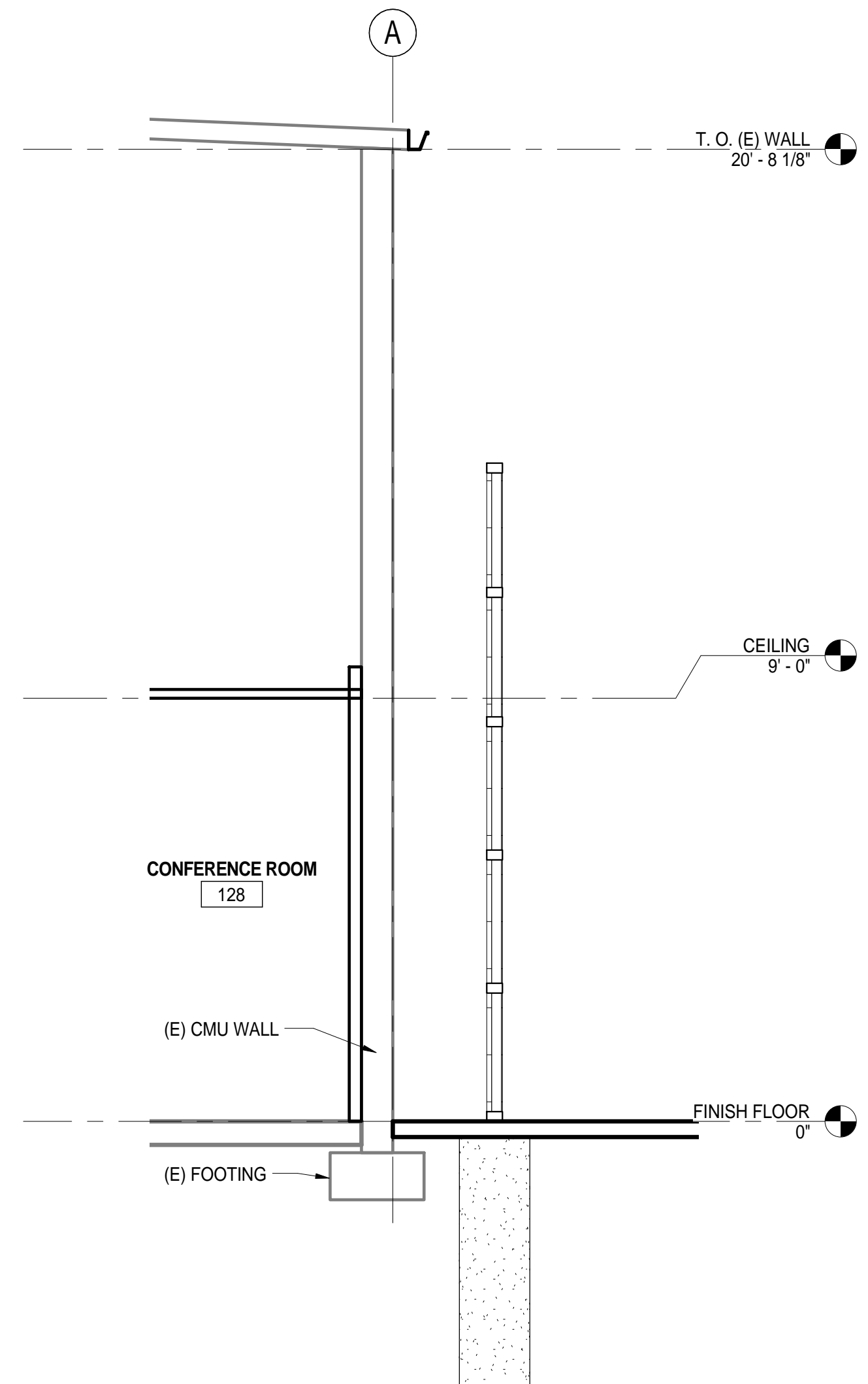
**A501**



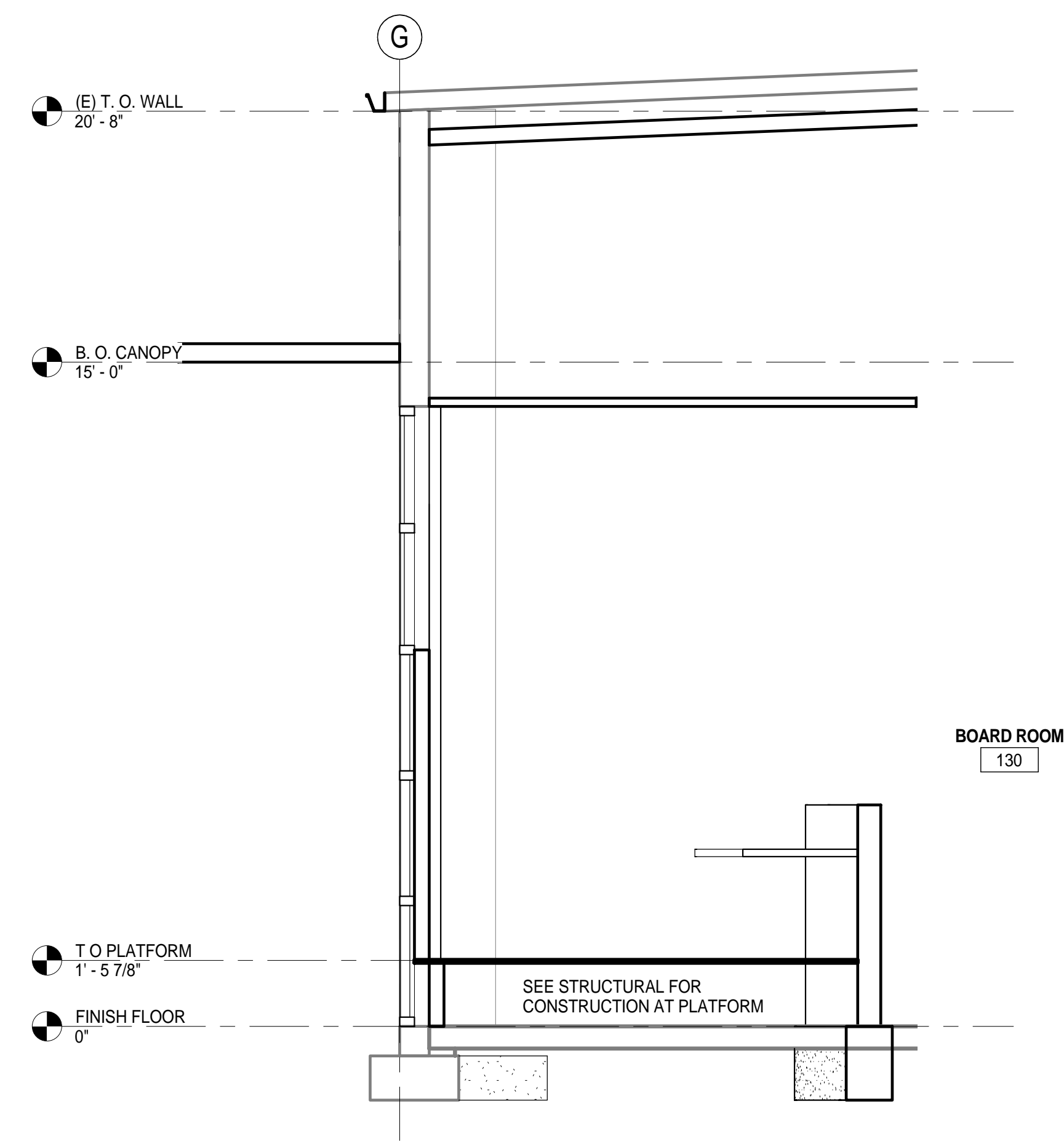
1 WALL SECTION 1  
3/8" = 1'-0"



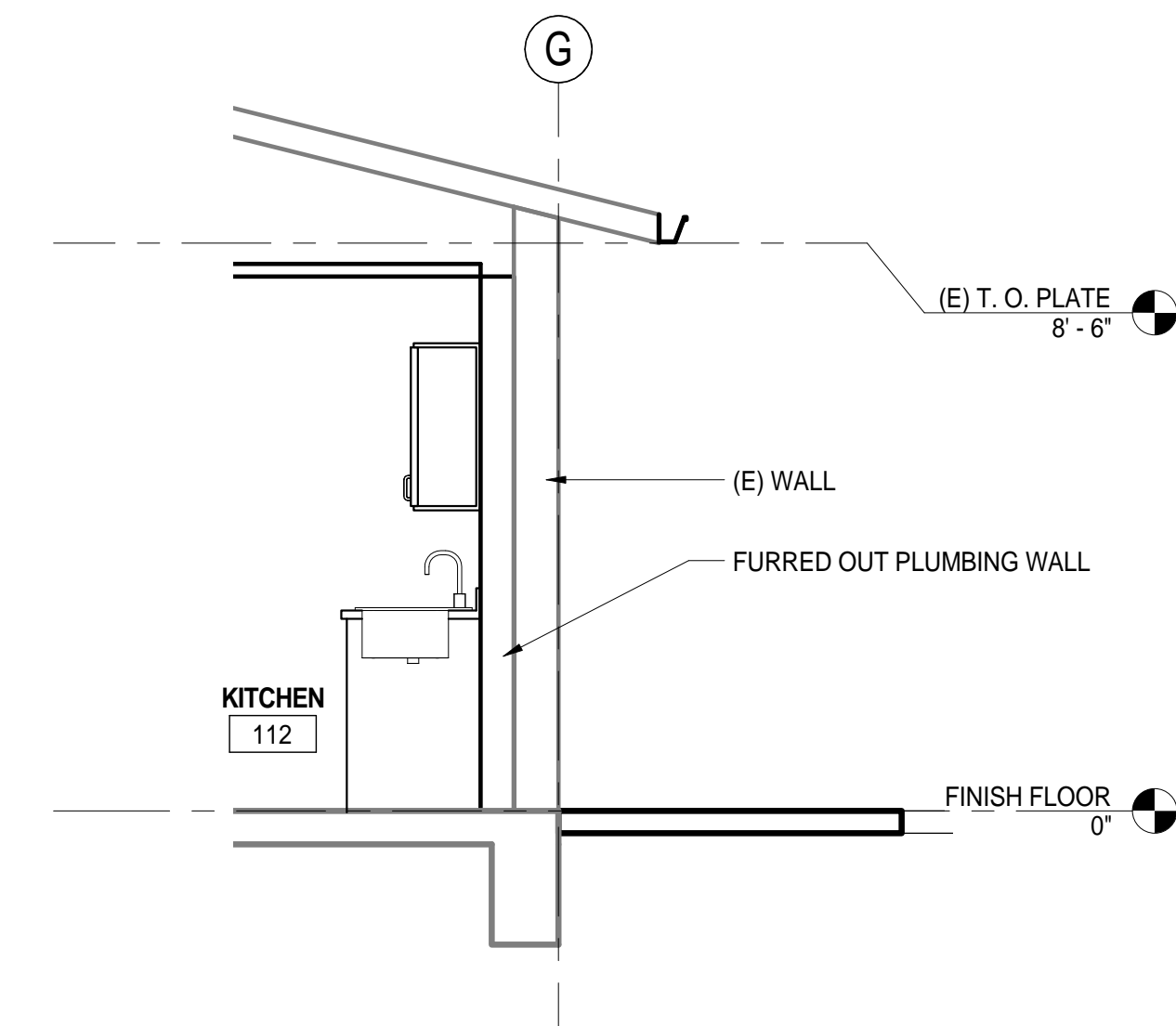
3 WALL SECTION 3  
3/8" = 1'-0"



4 WALL SECTION 4  
3/8" = 1'-0"



2 WALL SECTION 2  
3/8" = 1'-0"



5 WALL SECTION 5  
3/8" = 1'-0"

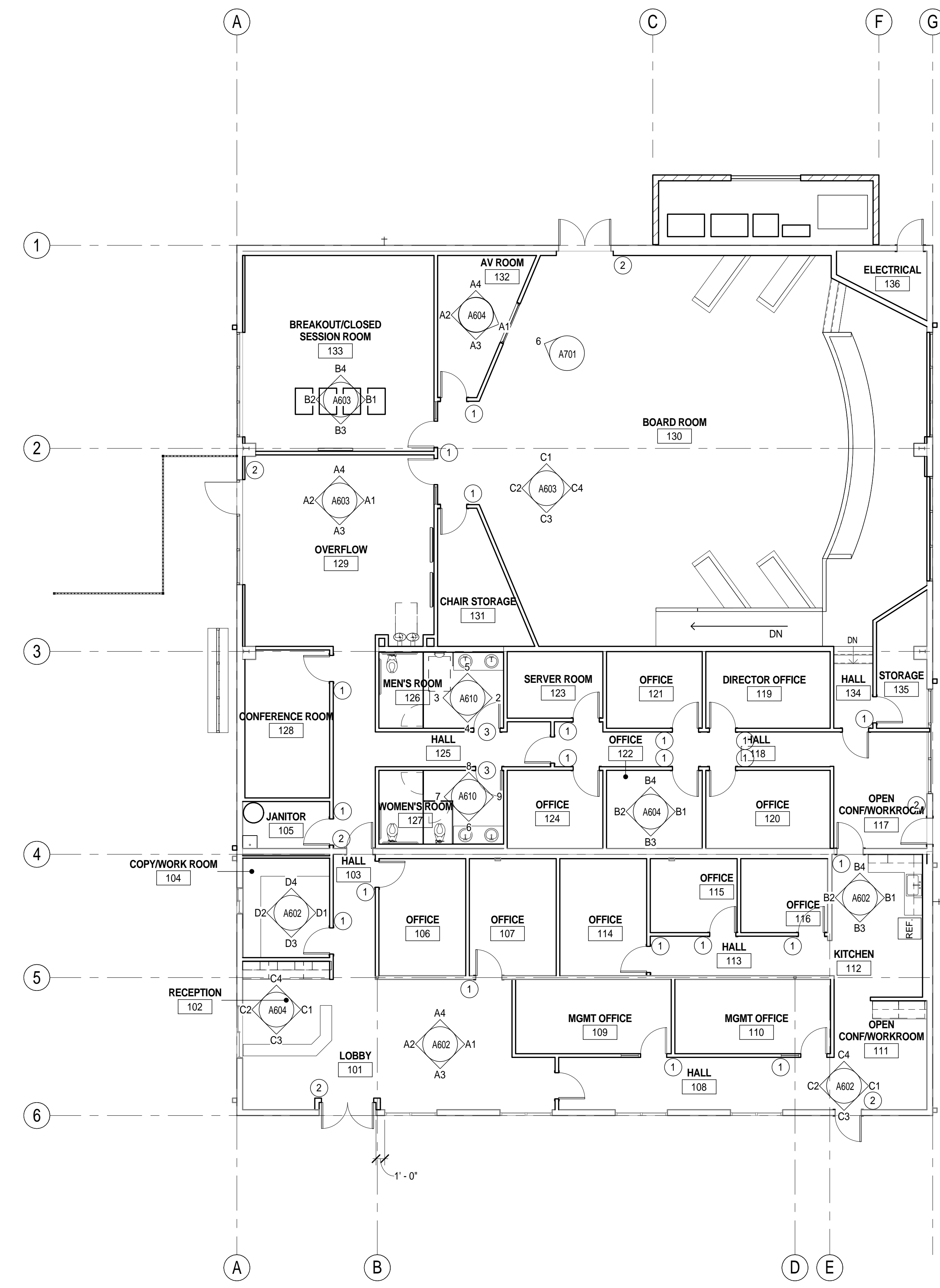
ROOM #	ROOM NAME	FLOOR FINISH	BASE	WALL FINISH				CEILING FINISH	COMMENTS
				NORTH	SOUTH	EAST	WEST		
101	LOBBY	C1	B1	P1	P1	P1	P1	APC1	
102	RECEPTION	C1	B1	P1	P1	P1	P1	APC1	
103	HALL	C1	B1	P1	P1	P1	P1	APC1	
104	COPY/WORK ROOM	C1	B1	P1	P1	P1	P1	APC1	
105	JANITOR	RF1	B1	P1	P1	P1	P1	OTS	
106	OFFICE	C2	B1	P1	P1	P1	P1	APC1	
107	OFFICE	C2	B1	P1	P1	P1	P1	APC1	
108	HALL	C2	B1	P1	P1	P1	P1	APC1	
109	MGMT OFFICE	C1	B1	P1	P1	P1	P1	APC1	
110	MGMT OFFICE	C2	B1	P1	P1	P1	P1	APC1	
111	OPEN CONF/WORKROOM	C1	B1	P1	P1	P1	P1	APC1	
112	KITCHEN	RF1	B1	P1	P1	P1	P1	APC1	
113	HALL	C1	B1	P1	P1	P1	P1	APC1	
114	OFFICE	C2	B1	P1	P1	P1	P1	APC1	
115	OFFICE	C2	B1	P1	P1	P1	P1	APC1	
116	OFFICE	C2	B1	P1	P1	P1	P1	APC1	
117	OPEN CONF/WORKROOM	C1	B1	P1	P1	P1	P1	APC1	
118	COPY/WORK ROOM	C1	B1	P1	P1	P1	P1	APC1	
118	HALL	C1	B1	P1	P1	P1	P1	APC1	
119	OFFICE	C2	B1	P1	P1	P1	P1	APC1	
119	DIRECTOR OFFICE	C2	B1	P1	P1	P1	P1	APC1	
120	OFFICE	C2	B1	P1	P1	P1	P1	APC1	
121	OFFICE	C2	B1	P1	P1	P1	P1	APC1	
122	OFFICE	C2	B1	P1	P1	P1	P1	APC1	
123	SERVER ROOM		B1	P1	P1	P1	P1	APC1	
124	OFFICE	C2	B1	P1	P1	P1	P1	APC1	
125	HALL	C1	B1	P1	P1	P1	P1	APC1	
126	MEN'S ROOM	T1	T1	T2	T2	T2	T2	GB1	
127	WOMEN'S ROOM	T1	T1	T2	T2	T2	T2	GB1	
128	CONFERENCE ROOM	C1	B1	P1	P1	P1	P1	APC1	
129	OVERFLOW	C1	B1	P1	P1	P1	P1	APC1	
130	BOARD ROOM	C1	B1	P1	P1	P1	P1	APC1	
131	CHAIR STORAGE	C2	B1	P1	P1	P1	P1	APC1	
132	AV ROOM	C2	B1	P1	P1	P1	P1	APC1	
133	BREAKOUT/CLOSED SESSION ROOM	C1	B1	P1	P1	P1	P1	APC1	
134	HALL	C1	B1	P1	P1	P1	P1	APC1	
135	STORAGE	RF1	B1	P1	P1	P1	P1	OTS	
136	ELECTRICAL	C01	B1	P1	P1	P1	P1	OTS	

**MATERIALS LEGEND**

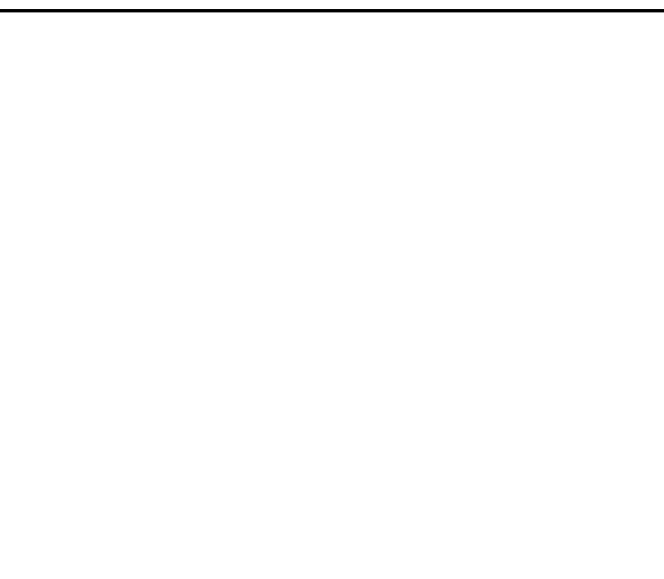
- C01 SEALED CONCRETE
  - T1 FLOOR TILE
  - T2 WALL TILE
  - APC1 ACOUSTIC PANEL CEILING
  - B1 RESILIENT BASE
  - RF1 LINOLEUM FLOORING
  - RF2 STATIC CONTROL FLOORING
  - P1 PAINT
- 6"X6" / DAL TILE - NATURAL HUES - CH08 CINDER W/ ABRASIVE FINISH  
6"X12" / DAL TILE - NATURAL HUES - CH24 IVORY  
ARMSTRONG WORLD INDUSTRIES / ULTIMA OPEN PLAN  
ROPPE / 174 SMOKE  
ARMSTRONG / COLORETTE / LP371 HALF BAKED  
NORA / ENVIROCORE / ART 2462 / WINDFLOWER (2930)  
DUNN EDWARDS / DEW316 POWDERED

**SIGNAGE PLAN - SIGN CALLOUTS**

- ① ROOM IDENTIFICATION SIGNAGE
- ② EXIT SIGN
- ③ ACCESSIBLE REST ROOM SIGNAGE



① SIGNAGE PLAN / INTERIOR ELEVATIONS CALL OUT  
1/8" = 1'-0"



**BCAG**  
BUTTE COUNTY ASSOCIATION  
OF GOVERNMENTS

BUTTE REGIONAL TRANSIT OPERATIONS  
CENTER  
326 HUSS LANE, CHICO CA

BUTTE COUNTY ASSOCIATION OF  
GOVERNMENTS

**NOT FOR CONSTRUCTION**

PROJECT STATUS:  
**50% CONSTRUCTION DOCUMENTS**

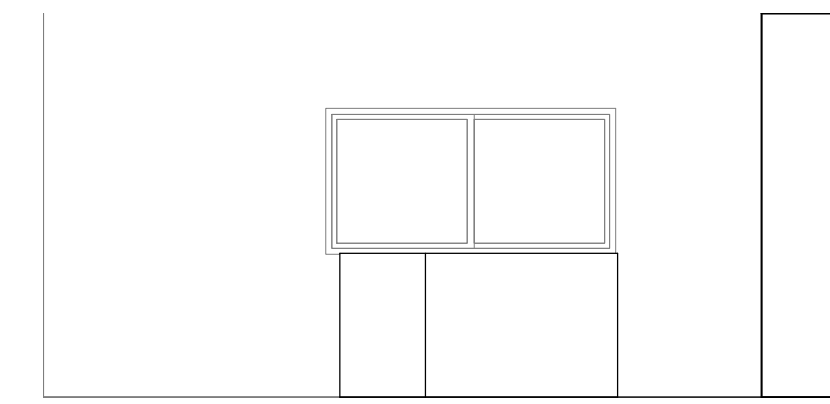
BUILDINGS:  
SHEET TITLE:  
**SIGNAGE PLAN & ROOM FINISH SCHEDULE**

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BASE IS ONE FOOT ON ORIGINAL DRAWING. IF NOT ONE FOOT ON THIS SHEET, ADJUST SCALES ACCORDINGLY.

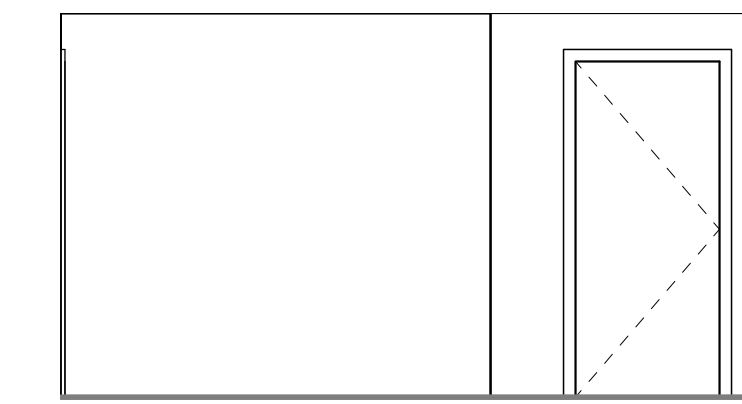
**REVISIONS**

No.	Description	Date

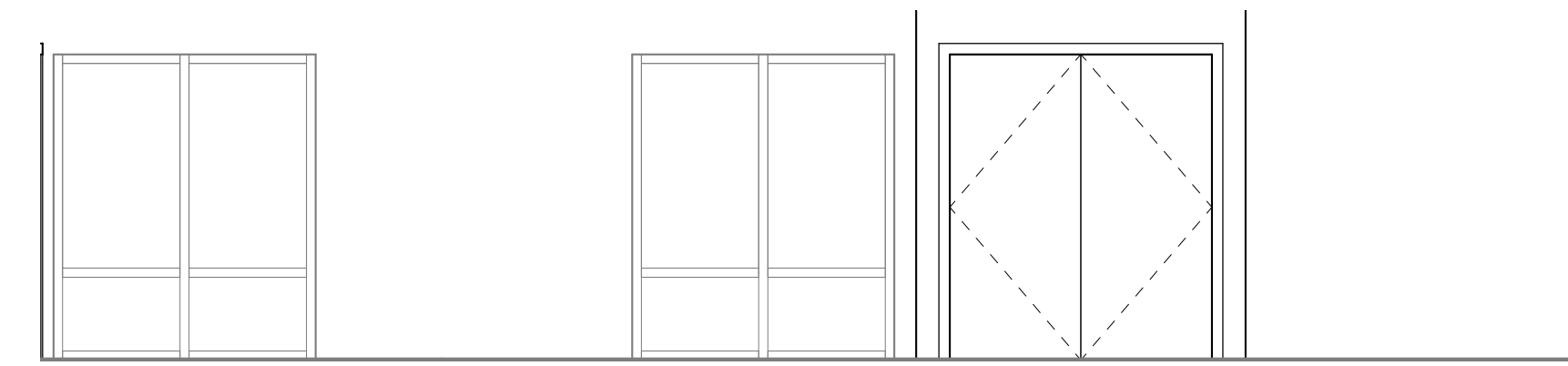
JOB NO. 5006A3  
DATE 8/26/15  
SHEET  
**A601**



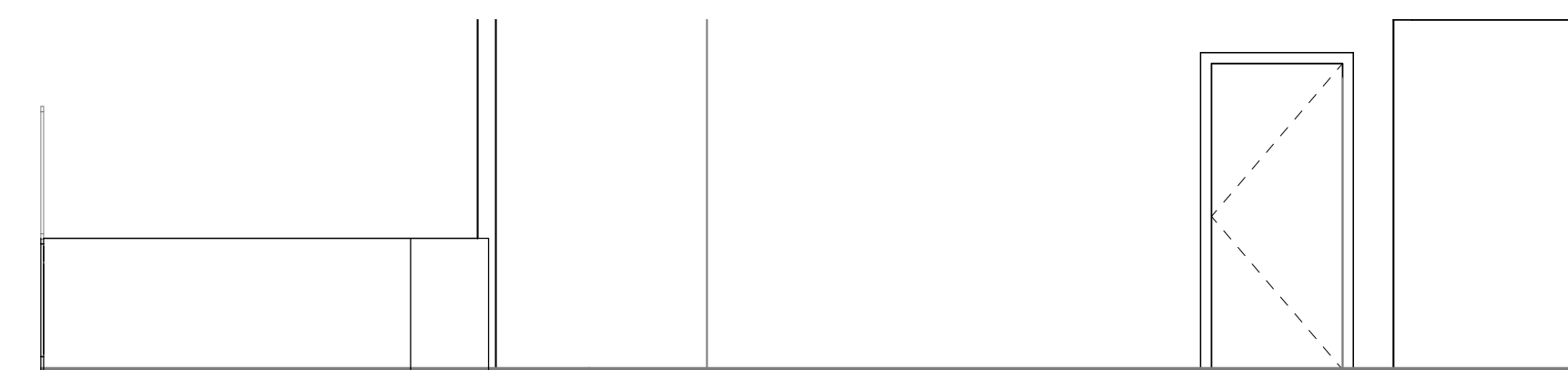
A2 LOBBY 101 - SOUTH  
1/4" = 1'-0"



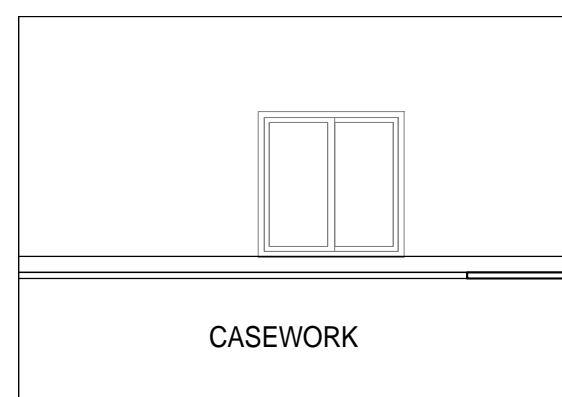
A1 LOBBY 101 - NORTH  
1/4" = 1'-0"



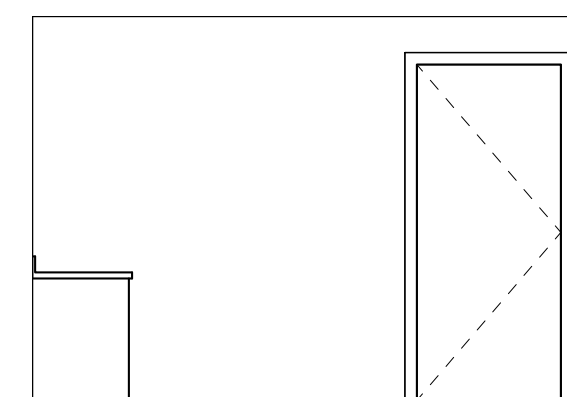
A3 LOBBY 101 - EAST  
1/4" = 1'-0"



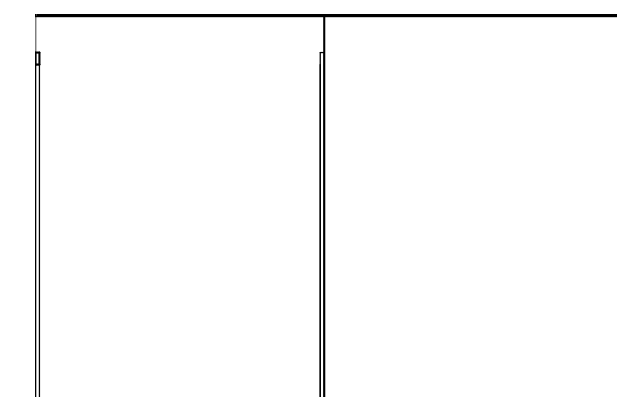
A4 LOBBY 101 - WEST  
1/4" = 1'-0"



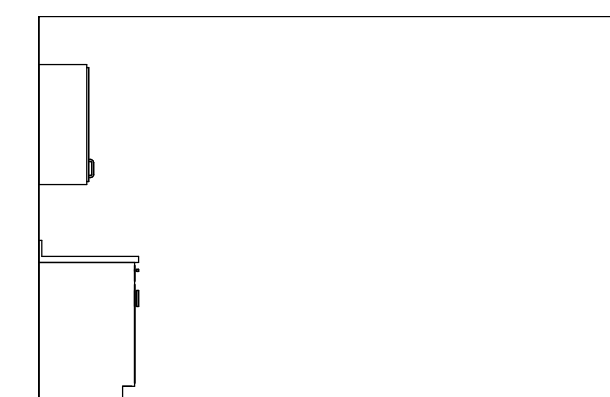
D2 COPY/WORK 104 - SOUTH  
1/4" = 1'-0"



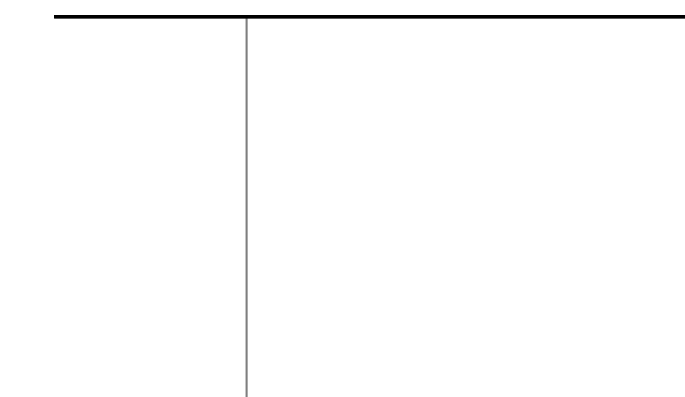
D1 COPY/WORK 104 - NORTH  
1/4" = 1'-0"



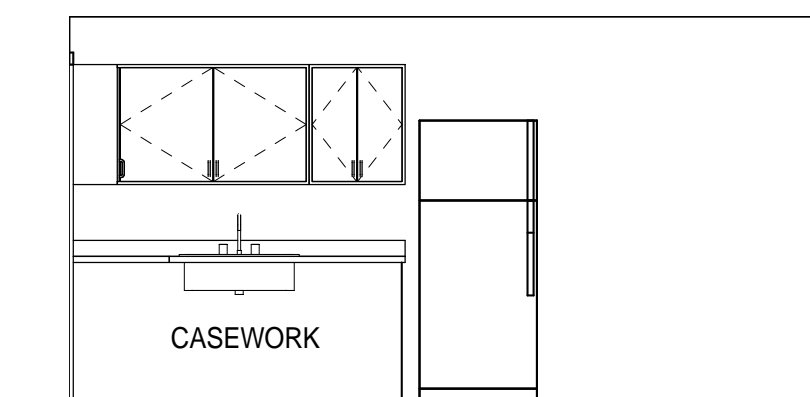
C2 OPEN CONF 111 - SOUTH  
1/4" = 1'-0"



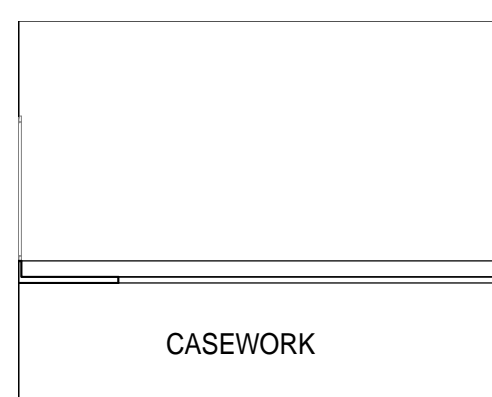
C1 OPEN CONF 111 - NORTH  
1/4" = 1'-0"



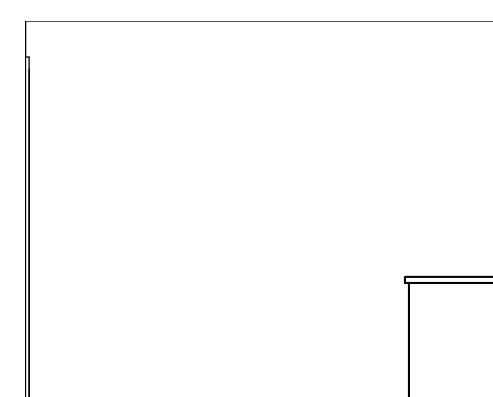
B2 KITCHEN 112 - SOUTH  
1/4" = 1'-0"



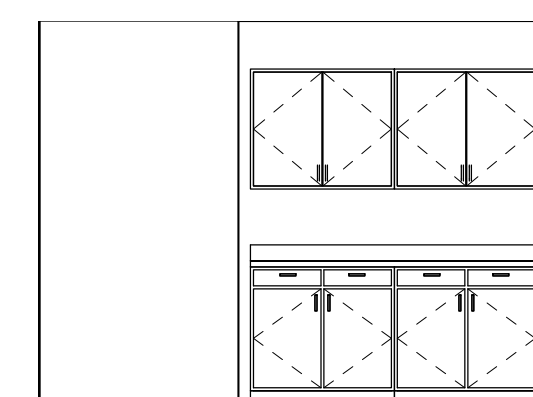
B1 KITCHEN 112 - NORTH  
1/4" = 1'-0"



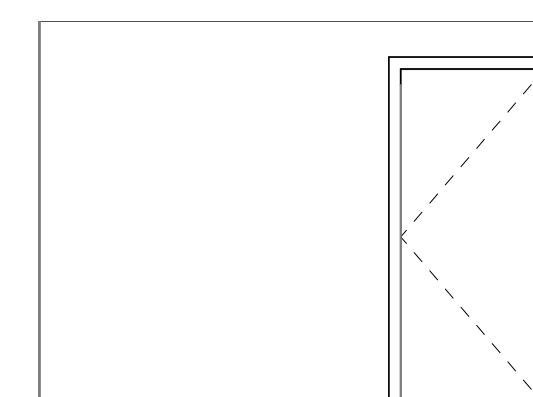
D4 COPY/WORK 104 - WEST  
1/4" = 1'-0"



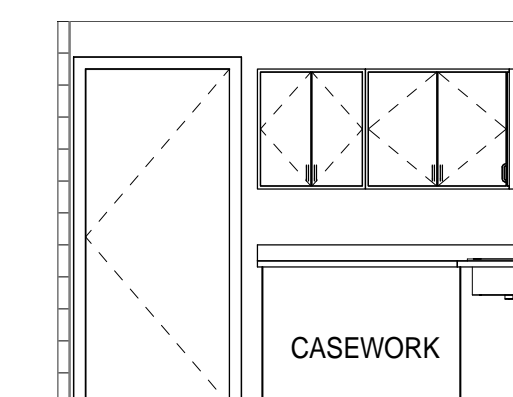
D3 COPY/WORK 104 - EAST  
1/4" = 1'-0"



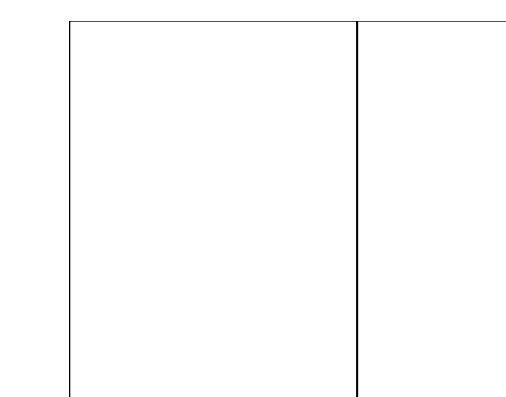
C4 OPEN CONF 111 - WEST  
1/4" = 1'-0"



C3 OPEN CONF 111 - EAST  
1/4" = 1'-0"



B4 KITCHEN 112 - WEST  
1/4" = 1'-0"



B3 KITCHEN 112 - EAST  
1/4" = 1'-0"



BUTTE REGIONAL TRANSIT OPERATIONS  
CENTER  
326 HUSS LANE, CHICO CA

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GOVERNMENTS

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PROJECT STATUS:

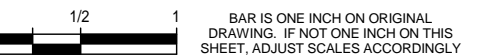
50% CONSTRUCTION  
DOCUMENTS

BUILDINGS:

SHEET TITLE:

INTERIOR ELEVATIONS

SCALE:



REVISIONS

No.	Description	Date

JOB NO.

5006A3

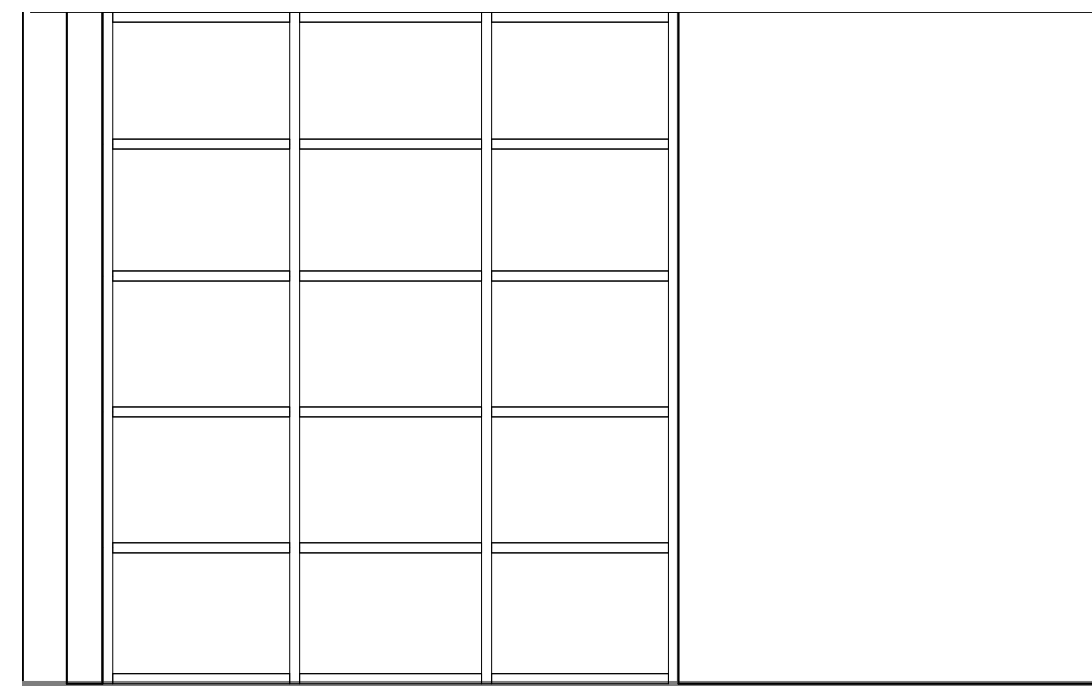
DATE

8/26/15

SHEET

**A602**

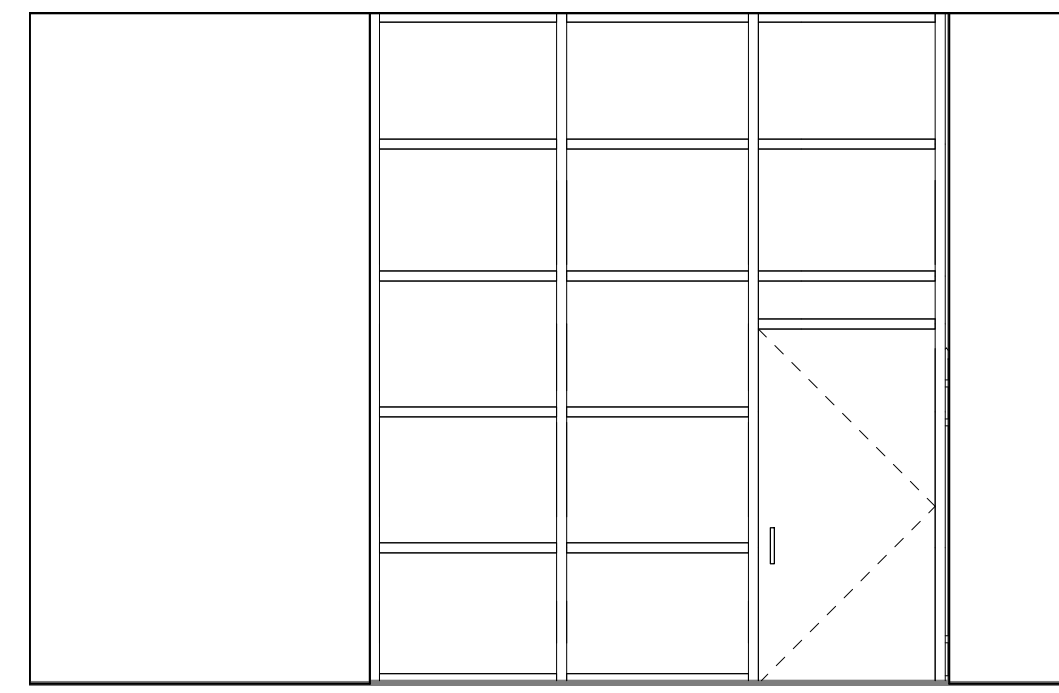




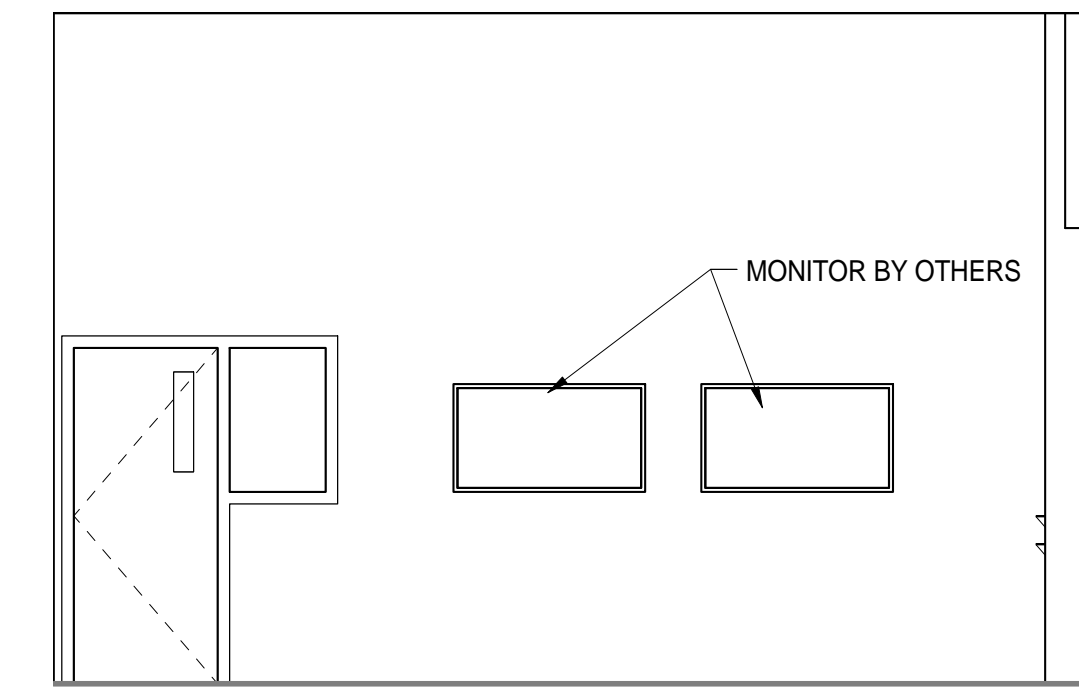
B2 BREAKOUT 133 - SOUTH  
1/4" = 1'-0"



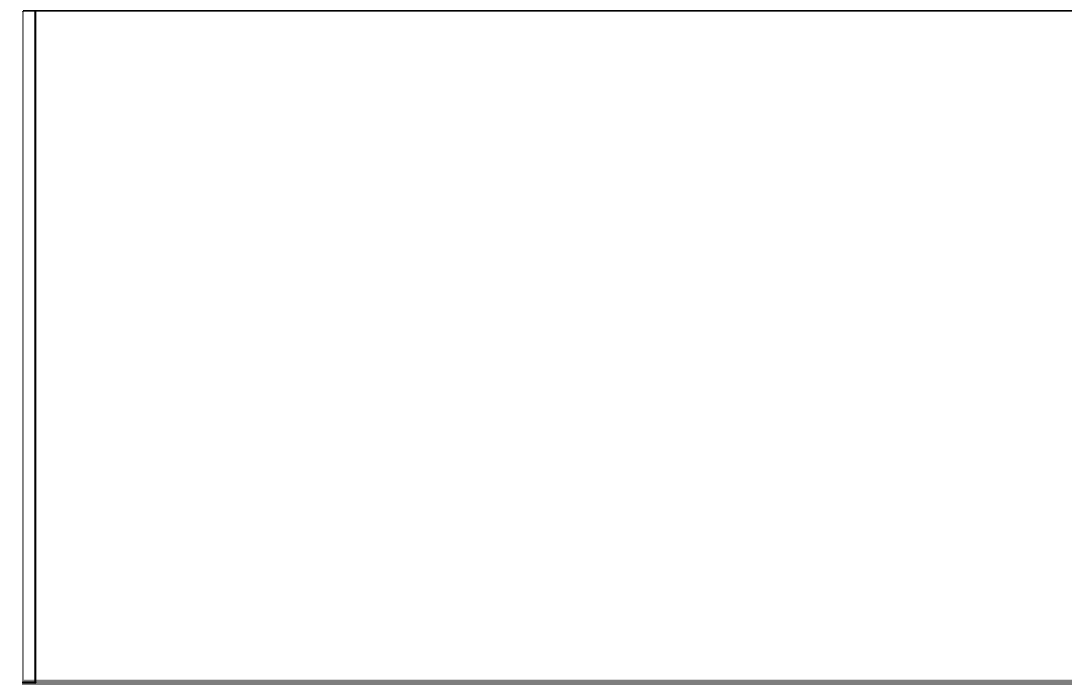
B1 BREAKOUT 133 - NORTH  
1/4" = 1'-0"



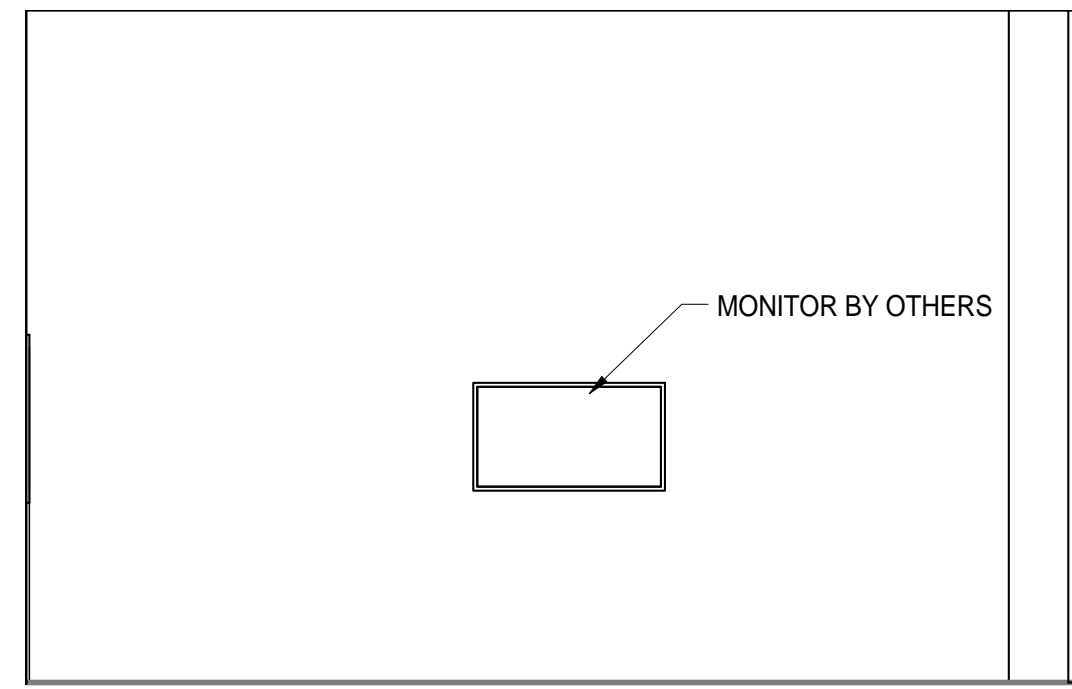
A2 OVERFLOW 129 - SOUTH  
1/4" = 1'-0"



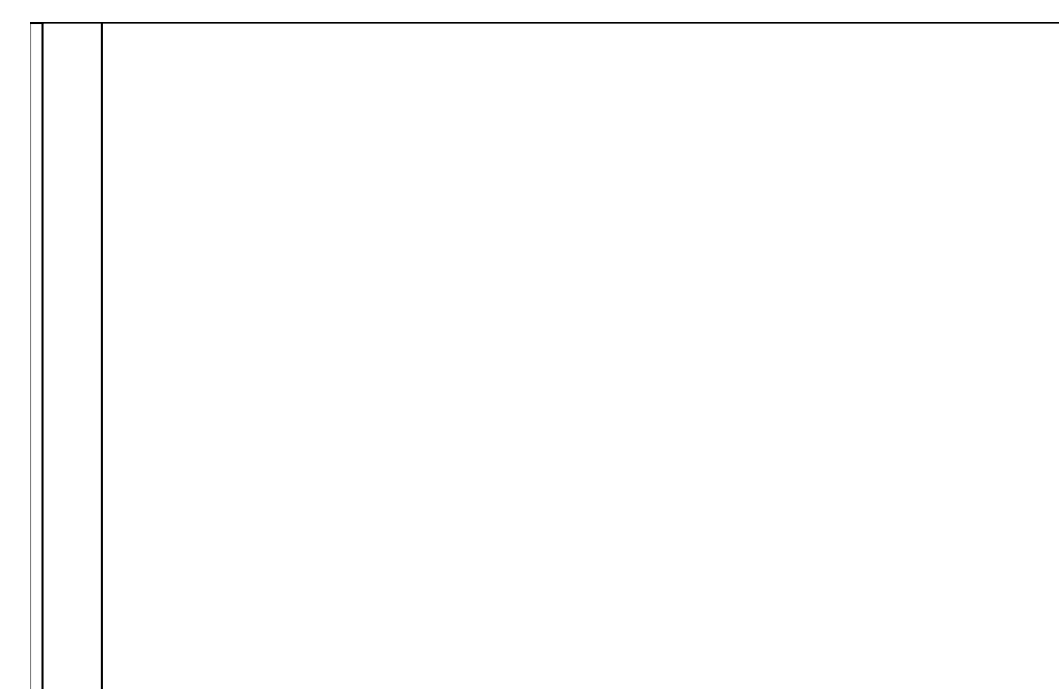
A1 OVERFLOW 129 - NORTH  
1/4" = 1'-0"



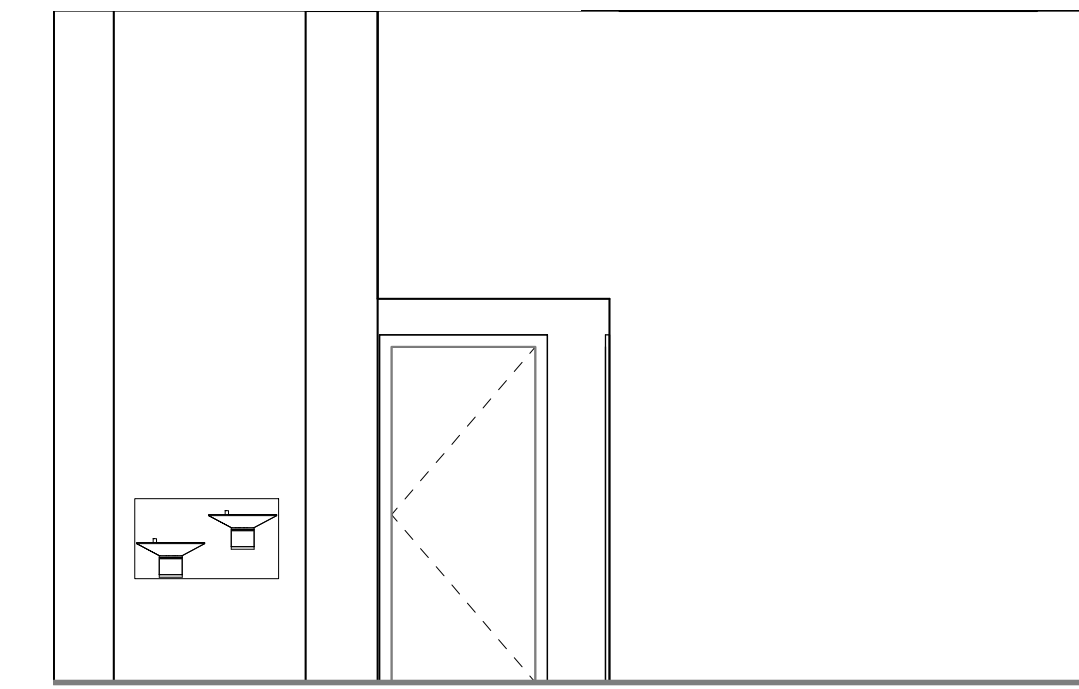
B4 BREAKOUT 133 - WEST  
1/4" = 1'-0"



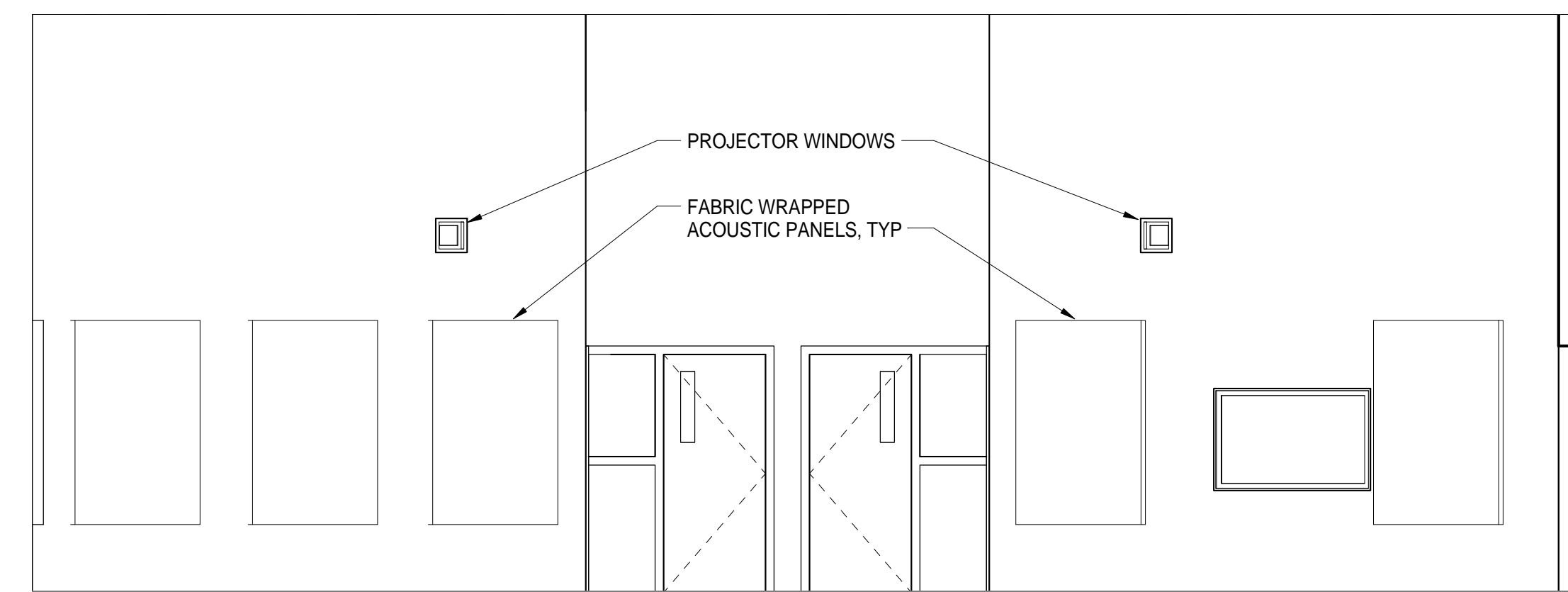
B3 BREAKOUT 133 - EAST  
1/4" = 1'-0"



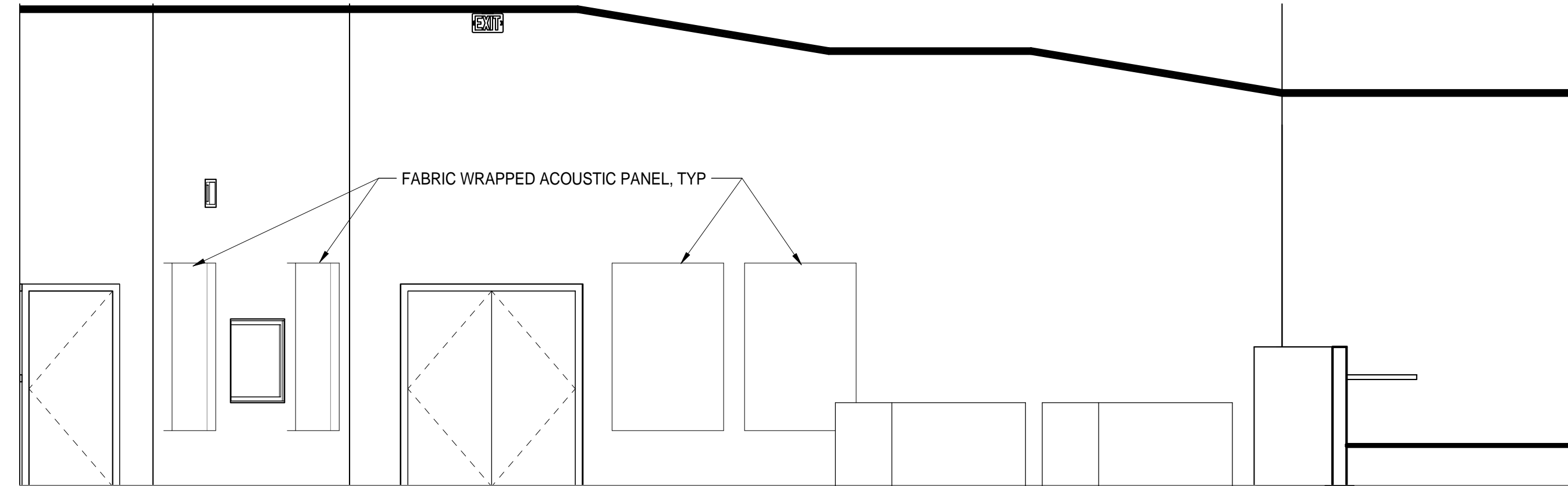
A4 OVERFLOW 129 - WEST  
1/4" = 1'-0"



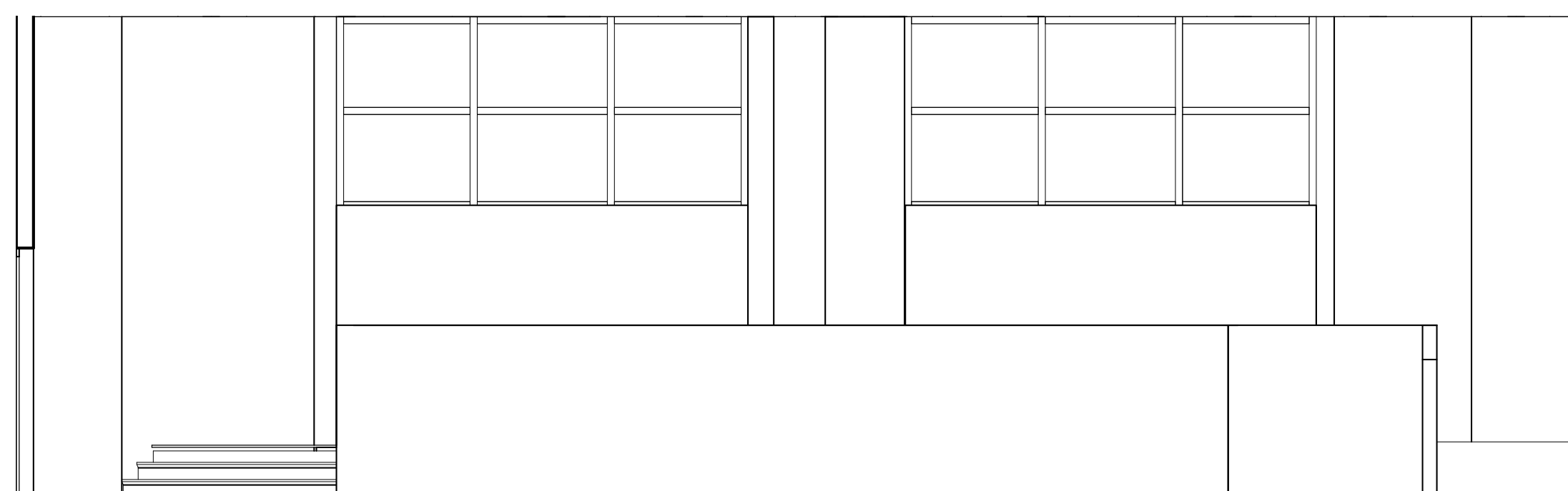
A3 OVERFLOW 129 - EAST  
1/4" = 1'-0"



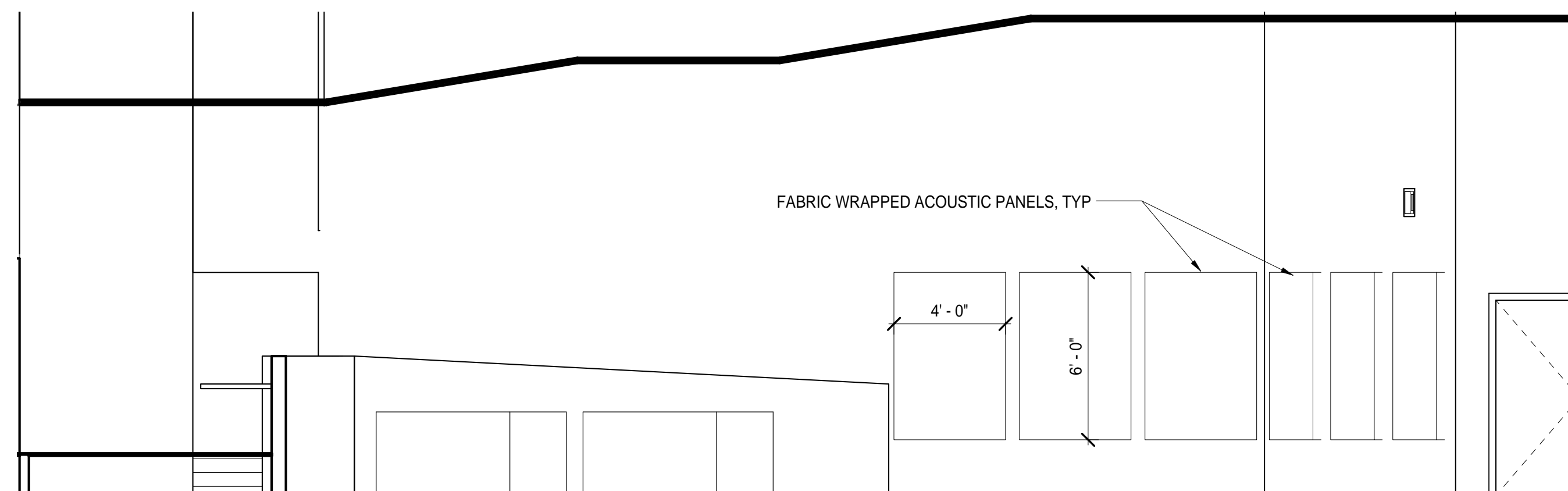
C2 BOARD ROOM - SOUTH ELEVATION  
1/4" = 1'-0"



C1 BOARD ROOM - WEST ELEVATION  
1/4" = 1'-0"



C4 BOARD ROOM - NORTH ELEVATION  
1/4" = 1'-0"



C3 BOARD ROOM - EAST ELEVATION  
1/4" = 1'-0"



BUTTE REGIONAL TRANSIT OPERATIONS  
CENTER  
326 HUSS LANE, CHICO CA

BUTTE COUNTY ASSOCIATION OF  
GOVERNMENTS

NOT FOR CONSTRUCTION

PROJECT STATUS:

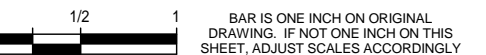
50% CONSTRUCTION  
DOCUMENTS

BUILDINGS:

SHEET TITLE:

INTERIOR ELEVATIONS

SCALE:



REVISIONS

No.	Description	Date

JOB NO.

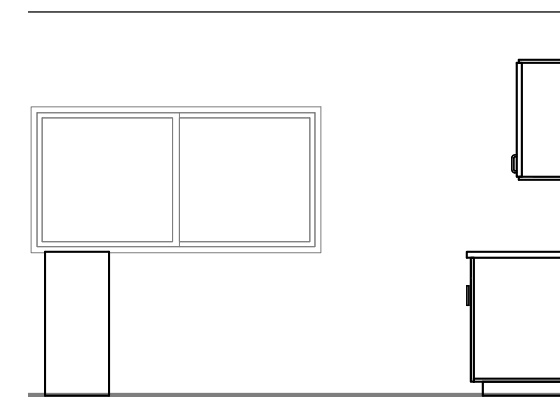
5006A3

DATE

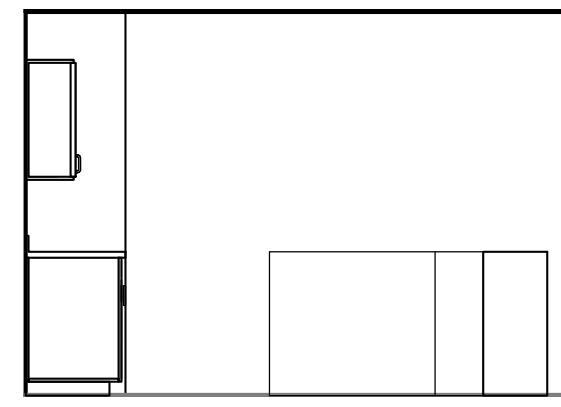
8/26/15

SHEET

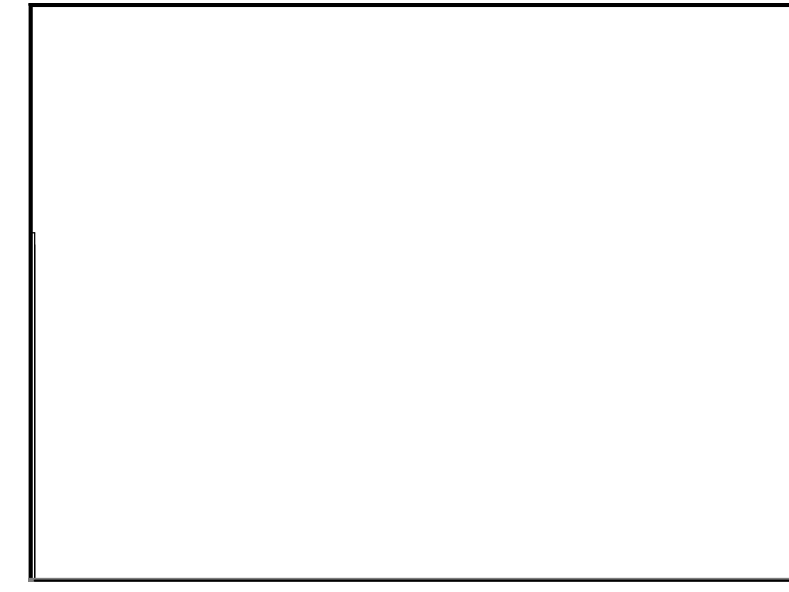
**A603**



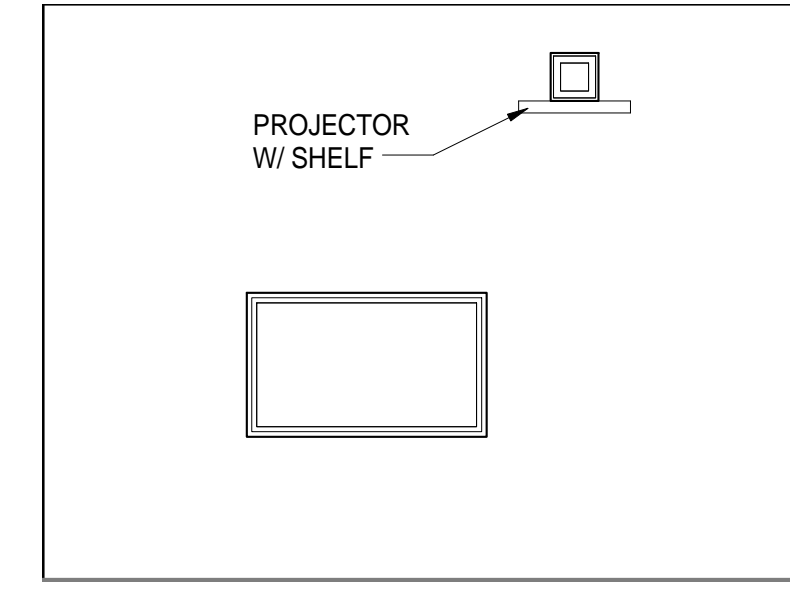
C2 RECEPTION 102 - SOUTH  
1/4" = 1'-0"



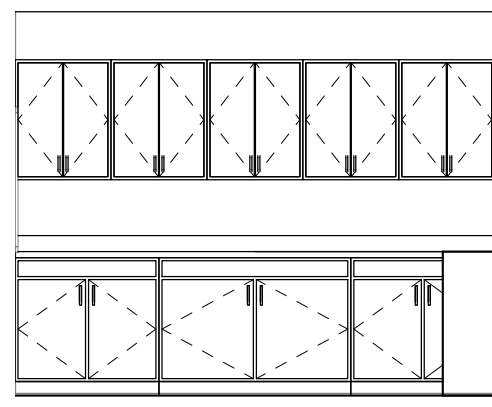
C1 RECEPTION 102 - NORTH  
1/4" = 1'-0"



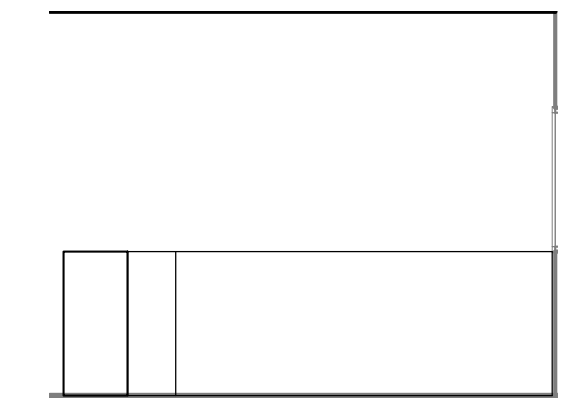
A2 AV 132 - SOUTH  
1/4" = 1'-0"



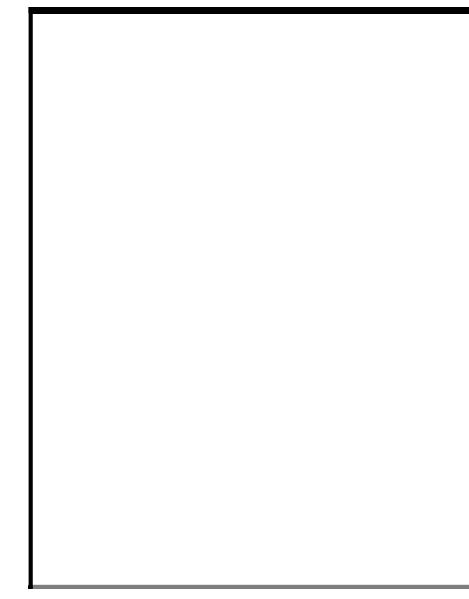
A1 AV 132 - NORTH  
1/4" = 1'-0"



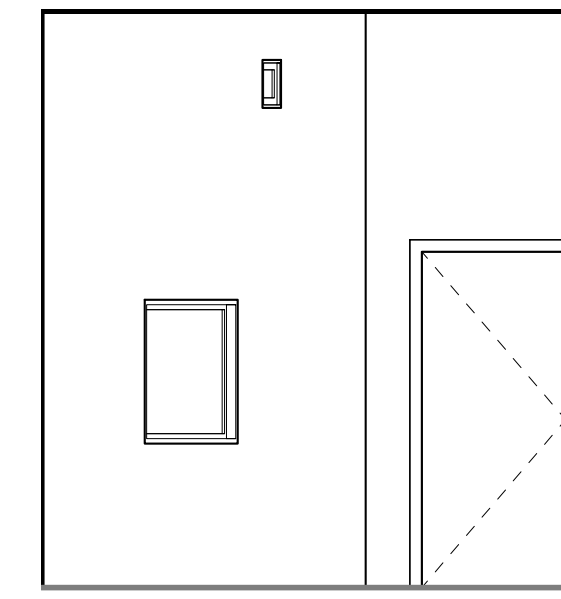
C4 RECEPTION 102 - WEST  
1/4" = 1'-0"



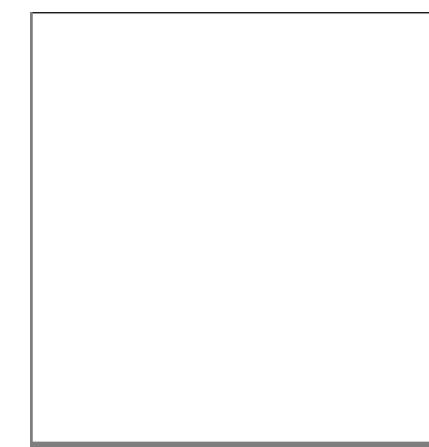
C3 RECEPTION 102 - EAST  
1/4" = 1'-0"



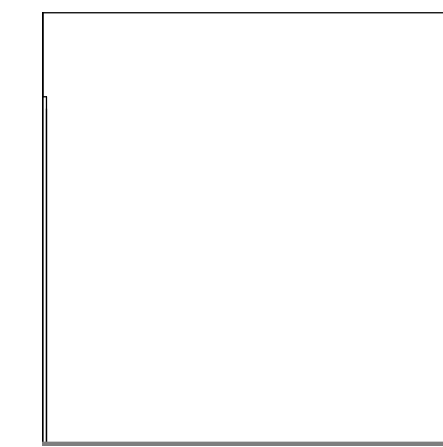
A4 AV 132 - WEST  
1/4" = 1'-0"



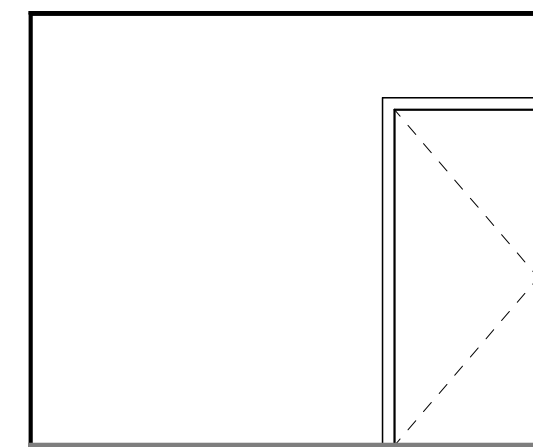
A3 AV 132 - EAST  
1/4" = 1'-0"



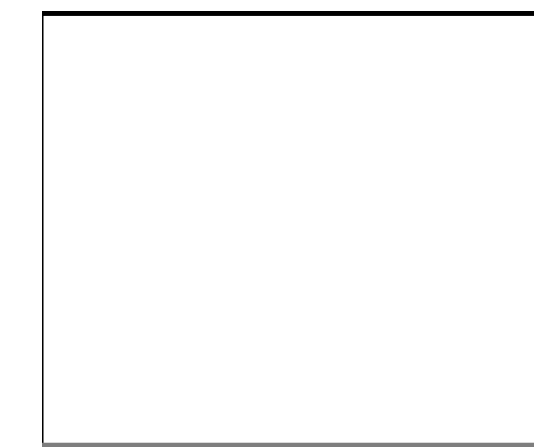
B2 OFFICE 122 (TYP) - SOUTH  
1/4" = 1'-0"



B1 OFFICE 122 (TYP) - NORTH  
1/4" = 1'-0"



B4 OFFICE 122 (TYP) - WEST  
1/4" = 1'-0"



B3 OFFICE 122 (TYP) - EAST  
1/4" = 1'-0"



BUTTE REGIONAL TRANSIT OPERATIONS  
CENTER  
326 HUSS LANE, CHICO CA

BUTTE COUNTY ASSOCIATION OF  
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PROJECT STATUS:

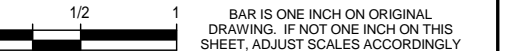
50% CONSTRUCTION  
DOCUMENTS

BUILDINGS:

SHEET TITLE:

INTERIOR ELEVATIONS

SCALE:



REVISIONS

No.	Description	Date

JOB NO.

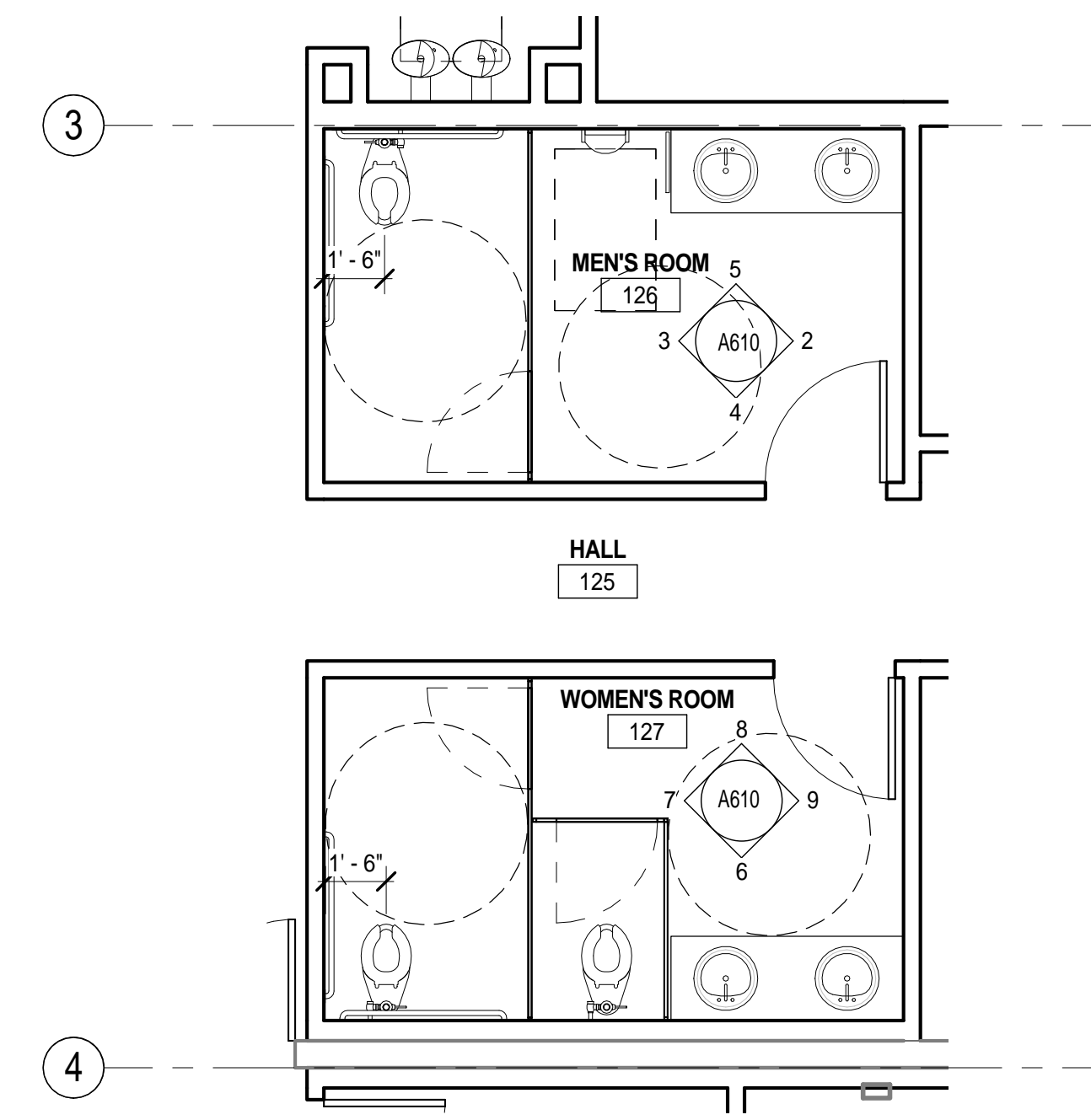
5006A3

DATE

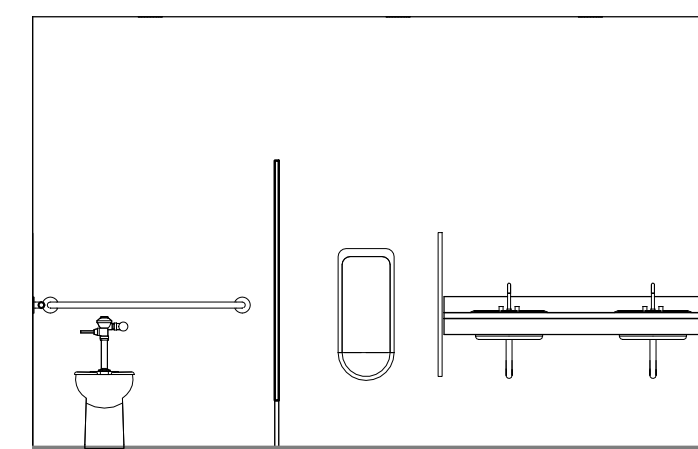
8/26/15

SHEET

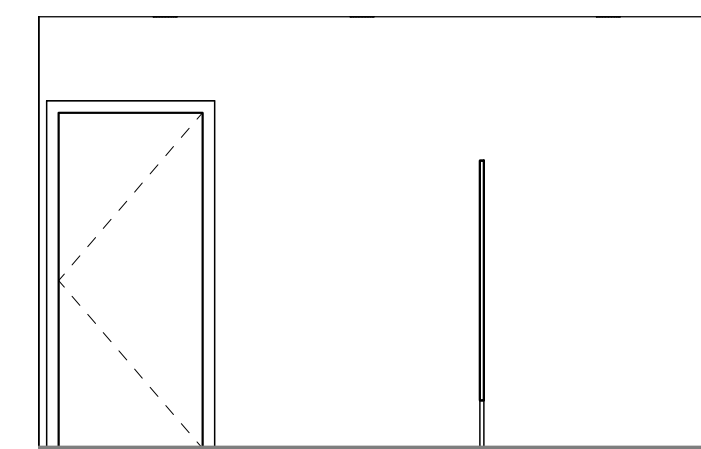
**A604**



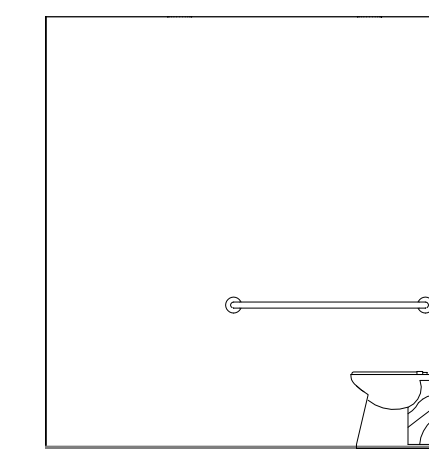
**1 ENLARGED RESTROOM PLANS**  
 1/4" = 1'-0"



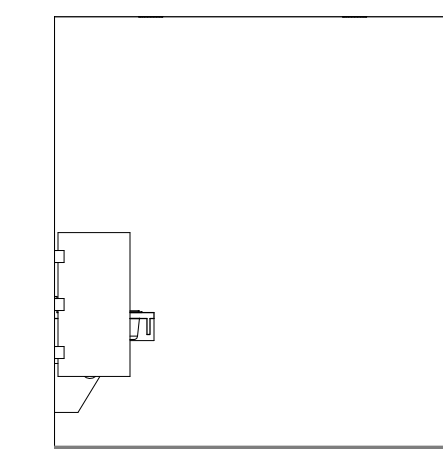
**5 MEN'S 126 - WEST**  
 1/4" = 1'-0"



**4 MEN'S ROOM 126 - EAST**  
 1/4" = 1'-0"



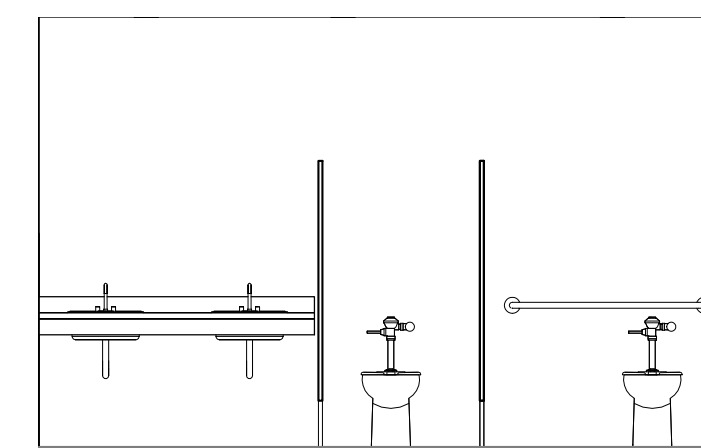
**3 MEN'S 126 - SOUTH**  
 1/4" = 1'-0"



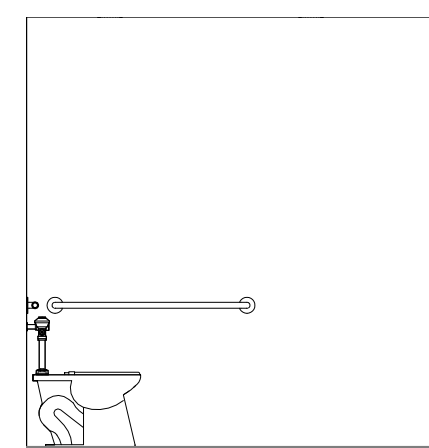
**2 MEN'S 126 - NORTH**  
 1/4" = 1'-0"



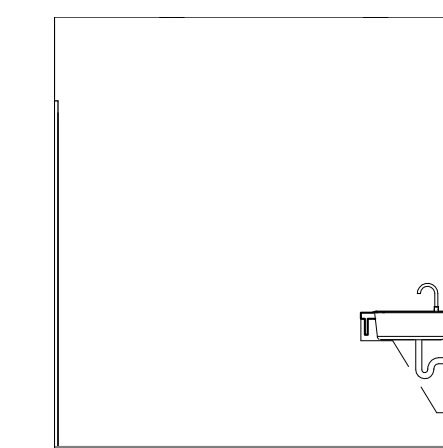
**8 WOMEN'S 127 - WEST**  
 1/4" = 1'-0"



**6 WOMEN'S 127 - EAST**  
 1/4" = 1'-0"



**7 WOMEN'S 127 - SOUTH**  
 1/4" = 1'-0"



**9 WOMEN'S 127 - NORTH**  
 1/4" = 1'-0"



BUTTE REGIONAL TRANSIT OPERATIONS  
 CENTER  
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BUTTE COUNTY ASSOCIATION OF  
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PROJECT STATUS:

**50% CONSTRUCTION  
 DOCUMENTS**

BUILDINGS:

SHEET TITLE:

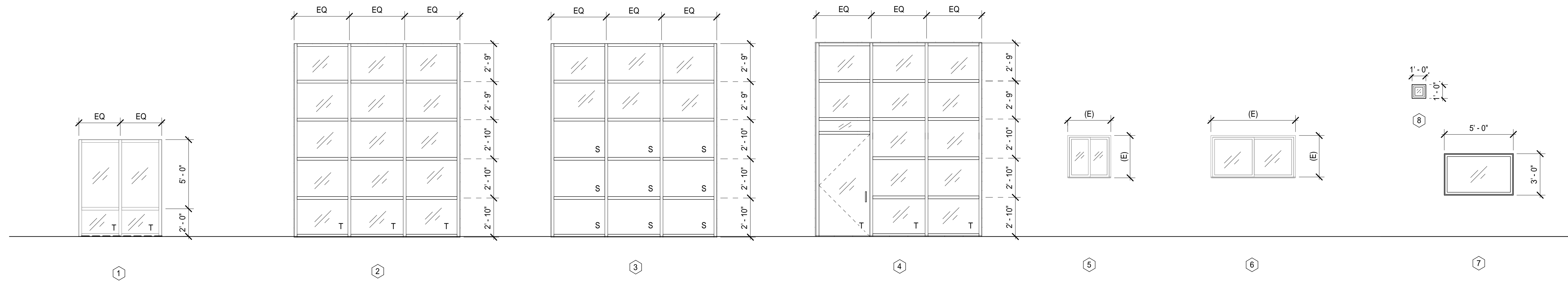
**RESTROOM ENLARGED  
 PLANS & ELEVATIONS**

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

**REVISIONS**

No.	Description	Date

JOB NO. 5006A3	SHEET <b>A610</b>
DATE 8/26/15	



T = TEMPERED GLAZING  
 S = SPANDREL PANEL  
 / = CLEAR GLAZING

1-6: GC TO FIELD VERIFY OPENING SIZE



BUTTE REGIONAL TRANSIT OPERATIONS  
 CENTER  
 326 HUSS LANE, CHICO CA

BUTTE COUNTY ASSOCIATION OF  
 GOVERNMENTS

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PROJECT STATUS:

**50% CONSTRUCTION  
 DOCUMENTS**

BUILDINGS:

SHEET TITLE:

**WINDOW SCHEDULES &  
 DETAILS**

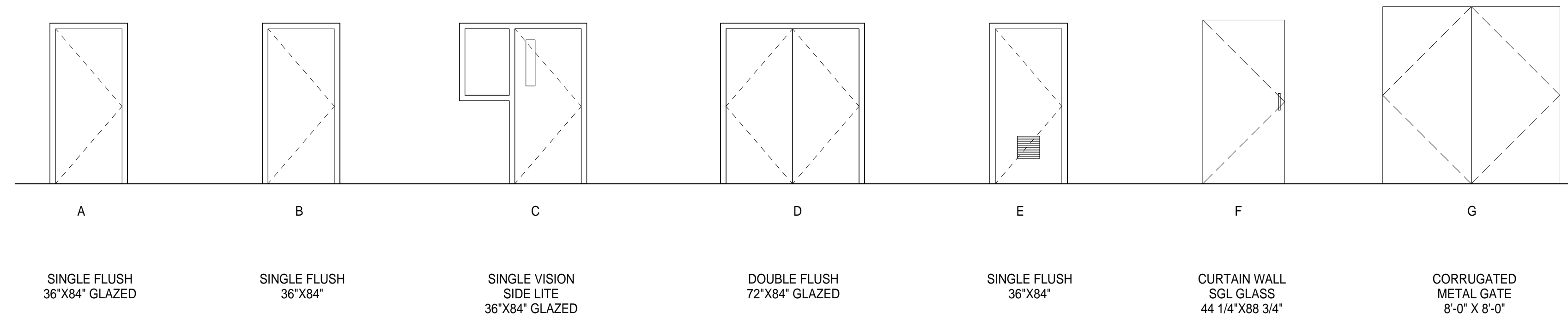
SCALE: 0 1/2 1

REVISIONS

No.	Description	Date

JOB NO. 5006A3	SHEET <b>A701</b>
DATE 8/26/15	

DOOR #	DOOR						FIRE RATING	HARDWARE	FRAME				COMMENTS
	WIDTH	HEIGHT	THICKNESS	MATERIAL	FINISH	TYPE			MATERIAL	JAMB	HEAD	SILL	
51	3'-0"	7'-0"	2"										
68	6'-0"	7'-0"	2"										
69	3'-0"	7'-0"	2"										
70	8'-0"	8'-0"											
73	3'-8"	7'-5"											
104	3'-0"	7'-0"	2"										
105	3'-0"	7'-0"	2"										
106	3'-0"	7'-0"	2"										
107	3'-0"	7'-0"	2"										
108	3'-0"	7'-0"	2"										
109	3'-0"	7'-0"	2"										
110	3'-0"	7'-0"	2"										
114	3'-0"	7'-0"	2"										
115	3'-0"	7'-0"	2"										
116	3'-0"	7'-0"	2"										
117.1	3'-0"	7'-0"	2"										
117.2	3'-0"	7'-0"	2"										
117.3	3'-0"	7'-0"	2"										
119	3'-0"	7'-0"	2"										
120	3'-0"	7'-0"	2"										
121	3'-0"	7'-0"	2"										
122	3'-0"	7'-0"	2"										
123	3'-0"	7'-0"	2"										
124	3'-0"	7'-0"	2"										
125	3'-0"	7'-0"	2"										
126	3'-0"	7'-0"	2"										
127	3'-0"	7'-0"	2"										
128	3'-0"	7'-0"	2"										
129	3'-0"	7'-0"	2"										
131	3'-0"	7'-0"	2"										
132	3'-0"	7'-0"	2"										
133	3'-0"	7'-0"	2"										
135	3'-0"	7'-0"	2"										
136	3'-0"	7'-0"	2"										
137	6'-0"	7'-0"	2"										



BUTTE REGIONAL TRANSIT OPERATIONS  
CENTER  
326 HUSS LANE, CHICO CA

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PROJECT STATUS:

**50% CONSTRUCTION DOCUMENTS**

BUILDINGS:

SHEET TITLE:

**DOOR SCHEDULES & DETAILS**

SCALE: 0 1/2 1

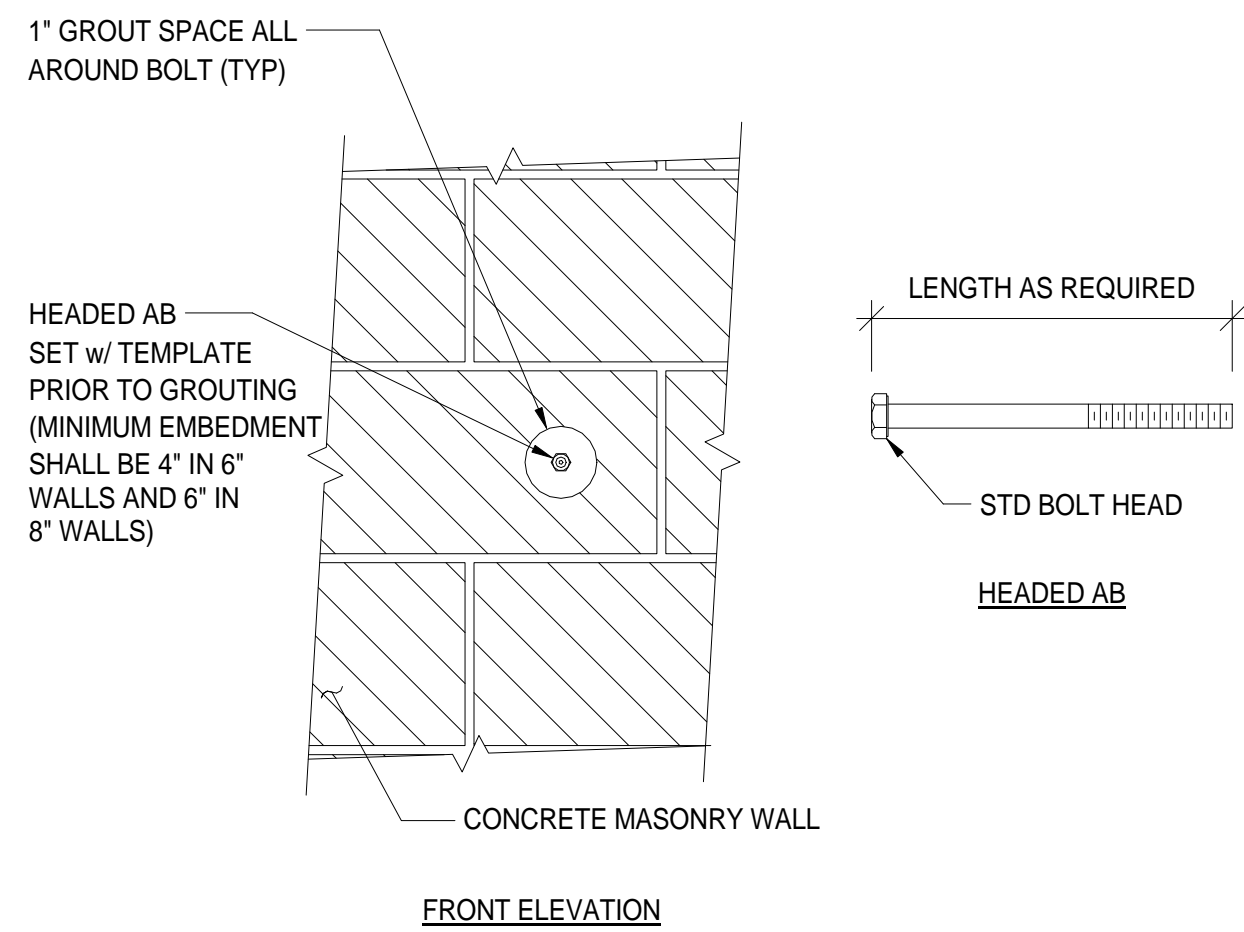
REVISIONS

No.	Description	Date

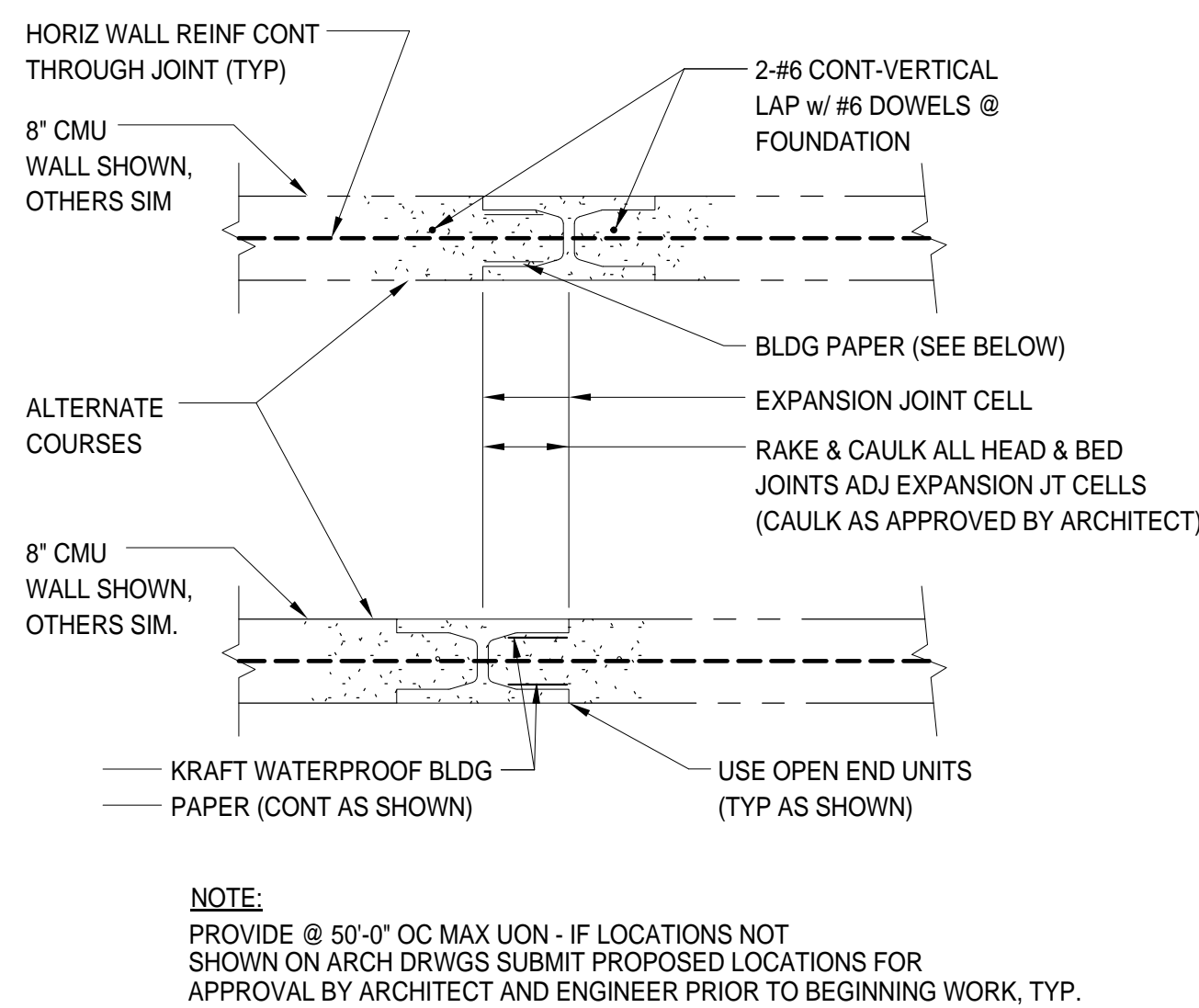
JOB NO. 5006A3	SHEET <b>A702</b>
DATE 8/26/15	



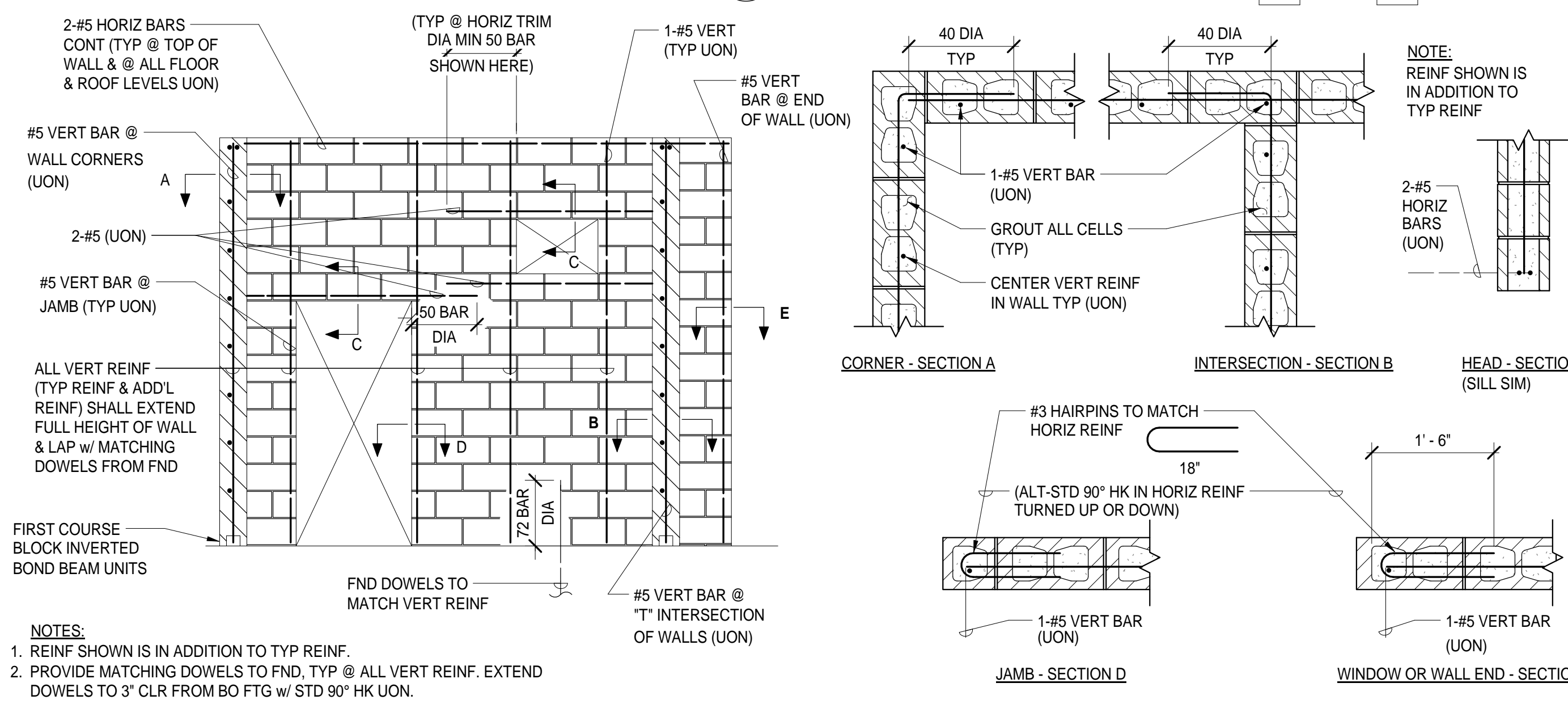




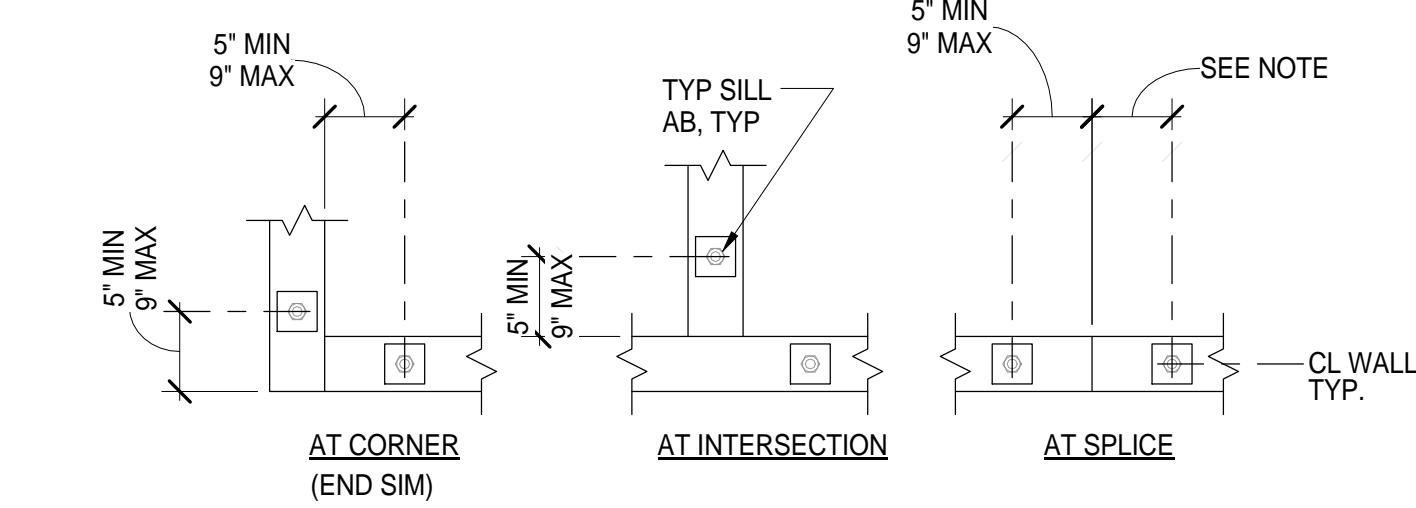
**7** TYPICAL BOLT INSTALLATION IN MASONRY DETAIL  
1 1/2" = 1'-0"



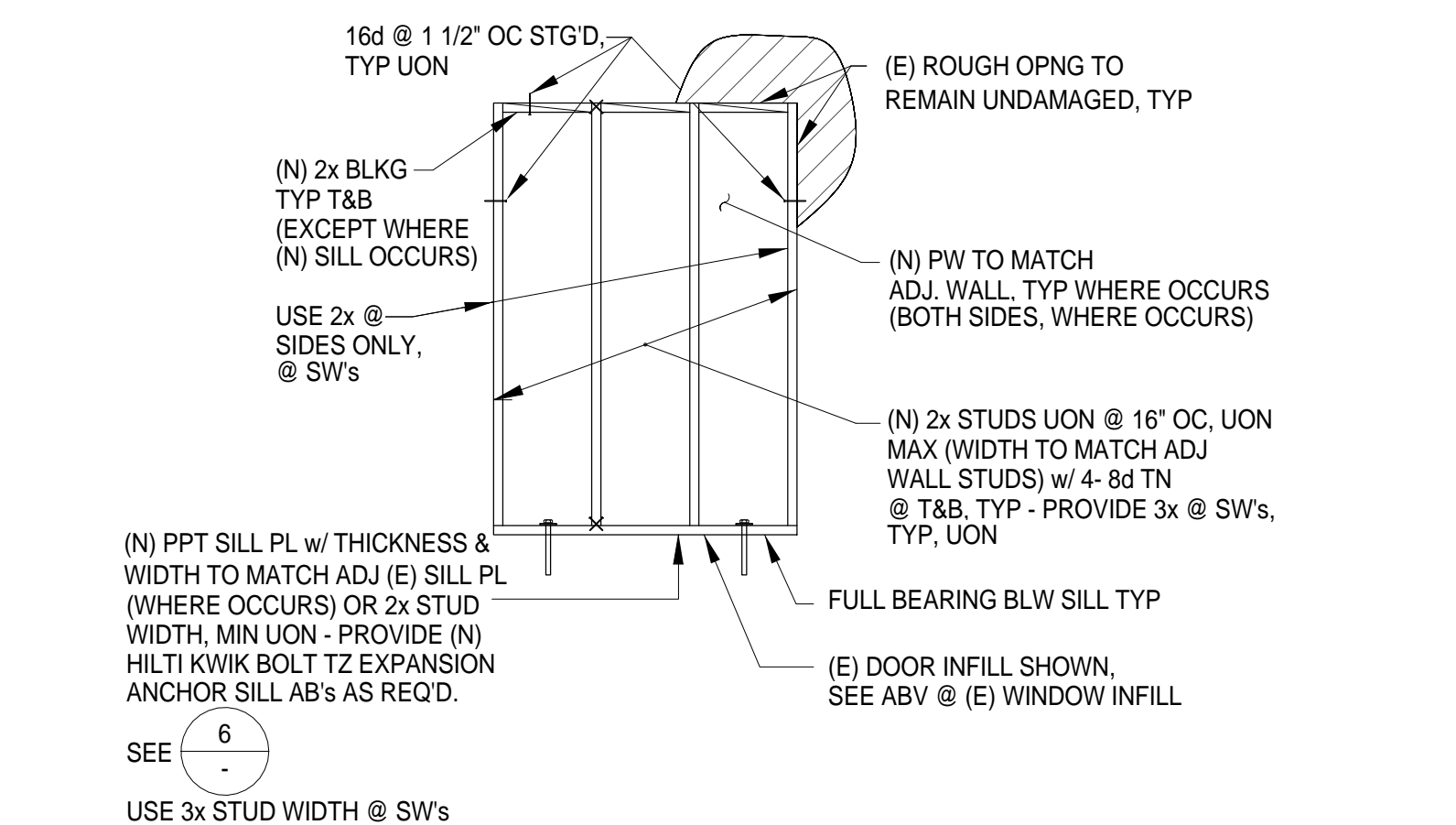
**8** TYPICAL CMU EXPANSION JOINT DETAIL  
3/4" = 1'-0"



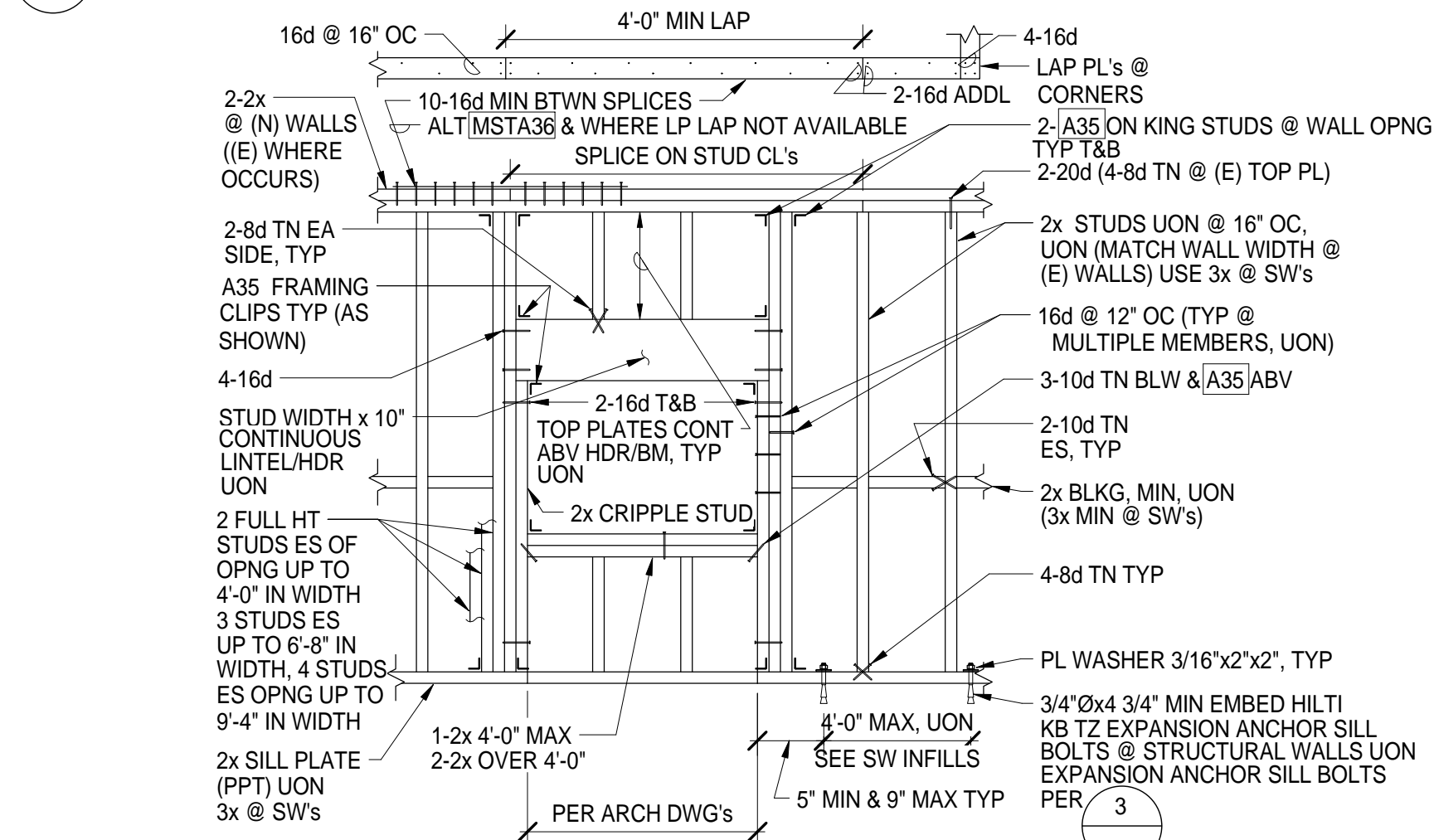
**9** TYPICAL CONCRETE MASONRY WALL DETAILS  
3/4" = 1'-0"



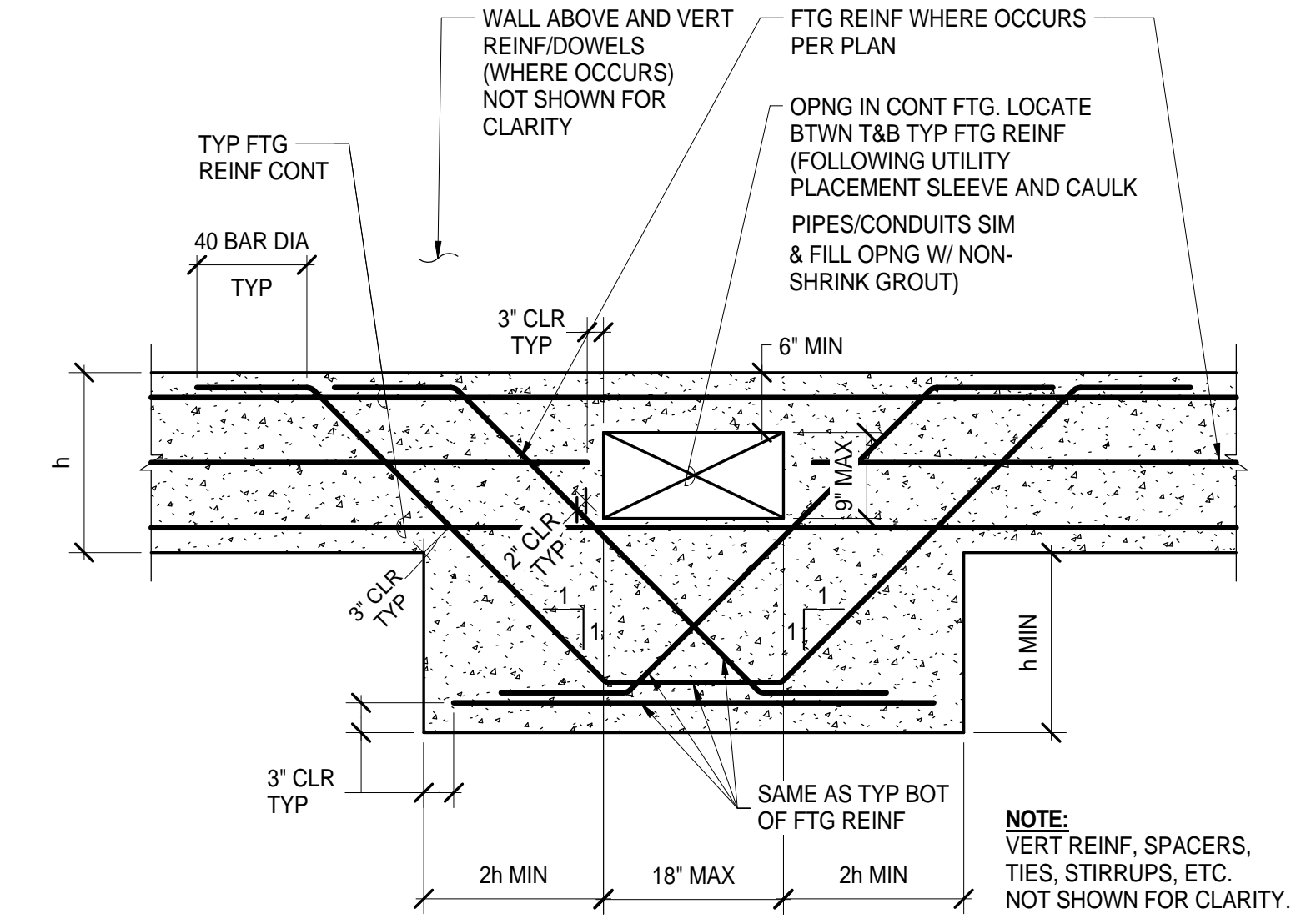
**4** TYPICAL ANCHOR BOLTS DETAIL  
1" = 1'-0"



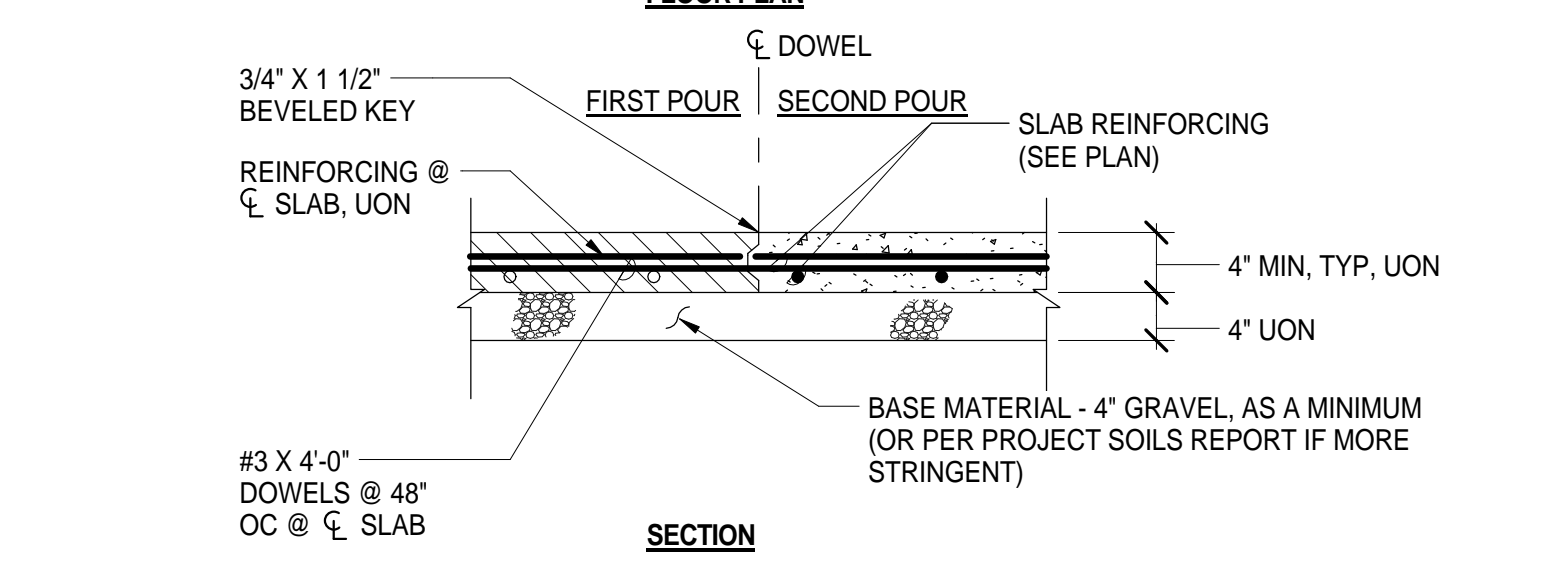
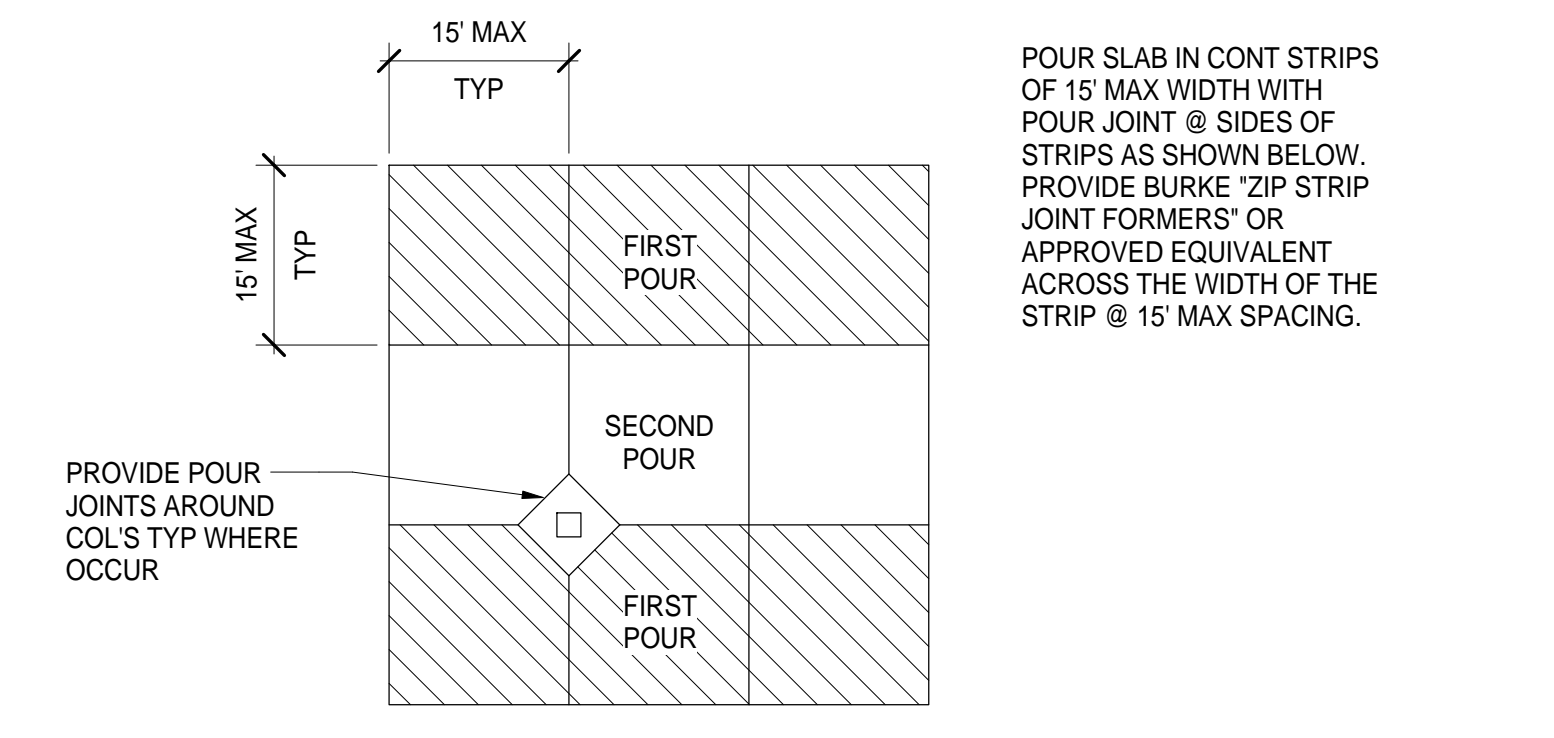
**5** TYPICAL DETAIL - (E) STUD WALL OPNG. INFILL DETAIL  
N.T.S.



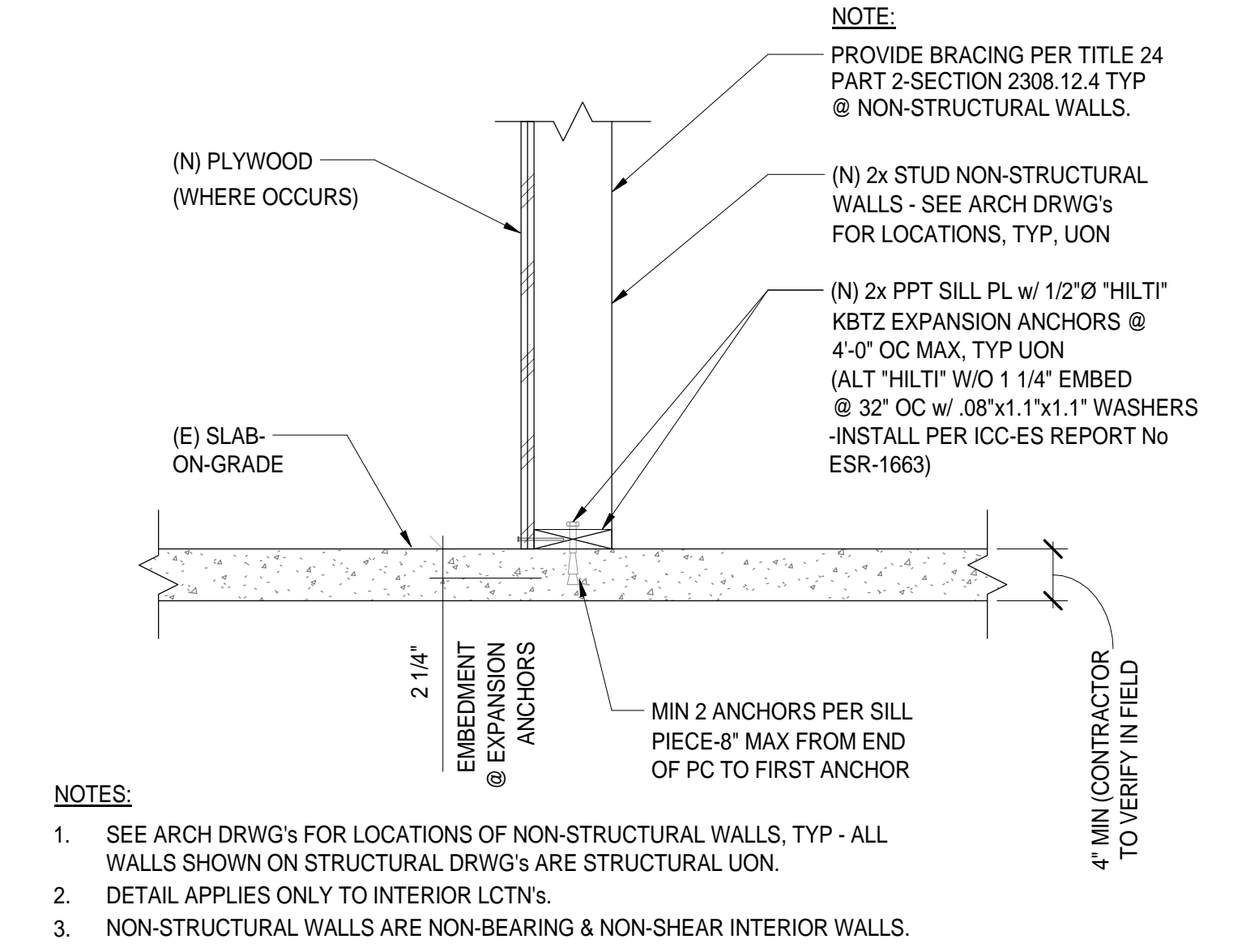
**6** TYPICAL INTR STUD WALL DETAIL  
N.T.S.



**1** TYPICAL OPENING AT FOOTING DETAIL  
3/4" = 1'-0"



**2** TYPICAL SLAB & POUR JOINT IN SLAB DETAIL  
3/4" = 1'-0"



**3** TYPICAL (N) NON-STRUCTURAL WALL @ (E) SLAB ON GRADE DETAIL  
N.T.S.

**BCAG**  
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CENTER  
326 HUSS LANE, CHICO CA

BUTTE COUNTY ASSOCIATION OF  
GOVERNMENTS

NOT FOR CONSTRUCTION

PROJECT STATUS:

50% CONSTRUCTION DOCUMENTS

BUILDINGS:

SHEET TITLE:  
STRUCTURAL TYPICAL DETAILS

SCALE: 0 1/2 1  
BASE IS ONE INCH ON ORIGINAL DRAWING. IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY.

REVISIONS

No.	Description	Date

JOB NO. 5006A3  
DATE 8/26/15

**S003**



NOT FOR CONSTRUCTION

PROJECT STATUS:

50% CONSTRUCTION  
DOCUMENTS

BUILDINGS:

SHEET TITLE:

STRUCTURAL TYPICAL  
DETAILS

SCALE: 0 1/2 1  
BASE IS ONE FOOT ON ORIGINAL  
DRAWING. IF NOT ONE FOOT ON THIS  
SHEET, ADJUST SCALES ACCORDINGLY

REVISIONS

No.	Description	Date

JOB NO.

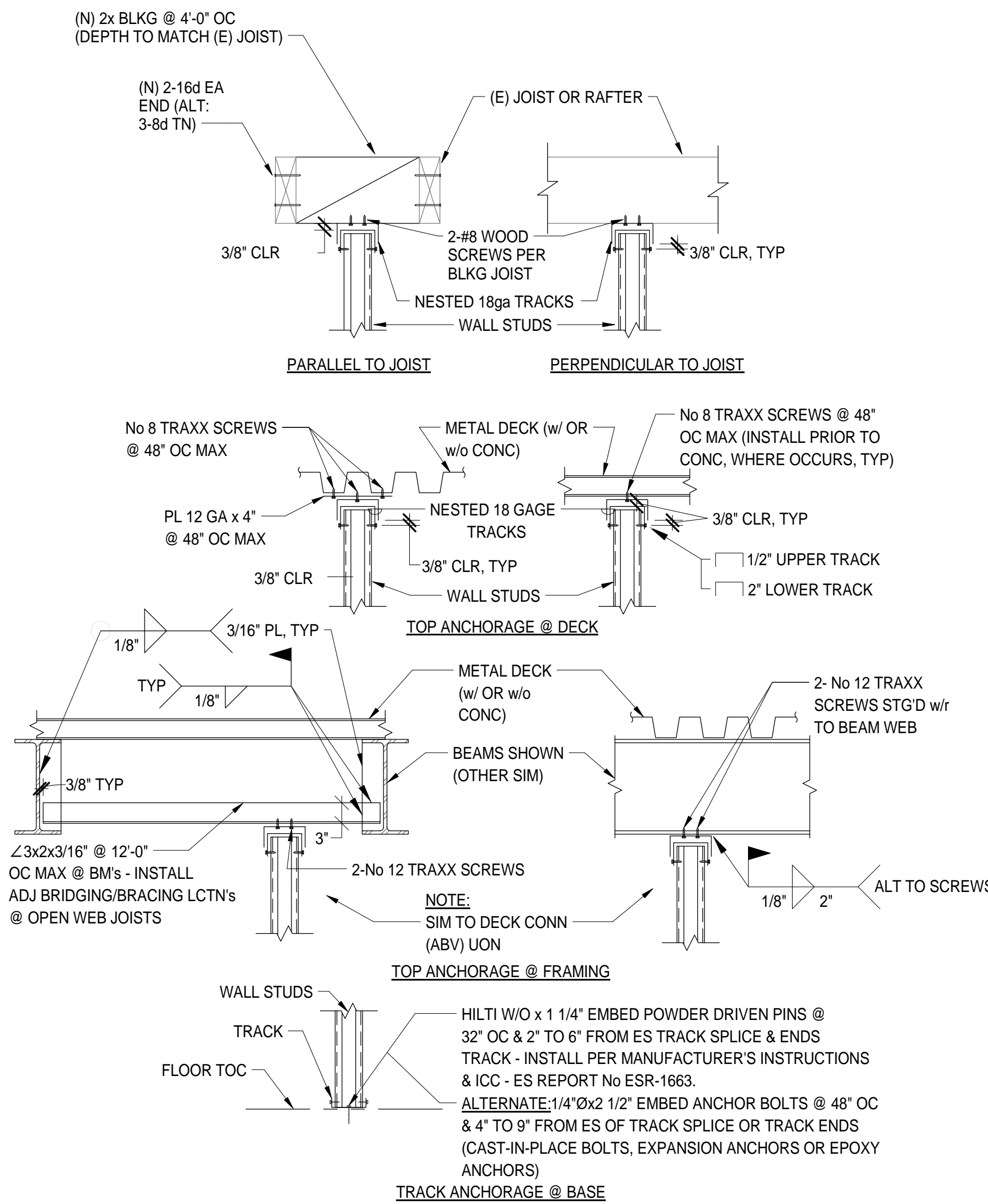
5006A3

DATE

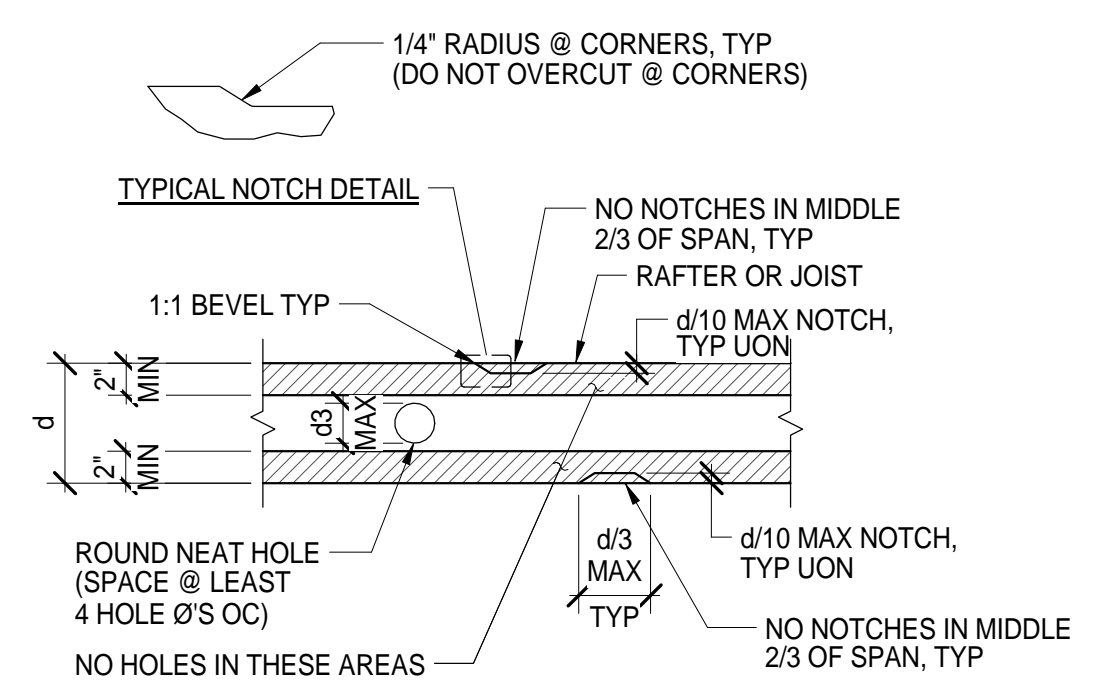
8/26/15

SHEET

**S004**



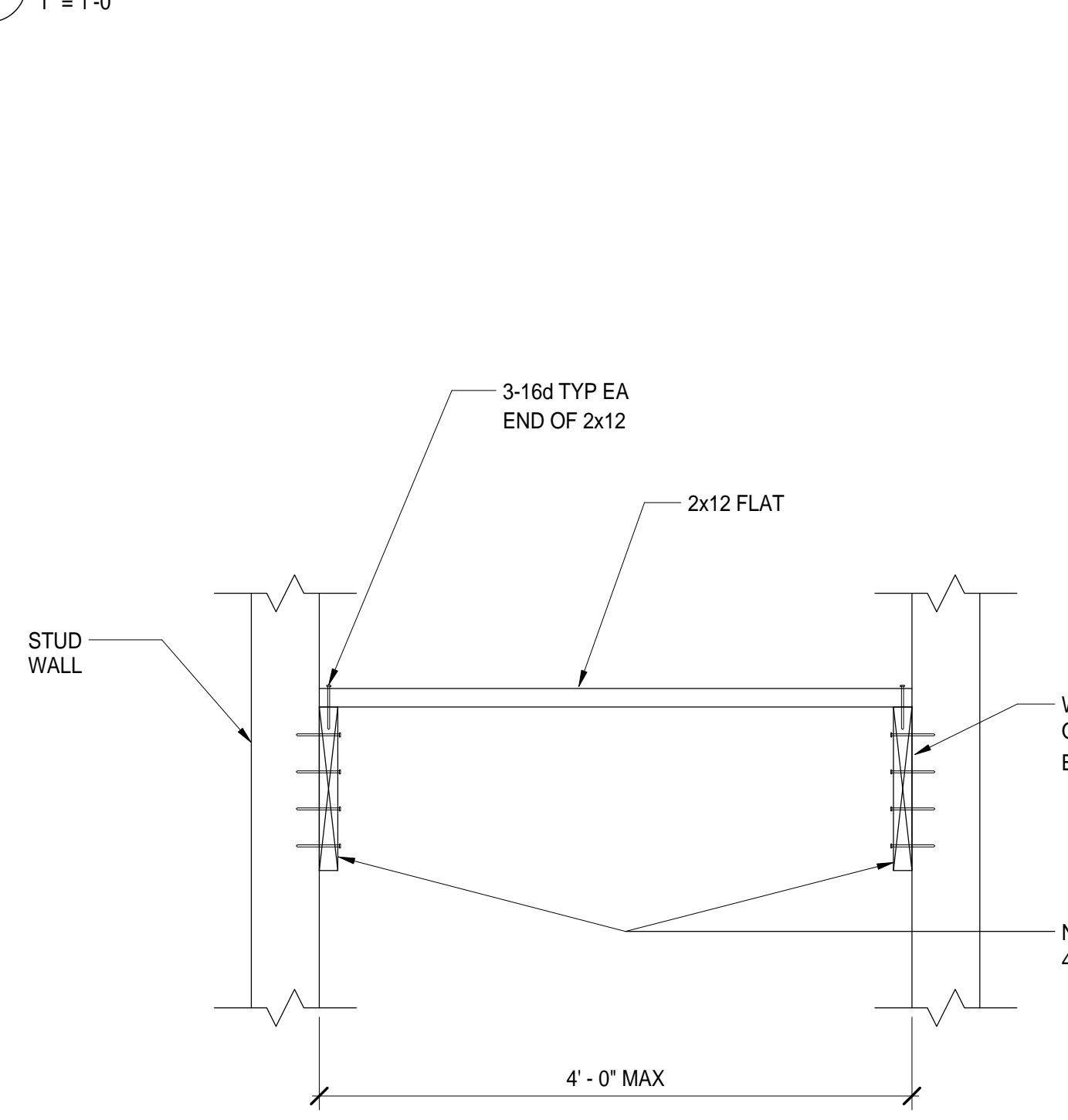
1  
1/2" = 1'-0"



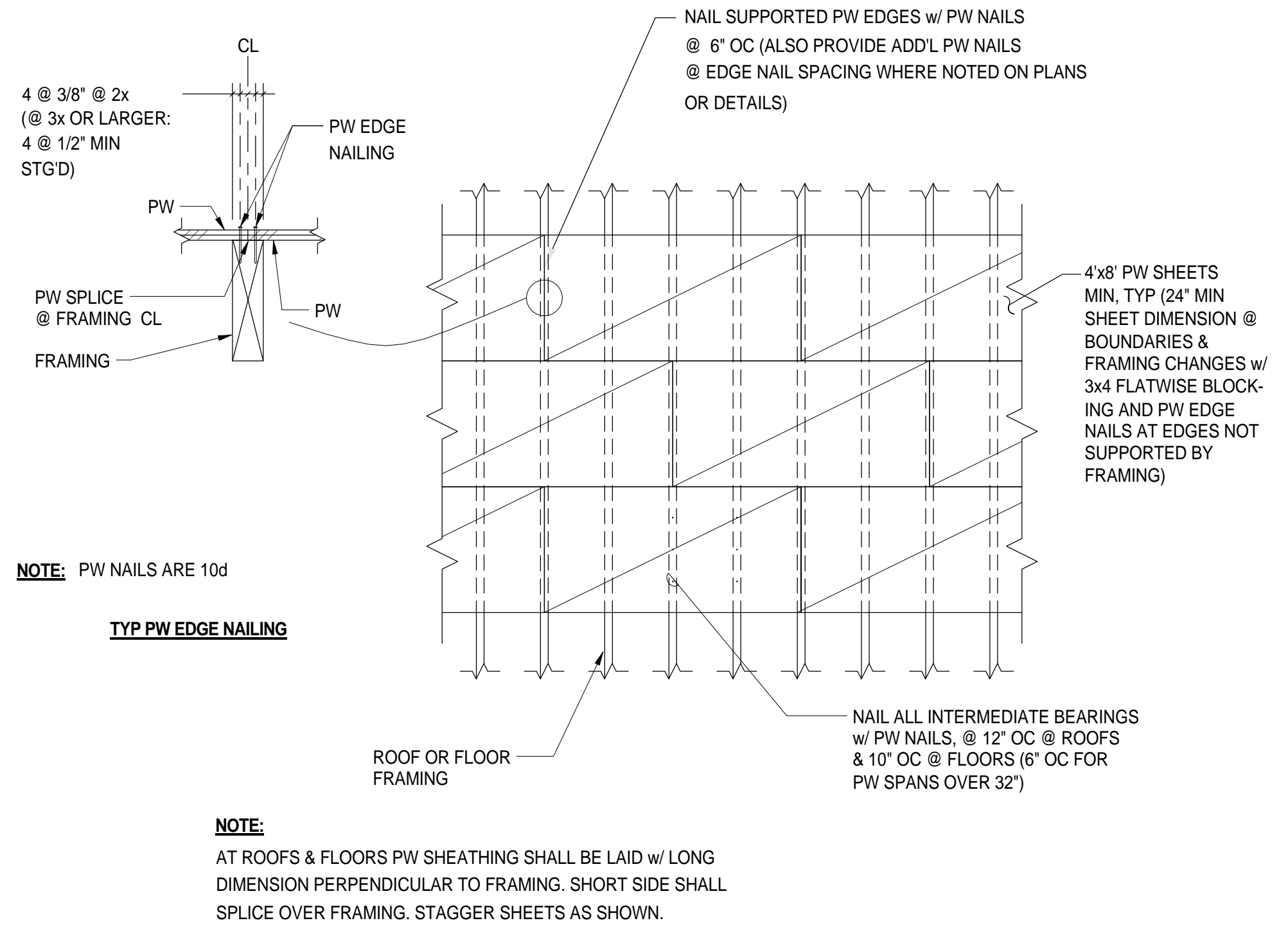
**NOTE:**  
1. DO NOT NOTCH ENDS @ BEARING POINTS, UNLESS DETAILED SPECIFICALLY ON PLANS (AND IN NO CASE EXCEED d/4)  
2. NO MORE THAN ONE INTR NOTCH ALLOWED PER MEMBER

5  
1" = 1'-0"

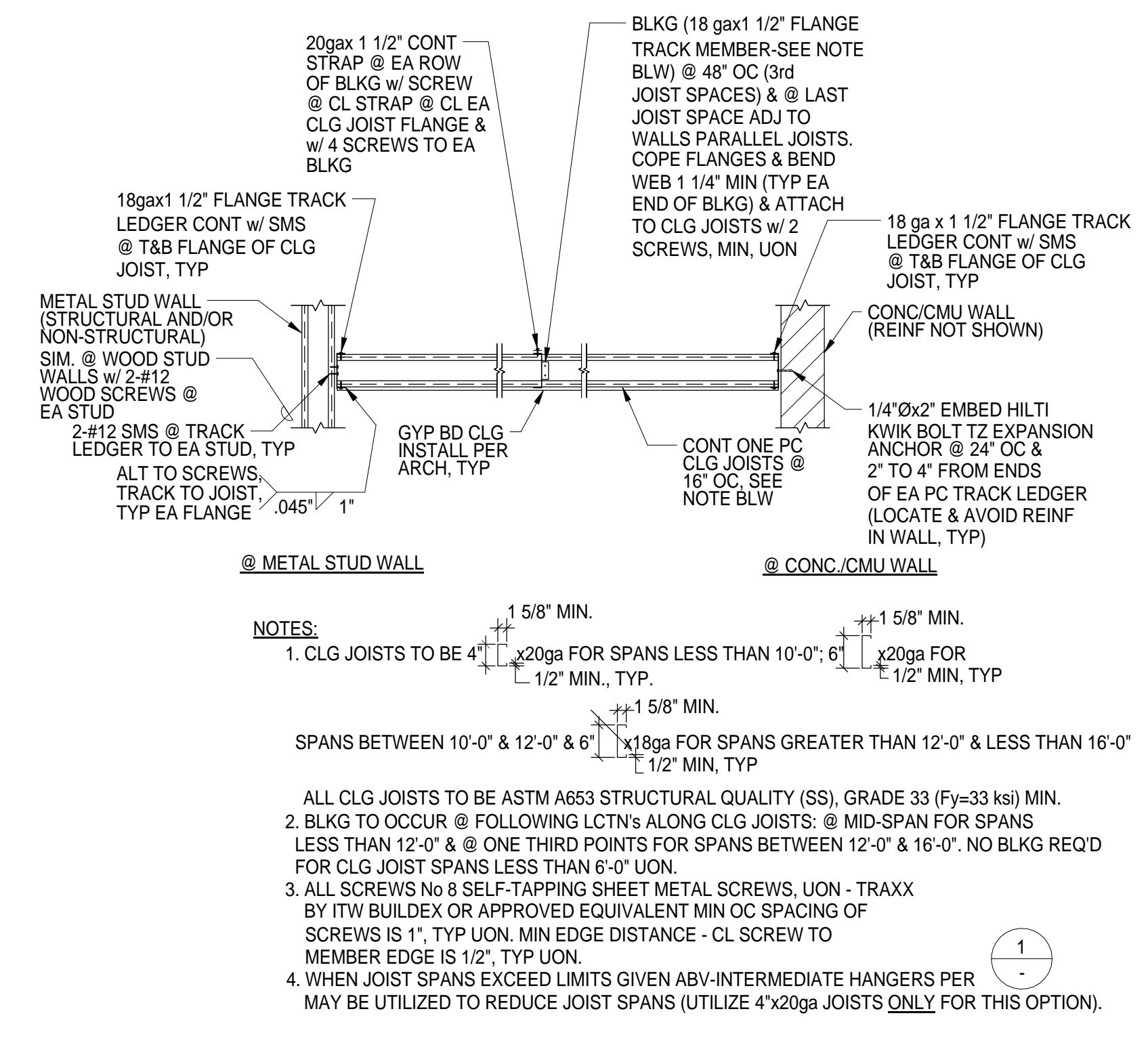
3  
1" = 1'-0"



4  
1" = 1'-0"



6  
1" = 1'-0"



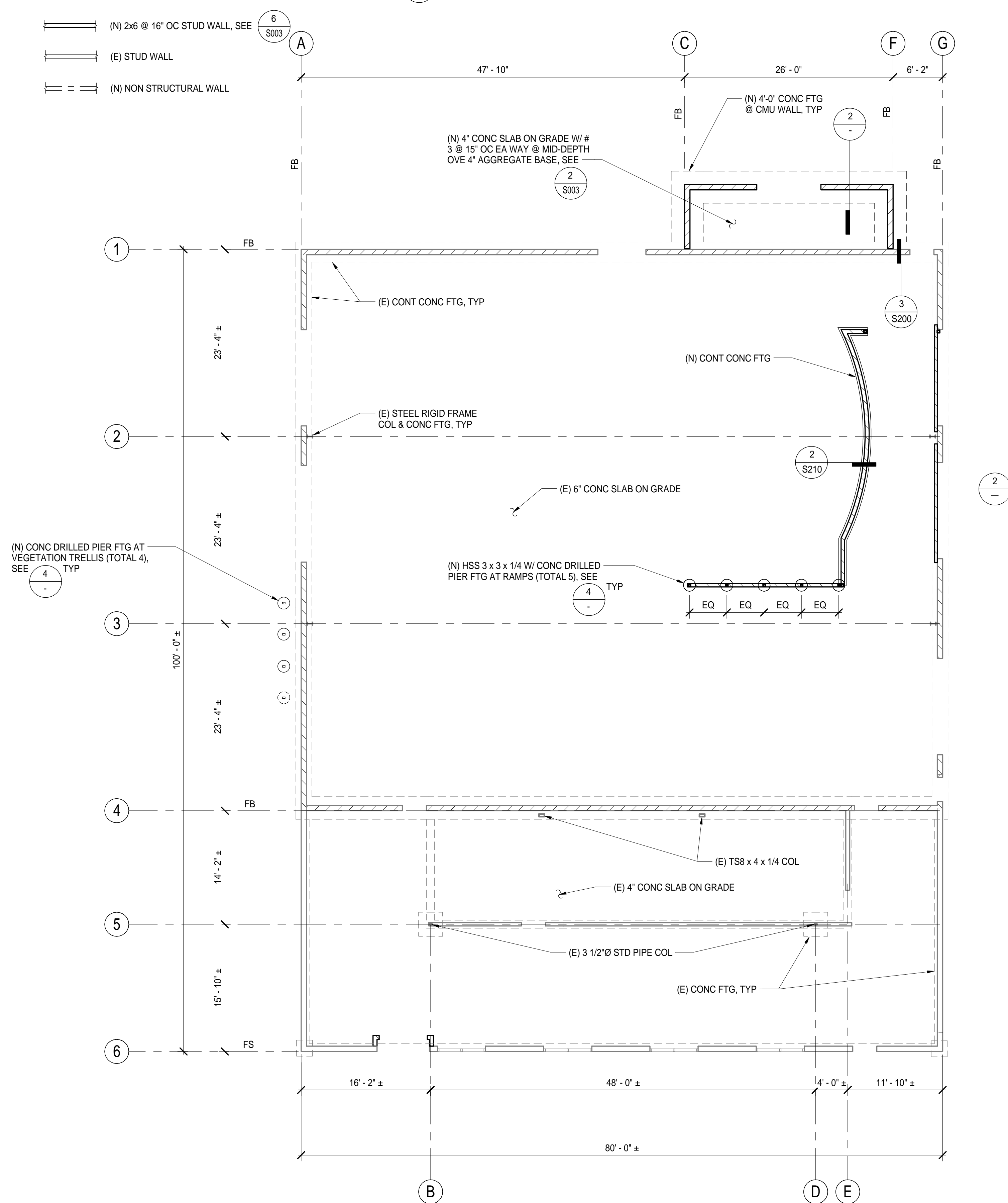
2  
1/2" = 1'-0"

**LEGEND:**

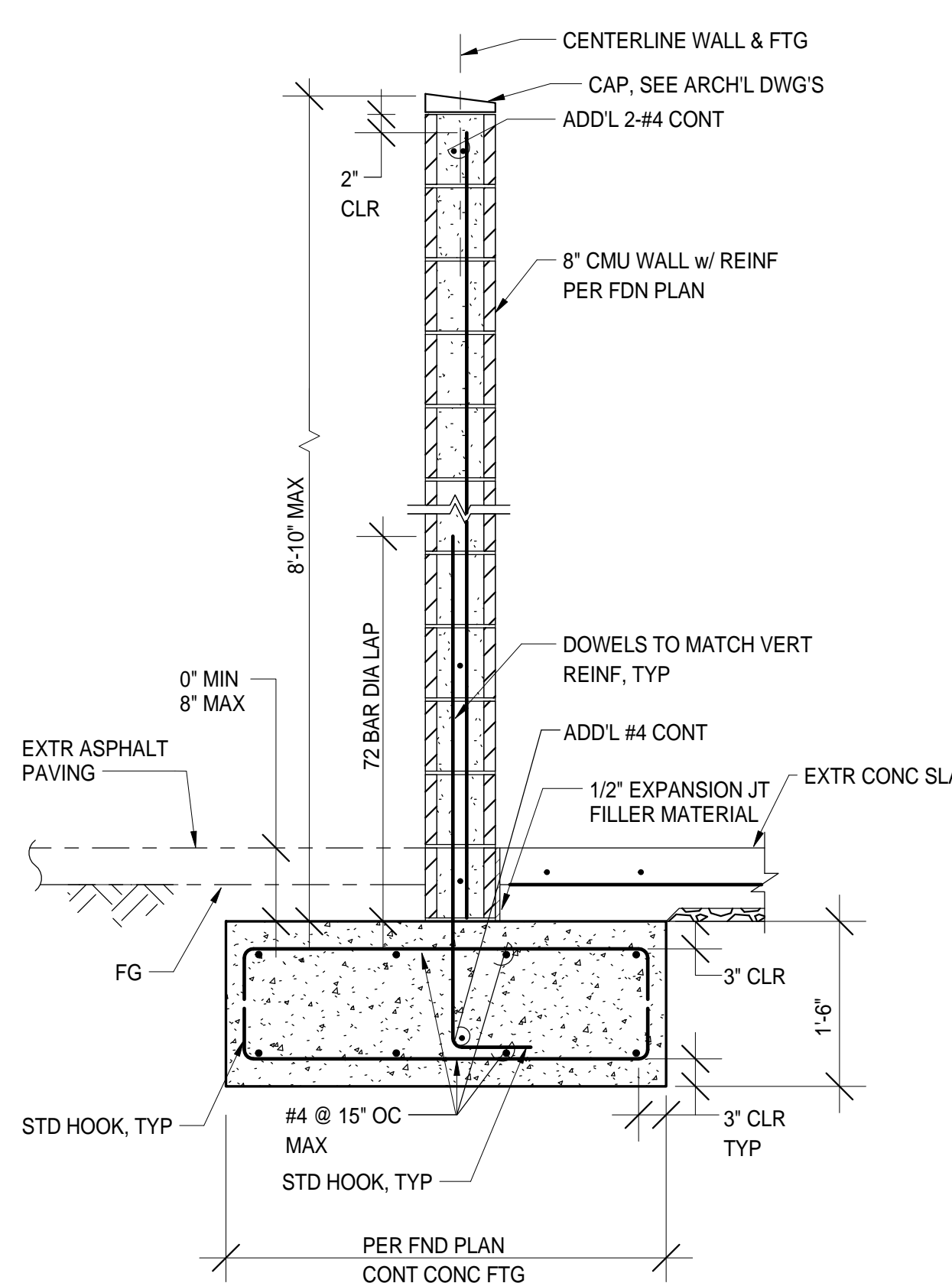
- (N) 8" CMU WALL GROUTED SOLID, W/ #5 @ 16" OC VERT @ CL WALL & #4 @ 24" OC HORIZ
- (E) 8" CMU WALL
- (N) 2x6 @ 16" OC STUD WALL, SEE S003
- (E) STUD WALL
- (N) NON STRUCTURAL WALL

**FOUNDATION NOTES:**

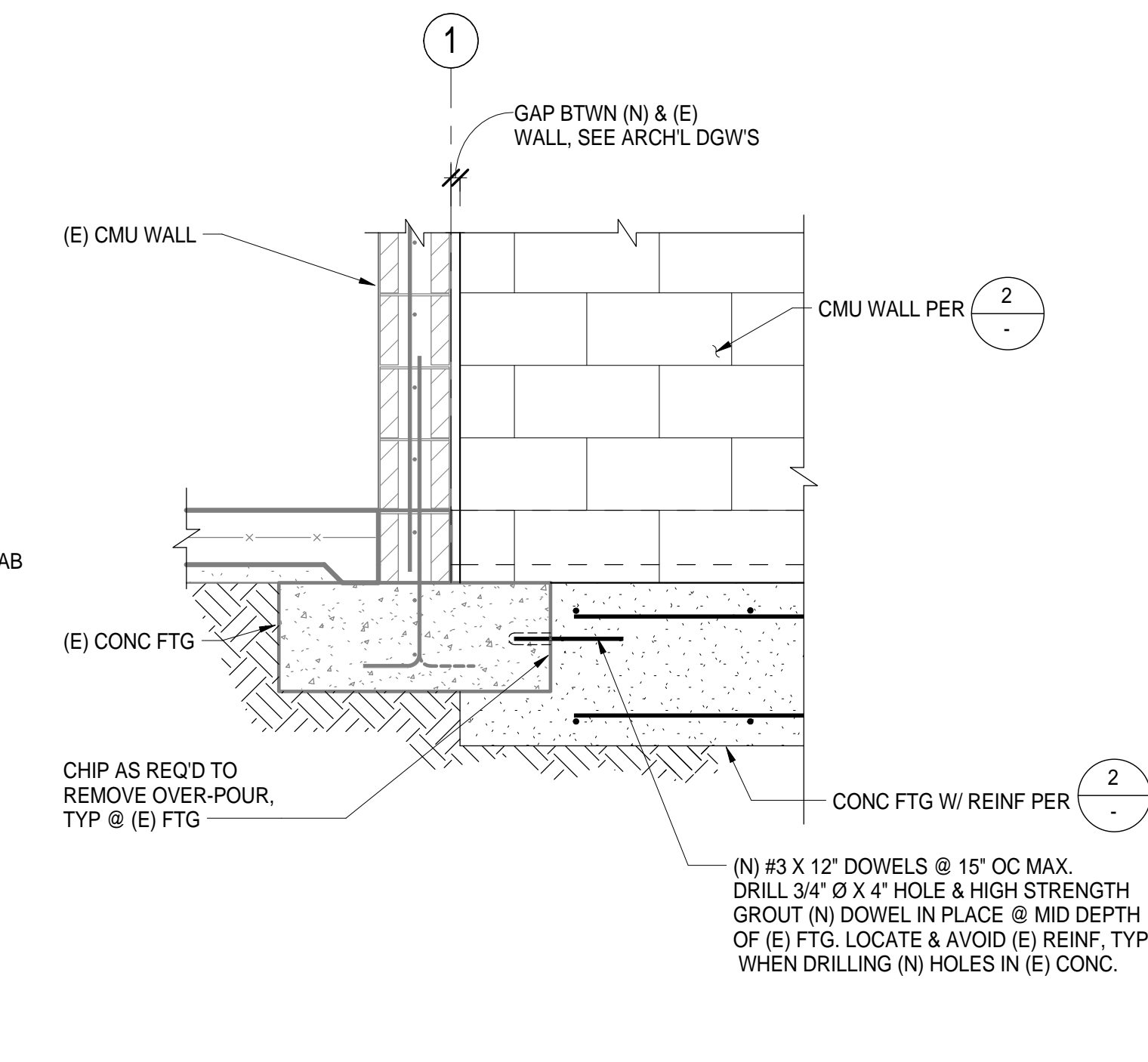
1. VERIFY ALL DIMENSIONS WITH ARCH'L DWG'S. IN CASE OF CONFLICT, ARCH'L DWG'S WILL GOVERN.
2. AT (N) NON-STRUCTURAL WALLS (SOWN ON ARCH'L DWG'S), SEE A201



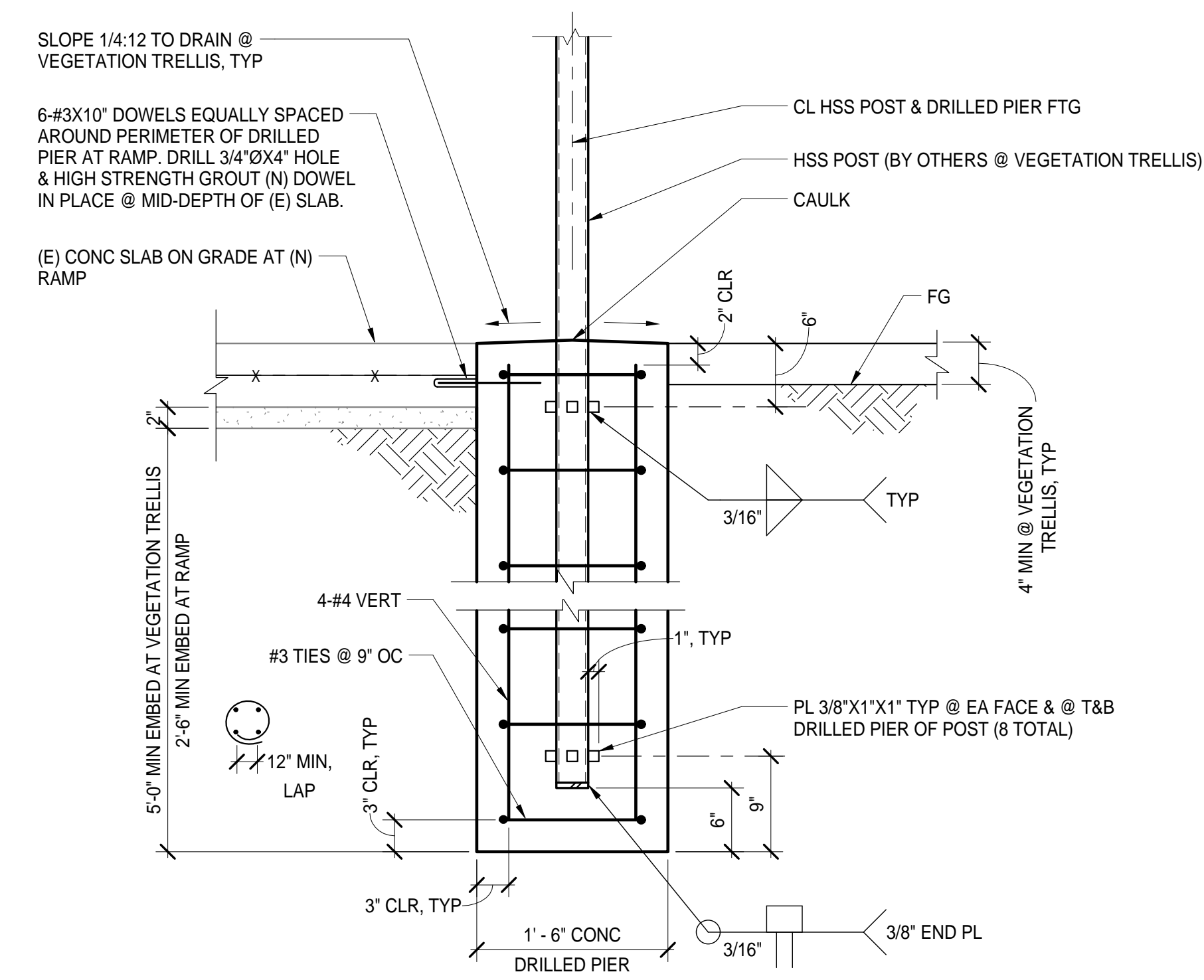
**1 FOUNDATION PLAN**  
1/8" = 1'-0"



**2 FTG DETAIL - TYPICAL SITE FENCE**  
3/4" = 1'-0"



**3 (N) CMU WALL ADJACENT (E) CMU WALL**  
3/4" = 1'-0"



**4 CONCRETE DRILLED PIER FOOTING DETAIL**  
1" = 1'-0"



Capital Expenditure Managers  
Gateway Oaks Drive  
Suite 300  
Sacramento, CA. 95833  
(916) 648-9700



BUTTE REGIONAL TRANSIT OPERATIONS  
CENTER  
326 HUSS LANE, CHICO CA

BUTTE COUNTY ASSOCIATION OF  
GOVERNMENTS

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PROJECT STATUS:

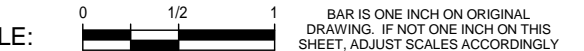
**50% CONSTRUCTION DOCUMENTS**

BUILDINGS:

SHEET TITLE:

**FOUNDATION PLAN & DETAILS**

SCALE:



**REVISIONS**

No.	Description	Date

JOB NO.

5006A3

DATE

8/26/15

SHEET

**S200**

NOT FOR CONSTRUCTION

PROJECT STATUS:

50% CONSTRUCTION  
DOCUMENTS

BUILDINGS:

SHEET TITLE:

ENLARGED PLATFORM /  
RAMP FRAMING PLAN &  
DETAILS

SCALE: 1" = 1'-0"

REVISIONS

No.	Description	Date

JOB NO.

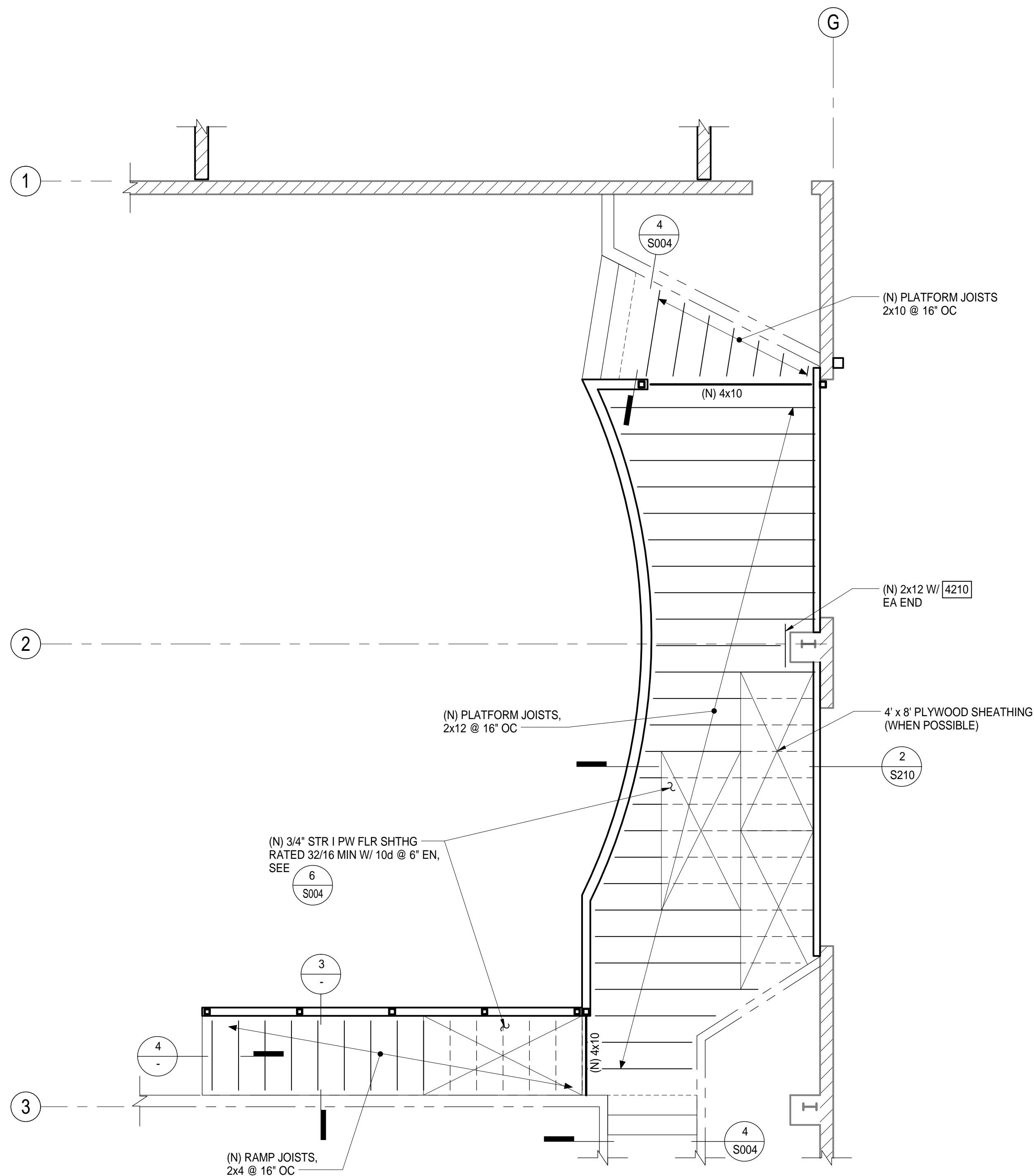
5006A3

DATE

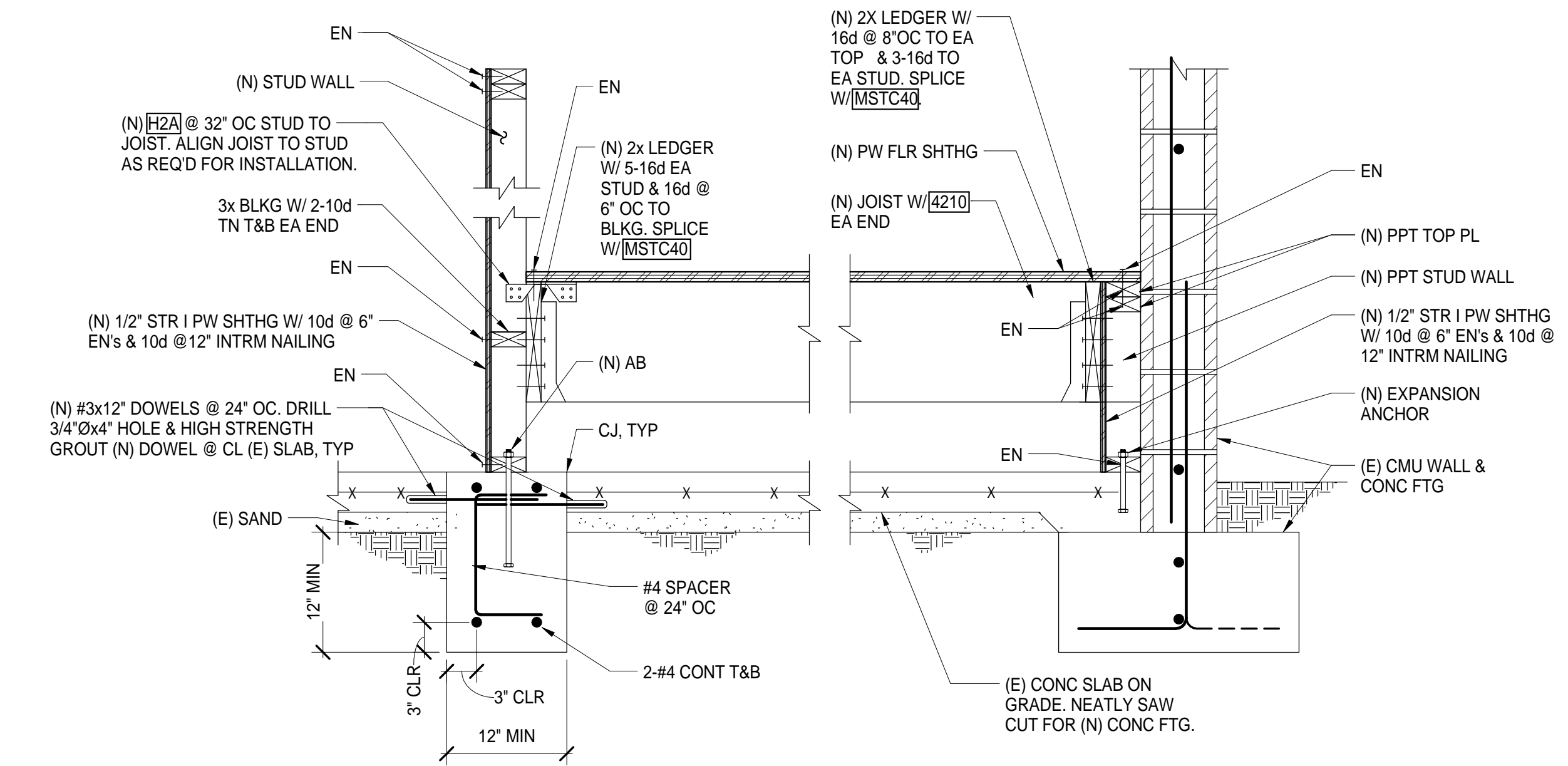
8/26/15

SHEET

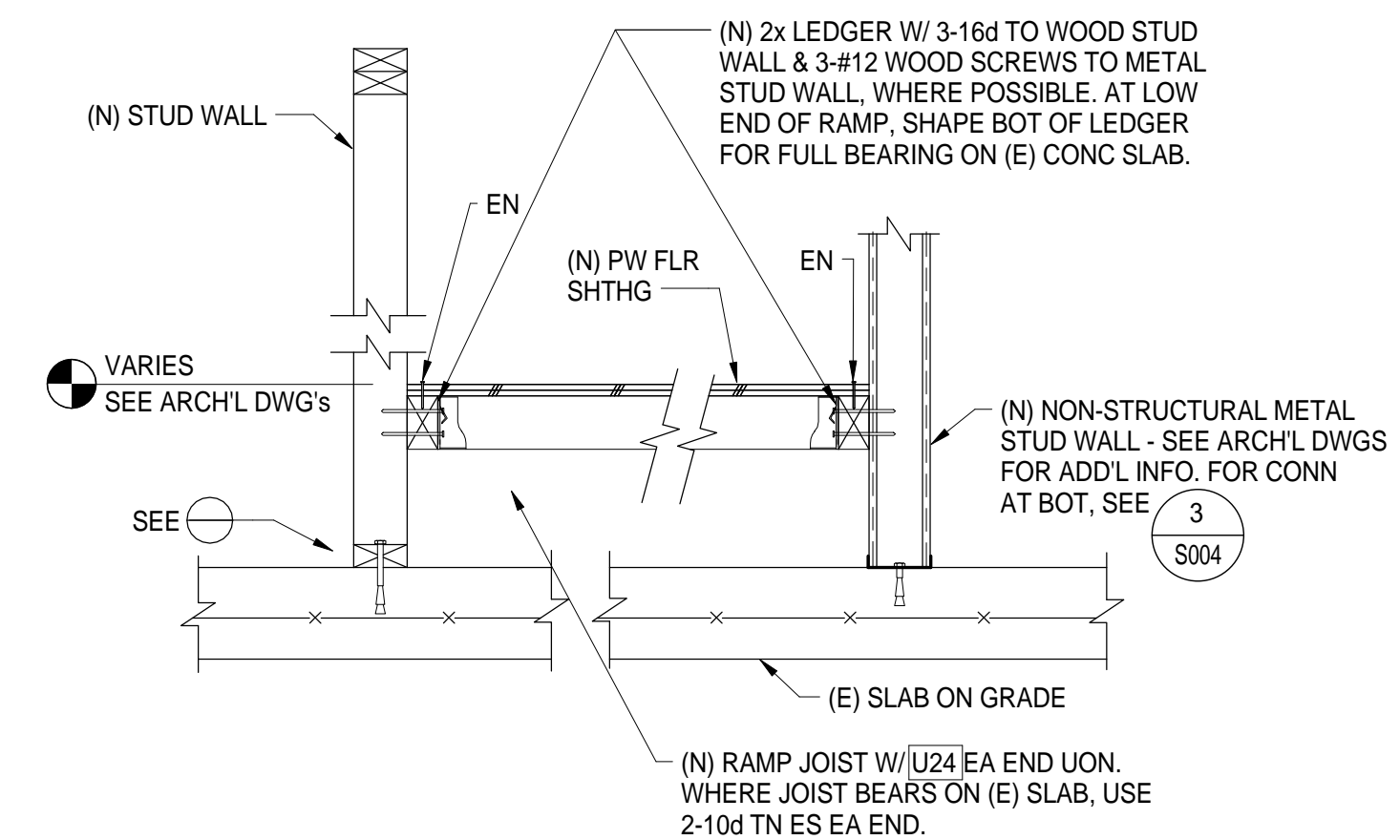
**S210**



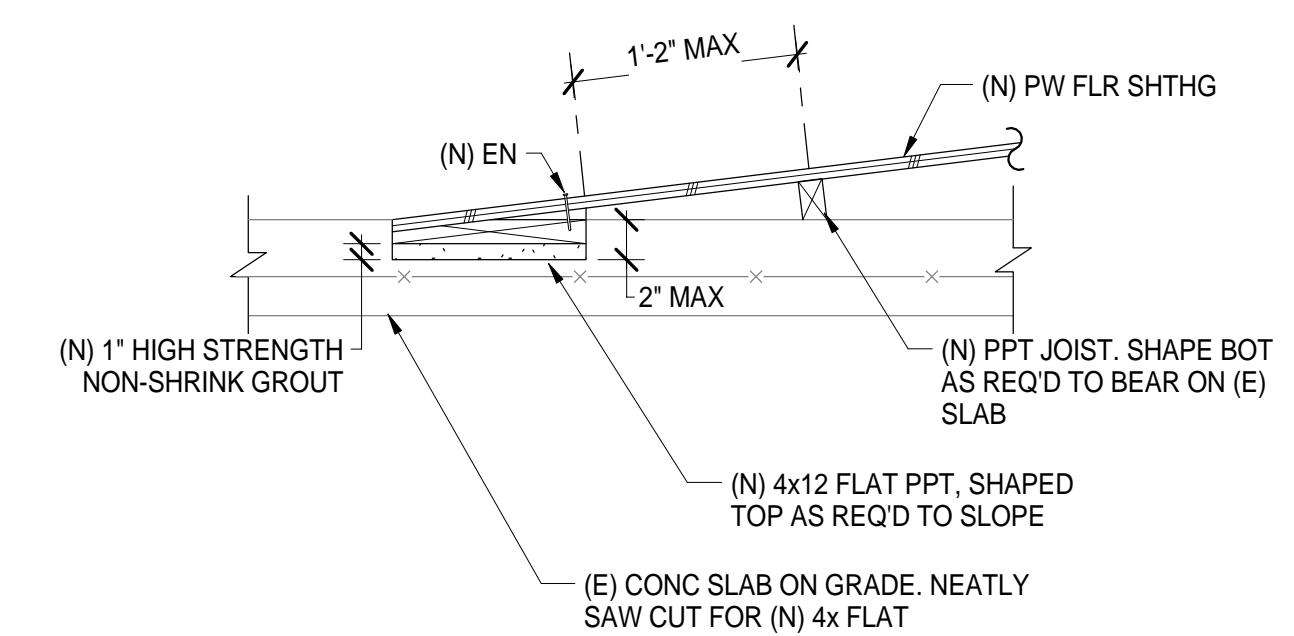
1 ENLARGED PLATFORM & RAMP FRAMING PLAN  
1/4" = 1'-0"



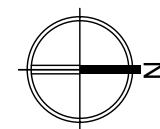
2 SECTION - NEW RAISED PLATFORM  
1" = 1'-0"



3 SECTION - NEW RAMP  
1" = 1'-0"



4 SECTION - NEW RAMP LANDING  
1" = 1'-0"



MECHANICAL ABBREVIATIONS			
SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
AB	ANCHOR BLOCK	HHWR	HEATING HOT WATER RETURN
ABC	ABOVE CEILING	HHWS	HEATING HOT WATER SUPPLY
AC	AIR CONDITIONING UNIT	HP	HORSE POWER
ACC DR	ACCESS DOOR	HTG	HEATING
ACC P	ACCESS PANEL	HV	HAND VALVE
ACU	AIR CONDITIONING UNIT	HW	HOT WATER
AFF	ABOVE FINISHED FLOOR	HWR	HOT WATER RETURN
AHU	AIR HANDLING UNIT	HWS	HOT WATER SUPPLY
APD	AIR PRESSURE DROP, INCHES WATER COLUMN	HX	HEAT EXCHANGER
APPROX	APPROXIMATE	HXP-#	HEAT EXCHANGER PUMP NUMBER
ARCH	ARCHITECTURAL	IE	INVERT ELEVATION
ATTEN	ATTENUATORS	IN 2	INCHES
ATV	ACOUSTIC TURNING VANE ABOVE	IN. (")	INCH
ABV	ABOVE	IU	INDOOR UNIT FAN COIL
BD	BALANCE DAMPER	KEF	KITCHEN EXHAUST FAN
BDD	BACK DRAFT DAMPER	KW	KILOWATTS
BFV	BUTTERFLY VALVE	LBS	POUNDS
BHP	BRAKE HORSE POWER	LD	LOUVERED DOOR
BLDG	BUILDING	LDB	LEAVING DRY BULB
BOD/P	BOTTOM OF DUCT/PIPE	LOD	LIMIT OF DEMOLITION
BP	BID PACKAGE	LRA	LOCKED ROTOR AMPS
BTUH	BRITISH THERMAL UNITS PER HOUR	LTCP	LOCAL TEMPERATURE CONTROL PANEL
CAP	CAPACITY	LVR	LOUVER
CBC	CALIFORNIA BUILDING CODE	LWB	LEAVING WET BULB
CBV	CALIBRATED BALANCE VALVE	MAU	MAKE-UP AIR UNIT
CD	CONDENSATE DRAIN	MAV	MANUAL AIR VENT
CEF	CEILING EXHAUST FAN	MAX	MAXIMUM
CFH	CUBIC FEET OF GAS PER HOUR	MBH	THOUSAND BTUs PER HOUR
CFM,f	CUBIC FEET OF AIR FLOW PER MINUTE	MCC	MOTOR CONTROL CENTER
CH	CHILLER	MD	MOTORIZED
CHV	CHECK VALVE	MECH	MECHANICAL
CHWP	CHILLED WATER PUMP	MFR	MANUFACTURER
CHWS/R	CHILLED WATER SUPPLY/RETURN	MIN	MINIMUM
CLG	CEILING	N	NEW
CLR	CLEAR	OA	OUTSIDE AIR
CMC	CALIFORNIA MECHANICAL CODE	OAD	OUTSIDE AIR DAMPER
CONC	CONCRETE	OC	ON CENTER
COND	CONDENSER	OD	OUTSIDE DIAMETER
CONN	CONNECT/CONNECTION	OH	OVERHEAD
CONT	CONTINUATION	OU	OUTSIDE UNIT CONDENSOR
CONTR	CONTRACTOR	OV	OUTLET VELOCITY
CT	COOLING TOWER	PD	PRESSURE DROP
CU	CONDENSING UNIT	PRV	PRESSURE REGULATING VALVE PRESSURE REDUCING VALVE/
CVRH	CONSTANT AIR VOLUME CONTROLLER WITH REHEAT COIL	PSI (G) (A)	POUNDS PER SQUARE INCH (GAUGE) (ABSOLUTE)
CWP	CONDENSER WATER PUMP	RA	RETURN AIR
CWR	CONDENSER WATER RETURN	RAD	RETURN AIR DAMPER
CWS	CONDENSER WATER SUPPLY	REF	ROOF EXHAUST FAN
DGP	DATA GATHERING PANEL	RF	RETURN FAN
DIA, ø	DIAMETER	RPM	REVOLUTIONS PER MINUTE
DL	DOOR LOUVER	RV	RELIEF VENTILATOR
DN	DOWN	S & R	SUPPLY AND RETURN
DPR	DAMPER	SA	SUPPLY AIR
DTR	DOWN THROUGH ROOF	SAD	SEE ARCHITECTURAL DRAWINGS
DWG	DRAWING	SB	SECURITY BARS
°F	DEGREES FAHRENHEIT	SD	SPLITTER DAMPER
E	EXISTING	SEC	SECTION
EA	EXHAUST AIR	SF	SUPPLY FAN
EAD	EXHAUST AIR DAMPER	SFM	STATE FIRE MARSHAL
EC	EVAPORATIVE COOLER	SG	STEAM GENERATOR
EDB	ENTERING DRY BULB	SM	SHEET METAL
EER	ENERGY EFFICIENCY RATING	SOV	SHUT OFF VALVE
EF	EXHAUST FAN	SP	STATIC PRESSURE
EL	ELEVATION	SPD	STATIC PRESSURE DROP
ELEC	ELECTRIC/ELECTRICAL	SQ FT	SQUARE FEET
ENT	ENTERING	SQ IN	SQUARE INCHES
EQUIP	EQUIPMENT	SSTL	STAINLESS STEEL
ESP	EXTERNAL STATIC PRESSURE	STR	STRAINER
EVAP	EVAPORATOR	STRUCT	STRUCTURAL
EW	ENTERING WATER	TCP	TEMPERATURE CONTROL PANEL
EWB	ENTERING WET BULB	TCV	TEMPERATURE CONTROL VALVE
EWC	ELECTRIC WATER COOLER	TEMP	TEMPERATURE
EWT	ENTERING WATER TEMPERATURE	TFH	THERMAL FLUID HEATER
EXH	EXHAUST	TG	TRANSFER GRILLE
FC	FLEXIBLE CONNECTION	THK	THICK
FCU	FAN COIL UNIT	TOD	TOP OF DUCT
FCV	FLOW CONTROL VALVE	TP	TOTAL PRESSURE
FD	FIRE DAMPER	TSP	TOTAL STATIC PRESSURE
FF	FLY FAN	TX	TOILET EXHAUST
FIN	FINISH	TYP	TYPICAL
FLA	FULL LOAD AMPS	UBC	UNIFORM BUILDING CODE
FLR	FLOOR	UCD	UNDERCUT DOOR
FO	FUEL OIL	UDF	UNDER FLOOR
FOR	FUEL OIL RETURN	UFC	UNIFORM FIRE CODE
FOS	FUEL OIL SUPPLY	UG	UNDER GROUND
FBM	FEET PER MINUTE	UON	UNLESS OTHERWISE NOTED
FRC	FIRING RANGE CLASSROOM	UTR	UP THROUGH ROOF
FSD	FIRE AND SMOKE DAMPER		
FT 2	SQUARE FEET		
FT (")	FOOT OR FEET		
GA	GAUGE		
GALV	GALVANIZED		
GI	GALVANIZED IRON		
GPH	GALLONS PER HOUR		
GPM	GALLONS PER MINUTE		
GX	GENERAL EXHAUST		

HYDRONIC SYMBOLS			
SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
	HEATING HOT WATER SUPPLY	V (VTR)	VENT (VENT THROUGH ROOF)
	HEATING HOT WATER RETURN	VAV	VARIABLE AIR VOLUME CONTROLLER
	CONDENSATE DRAIN	VD	VOLUME DAMPER
	COLD WATER	VLV	VALVE
	INDIRECT DRAIN	VSD	VARIABLE SPEED DRIVE
	REFRIGERANT SUCTION PIPING	VVRH	VARIABLE AIR VOLUME CONTROLLER WITH REHEAT COIL
	REFRIGERANT LIQUID PIPING	WALL MTD (R)	WALL MOUNTED (RECESSED)
	PIPE RISER	WB	WET BULB
	PIPE DROP	WMS	WIRE MESH SCREEN
	PIPE CAP	WOG	WATER OIL GAS
	3 WAY VALVE	WP	WORKING PRESSURE
	BALANCING VALVE OR COCK	WPD	WATER PRESSURE DROP (IN FEET OF WATER COLUMN)
	BUTTERFLY VALVE	WT	WEIGHT
	BALL VALVE	Z	ZONE DAMPER
	GATE / GLOBE / CHECK VALVE		
	CONCENTRIC REDUCER / TRANSITION		
	ECCENTRIC REDUCER		
	FLEXIBLE PIPE		
	RELIEF VALVE		
	SOLENOID VALVE		
	STRAINER		
	PRESSURE GAUGE		
	TEMPERATURE GAUGE		
	EXPANSION JOINT		
	FLANGE		
	INLINE PUMP		

MECHANICAL SYMBOLS				
SYMBOL	DESCRIPTION	DESCRIPTION	SYMBOL	DESCRIPTION
	SUPPLY	RECTANGULAR DUCT WITH DIMENSIONS SHOWN IN INCHES WIDTHxHEIGHT (SYSTEM)		SUPPLY GRILL
	RETURN			RETURN GRILL
	EXHAUST			EXHAUST GRILL
				SIDE WALL SUPPLY GRILL
				SIDE WALL RETURN GRILL
				EQUIPMENT TAG (PLANS)
				EQUIPMENT TAG (SCHEDULES & DIAGRAMS)
				FAN SWITCH
				THERMOSTAT
				TEMPERATURE SENSOR
				CO2 SENSOR
				DUCT MOUNTED SMOKE DETECTOR
				POINT OF CONNECTION
				POINT OF DISCONNECT
				MATCH LINE
				VIEW REFERENCE
				SECTION

GENERAL NOTES:	
<p>1. ALL WORKS SHALL COMPLY WITH ALL APPLICABLE STATE CODES, SPECIFICATIONS AND INDUSTRY STANDARDS.</p> <p>2. SEISMIC RESTRAINT : ALL HUNG PIPING AND DUCTWORK SHALL CONFORM TO THE FOLLOWING CONDITIONS AND, THEREFORE, SEISMIC RESTRAINT MAY BE OMITTED ACCORDING TO SECTION ASCE 7-10 OF THE 2013 CBC:</p> <p>a. FUEL PIPING 1" AND LARGER AND ALL OTHER PIPING 2- 1/2" AND LARGER MUST BE SUSPENDED BY INDIVIDUAL HANGERS 12" OR LESS IN LENGTH FROM THE TOP OF PIPE TO THE BOTTOM OF THE ATTACHMENT TO STRUCTURE.</p> <p>b. NO TRAPEZE ASSEMBLIES SHALL BE USED TO SUPPORT PIPES OF DUCTS.</p> <p>c. ALL RECTANGULAR DUCTS SHALL BE LESS THAN 6 SQ. FT. IN CROSS SECTIONAL AREA AND ALL ROUND DUCTS SHALL BE LESS THAN 28".</p> <p>d. WHERE LATERAL RESTRAINTS ARE OMITTED, PIPING AND DUCTS SHALL BE INSTALLED SUCH THAT LATERAL MOTION OF THE PIPING OR DUCT WILL NOT CAUSE DAMAGING IMPACT WITH OTHER SYSTEMS OR STRUCTURAL MEMBERS, OR LOSS OF VERTICAL SUPPORT. IF AT THE CONTRACTOR'S OPTION, DUCTWORK AND PIPING IS NOT INSTALLED IN CONFORMANCE WITH THESE CONDITIONS, THE CONTRACTOR SHALL SUBMIT SHOP DRAWINGS (1/4" = 1'-0" SCALE) OF SEISMIC BRACING SYSTEM IN ACCORDANCE WITH "MASON INDUSTRIES" SEISMIC RESTRAINTS GUIDELINES FOR SUSPENDING PIPING AND DUCTWORK (OR APPROVED EQUAL) TO THE ARCHITECT FOR APPROVAL.</p> <p>3. ALL INSULATION AND DUCT SEALING PRODUCTS USED IN THE BUILDING SHALL HAVE A SURFACE BURNING CHARACTERISTIC WITH FLAME SPREAD/SMOKE DEVELOPED INDEX OF 25/50 MAXIMUM, WHEN TESTED AS COMPOSITE INSTALLATION INCLUDING INSULATION, TAPES FACING MATERIALS, JACKETS AND ADHESIVES.</p> <p>4. THE ANNULAR SPACE BETWEEN PIPE SLEEVES AND THE PIPE THROUGH ALL RATED WALLS AND FLOORS SHALL BE FIRESTOPPED, FIRESTOPPING OF ALL PIPE PENETRATIONS SHALL COMPLY WITH UL REQUIREMENTS. MANUFACTURING PREAPPROVED UL PENETRATIONS FOR PIPE MATERIAL AND SURFACE PENETRATED SHALL BE USED. PENETRATIONS SHALL BE 3M, PROSET, OR APPROVED EQUAL. SUBMIT SHOP DRAWINGS.</p> <p>5. PROVIDE MANUAL AIR DAMPERS AT ALL DUCT BRANCH TAKEOFFS TO A SINGLE OUTLET OR INLET.</p> <p>6. COORDINATE WITH ARCHITECTURAL REFLECTED CEILING PLAN FOR THE EXACT LOCATION OF ALL CEILING DIFFUSERS AND GRILLES.</p> <p>7. COORDINATE THE FOLLOWING WITH ARCHITECTURAL, STRUCTURAL, PLUMBING AND ELECTRICAL DRAWING AND ELEMENTS AS INSTALLED, INCLUDING EXISTING BUILDING SYSTEMS.</p> <p>a. EXACT LOCATION OF ALL EQUIPMENT.</p> <p>b. ALL PENETRATION THRU ROOF, WALLS AND FLOORS.</p> <p>c. EXACT SIZE AND ROUTING OF DUCTWORK AND PIPING.</p>	<p>8. THE CONTRACTOR SHALL SURVEY EXISTING FIELD CONDITIONS PRIOR TO BIDDINGS. IF AWARDED THE CONTRACT, THE CONTRACTOR SHALL SURVEY EXISTING FIELD CONDITIONS IN DETAIL AND COORDINATE THE WORK WITH EXISTING BUILDING SYSTEMS.</p> <p>9. ALL MANUAL AIR DAMPERS AND OTHER DEVICES REQUIRING ACCESS FOR OPERATION OR MAINTENANCE SHALL BE PROVIDED WITH ACCESS DOORS OF ADEQUATE SIZE FOR SERVICE.</p> <p>10. ALL DUCT SHOWN ON PLAN ARE EXTERIOR SIZES.</p> <p>11. ANY DAMAGE TO EXISTING BUILDING ARCHITECTURAL, STRUCTURAL, MECHANICAL, AND ELECTRICAL SYSTEMS THAT OCCURS DURING THE WORK SHALL BE RESTORED TO THE ORIGINAL CONDITION AT THE CONTRACTOR'S EXPENSE. IF LANDSCAPED AREAS MUST BE USED FOR BUILDING ACCESS, THE LANDSCAPING SHALL BE RETURNED TO ITS ORIGINAL CONDITION. THE CONTRACTOR SHALL INCLUDE COSTS IN THE BID FOR THIS WORK IF THIS APPROACH IS USED. THE OWNER WILL NOT PAY ANY ADDITIONAL COSTS TO COVER DAMAGE TO THE BUILDING SYSTEMS, LANDSCAPING OR DRIVE AREAS.</p> <p>12. ALL PIPING LOCATED IN WALLS OR ABOVE CEILING HAVING SHUTOFF VALVES OR OTHER DEVICES REQUIRING ACCESS FOR OPERATION OR MAINTENANCE SHALL BE PROVIDED WITH ACCESS DOORS OF ADEQUATE SIZE FOR SERVICE.</p> <p>13. ALL EXISTING SUPPLY AND RETURN AIR PLENUMS BELOW THE HVAC UNITS SHALL BE CLEANED AND INSPECTED AFTER REMOVAL OF EXISTING HVAC UNITS. EXISTING DUCT LINER WITHIN THESE PLENUMS SHALL BE REPLACED WITH NEW LINDER, AND UNUSUAL CONDITIONS DISCOVERED SHALL BE BROUGHT TO ARCHITECTS AND THE ENGINEERS ATTENTION IMMEDIATELY.</p> <p>14. ALL EQUIPMENT REMOVED FROM THE SITE BY THE CONTRACTOR SHALL BE DISPOSED OF IN ACCORDANCE WITH ALL APPLICABLE CODES AND LAWS, REFRIGERANTS CONTAINED WITHIN HVAC UNITS SHALL BE RECLAIMED AND DISPOSED OF IN ACCORDANCE WITH ALL APPLICABLE CODES, REGULATIONS AND LAWS.</p> <p>15. AIR BALANCE: CONTRACTOR SHALL PERFORM AN AIR BALANCE OF THE BUILDING MECHANICAL SYSTEMS INCLUDING THE FOLLOWING:</p> <p>a. MEASURE, ADJUST AND RECORD AIR FLOWS FOR ALL NEW AC UNITS.</p> <p>b. PERFORM A COMPLETE BALANCE OF ALL AREAS AFFECTED BY THE WORK. BALANCE TO AIR FLOWS SHOWN ON MECHANICAL PLANS.</p> <p>c. RETURN IN OPPOSITE SEASON (6 Mos. FROM WORK COMPLETION) TO MAKE ADJUSTMENT AS REQUIRED TO COMPLETE BALANCE.</p> <p>d. AIR BALANCING SHALL CONFORM TO AABC OR NEBB STANDARDS. SEE SPECIFICATIONS FOR DETAILED AIR BALANCE REQUIREMENTS.</p> <p>16. HVAC CONTROLS: NEW HVAC CONTROLS ARE INCLUDED IN THE SCOPE OF WORK. SEE SHEET xx AND SPECIFICATIONS FOR DETAILED REQUIREMENTS. NEW CONTROLS ARE REQUIRED ON ALL NEW AC UNIT. NEW ZONE TEMPERATURE SENSORS ARE REQUIRED.</p>

Capital Expenditure Managers  
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(916) 648-9700

NOT FOR CONSTRUCTION

PROJECT STATUS:

50% CONSTRUCTION DOCUMENTS

BUILDINGS:

SHEET TITLE:

MECHANICAL ABBREVIATIONS, SYMBOLS, & NOTES

SCALE:

JOB NO. 5006A3

DATE 8/26/15

SHEET

M001

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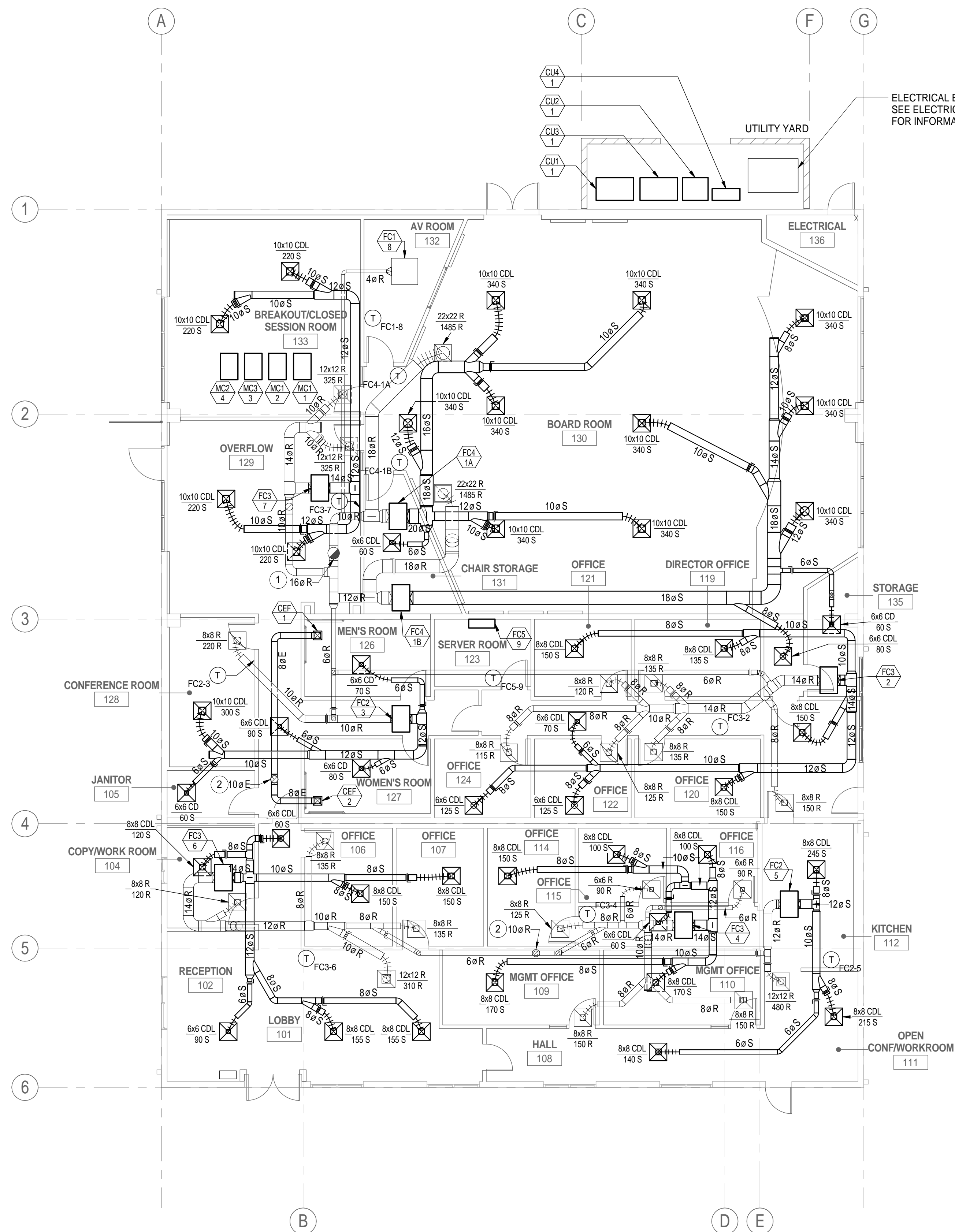
**KEYNOTES**

- 16"Ø OUTSIDE AIR DUCT UP TO ROOF WITH ROOF OUTSIDE AIR INTAKE HOOD - SEE 3/M702.
- 10"Ø OUTSIDE AIR DUCT UP TO ROOF WITH ROOF OUTSIDE AIR INTAKE HOOD - SEE 3/M702.

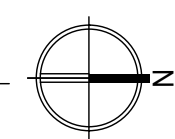
**GENERAL NOTES:**

- FOR REFRIGERANT PIPE MOUNTING, SEE X/M701.
- FOR CONDENSATE PIPE MOUNTING, SEE X/M701.
- PROVIDE SUPPORT FOR CONDENSATE DRAIN PIPING AT MAX 10' ON CENTER.
- CONNECT CONDENSATE DRAIN TO FC AND MCU WITH UNION AND P-TRAP. SLOPE CONDENSATE DRAIN PIPING AT 1/8" PER FOOT.

ELECTRICAL EQUIPMENT,  
SEE ELECTRICAL SHEETS  
FOR INFORMATION



**1 MECHANICAL FLOOR PLAN**  
1/8" = 1'-0"



BUTTE REGIONAL TRANSIT OPERATIONS  
CENTER  
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BUTTE COUNTY ASSOCIATION OF  
GOVERNMENTS

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PROJECT STATUS:

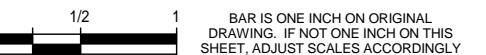
**50% CONSTRUCTION  
DOCUMENTS**

BUILDINGS:

SHEET TITLE:

**MECHANICAL PLAN**

SCALE:



**REVISIONS**

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JOB NO.

5006A3

DATE

8/26/15

SHEET

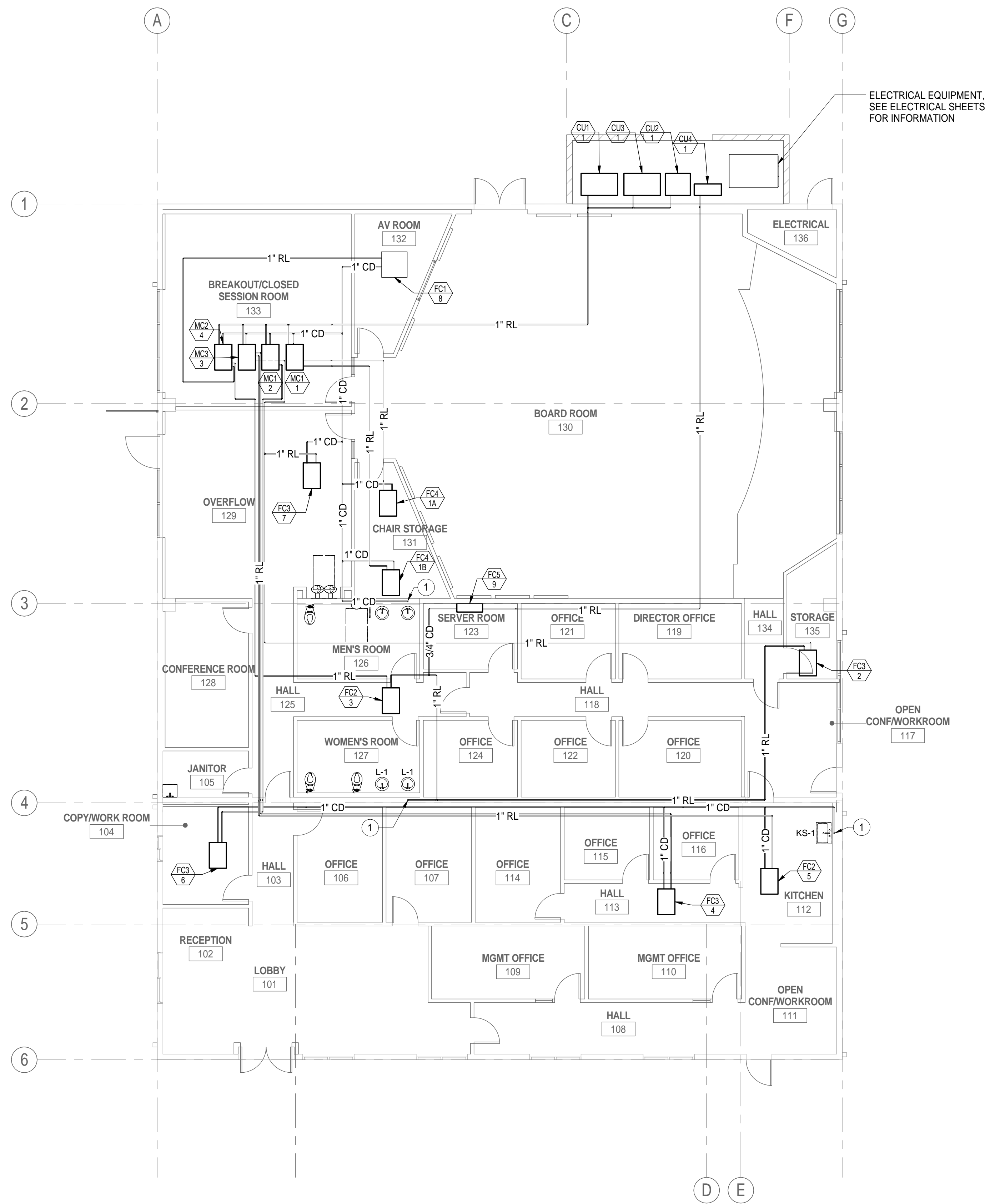
**M201**

**# KEYNOTES**

- 1 CONNECT CONDENSATE DRAIN PIPE TO TAILPIECE OF LAVATORY'S DRAIN, TYPICAL.

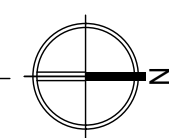
**GENERAL NOTES:**

1. FOR REFRIGERANT PIPE MOUNTING, SEE X/M701.
2. FOR CONDENSATE PIPE MOUNTING, SEE X/M701.
3. PROVIDE SUPPORT FOR CONDENSATE DRAIN PIPING AT MAX 10' ON CENTER.
4. CONNECT CONDENSATE DRAIN TO FC AND MCU WITH UNION AND P-TRAP. SLOPE CONDENSATE DRAIN PIPING AT 1/8" PER FOOT.



ELECTRICAL EQUIPMENT, SEE ELECTRICAL SHEETS FOR INFORMATION

**1 REFRIGERANT & CONDENSATE PLAN**  
1/8" = 1'-0"



BUTTE REGIONAL TRANSIT OPERATIONS CENTER  
326 HUSS LANE, CHICO CA

BUTTE COUNTY ASSOCIATION OF GOVERNMENTS

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PROJECT STATUS:

**50% CONSTRUCTION DOCUMENTS**

BUILDINGS:

SHEET TITLE:

**MECHANICAL REFRIGERANT & CONDENSATE PLAN**

SCALE: 0 12 1  
BASE IS ONE FOOT ON ORIGINAL DRAWING. IF NOT ONE FOOT ON THIS SHEET, ADJUST SCALES ACCORDINGLY.

**REVISIONS**

No.	Description	Date

JOB NO.

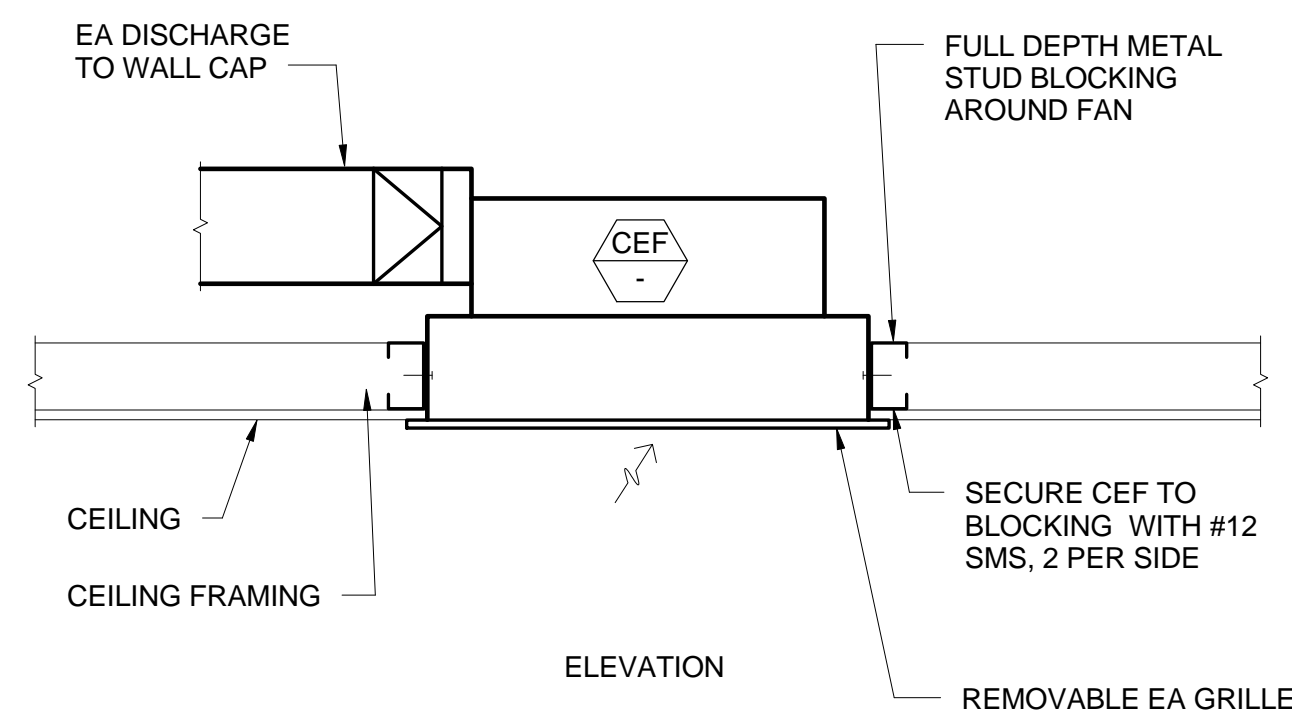
5006A3

DATE

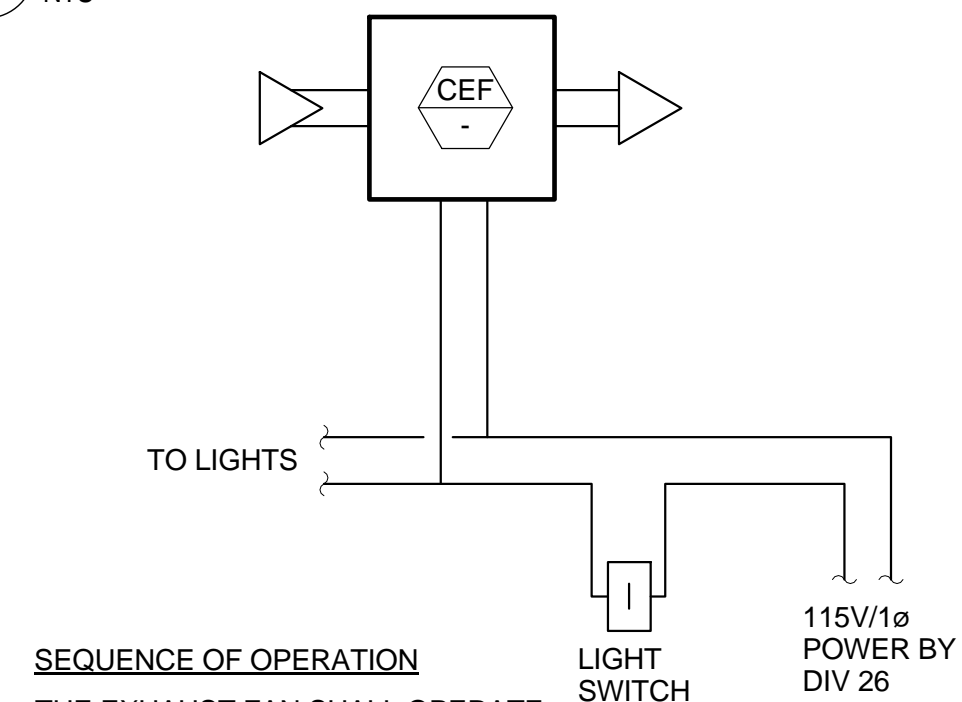
8/26/15

SHEET

**M202**

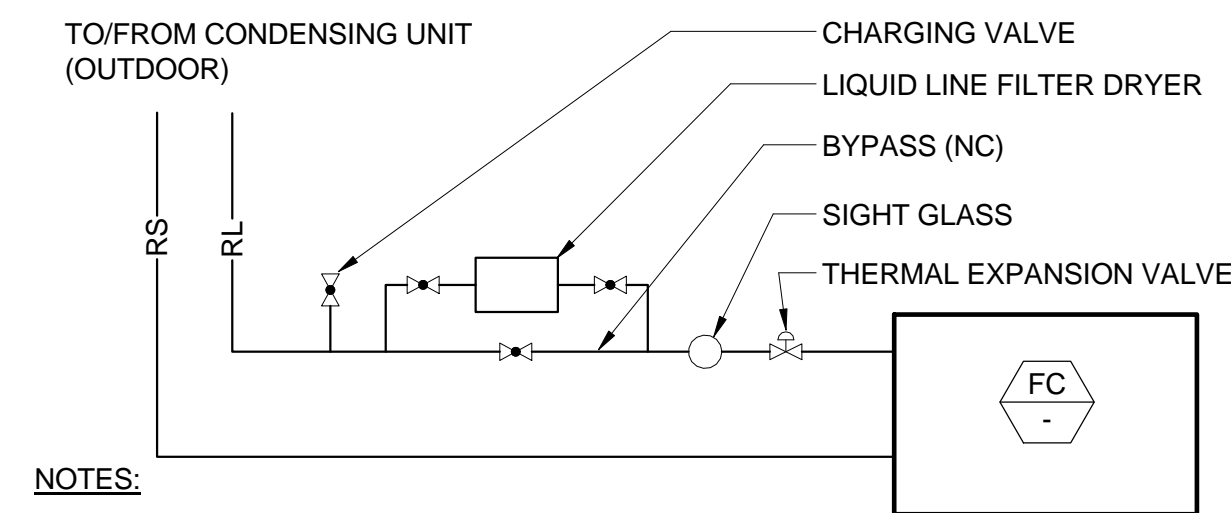


6 CEILING EXHAUST FAN MOUNTING DETAIL1  
NTS



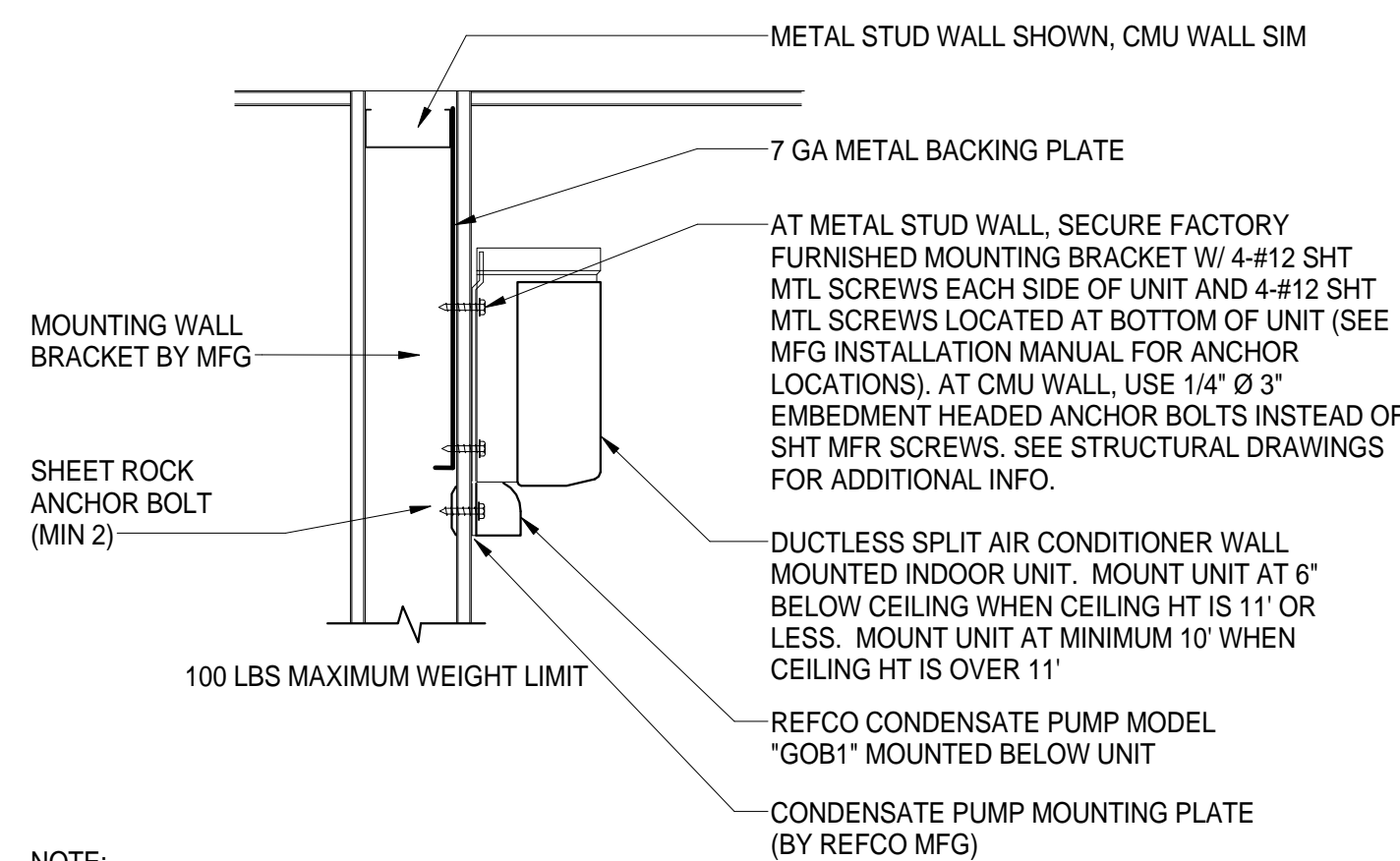
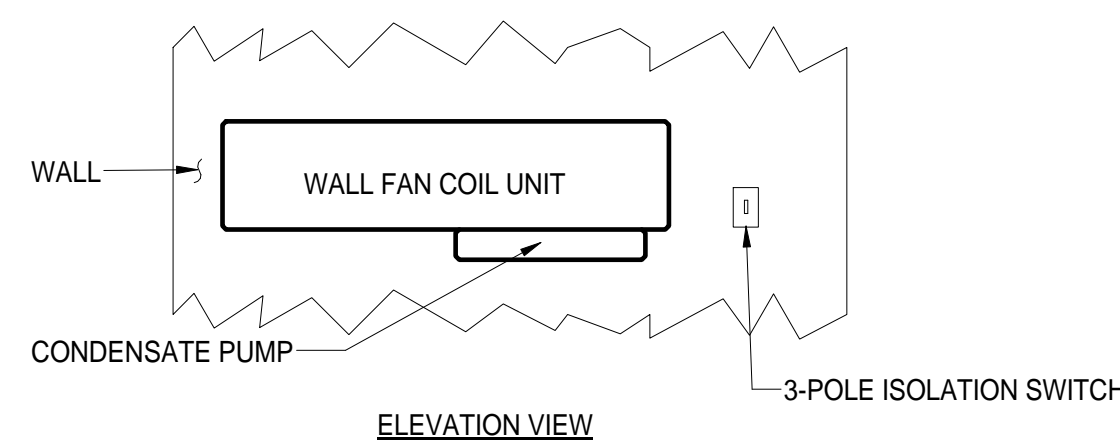
SEQUENCE OF OPERATION  
THE EXHAUST FAN SHALL OPERATE WHENEVER THE LIGHTS IN THE RESTROOM ARE ON.

7 CEF CONTROL DIAGRAM1  
NTS



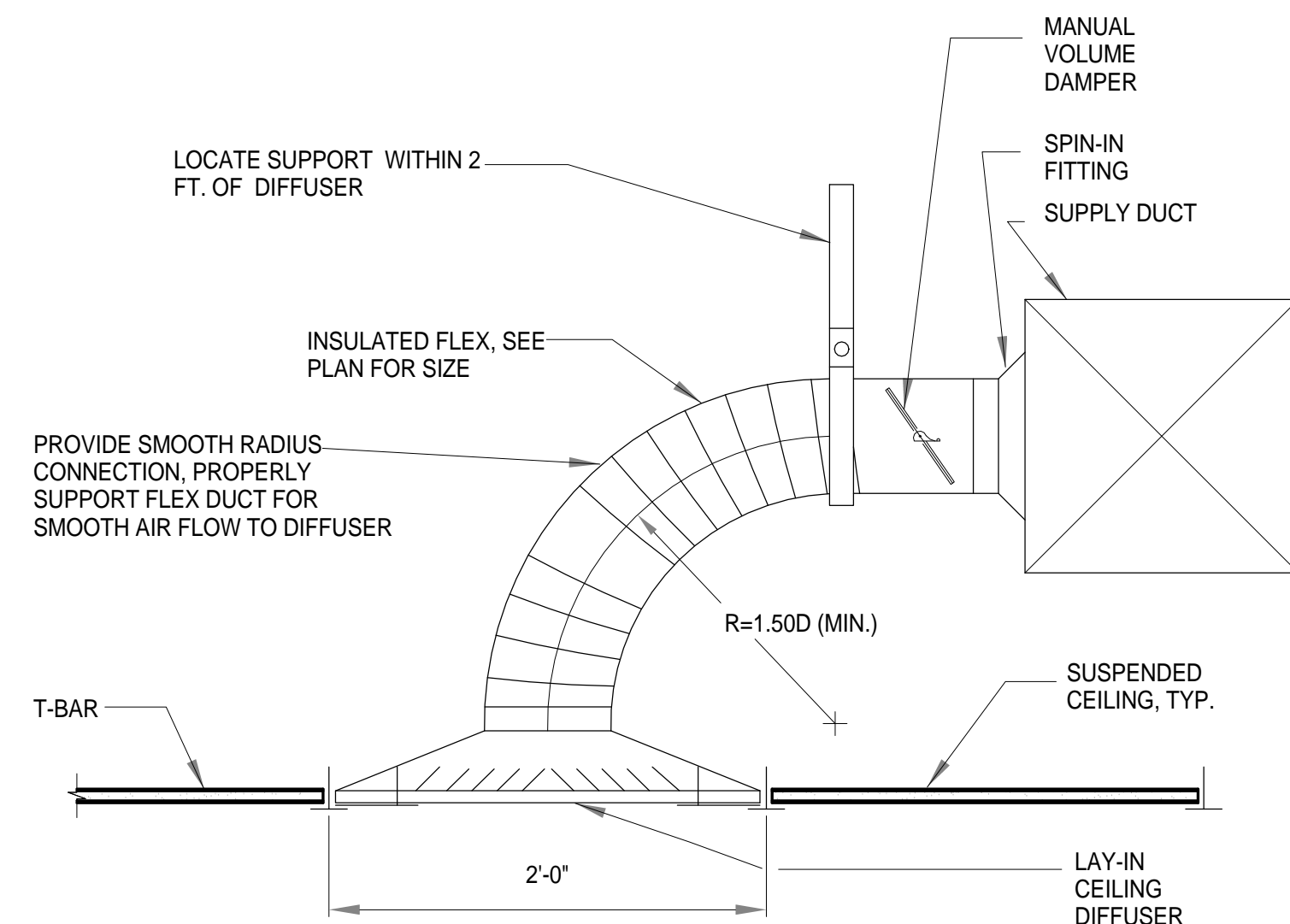
NOTES:  
1. INSTALL PIPING PER CONDENSING UNIT MFR. RECOMMENDATIONS FOR SLOPING, TRAPPING, ETC.  
2. SEE SCHEDULES FOR RS AND RL SIZES.

8 REFRIGERANT PIPING DIAGRAM  
NTS

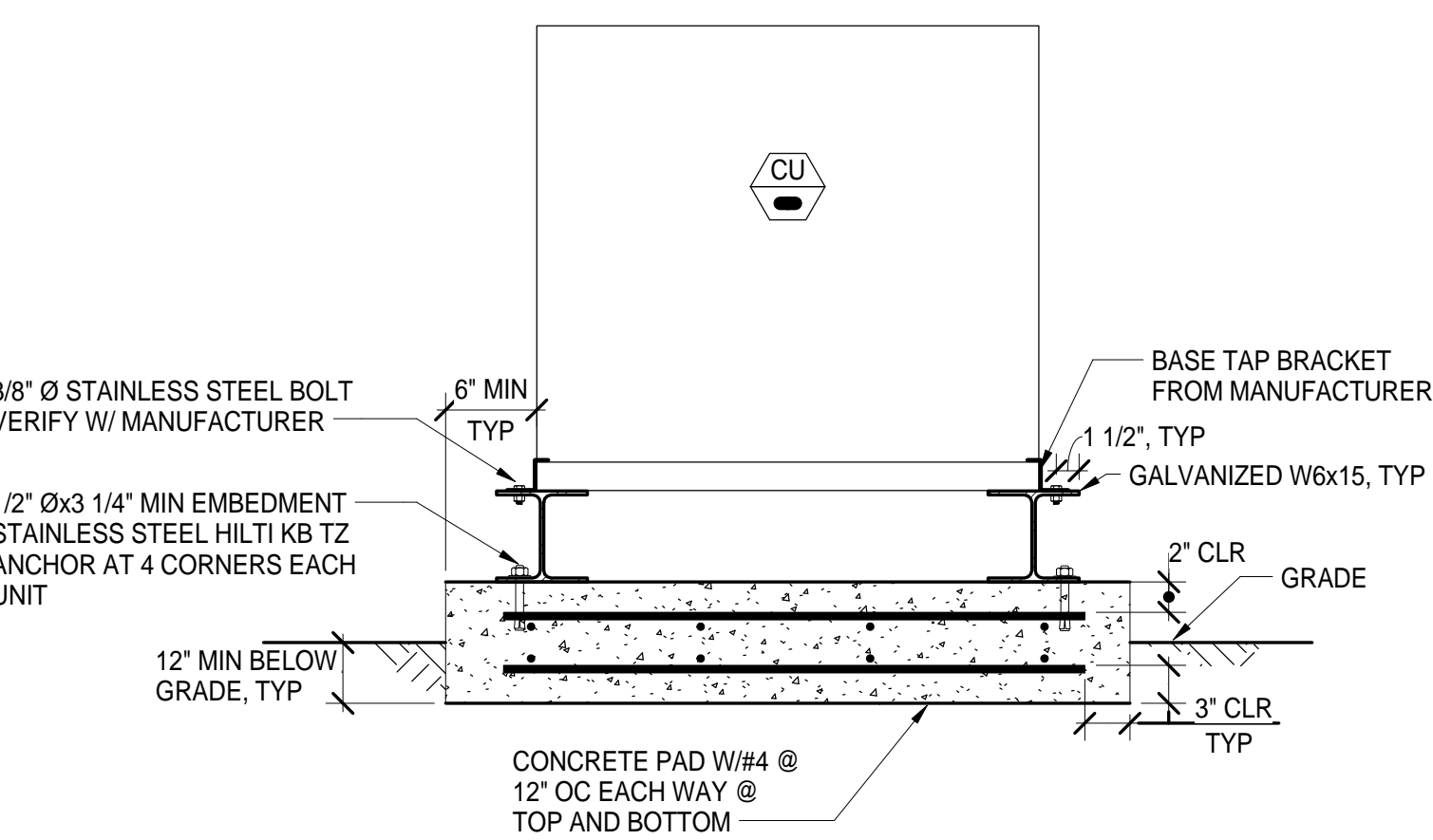


NOTE:  
REFRIGERANT PIPING, DRAIN TUBING, AND POWER CONNECTIONS SHALL BE ROUTED IN STUD WALL SPACE INTO UNIT. NO EXPOSED PIPING, TUBING OR WIRING ON WALL.

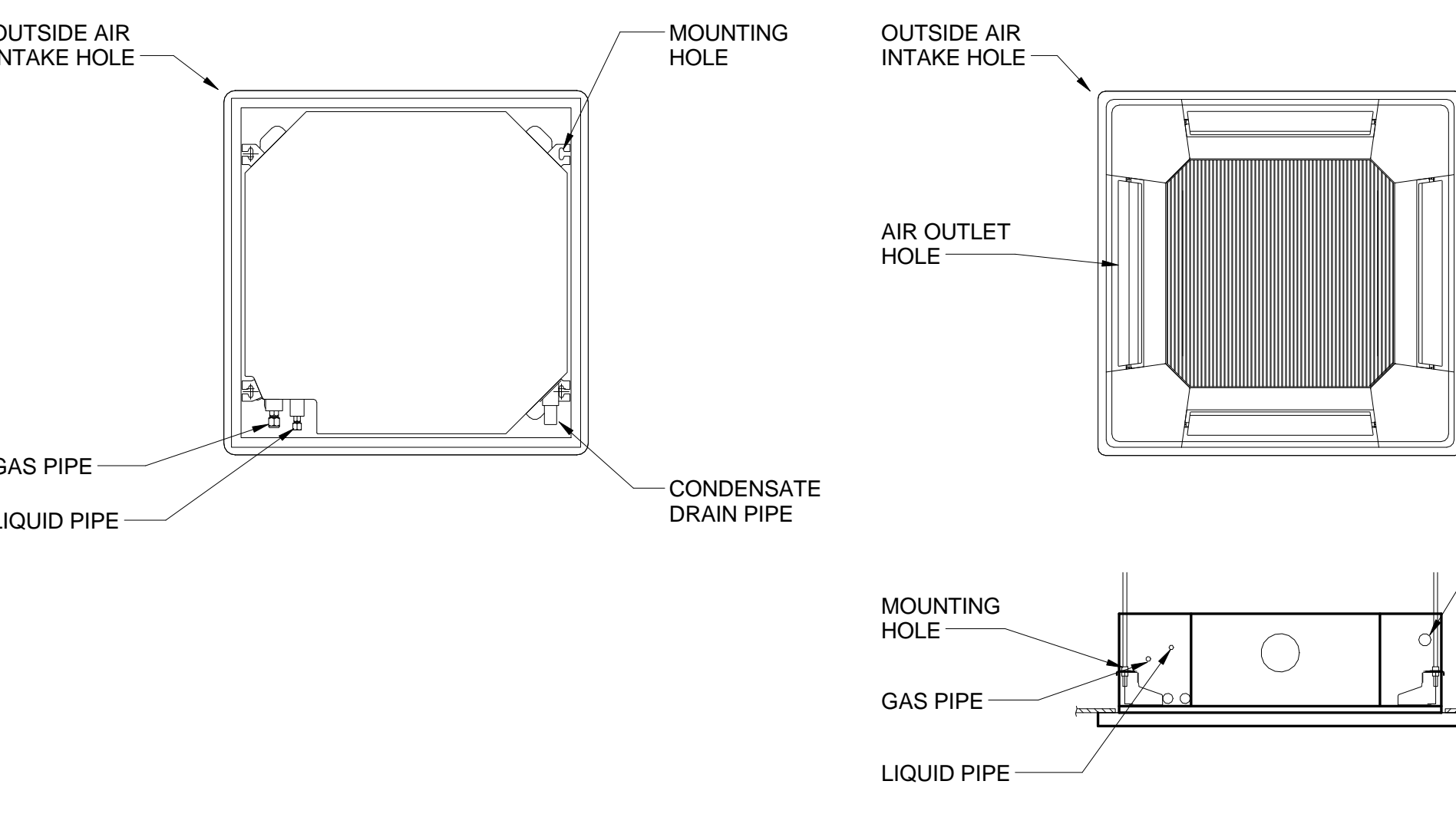
9 WALL MOUNT FAN COIL UNIT1  
NTS



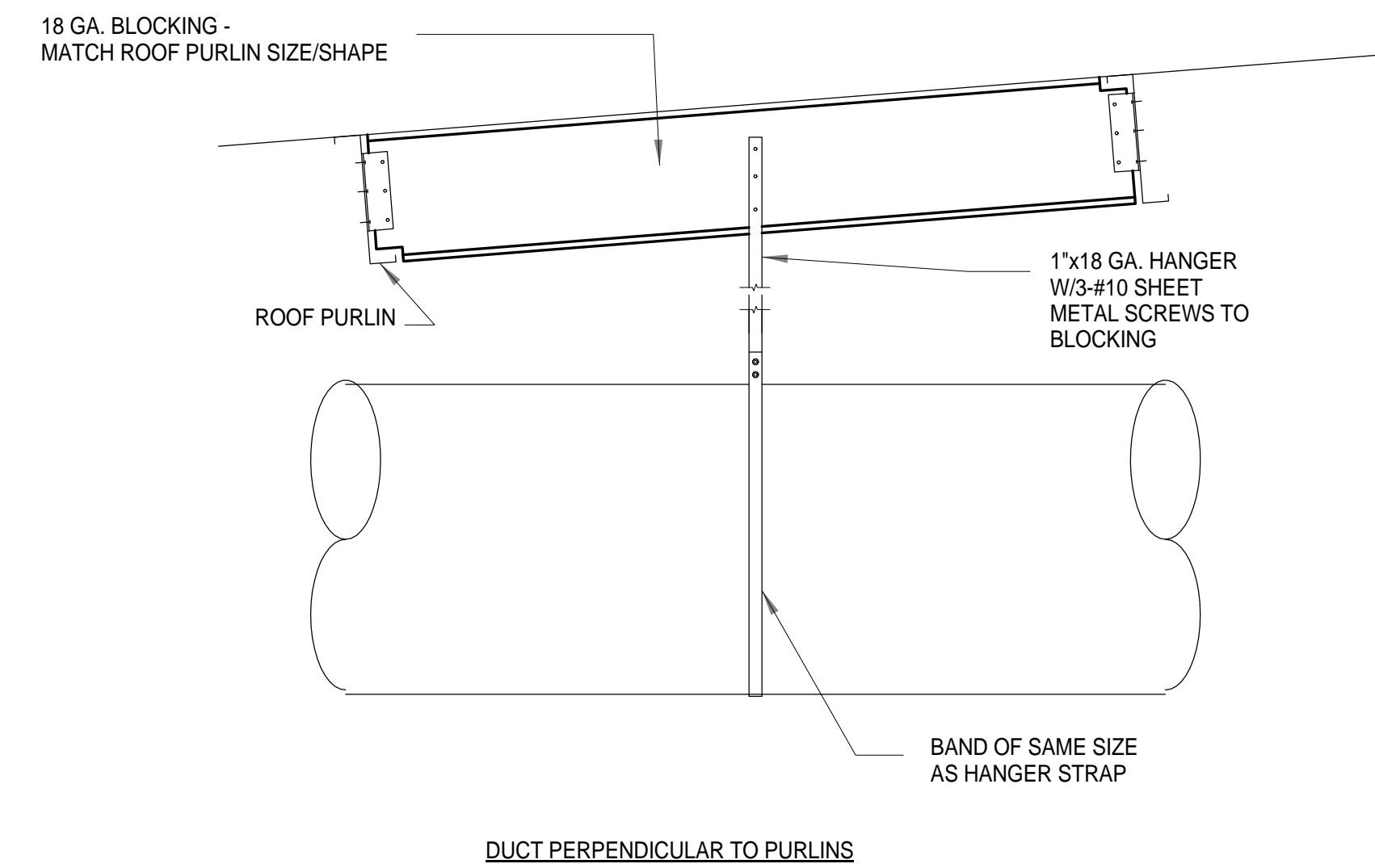
3 T-BAR CEILING SUPPLY DIFFUSER  
1" = 1'-0"



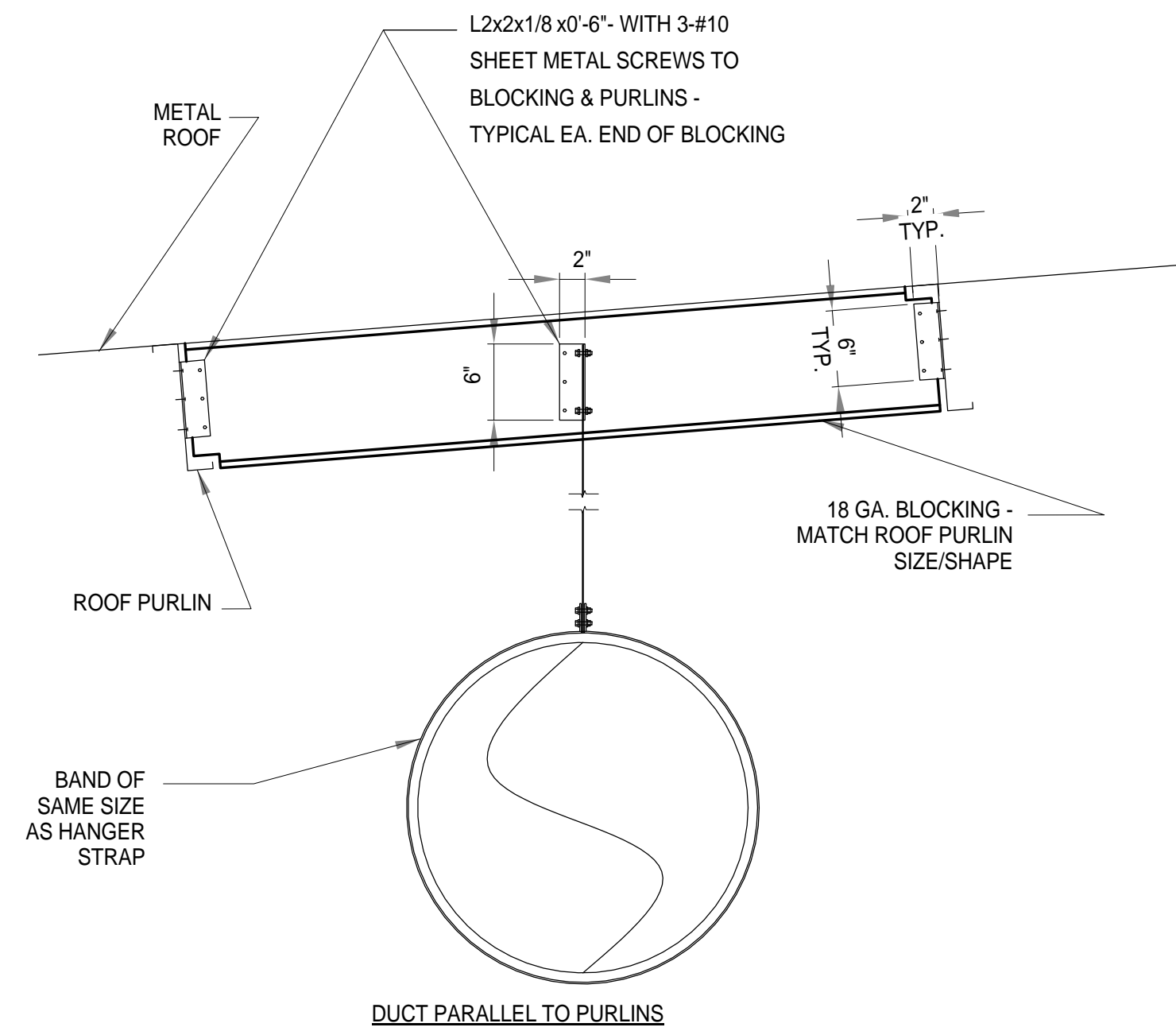
4 CONDENSING UNIT ON CONCRETE PAD1  
NTS



5 CEILING MOUNTED FAN COIL DETAIL  
NTS



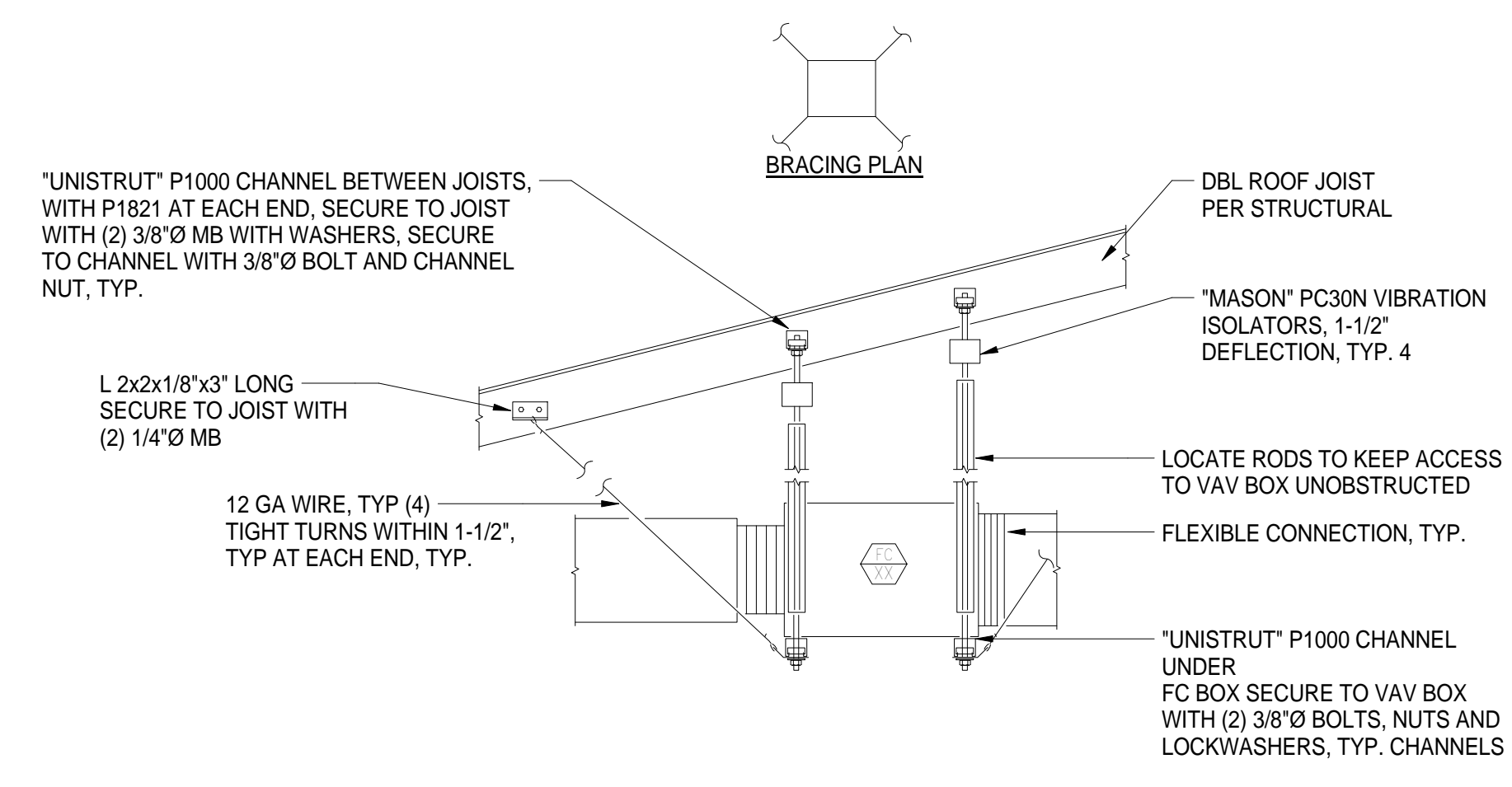
DUCT PERPENDICULAR TO PURLINS



DUCT PARALLEL TO PURLINS

NOTES:  
1. ATTACH DUCTWORK PER SMACNA GUIDELINES.  
2. COPE BLOCKING AS REQ'D TO FIT.  
3. HANGER SPACING = 10'-0\"/>

1 DUCT HANGING DETAIL  
1" = 1'-0"



2 FC UNIT MOUNTING DETAIL  
1" = 1'-0"

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PROJECT STATUS:

50% CONSTRUCTION  
DOCUMENTS

BUILDINGS:

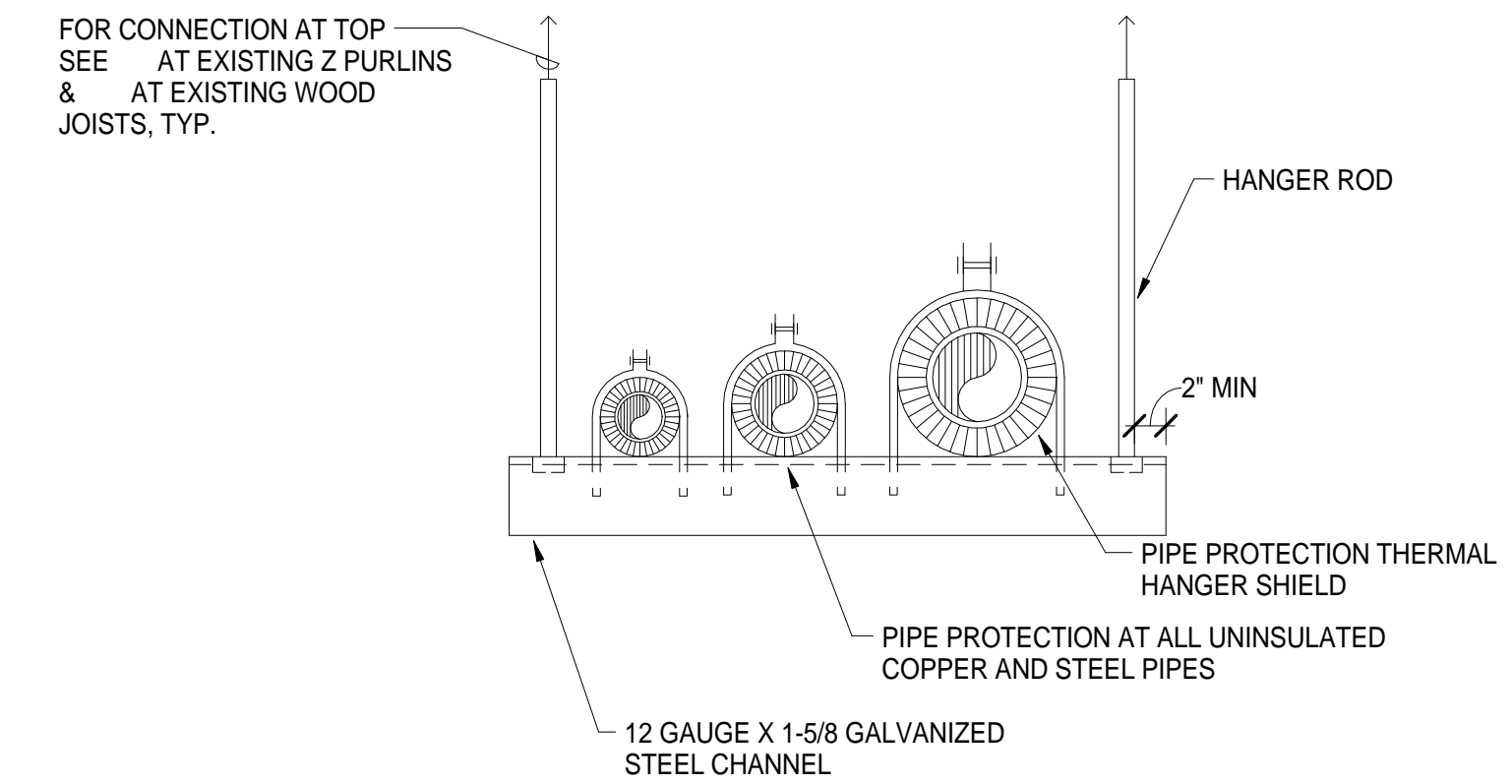
SHEET TITLE:  
MECHANICAL DETAILS

SCALE: 0 1/2 1

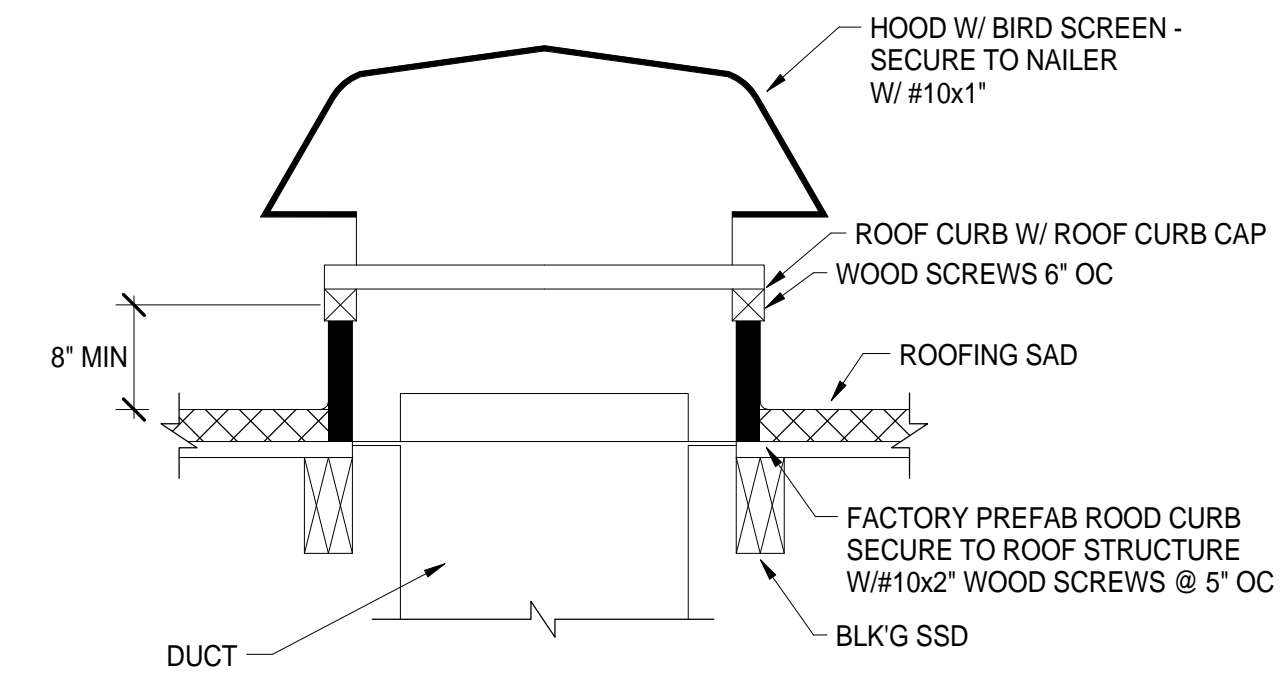
REVISIONS

No.	Description	Date

JOB NO. 5006A3	SHEET M701
DATE 8/26/15	

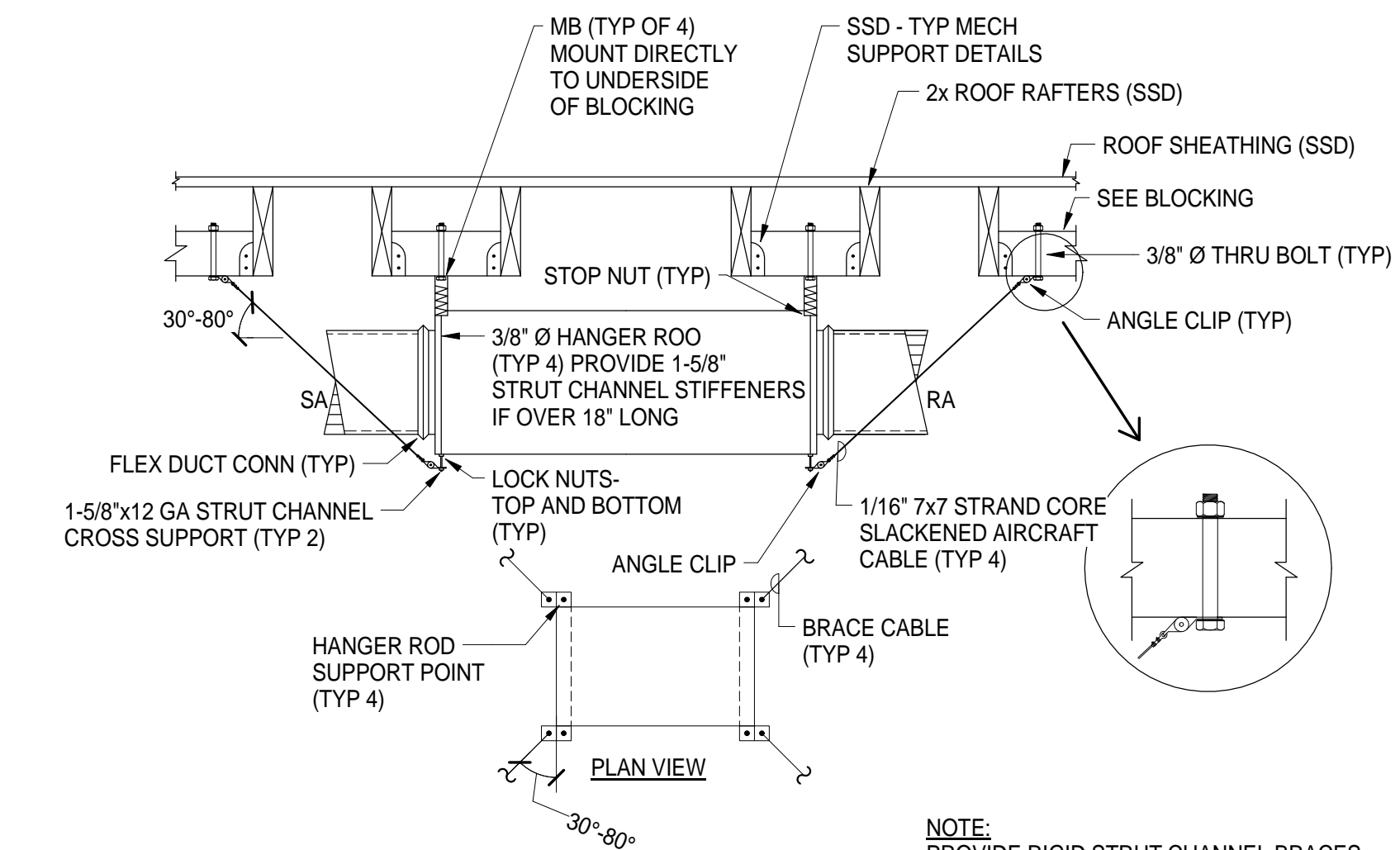


1 TRAPEZE PIPE HANGER DETAIL  
NTS



NOTE:  
COORDINATE ROOF CURB WITH ARCHITECTURAL AND STRUCTURAL DRAWINGS.

2 INTAKE HOOD MOUNTING DETAIL  
NTS



NOTE:  
PROVIDE RIGID STRUT CHANNEL BRACES ON TWO ADJACENT CORNERS INSTEAD OF CABLES WHERE UNIT IS INSTALLED NEXT TO WALL.

3 FAN COIL UNIT DETAIL  
3/4\"/>



BUTTE REGIONAL TRANSIT OPERATIONS  
CENTER  
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BUTTE COUNTY ASSOCIATION OF  
GOVERNMENTS

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PROJECT STATUS:

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DOCUMENTS

BUILDINGS:

SHEET TITLE:

MECHANICAL DETAILS

SCALE: 0 1/2 1  
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REVISIONS

No.	Description	Date

JOB NO.

5006A3

DATE

8/26/15

SHEET

M702





Capital Expenditure Managers  
Gateway Oaks Drive  
Suite 300  
Sacramento, CA. 95833  
(916) 648-9700

**CEILING EXHAUST FAN SCHEDULE**

UNIT	LOCATION	'GREENHECK' MODEL NO.	CFM	SP (IN.W.G.)	STYLE	SONES	HP (WATTS)	VOLTS/P HASE	OPER. WT. (LBS)	NOTES
CEF-1	MENS RESTROOM	SP-B110	140	0.5	CO	5	172	115/1	10	1
CEF-2	WOMEN'S RESTROOM	SP-B110	140	0.5	CO	5	172	115/1	10	1

NOTES & OPTIONS:

1. PROVIDE WITH MANUFACTURERS BDD.

**INTAKE HOOD SCHEDULE**

UNIT	LOCATION	'GREENHECK' MODEL NO.	TYPE	SP (IN.W.G.)	VOLTS/ PHASE	OPER. WT. (LBS)
IH-1	ROOF	FABRA-HOOD	INTAKE	0.004	115/1	100
IH-2	ROOF	FABRA-HOOD	INTAKE	0.004	115/1	100

**VRF HEAT RECOVERY BRANCH CIRCUIT CONTROLLER**

UNIT TAG	LOCATION	SERVES	MODEL NUMBER	REFRIGERANT TYPE	DRAIN PIPE	MAXIMUM NUMBER OF CONNECTED INDOOR UNITS	VOLTAGE / PHASE	POWER INPUT (W)	WEIGHT (LBS)	NOTES / OPTIONS
MCU1-1	BREAKOUT/C LOSED SESSION ROOM	FC4-1A AND FC4-1B	MCUCUY2NCE000	R410A	1"	2	208/230V/1-PHASE	55	55	1, 2
MCU1-2	BREAKOUT/C LOSED SESSION ROOM	FC3-6 AND FC3-7	MCUCUY2NCE000	R410A	1"	2	208/230V/1-PHASE	55	55	1, 2
MCU3-3	BREAKOUT/C LOSED SESSION ROOM	FC3-2, FC3-4, AND FC2-5	MCUCUY6NCE000	R410A	1"	6	208/230V/1-PHASE	55	60	1, 2
MCU2-4	BREAKOUT/C LOSED SESSION ROOM	FC2-3 AND FC1-8	MCUCUY4NCE000	R410A	1"	4	208/230V/1-PHASE	55	55	1, 2

NOTES & OPTIONS:

1. LIQUID PIPE CONNECTION FROM OUTDOOR UNIT 1/2" FLARE, SUCTION PIPE CONNECTION FROM THE OUTDOOR UNIT 1-1/8" BRAZE, HIGH PRESSURE GAS CONNECTION FROM THE OUTDOOR UNIT 3/4" BRAZE.
2. LIQUID PIPE CONNECTION TO INDOOR UNITS 3/8" FLARE AND SUCTION PIPE CONNECTION TO INDOOR UNITS 5/8" FLARE.

UNIT TAG	LOCATION	DIMENSIONS	MODEL	TYPE	REMOTE SENSOR	NOMINAL COOLING CAPACITY (BTU/H)	NOMINAL HEATING CAPACITY (BTU/H)	COOLING DESIGN ENTERING TEMP DB/WB (°F)	HEATING DESIGN ENTERING TEMP DB/WB (°F)	PEAK FAN AIRFLOW (CFM)	VOLTAGE / PHASE	ELECTRICAL MCA/MOP	WEIGHT (LBS)	NOTES / OPTIONS
FC1-8	AV ROOM 132	37.5"W x 10"H x 37.5"D	4TVD0018B100NB	CEILING CASSETTE (4-WAY AIRFLOW) TYPE	WIRED SENSOR	18000	20000	80.0/67.0	70.0	495	208/230V/1-PHASE	32 W	60	1, 2, 3, 4, 5, 6, 7
FC2-3	HALL 125	48"W x 15" H x 26"D	4TVA0036B100NB	CEILING CONCEALED TYPE (DUCTED)	WIRED SENSOR	36000	40000	80.0/67.0	70.0	550	208/230V/1-PHASE	210 W	140	1, 2, 3, 4, 5, 6, 8
FC2-5	KITCHEN	36"W x 11" H x 19"D	4TVD0024B100NB	CEILING CONCEALED TYPE (DUCTED)	WIRED SENSOR	24000	27000	80.0/67.0	70.0	410	208/230V/1-PHASE	220 W	70	1, 2, 3, 4, 5, 6, 8
FC3-2	STORAGE 135	36"W x 11" H x 19"D	4TVD0024B100NB	CEILING CONCEALED TYPE (DUCTED)	WIRED SENSOR	24000	27000	80.0/67.0	70.0	890	208/230V/1-PHASE	220 W	70	1, 2, 3, 4, 5, 6, 8
FC3-4	HALL 113	36"W x 11" H x 19"D	4TVA0036B100NB	CEILING CONCEALED TYPE (DUCTED)	WIRED SENSOR	36000	40000	80.0/67.0	70.0	750	208/230V/1-PHASE	210 W	140	1, 2, 3, 4, 5, 6, 8
FC3-6	JAN 105	48"W x 15" H x 26"D	4TVA0036B100NB	CEILING CONCEALED TYPE (DUCTED)	WIRED SENSOR	36000	40000	80.0/67.0	70.0	870	208/230V/1-PHASE	210 W	140	1, 2, 3, 4, 5, 6, 8
FC3-7	OVERFLOW 129	48"W x 15" H x 26"D	4TVA0036B100NB	CEILING CONCEALED TYPE (DUCTED)	WIRED SENSOR	36000	40000	80.0/67.0	70.0	880	208/230V/1-PHASE	210 W	140	1, 2, 3, 4, 5, 6, 8
FC4-1A	CHAIR STORAGE 131	49"W x 19" H x 26"D	4TVA0076B100NB	CEILING CONCEALED TYPE (DUCTED)	WIRED SENSOR	76800	85200	80.0/67.0	70.0	1920	208/230V/1-PHASE	530 W	200	1, 2, 3, 4, 5, 6, 8
FC4-1B	CHAIR STORAGE 131	49"W x 19" H x 26"D	4TVA0076B100NB	CEILING CONCEALED TYPE (DUCTED)	WIRED SENSOR	76800	85200	80.0/67.0	70.0	1920	208/230V/1-PHASE	530 W	200	1, 2, 3, 4, 5, 6, 8
FC5-9	SERVER 123	35"W x 12"H x 9"D	4TVD0018B100NB	WALL MOUNTING TYPE	WIRELESS REMOTE	21000	0	80.0/67.0	NA	420	POWERED FROM OUTDOOR UNIT (CU-4)	15/25 A	35	1, 2, 3, 4, 5, 6, 8

NOTES & OPTIONS:

1. NOMINAL COOLING CAPACITIES ARE BASED ON INDOOR COIL EAT OF 80/67°F (DB/WB), OUTDOOR OF 95°F (DB).
2. NOMINAL HEATING CAPACITIES ARE BASED ON INDOOR COIL EAT OF 70°F (DB), OUTDOOR OF 43°F (WB).
3. SEE OUTDOOR UNIT SCHEDULE FOR OUTDOOR AMBIENT CONDITIONS, CONNECTED CAPACITY, AND OTHER FACTORS ASSOCIATED WITH CORRECTED CAPACITIES.
4. SEE SCHEMATIC PIPING/CONTROL DIAGRAM FOR INDICATION OF REQUIRED INDOOR UNIT REMOTE CONTROLLERS, SYSTEM CONTROLLERS, AND INTEGRATION DEVICES.
5. FULL DEMAND CORRECTED CAPACITY INCLUDES DE-RATE ASSOCIATED WITH INDOOR VS. OUTDOOR CONNECTED CAPACITY INDICATED ON OUTDOOR UNIT SCHEDULE FOR ASSOCIATED SYSTEM. PARTIAL CORRECTED CAPACITY ASSUMES SUFFICIENT DIVERSITY EXISTS SUCH THAT THE CONNECTED CAPACITY DE-RATE DOES NOT APPLY.
6. IT IS RECOMMENDED TO ALWAYS BASE HEATING CORRECTED CAPACITY ON FULL DEMAND.
7. CONDENSATE PUMP BUILT-IN.
8. PROVIDE CONDENSATE PUMP BY MANUFACTURER.

**TRANE VRF OUTDOOR UNIT SCHEDULE**

UNIT TAG	'TRANE' MODEL NUMBER	NOMINAL COOLING CAPACITY (BTU/H)	NOMINAL HEATING CAPACITY (BTU/H)	DESIGN COOLING OUTDOOR TEMP DB/WB (°F)	DESIGN HEATING OUTDOOR TEMP WB (°F)	EER	VOLTAGE / PHASE	ELECTRICAL			NOTES / OPTIONS	UNIT WEIGHT	SOUND PRESSURE/SOUND POWER dB(A)	LIQUID LINE (IN. OD)	VAPOR LINE (IN. OD)	HIGH PRESSURE GAS LINE (IN. OD)
								MCA	MOP	No. of Fan						
CU1-1	4TVR0144B400NB	144,000.00	162,000.00	102/69	26.9	9.2	460V / 3-PHASE	26.4	40	2	1, 2, 3, 4, 5	700	62/83	1/2" BRAZE	1-1/8" BRAZE	7/8" BRAZE
CU2-3	4TVR0072B400NB	72,000.00	81,000.00	102/69	26.9	10.6	460V / 3-PHASE	16.4	20	1	1, 2, 3, 4, 5	450	60/81	3/8" BRAZE	3/4" BRAZE	5/8" BRAZE
CU3-2	4TVR0096B400NB	96,000.00	108,000.00	102/69	26.9	9.9	460V / 3-PHASE	19	25	2	1, 2, 3, 4, 5	650	61/81	3/8" BRAZE	7/8" BRAZE	3/4" BRAZE
CU4-4	4TYK6518A10N0BA	21,000.00	0.00	95/69	NA	11.1	208/ 1-PHASE	15	25	1	1, 2, 3, 4, 5	105	56/66	1/4"	1/2"	NA

NOTES & OPTIONS:

1. NOMINAL COOLING CAPACITIES ARE BASED ON INDOOR COIL EAT OF 80/67°F (DB/WB), OUTDOOR OF 102°F (DB).
2. NOMINAL HEATING CAPACITIES ARE BASED ON INDOOR COIL EAT OF 70°F (DB), OUTDOOR OF 43°F (WB).
3. EFFICIENCY VALUES FOR EER, IEER, COP ARE BASED ON AHRI 1230 TEST METHOD FOR MIXTURE OF DUCTED & NON-DUCTED INDOOR UNITS.
4. FOR SYSTEMS WITH MULTIPLE MODULES, REFRIGERANT PIPE DIMENSIONS INDICATE TOTAL SYSTEM COMBINED PIPING DOWNSTREAM OF MODULE TWINNING.
5. ADDED FIELD CHARGE LISTED IS IN ADDITION TO FACTORY CHARGE, THIS MUST BE UPDATED BASED UPON FINAL AS-BUILT PIPING LAYOUT.



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PROJECT STATUS:

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BUILDINGS:

SHEET TITLE:

**MECHANICAL SCHEDULES**

SCALE: 0 1/2 1

BASE TO ONE FOOT ON ORIGINAL DRAWING. IF NOT ONE FOOT ON THIS SHEET, ADJUST SCALES ACCORDINGLY.

**REVISIONS**

No.	Description	Date

JOB NO.

5006A3

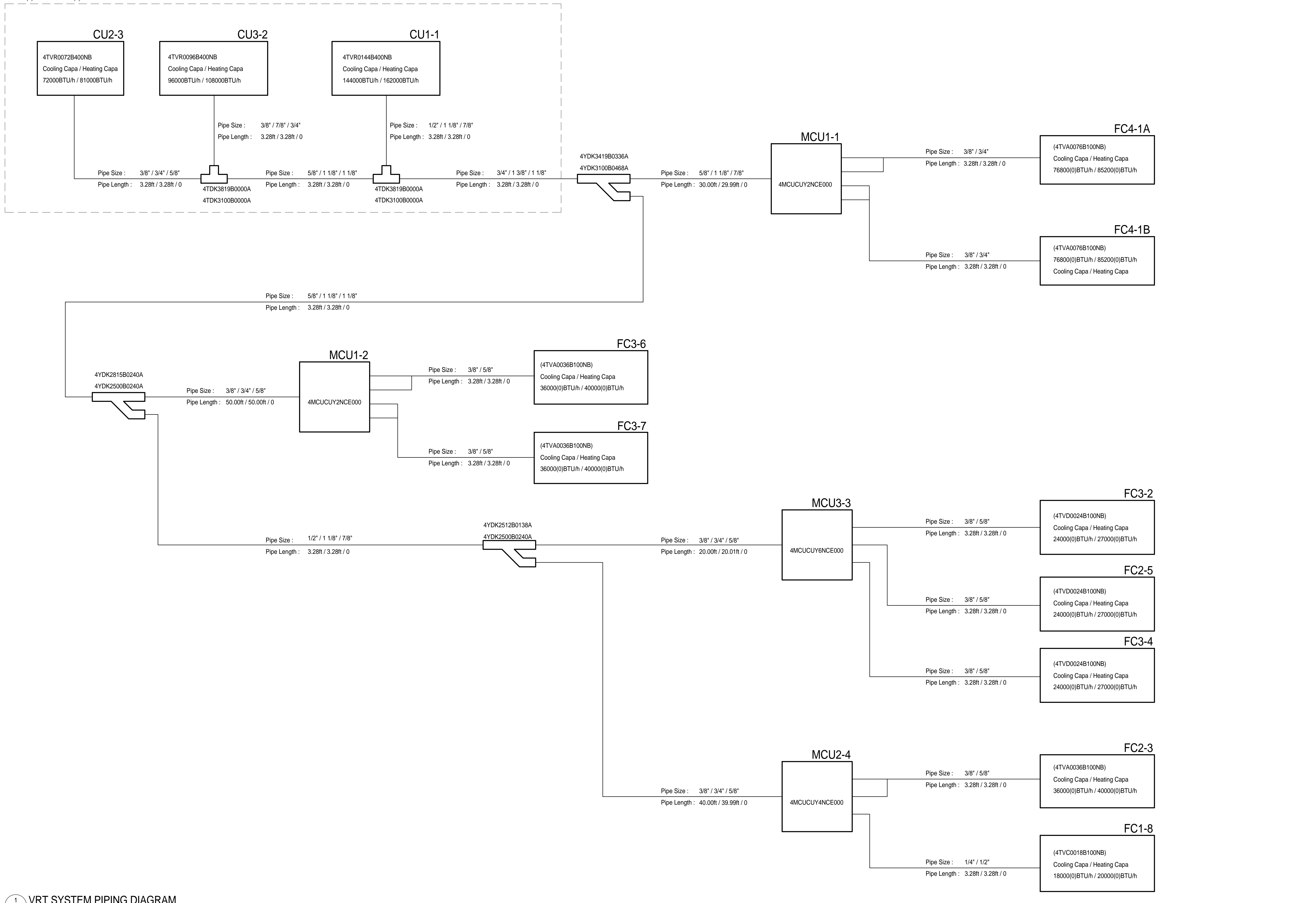
DATE

8/26/15

SHEET

**M801**

New Outdoor(4TVR0312B400NB)  
Cooling Capa / Heating Capa  
312000(0)BTU/h / 351000(0)BTU/h



Capital Expenditure Managers  
Gateway Oaks Drive  
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(916) 648-9700



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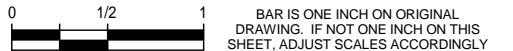
50% CONSTRUCTION  
DOCUMENTS

BUILDINGS:

SHEET TITLE:

VRF SYSTEM PIPING  
DIAGRAM

SCALE:



REVISIONS

No.	Description	Date

JOB NO.

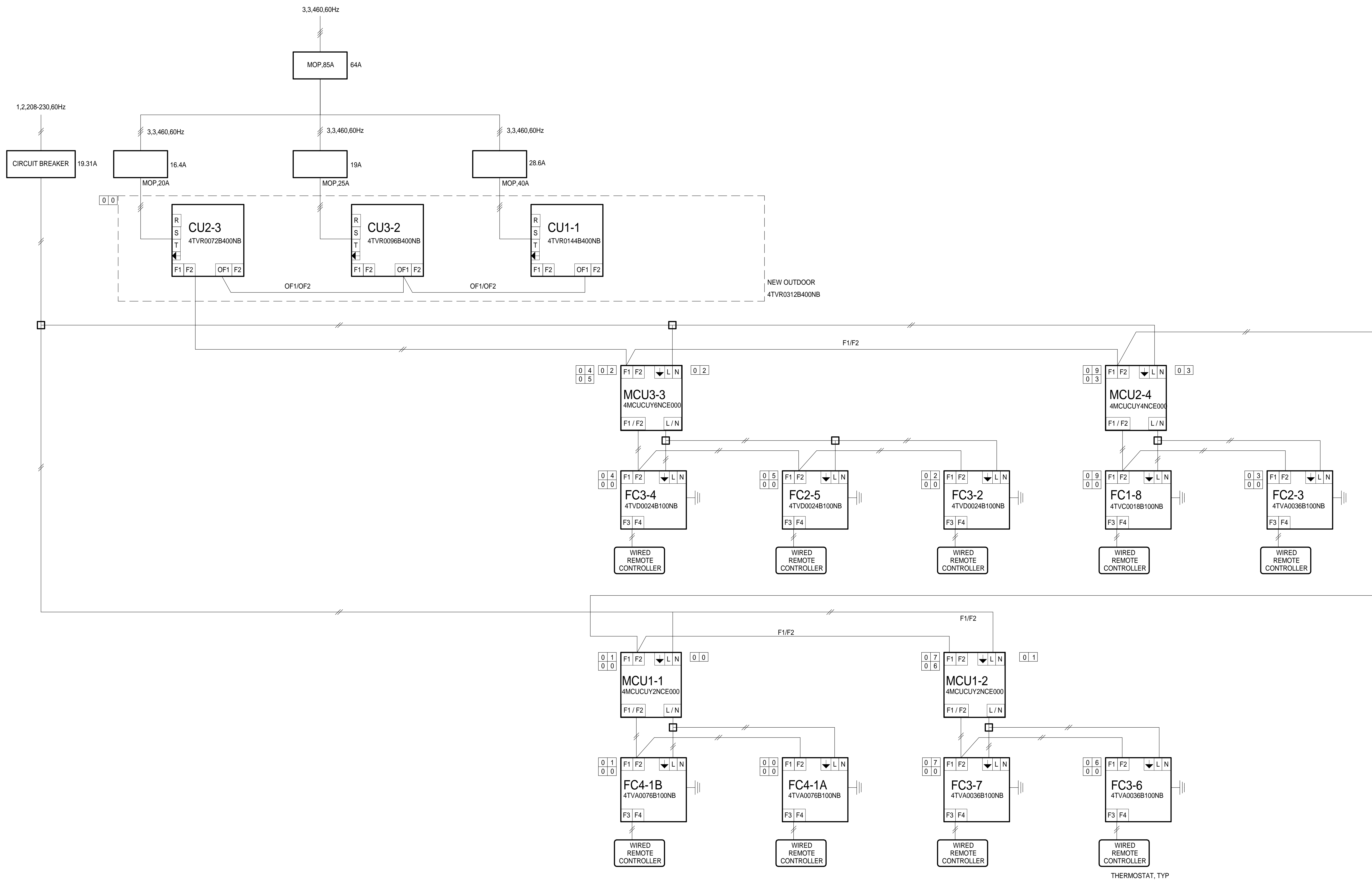
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M802



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PROJECT STATUS:

**50% CONSTRUCTION  
DOCUMENTS**

BUILDINGS:

SHEET TITLE:

**VRF SYSTEM  
WIRINGDIAGRAM**

SCALE: 0 1/2 1

REVISIONS

No.	Description	Date

JOB NO.

5006A3

DATE

8/26/15

SHEET

**M803**

1 VRF SYSTEM PIPING DIAGRAM  
NTS

MECHANICAL ABBREVIATIONS		POWER SYMBOLS	
SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
AC	ABOVE CEILING	MFR	MANUFACTURER
AFF	ABOVE FINISHED FLOOR	MATV	MASTER ANTENNA TELEVISION
AFG	ABOVE FINISHED GRADE	MOM	MOMENTARY
ACCPNL	ACCESS PANEL	M	MOTOR
AWG	AMERICAN WIRE GAUGE	MC	MOTOR CONTROLLER
AIC	AMP INTERRUPTING CURRENT	MTD	MOUNTED
A	AMPERE (AMPS)	MTG	MOUNTING
AF	AMPS-FRAME		
AT	AMPS-TRIP	NL	NIGHT LIGHT
ATS	AUTOMATIC TRANSFER SWITCH	NF	NON-FUSED
		NOR	NORMAL
BIL	BASIC IMPULSE LEVEL	NC	NORMALLY CLOSED
BFG	BELOW FINISHED GRADE	NO	NORMALLY OPEN/NUMBER
BPT	BY-PASS TIMER	#	NUMBER
CAB	CABINET	PNL	PANEL
CLG	CEILING	PH	PHASE
CL	CENTERLINE	POC	POINT OF CONNECTION
CKT	CIRCUIT	P	POLE
CB	CIRCUIT BREAKER	PVC	POLYVINYL CHLORIDE DUCT
CCTV	CLOSED CIRCUIT TELEVISION	PWR	POWER
CX	COAXIAL CABLE	PF	POWER FACTOR
COMM	COMMUNICATION	PRI	PRIMARY
C	CONDUIT	PA	PUBLIC ADDRESS
CO	CONDUIT ONLY	PB	PULL BOX
CU	COPPER		
DF	DRINKING FOUNTAIN	REFRIG	REFRIGERATOR
		(R)	REMOVE
EWC	ELECTRIC WATER COOLER	(RR)	REMOVE AND RELOCATE
EMT	ELECTRICAL METALLIC TUBING CONDUIT	RVS	REVERSE
		RMC	RIGID METALLIC CONDUIT
		RMS	ROOT MEAN SQUARE
EM	EMERGENCY		
ENCL	ENCLOSURE	SHT	SHEET
(ER)	EXISTING RELOCATE	SPST	SINGLE POLE SINGLE THROW
		SN	SOLID NEUTRAL
FA	FIRE ALARM	SSC	SOUND SYSTEM CABINET
FLEX	FLEXIBLE METAL CONDUIT	SW	SWITCH
FLUOR	FLUORESCENT	SWBD	SWITCHBOARD
FLA	FULL LOAD AMPS	SYM	SYMMETRICAL
FU	FUSE		
F	FUSED	TTB	TELEPHONE TERMINAL BOARD
		TTC	TELEPHONE TERMINAL CABINET
GALV	GALVANIZED	KCMIL	THOUSAND CIRCULAR MILS
GRD/GND	GROUND	MCM	THOUSAND CIRCULAR MILS
GFI	GROUND FAULT INTERRUPTER	TC	TIMECLOCK
GFR	GROUND FAULT RELAY	XFMR	TRANSFORMER
		TP	TWISTED PAIR
HZ	HERTZ	TPS	TWISTED PAIR SHIELDED
HID	HIGH INTENSITY DISCHARGE	2SP	TWO SPEED
HPS	HIGH PRESSURE SODIUM		
HP	HORSEPOWER	UG	UNDERGROUND
		UPS	UNINTERRUPTIBLE POWER SYSTEM
JB	JUNCTION BOX		
		T	TIMER
KA	KILOAMPERES	V	VOLT
KV	KILOVOLT	VA	VOLTAMPERES
KVA	KILOVOLT AMPERES		
KW	KILOWATT	WHM	WATT HOUR METER
KWH	KILOWATT HOURS	WP	WEATHERPROOF
KEC	KITCHEN EQUIPMENT CONTRACTOR	W	WIRE/WATTS
LT	LIGHT		
LTG	LIGHTING		
LRA	LOCKED ROTOR AMPS		
LCL	LONG CONTINUOUS LOAD		
LV	LOW VOLTAGE		

SYMBOL	DESCRIPTION
	MAIN SWITCHBOARD, DISTRIBUTION BOARD OR MOTOR CONTROL CENTER.
	PANELBOARD
	DUPLEX OUTLET, +18" UON.
	DUPLEX OUTLET, SPLIT WIRED.
	DUPLEX OUTLET, MOUNTED ABOVE COUNTER, +42", +46" WHERE BACKSPLASH OCCURS, UON.
	DUPLEX OUTLET WITH GROUND FAULT INTERRUPTER.
	QUADRUPLX OUTLET, +18" UON.
	SINGLE OUTLET, +18" UON.
	QUADRUPLX OUTLET, MOUNTED IN FLUSH FLOOR BOX.
	DISCONNECT SWITCH
	JUNCTION BOX, 4" SQUARE UON FLOOR MOUNTED.
	JUNCTION BOX, 4" SQUARE UON WALL MOUNTED .
	ELECTRIC MOTOR
	BUZZER
	PHOTOELECTRIC SWITCH
	SWITCH, TOGGLE, SINGLE POLE, SINGLE THROW SUBSCRIPT MODIFIERS:
	1,2 SWITCHING CIRCUIT
	D DIMMER
	DR DOOR
	K KEY OPERATED
	P PILOT LIGHTED
	T TIMER
	3 THREE WAY
	4 FOUR WAY
	WALL SWITCH OCCUPANCY SENSOR.
	CEILING MOUNTED OCCUPANCY SENSOR.
	THERMOSTAT
	METER (WATT HOUR)

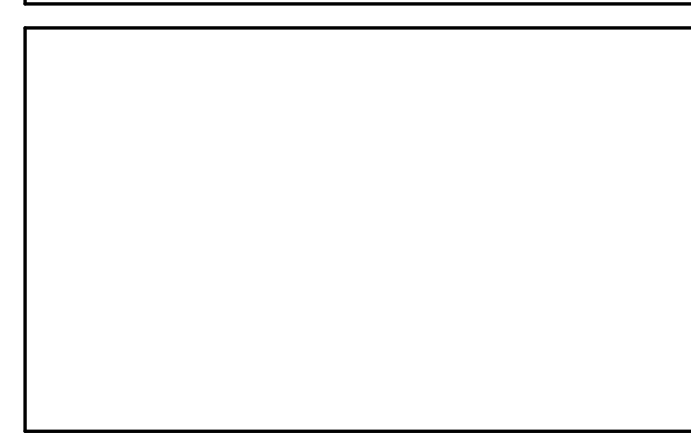
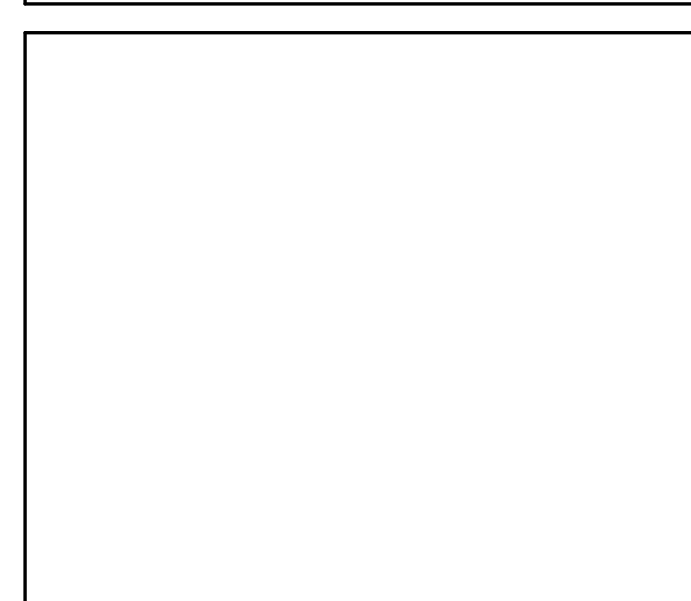
SYMBOL	DESCRIPTION
	FLUORESCENT FIXTURE, SURFACE OR PENDANT MOUNTED.
	FLUORESCENT STRIPLIGHT FIXTURE, SURFACE OR PENDANT MOUNTED.
	LUMINAIRE FIXTURE, RECESSED IN CEILING
	LUMINAIRE FIXTURE, SURFACE OR PENDANT MOUNTED.
	LUMINAIRE WALL WASHER FIXTURE, RECESSED IN CEILING.
	EXIT FIXTURE
	EMERGENCY BATTERY PACK WITH TWO FLOOR HEADS
	LIGHTING FIXTURE TYPE
	SPOT LIGHT
PP-1, 2	LIGHTING SWITCHING CIRCUIT, PANEL BOARD, CIRCUIT NUMBER.

SYMBOL	DESCRIPTION
	TELEPHONE TERMINAL BOARD, 4' x 8' x 3/4" UON.
	WALL TELEPHONE OUTLET, +18" UON.
	TELEPHONE/DATA OUTLET, +18" UON, PROVIDE 4' x 4" J-BOX W/ SINGLE GANG RING. PROVIDE 4 CABLE DROPS AT EACH OUTLET UON.
	MULTIMEDIA OUTLET, +18" UON.
	VOLUME CONTROL, +42" AFF.
	MICROPHONE OUTLET, +42" AFF.
	WALL SPEAKER
	CEILING SPEAKER
	COAXIAL CABLE JACK, +7 - 6" AFF UON. PROVIDE 4' x 4" J-BOX WITH SINGLE GANG RING.
	FIRE ALARM HORN
	FIRE ALARM HORN AND STROBE
	SMOKE SENSING FIRE DETECTOR
	KEYPAD OR KEY CARD, +42" AFF.
	DOOR CONTACT
	WALL MOUNTED MONITOR

SYMBOL	DESCRIPTION
	MATCH LINE 1 / E101A 1 / E101B VIEW NUMBER / SHEET NUMBER SHADED PORTION IS SIDE CONSIDERED
	VIEW REFERENCE 1 XXXX VIEW NUMBER SHEET NUMBER
	DETAIL SECTION 1 XXXX SECTION IDENTIFIER SHEET NUMBER
	EQUIPMENT TAG  MECHANICAL EQUIPMENT: SEE MECHANICAL DRAWINGS FOR EQUIPMENT INFORMATION.
RACEWAYS	
SYMBOL	DESCRIPTION
	CONDUIT TURNED UP
	CONDUIT TURNED DOWN
	FLEXIBLE CONDUIT
	CONDUIT HOMERUN, CONTINUOUS RUN TO PANEL OR EQUIPMENT CABINET
	CONDUIT HOMERUN CONCEALED UNDER SLAB OR UNDERGROUND
	CONNECT TO GROUNDING ELECTRODE
	GROUNDING ROD

- GENERAL NOTES:**
- PROVIDE AND LOCATE OUTLETS, WIRING AND CONTROLS, AS INDICATED OR REQUIRED FOR EQUIPMENT FURNISHED UNDER OTHER SECTIONS OR CONTRACTS PER EQUIPMENT SUPPLIERS REQUIREMENTS. CONNECT TO ALL EQUIPMENT AND ASSOCIATED CONTROLS, UNLESS OTHERWISE DIRECTED. VERIFY LOCATIONS, RATINGS, VOLTAGES, CONTROL WIRING, CONTROL DEVICES TO BE FURNISHED AND/OR INSTALLED WITH TRADE DRAWINGS AND SPECIFICATIONS. REFER TO EQUIPMENT OR SYSTEM SPECIFICATIONS REQUIRING ELECTRICAL WORK TO DETERMINE SCOPE OF WORK REQUIRED.
  - DO NOT CUT OR IN ANY WAY MODIFY ANY GIRT, BEAM OR OTHER STRUCTURAL MEMBER UNLESS SPECIFICALLY PREAPPROVED IN WRITING BY THE STRUCTURAL ENGINEER.
  - ALL NEW RACEWAYS AND WIRING SHALL BE CONCEALED IN WALLS AND CEILINGS UNLESS OTHERWISE INDICATED. PATCH AND REPAIR ANY WALLS AND CEILINGS DAMAGED BY THE INSTALLATION OF THE NEW RACEWAYS, WIRING AND DEVICES.
  - AN ELECTRICAL PERMIT IS REQUIRED BEFORE THE START OF ANY ELECTRICAL WORK. CONTRACTOR SHALL OBTAIN PERMIT AND PAY ALL ASSOCIATED FEES.
  - ALL ELECTRICAL WORK SHALL BE PERFORMED BY A C-10 LICENSED CONTRACTOR IN THE STATE OF CALIFORNIA.
  - ALL OUTDOOR ELECTRICAL EQUIPMENT AND ENCLOSURES SHALL BE NEMA 3R RATED.

Capital Expenditure Managers  
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CENTER  
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BUTTE COUNTY ASSOCIATION OF  
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PROJECT STATUS:  
**50% CONSTRUCTION DOCUMENTS**  
BUILDINGS:

SHEET TITLE:  
**ELECTRICAL ABBREVIATIONS, SYMBOLS, & NOTES**  
SCALE:

**REVISIONS**

No.	Description	Date

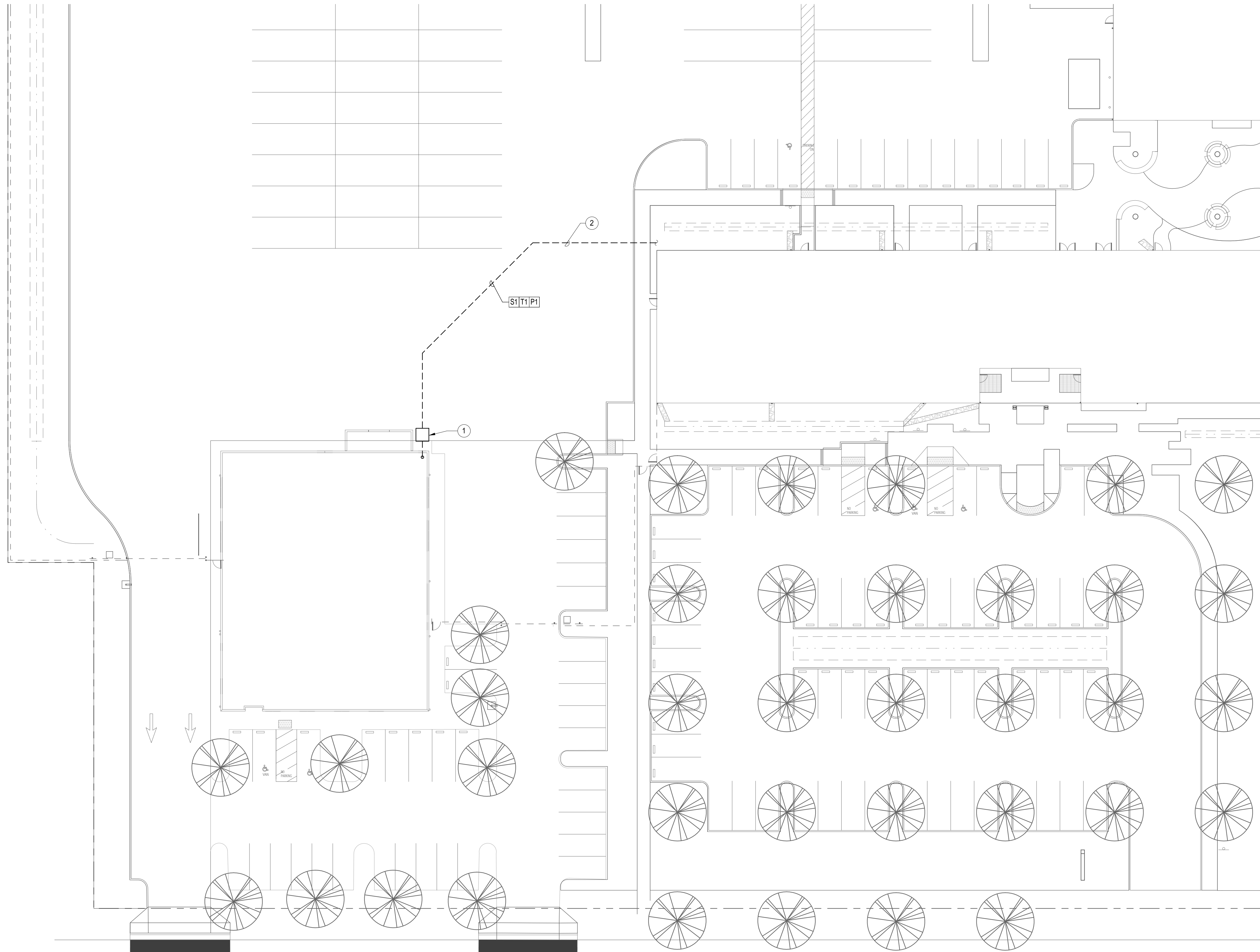
JOB NO. 5006A3  
DATE 8/26/15  
SHEET **E001**

# KEYNOTES

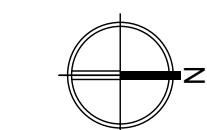
- 1 POINT OF INTERCONNECTION BETWEEN THIS CONTRACTOR AND (E) PROJECT CONTRACTOR SHALL BE AT A PULLBOX LOCATED 5'-0" OUTSIDE THIS BUILDING. PROVIDE ONE PULLBOX FOR POWER, ONE PULLBOX FOR SECURITY/FIRE ALARM, AND ONE PULLBOX FOR TELEPHONE/DATA.
- 2 (E) CONDUITS AND CABLE PROVIDED BY (E) PROJECT CONTRACTOR. (E) PROJECT CONTRACTOR SHALL EXTEND CONDUITS TO POINT OF INTERCONNECTION AND COIL INSIDE PULLBOX FOR TERMINATION BY THIS CONTRACTOR.

LEGEND:

- P1 1 - 3" C FOR POWER
- S1 1 - 2" C FOR SECURITY  
1 - 2" C FOR FIRE ALARM  
1 - 2" C SPARE
- T1 1 - 2" C FOR TELEPHONE/DATA  
1 - 2" C SPARE



1 ELECTRICAL SITE PLAN  
1" = 20'-0"



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PROJECT STATUS:

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DOCUMENTS

BUILDINGS:

SHEET TITLE:

ELECTRICAL SITE PLAN

SCALE:



REVISIONS

No.	Description	Date

JOB NO.

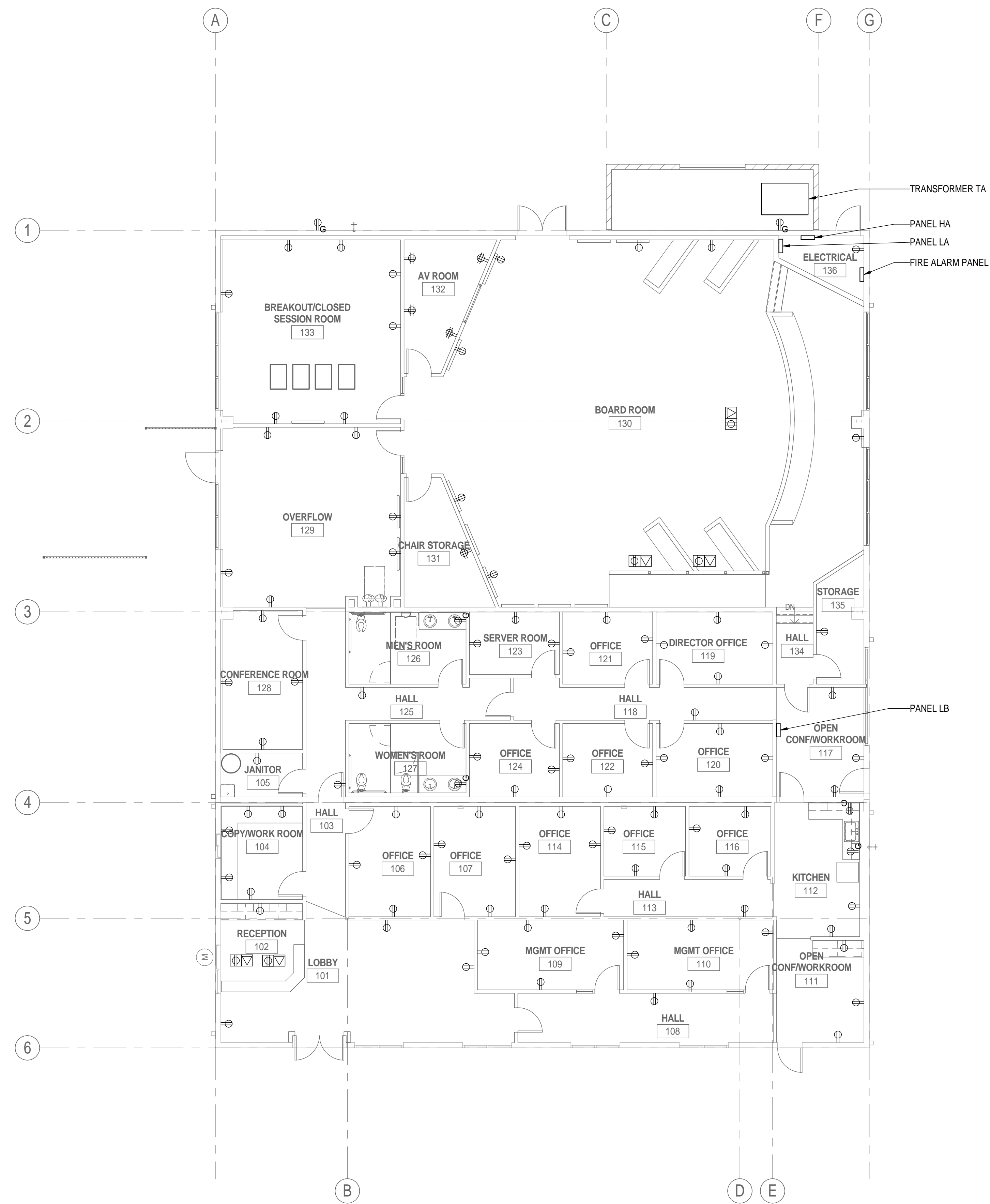
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SHEET

**E100**



**1** ELECTRICAL POWER PLAN  
 1/8" = 1'-0"

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PROJECT STATUS:

**50% CONSTRUCTION  
 DOCUMENTS**

BUILDINGS:

SHEET TITLE:

**ELECTRICAL POWER  
 PLAN**

SCALE: 0 1/2 1  
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**REVISIONS**

No.	Description	Date

JOB NO.

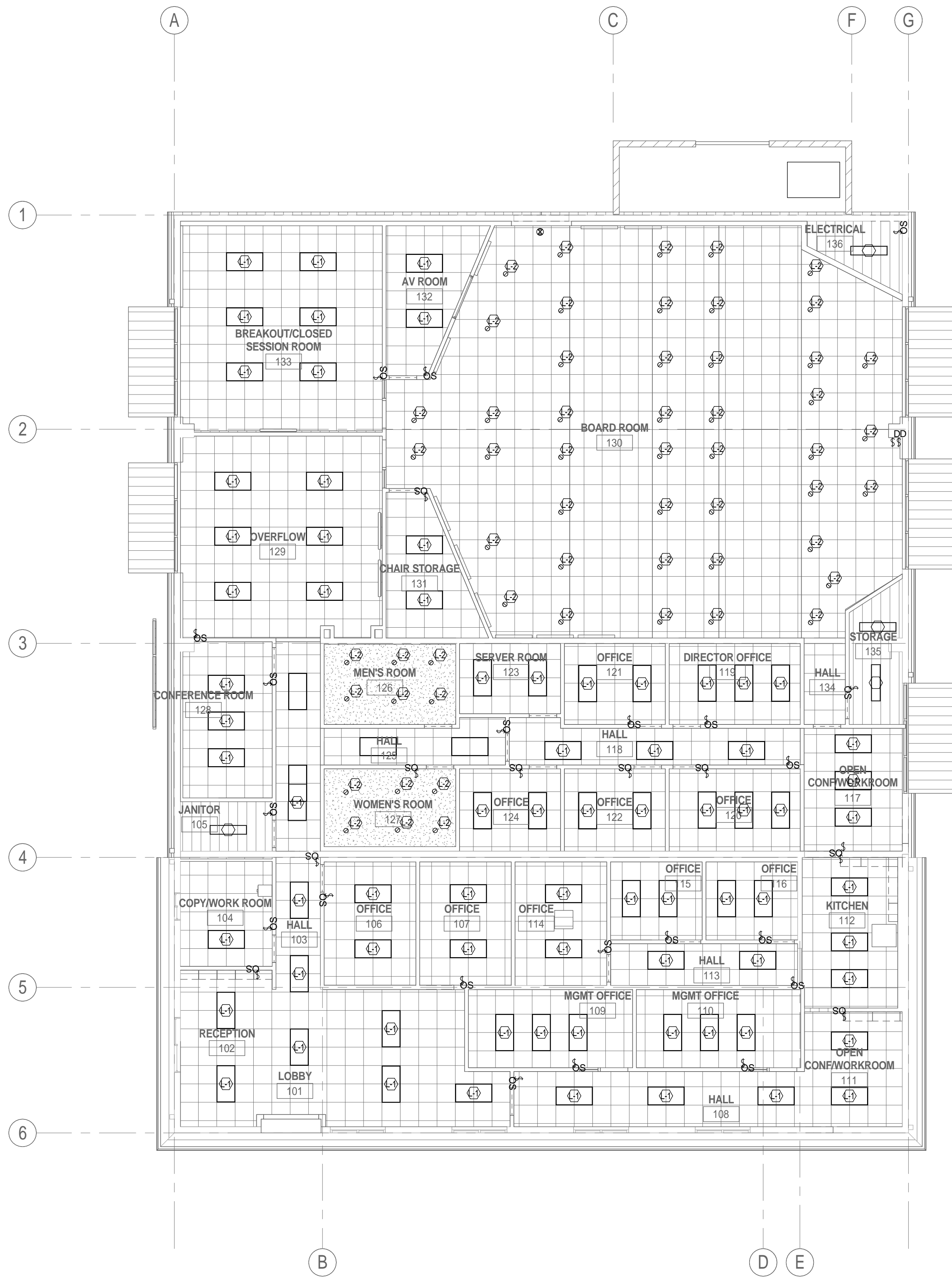
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DATE

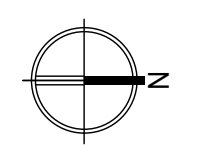
8/26/15

SHEET

**E201**



**1 ELECTRICAL LIGHTING PLAN**  
 1/8" = 1'-0"



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PROJECT STATUS:  
**50% CONSTRUCTION DOCUMENTS**

SHEET TITLE:  
**ELECTRICAL LIGHTING PLAN**

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

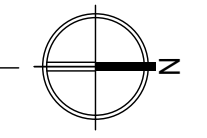
**REVISIONS**

No.	Description	Date

JOB NO. 5006A3	SHEET <b>E202</b>
DATE 8/26/15	



**1** ELECTRICAL DATA PLAN  
 1/8" = 1'-0"



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PROJECT STATUS:  
**50% CONSTRUCTION DOCUMENTS**

BUILDINGS:  
**ELECTRICAL DATA PLAN**

SHEET TITLE:  
**ELECTRICAL DATA PLAN**

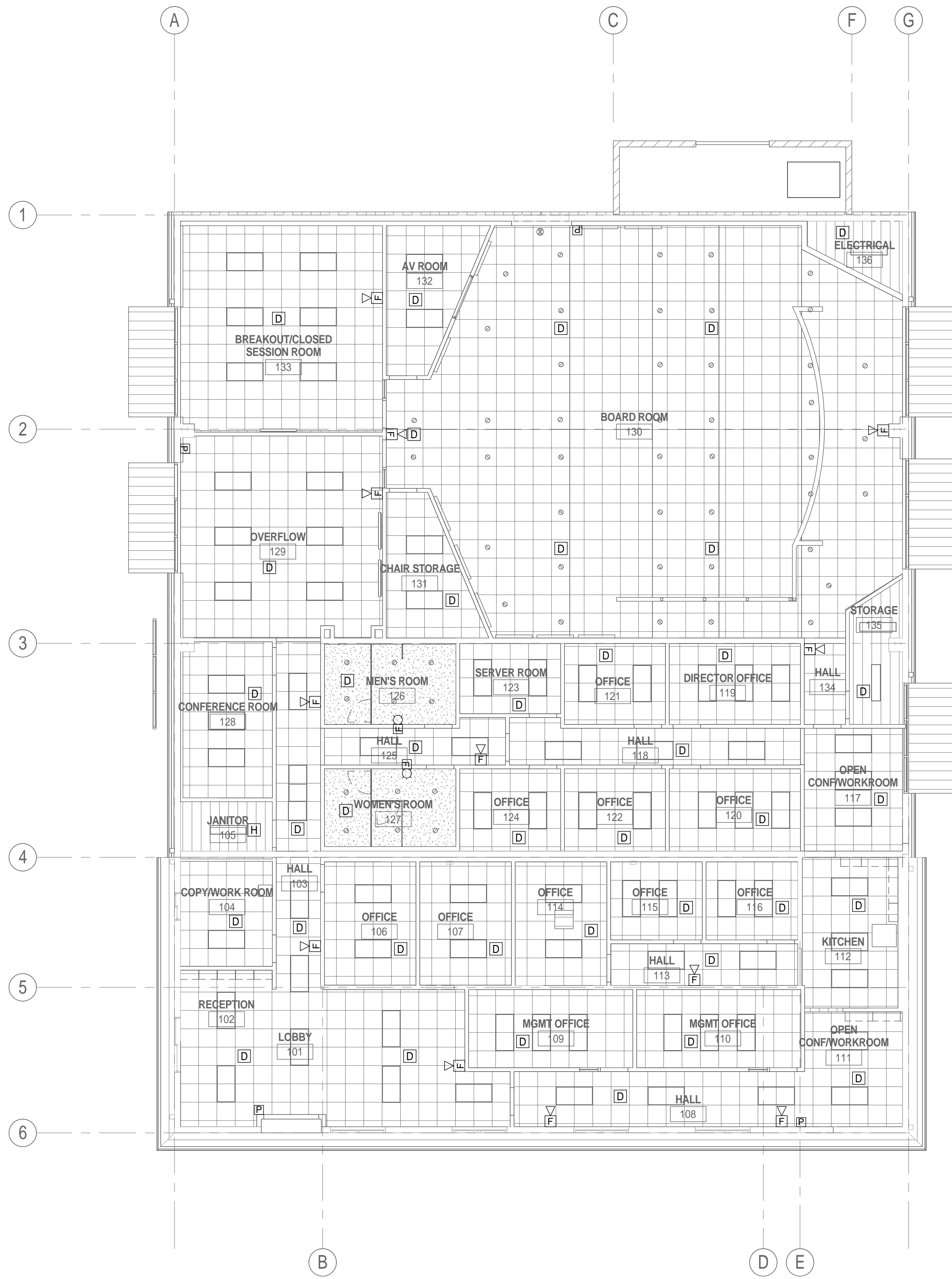
SCALE: 0 1/2 1  
BASE TO ONE FOOT ON ORIGINAL DRAWING. IF NOT ONE FOOT ON THIS SHEET, ADJUST SCALES ACCORDINGLY.

**REVISIONS**

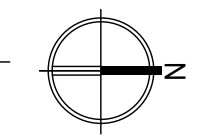
No.	Description	Date

JOB NO. 5006A3	SHEET <b>E203</b>
DATE 8/26/15	





1 FIRE ALARM PLAN  
 1/8" = 1'-0"



BUTTE REGIONAL TRANSIT OPERATIONS  
 CENTER  
 326 HUSS LANE, CHICO CA

BUTTE COUNTY ASSOCIATION OF  
 GOVERNMENTS

NOT FOR CONSTRUCTION

PROJECT STATUS:  
 50% CONSTRUCTION  
 DOCUMENTS

BUILDINGS:  
 SHEET TITLE:  
 FIRE ALARM PLAN

SCALE: 0 1/2 1

REVISIONS

No.	Description	Date

JOB NO. 5006A3	SHEET <b>E204</b>
DATE 8/26/15	



1 SECURITY PLAN  
 1/8" = 1'-0"



2 A/V PLAN  
 1/8" = 1'-0"



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 CENTER  
 326 HUSS LANE, CHICO CA

BUTTE COUNTY ASSOCIATION OF  
 GOVERNMENTS

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PROJECT STATUS:

50% CONSTRUCTION  
 DOCUMENTS

BUILDINGS:

SHEET TITLE:

SECURITY & A/V PLANS

SCALE:



BASE TO ONE FOOT ON ORIGINAL DRAWING. IF NOT ONE FOOT ON THIS SHEET, ADJUST SCALES ACCORDINGLY.

REVISIONS

No.	Description	Date

JOB NO.

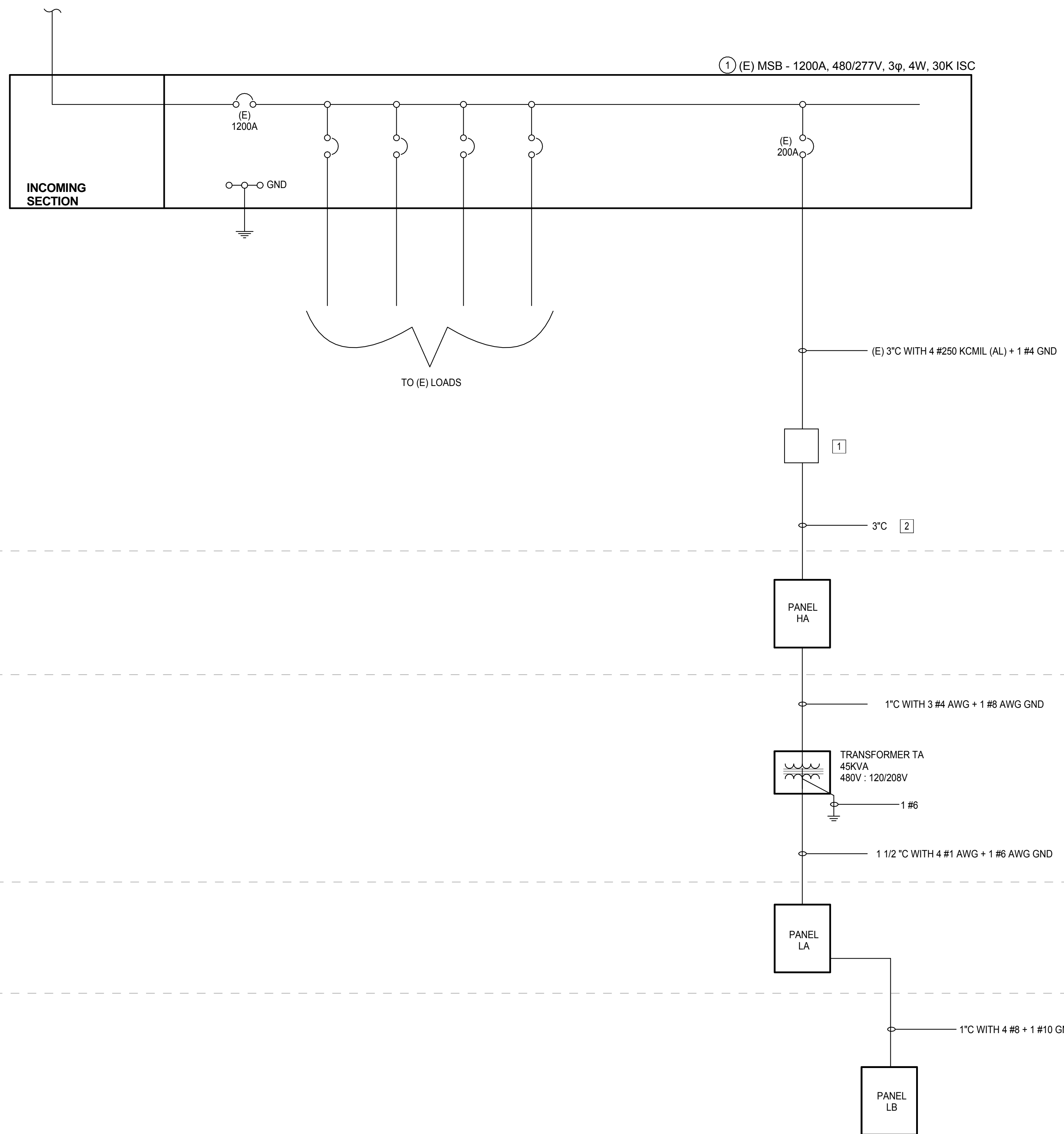
5006A3

SHEET

E205

DATE

8/26/15



**KEYNOTES:**

- 1 POINT OF INTERCONNECTION BETWEEN THIS CONTRACTOR AND (E) PROJECT CONTRACTOR SHALL BE AT A PULLBOX LOCATED 5'-0" OUTSIDE THIS BUILDING. PULLBOX PROVIDED BY THIS CONTRACTOR.
- 2 (E) PROJECT CONTRACTOR SHALL EXTEND CONDUCTORS TO PANEL HA IN CONDUIT PROVIDED BY THIS CONTRACTOR. FINAL CONNECTION OF CONDUCTORS AT PANEL HA SHALL BE BY THIS CONTRACTOR.

EXTERIOR

ELECTRICAL ROOM

UTILITY YARD

ELECTRICAL ROOM

OPEN WORKROOM 117

1 SINGLE LINE DIAGRAM  
NTS



BUTTE REGIONAL TRANSIT OPERATIONS  
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PROJECT STATUS:

50% CONSTRUCTION  
DOCUMENTS

BUILDINGS:

SHEET TITLE:

ELECTRICAL SINGLE  
LINE DIAGRAM

SCALE: 0 1/2 1

**REVISIONS**

No.	Description	Date

JOB NO. 5006A3	SHEET <b>E801</b>
DATE 8/26/15	

PLUMBING ABBREVIATIONS table with columns for SYMBOL, DESCRIPTION, SYMBOL, DESCRIPTION. Includes items like A COMPRESSED AIR, ABC ABOVE CEILING, AD AREA DRAIN, etc.

PLUMBING SYMBOLS table with columns for SYMBOL, DESCRIPTION, SYMBOL, DESCRIPTION. Includes symbols for 140° HOT WATER, 180° HOT WATER, COMPRESSED AIR, etc.

FIXTURE CONNECTIONS (INCHES) table with columns for FIXTURE, SYMB, VENT, WASTE, COLD WATER, HOT WATER. Includes rows for WATER CLOSET, URINAL WALL, LAVATORY, etc.

CA GREEN BUILDING STANDARD section containing TABLE 5.303.6 STANDARDS FOR PLUMBING FIXTURES AND FIXTURE FITTINGS, GAS WATER HEATER SCHEDULE table, and PLUMBING FIXTURES table.

KITCHELL logo and contact information: Capital Expenditure Managers, Gateway Oaks Drive, Suite 300, Sacramento, CA, 95833.

REQUIRED STANDARDS table listing specifications for water closets, urinals, and lavatory faucets.

Blank space for notes or additional information.

BCAG logo and BUTTE COUNTY ASSOCIATION OF GOVERNMENTS text, oriented vertically.

NOT FOR CONSTRUCTION

PROJECT STATUS: 50% CONSTRUCTION DOCUMENTS

SHEET TITLE: PLUMBING ABBREVIATIONS, SYMBOLS & NOTES. Includes a graphical scale.

REVISIONS table with columns for No., Description, Date.

JOBSHEET information: JOB NO. 5006A3, DATE 8/26/15, and large P001 identifier.

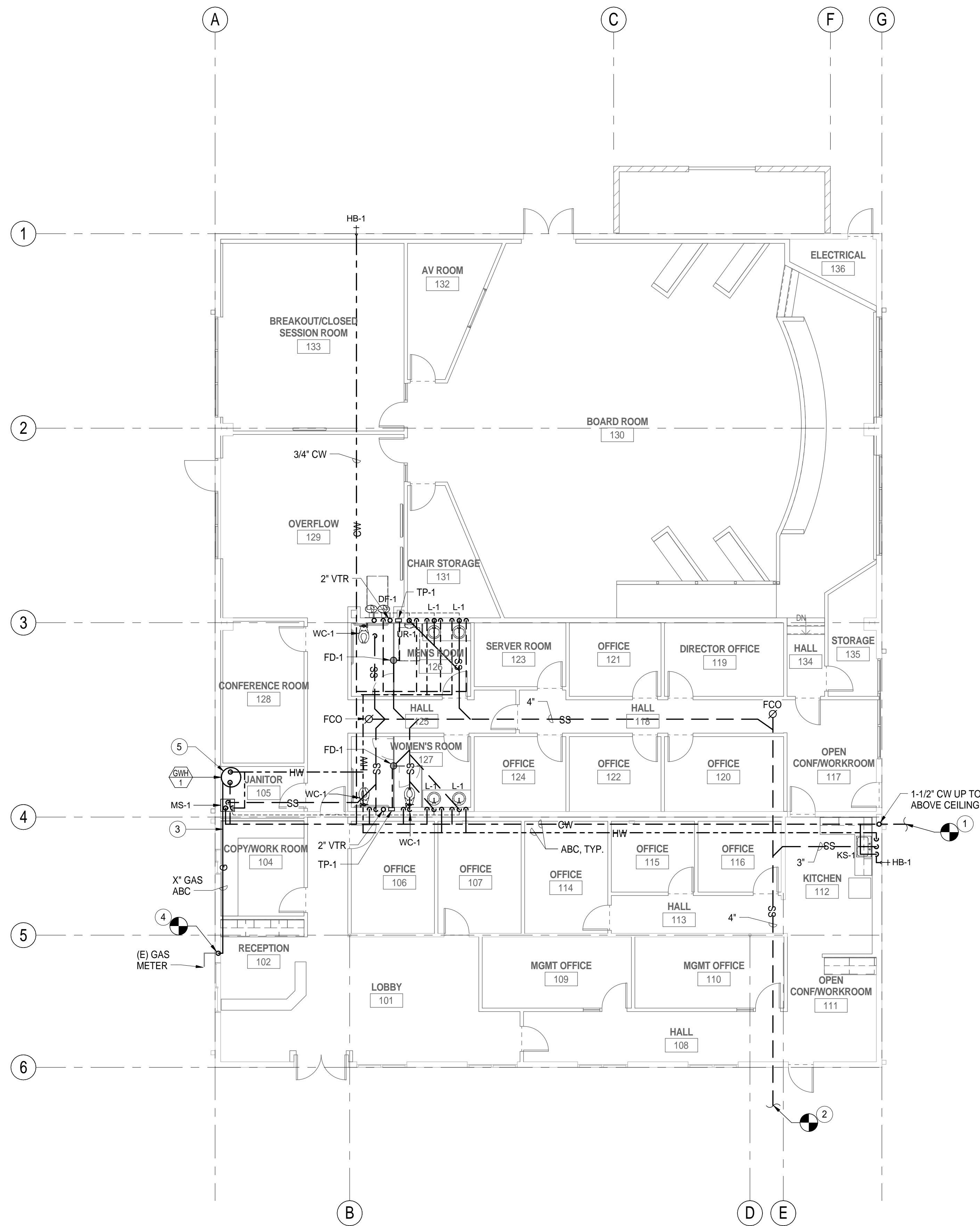
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**# KEYNOTES**

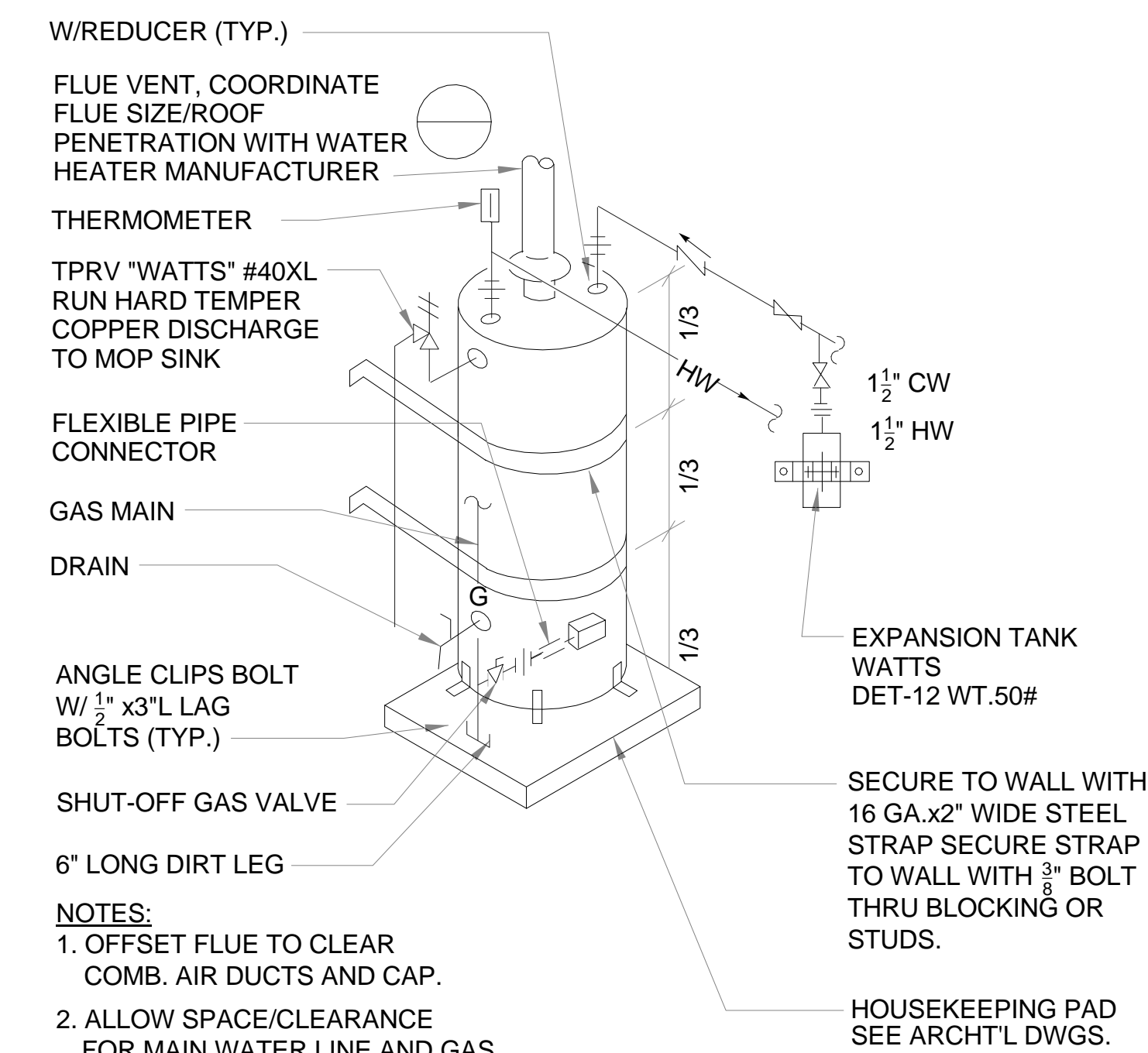
- 1 CONNECT 1-1/2" CW TO EXISTING CW LINE OUTSIDE OF BUILDING. FIELD VERIFY POINT OF CONNECTION.
- 2 CONNECT 4" SS TO EXISTING SS LINE OUTSIDE OF BUILDING. FIELD VERIFY POINT OF CONNECTION.
- 3 CONNECT X" GAS TO GWH-1 WITH SHUT-OFF GAS VALVE AND 6" LONG DIRT LEG AS SHOWN IN DETAIL 2/P201.
- 4 CONNECT X" GAS TO (E) GAS LINE.
- 5 PROVIDE COMBINATION FLUE VENT AND COMBUSTION AIR INTAKE PER MANUFACTURER RECOMMENDATIONS.

**GENERAL NOTES:**

1. PLUMBING PIPES SHOWN OUT OF WALL FOR CLARITY PURPOSES.
2. EXISTING PLUMBING PIPE LOCATIONS ARE ESTIMATE FROM FIELD SURVEY. CONTRACTOR SHALL VISIT THE SITE TO VERIFY ALL EXISTING CONDITIONS PRIOR TO SHOP DRAWING PREPARATION.
3. ALL PIPING LOCATED IN WALLS OR ABOVE CEILING HAVING SHUT OFF VALVES OR OTHER DEVICES REQUIRING ACCESS FOR OPERATION OR MAINTENANCE SHALL BE PROVIDED WITH ACCESS DOORS OF ADEQUATE SIZE FOR SERVICE.
4. DESIGN DRAWINGS ARE DIAGRAMMATIC AND DO NOT SHOW ALL OFFSETS, BENDS, ELBOWS AND OTHER ELEMENTS THAT MAY BE REQUIRED. THE DRAWINGS SHOW THE GENERAL ARRANGEMENT OF EQUIPMENT, PIPE, ETC., AND SHALL BE FOLLOWED AS CLOSELY TO THE ACTUAL BUILDING CONSTRUCTION AND THE WORK FROM OTHER TRADES SHALL PERMIT. CONTRACTOR WILL PROVIDE ALL NECESSARY ACCESSORIES REQUIRED FOR A COMPLETE INSTALLATION.
5. FOR SAW CUTTING EXISTING SLAB, SEE A \_\_\_\_\_.



**1 PLUMBING PLAN**  
1/8" = 1'-0"



**2 GAS WATER HEATER DETAIL**  
NTS

- NOTES:**
1. OFFSET FLUE TO CLEAR COMB. AIR DUCTS AND CAP.
  2. ALLOW SPACE/CLEARANCE FOR MAIN WATER LINE AND GAS WITHIN THE ROOM.



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PROJECT STATUS:

**50% CONSTRUCTION DOCUMENTS**

BUILDINGS:

SHEET TITLE:

**PLUMBING FLOOR PLAN WITH PLUMBING FIXTURES LOCATED**

SCALE: 0 1/2 1  
BASE IS ONE FOOT ON ORIGINAL DRAWING. IF NOT ONE FOOT ON THIS SHEET, ADJUST SCALES ACCORDINGLY.

**REVISIONS**

No.	Description	Date

JOB NO.

5006A3

DATE

8/26/15

SHEET

**P201**