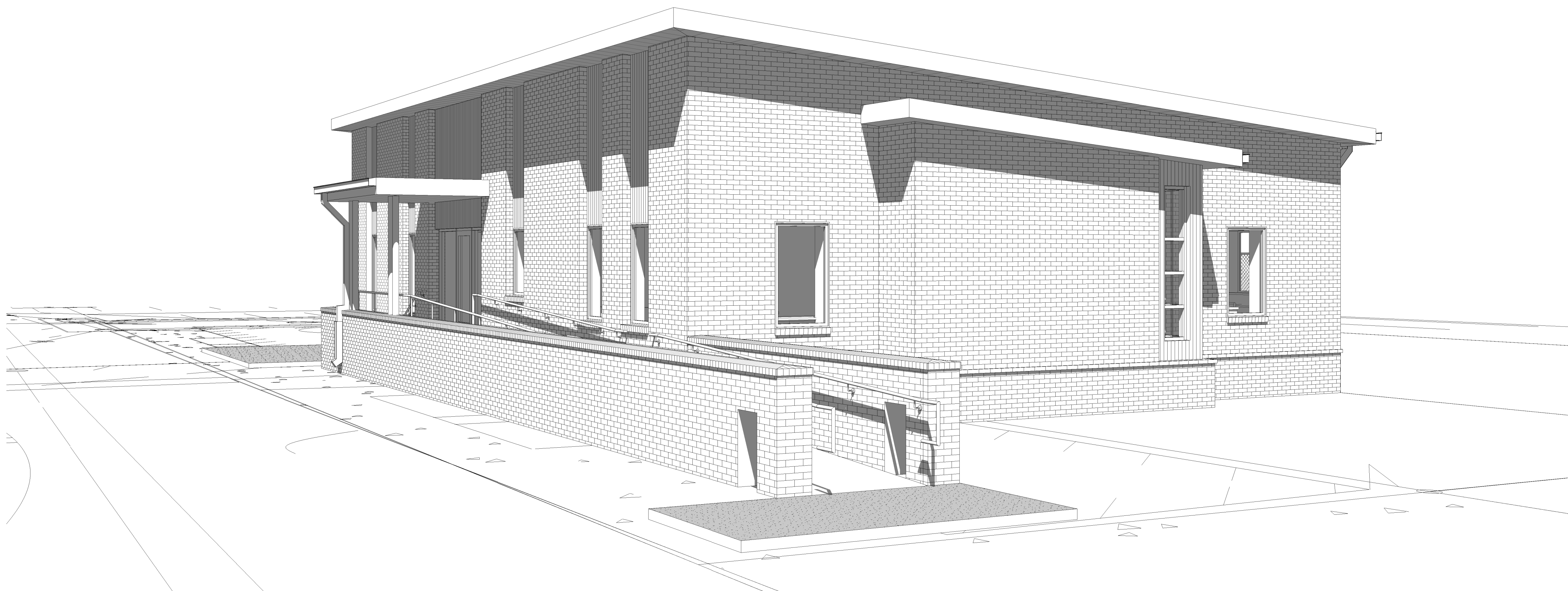


# SAINT PAUL THE APOSTLE CATHOLIC CHURCH NEW CHURCH OFFICE BUILDING

6828 CHEF MENTEUR HWY.  
NEW ORLEANS, LA 70126



## PROJECT DIRECTORY

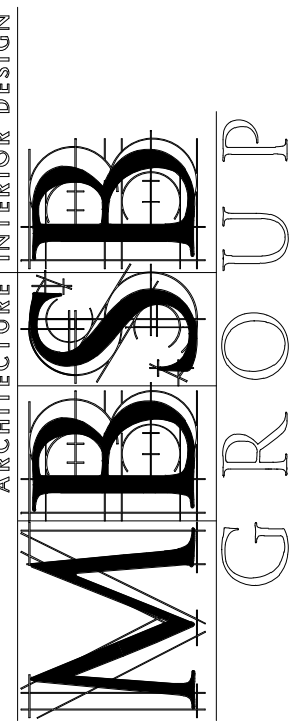
OWNER:	ST. PAUL THE APOSTLE ROMAN CATHOLIC CHURCH 6828 CHEF MENTEUR HWY. NEW ORLEANS, LOUISIANA 70126 (504)242-8820
OWNER CONTACT:	CHARLES NDUMBI
ARCHITECT:	MBSB GROUP 101 LA RUE FRANCE, SUITE 205 LAFAYETTE, LA 70508 (337)237-2770
PROJECT ARCHITECT:	MARK STIELPER
STRUCTURAL ENGINEER:	FOX NESBIT ENGINEERING 1515 POYDRAS STREET, SUITE 1020 NEW ORLEANS, LA 70112 (504)500-9640
PROJECT CONTACT:	TOLI SAVVAIDES
MECHANICAL ENGINEER:	M&E CONSULTING 1304 BERTRAND DR. SUITE F7 LAFAYETTE, LA 70506 (337)234-7474
PROJECT CONTACT:	DUSTIN DUVAL
ELECTRICAL ENGINEER:	M&E CONSULTING 1304 BERTRAND DR. SUITE F7 LAFAYETTE, LA 70506 (337)234-7474
PROJECT CONTACT:	TERRY KIRSCH

## GENERAL NOTES

- A DO NOT SCALE DRAWINGS. USE WRITTEN DIMENSIONS ONLY. SUBMIT IMMEDIATELY TO ARCHITECT ANY DISCREPANCIES FOR CLARIFICATION.
- B ALL WORK SHALL BE IN COMPLIANCE WITH THE INTERNATIONAL BUILDING CODE, RECOGNIZED INDUSTRY STANDARDS, CRAFTSMANSHIP STANDARDS IN THE AREA, ALL MANUFACTURER'S RECOMMENDATIONS, AND ALL OTHER APPLICABLE CODES.
- C CONTRACTORS' PARKING OF CARS, TRUCKS AND EQUIPMENT AND MATERIALS WILL BE ALLOWED ON THE SITE IN DESIGNATED AREAS. DO NOT INTERFERE WITH THE OWNER'S USE OF ADJACENT PROPERTIES.
- D CONTRACTOR IS RESPONSIBLE FOR THE LOCATION AND COORDINATION OF ALL CONDUIT, PIPING AND DUCTWORK WITH THE VARIOUS TRADES.
- E THE CONTRACTOR SHALL BE RESPONSIBLE FOR BUILDING THIS PROJECT IN ACCORDANCE WITH THE PLANS AND SPECIFICATIONS UNLESS HE RECEIVES A WRITTEN NOTIFICATION FROM THE ARCHITECT TO THE CONTRARY.
- F THE CONTRACTOR(S) SHALL OBTAIN AND PAY FOR ALL NECESSARY PERMITS. THE CONTRACTOR SHALL ARRANGE FOR INSPECTION BY GOVERNING AUTHORITIES.
- G CONSTRUCTION SITE SHALL BE MAINTAINED IN A CLEAN CONDITION. ALL TRASH AND DEBRIS SHALL BE PLACED IN TRASH CONTAINERS AND/OR DUMPSTER AFTER EACH WORK DAY. CLEAN ALL INTERIOR SURFACES AT THE END OF CONSTRUCTION.
- H ANY DAMAGE TO EXISTING STRUCTURES SHALL BE REPLACED OR REPAIRED TO THE SATISFACTION OF THE OWNER AT THE EXPENSE OF THE GENERAL CONTRACTOR.

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A5.2	EXTERIOR ELEVATIONS
A6.1	BUILDING SECTIONS
A7.1	INTERIOR ELEVATIONS
A8.1	REFLECTED CEILING PLAN
A9.1	EXTERIOR DETAILS
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A10.1	INTERIOR DETAILS
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E4.1	MECHANICAL POWER PLAN
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101 LA RUE FRANCE, SUITE 205  
LAFAYETTE, LOUISIANA 70508  
(337)237-2770 FAX (337)237-2772

SAINT PAUL THE APOSTLE CATHOLIC CHURCH  
NEW CHURCH OFFICE BUILDING  
6828 CHEF MENTEUR HWY.  
NEW ORLEANS, LA 70126

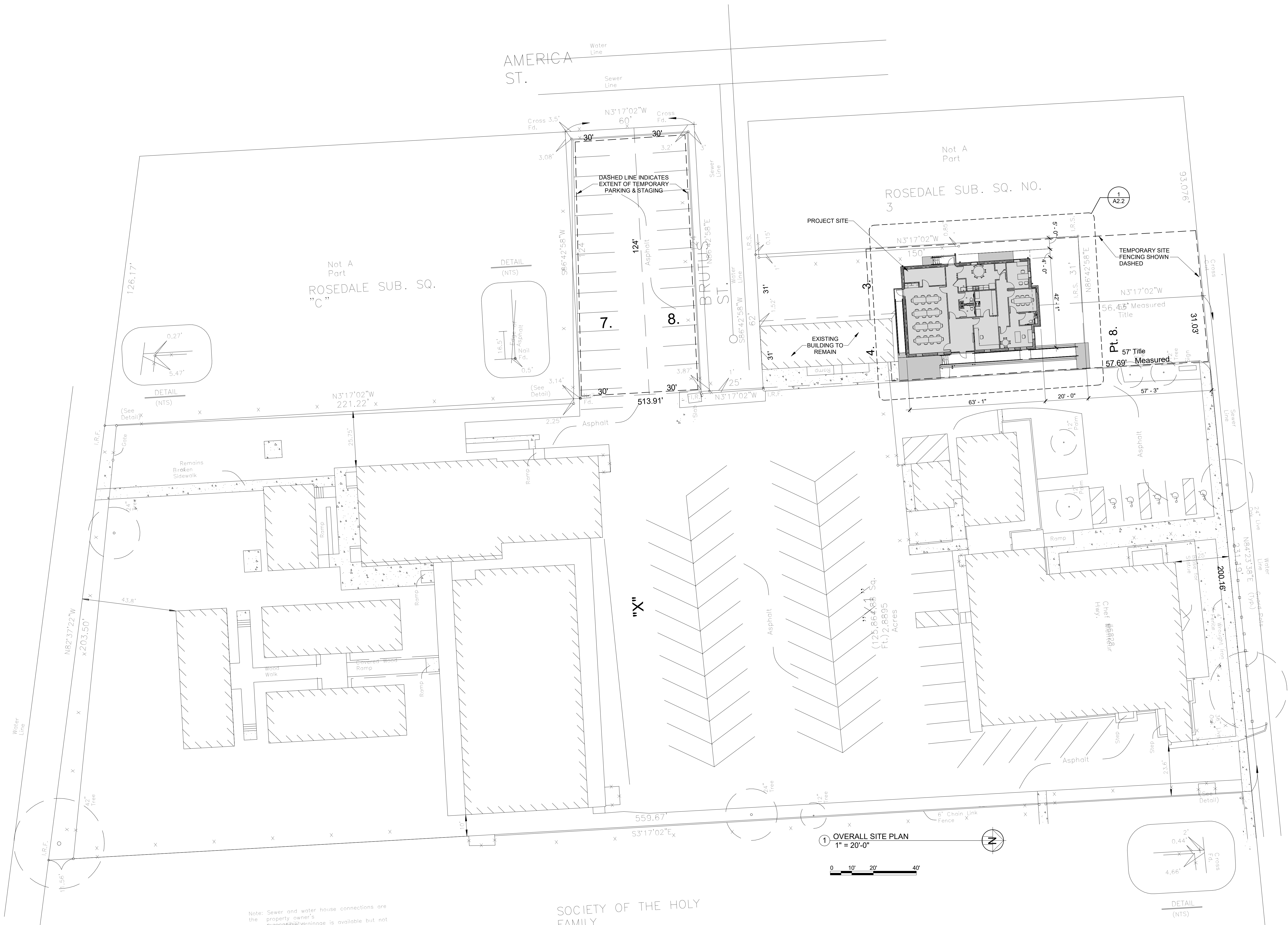
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project no.	2019008.00
date	09/15/2023
designed by	MS
drawn by	MB
checked by	MS
revised	



A1.1





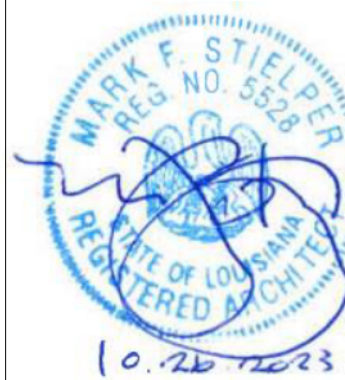
Note: Sewer and water house connections are the property owner's responsibility. A connection is available but not shown.

SAINT PAUL THE APOSTLE CATHOLIC CHURCH  
NEW CHURCH OFFICE BUILDING

6828 CHEF MENTEUR HWY.  
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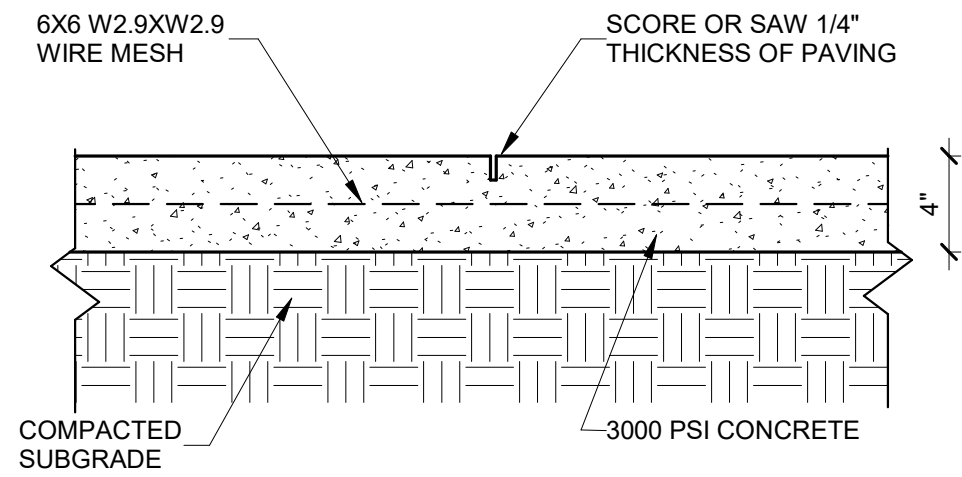
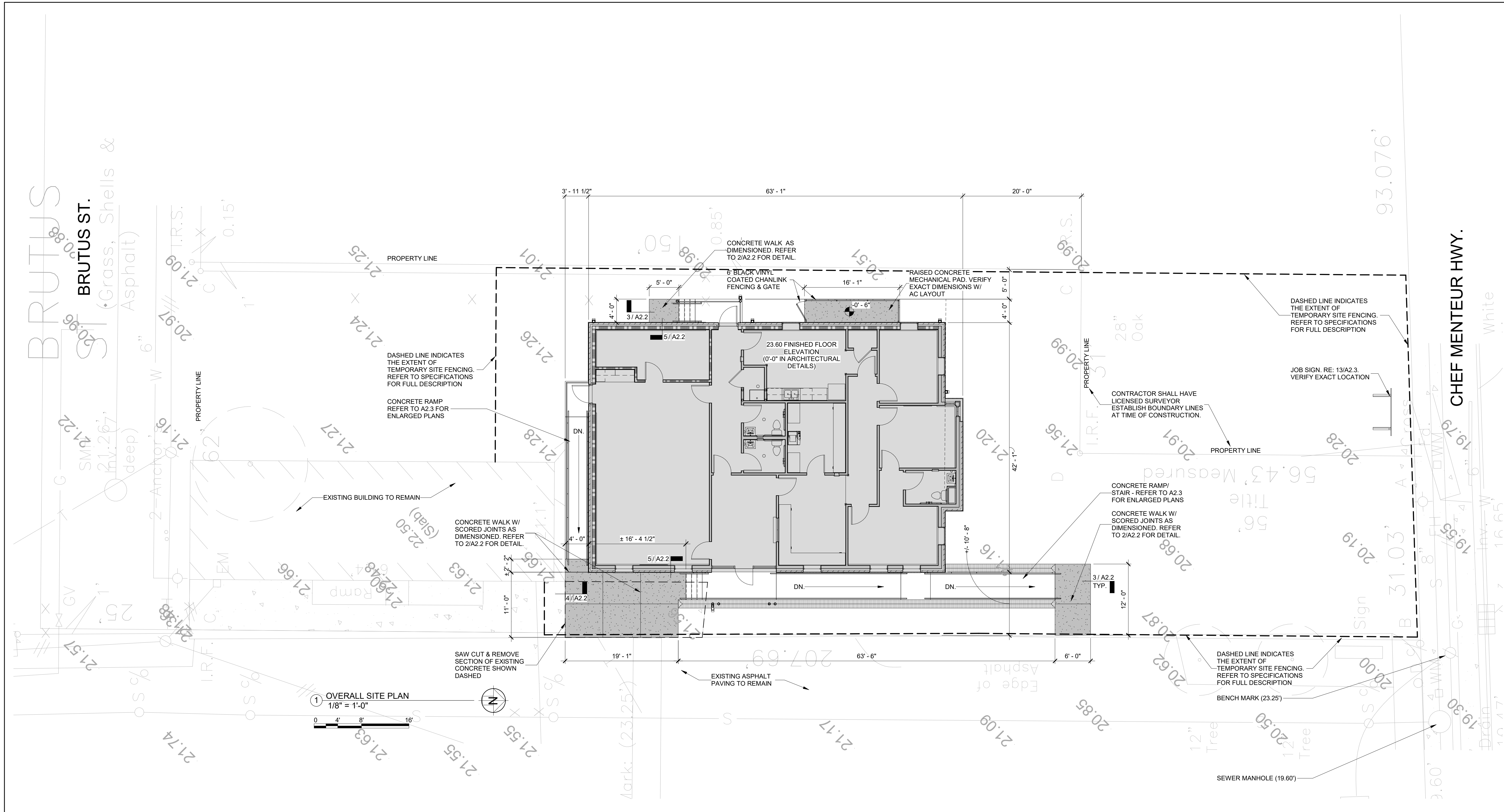
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DOCUMENTS

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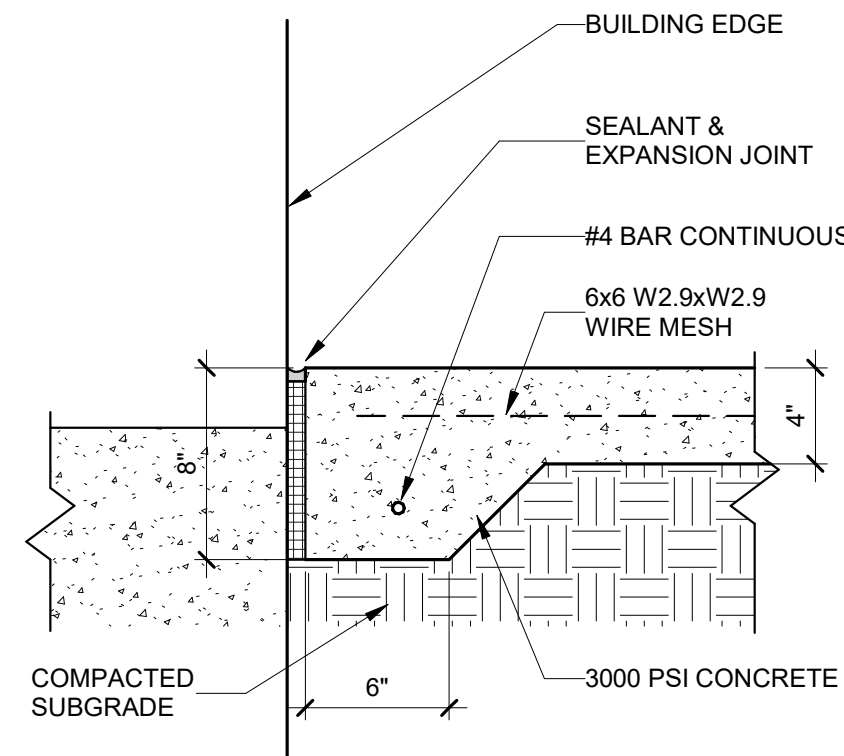
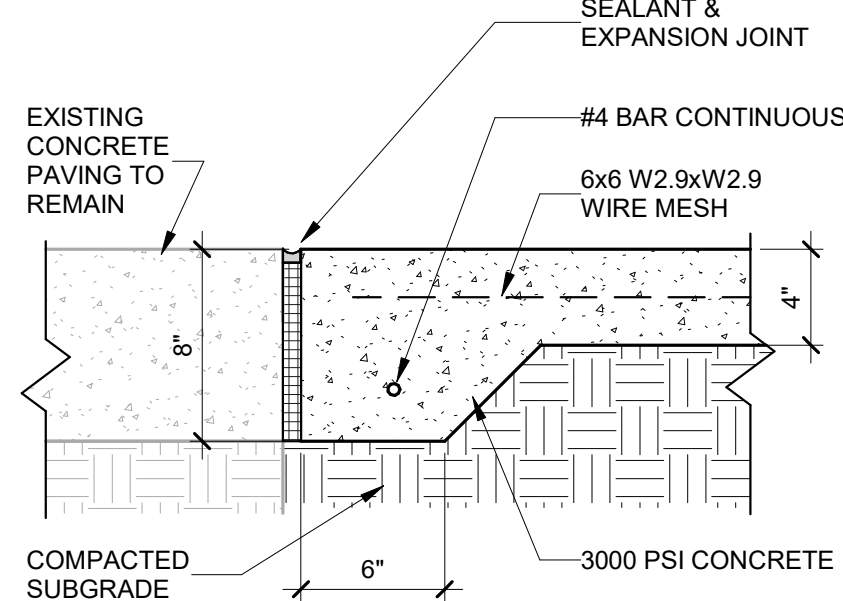
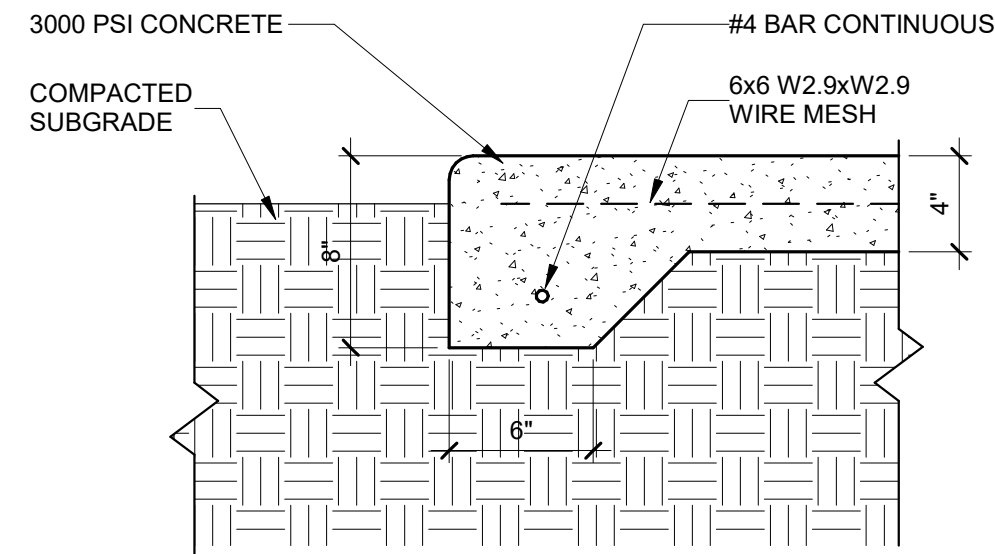


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**SIDEWALK PAVING NOTES**

1. SCORED JOINTS SPACING TO EQUAL SIDEWALK WIDTH UP TO 6' MAX. CONCRETE SHALL BE FINISHED BY MEANS OF A FLOAT, STEEL TROWELLED AND BROOMED WITH A FINE BRUSH IN A TRANSVERSE DIRECTION.
2. FORM OUTSIDE EDGES AND JOINTS WITH 1/4" RADIUS EDGING TOOL. SIDEWALK SURFACE SHOULD BE SLOPED FROM BACK TO FRONT AT 1/4" PER FOOT TO DRAIN AWAY FROM BUILDING



SAINT PAUL THE APOSTLE CATHOLIC CHURCH  
**NEW CHURCH OFFICE BUILDING**

6828 CHEF MENTEUR HWY.  
NEW ORLEANS, LA 70126

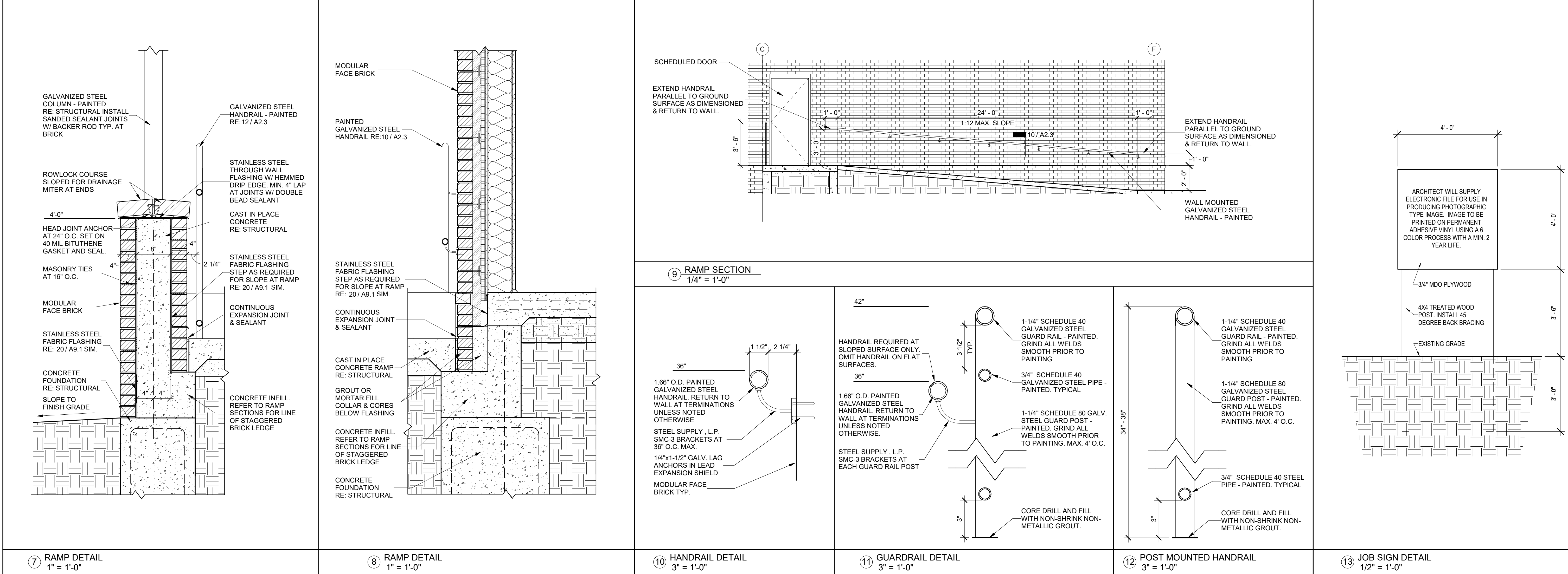
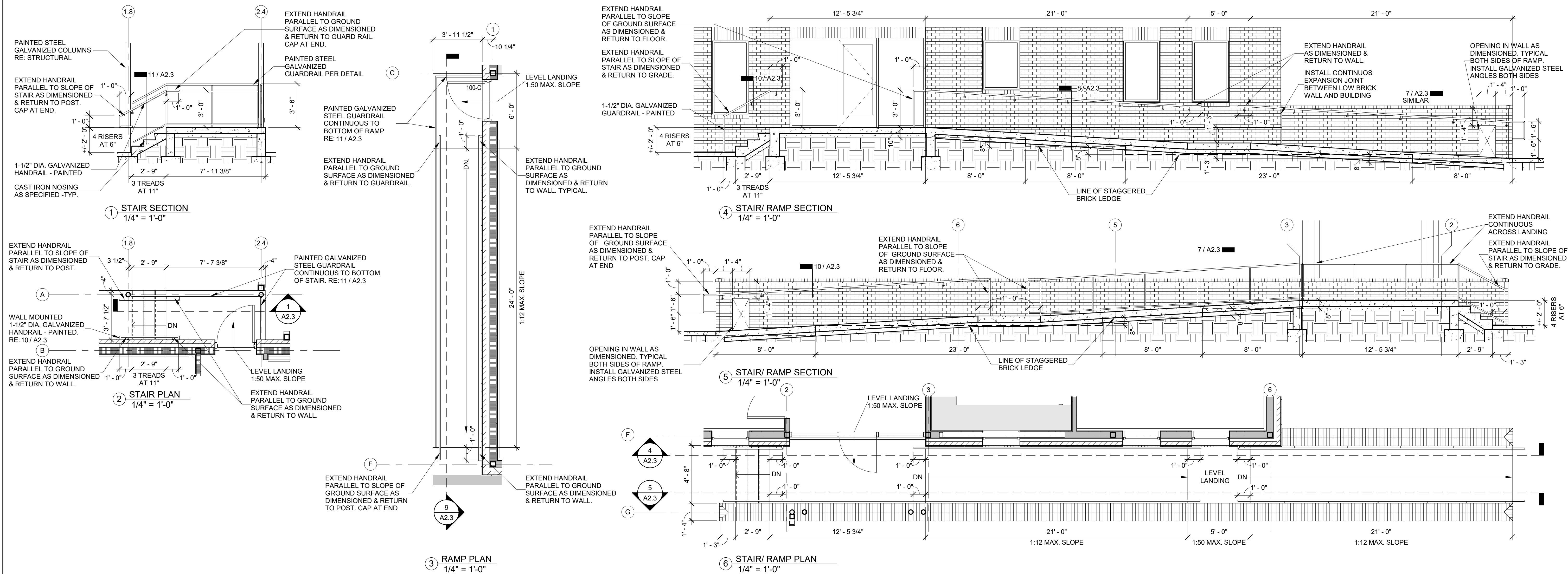
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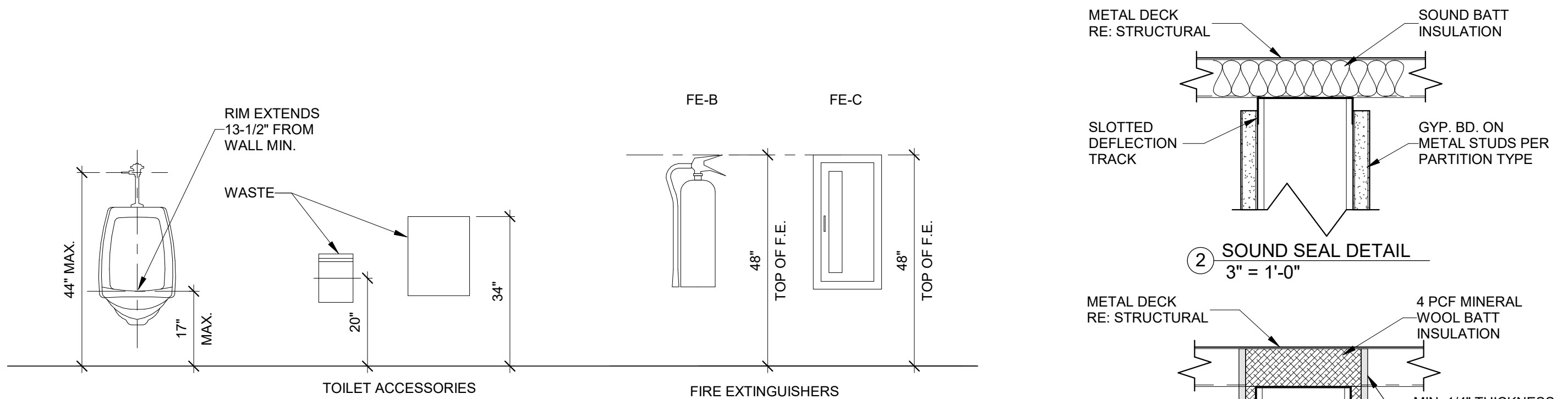
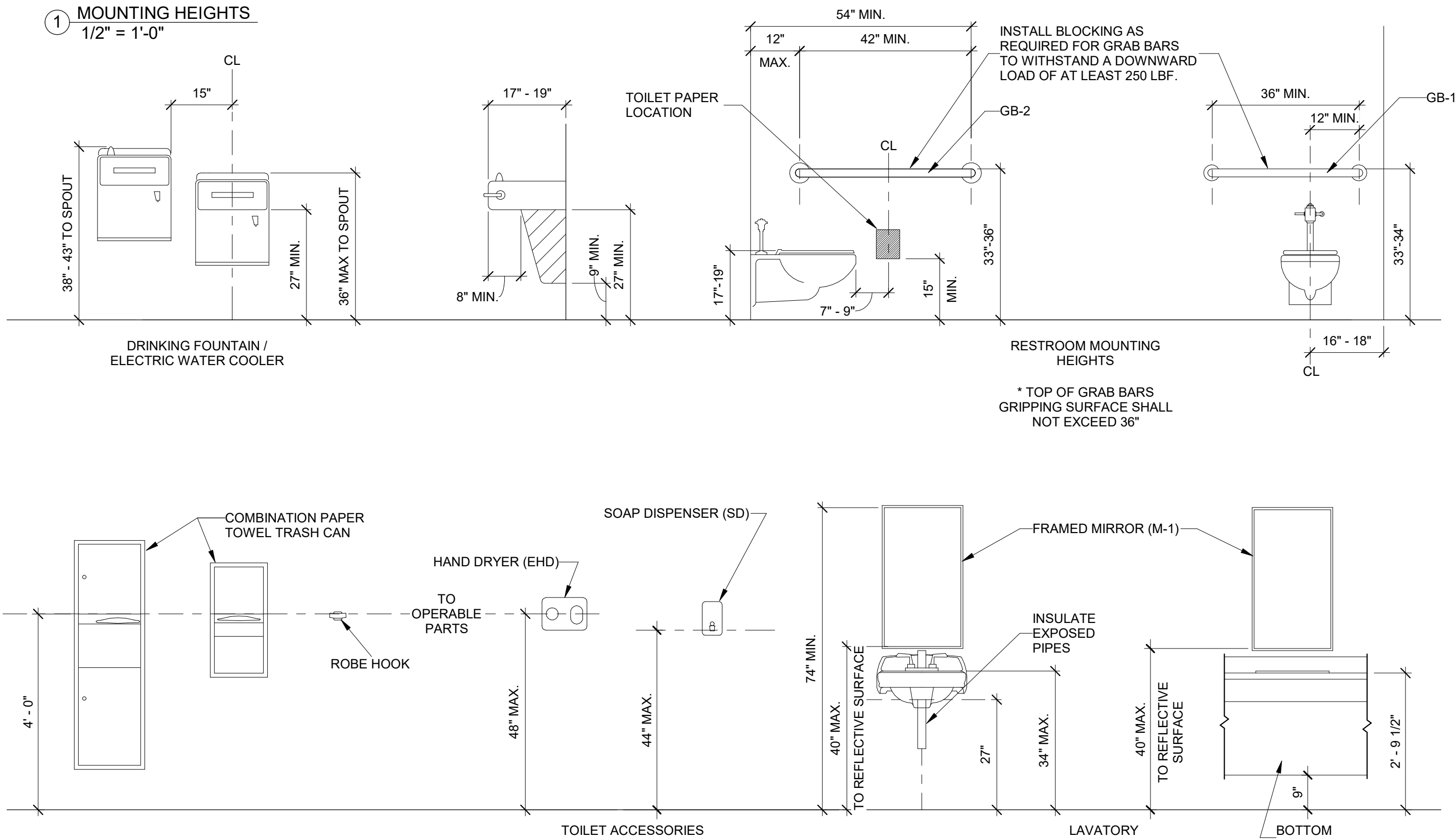
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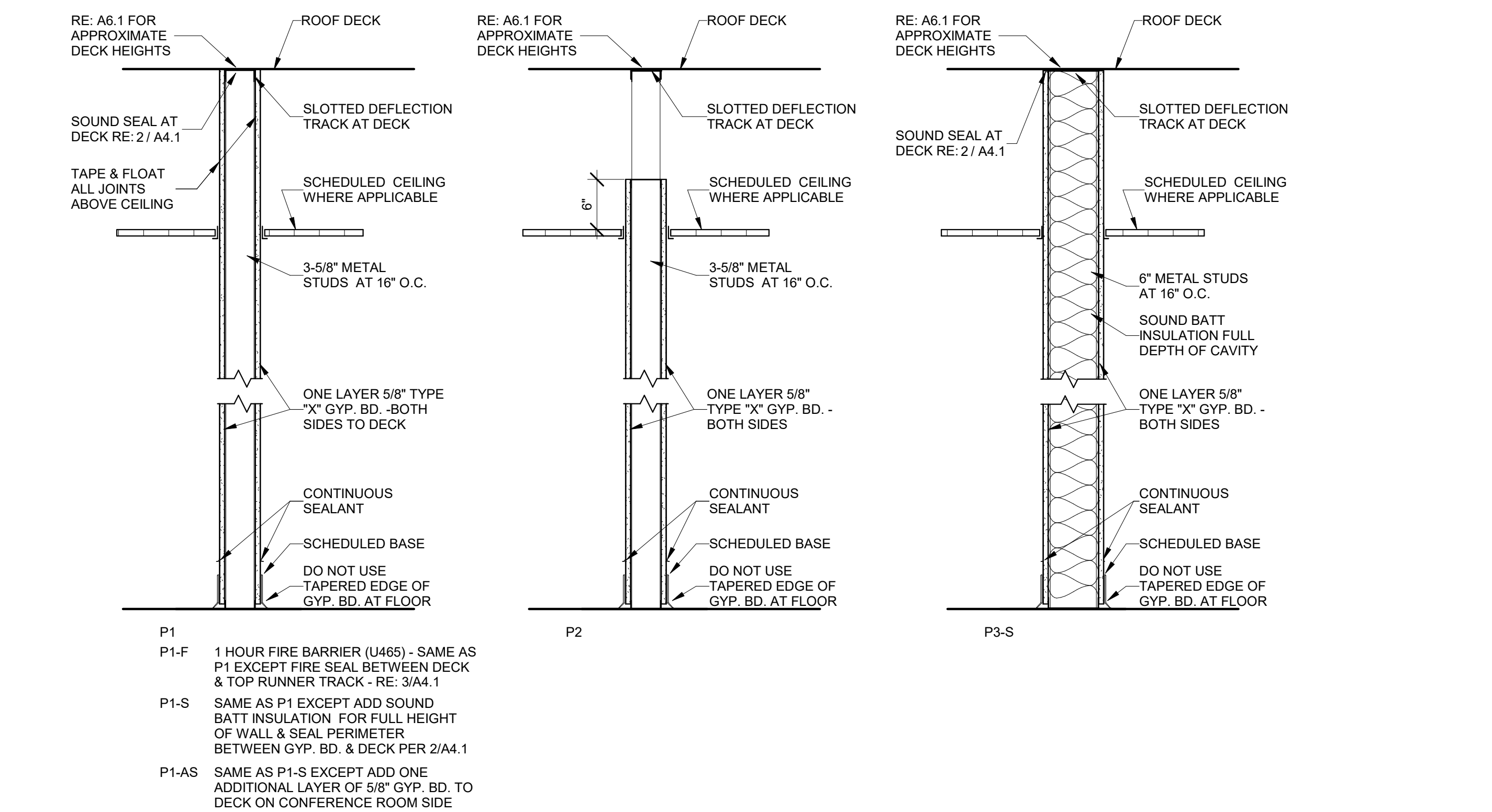




1 MOUNTING HEIGHTS  
1/2" = 1'-0"



PARTITION TYPES



FINISH MATERIAL LEGEND

FLOOR	BASE	WALL	CEILING
F1 - LUXURY VINYL TILE F2 - PORCELAIN TILE F3 - SEALED CONCRETE	B1 - 4" RUBBER B2 - 6" PORCELAIN TILE	W1 - PAINTED GYP. BOARD	C1 - 2X2' LAY IN - SUSPENDED ACOUSTICAL C2 - PAINTED GYP. BOARD

ROOM SCHEDULE

ROOM NUMBER	ROOM NAME	FLOOR	BASE	N	E	S	W	CEILING	NOTES
101	ENTRY	F1	B1	W1	W1	W1	W1	C1	
102	RECEPTION/ SECRETARY	F1	B1	W1	W1	W1	W1	C1	
103	WORK ROOM	F1	B1	W1	W1	W1	W1	C1	
104	HALL	F1	B1	W1	W1	W1	W1	C1	
105	PASTOR	F1	B1	W1	W1	W1	W1	C1	
105A	RESTROOM	F2	B2	W1	W1	W1	W1	C1	
106	CONFERENCE	F1	B1	W1	W1	W1	W1	C1	
107	RELIGIOUS DIRECTOR	F1	B1	W1	W1	W1	W1	C1	
108	COFFEE/ LOUNGE	F2	B2	W1	W1	W1	W1	C1	
108A	CLOSET	F1	B1	W1	W1	W1	W1	C1	
109	JANITOR	F3	B1	W1	W1	W1	W1	C1	
110	RESTROOM	F2	B2	W1	W1	W1	W1	C1	
111	RESTROOM	F2	B2	W1	W1	W1	W1	C1	
112	HALL	F1	B1	W1	W1	W1	W1	C1	
113	LARGE CONFERENCE	F1	B1	W1	W1	W1	W1	C1	
114	STORAGE	F1	B1	W1	W1	W1	W1	C1	

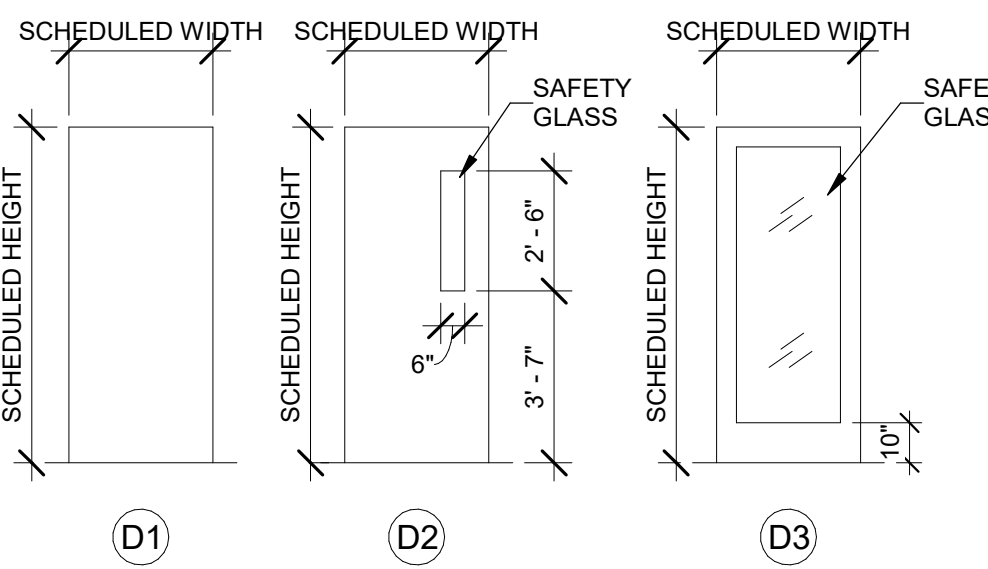
GENERAL FINISH NOTES

- ALL WOOD TRIM TO HAVE PAINTED FINISHES.
- ALL GYPSUM BOARD SHALL BE INSTALLED A MAXIMUM 1/2" ABOVE FINISHED FLOOR.
- ALL RUBBER BASE TO HAVE PRE-MOLDED INSIDE AND OUTSIDE CORNERS.
- SEAL BETWEEN ALL BACK SPLASHES & COUNTERS WITH MATCHING CAULK.
- INSTALL TRANSITION STRIP BETWEEN PORCELAIN TILE & LVT PER 7/A10.1.

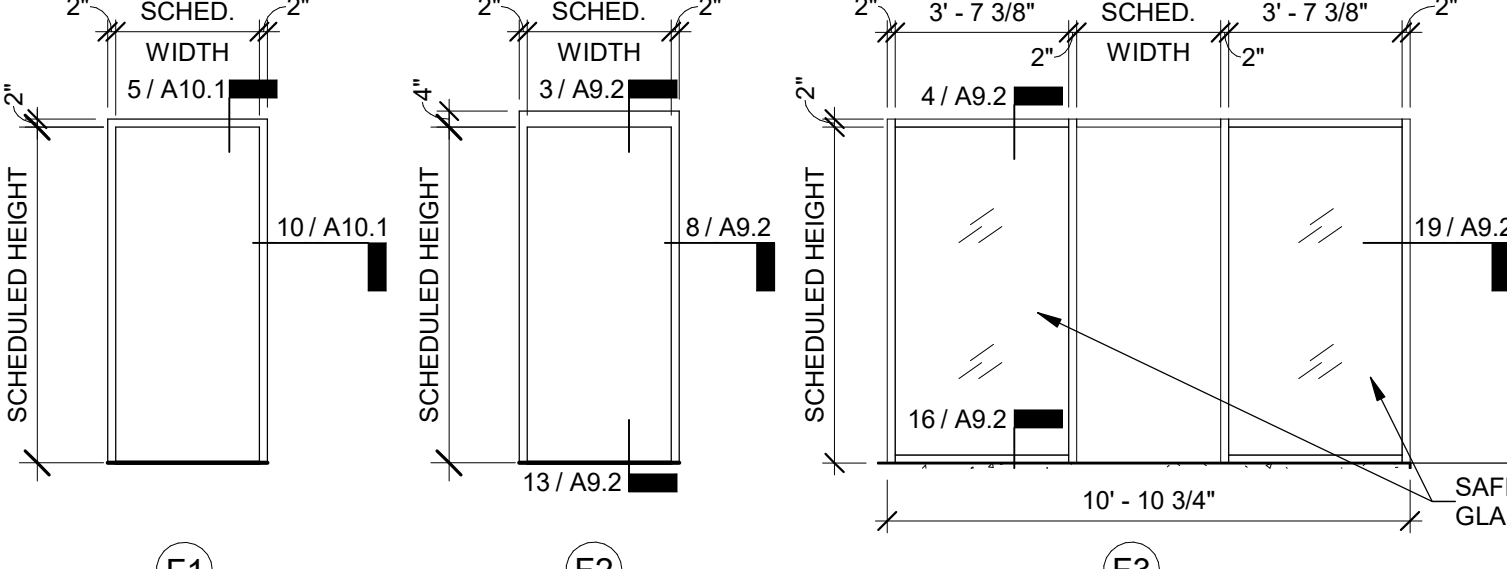
DOOR SCHEDULE

DOOR NUMBER	FIRE RATING	TYPE	WIDTH	HEIGHT	THICKNESS	MATERIAL	TYPE	MATERIAL	HARDWARE	SIGNAGE RE:A10.1	NOTES
100-A		D3	3'-0"	7'-0"	2"	ALUM/GLASS	F3	ALUMINUM	1	B	
100-B	45 MIN	D1	3'-0"	7'-0"	1 3/4"	GALV. H.M.	F2	GALV. H.M.	2	B	
100-C	45 MIN	D1	3'-0"	7'-0"	1 3/4"	GALV. H.M.	F2	GALV. H.M.	2	B	
102A		D1	3'-0"	7'-0"	1 3/4"	WOOD VENEER	F1	H.M.	6	C	
103-A		D1	3'-0"	7'-0"	1 3/4"	WOOD VENEER	F1	H.M.	6	C	
105-A		D2	3'-0"	7'-0"	1 3/4"	WOOD VENEER	F1	H.M.	6	C	
105A-A		D1	3'-0"	7'-0"	1 3/4"	WOOD VENEER	F1	H.M.	3	A	
106-A		D2	3'-0"	7'-0"	1 3/4"	WOOD VENEER	F1	H.M.	4	C	
106-B		D1	3'-0"	7'-0"	1 3/4"	WOOD VENEER	F1	H.M.	8	C	
107-A		D2	3'-0"	7'-0"	1 3/4"	WOOD VENEER	F1	H.M.	6	C	
108-A		D1	3'-0"	7'-0"	1 3/4"	WOOD VENEER	F1	H.M.	4	C	
108-B		D2	3'-0"	7'-0"	1 3/4"	WOOD VENEER	F1	H.M.	6	C	
108A-A		D1	3'-0"	7'-0"	1 3/4"	WOOD VENEER	F1	H.M.	4	C	
109-A		D1	3'-0"	7'-0"	1 3/4"	WOOD VENEER	F1	H.M.	7	C	
110-A		D1	3'-0"	7'-0"	1 3/4"	WOOD VENEER	F1	H.M.	3	A	
111-A		D1	3'-0"	7'-0"	1 3/4"	WOOD VENEER	F1	H.M.	3	A	
112-A		D2	3'-0"	7'-0"	1 3/4"	WOOD VENEER	F1	H.M.	4	C	
113-A		D2	3'-0"	7'-0"	1 3/4"	WOOD VENEER	F1	H.M.	6	C	
113-B		D2	3'-0"	7'-0"	1 3/4"	WOOD VENEER	F1	H.M.	4	C	
114-A	45 MIN.	D1	3'-0"	7'-0"	1 3/4"	WOOD VENEER	F1	H.M.	7	C	

DOOR TYPES



FRAME TYPES



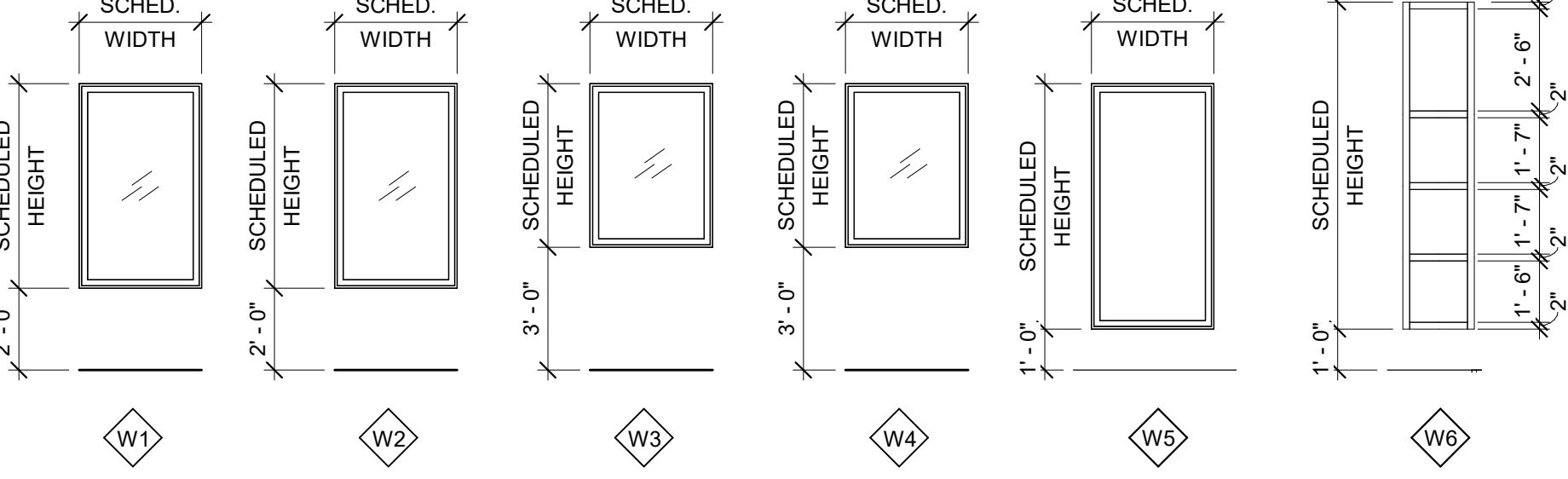
GENERAL DOOR NOTES

- ALL HARDWARE TO MEET THE AMERICANS WITH DISABILITIES ACCESSIBILITY GUIDELINES
- REFER TO 20/A10.1 FOR ROUGH OPENING FRAMING IN INTERIOR METAL STUD WALLS.
- INSTALL ALL INTERIOR HOLLOW METAL DOORS IN DRYWALL & METAL STUD WALLS PER APPLICABLE DETAILS 5 & 10/A10.1.
- PROVIDE & INSTALL DOOR SIGNS PER DOOR SCHEDULE AND AS DETAILED ON A10.1. REFER TO 2 & 3/A10.1 FOR REQUIRED SIGN POSITIONING IN RELATION TO DOORS.

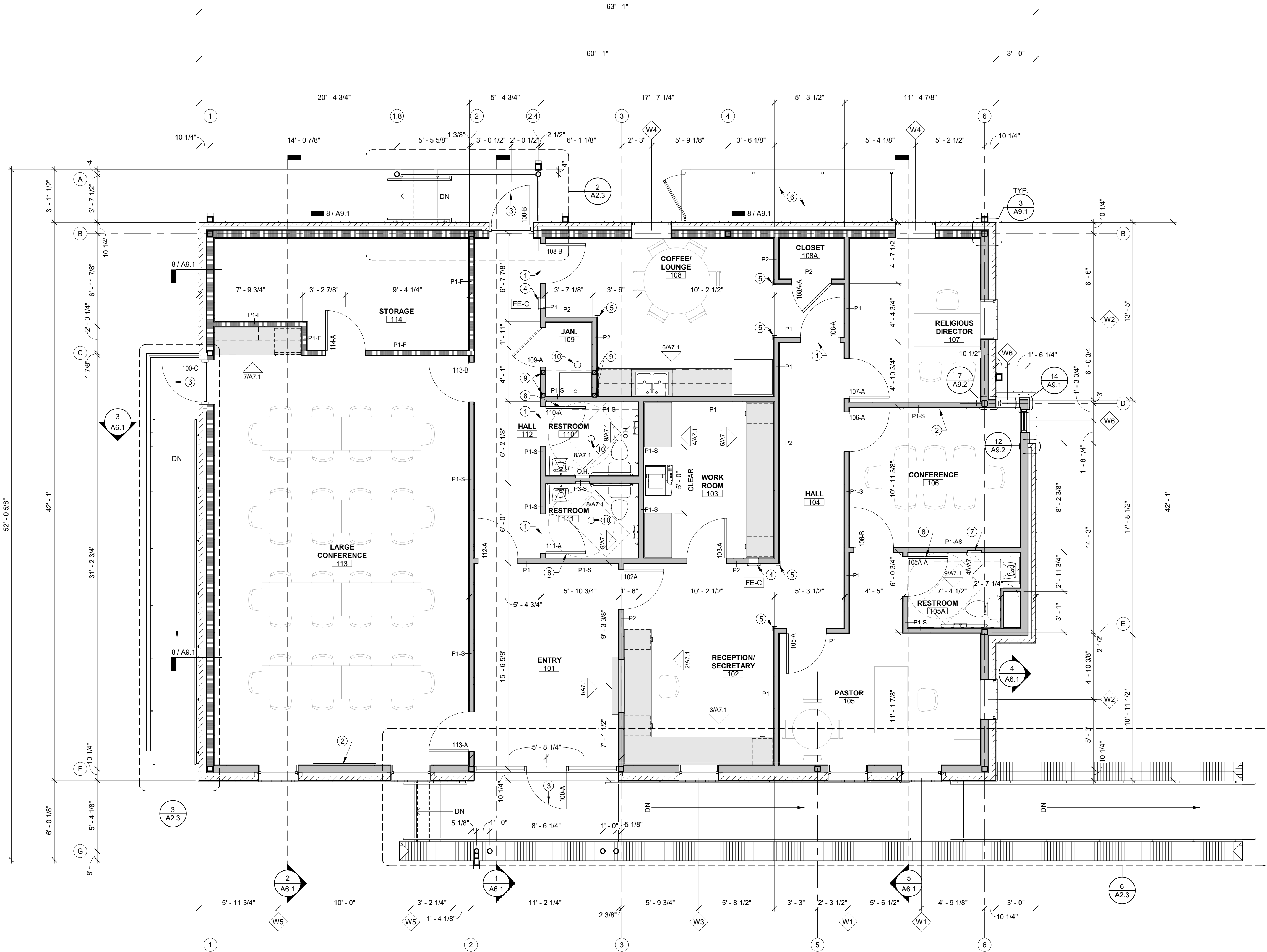
WINDOW SCHEDULE

MARK	WIDTH	HEIGHT	FRAME	HEAD	JAMB	SILL	NOTES
W1	3'-0"	5'-0"	ALUMINUM	4/A9.2	9/A9.2	14/A9.2	
W2	3'-0"	5'-0"	ALUMINUM	5/A9.2	10/A9.2	15/A9.2	
W3	3'-0"	4'-0"	ALUMINUM	4/A9.2	9/A9.2	14/A9.2	
W4	3'-0"	4'-0"	ALUMINUM	5/A9.2	10/A9.2	15/A9.2	
W5	3'-0"	6'-0"	ALUMINUM	4/A9.2	9/A9.2	14/A9.2	
W6	1'-9"	9'-0"	ALUMINUM	4/A9.2	17/A9.2	18/A9.2	

WINDOW TYPES







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



### GENERAL NOTES

- CONTRACTOR TO LAY OUT ALL WALLS FOR REVIEW BY ARCHITECT PRIOR TO CONSTRUCTION.
- ALL DIMENSIONS ARE TO ROUGH FRAMING UNLESS INDICATED OTHERWISE.

### WALL LEGEND

- NON-RATED PARTITION. REFER TO PARTITION TYPES (—PX) INDICATED FOR SPECIFIC CONSTRUCTION.
- ONE HOUR RATED FIRE BARRIER (UL U465) REFER TO PARTITION TYPES (—PX) INDICATED FOR SPECIFIC CONSTRUCTION.

### CODE ANALYSIS & ADAAG COMPLIANCE

PROJECT TITLE: ST PAUL THE APOSTLE CATHOLIC CHURCH  
NEW CHURCH OFFICE BUILDING

DATE: SEPTEMBER 2023

PROJECT NUMBER: 20019008.00

#### APPLICABLE CODES:

- FIRE CODE:
  - A. NFPA: 101 - 2015
  - NFPA 10 - FIRE EXTINGUISHERS
  - NFPA 70 - NATIONAL ELECTRIC CODE
  - NFPA 72 - FIRE ALARM SYSTEMS
  - NFPA 80 - FIRE DOORS AND WINDOWS
- BUILDING CODE
  - A. IBC - 2021
- MECHANICAL
  - A. 2021 INTERNATIONAL MECHANICAL CODE
- ELECTRICAL
  - A. 2020 NATIONAL ELECTRIC CODE
- PLUMBING
  - A. 2021 INTERNATIONAL PLUMBING CODE
- HANDICAP
  - A. ADAAG 2010

#### BUILDING INFORMATION:

SQUARE FOOTAGE: TOTAL BUILDING = 2,575 SF

STORIES: ONE

DESCRIPTION: STRUCTURE IS STRUCTURAL STEEL PRIMARY FRAMING WITH COLD FORMED METAL FRAMING ON EXTERIOR WALLS. EXTERIOR MATERIALS ARE A MIX OF BRICK & METAL PANELS. THE INTERIOR WALLS ARE GYPSUM BOARD OVER STEEL STUDS.

#### CONSTRUCTION:

TYPE IIB

#### OCCUPANCY TYPE:

OFFICE:  
NFPA:  
IBC: BUSINESS (CHAPTER 38)  
BUSINESS GROUP B

#### OCCUPANT LOAD:

NFPA:  
IBC: 105 OCCUPANTS  
69 OCCUPANTS

#### FIRE PROTECTION:

NFPA:  
IBC: UNSPRINKLERED  
UNSPRINKLERED

#### TRAVEL DISTANCE:

NFPA:  
IBC: 200'  
200'

#### COMMON PATH OF TRAVEL:

NFPA:  
IBC: 75'  
75'

#### DEAD END CORRIDOR:

NFPA:  
IBC: 20'  
20'

#### NUMBER OF EXITS REQUIRED:

NFPA:  
IBC: 2 REQUIRED  
2 REQUIRED

### KEYNOTES

- INSTALL TRANSITION STRIP BETWEEN PORCELAIN TILE & LVT PER 7/A10.1.
- WALL MOUNTED TELEVISION BY OWNER. INSTALL WOOD BLOCKING IN WALL AS REQUIRED. VERIFY EXACT HEIGHT AND LOCATION ON JOB.
- LEVEL LANDING 1:50 SLOPE
- INSTALL FIRE EXTINGUISHER & CABINET(FE-C) AS SPECIFIED. REFER TO 1/A4.1 FOR MOUNTING HEIGHTS.
- INSTALL CORNER GUARD AS SPECIFIED WHERE INDICATED.
- RAISED CONCRETE MECHANICAL PAD. RE: A2.2. VERIFY EXACT DIMENSIONS W/ AC LAYOUT
- INSTALL COMBINATION PAPER TOWEL DISPENSER & WASTER RECEPTACLE THIS WALL- REFER TO 1/A4.1 FOR MOUNTING HEIGHTS.
- INSTALL ROBE HOOKS AS SPECIFIED . VERIFY EXACT LOCATION W/ ARCHITECT.
- INSTALL 4X4 POST IN CAVITY OF SCHEDULED PARTITION FOR SUPPORT OF WATER HEATER PLATFORM ABOVE. INSTALL PER DETAIL 12/A10.1.
- FLOOR DRAIN - REFER TO PLUMBING DRAWINGS.

ARCHITECTURE INTERIOR DESIGN  
**MBSB**  
GROUP

101 LA RUE FRANCE, SUITE 205  
LAFAYETTE, LOUISIANA 70508  
(337)237-2770 FAX (337)237-2772

SAINT PAUL THE APOSTLE CATHOLIC CHURCH  
NEW CHURCH OFFICE BUILDING

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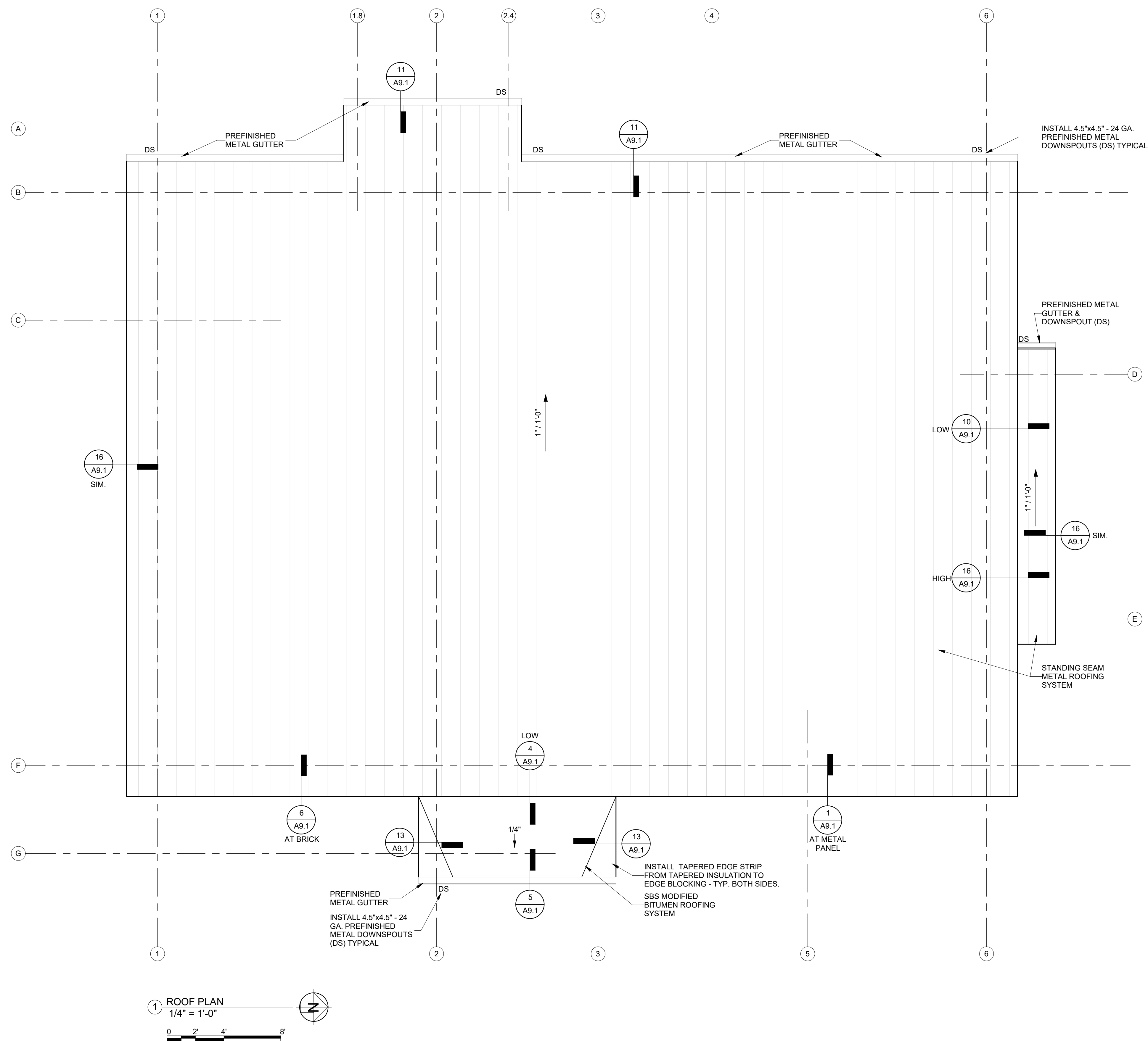
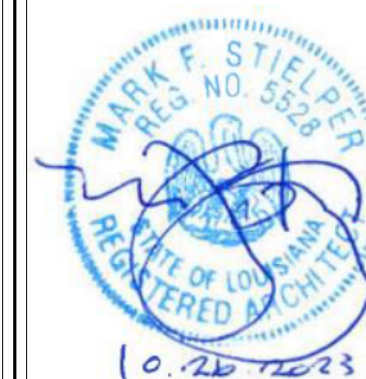


A3.1



CONSTRUCTION  
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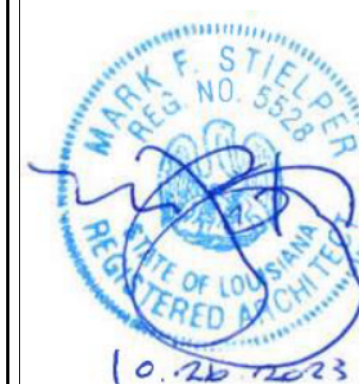


SAINT PAUL THE APOSTLE CATHOLIC CHURCH  
NEW CHURCH OFFICE BUILDING

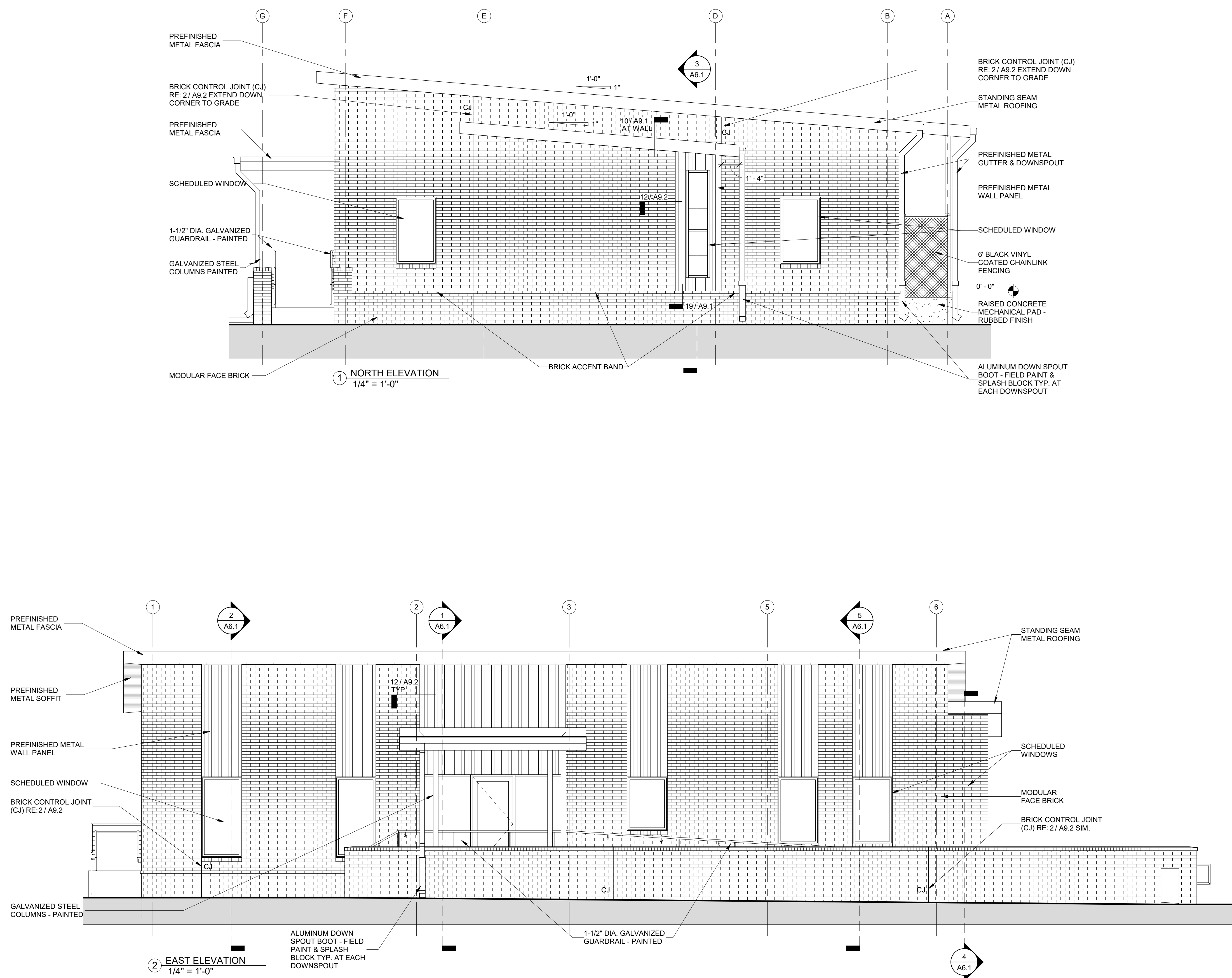
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NEW ORLEANS, LA 70126

CONSTRUCTION  
DOCUMENTS

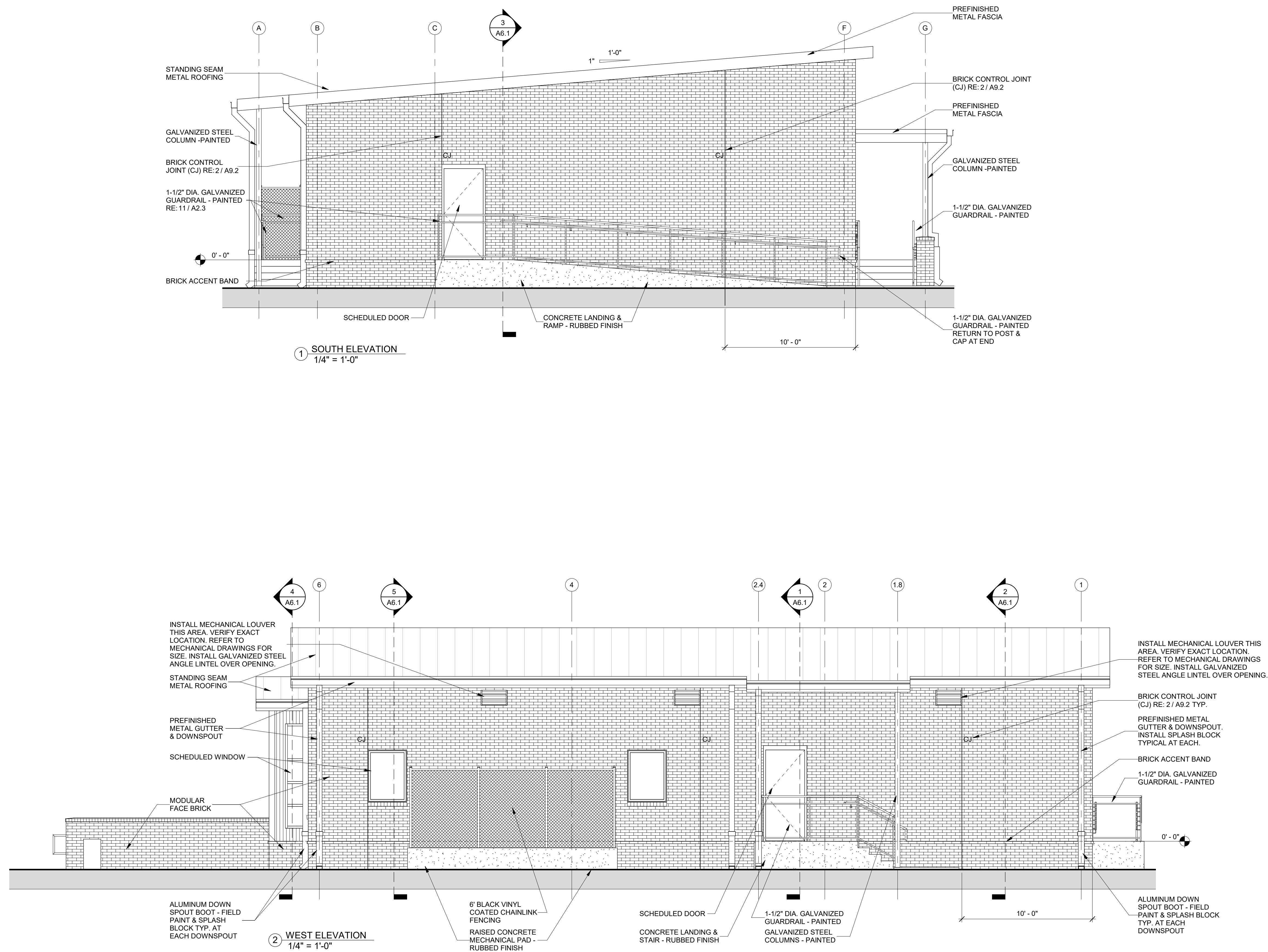
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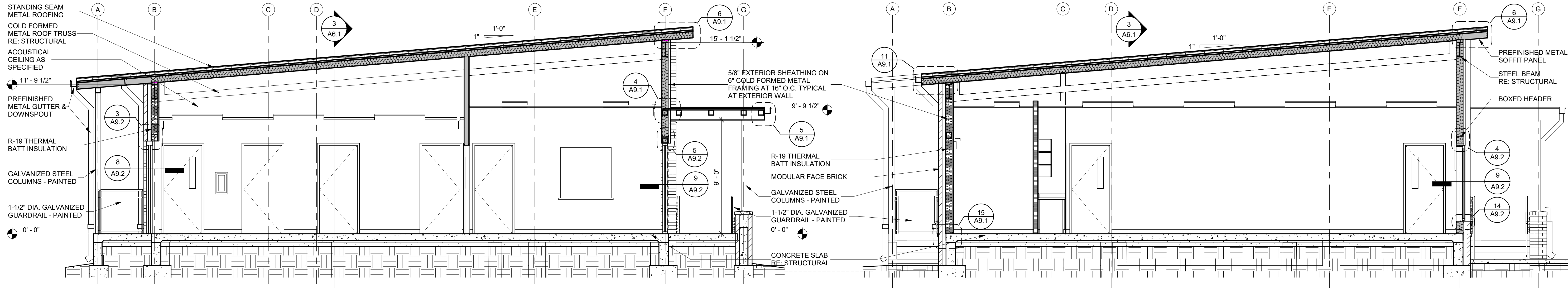
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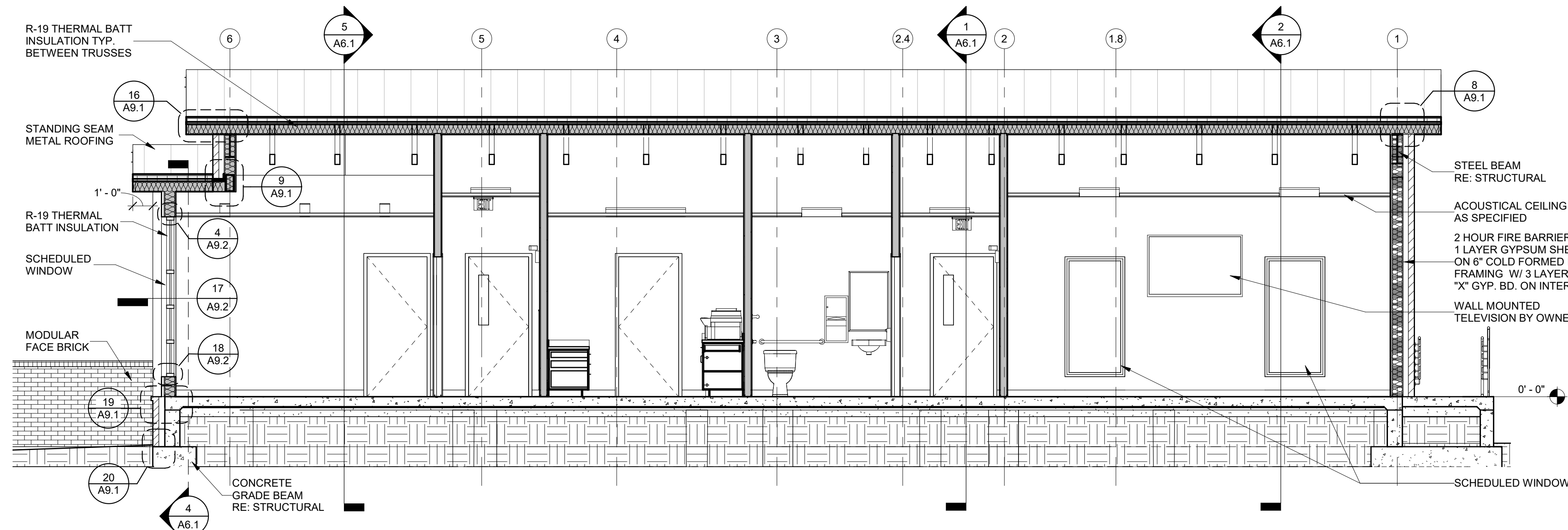




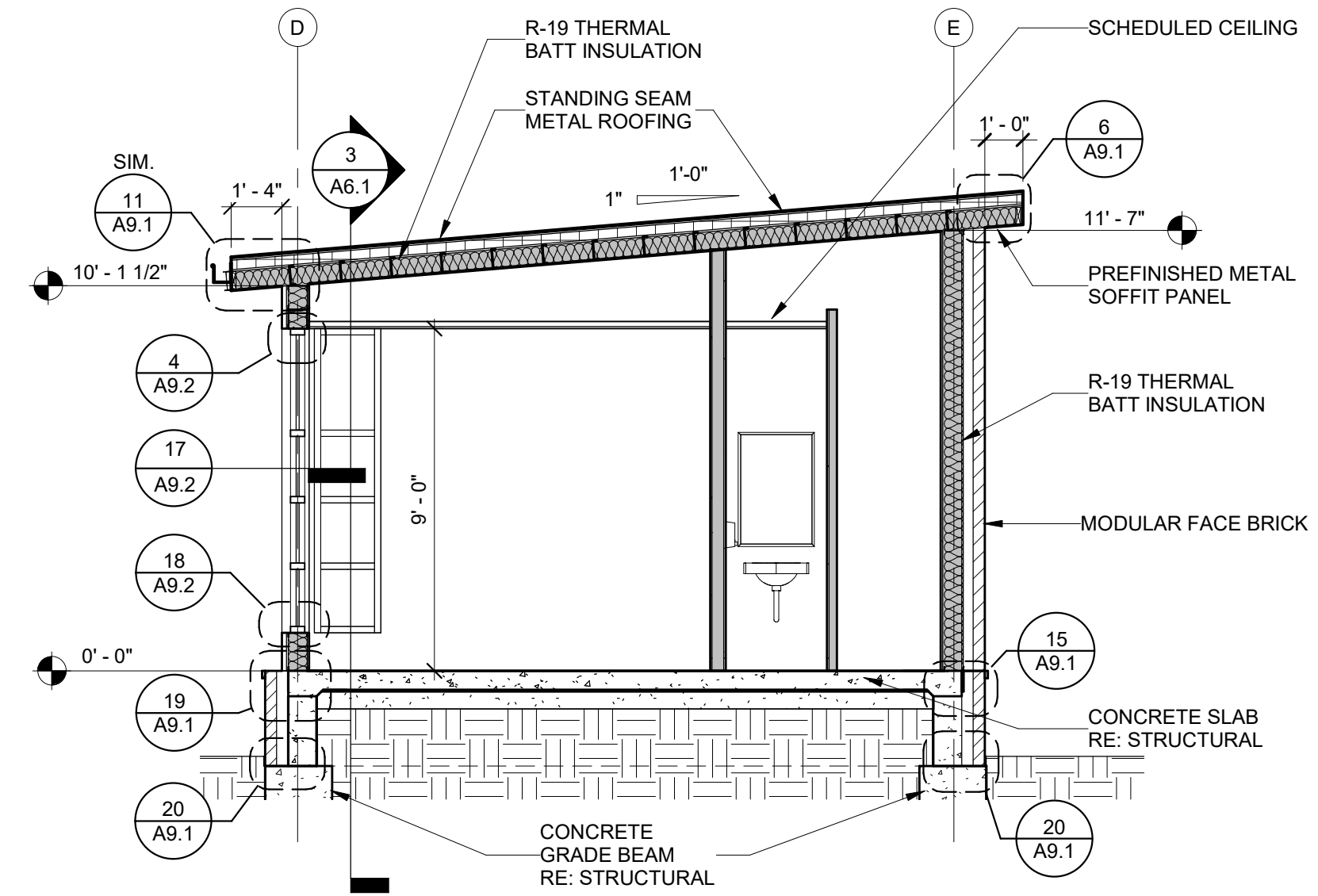


1 BUILDING SECTION  
1/4" = 1'-0"

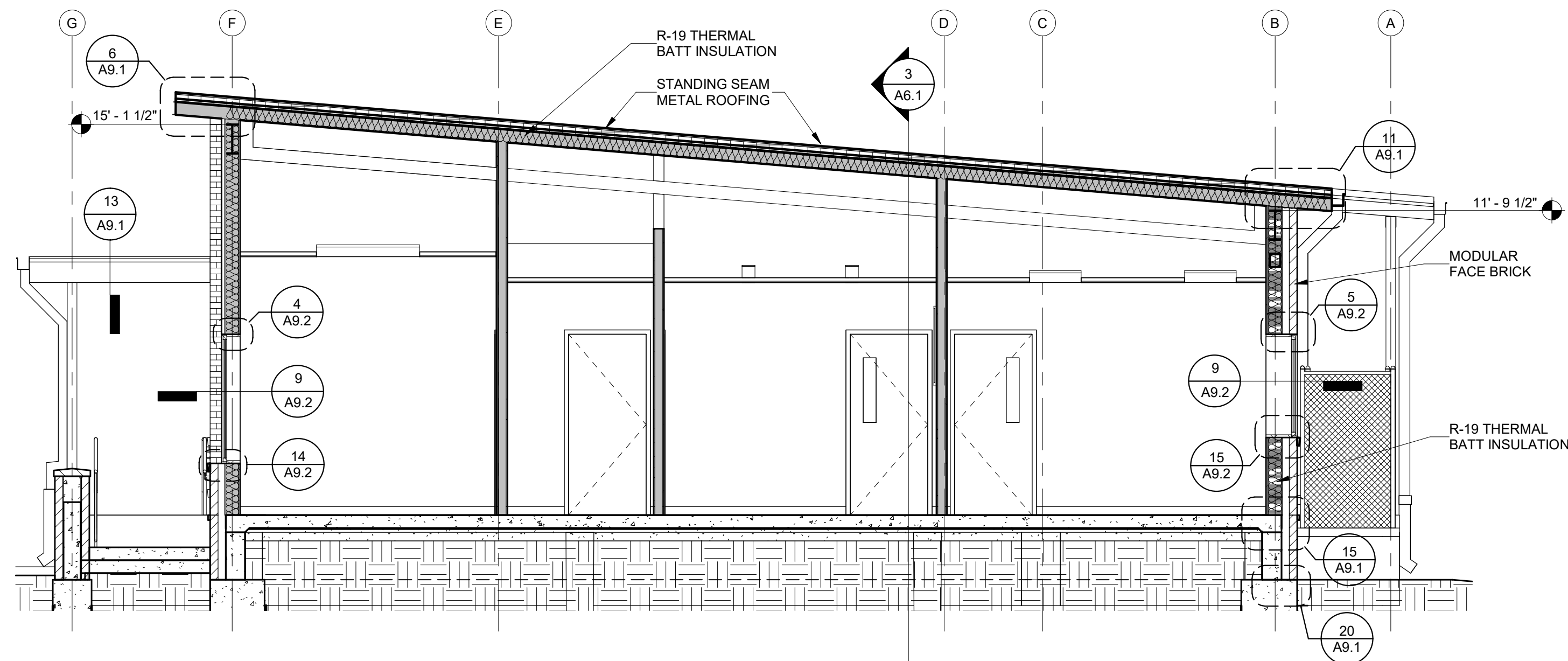
2 BUILDING SECTION  
1/4" = 1'-0"



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

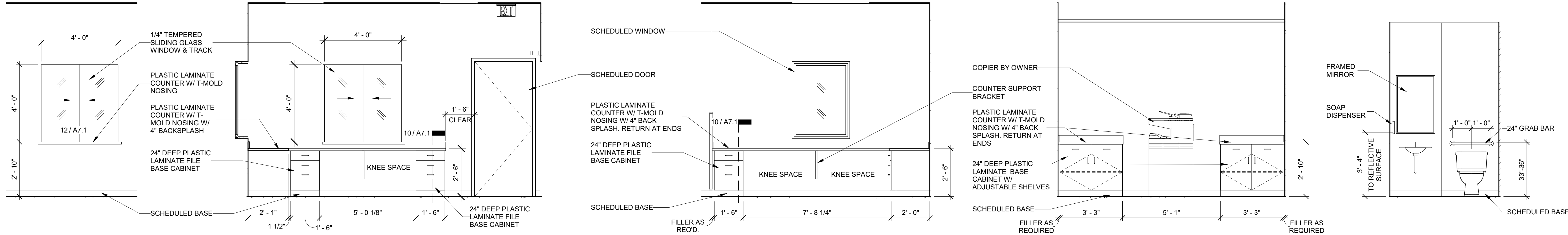


4 BUILDING SECTION  
1/4" = 1'-0"



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





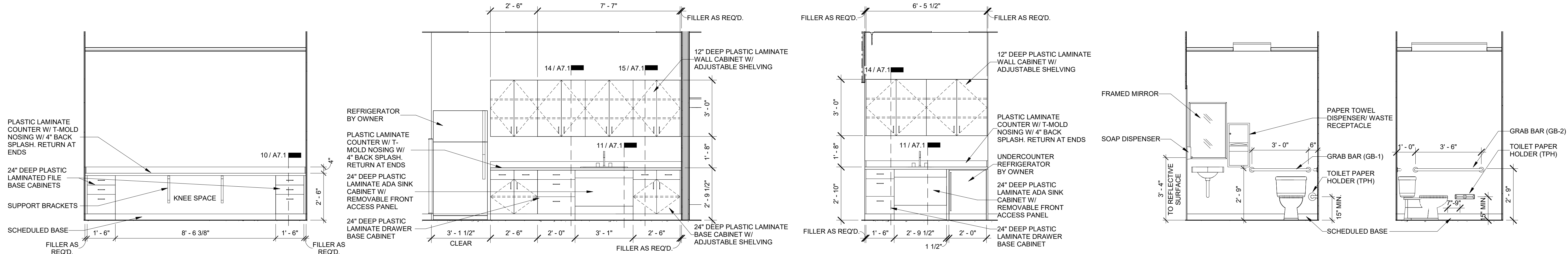
1 ENTRY 101  
3/8" = 1'-0"

2 RECEPTION 102  
3/8" = 1'-0"

3 RECEPTION 102  
3/8" = 1'-0"

4 WORK ROOM 103  
3/8" = 1'-0"

4A RESTROOM 105A  
3/8" = 1'-0"



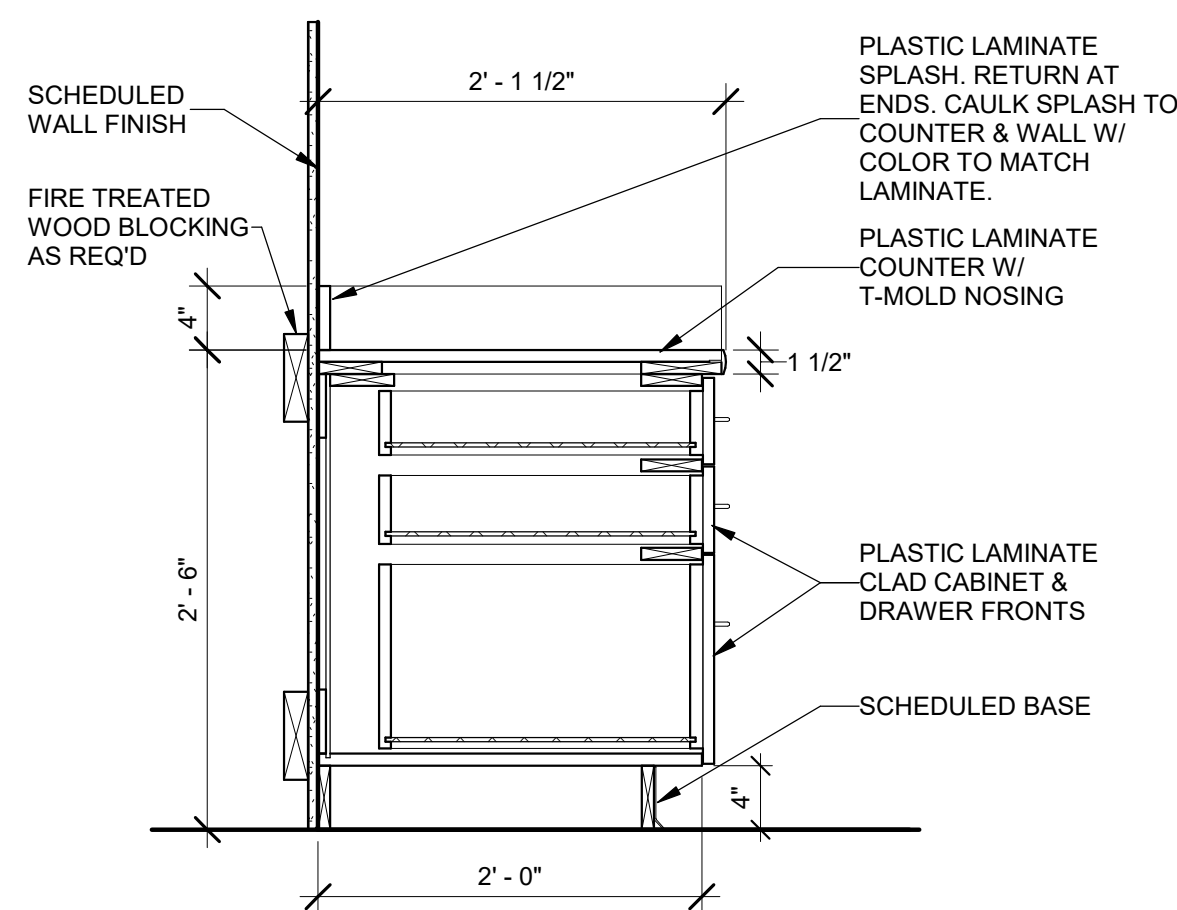
5 WORK ROOM 103  
3/8" = 1'-0"

6 KITCHEN 108  
3/8" = 1'-0"

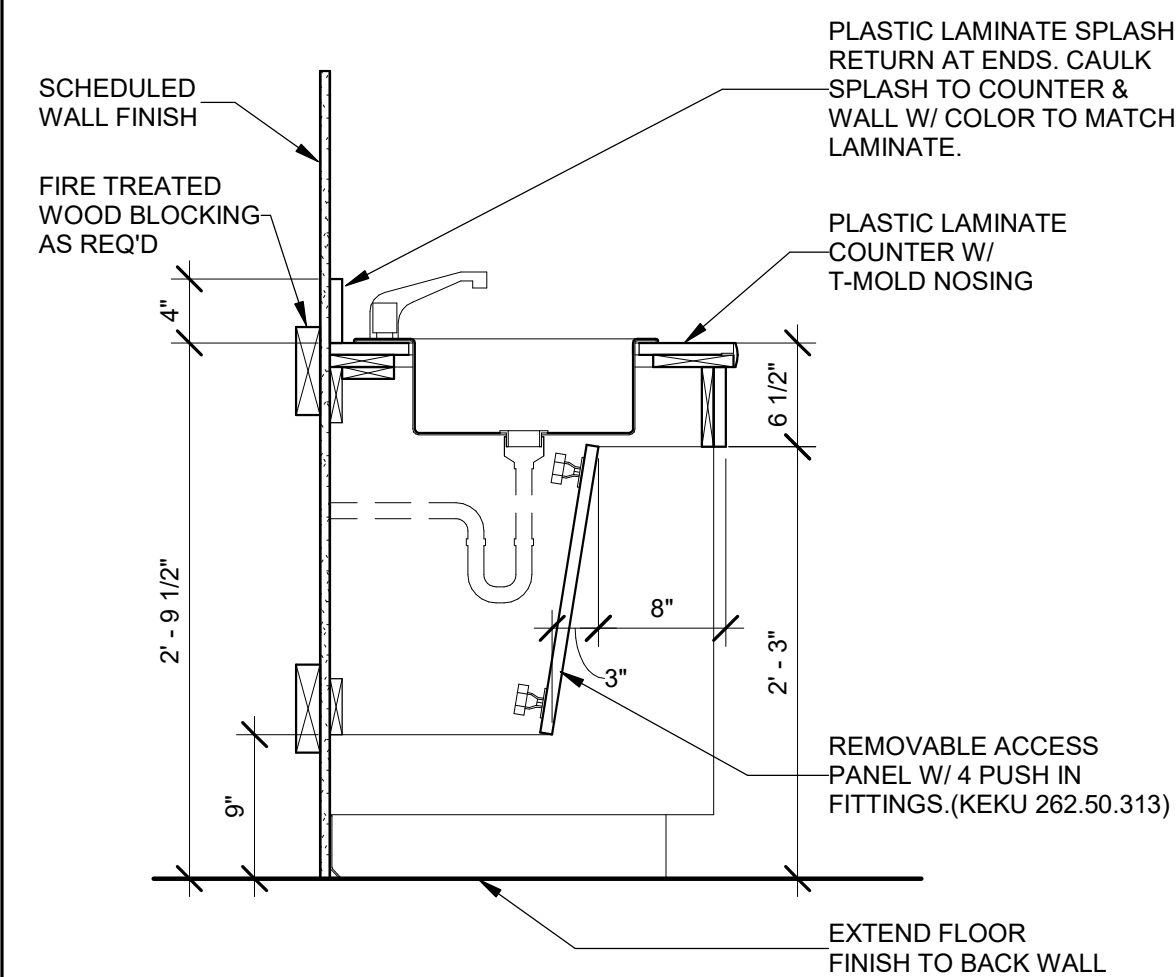
7 LARGE CONFERENCE 113  
3/8" = 1'-0"

8 TYPICAL RESTROOM  
3/8" = 1'-0"

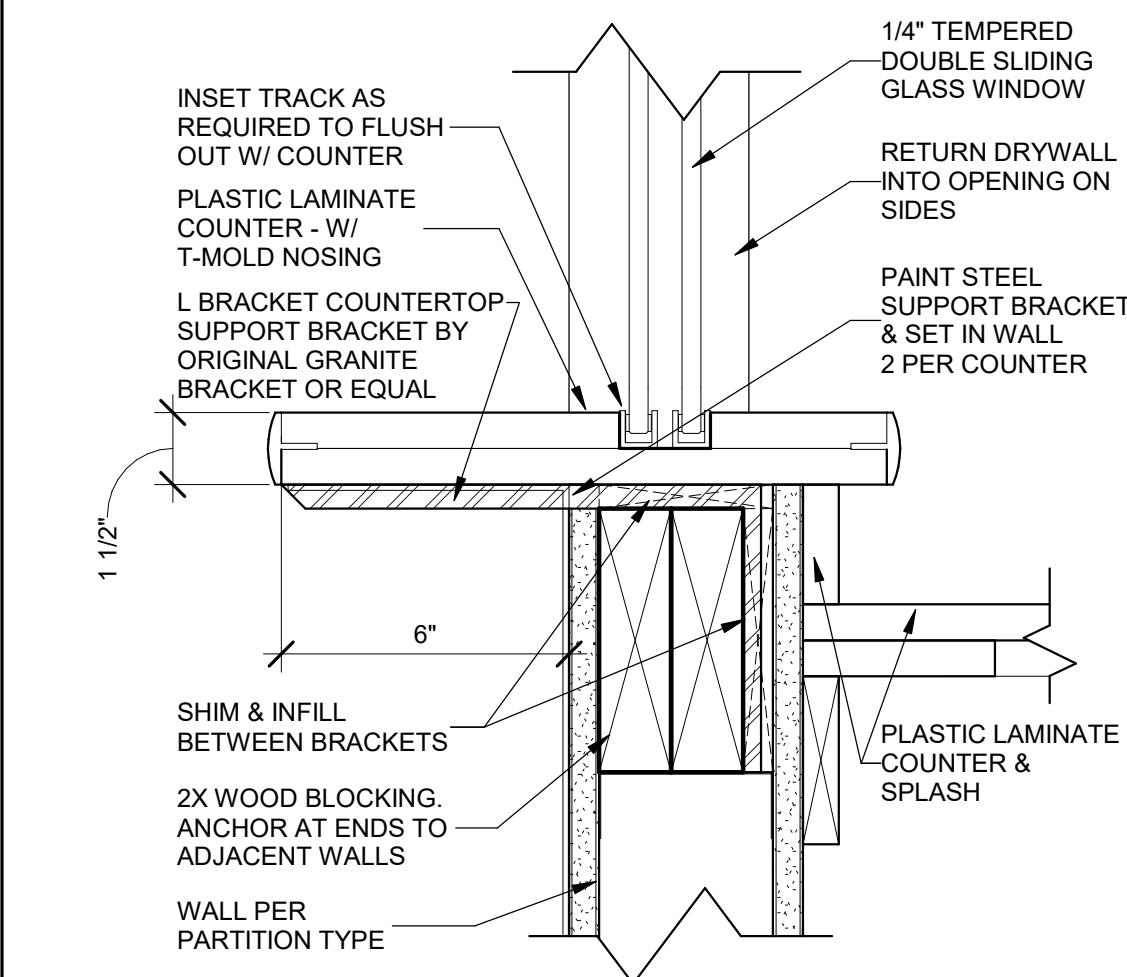
9 TYPICAL RESTROOM SIDE  
3/8" = 1'-0"



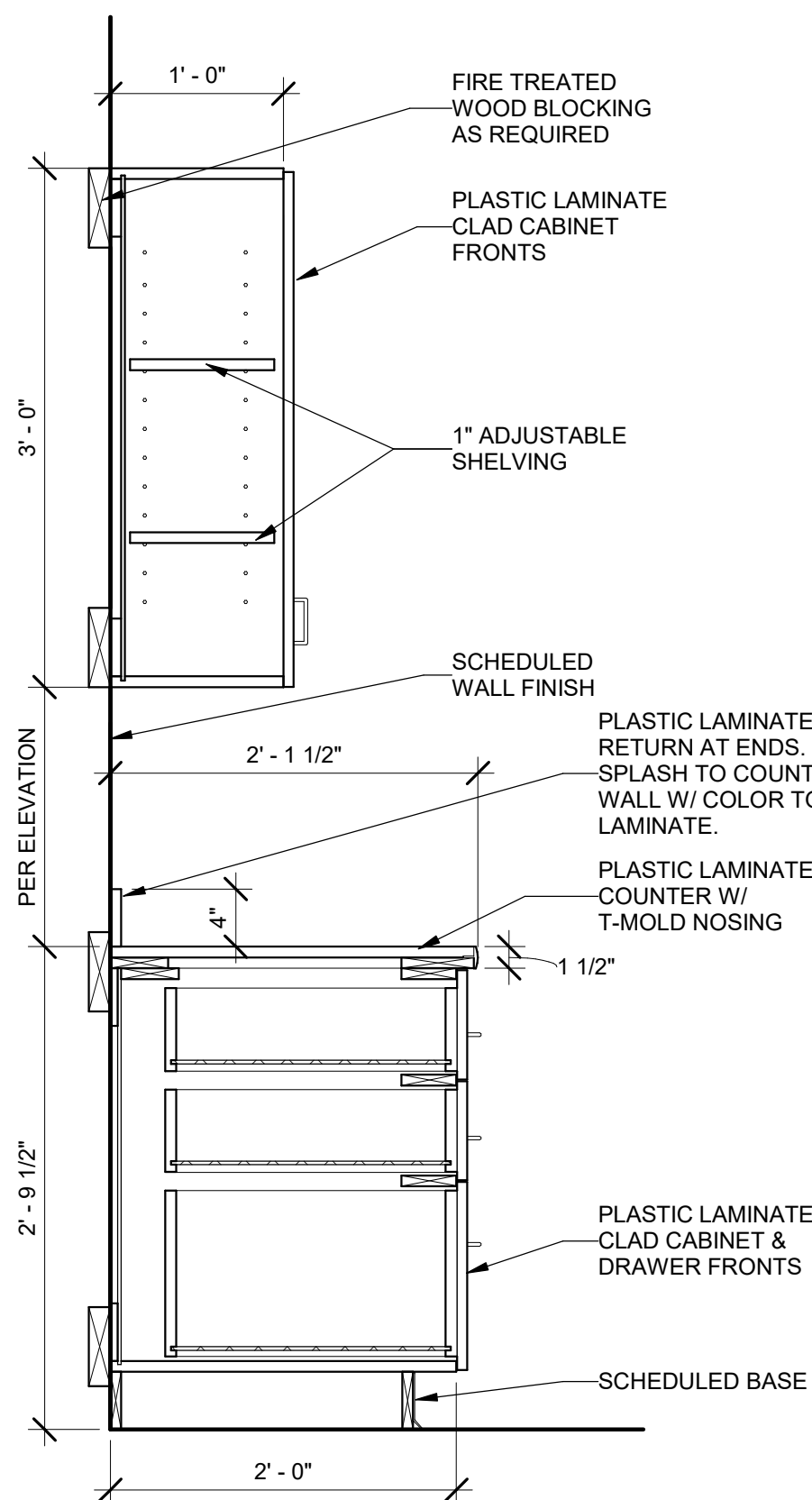
10 MILLWORK DETAIL  
1" = 1'-0"



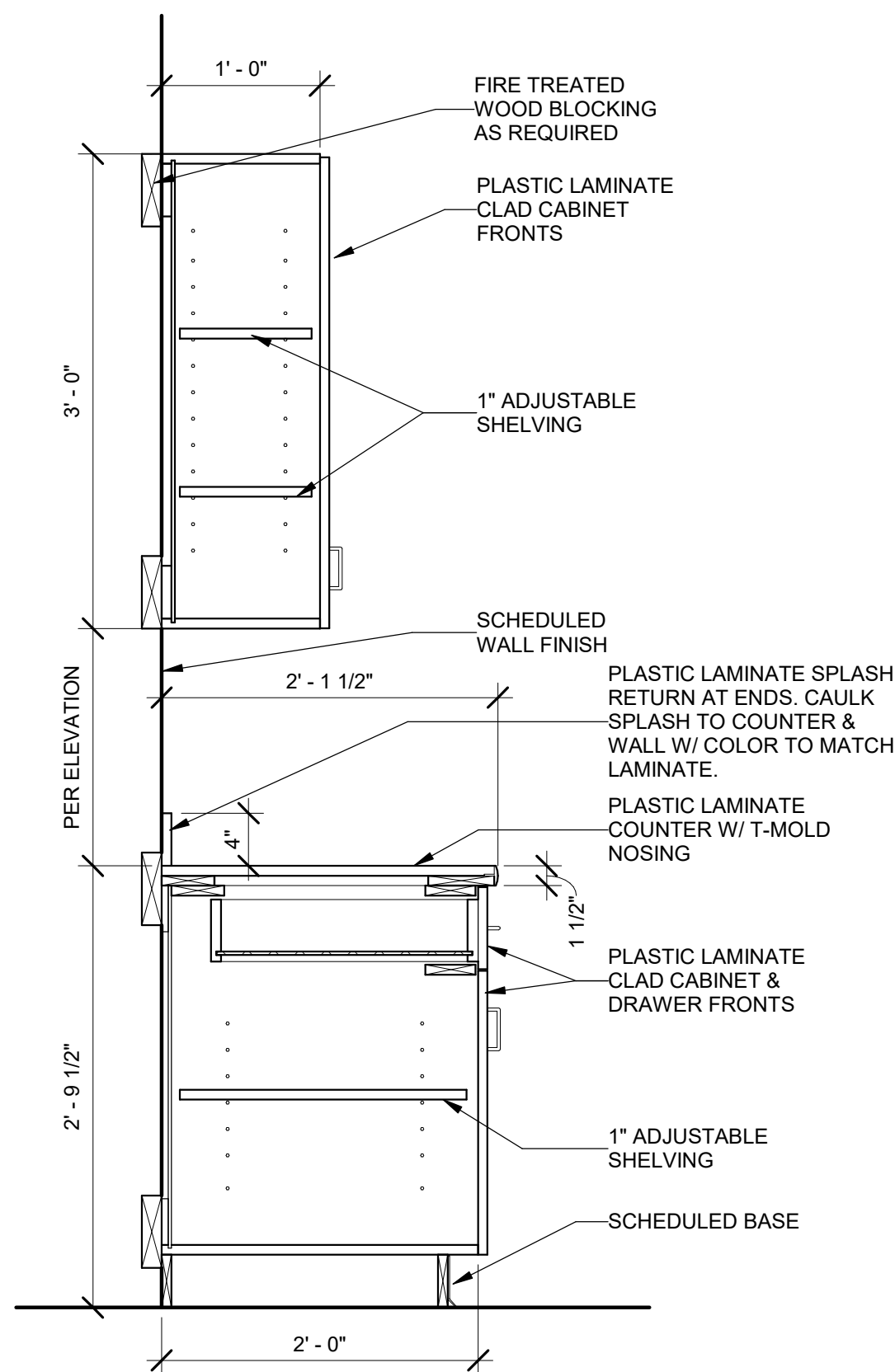
11 MILLWORK DETAIL  
1" = 1'-0"



12 MILLWORK DETAIL  
3" = 1'-0"



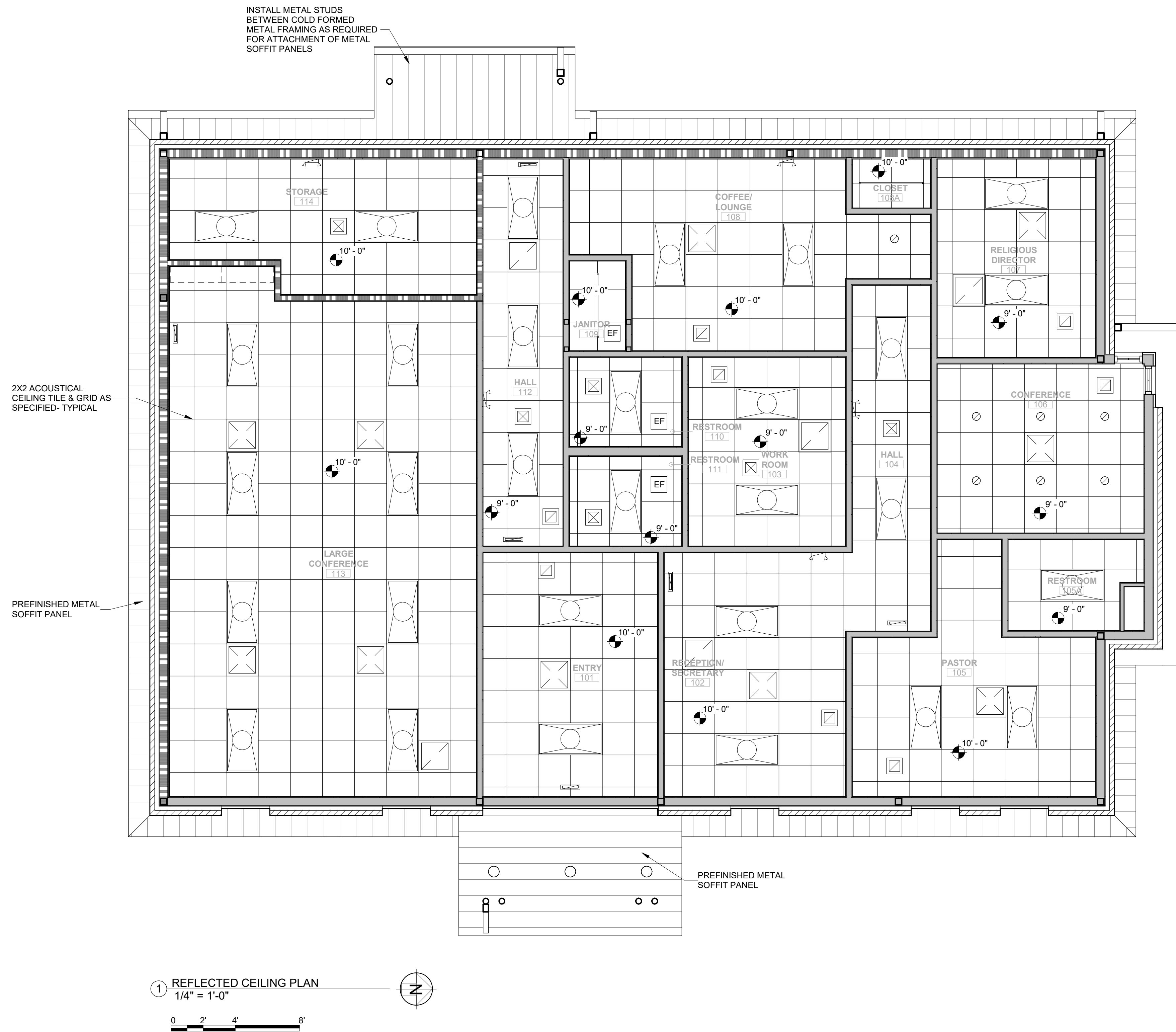
14 MILLWORK DETAIL  
1" = 1'-0"



15 MILLWORK DETAIL  
1" = 1'-0"



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NEW CHURCH OFFICE BUILDING

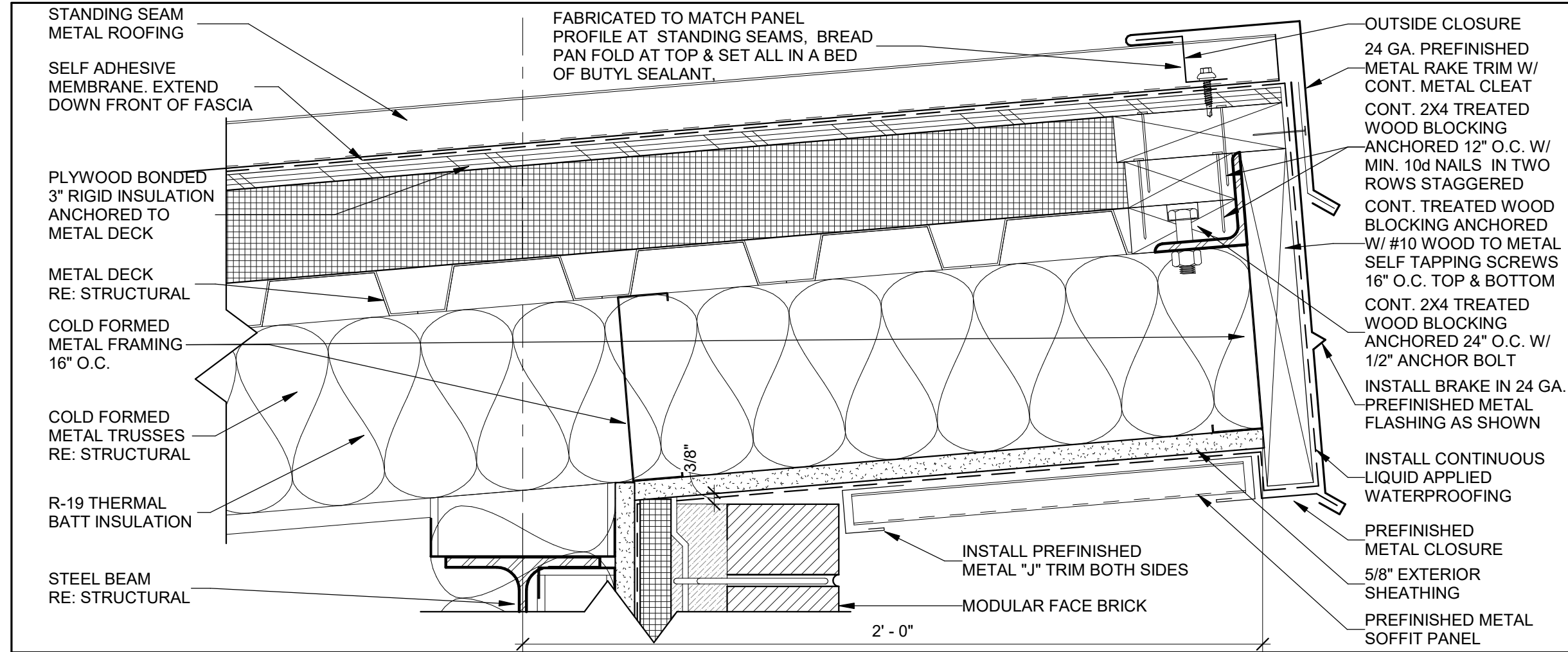
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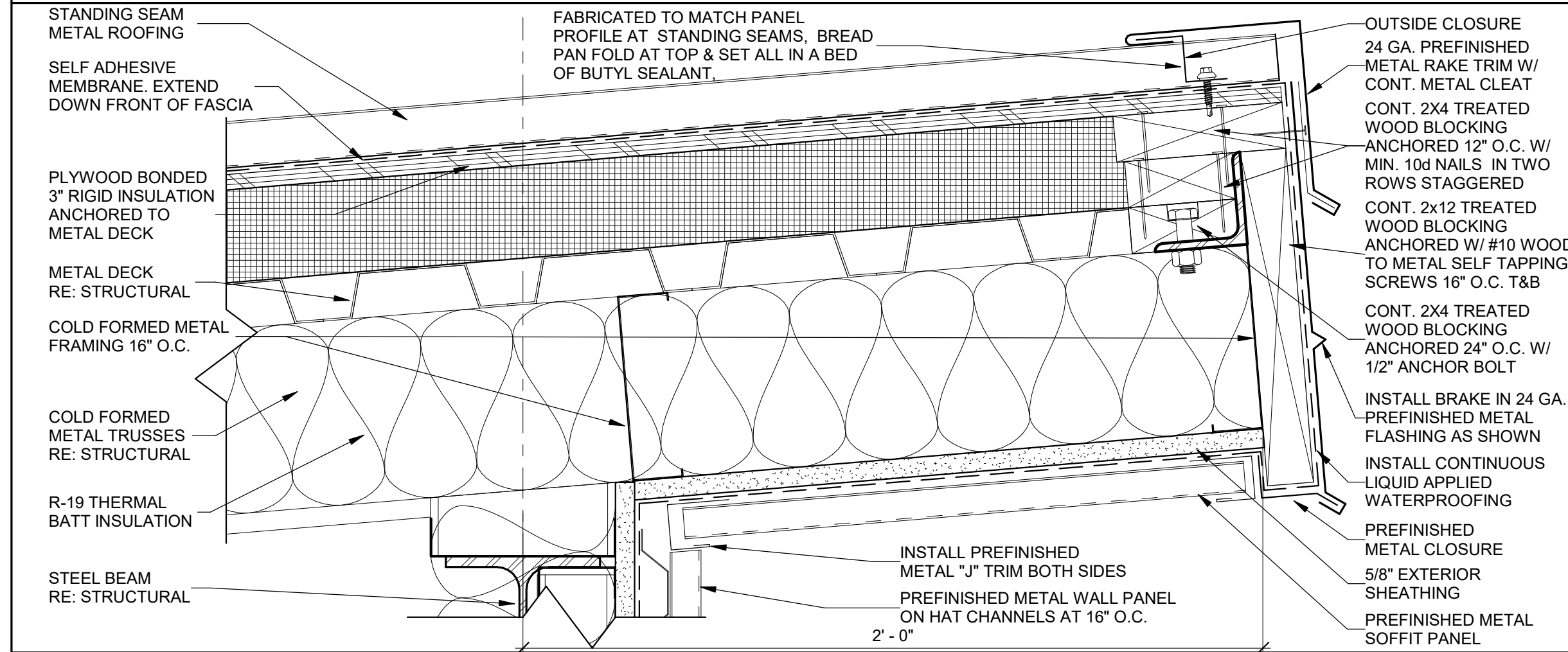
project no. 2019008.00  
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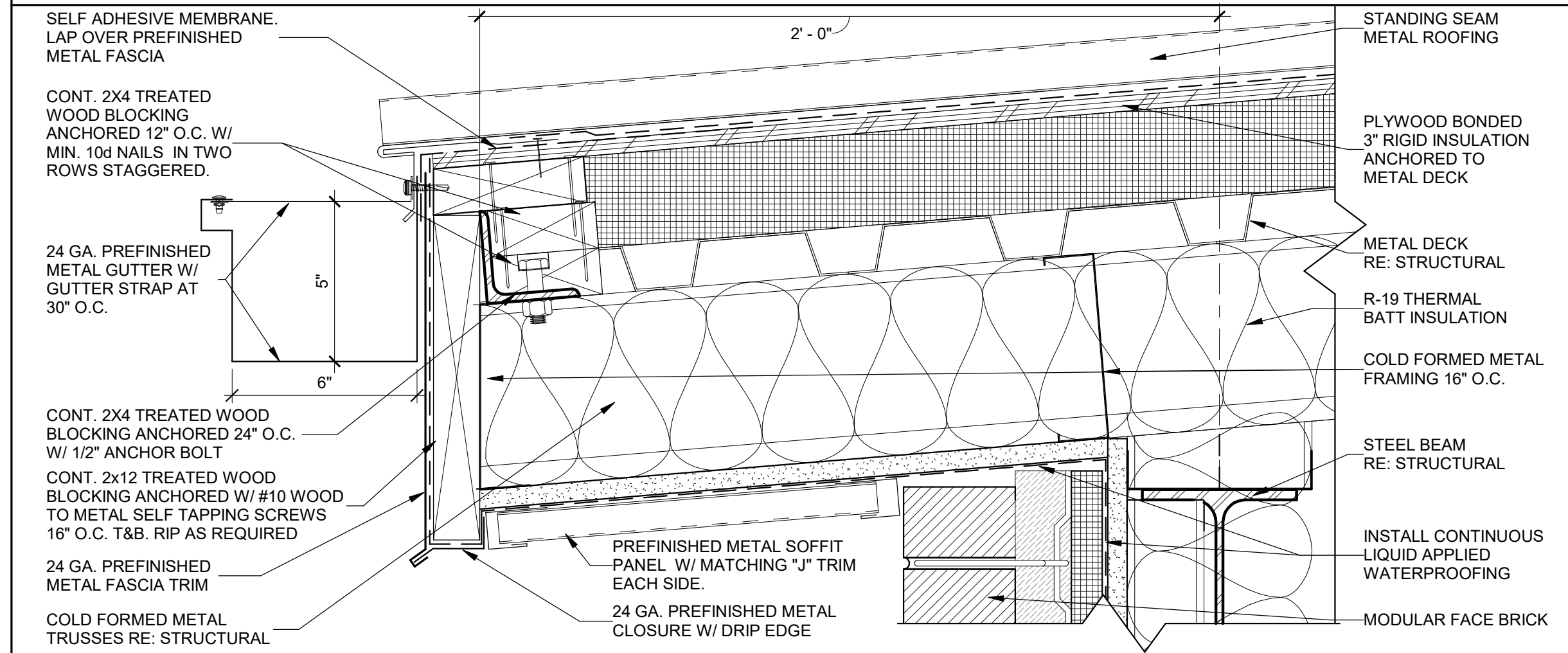




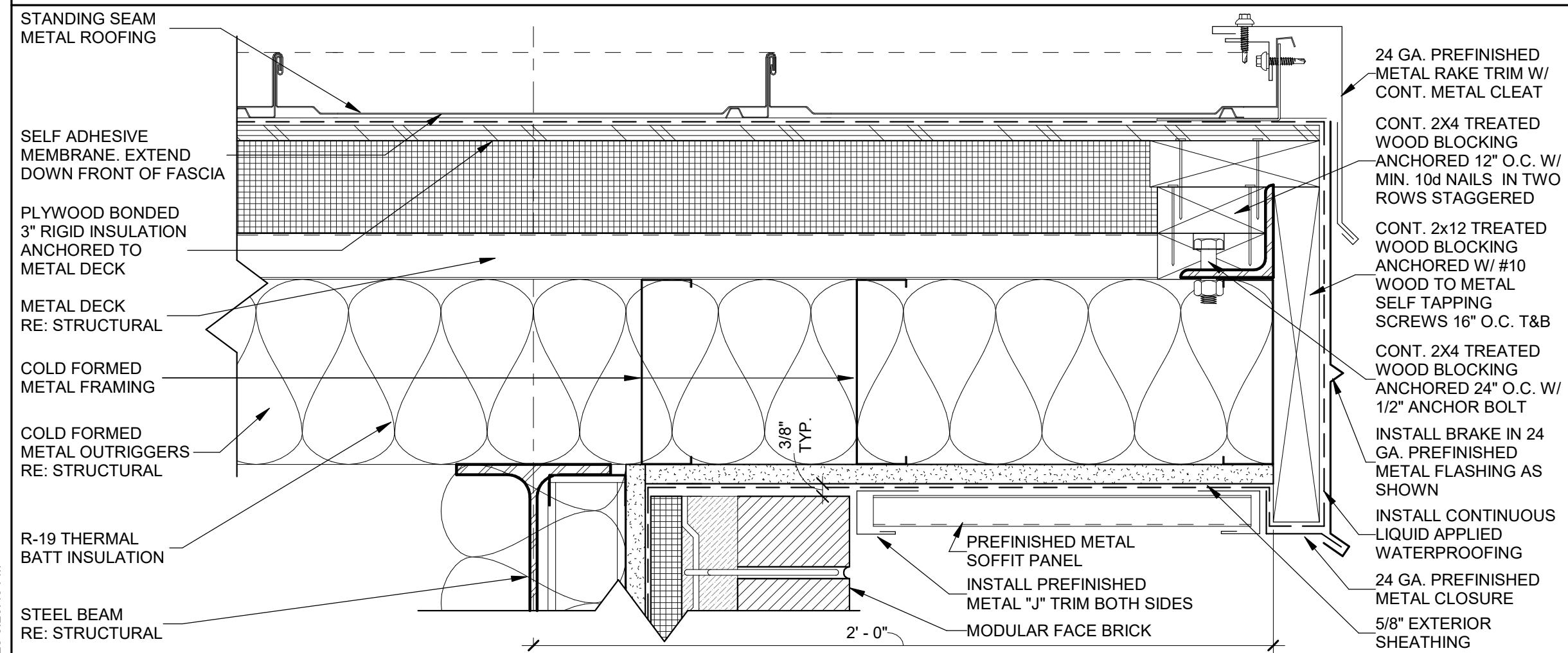
1 STANDING SEAM EAVE DETAIL  
3" = 1'-0"



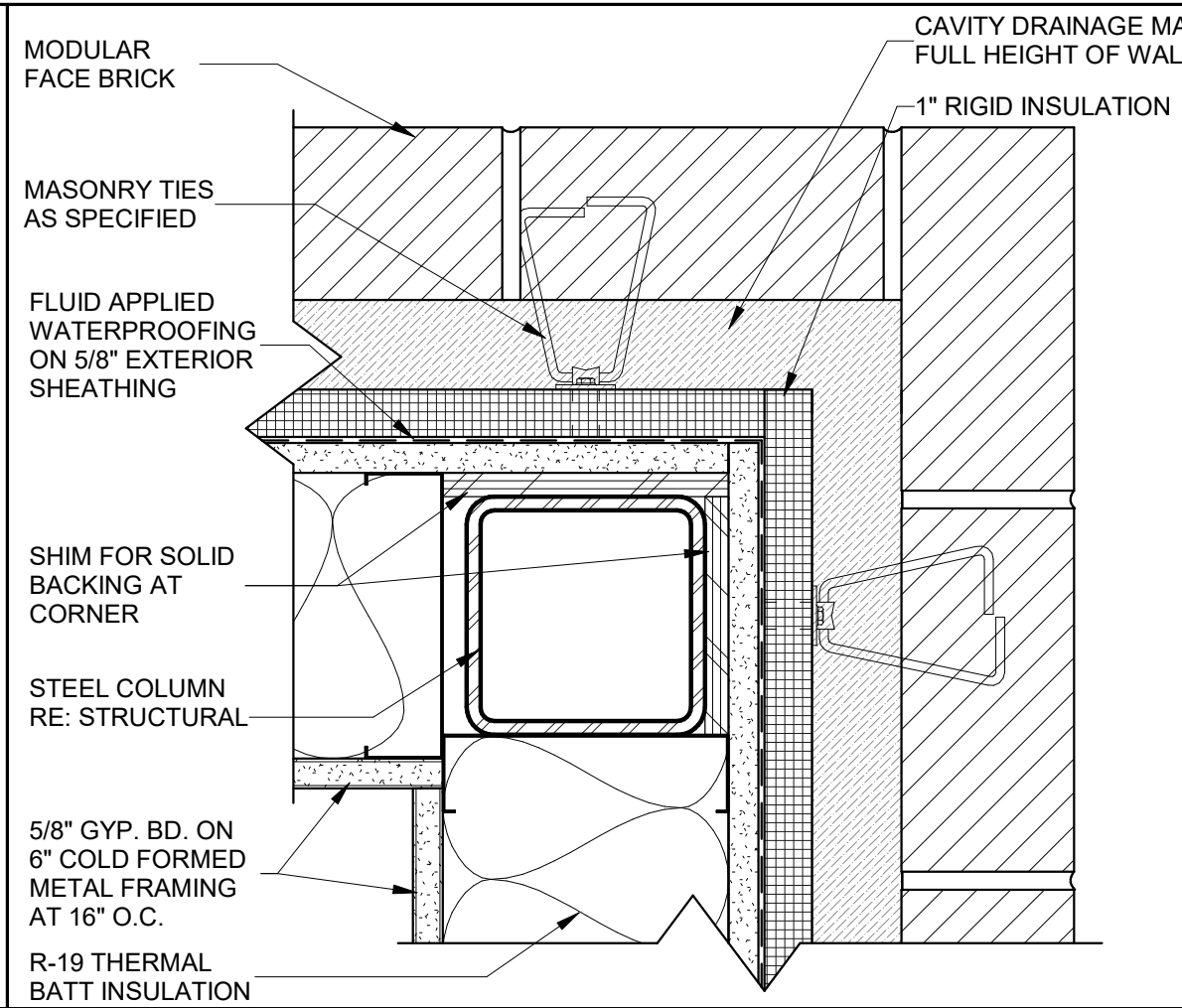
6 STANDING SEAM EAVE DETAIL  
3" = 1'-0"



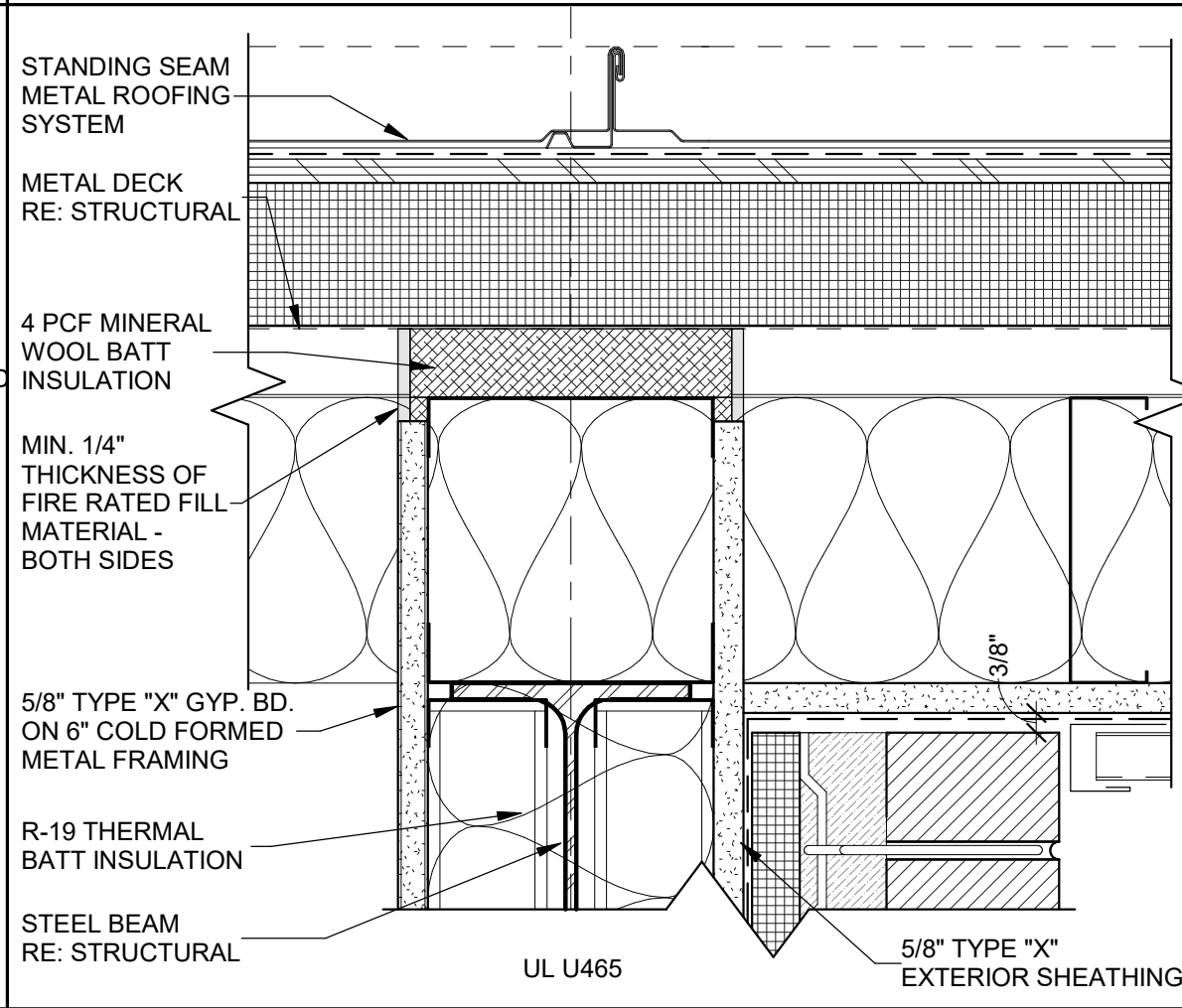
11 STANDING SEAM EAVE DETAIL  
3" = 1'-0"



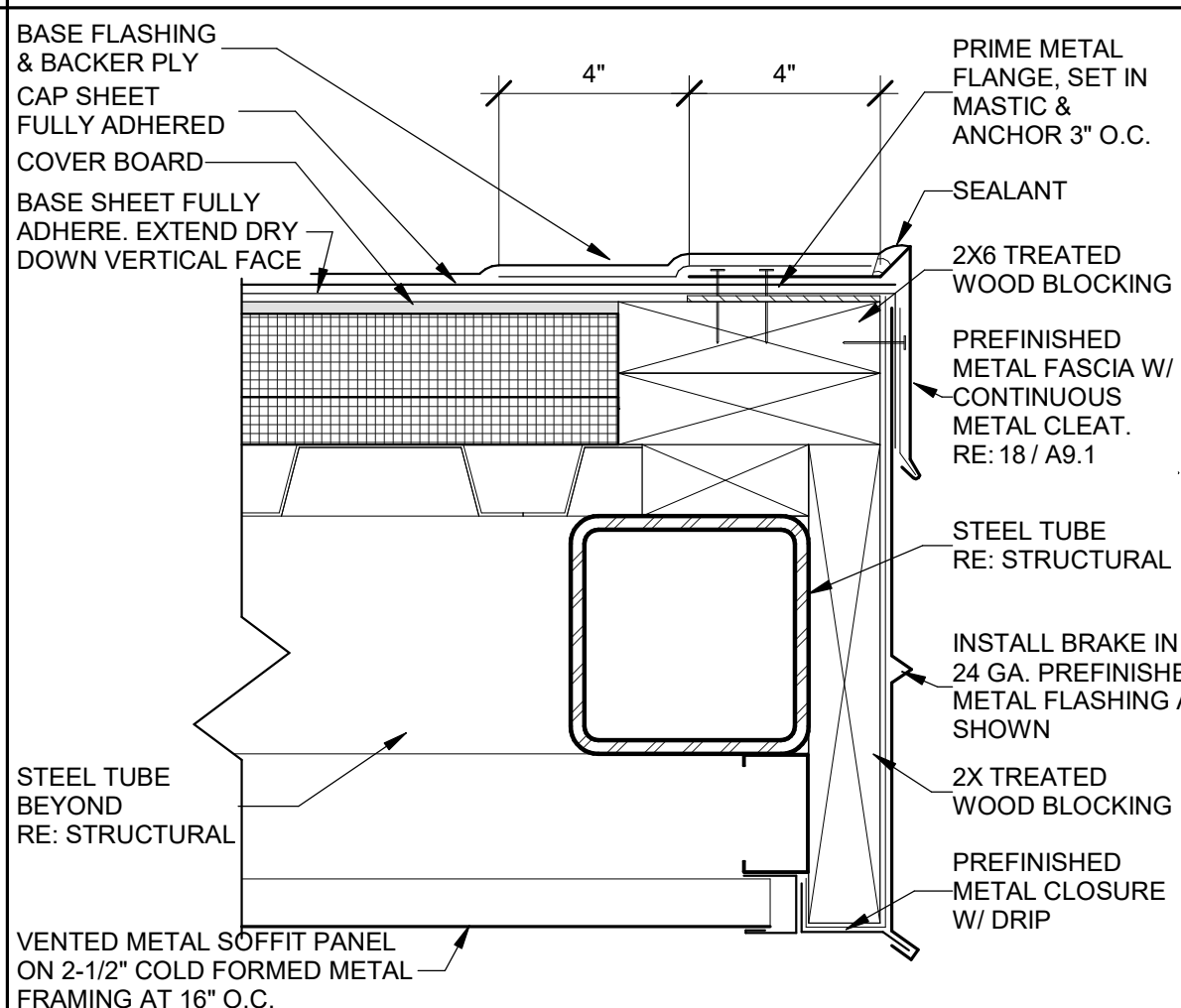
16 STANDING SEAM RAKE DETAIL  
3" = 1'-0"



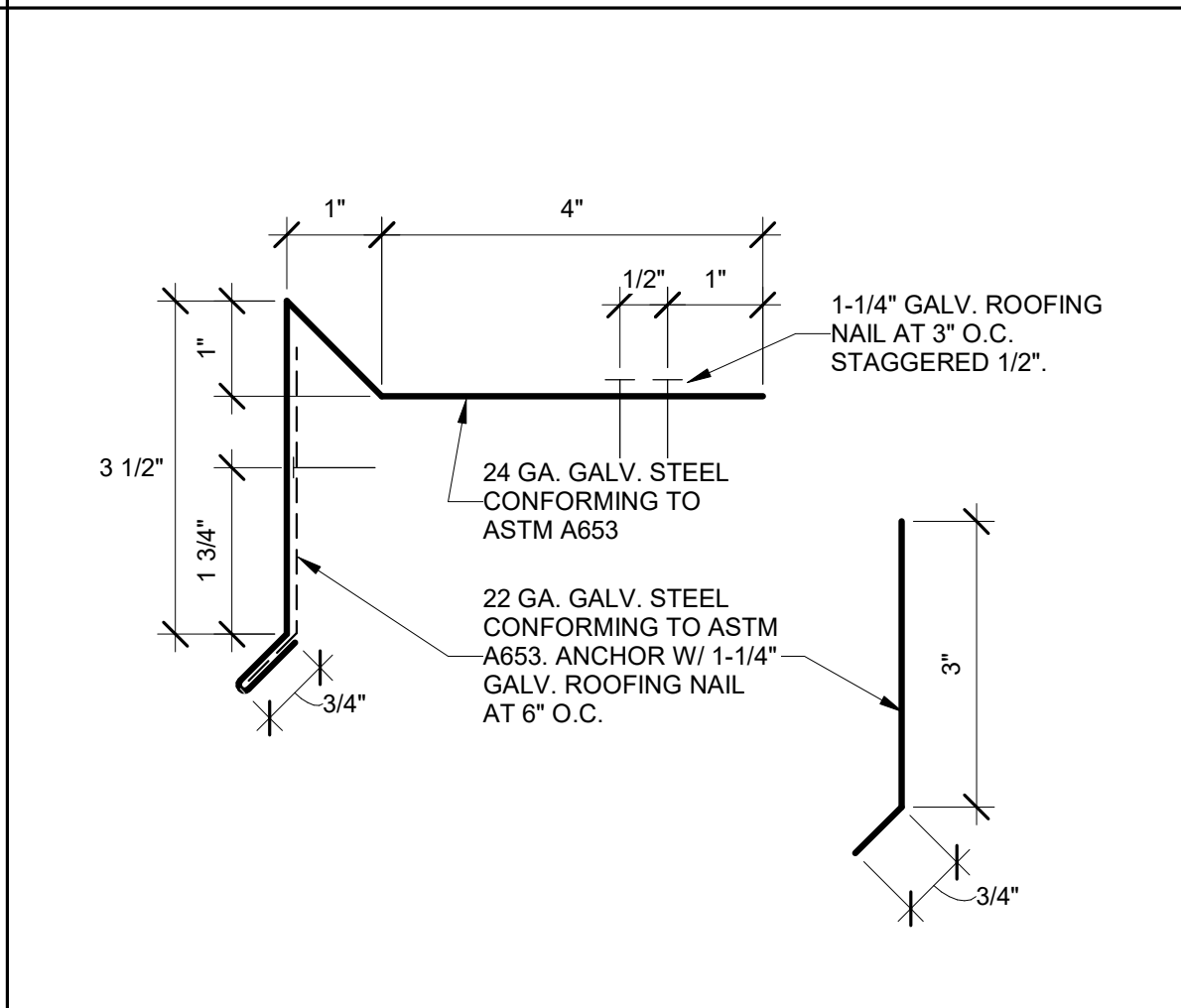
3 BRICK CORNER DETAIL  
3" = 1'-0"



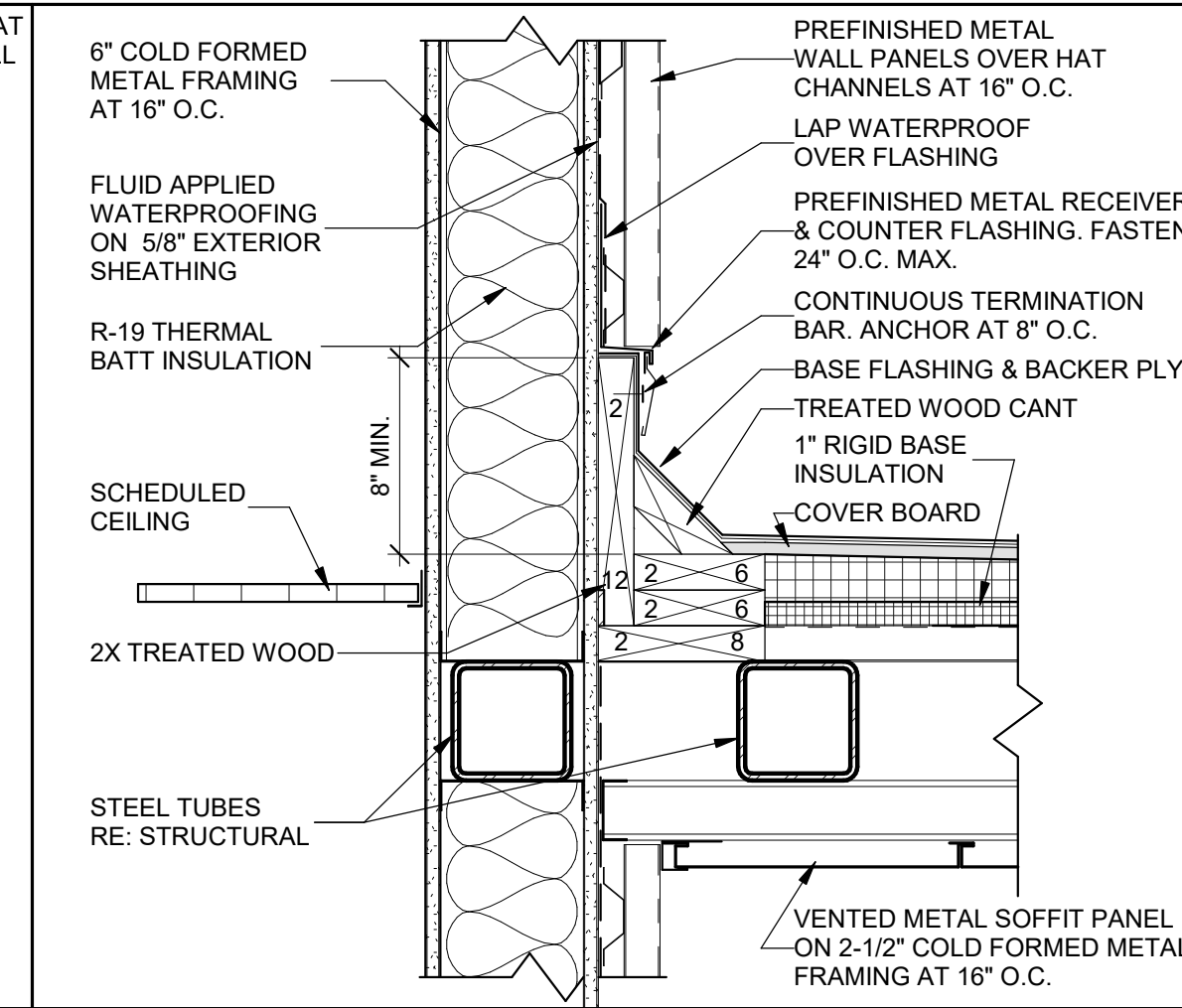
8 FIRE BARRIER DETAIL  
3" = 1'-0"



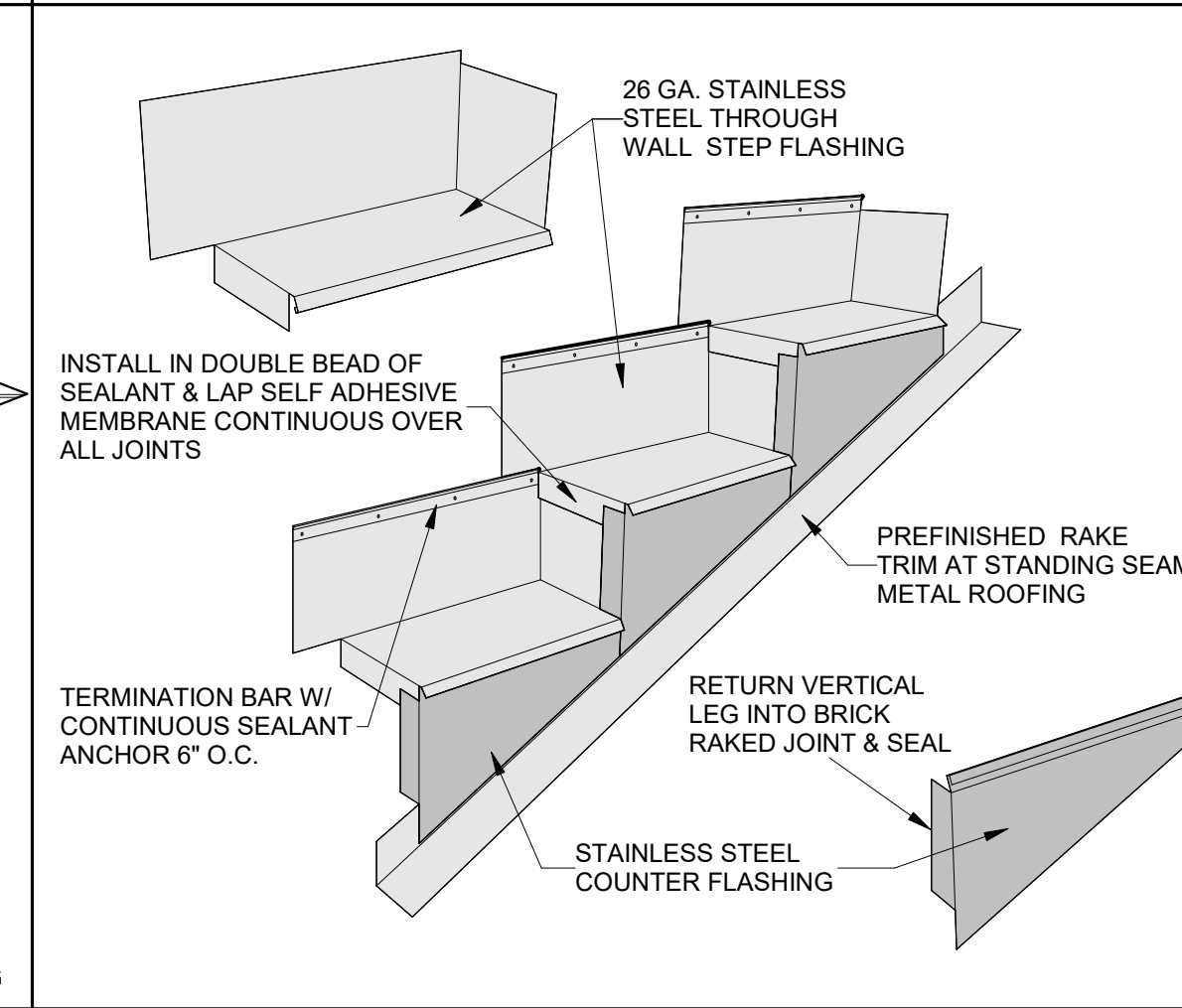
13 ROOF EDGE DETAIL  
3" = 1'-0"



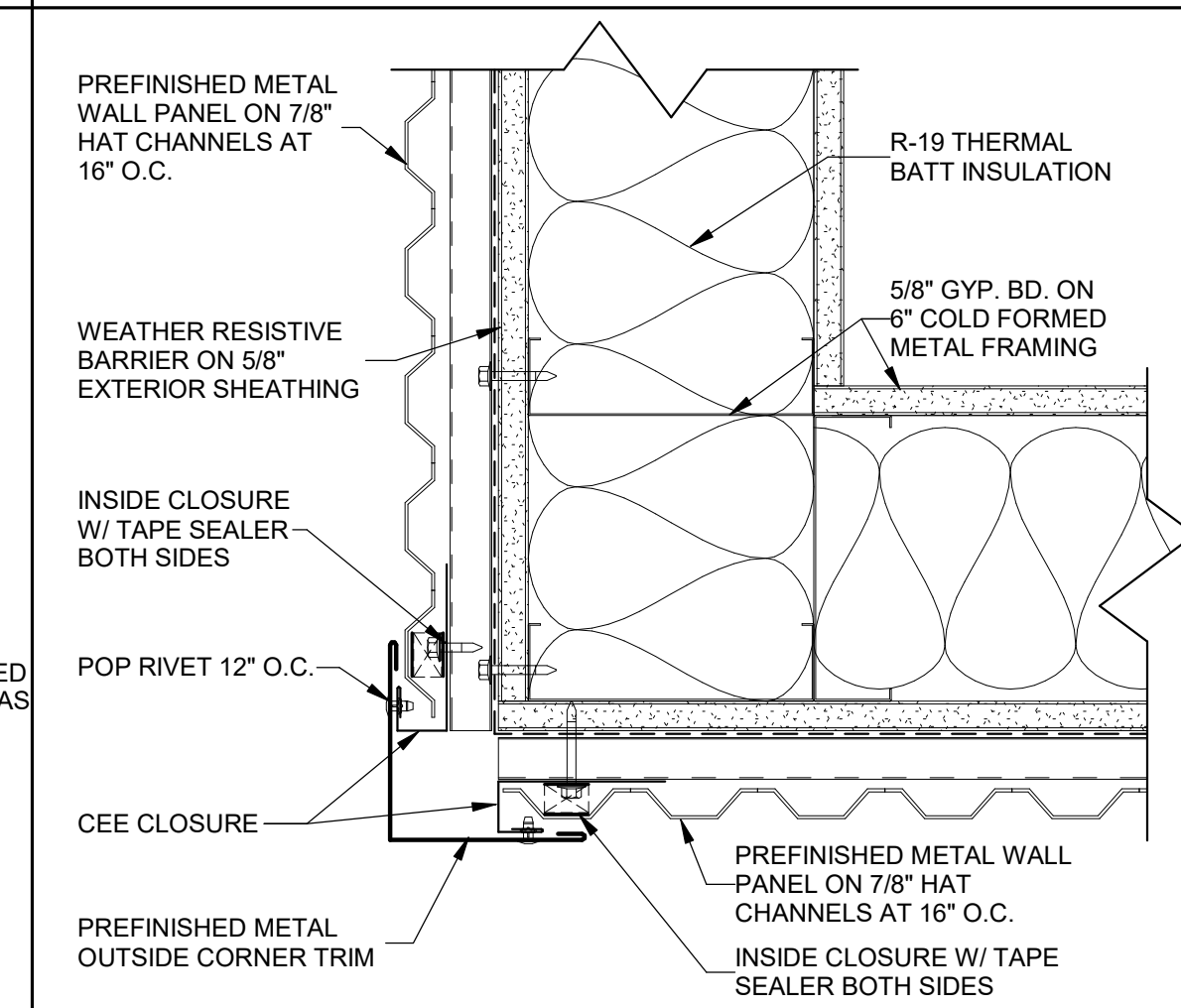
18 ROOF EDGE FLASHING  
6" = 1'-0"



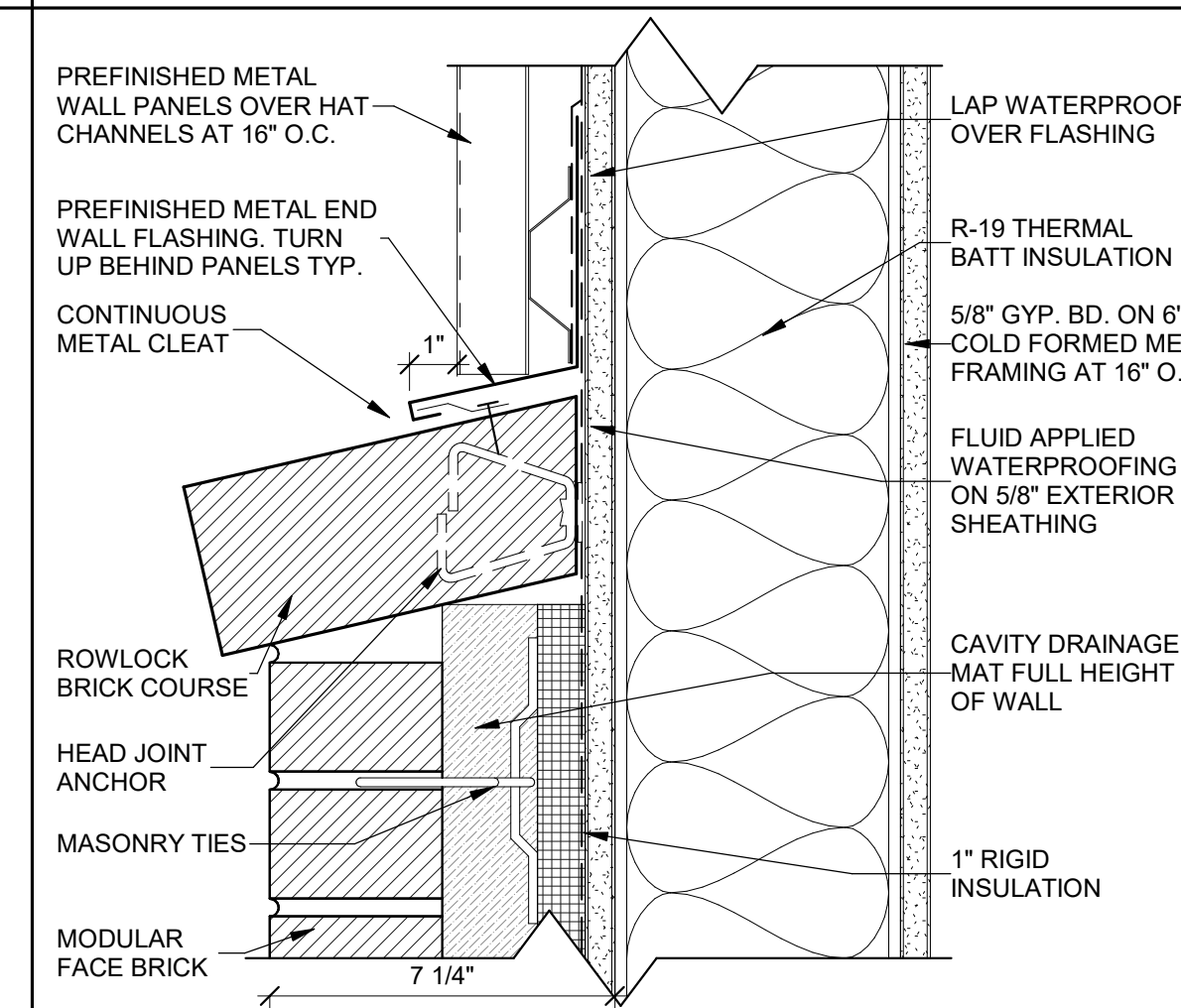
4 ROOF TO WALL DETAIL  
1 1/2" = 1'-0"



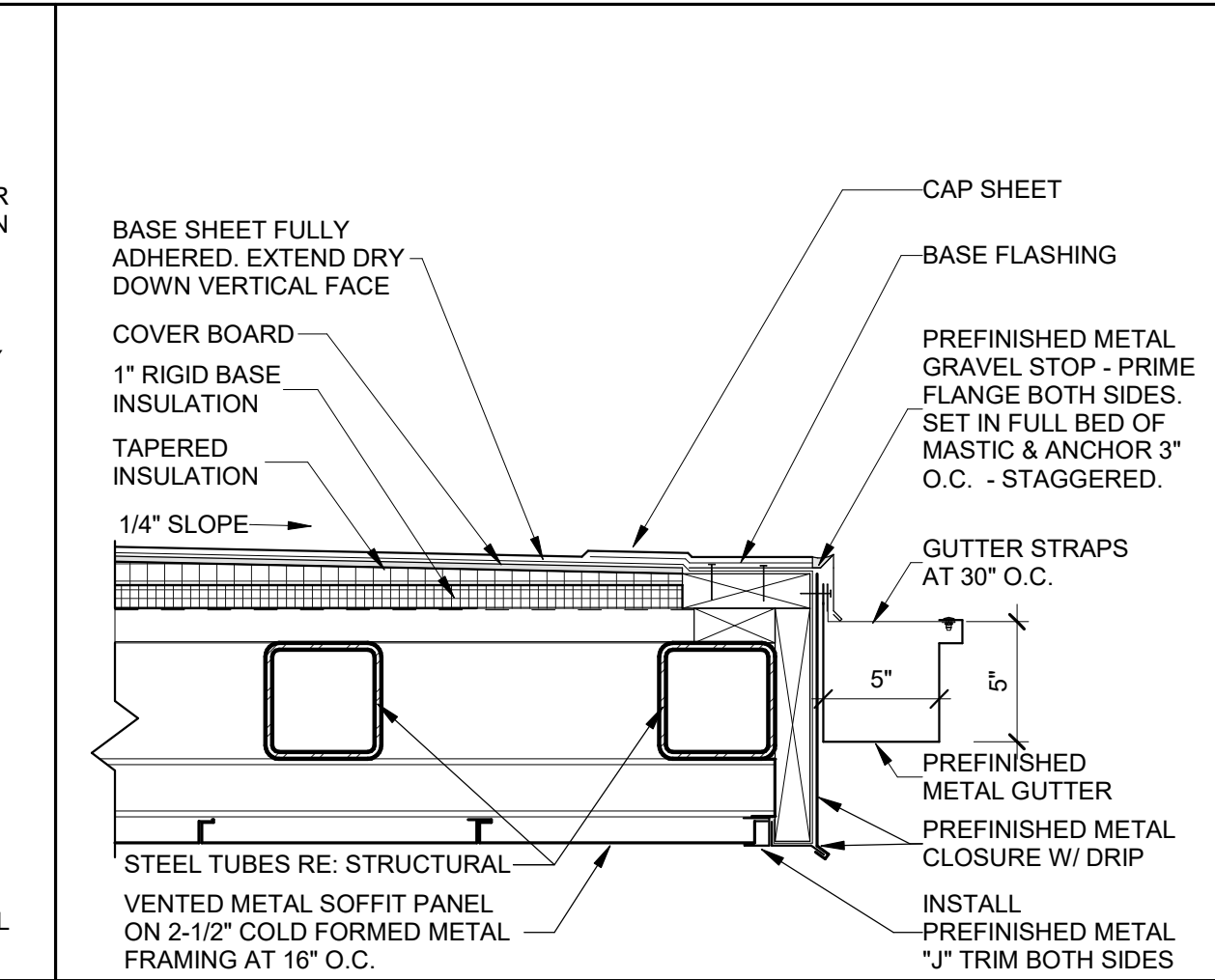
9 STEP FLASHING DETAIL  
1" = 1'-0"



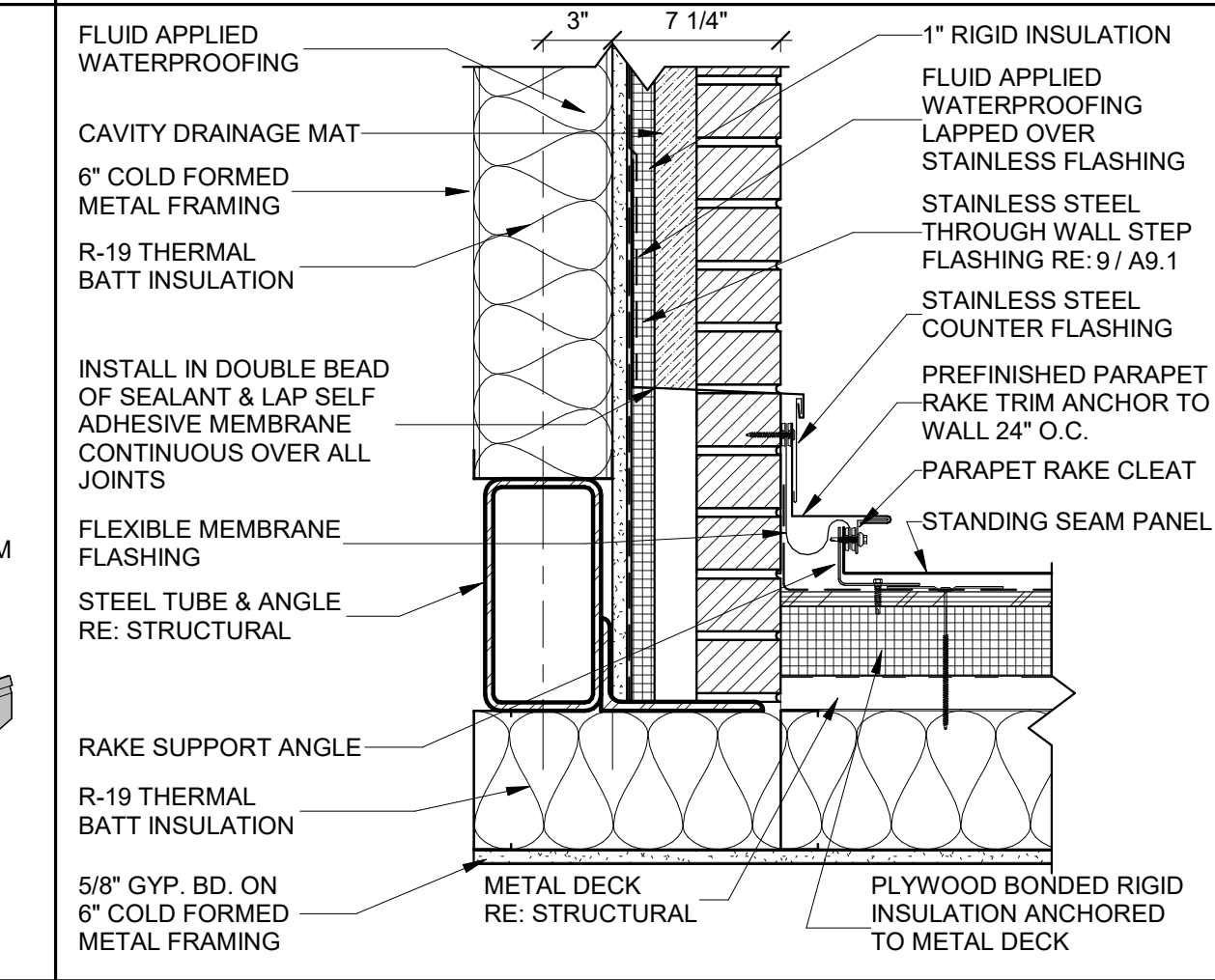
14 OUTSIDE CORNER DETAIL  
3" = 1'-0"



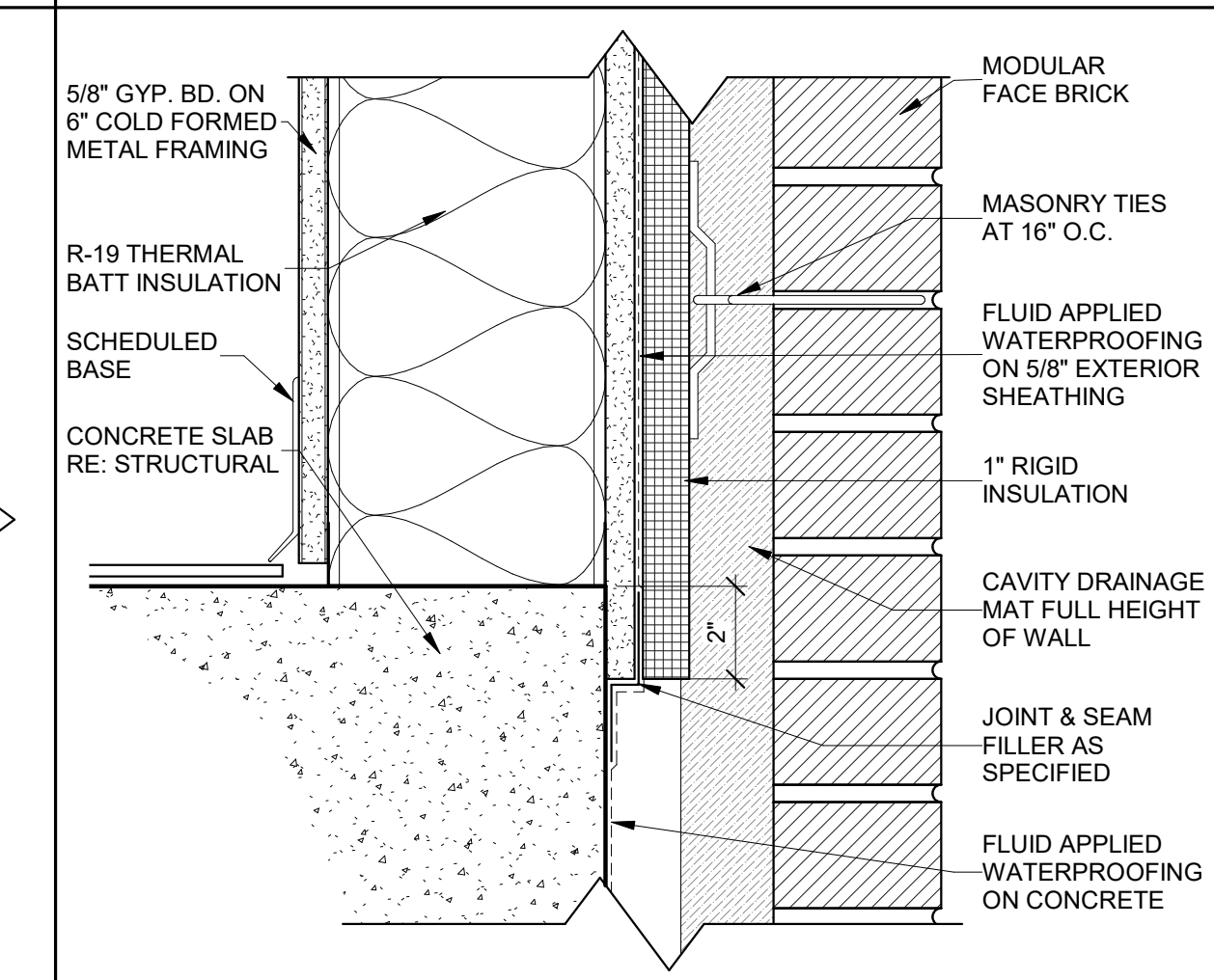
19 METAL PANEL TO BRICK  
3" = 1'-0"



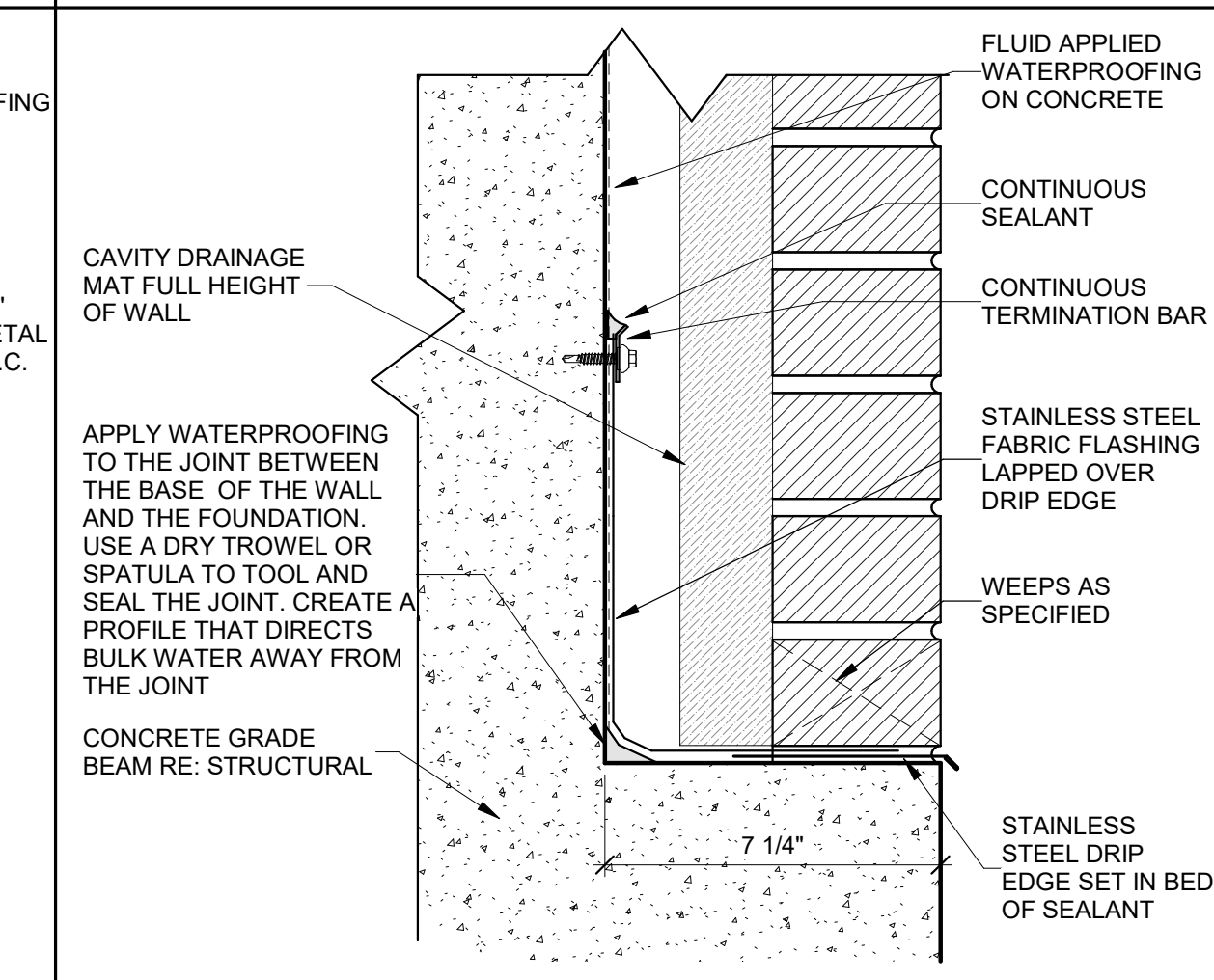
5 ROOF EDGE DETAIL  
1 1/2" = 1'-0"



10 ROOF TO WALL DETAIL  
1 1/2" = 1'-0"

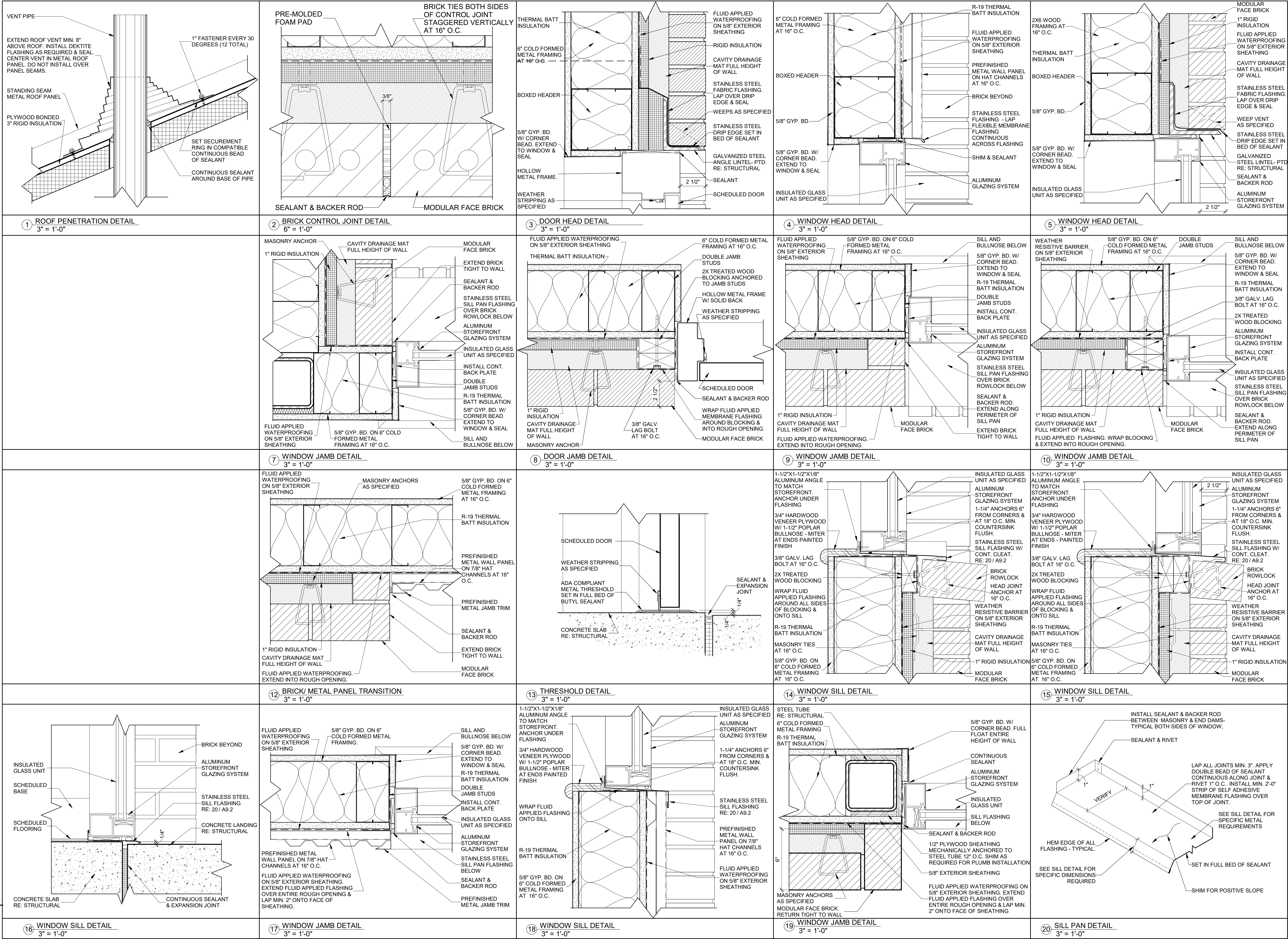


15 WALL TRANSITION DETAIL  
3" = 1'-0"



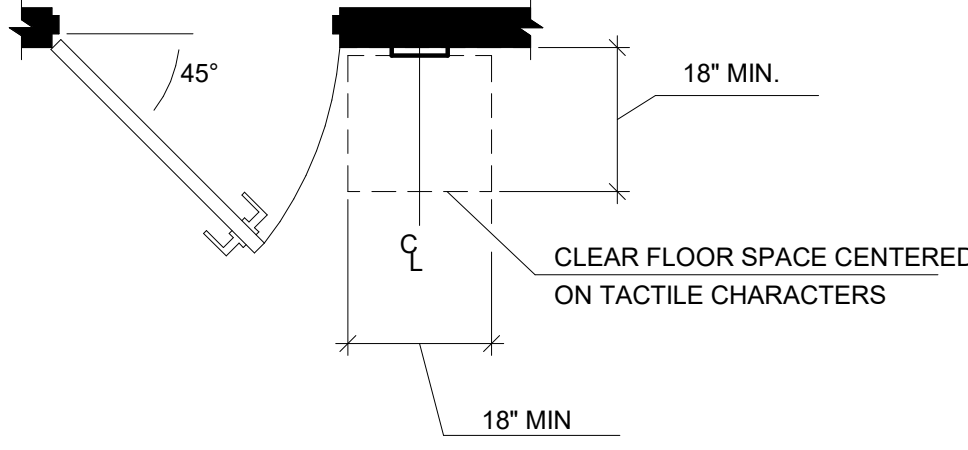
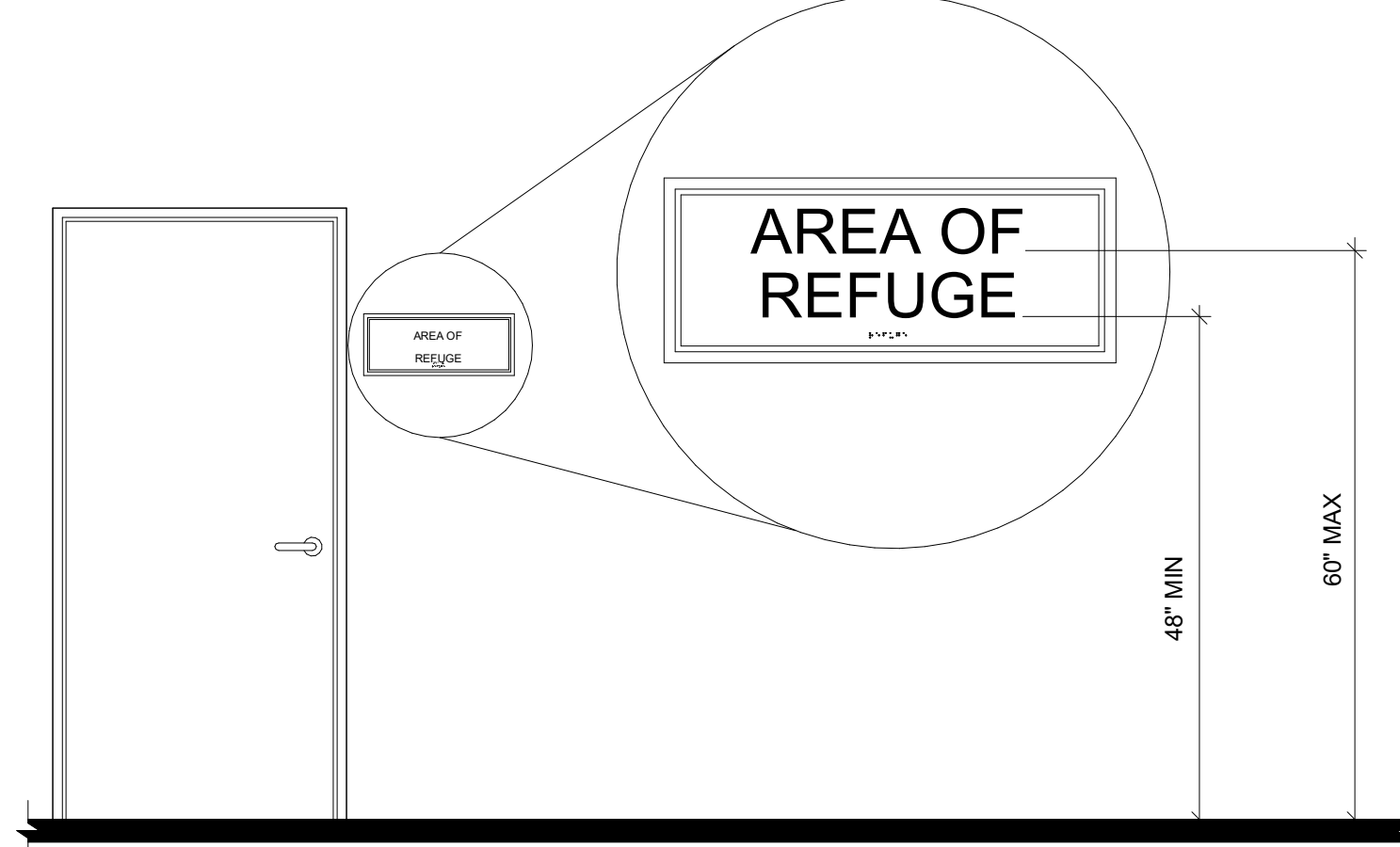
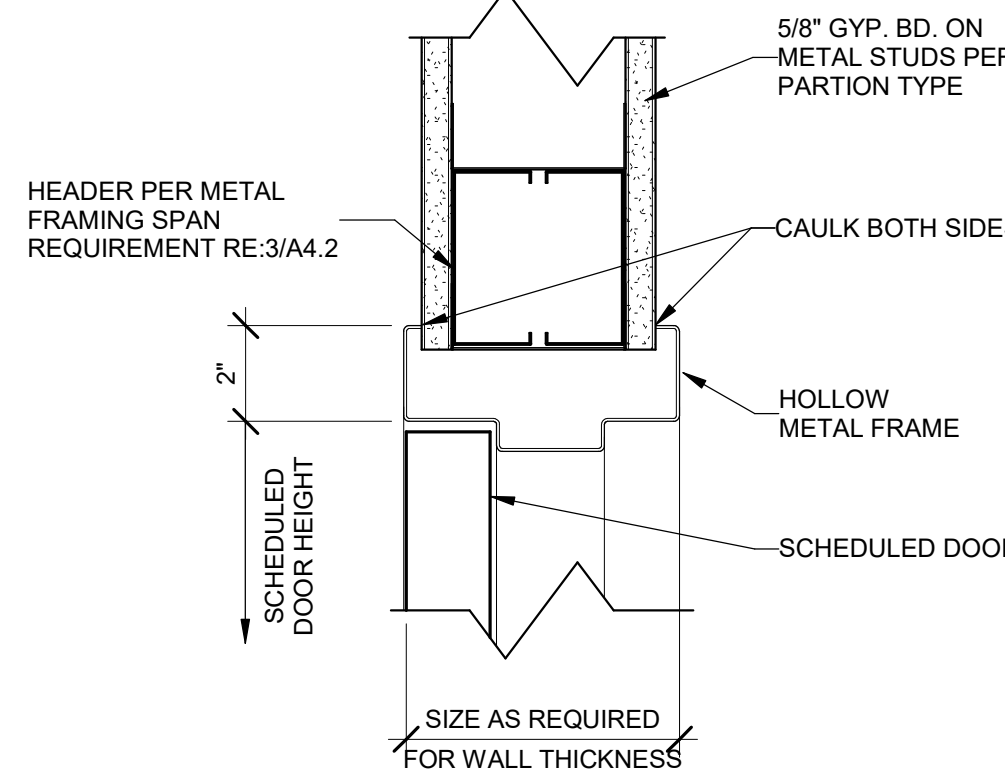
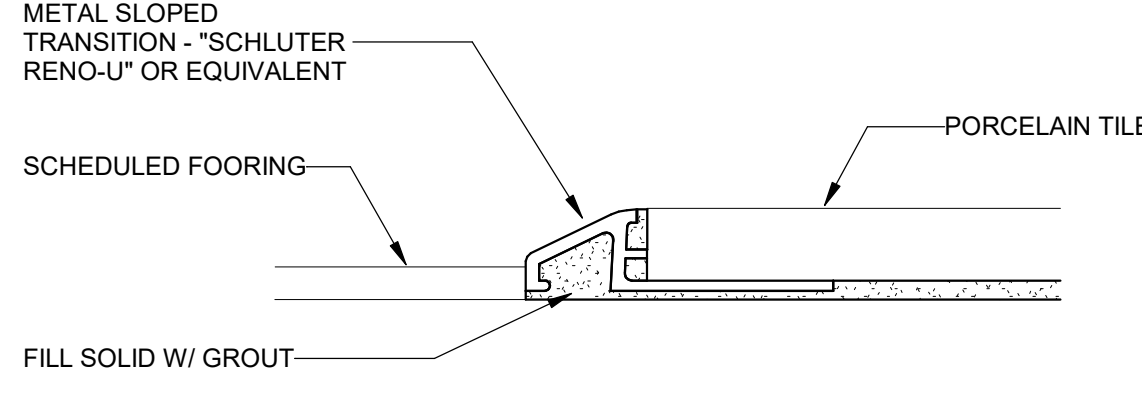
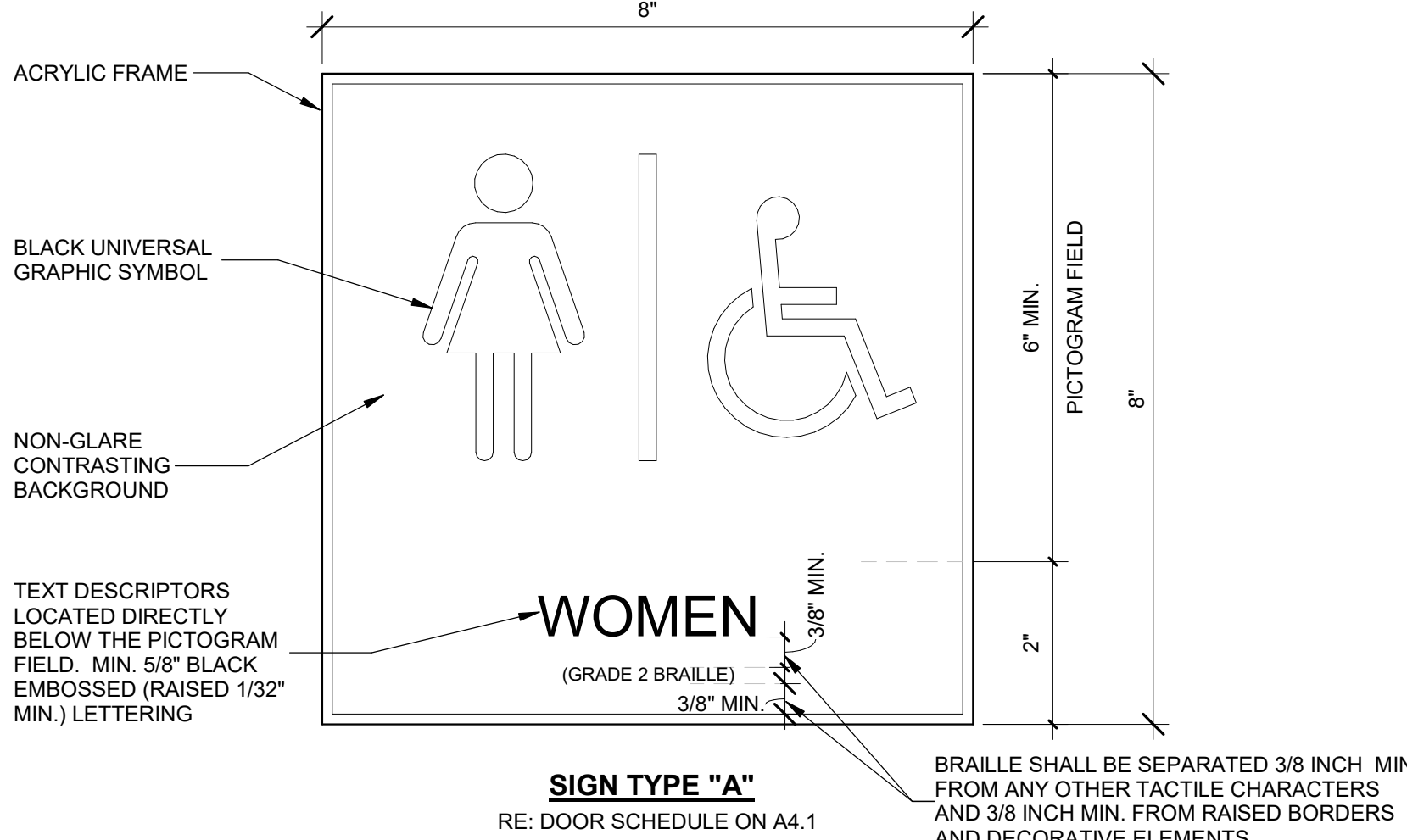
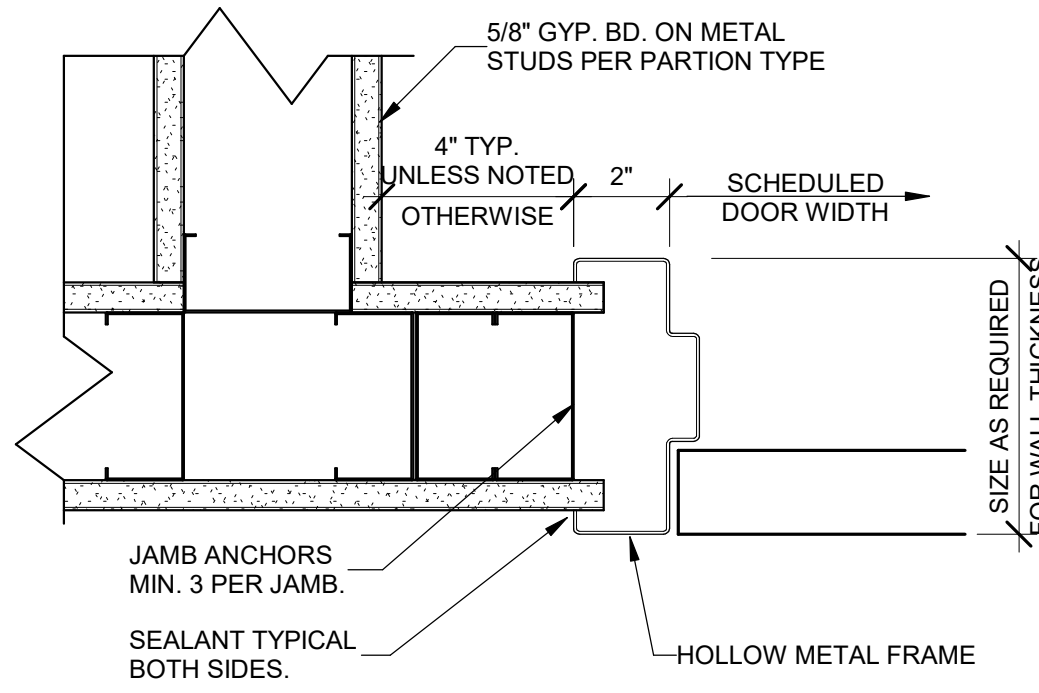
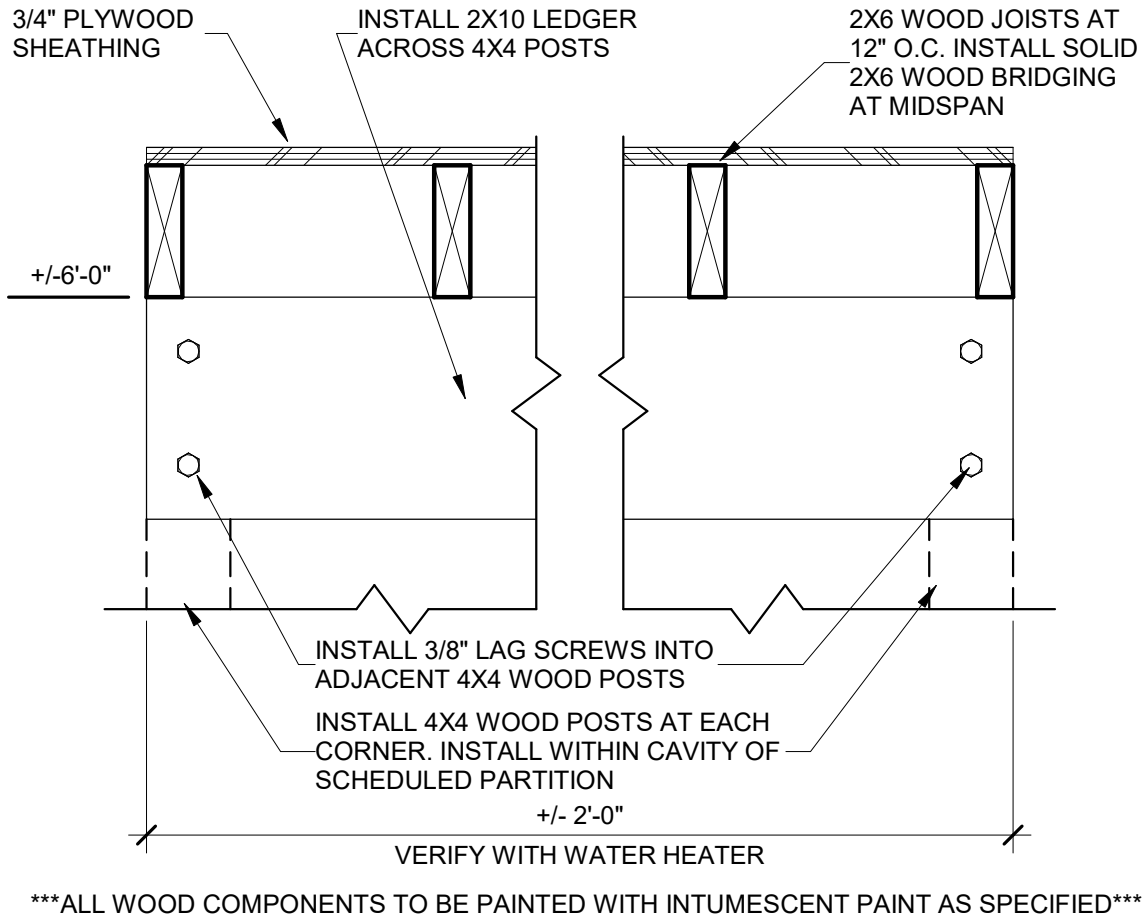
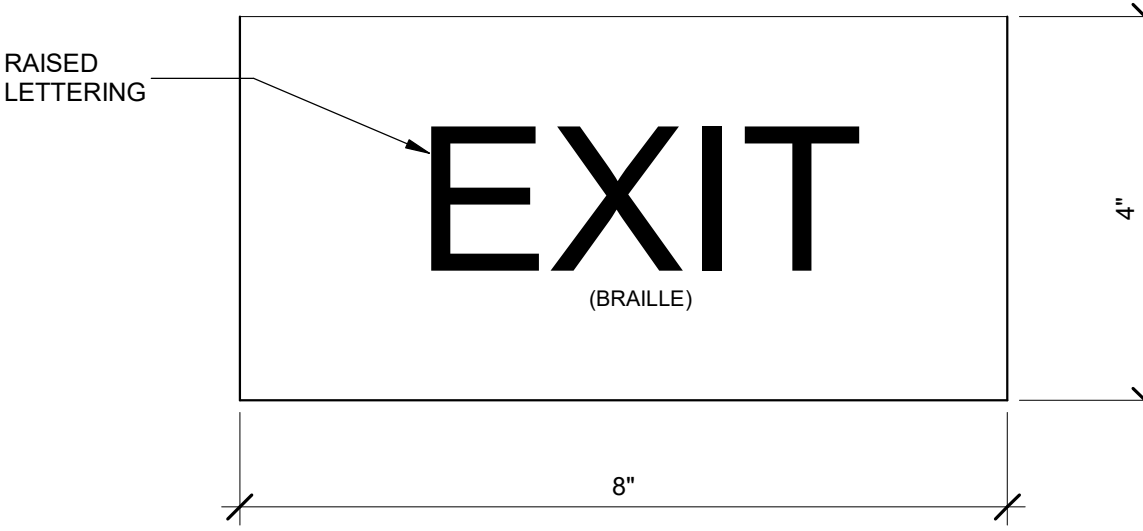
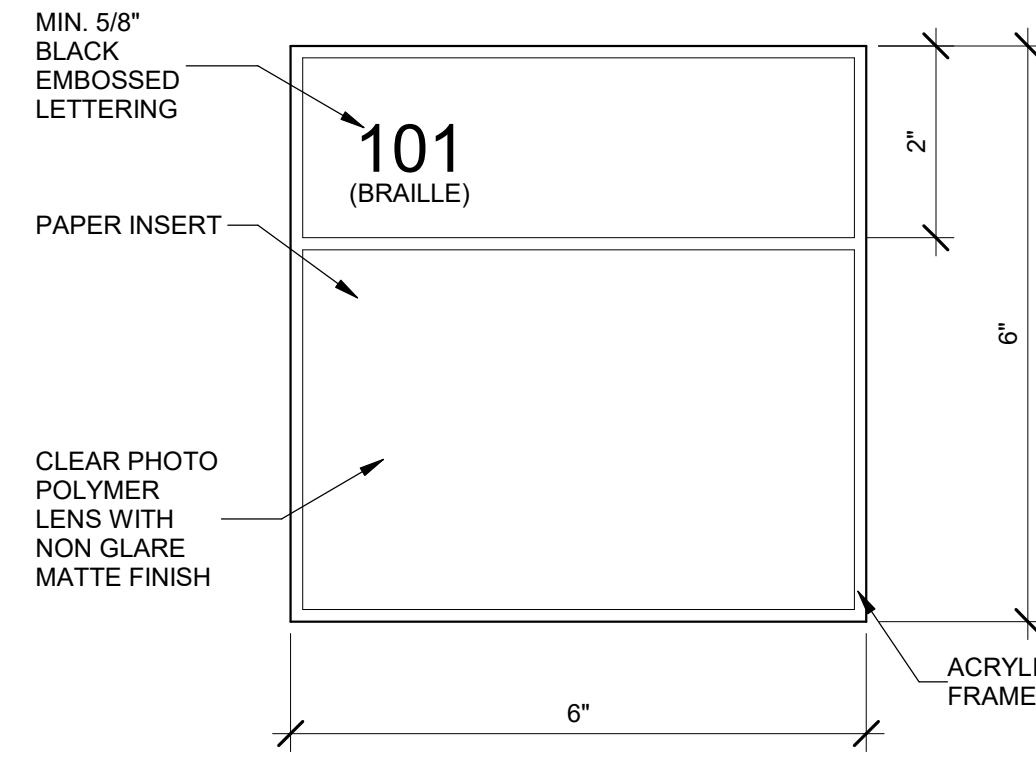
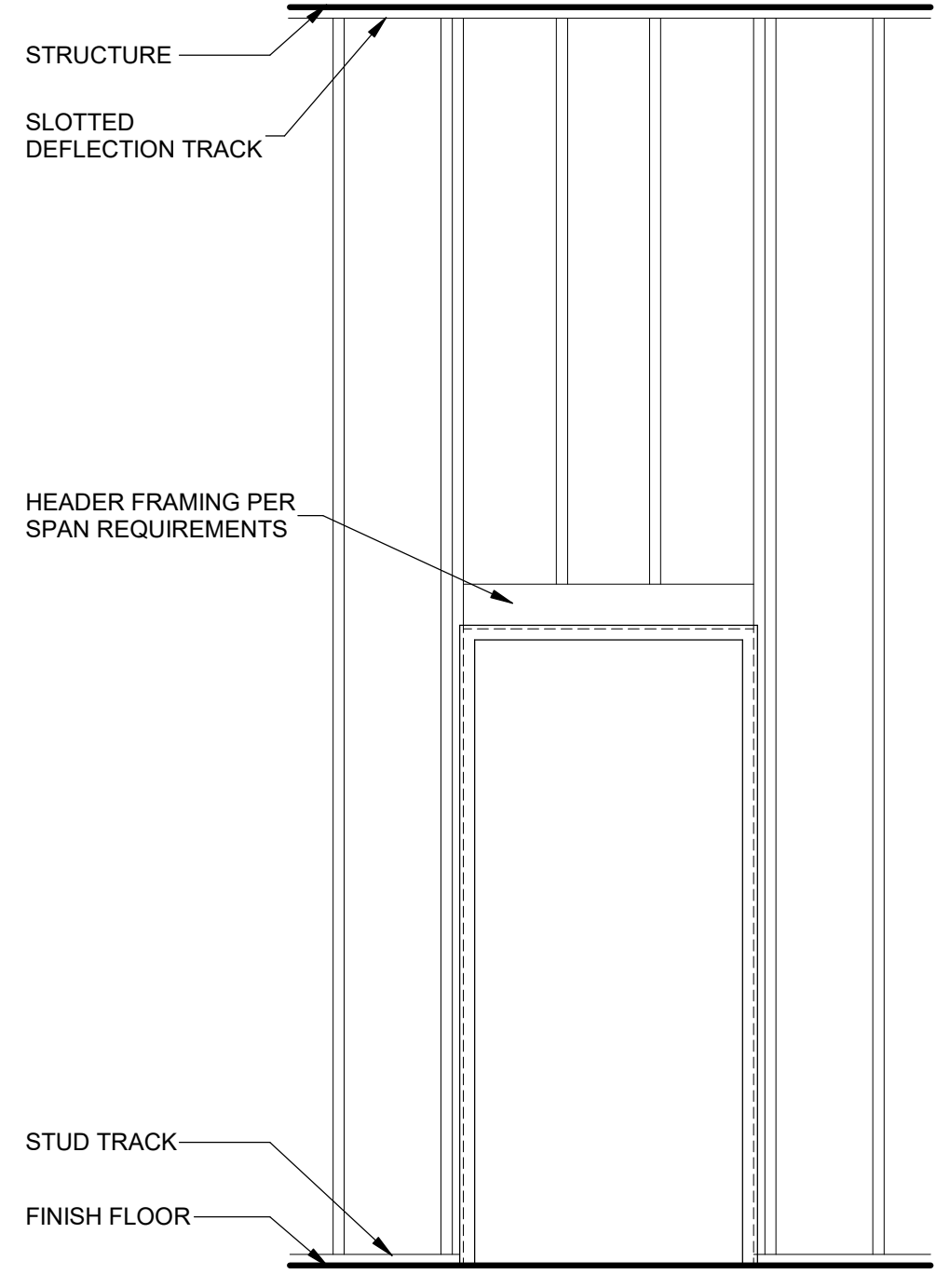
20 BRICK BASE FLASHING DETAIL  
3" = 1'-0"







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	<p>② TACTILE SIGNS AT DOORS 1/2" = 1'-0"</p>	<p>③ HEIGHT OF TACTILE CHARACTERS 1/2" = 1'-0"</p>	<p>⑤ HOLLOW METAL DOOR HEAD 3" = 1'-0"</p>
			
	<p>⑦ TILE TRANSITION DETAIL 12" = 1'-0"</p>	<p>⑧ ADA RESTROOM SIGN 6" = 1'-0"</p>	<p>⑩ HOLLOW METAL DOOR JAMB 3" = 1'-0"</p>
			
	<p>⑫ WATER HEATER PLATFORM 1 1/2" = 1'-0"</p>	<p>⑬ LOW LEVEL EXIT SIGN 6" = 1'-0"</p>	<p>⑭ TYPICAL ROOM SIGN 6" = 1'-0"</p>
			
			<p>⑮ STUD FRAMING - AT PARTITIONS THAT DO NOT EXTEND TO STRUCTURE ABOVE - DOUBLED STUDS AT DOORS SHALL EXTEND TO STRUCTURE</p> <p>FRAME OPENINGS UP TO 3'-6" WIDE - JAMBS - INSTALL 16 GA. MIN. DOUBLE STUDS HEAD: INSTALL DOUBLE STUDS</p> <p>FRAME OPENINGS 3'-6" WIDE AND OVER JAMBS - INSTALL 16 GA. MIN. DOUBLE STUDS HEAD: INSTALL 20 GA. MIN. DOUBLE STUDS</p>
			<p>⑯ METAL STUD FRAMING DETAIL 1/2" = 1'-0"</p>

ARCHITECTURE | INTERIOR DESIGN

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SAINT PAUL THE APOSTLE CATHOLIC CHURCH  
NEW CHURCH OFFICE BUILDING

6828 CHEF MENTEUR HWY.  
NEW ORLEANS, LA 70126

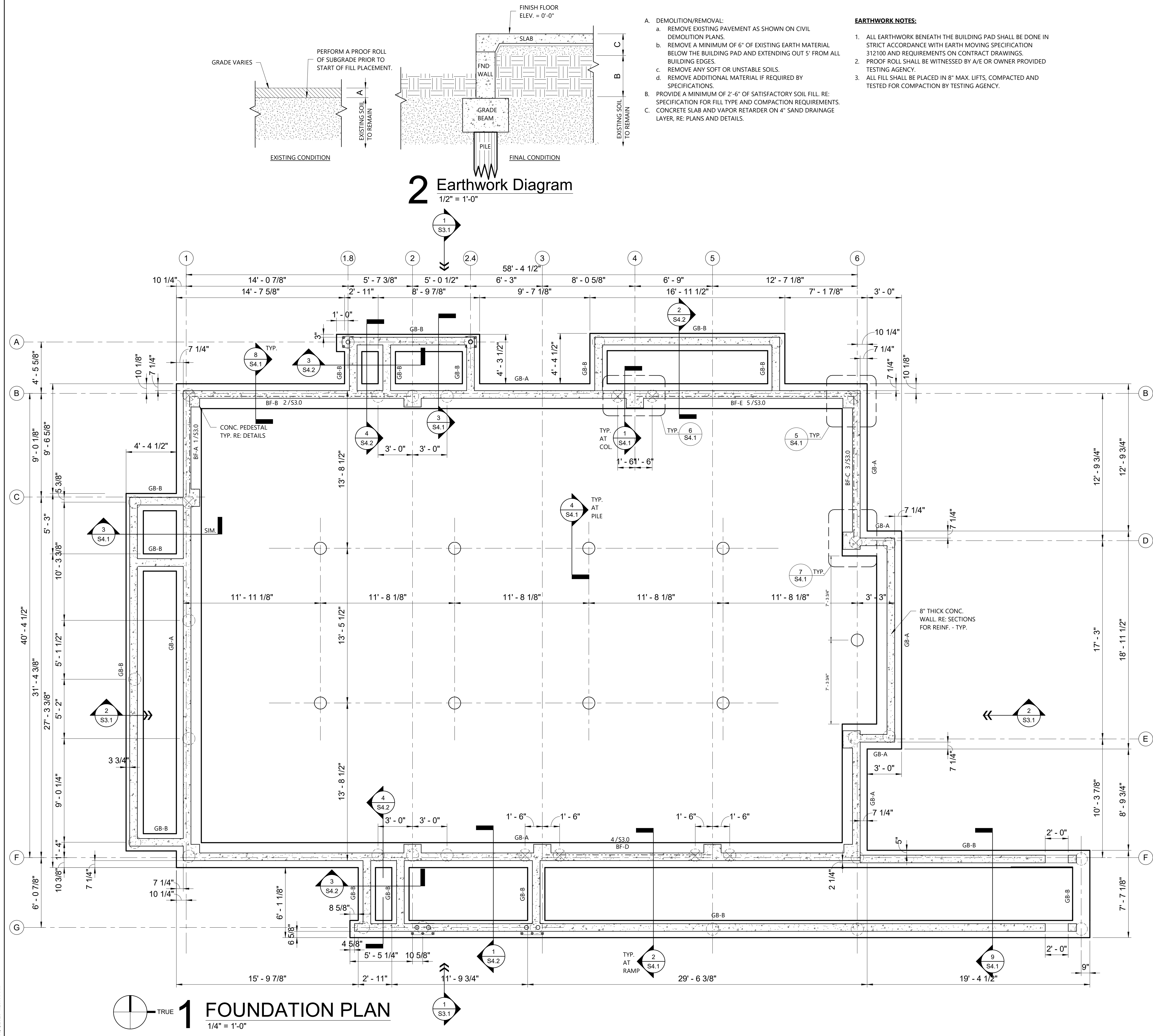
CONSTRUCTION  
DOCUMENTS

project no. 2019008.00  
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designed by MS  
drawn by MB  
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A10.1



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**1 FOUNDATION PLAN**  
1/4" = 1'-0"

**2 Earthwork Diagram**  
1/2" = 1'-0"

- A. DEMOLITION/REMOVAL:**
- REMOVE EXISTING PAVEMENT AS SHOWN ON CIVIL DEMOLITION PLANS.
  - REMOVE A MINIMUM OF 6" OF EXISTING EARTH MATERIAL BELOW THE BUILDING PAD AND EXTENDING OUT 5' FROM ALL BUILDING EDGES.
  - REMOVE ANY SOFT OR UNSTABLE SOILS.
  - REMOVE ADDITIONAL MATERIAL IF REQUIRED BY SPECIFICATIONS.
- B. PROVIDE A MINIMUM OF 2'-6" OF SATISFACTORY SOIL FILL, RE: SPECIFICATION FOR FILL TYPE AND COMPACTION REQUIREMENTS.**
- C. CONCRETE SLAB AND VAPOR RETARDER ON 4" SAND DRAINAGE LAYER, RE: PLANS AND DETAILS.**

**EARTHWORK NOTES:**

- ALL EARTHWORK BENEATH THE BUILDING PAD SHALL BE DONE IN STRICT ACCORDANCE WITH EARTH MOVING SPECIFICATION 312100 AND REQUIREMENTS ON CONTRACT DRAWINGS.
- PROOF ROLL SHALL BE WITNESSED BY A/E OR OWNER PROVIDED TESTING AGENCY.
- ALL FILL SHALL BE PLACED IN 8" MAX. LIFTS, COMPACTED AND TESTED FOR COMPACTION BY TESTING AGENCY.

**FOUNDATION PLAN NOTES AND LEGEND:**

THE TOP OF ALL GRADE BEAMS SHALL BE AT EL. -4'-0", UNLESS NOTED OTHERWISE.

THE CENTER OF GRAVITY OF ALL PILES IS AT THE INTERSECTION OF GRADE BEAMS, UNLESS NOTED OTHERWISE.

ALL GRADE BEAMS SHALL BE PLACED OVER A 2" THICK CONCRETE DRY BOTTOM AS DEEMED APPROPRIATE BY THE CONTRACTOR IF A PRECIPITATION EVENT IS ANTICIPATED BEFORE CONCRETE PLACEMENT. EXPOSED GRADE BEAM BOTTOMS THAT DO NOT CONTAIN DRY BOTTOMS SHALL NOT BE SUBJECTED TO A PRECIPITATION EVENT PRIOR TO PLACING CONCRETE. THE GRADE BEAM AND SUBGRADE SHALL BE APPROVED BY THE TESTING AGENCY FOR ADEQUATE BEARING CAPACITY PRIOR TO PLACEMENT OF DRY BOTTOMS/CONCRETE. DRY BOTTOMS/CONCRETE FOOTING SHALL BE PLACED AS SOON AS POSSIBLE AFTER APPROVAL AND NO PRECIPITATION EVENT SHALL OCCUR IN THE TIME BETWEEN APPROVAL AND PLACEMENT. DO NOT PLACE DRY BOTTOM CONCRETE OVER PILES.

○ = DENOTES TIMBER PILE -RE: DETAILS, RE: 1&3/S4.0.

⊗ = DENOTES TIMBER TENSION PILE, RE: 2&4/S4.0.

**BF-A** - INDICATES BRACED FRAME TYPE "A". TYP. SEE ELEVATIONS FOR BRACE INFORMATION.

SEE GENERAL NOTES FOR FORMING REQUIREMENTS OF FOUNDATION ELEMENTS.

SEE SPECIFICATION 31 2100 FOR EARTH MOVING AT BUILDING PAD REQUIREMENTS.

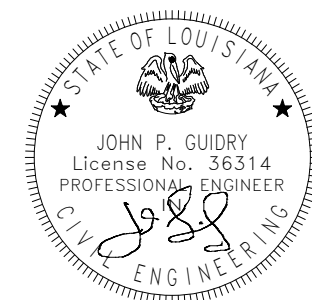
**GRADE BEAM SCHEDULE**

Mark	Width	Depth	Top Bars	Bottom Bars	Ties
GB-A	2' - 2"	2' - 0"	(3)-#8 CONTINUOUS	(3)-#8 CONTINUOUS	#3 TIES AT 12" O.C.
GB-B	1' - 6"	2' - 0"	(3)-#6 CONTINUOUS	(3)-#6 CONTINUOUS	#3 TIES AT 12" O.C.

**SAINT PAUL THE APOSTLE CATHOLIC CHURCH  
NEW CHURCH OFFICE BUILDING**

**CONSTRUCTION  
DOCUMENTS**

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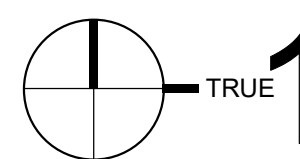
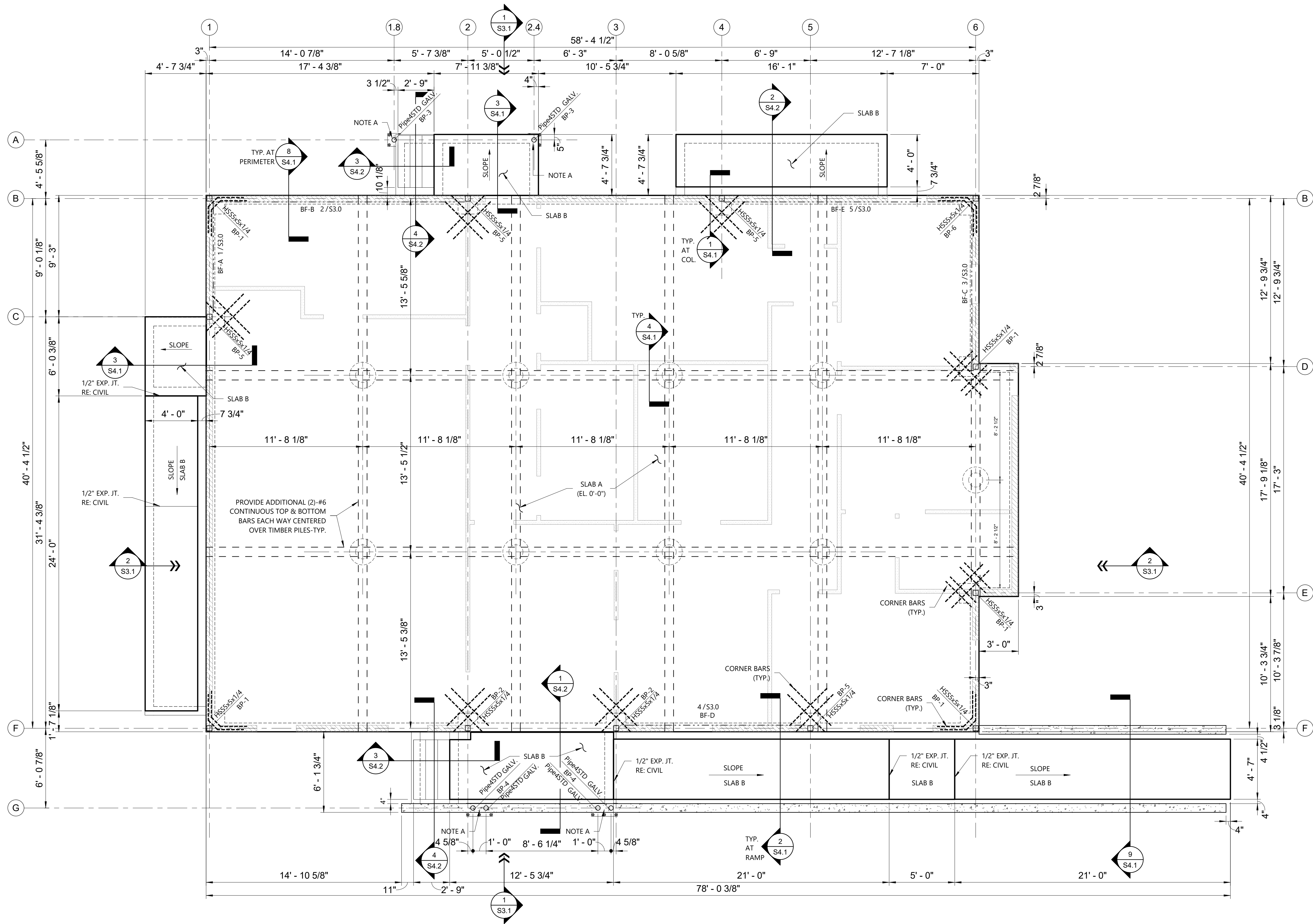
**S1.0**

ARCHITECTURE INTERIOR DESIGN  
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10/2/2023 2:25:12 PM



# 1 FIRST FLOOR FRAMING PLAN

1/4" = 1'-0"

## SLAB PLAN NOTES AND LEGEND:

**SLAB A** = 6 1/2" THICK TWO-WAY CONCRETE SLAB ON 15 MIL VAPOR RETARDER WITH TAPED JOINTS ON 4" COMPACTED DRAINAGE LAYER. REINFORCE WITH #4 AT 12" O.C. EACH WAY TOP AND BOTTOM AND (2)-#6 CONTINUOUS TOP AND BOTTOM EACH WAY CENTERED OVER SINGLE PILES AND PEDESTALS. N-S BARS OUTERMOST LAYERS TOP AND BOTTOM. PROVIDE SAND CHAIRS AND SUPPLEMENTAL SUPPORT REINF. AS REQUIRED TO MAINTAIN CLEARANCES. SUBGRADE SHALL BE INSPECTED BY TESTING AGENCY AFTER EACH LIFT OF COMPACTED FILL IS COMPLETE AND IMMEDIATELY PRIOR TO PLACEMENT OF FINAL GRADING LAYER.

**SLAB B** = 5" THICK ONE-WAY CONCRETE SLAB REINFORCED WITH #4 BARS AT 12" O.C. EACH WAY, CENTERED.

CONCRETE FOR ENTIRE FLOOR SLAB SHALL BE CAST IN SINGLE POUR. CONSTRUCTION JOINTS ARE NOT ALLOWED.

BLOCKOUTS FOR COLUMNS AND BRACING ARE NOT ALLOWED. ALL STEEL COLUMNS AND BRACING SHALL BE SET PRIOR TO CASTING 1ST FLOOR SLAB.

**CORNER BARS** = PROVIDE (2)-#4 BARS 4'-0" LONG TOP AT ALL RE-ENTRANT (INSIDE) CORNERS OF SLAB.

SEE TYP. DETAIL FOR ADDITIONAL REINFORCEMENT AT SLAB OPENINGS.

SLOPE SLAB AT ALL FLOOR DRAINS (NOT SHOWN). RE: MECHANICAL/PLUMBING DRAWINGS FOR LOCATIONS OF FLOOR DRAINS. SEE GENERAL NOTES FOR MORE INFORMATION.

**BP-1** = INDICATES COLUMN BASE PLATE TYPE 1, TYP. SEE SCHEDULE FOR BASE PLATE AND ANCHOR BOLT INFORMATION, RE: 2/S4.2.

**BF-A** = INDICATES BRACED FRAME TYPE "A". TYP. SEE ELEVATIONS FOR BRACE INFORMATION.

= 600S162-54 AT 16" O.C. CFMF NON-LOAD BEARING STUD EXTERIOR WALL. RE: TYP. DETAILS, GENERAL NOTES AND SPECS. RE: ARCH. DRAWINGS.

= 362S162-43 AT 16" O.C. CFMF NON-LOAD BEARING, INTERIOR STUD WALL. PARTITIONS RE: TYP. DETAILS, GENERAL NOTES AND SPECS. RE: ARCH. DRAWINGS.

## NOTE A:

BOTTOM OF BASE PLATE = EL. -3' - 10" ON 2" NON-SHRINK GROUT. COORD. WALL REINF. WITH COLS. STOP HORIZ. WALL REINF. AS REQUIRED AND PROVIDE LAP BARS EA. SIDE OF COL. RE: 1/S4.2 SIM.

## BASE PLATE NOTE:

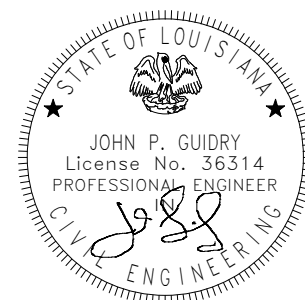
BOTTOM OF ALL BASE PLATES = EL. -0' - 6" ON 2" NON-SHRINK GROUT-TYP. U.N.O.

# SAINT PAUL THE APOSTLE CATHOLIC CHURCH NEW CHURCH OFFICE BUILDING

6828 CHEF MENTEUR HWY.  
NEW ORLEANS, LA 70126

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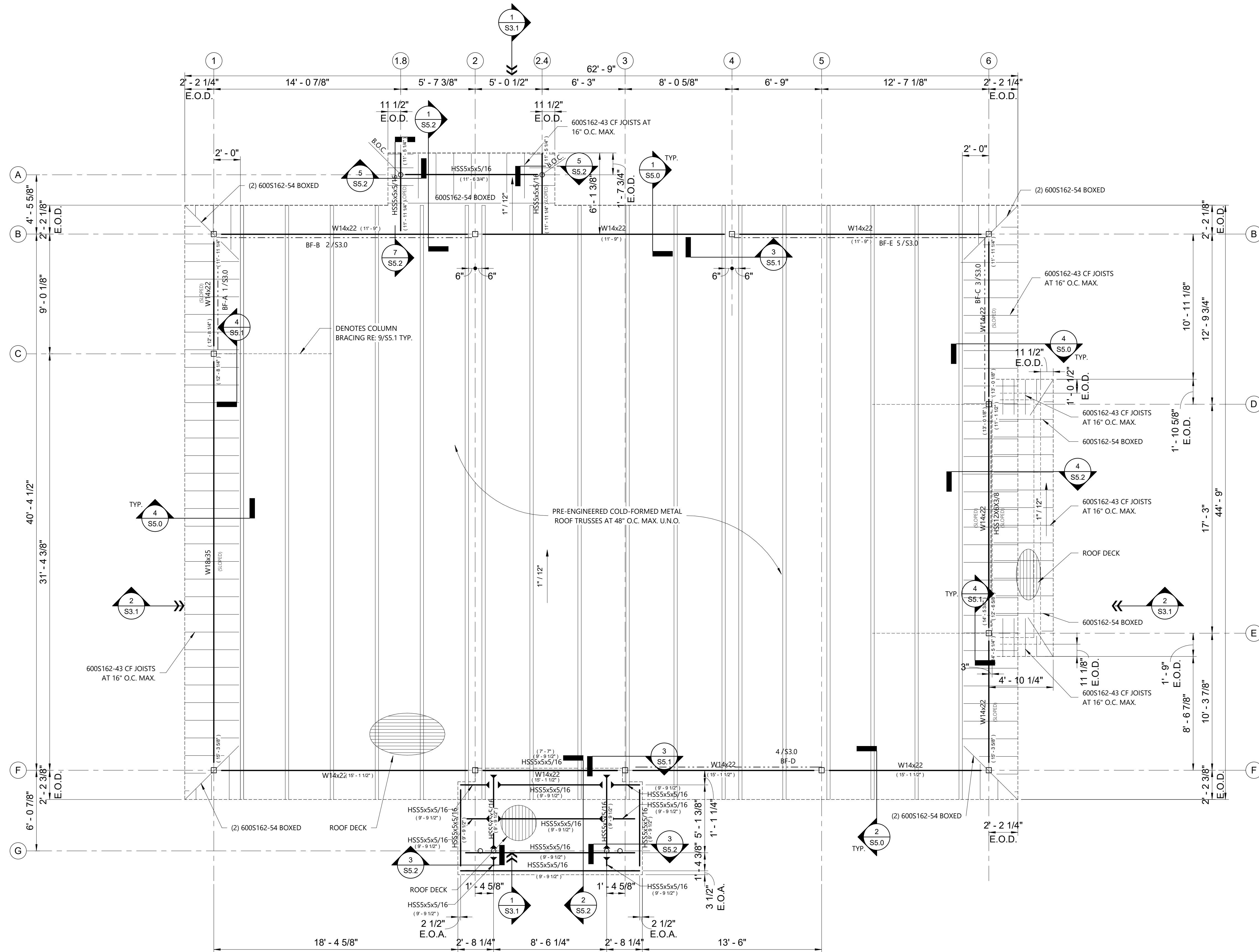
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S1.1



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**1 ROOF FRAMING PLAN**  
1/4" = 1'-0"

**ROOF FRAMING PLAN NOTES AND LEGEND:**

ROOF DECK = 1.5B 20 GAGE GALV. METAL ROOF DECK.

E.O.A. = EDGE OF ANGLE. PROVIDE CONTINUOUS EDGE ANGLE ALONG EDGES WHERE THIS DIMENSION IS INDICATED. SEE 5/SS.2.

E.O.D. = EDGE OF DECK. EDGE ANGLE IS NOT REQUIRED ALONG EDGES WHERE THIS DIMENSION IS INDICATED.

SEE TYPICAL DETAILS AND GENERAL NOTES FOR TRUSS BRACING AND BLOCKING AND OTHER DESIGN REQUIREMENTS.

FOR ALL MECHANICAL ROOF TOP UNITS, PROVIDE SUPPORT FRAMING AT EDGES AND OPENINGS PER DETAIL 9/SS.0 FOR MORE INFORMATION.

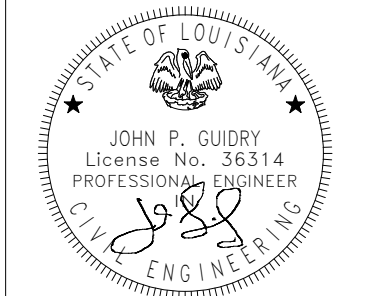
PRE-ENG. COLD-FORMED TRUSS SUPPLIER TO PROVIDE PRE-ENG. COLD-FORMED BLOCKING TRUSSES IN EVERY TRUSS BAY BETWEEN ROOF TRUSSES TO TRANSMIT A 100 PLF ULTIMATE WIND LATERAL SHEAR FORCE FROM THE METAL ROOF DECK DIAPHRAGM TO THE TOP OF THE STEEL FRAMING. RE: DETAILS.

— = MOMENT CONNECTION, RE: 7/SS.1.

**SAINT PAUL THE APOSTLE CATHOLIC CHURCH  
NEW CHURCH OFFICE BUILDING**

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**S2.0**

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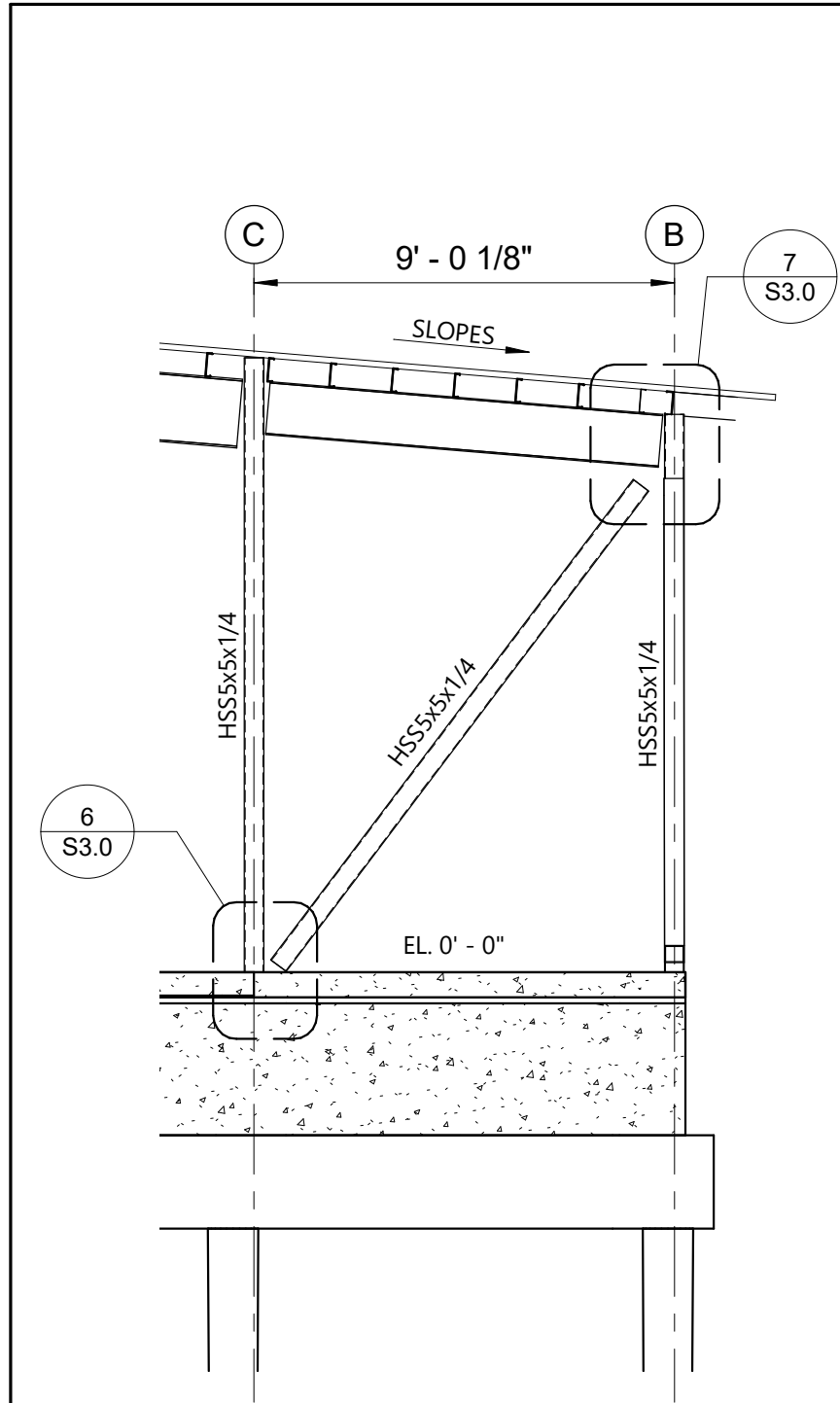
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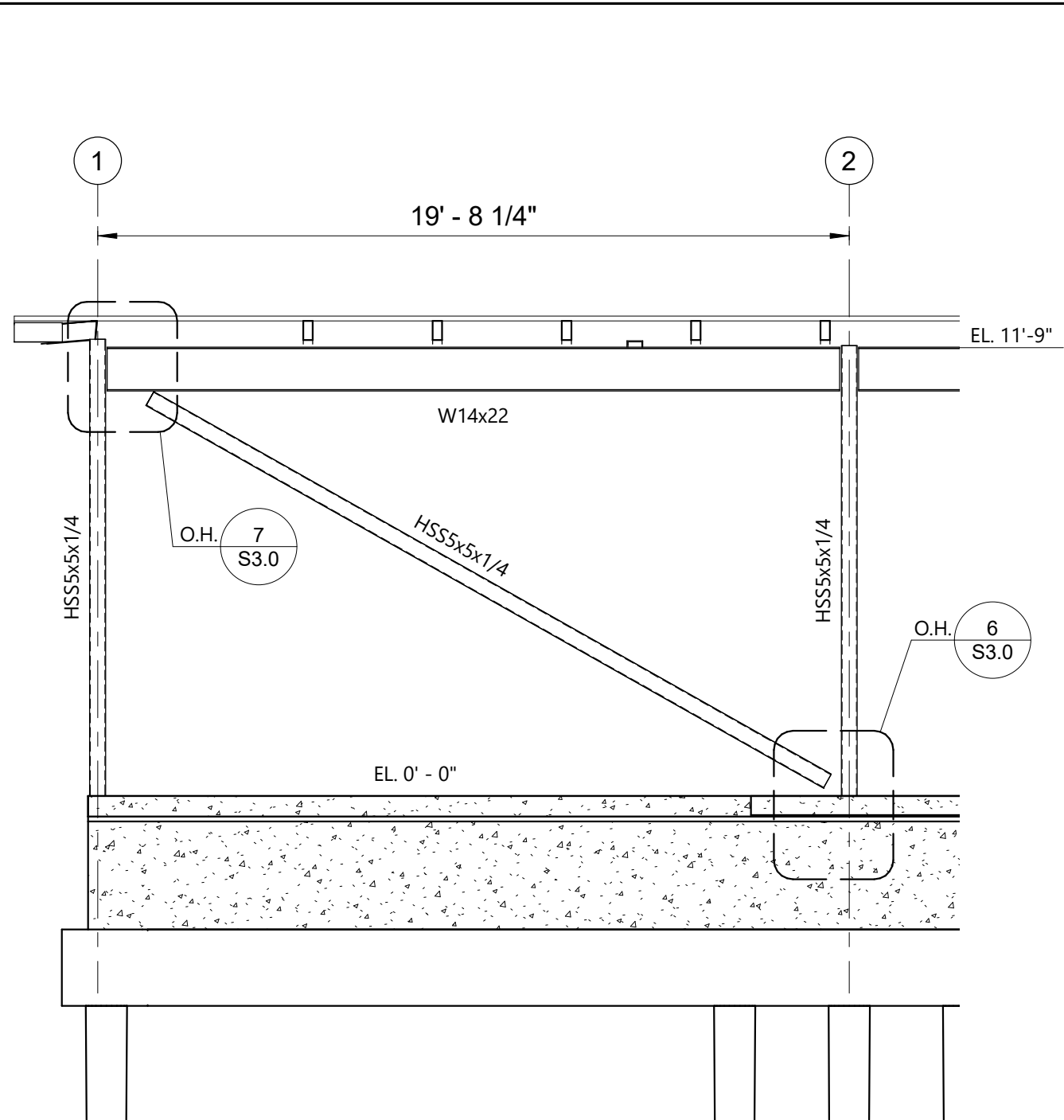
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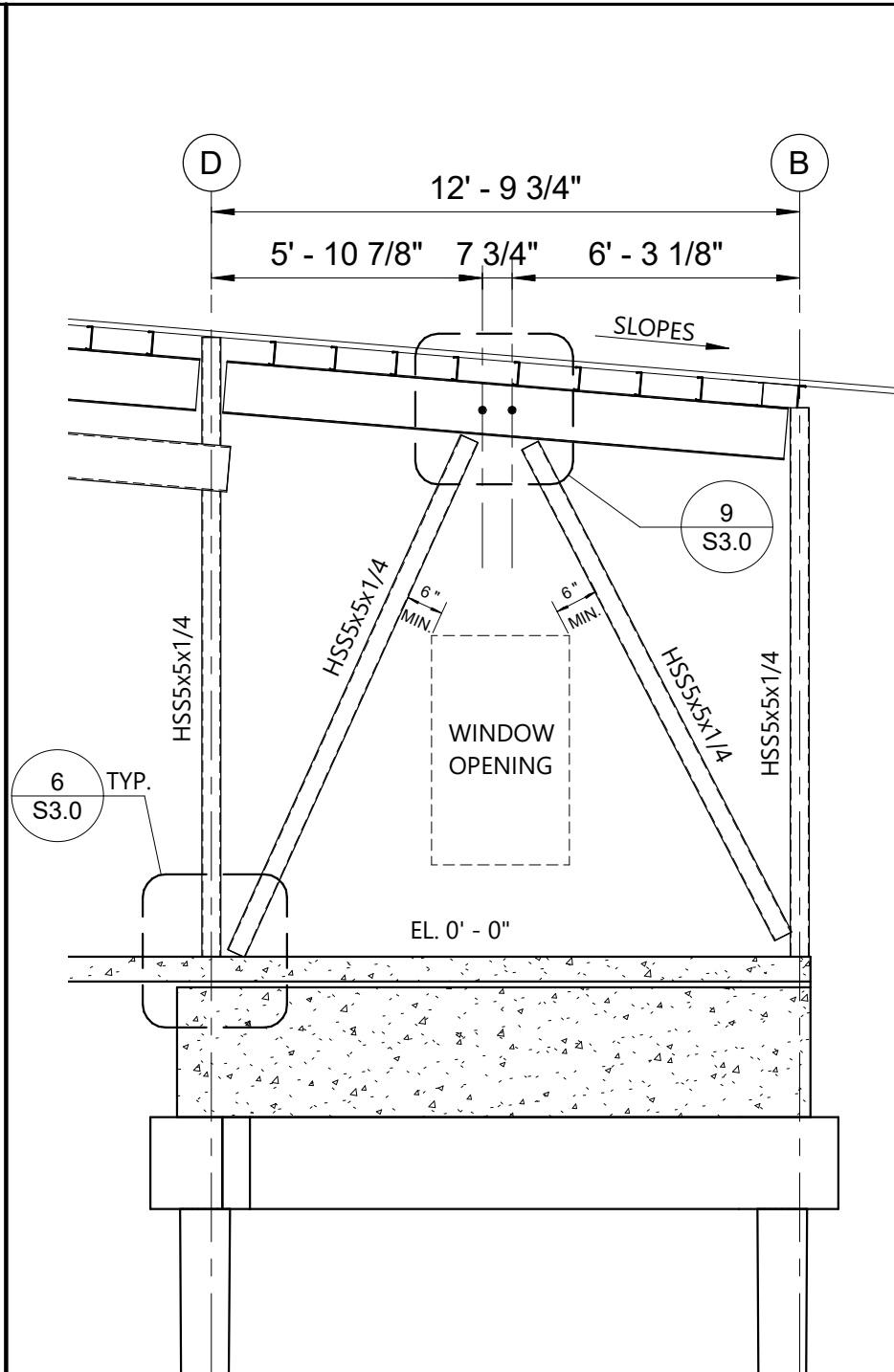




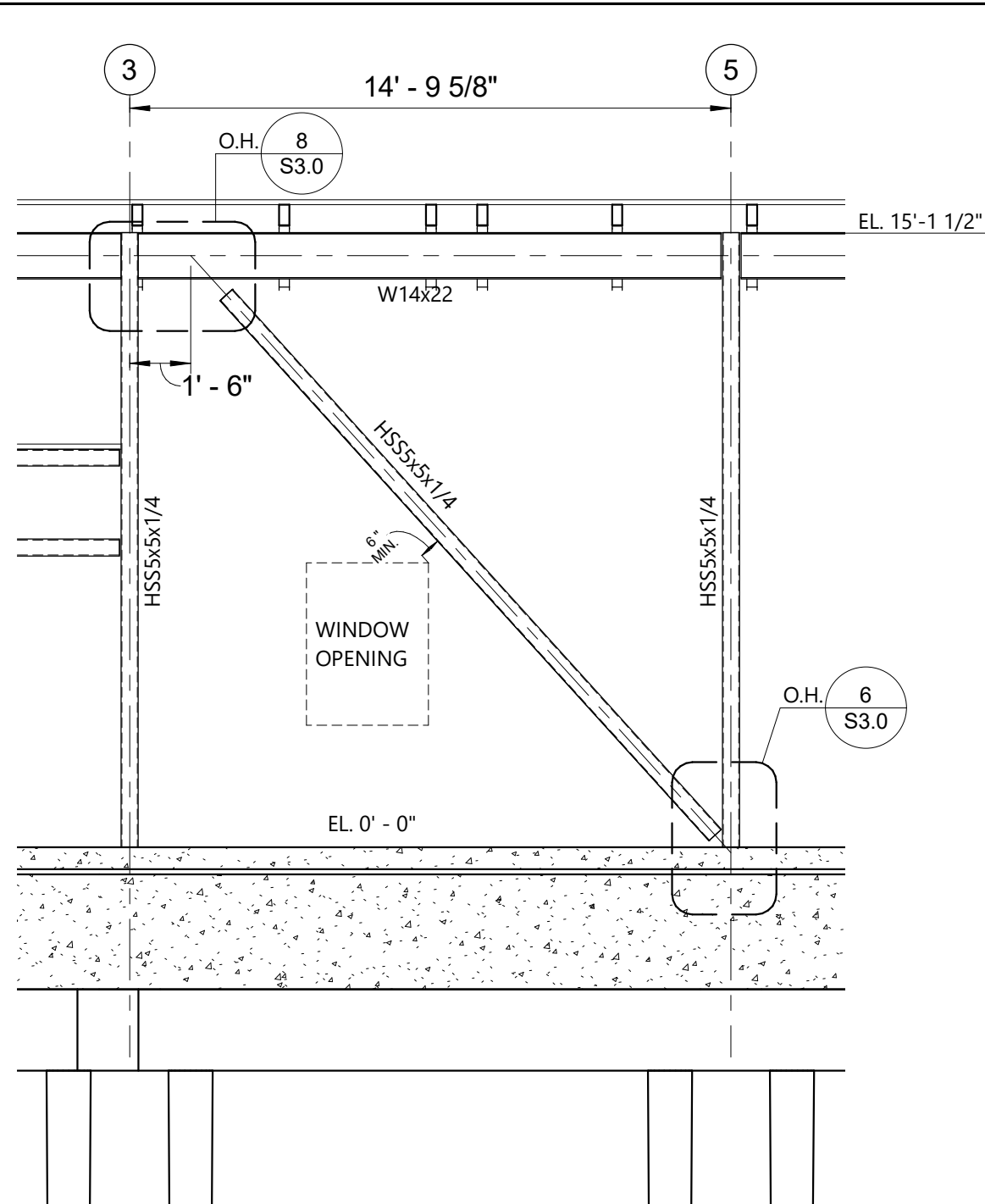
**1** BF-A ELEVATION  
1/4" = 1'-0" (GRID LINE 1)



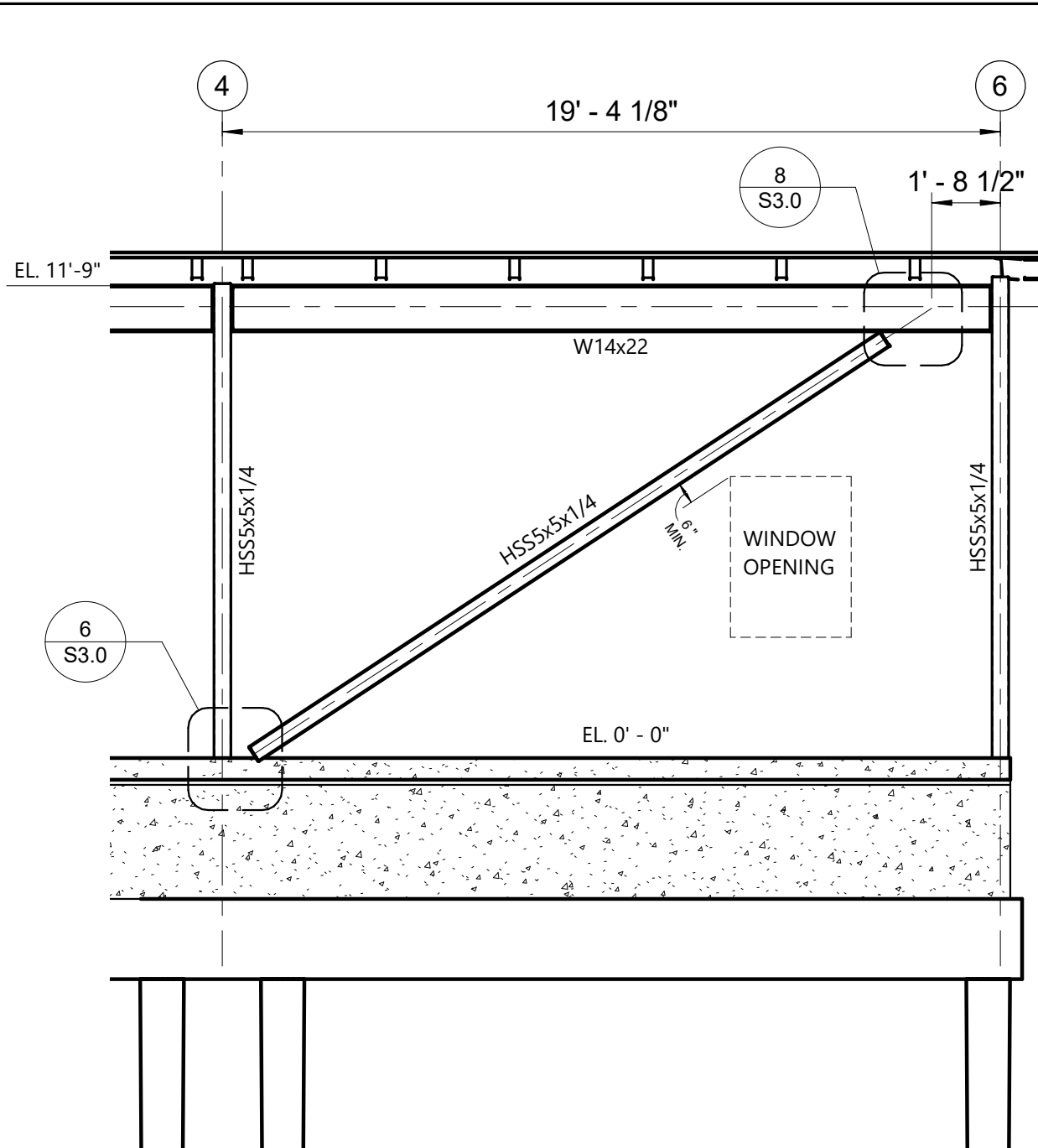
**2** BF-B ELEVATION  
1/4" = 1'-0" (GRID LINE B)



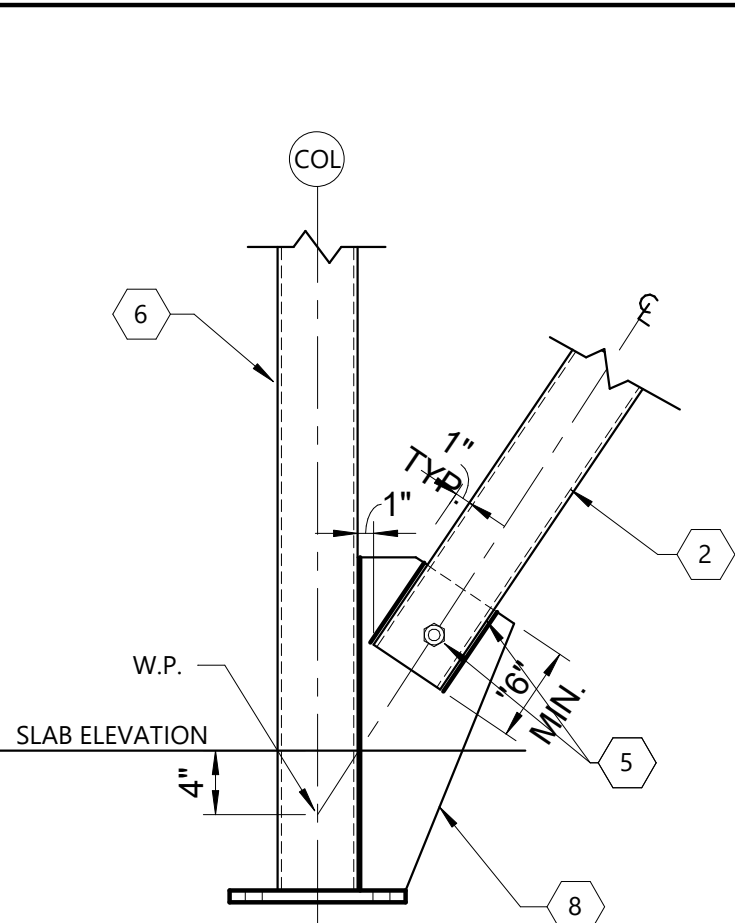
**3** BF-C ELEVATION  
1/4" = 1'-0" (GRID LINE 6)



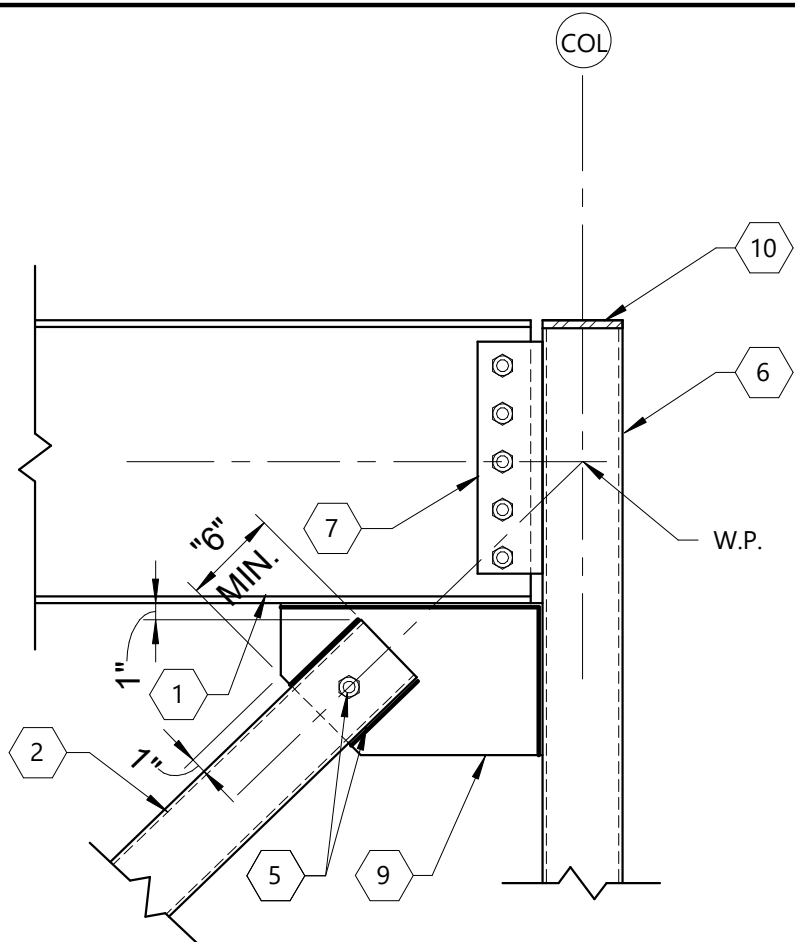
**4** BF-D ELEVATION  
1/4" = 1'-0" (GRID LINE F)



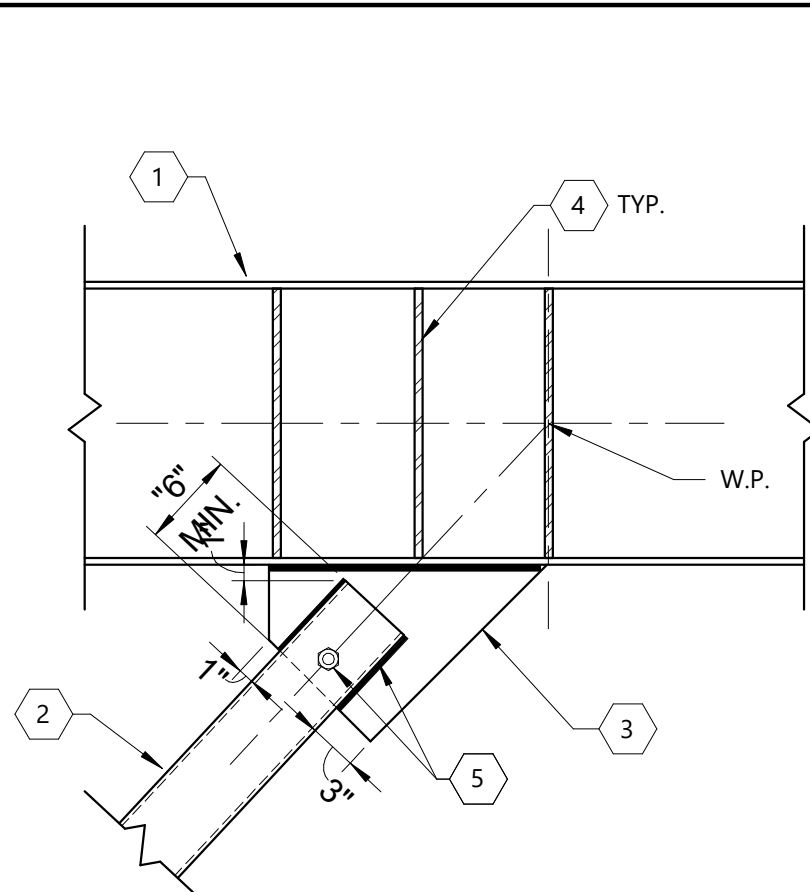
**5** BF-E ELEVATION  
1/4" = 1'-0" (GRID LINE B)



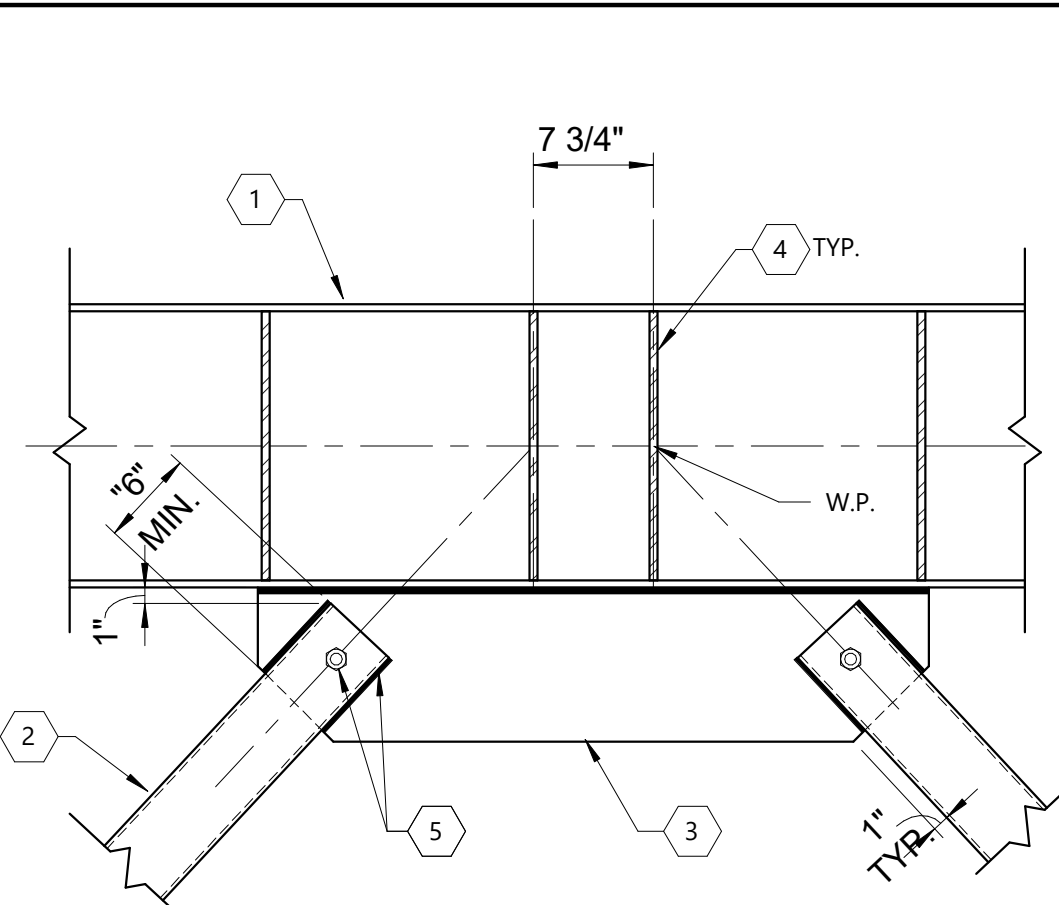
**6** Brace Detail At Base  
1" = 1'-0"



**7** Brace Detail At HSS Col.  
1" = 1'-0"

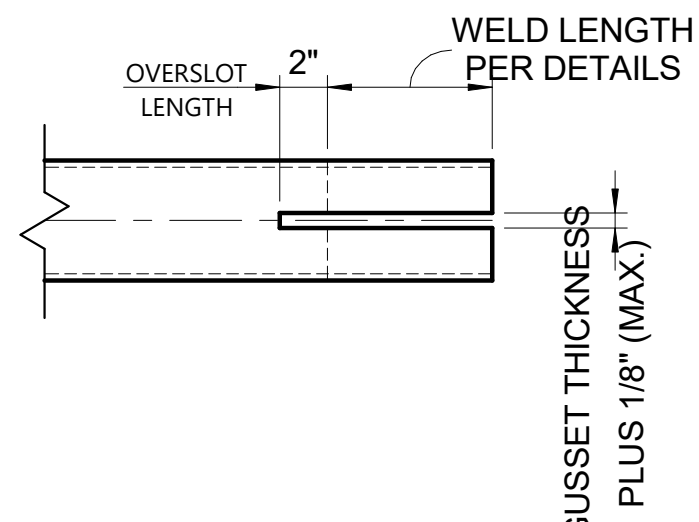


**8** Brace To WF Beam  
1" = 1'-0"



**9** Brace Detail  
1" = 1'-0"

**SLOT DIAGONAL BRACE:**  
ALL SLOTS SHALL BE UP TO 1/8" WIDER THAN ASSOCIATED GUSSET PLATE THICKNESS. SLOTS MAY BE 2" LONGER (MAX.) THAN ASSOCIATED CONNECTION. LENGTH TO ALLOW FOR FIELD ERECTION.



**10** Diagonal Brace Slot Detail  
1 1/2" = 1'-0"

Keynote Legend

- STEEL BEAM - SEE PLAN FOR SIZE.
- DIAGONAL BRACE MEMBER - SEE ELEVATIONS FOR SIZE.
- 5/8" THICK GUSSET PLATE SHOP WELDED TO BEAM WITH CONTINUOUS 3/16" FILLET WELD EACH SIDE OF PLATE.
- 3/8" WEB STIFFENER BOTH SIDES OF BEAM WEB. WELD CONTINUOUS BOTH SIDES WITH 3/16" FILLET WELD.
- (1)-3/4" DIA. A325-N BOLT FOR ERECTION. FIELD WELD TUBE TO PLATE ALL AROUND ON BOTH SIDES OF PLATE WITH 1/4" FILLET WELD. PROVIDE 15/16" DIA. HOLES IN BRACE AND GUSSET PLATE.
- STEEL COLUMN - SEE PLAN FOR SIZE.
- STANDARD SINGLE PLATE BEAM CONNECTION. RE: TYPICAL BEAM TO HSS COLUMN CONNECTION SCHEDULE AND DETAIL.
- 5/8" THICK GUSSET PLATE SHOP WELDED TO COLUMN AND BASE PLATE WITH CONTINUOUS 3/16" FILLET WELD EACH SIDE OF PLATE.
- 5/8" THICK GUSSET PLATE SHOP WELDED TO BEAM WITH CONTINUOUS 3/16" FILLET WELD EACH SIDE OF PLATE. FIELD WELD TO COLUMN WITH CONTINUOUS 1/4" FILLET WELD ON EACH SIDE OF PLATE.
- 1/2" CAP PLATE.

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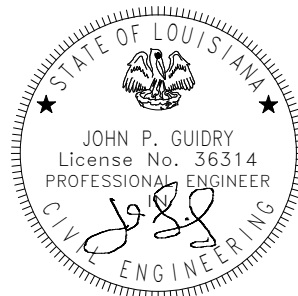
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DOCUMENTS

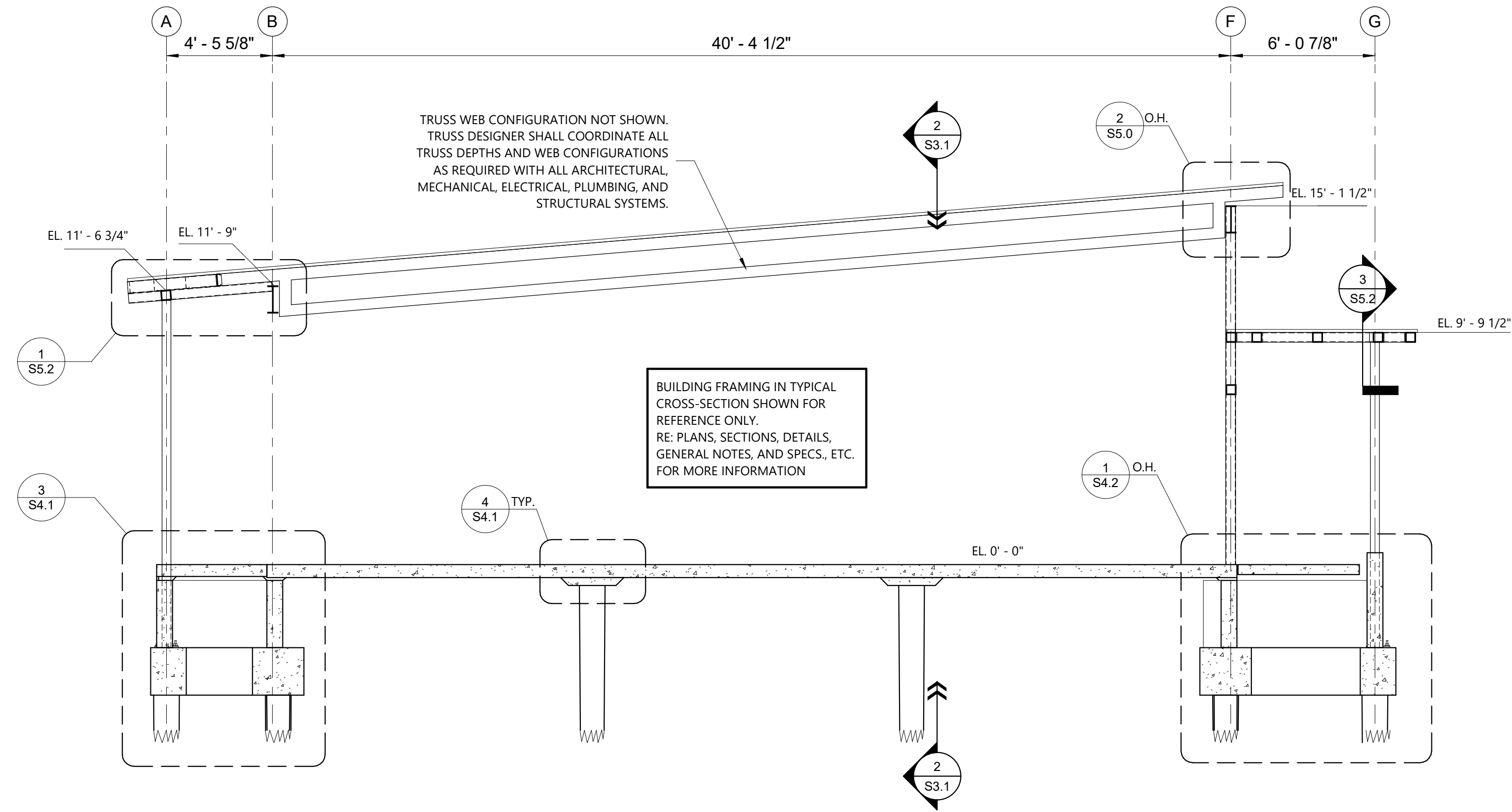
project no. 2019008.00  
date 9/15/2023  
designed by OC  
drawn by RD  
checked by TS/DD  
revised



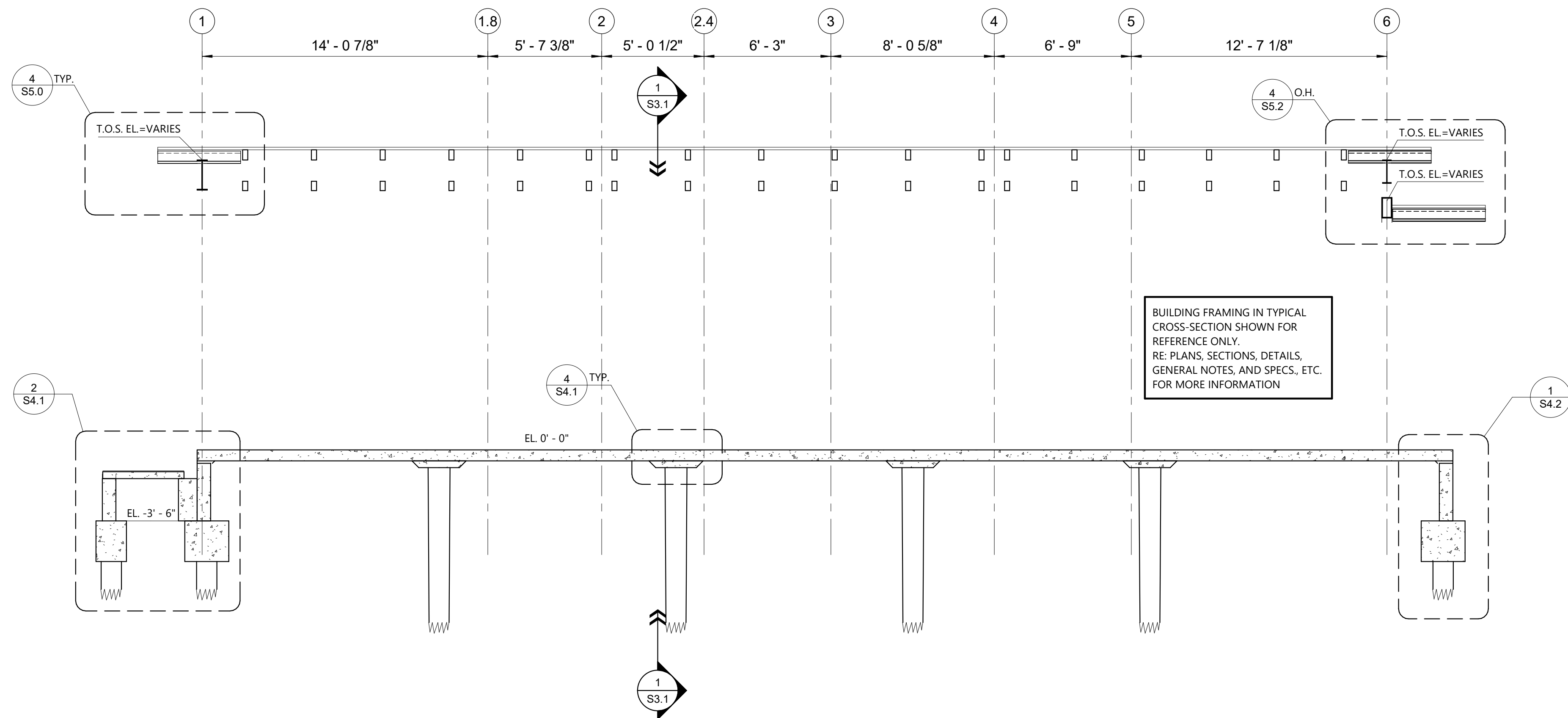
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S3.0





**1** TYPICAL BUILDING TRANSVERSE CROSS - SECTION  
1/4" = 1'-0"



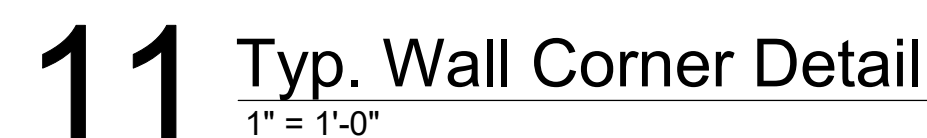
**2** TYPICAL BUILDING LONGITUDINAL CROSS - SECTION  
1/4" = 1'-0"

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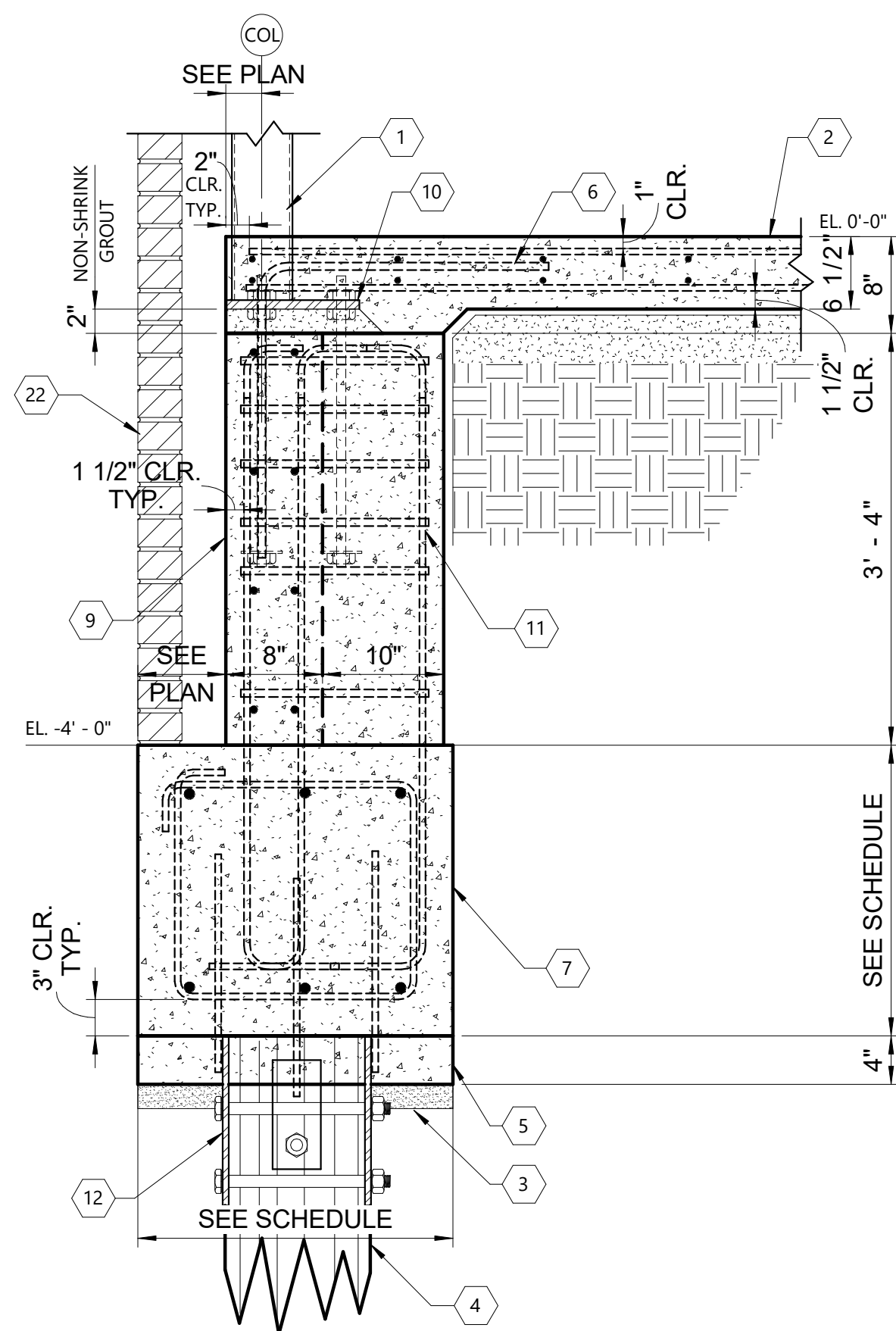
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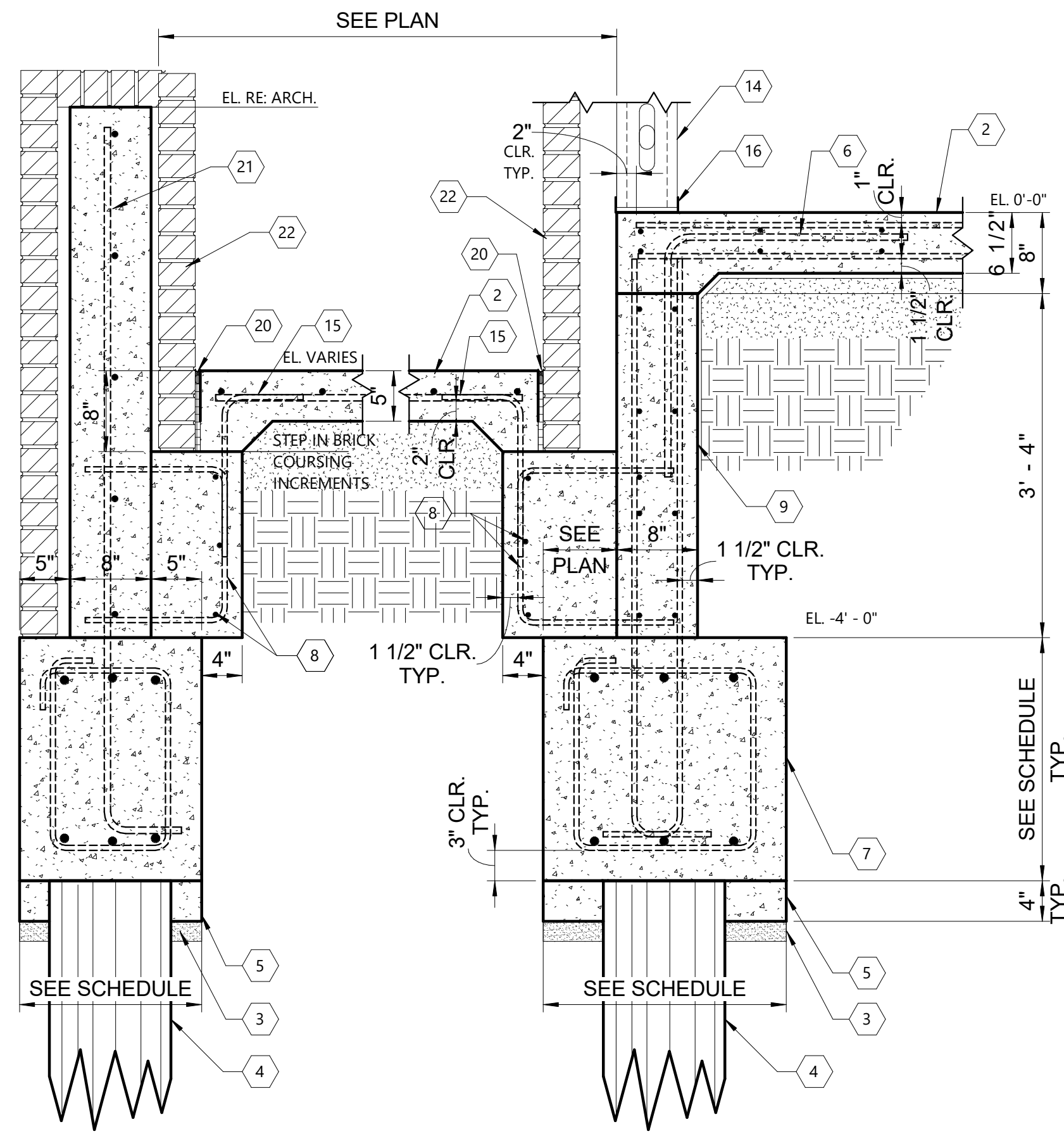




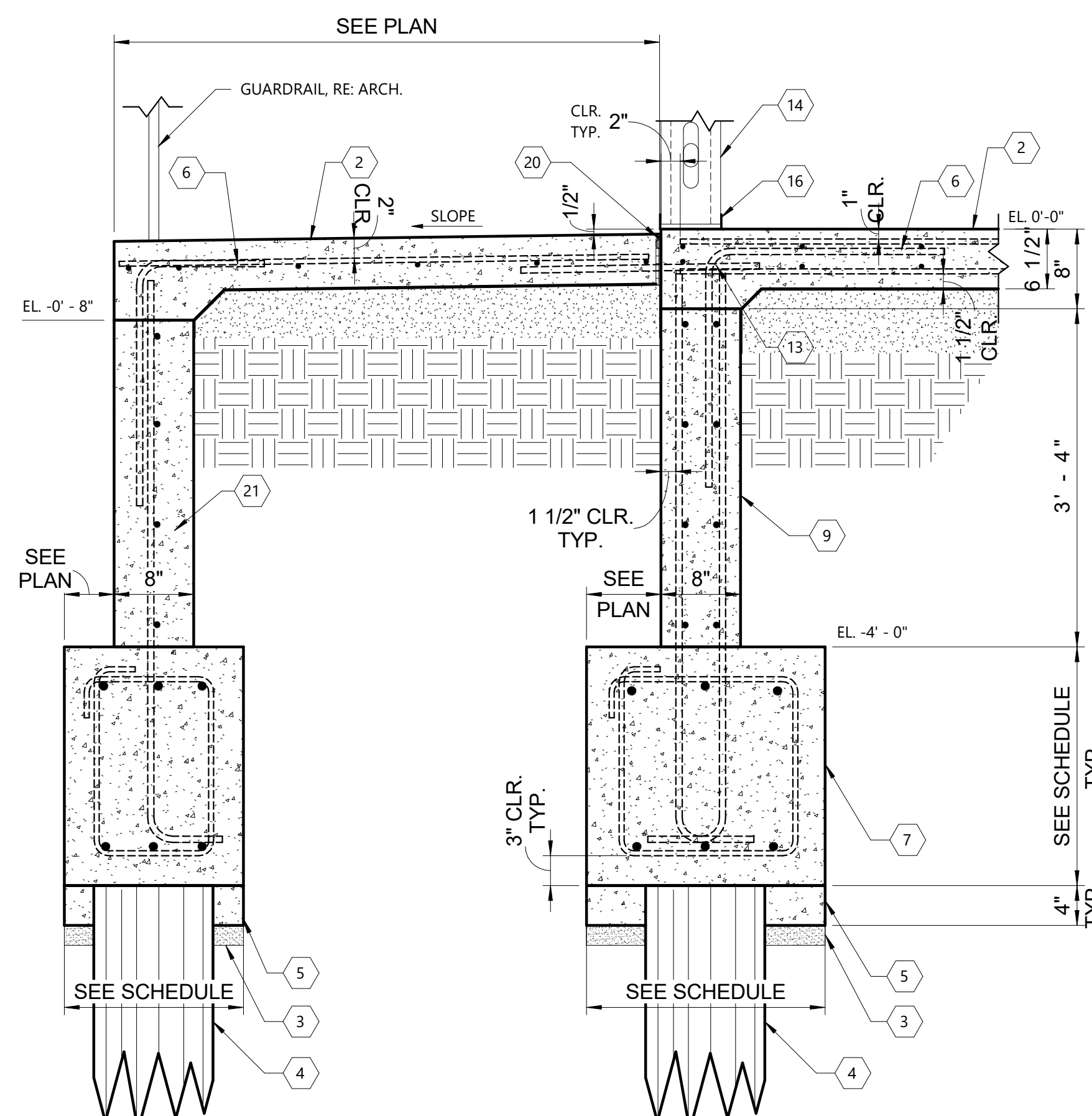




**1** Typ. Section At Column  
1" = 1'-0"

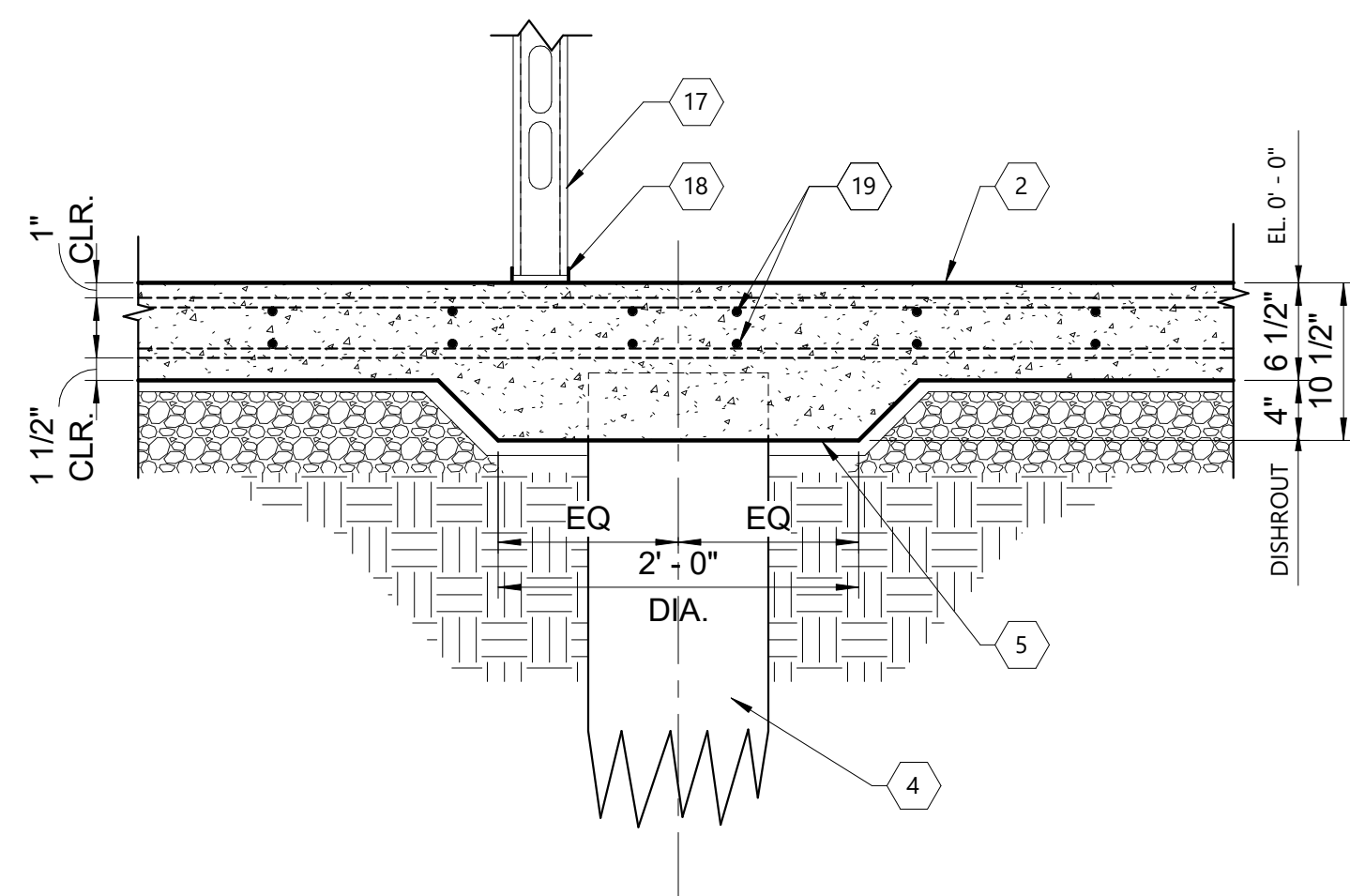


**2** Detail At Exterior Ramp  
1" = 1'-0"

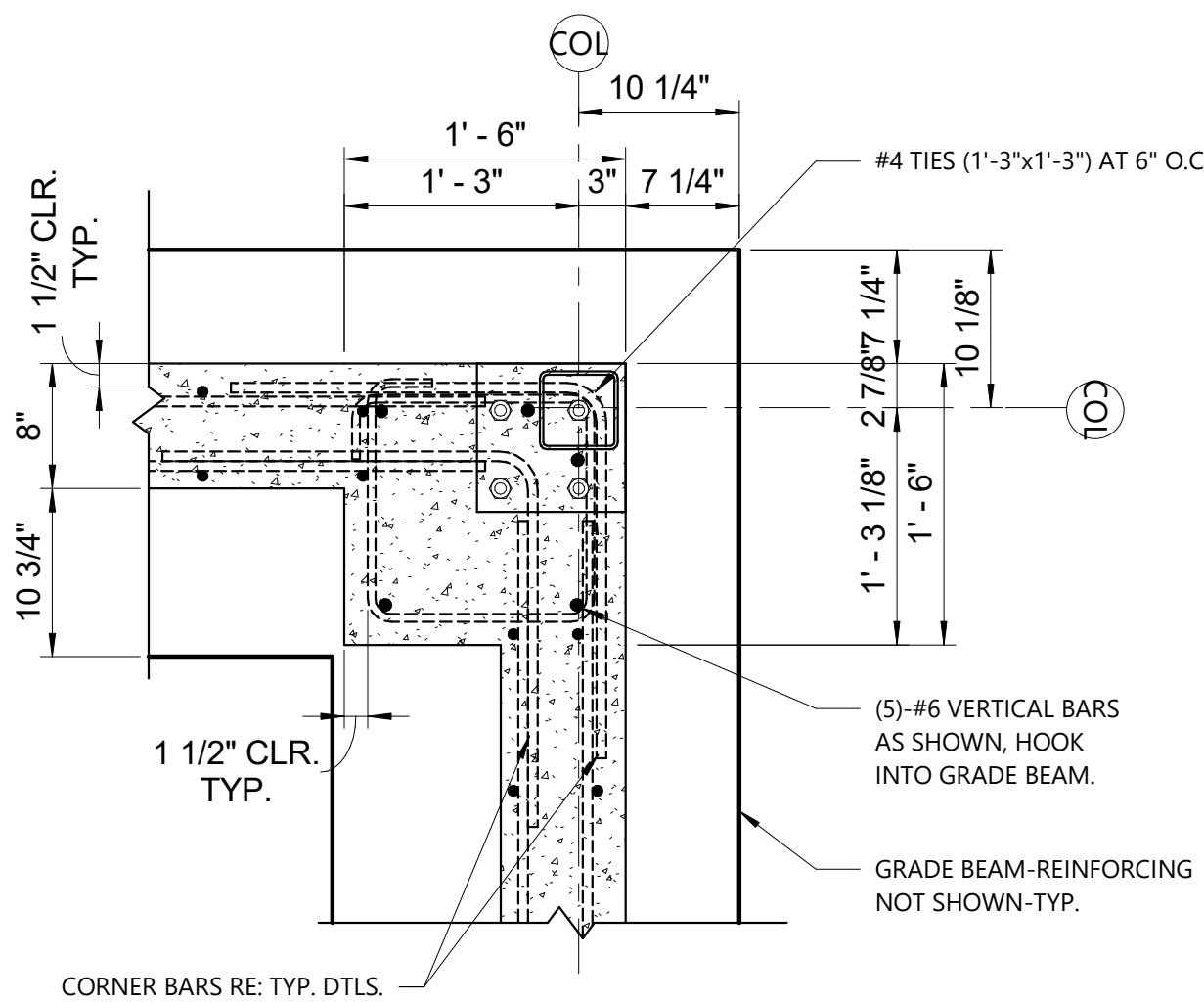


**3** Detail At Porch Landing  
1" = 1'-0"

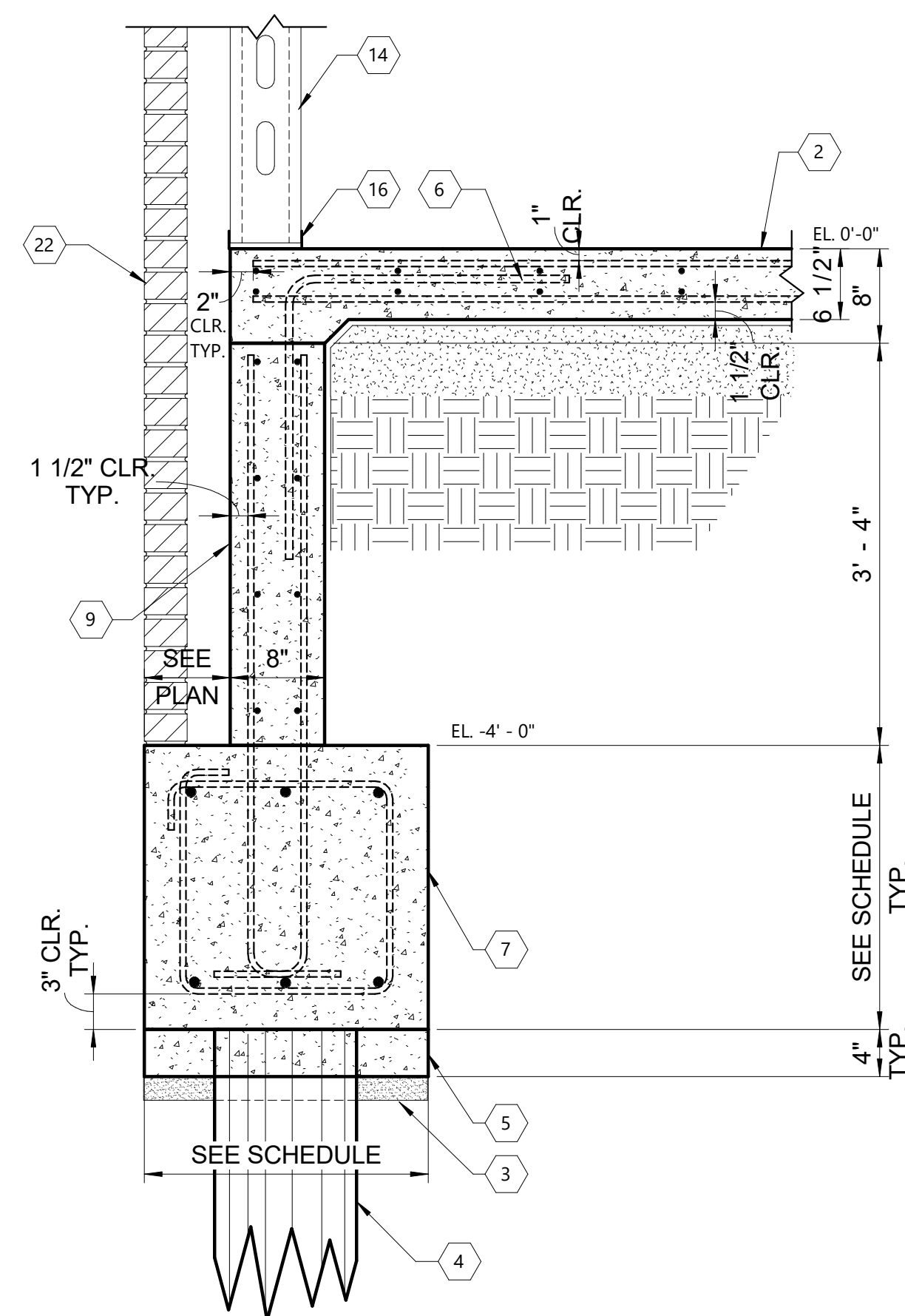
- ### Keynote Legend
- STEEL COLUMN - SEE PLAN FOR SIZE.
  - CONCRETE SLAB - SEE PLAN FOR MORE INFORMATION.
  - DRY BOTTOM, SEE FOUNDATION PLAN NOTES FOR MORE INFORMATION.
  - TIMBER PILE - SEE PLAN FOR INFORMATION.
  - PROVIDE A 4" DEEP x 24" LONG DISHOUT AT EACH PILE.
  - SLAB #5 L-BAR DOWELS (a=24", b=24") AT 24" O.C., DECREASE SPACING TO 12" O.C. BETWEEN BRACED FRAME COLUMNS.
  - GRADE BEAM - SEE SCHEDULE FOR SIZE AND REINFORCEMENT.
  - #4 @12" O.C. CONTINUOUS WITH #4 HAIRPINS AT 12" O.C.
  - 8" THICK CONCRETE WALL REINFORCED WITH #4 BARS AT 12" O.C. EACH WAY EACH FACE.
  - BASE PLATE AND ANCHOR BOLTS, RE: BASE PLATE SCHEDULE.
  - RECTANGULAR CONCRETE PEDESTAL. SEE PEDESTAL PLAN VIEW DETAILS FOR REINFORCEMENT.
  - TENSION PILE CONNECTOR, RE: 4/S4.0.
  - #5x24" LONG SMOOTH BAR DOWELS AT 16" O.C.
  - EXTERIOR CFMF STUD WALL, RE: SLAB PLAN. SEE SPECIFICATION 05 4000 FOR MORE INFORMATION.
  - SLAB #4 L-BAR DOWELS (a=16", b=8") AT 24" O.C.
  - 600T150-54 CONT. (2) #12 TEK SCREWS AT 12" O.C. TO CONT. 16GA. BENT PLA. 3" GA (STAGGERED IF REQUIRED).
  - INTERIOR CFMF STUD WALL, RE: SLAB PLAN. SEE SPECIFICATION 05 40 00 FOR MORE INFORMATION.
  - 362T150-43 CONTINUOUS TRACK - SEE TYP. DETAILS.
  - PROVIDE ADDITIONAL (2) -#6 CONTINUOUS TOP & BOTTOM BARS EACH WAY CENTERED OVER TIMBER PILES.
  - 1/2" EXPANSION JOINT, RE: ARCH.
  - 8" THICK CONCRETE WALL REINFORCED WITH #5 AT 12" O.C. EACH WAY, CENTERED IN WALL.
  - BRICK VENEER - RE: ARCH.



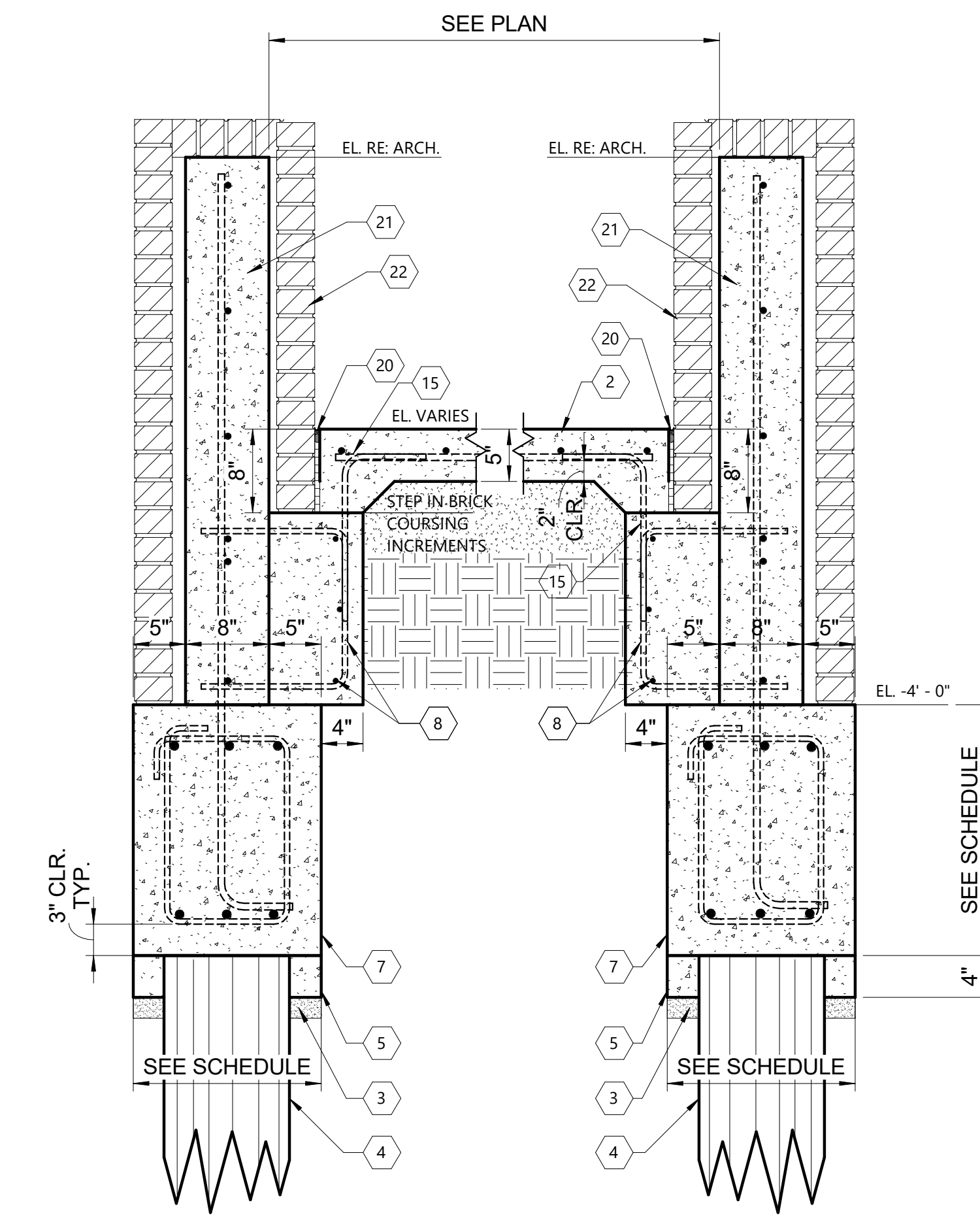
**4** Typ. Slab Section At Single Pile  
1" = 1'-0"



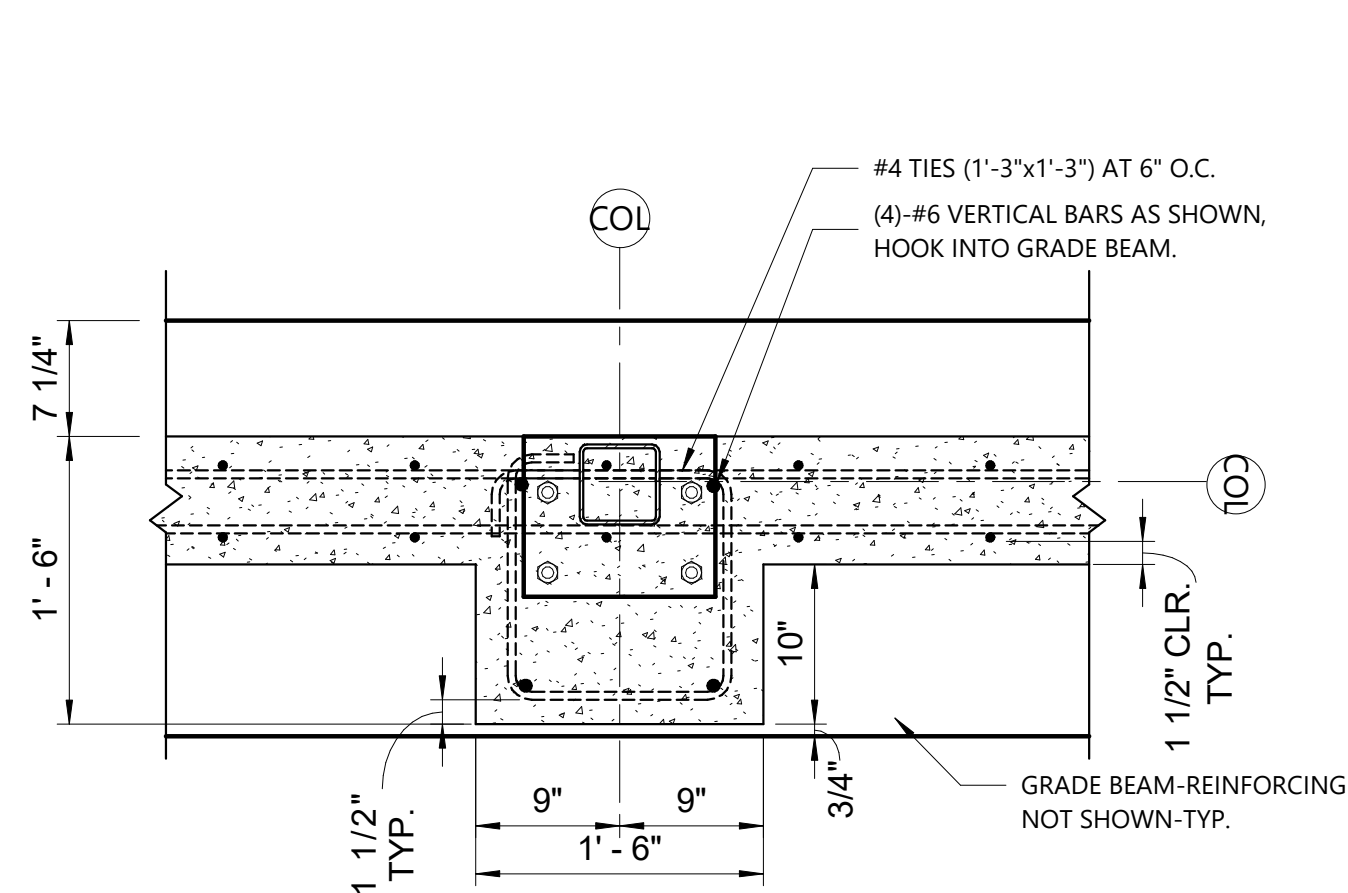
**5** Typ. Pedestal-Corner  
1" = 1'-0"



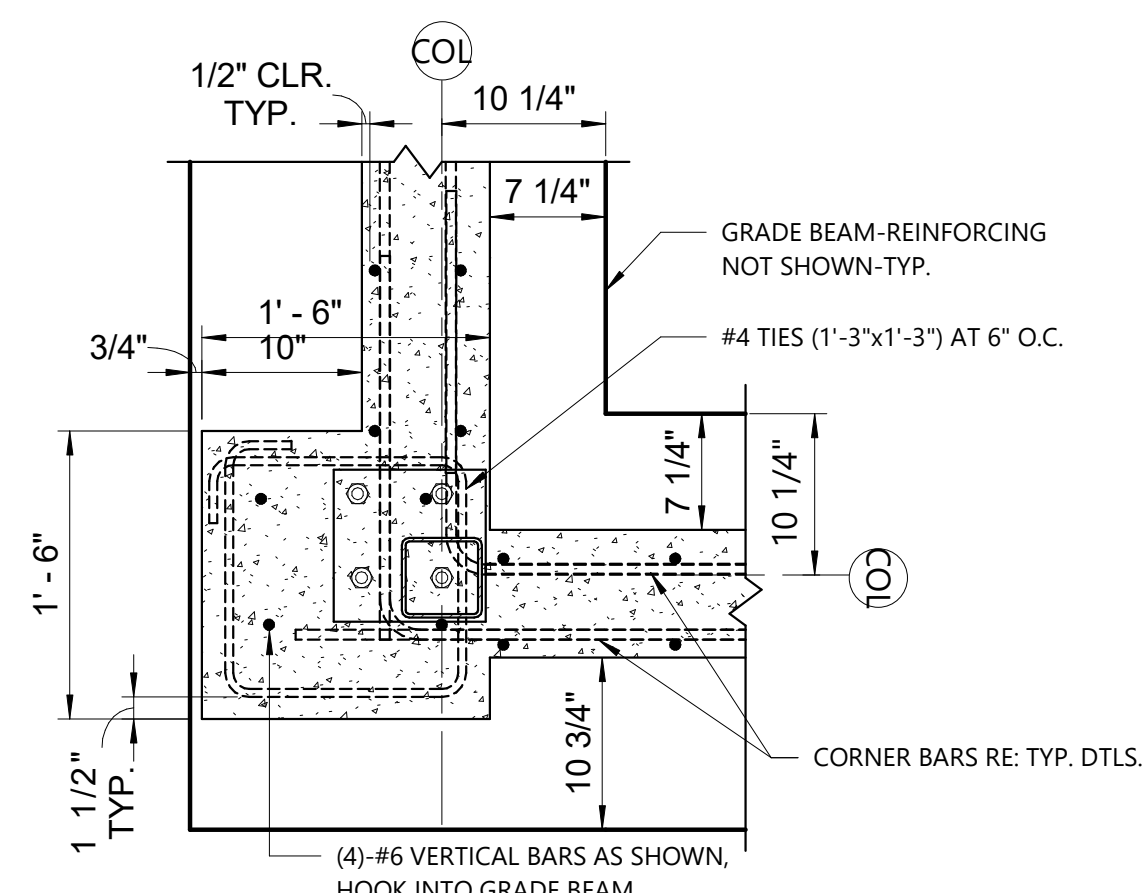
**8** Typ. Section At Slab Edge  
1" = 1'-0"



**9** Detail At Exterior Ramp  
1" = 1'-0"

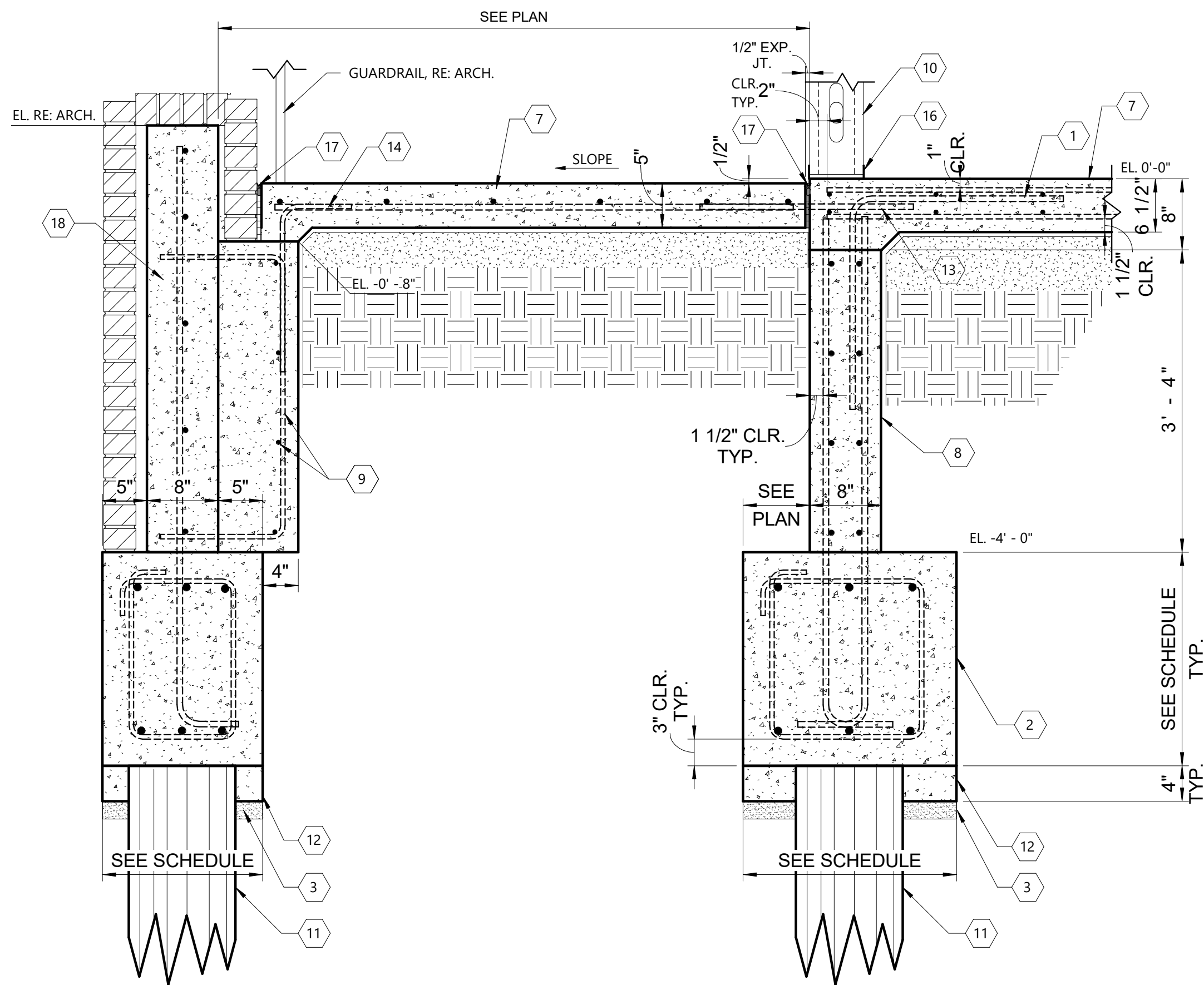


**6** Typ. Pedestal-Edge  
1" = 1'-0"

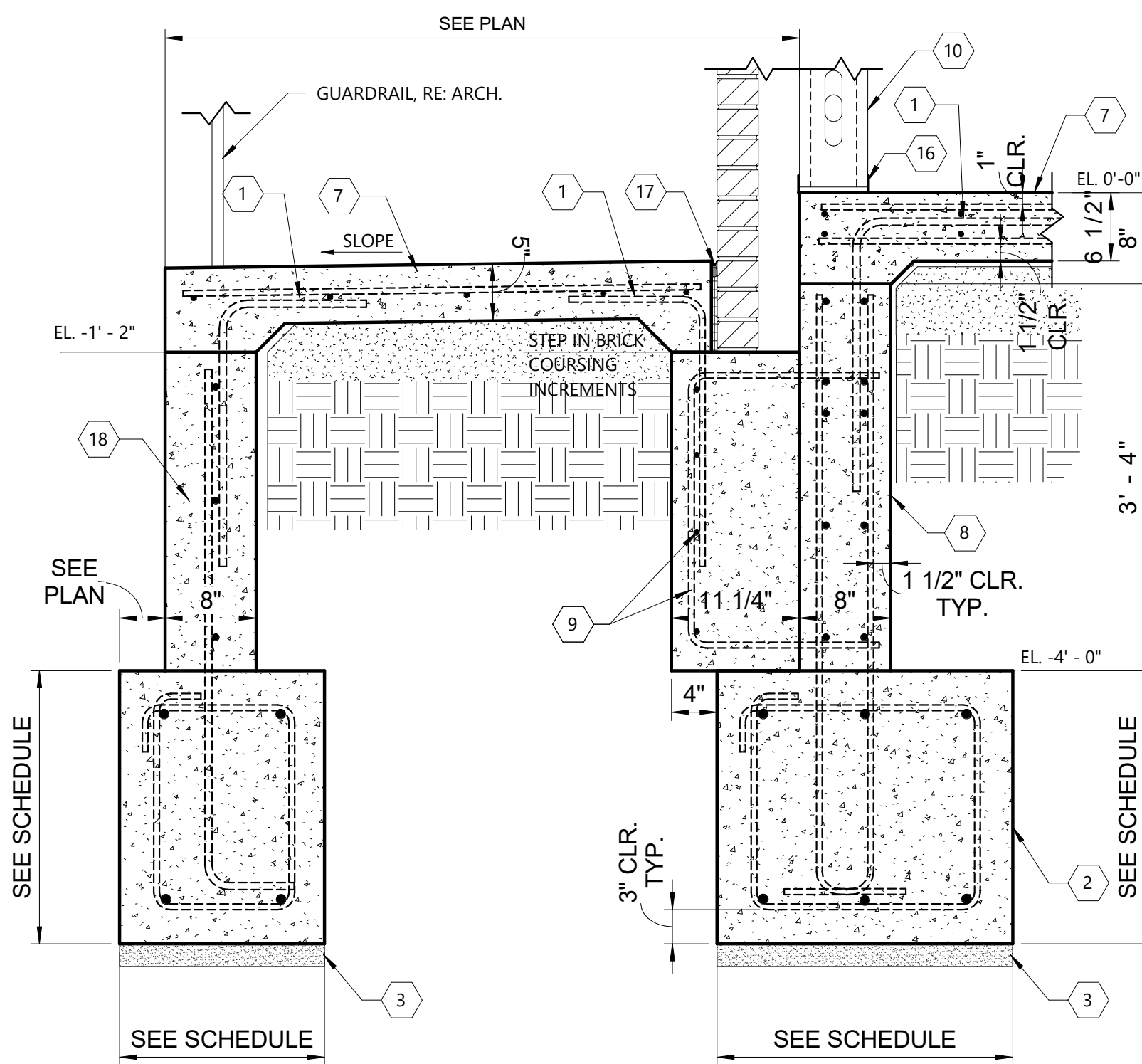


**7** Typ. Pedestal-Corner  
1" = 1'-0"

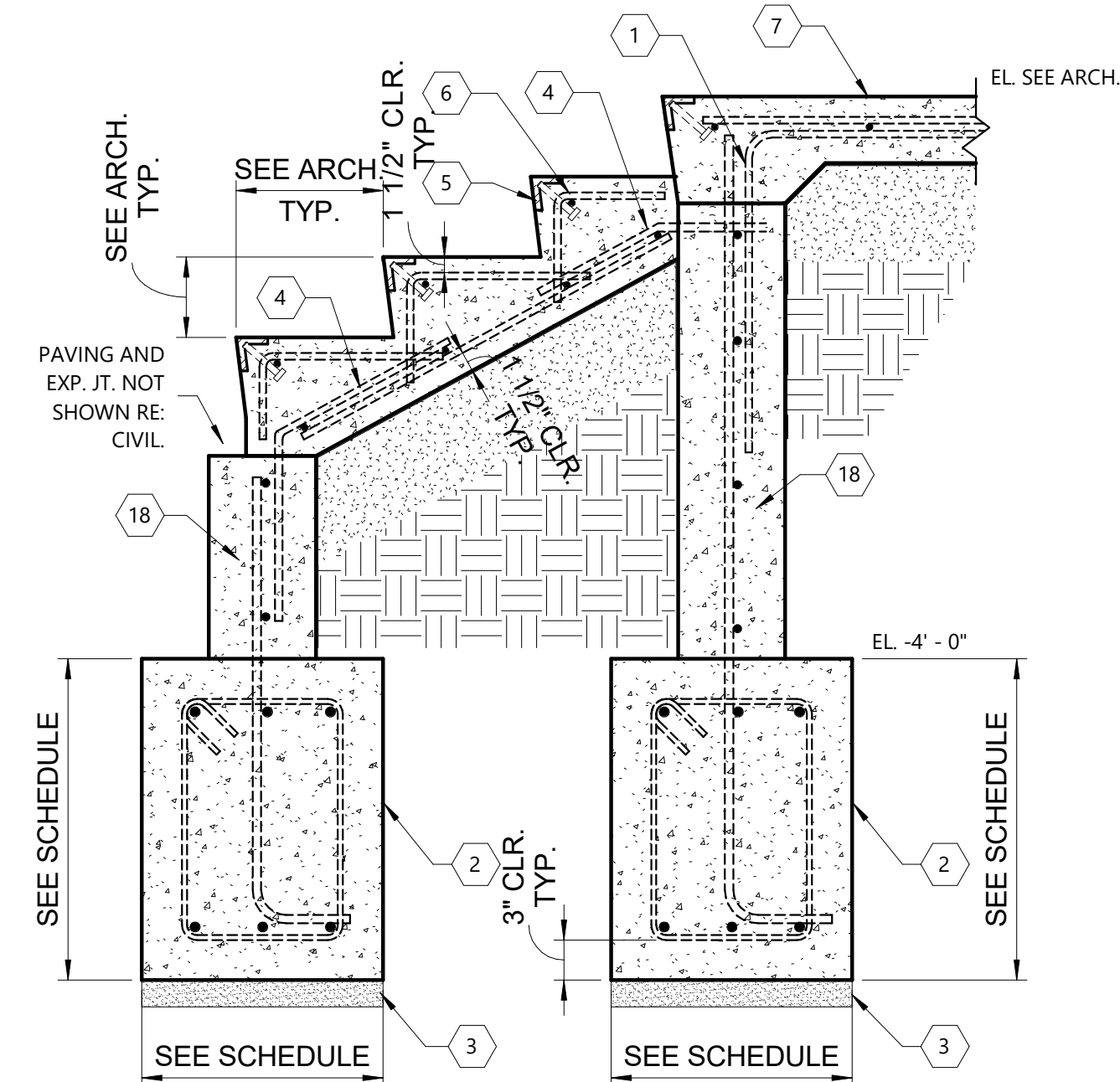




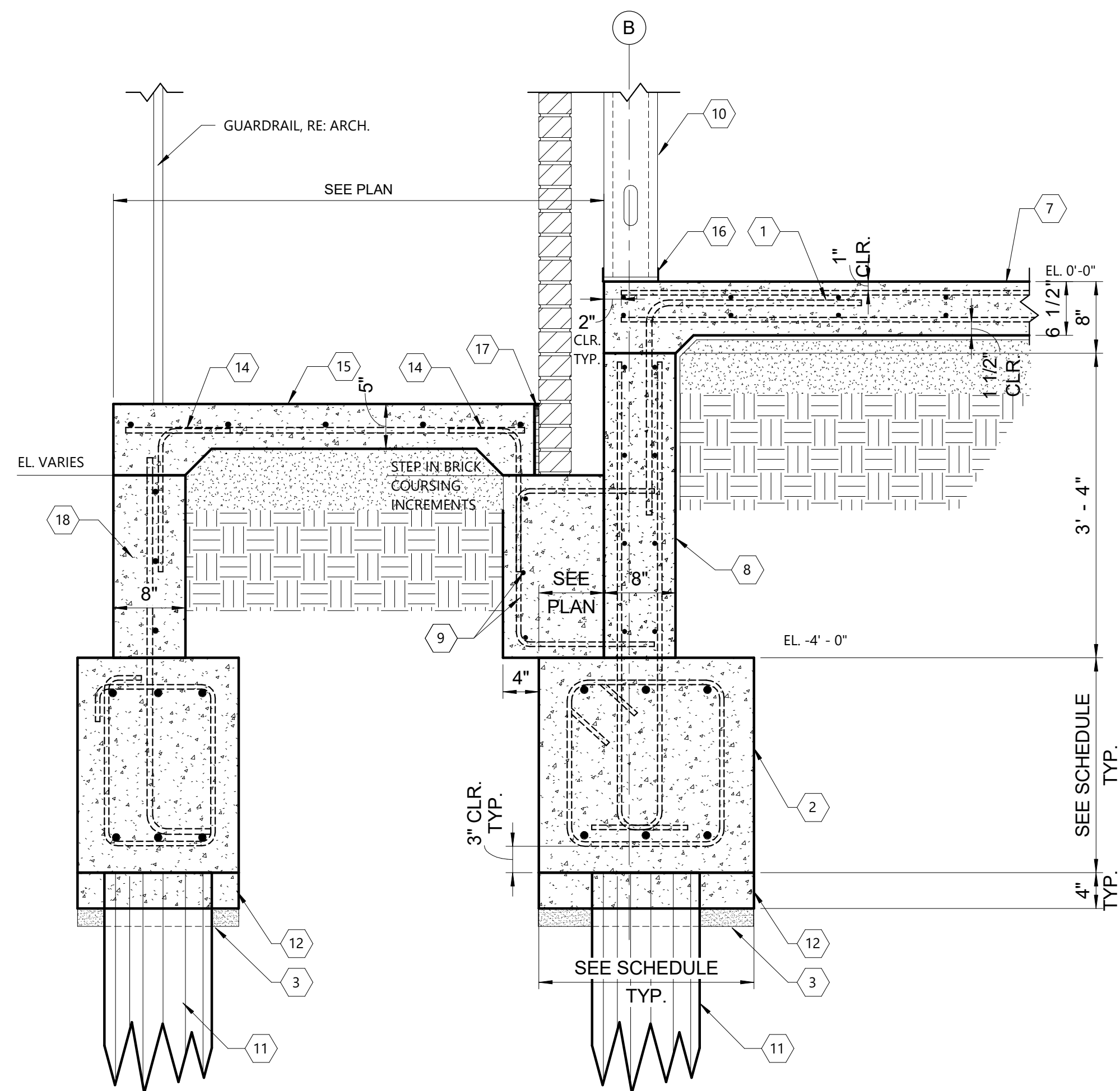
**1** Section At Porch  
1" = 1'-0"



**2** Section At Porch Equipment Platform  
1" = 1'-0"



**3** Typ. Concrete Stair Section  
1" = 1'-0"

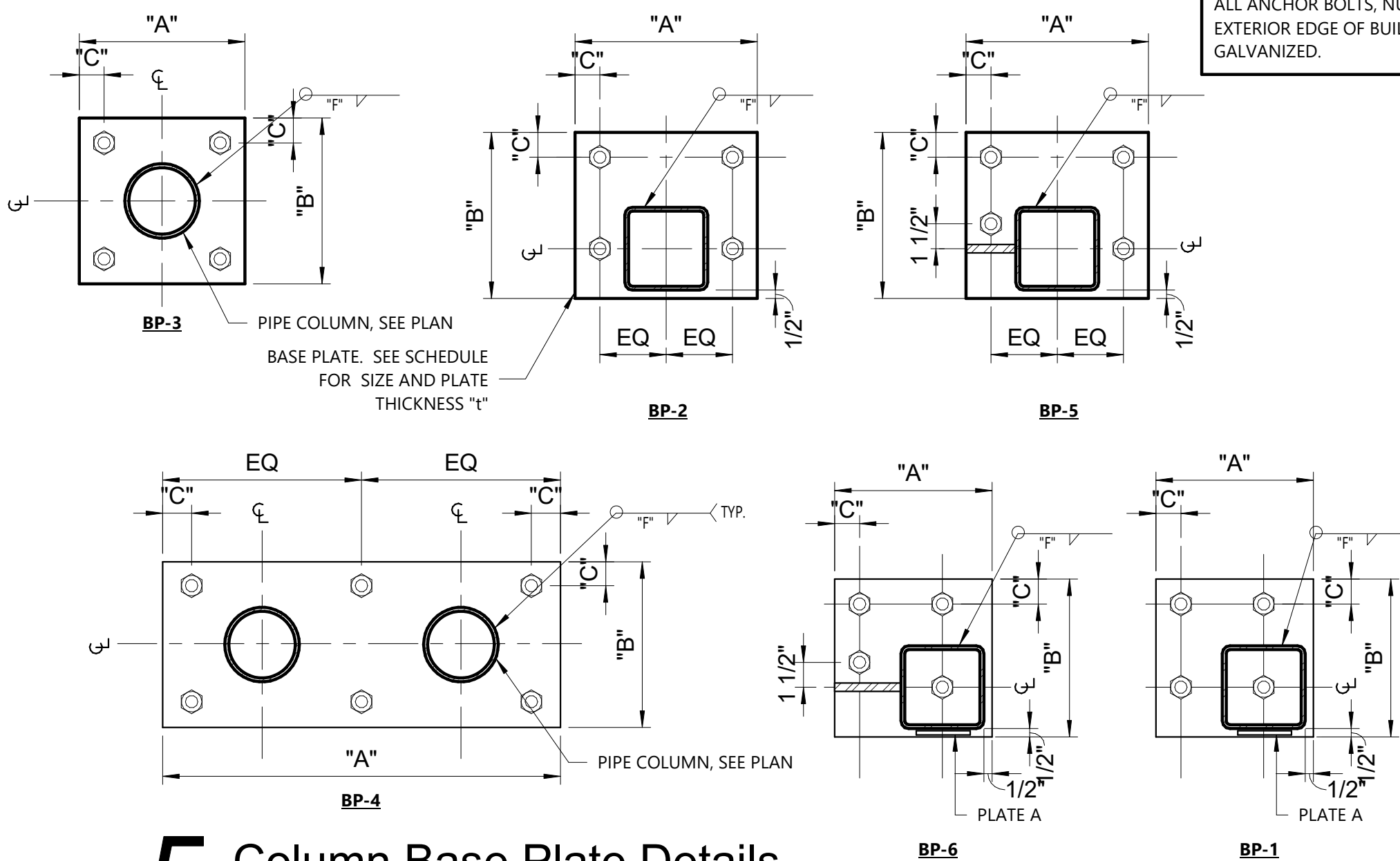


**4** Section At Concrete Stair  
1" = 1'-0"

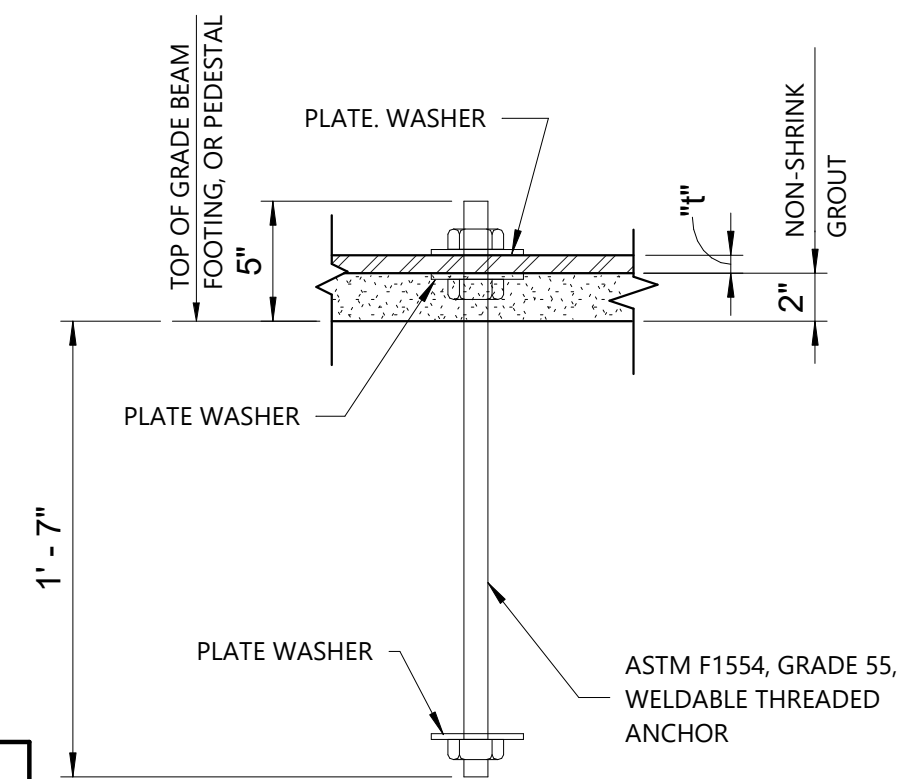
HSS COL. SIZE	"I"	"A"	"B"	"C"	BOLT DIA.	BASE PLATE HOLE DIA.	"F"	WASHER SIZE	WASHER HOLE DIA.
BP-1	1"	10"	12"	1 1/2"	3/4"	1 1/16"	3/16	2"x1/4"	13/16"
BP-2	1"	12"	12"	1 1/2"	3/4"	1 1/16"	3/16	2"x1/4"	13/16"
BP-3	1"	10"	12"	1 1/2"	3/4"	1 1/16"	3/16	2"x1/4"	13/16"
BP-4	1"	24"	12"	1 1/2"	3/4"	1 1/16"	3/16	2"x1/4"	13/16"
BP-5	1"	12"	12"	1 1/2"	3/4"	1 1/16"	3/16	2"x1/4"	13/16"
BP-6	1"	10"	12"	1 1/2"	3/4"	1 1/16"	3/16	2"x1/4"	13/16"

**PLATE A:**  
CUT 5"x3" HOLE IN COLUMN TO INSTALL ANCHOR BOLT. FIELD WELD 5 1/2"x 3 1/2" PLATE TO COLUMN AFTER STEEL HAS BEEN INSTALLED AND LEVELED.

**BASE PLATE GENERAL NOTES:**  
ALL PORTIONS OF BASE PLATE WHICH EXTEND BEYOND EXTERIOR EDGE OF BUILDING SLAB SHALL BE SHOP-COATED WITH 3 LAYERS OF A ZINC-RICH COLD-GALVANIZE COMPOUND.  
ALL ANCHOR BOLTS, NUTS, AND WASHERS WHICH EXTEND BEYOND EXTERIOR EDGE OF BUILDING SLAB SHALL BE HOT-DIPPED GALVANIZED.



**5** Column Base Plate Details  
1 1/2" = 1'-0"



**6** Typical Anchor Bolt  
1 1/2" = 1'-0"

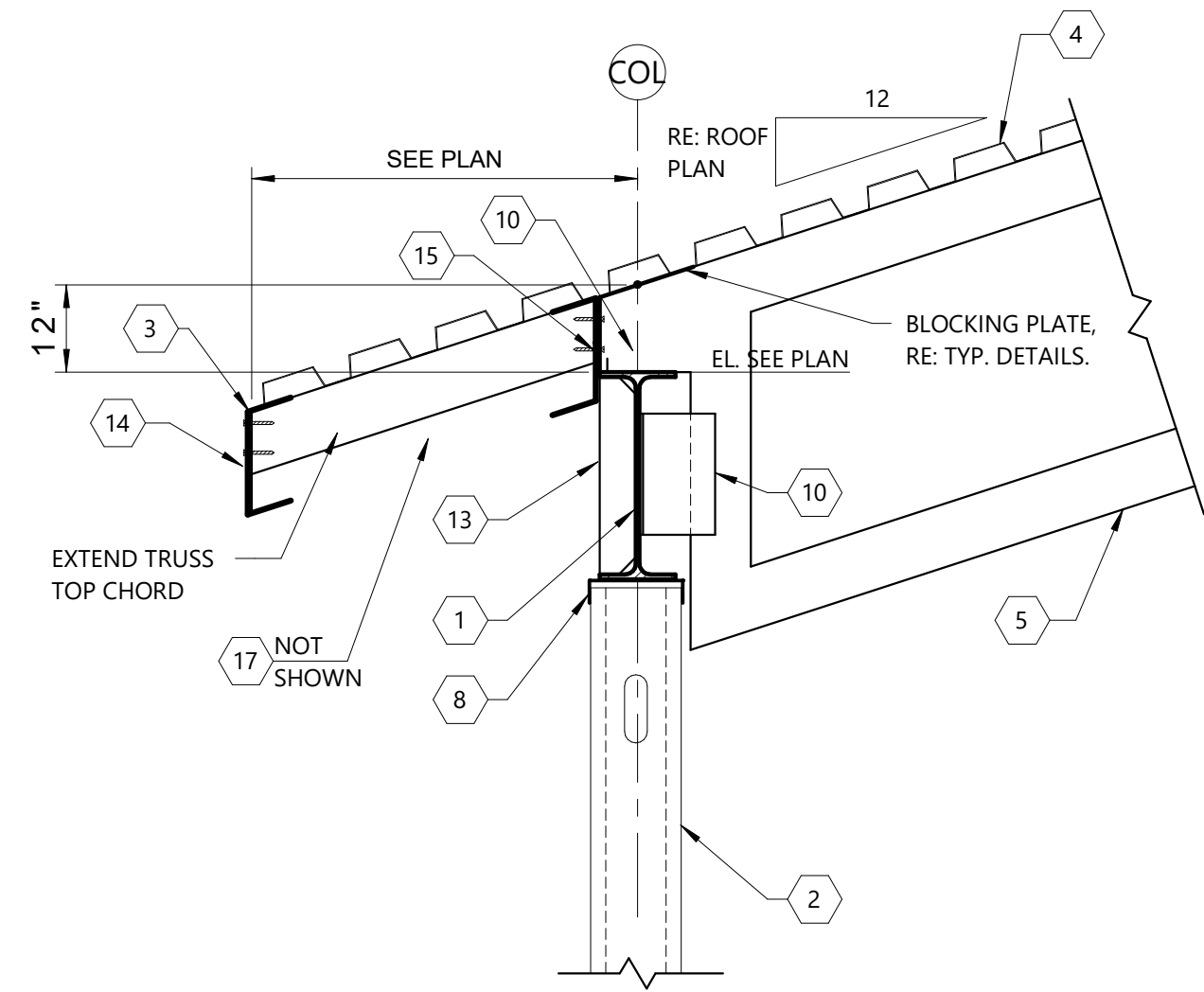
#### Keynote Legend

- SLAB #5 L-BAR DOWELS (a=24", b=24") AT 24" O.C., DECREASE SPACING TO 12" O.C. BETWEEN BRACED FRAME COLUMNS.
- GRADE BEAM - SEE SCHEDULE FOR SIZE AND REINFORCEMENT.
- DRY BOTTOM, SEE FOUNDATION PLAN NOTES FOR MORE INFORMATION.
- #4 AT 12" O.C.
- C.I.P. NOSE AT EACH STAIR NOSE - SEE ARCH. DRAWINGS FOR INFORMATION.
- #4 TREAD AND RISER REINFORCEMENT AT 12" O.C. AND CONT. #4 NOSING BAR HOOKED EACH END.
- CONCRETE SLAB - SEE PLAN FOR MORE INFORMATION.
- 8" THICK CONCRETE WALL REINFORCED WITH #4 BARS AT 12" O.C. EACH WAY EACH FACE.
- #4 @12" O.C. CONTINUOUS WITH #4 HAIRPINS AT 12" O.C.
- EXTERIOR CFMF STUD WALL, RE: SLAB PLAN. SEE SPECIFICATION 05 4000 FOR MORE INFORMATION.
- TIMBER PILE - SEE PLAN FOR INFORMATION.
- PROVIDE A 4" DEEP x 24" LONG DISHOUT AT EACH PILE.
- #5x24" LONG SMOOTH BAR DOWELS AT 16" O.C.
- SLAB #4 L-BAR DOWELS (a=16", b=8") AT 24" O.C.
- CONCRETE STAIR, RE: 4/S4.2 FOR REINFORCING.
- 600T150-54 CONT. (2) #12 TEK SCREWS AT 12" O.C. TO CONT. 16GA. BENT PLA. 3" GA (STAGGERED IF REQUIRED).
- 1/2" EXPANSION JOINT, RE: ARCH.
- 8" THICK CONCRETE WALL REINFORCED WITH #5 AT 12" O.C. EACH WAY, CENTERED IN WALL.

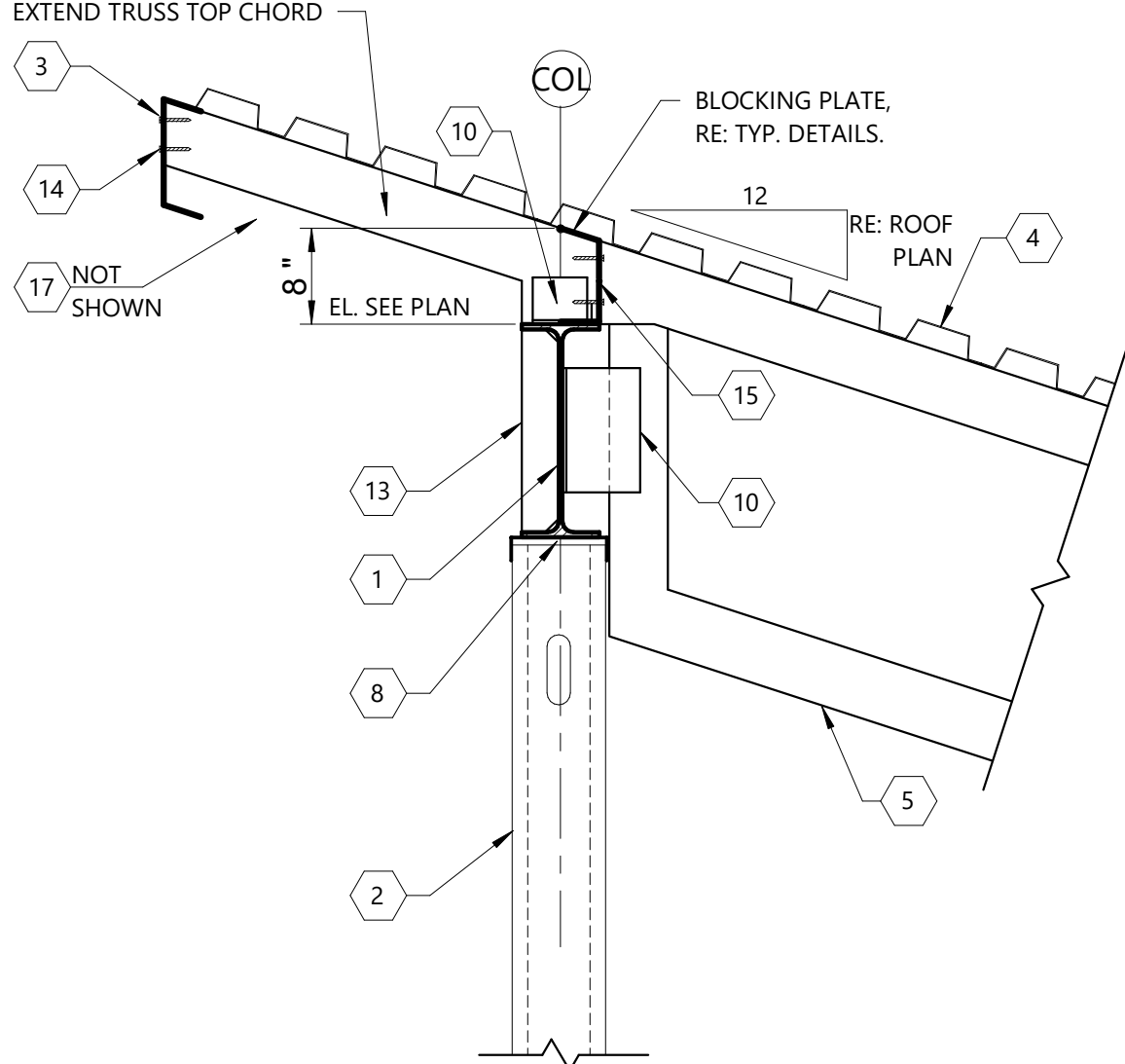
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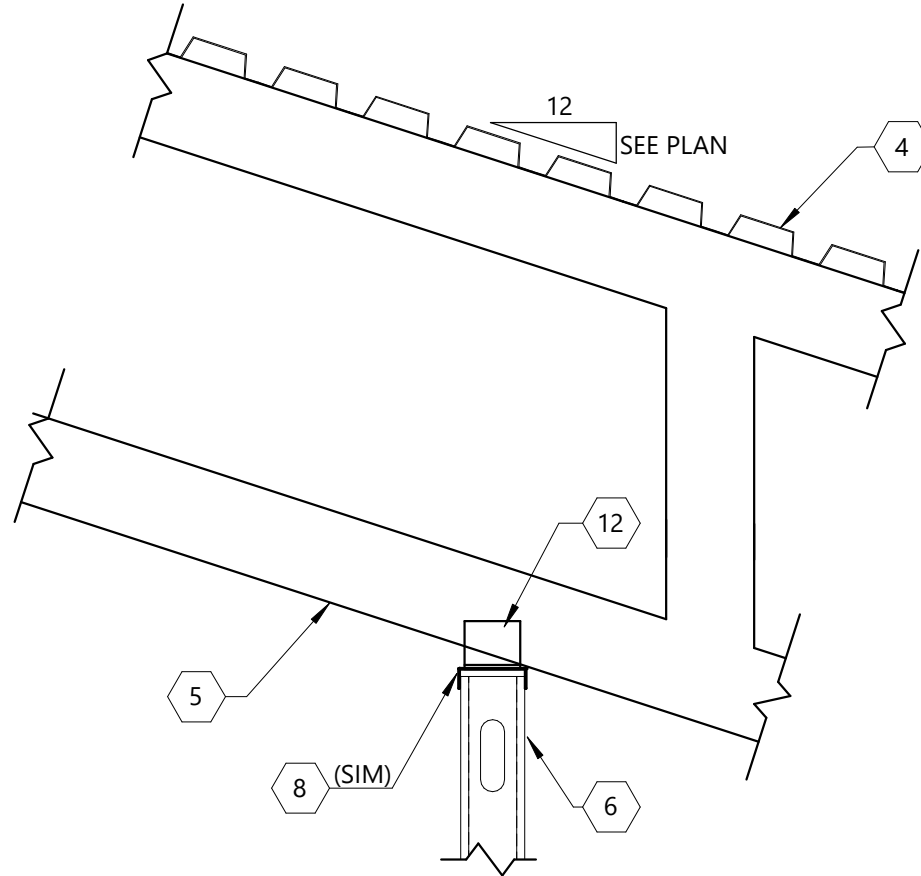
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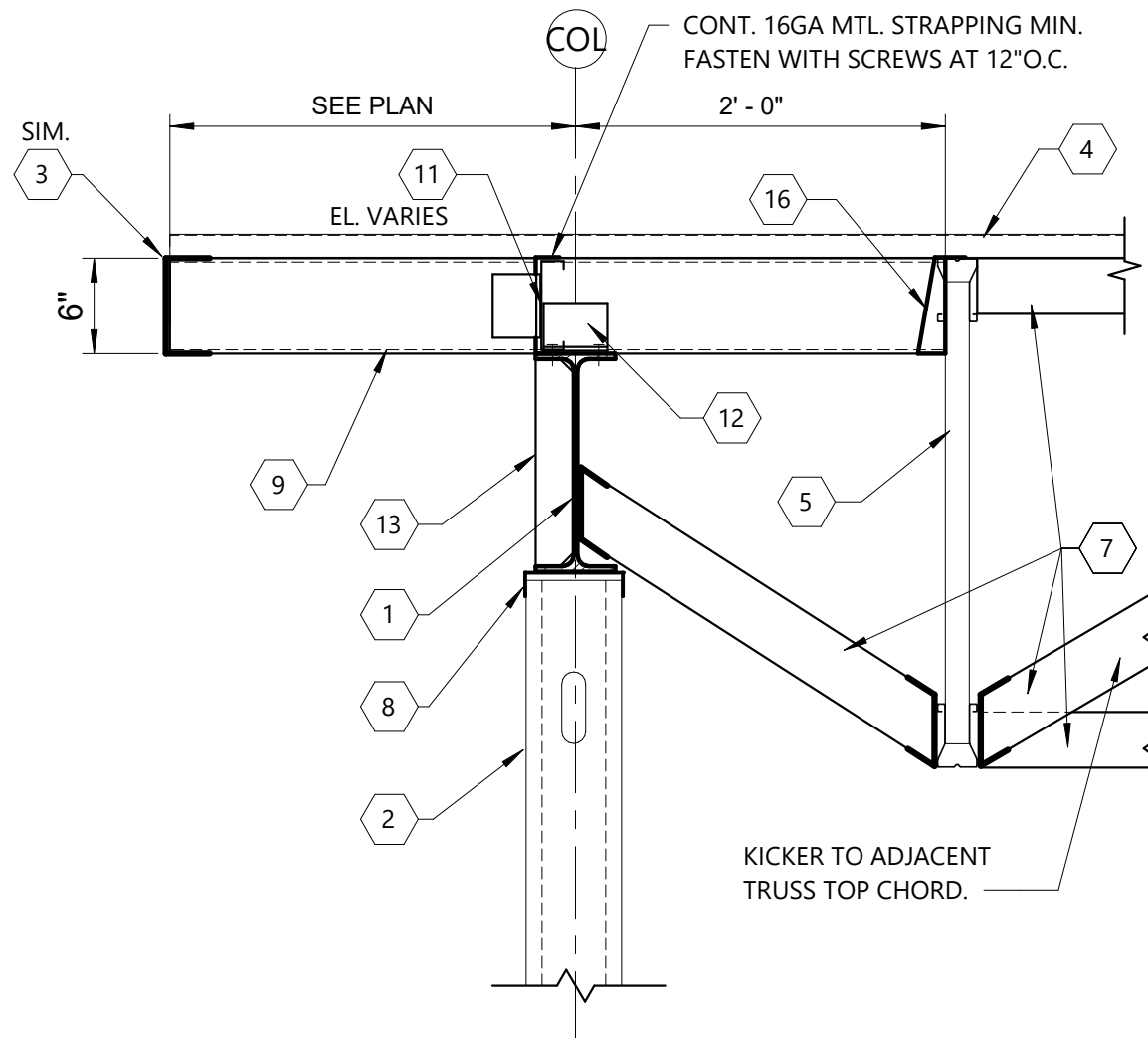
**1** Typ. Roof Truss At Low End Detail  
N.T.S.



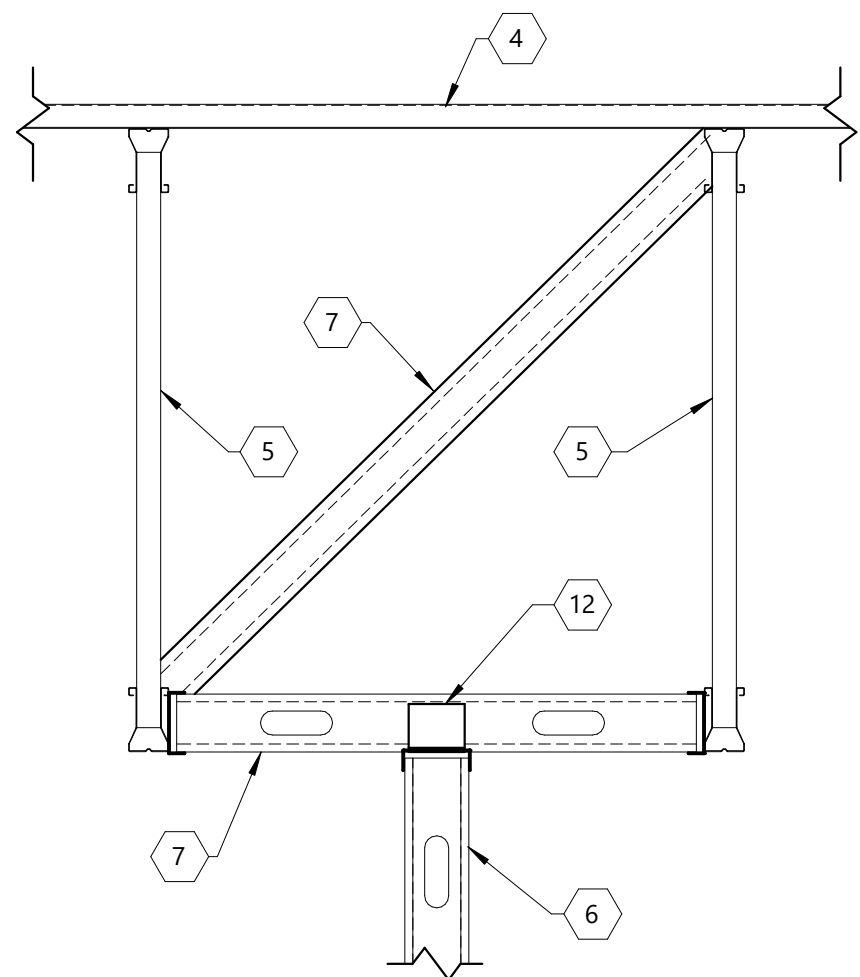
**2** Typ. Roof Truss At High End Detail  
N.T.S.



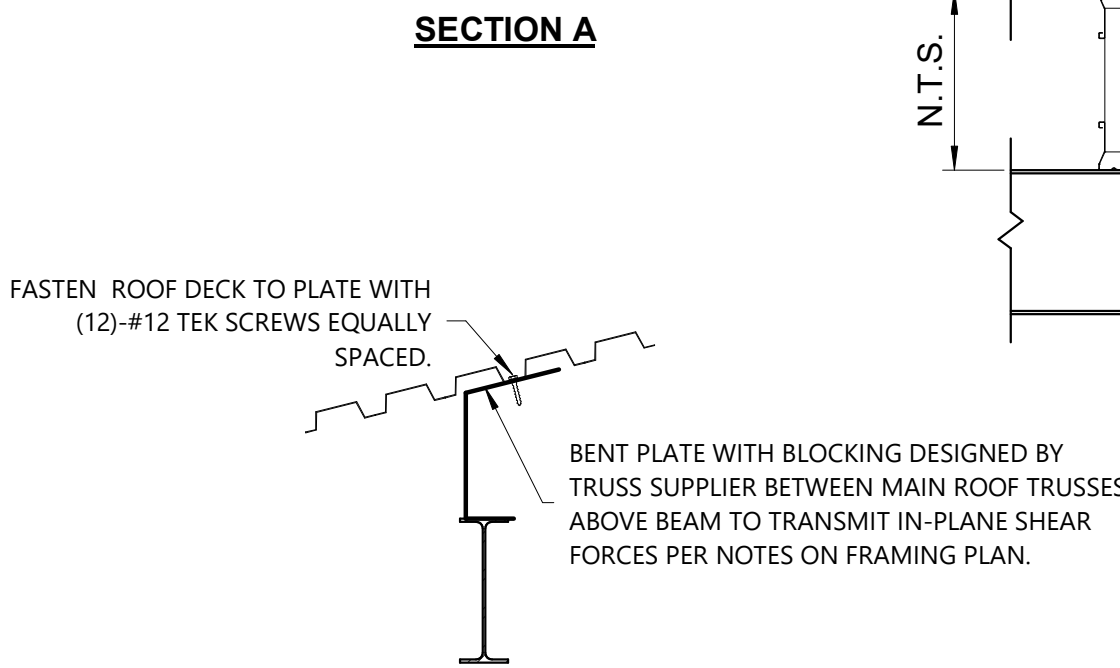
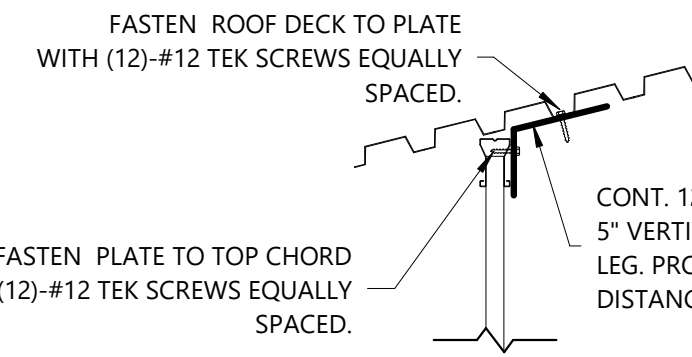
**3** Typ. CFMF Partition Wall Connx.  
To Roof Truss Perp.  
1" = 1'-0"



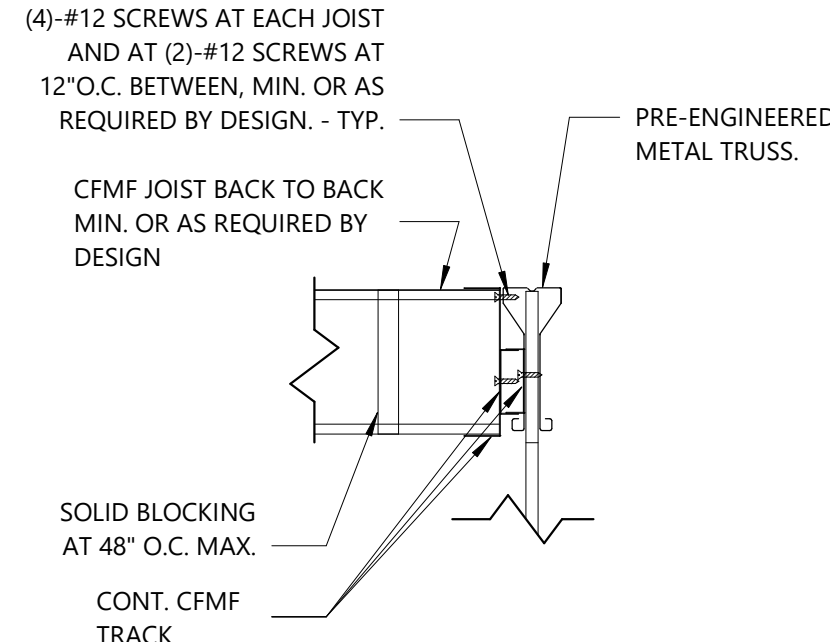
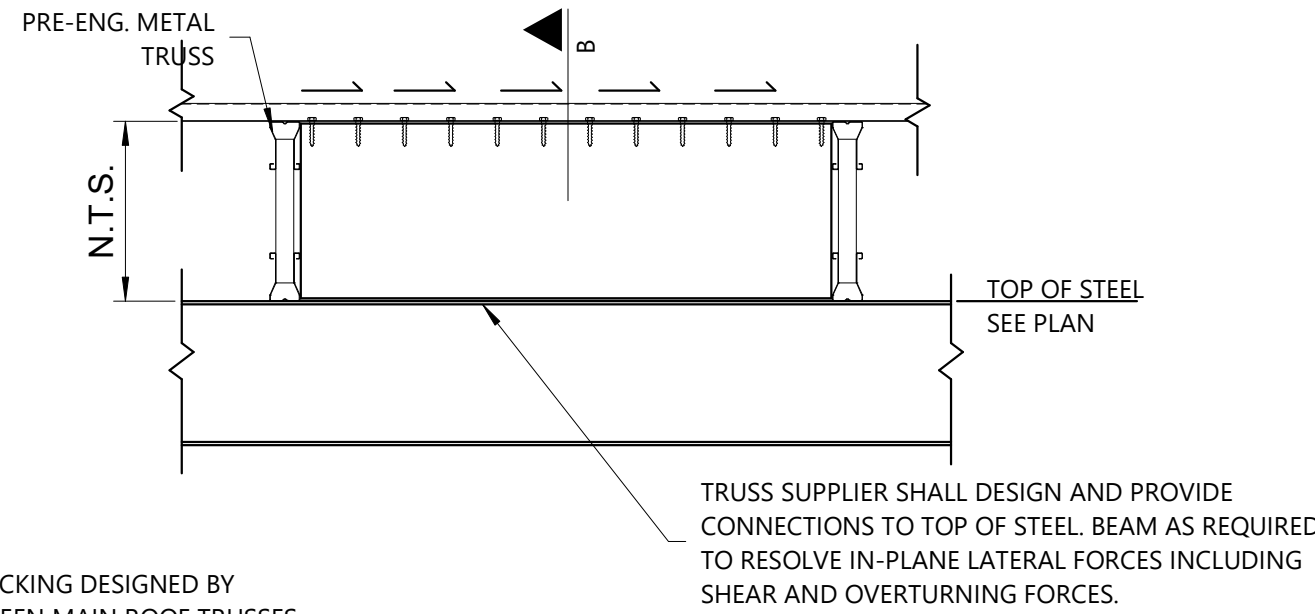
**4** Roof Edge Detail At Outriggers  
1" = 1'-0"



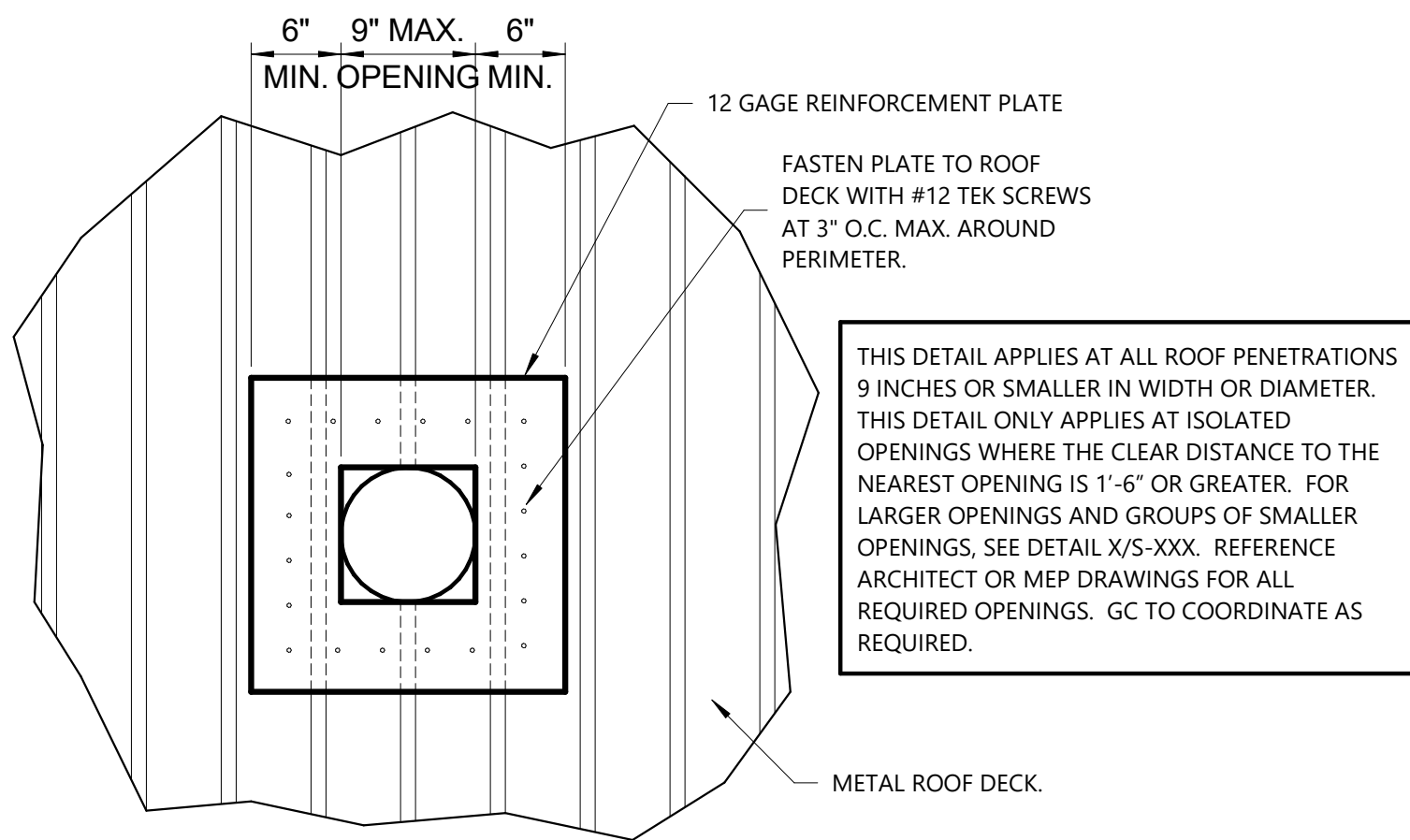
**5** Typ. CFMF Partition Wall Connx. To Parallel To Roof Truss  
1" = 1'-0"



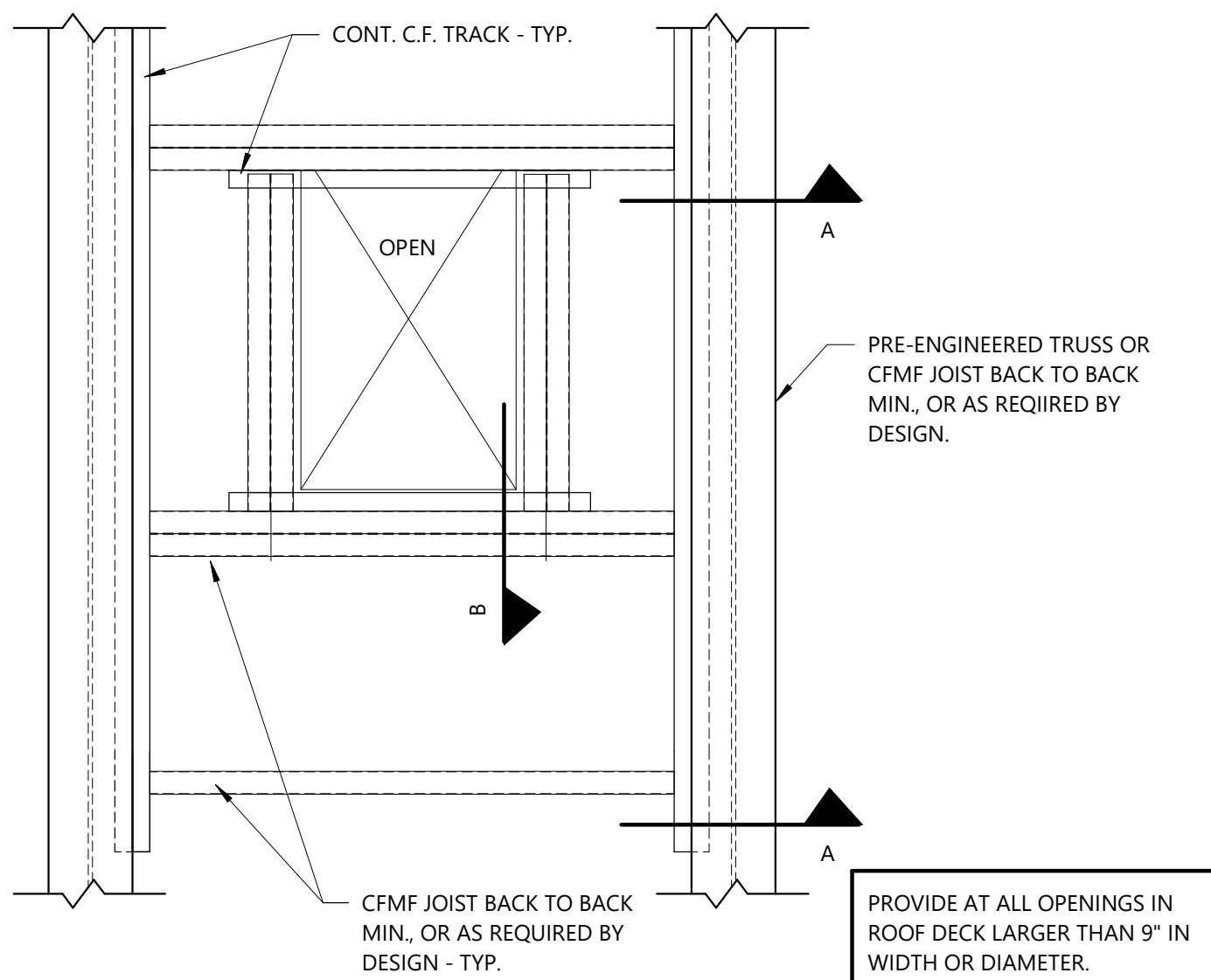
**6** Typ. Blocking and Blocking Truss Detail  
3/4" = 1'-0"



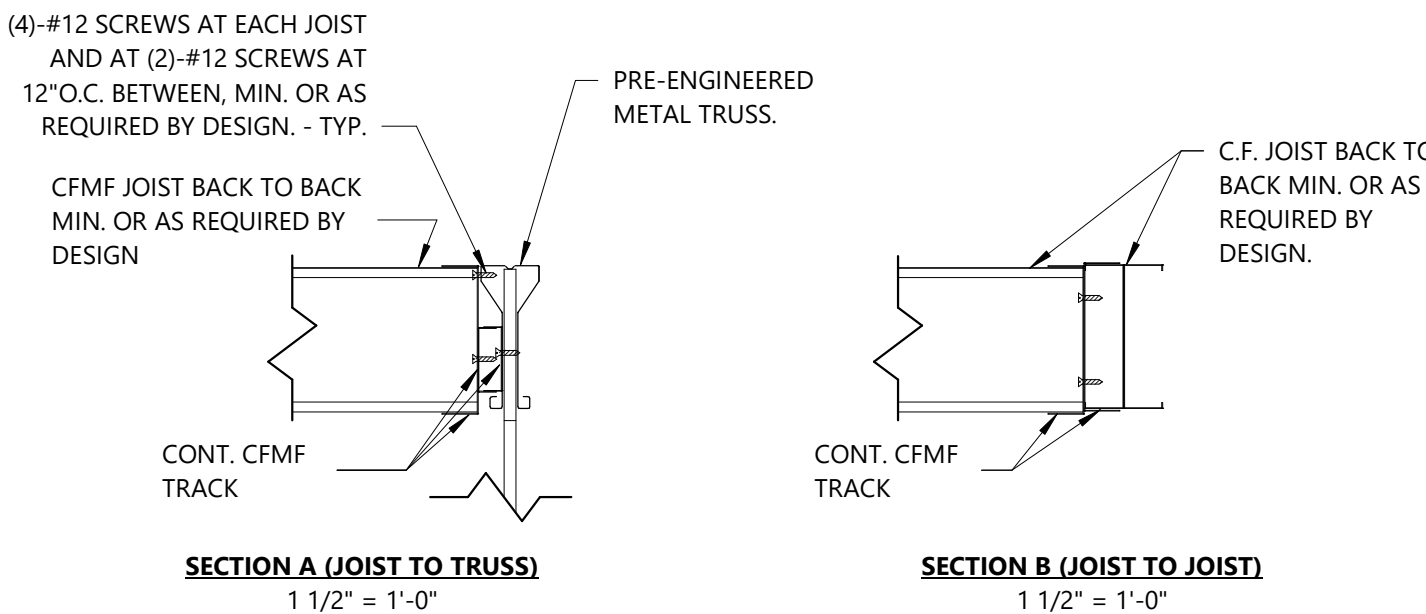
**7** Typ. CFMF Joist To Truss Connx.  
1 1/2" = 1'-0"



**8** Typ. Small Reinforced Roof Deck Opening  
1" = 1'-0"



**9** Typ. Large Roof Opening/CFMF Connection Details  
1" = 1'-0"



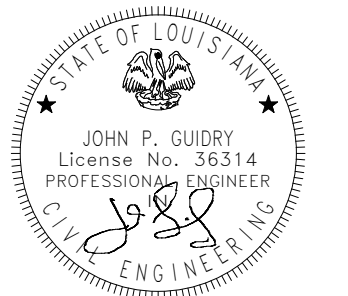
## Keynote Legend

- 1 STEEL BEAM - SEE PLAN FOR SIZE.
- 2 EXTERIOR CFMF STUD WALL, RE: SLAB PLAN. SEE SPECIFICATION 05 4000 FOR MORE INFORMATION.
- 3 CONTINUOUS 16 GAGE BENT PLATE WITH 3" LEGS ALONG ROOF TRUSS EDGES. FASTEN EACH LEG TO TRUSS WITH (2)-#10 TEK SCREWS. LAP 12" AT SPLICE LOCATIONS AND PROVIDE (4)-#10 TEK SCREWS IN EACH LEG AT LAP.
- 4 GALVANIZED METAL ROOF DECK. RE: PLANS AND DECK FASTENER TABLE FOR MORE INFORMATION.
- 5 PRE-ENGINEERED COLD-FORMED METAL TRUSSES SPACED AT 48" O.C. MAX. TRUSS SUPPLIER TO DESIGN, FURNISH, AND INSTALL ALL SUPPORT TIES AND CONNECTIONS REQUIRED TO INSTALL TRUSSES.
- 6 INTERIOR CFMF STUD WALL, RE: SLAB PLAN. SEE SPECIFICATION 05 40 00 FOR MORE INFORMATION.
- 7 362S162-43 BRACE AT 48" O.C. FASTEN EACH END WITH CLIP ANGLES AND #12 TEK SCREWS. TRUSS SUPPLIER SHALL DESIGN TRUSS FOR 1000 POUND ASD BRACE FORCE (TENSION OR COMPRESSION).
- 8 SLIP TRACK 600T250-97, RE3/S5.3 FOR ATTACHMENT.
- 9 CF OUTRIGGERS, RE: ROOF PLAN FOR SIZE AND SPACING.
- 10 ALL TRUSS CONNECTIONS SHALL BE DESIGNED AND PROVIDED BY TRUSS SUPPLIER.
- 11 600S162-43 CF BLOCKING. ATTACH TO JOIST WITH SIMPSON RCA 223/97 WITH (4) #10 SCREWS.
- 12 SIMPSON RCA 223/97 ATTACHED WITH (4) #10 SCREWS.
- 13 STIFFENER PL3/8" AT EVERY TRUSS BEARING LOCATION. WELD STIFFENER PLATE TO BEAM WEB WITH 3/16" ALL AROUND FILLET WELD.
- 14 600T150-54 CONT. (2) #12 TEK SCREWS AT 12" O.C. TO CONT. 16GA. BENT PLA. 3" GA (STAGGERED IF REQUIRED).
- 15 600T150-54 (2) #12 TEK SCREWS AT 12" O.C. TO 16GA. BENT PL. BETWEEN TRUSSES. 3" GA (STAGGERED IF REQUIRED).
- 16 CFMF JOIST TO TRUSS CONNECTION. RE: 7/S5.0.
- 17 EXTERIOR SOFFIT FRAMING. SEE SPECIFICATION 05 40 00 FOR MORE INFORMATION.

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NEW CHURCH OFFICE BUILDING

CONSTRUCTION  
DOCUMENTS

project no. 2019008.00  
date 9/15/2023  
designed by OC  
drawn by RD  
checked by TS/DD  
revised



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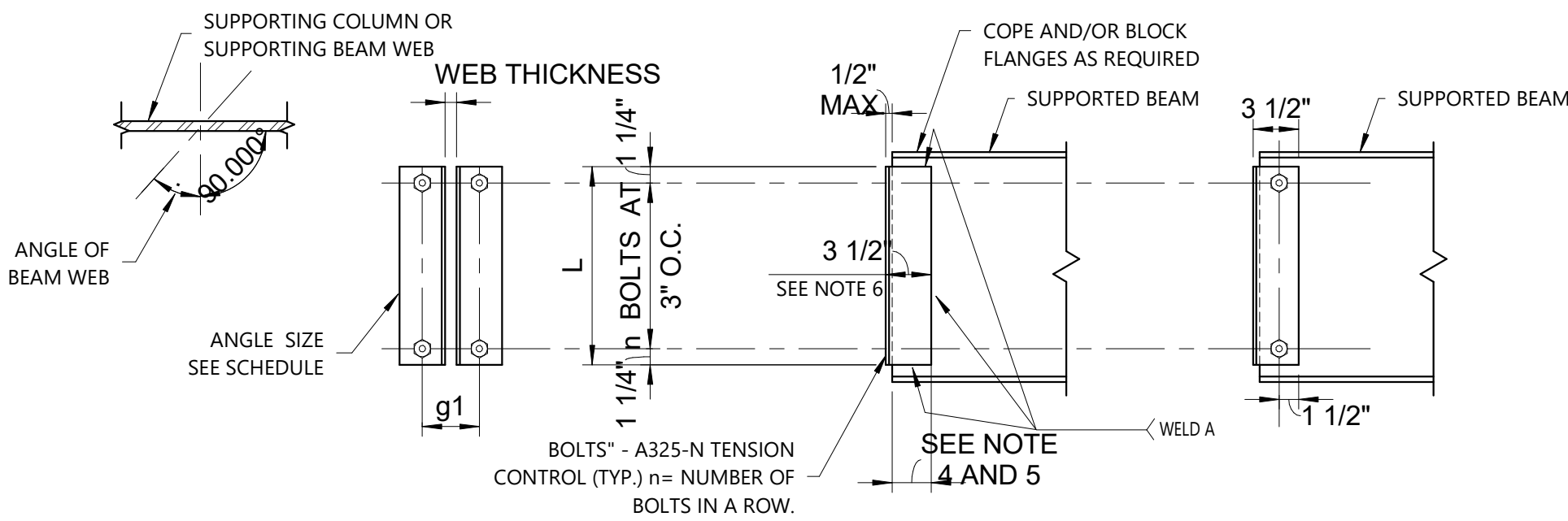
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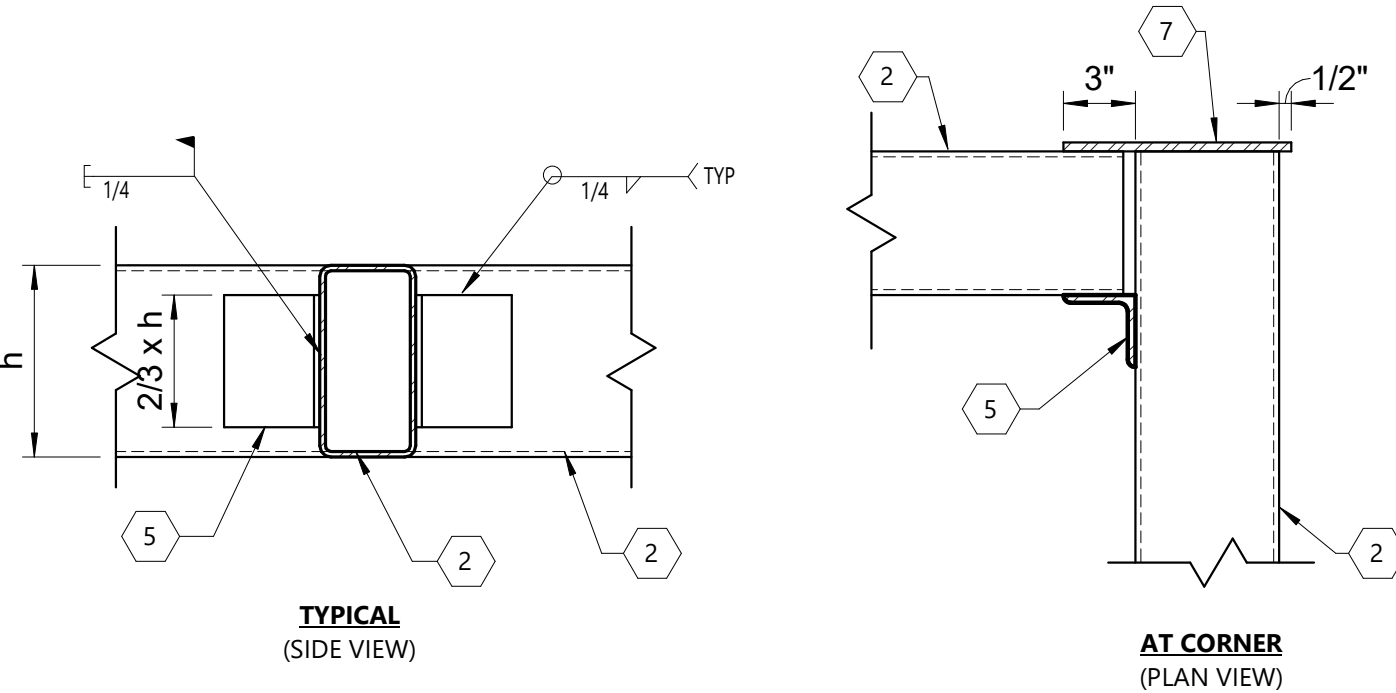
NOTES:

- WHERE BEAMS AND GIRDERS FRAME INTO A W8 COLUMN OR THE WEB OF A W10 COLUMN, ANGLE SIZE 3x3 1/2xSAME THICKNESS SHALL BE USED AND g1 SHALL BE DECREASED BY 2" TYPICALLY.
- FOR CHANNEL CONNECTIONS, USE ANGLE AND BOLTS FOR SIMILAR DEPTH BEAM SHOWN BELOW.
- FOR ANGLES 0 DEGREES TO 14 DEGREES FROM PERPENDICULAR, ANGLES SHALL BE BENT.
- FOR ANGLES 14 DEGREES TO 33.7 DEGREES FROM PERPENDICULAR, PROVIDE (2) BENT PLATES 3/8" X AS REQUIRED BY GEOMETRY (PROVIDE MIN. 3/16" WELD ALL AROUND).
- FOR ANGLES 33.7 DEGREES TO 71.6 DEGREES FROM PERPENDICULAR, PROVIDE (1) BENT PLATE 3/8" X AS REQUIRED BY GEOMETRY (PROVIDE MIN. 3/16" WELD ALL AROUND). AT W24'S AND DEEPER PROVIDE 1/2" THICK BENT PLATE.
- LEG SHALL BE ADJUSTED WHERE REQUIRED BY GEOMETRY.
- AT ALL BEAM CONNECTIONS TO DIAGONAL BRACED FRAME COLUMNS IN WHICH BEAM IS PARALLEL TO THE DIAGONAL BRACED FRAME, THE CONNECTION ANGLE THICKNESS SHALL BE INCREASED TO 1/2" AND "WELD A" SHALL BE 1/4".
- AT DOUBLE BEAM CONNECTIONS AT COLUMNS, INCREASE ANGLE LEG AND ADD BOLTS AS REQUIRED TO MEET OSHA STANDARDS.
- FOR BEAM TO BEAM CONNECTIONS, PROVIDE CONNECTION PER THE SHALLOWER MEMBER AND COPE SUPPORTED BEAM AS REQUIRED.
- CONNECTION TO WEB OF SUPPORTED BEAM MAY BE WELDED OR BOLTED.

BEAM SIZE	ANGLE SIZE	L (inches)	n	g1	WELD A	BOLTS
W8's & W10's	L4x3 1/2x5/16	5 1/2	2	5 1/2	1/4	3/4"
W12's	L4x3 1/2x5/16	8 1/2	3	5 1/2	1/4	3/4"
W14's	L4x3 1/2x5/16	8 1/2	3	5 1/2	1/4	3/4"
W16's	L4x3 1/2x5/16	11 1/2	4	5 1/2	1/4	3/4"

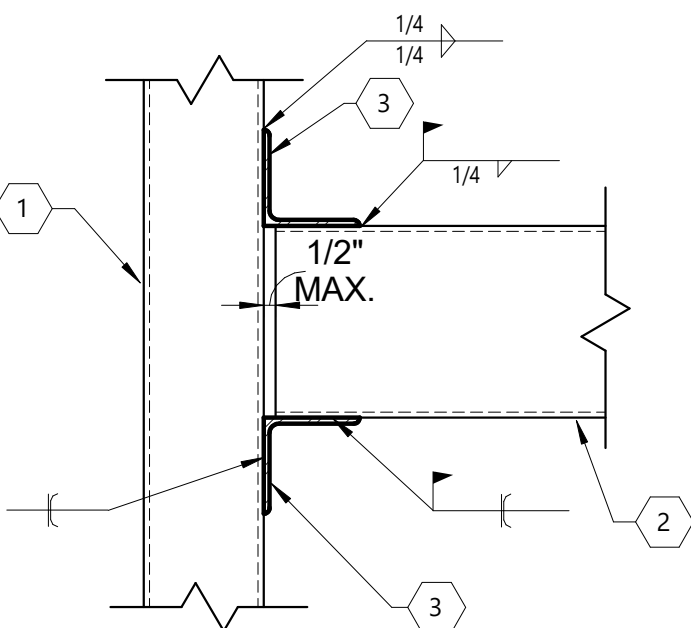
## 1 Typical Beam Connection Schedule And Detail

N.T.S.



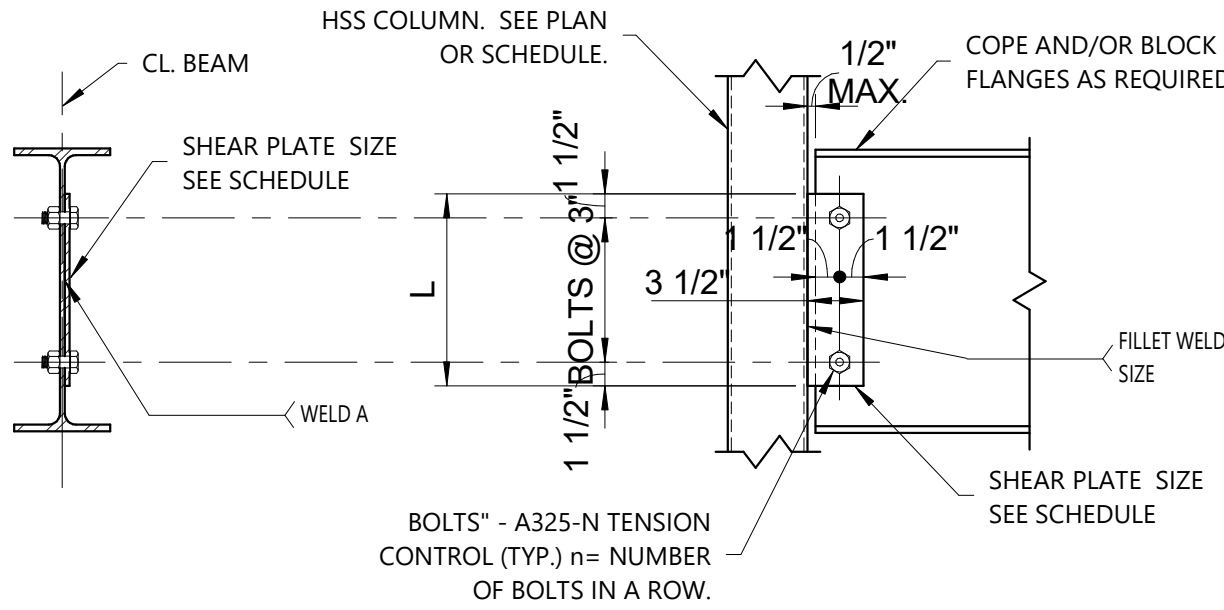
## 5 Typ. HSS Beam To HSS Beam

1 1/2" = 1'-0"



## 8 HSS Beam To Hss Column

1 1/2" = 1'-0"



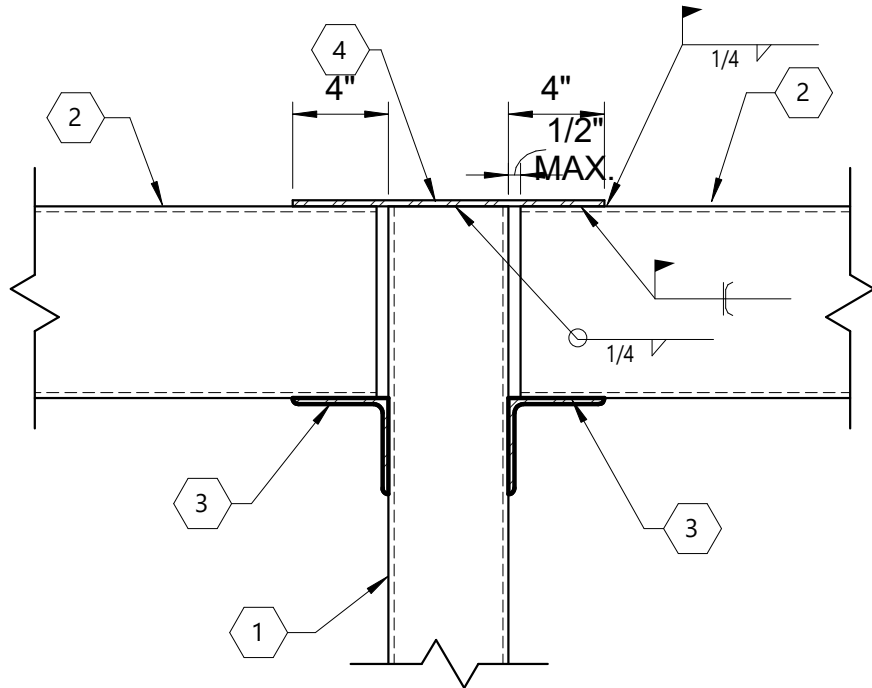
NOTES:

- WHERE BEAM FRAMES INTO FLAT FACE OF HSS COLUMN ON A SKEW 10 DEGREES OR LESS FROM PERPENDICULAR, PLATE SHALL BE WELDED TO COLUMN WITH FILLET WELD AS INDICATED IN TABLE BELOW.
- WHERE BEAM FRAMES INTO FLAT FACE OF HSS COLUMN ON A SKEW GREATER THAN 10 DEGREES FROM PERPENDICULAR, PLATE SHALL BE FULL PEN WELDED TO COLUMN.
- FOR PLATES ATTACHING TO THE RADIUSUED CORNER OF AN HSS COLUMN USE COMPLETE JOINT PENETRATION WELD.
- SLOTTED BOLT HOLES SHALL NOT BE USED, UNLESS NOTED OTHERWISE, EXCEPT AT LOCATIONS APPROVED BY ENGINEER VIA THE RFI PROCESS.

BEAM SIZE	PLATE SIZE (inches)	L (inches)	n	WELD (TYP.) EA. SIDE (inches)	BOLTS (TYP.)
W8's	5/16	6	2	3/16	3/4"
W10's	5/16	6	2	3/16	3/4"
W12's	5/16	9	3	3/16	3/4"
W14's	5/16	9	3	3/16	3/4"
W16's	5/16	12	4	3/16	3/4"

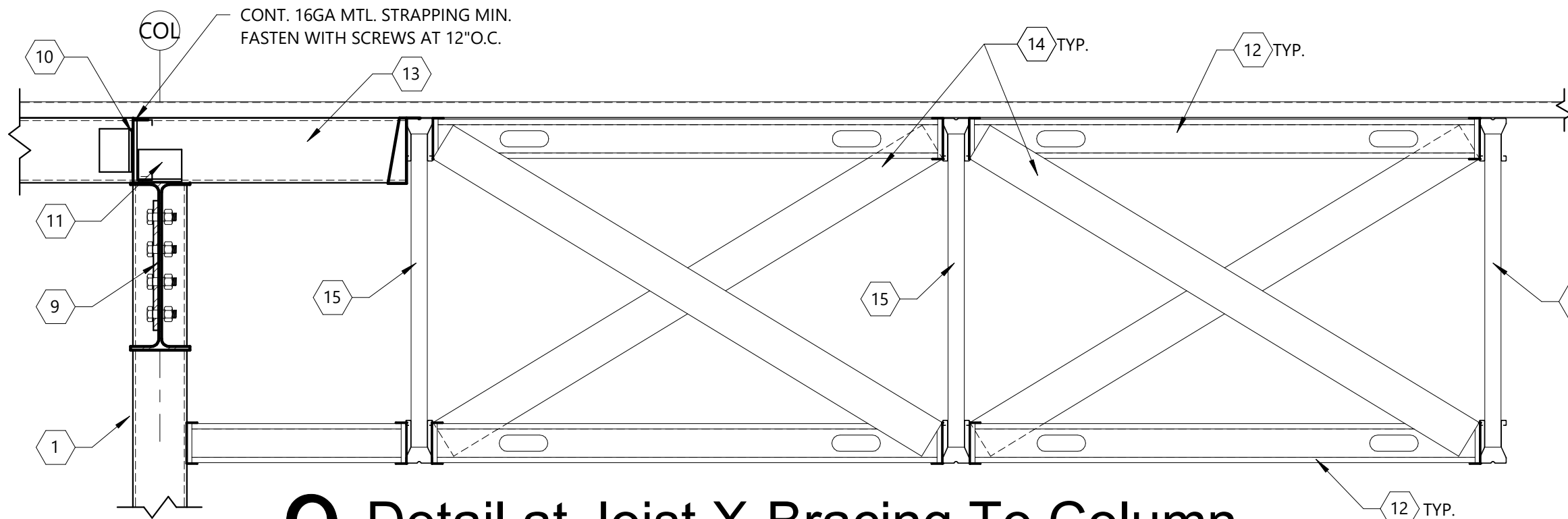
## 2 Typical Beam To HSS Column Connection Schedule And Detail

N.T.S.



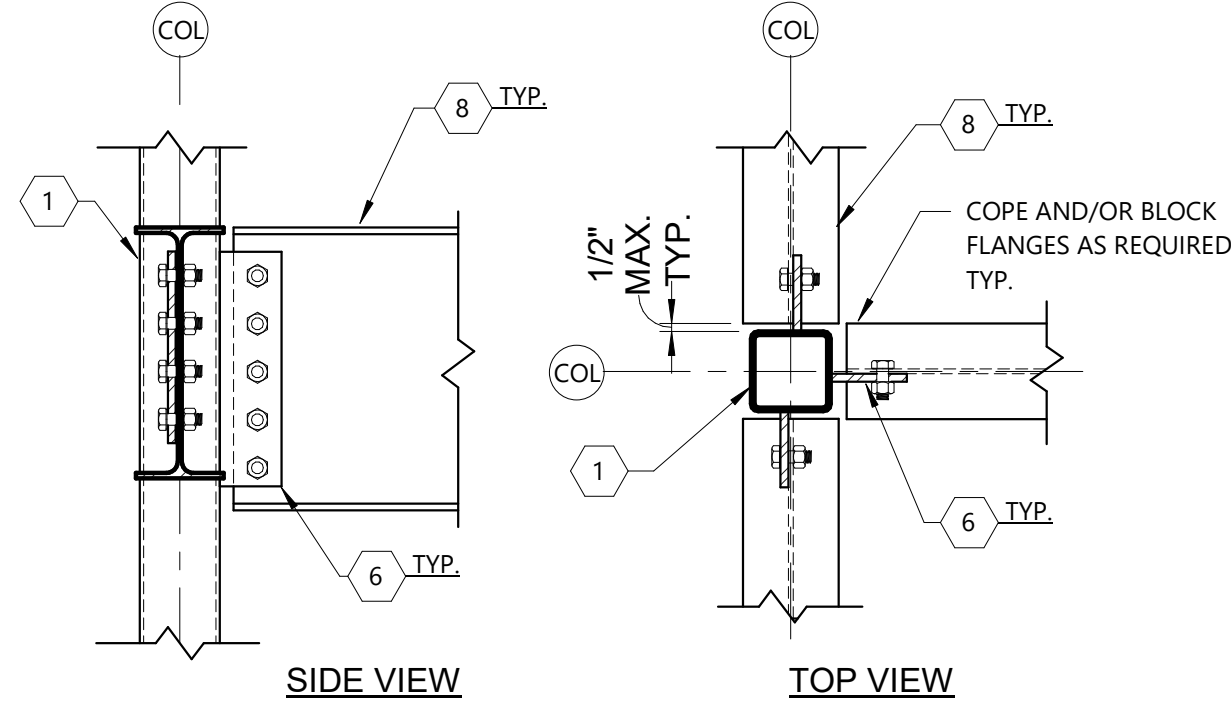
## 6 Typ. HSS Beam To HSS Column

1 1/2" = 1'-0"



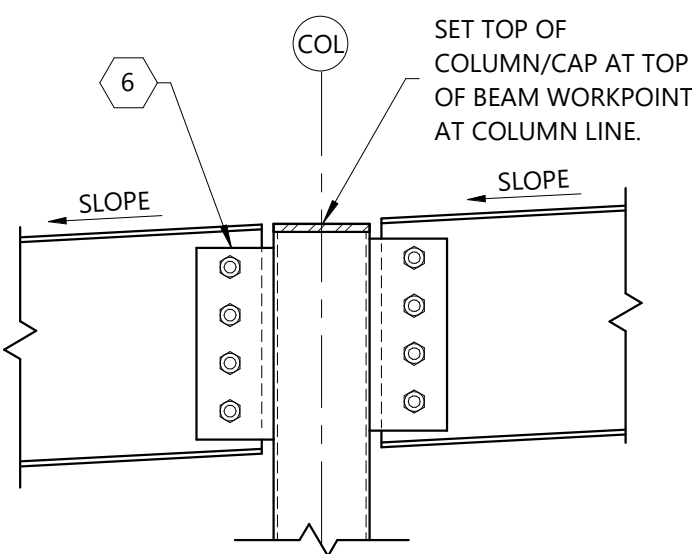
## 9 Detail at Joist X-Bracing To Column

1" = 1'-0"



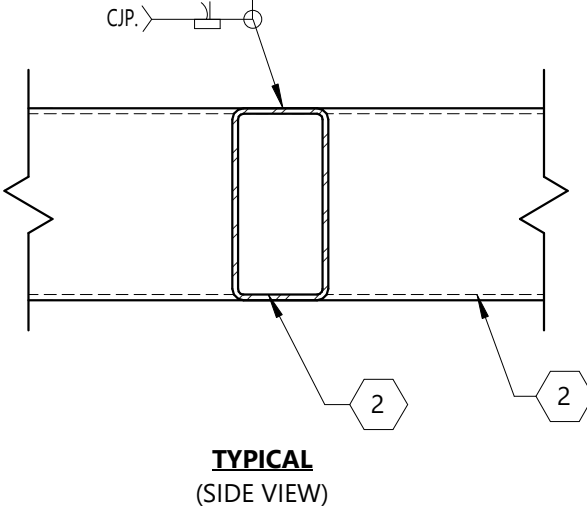
## 3 Typ. Beam To HSS Column

1" = 1'-0"



## 4 Top Of Col. At Sloped Framing

1" = 1'-0"



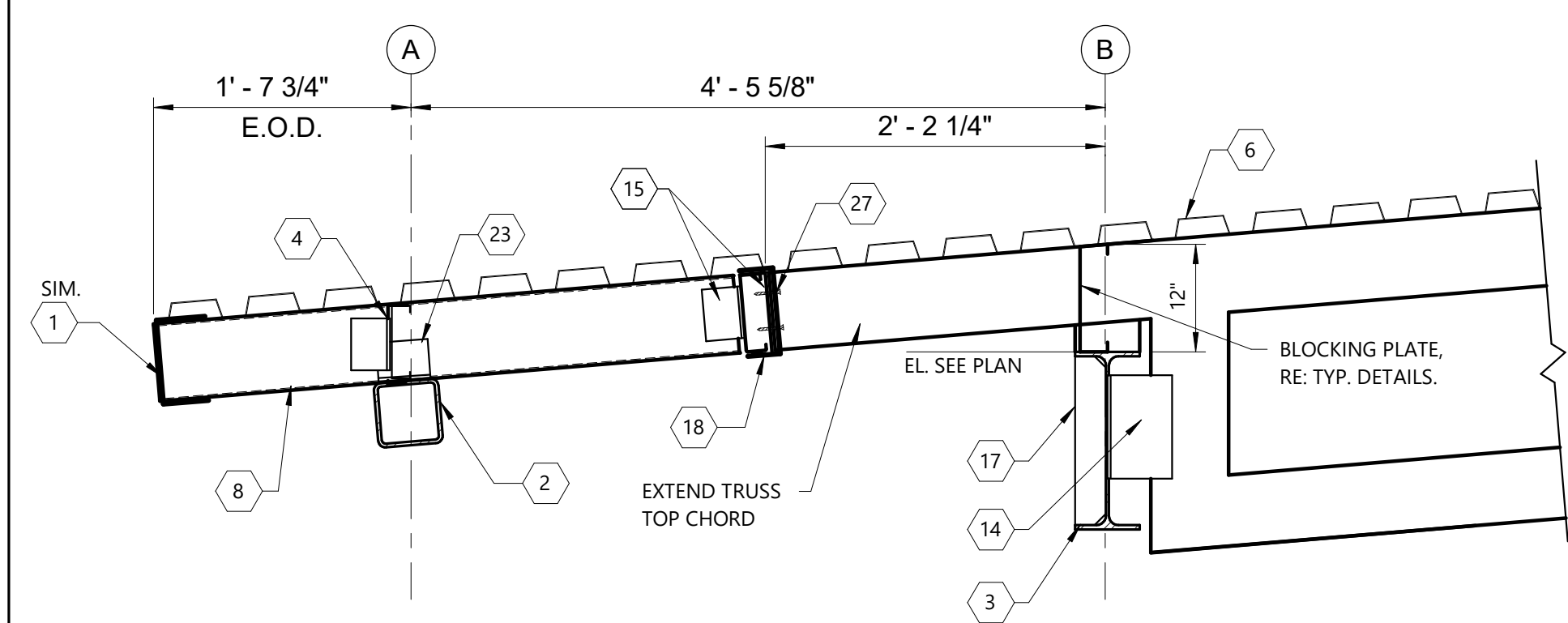
## 7 Typ. HSS To HSS Moment Cnnx.

1 1/2" = 1'-0"

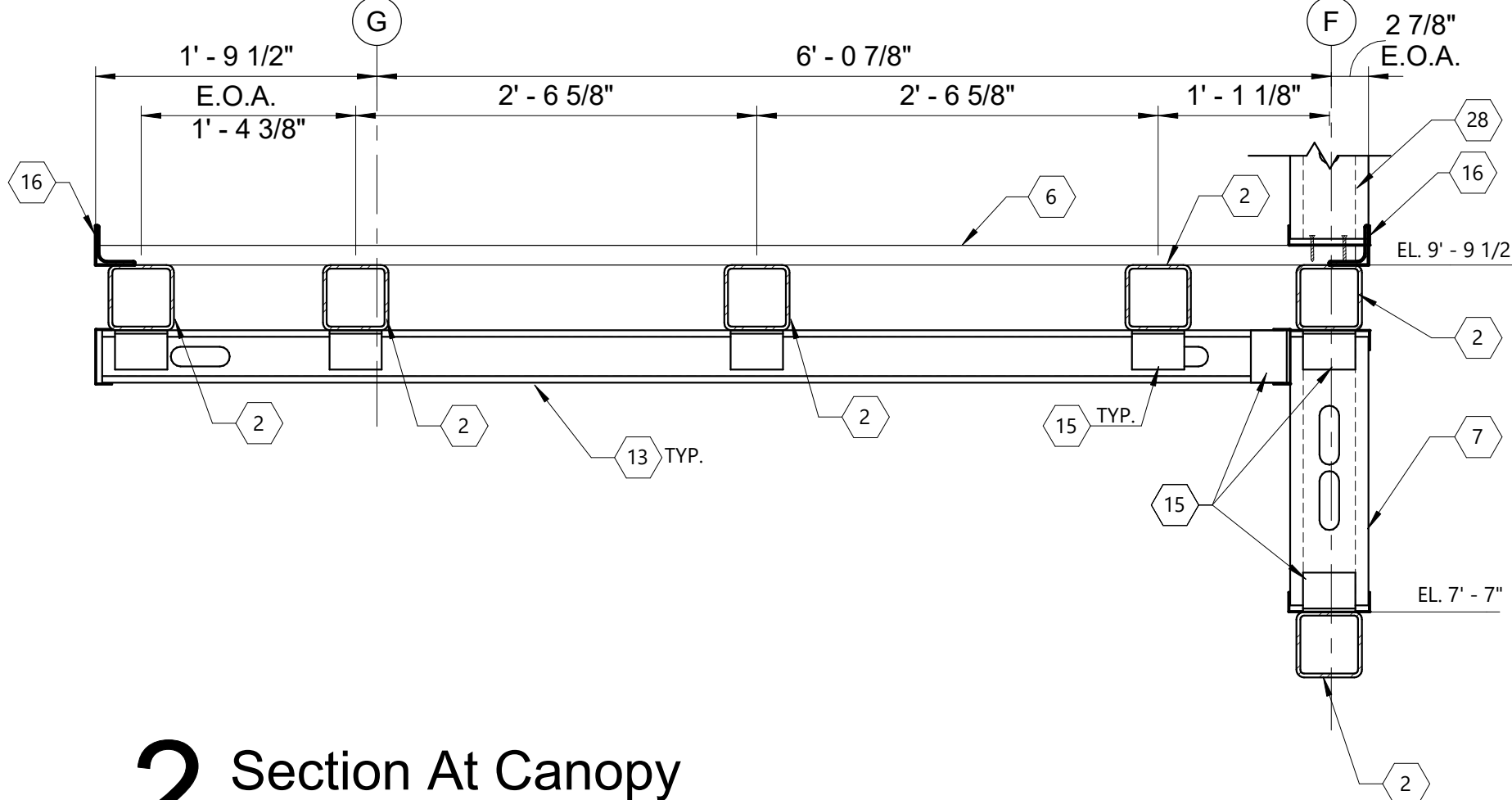
### Keynote Legend

- STEEL COLUMN - SEE PLAN FOR SIZE.
- HSS BEAM - SEE PLAN FOR SIZE AND ELEVATION.
- L4x4x1/2, SAME LENGTH AS WIDTH OF COLUMN OR BEAM, WHICHEVER IS GREATER. SHOP WELD EACH ANGLE ALL AROUND TO COLUMN WITH 1/4" FILLET WELD TOP AND BOTTOM AND FLARE BEVEL GROOVE WELD ON SIDES. FIELD WELD 3 SIDES OF EACH ANGLE TO BEAM WITH 1/4" FILLET WELD AND FLARE BEVEL GROOVE WELD. DO NOT SHOP WELD EITHER ANGLE TO BEAM.
- 3/8" CAP PLATE SHOP WELDED ALL AROUND TO COLUMN WITH 1/4" FILLET WELD. WIDTH OF PLATE SHALL BE WIDTH OF COLUMN PLUS ONE INCH OR WIDTH OF BEAM, WHICHEVER IS GREATER. FIELD WELD 3 SIDES OF PLATE TO BEAM WITH 1/4" FILLET WELD AND FLARE BEVEL GROOVE WELD.
- L3x3x3/8 CONNECTION ANGLE OR EQUIVALENT BENT PLATE AT SKEWED CONNECTIONS.
- STANDARD SINGLE PLATE BEAM CONNECTION. RE: TYPICAL BEAM TO HSS COLUMN CONNECTION SCHEDULE AND DETAIL.
- 3/8" CAP PLATE WITH HEIGHT MATCHING BEAM DEPTH. SHOP WELD BOTH SIDES TO END OF BEAM WITH 1/4" FILLET WELD. FIELD WELD 3 SIDES TO CONNECTING BEAM WITH 1/4" FILLET WELD OR FLARE BEVEL GROOVE WELD.
- STEEL BEAM - SEE PLAN FOR SIZE.
- 600S162-43 CF BLOCKING. ATTACH TO JOIST WITH SIMPSON RCA 223/97 WITH (4) #10 SCREWS.
- SIMPSON RCA 223/97 ATTACHED WITH (4) #10 SCREWS.
- 362S162-43 STRUT. SEE 7/55.0 FOR CONNECTION TO TRUSS.
- CF OUTRIGGERS, RE: ROOF PLAN FOR SIZE AND SPACING.
- 362S162-43 BRACE FASTENED AT EACH END WITH (4) #12 TEK SCREWS TO CF STRUT.
- PRE-ENGINEERED COLD-FORMED METAL TRUSSES SPACED AT 48" O.C. MAX. TRUSS SUPPLIER TO DESIGN, FURNISH, AND INSTALL ALL SUPPORT TIES AND CONNECTIONS REQUIRED TO INSTALL TRUSSES.

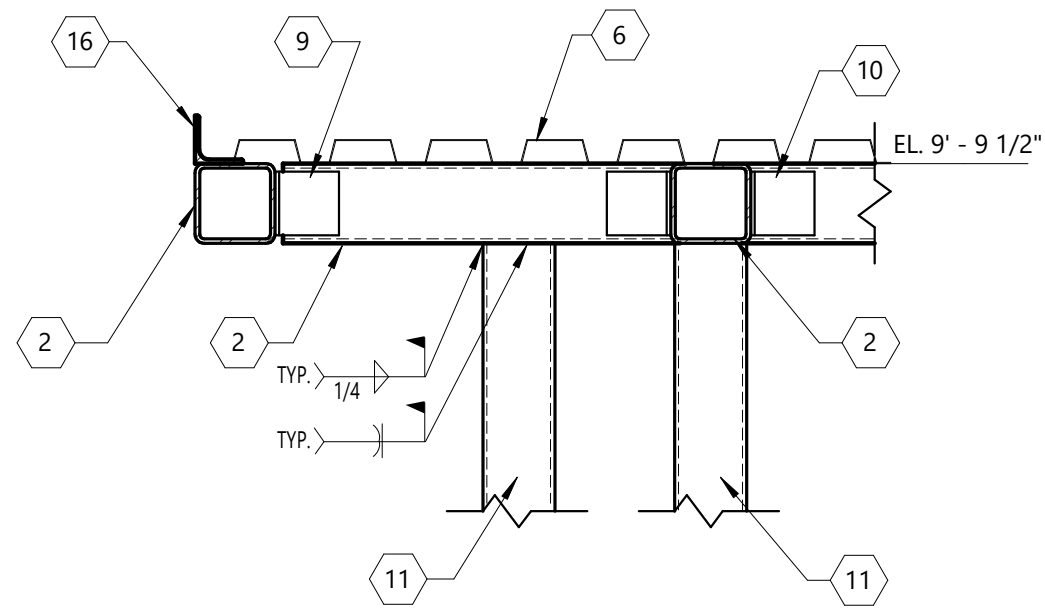




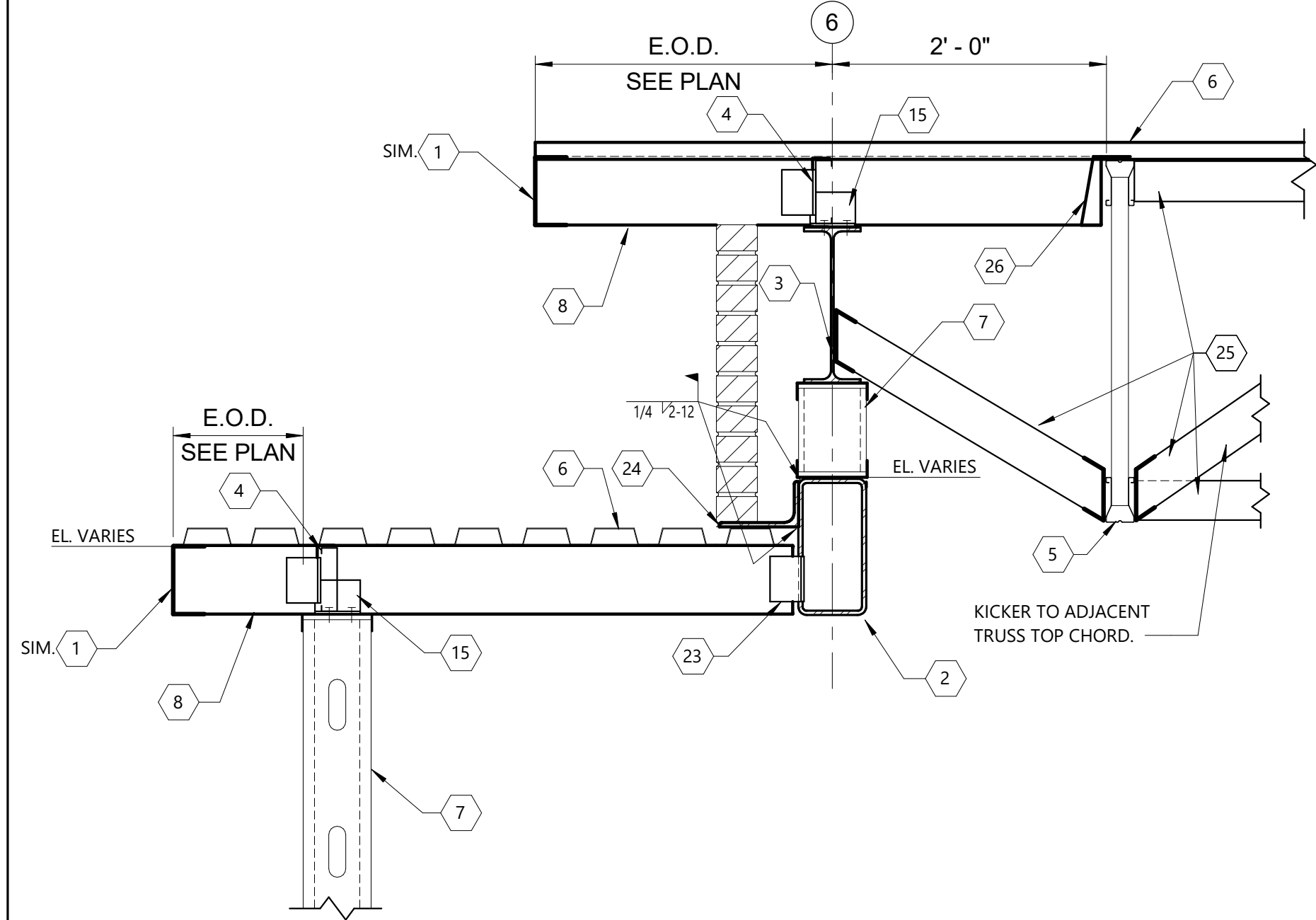
1 Section At Canopy  
1" = 1'-0"



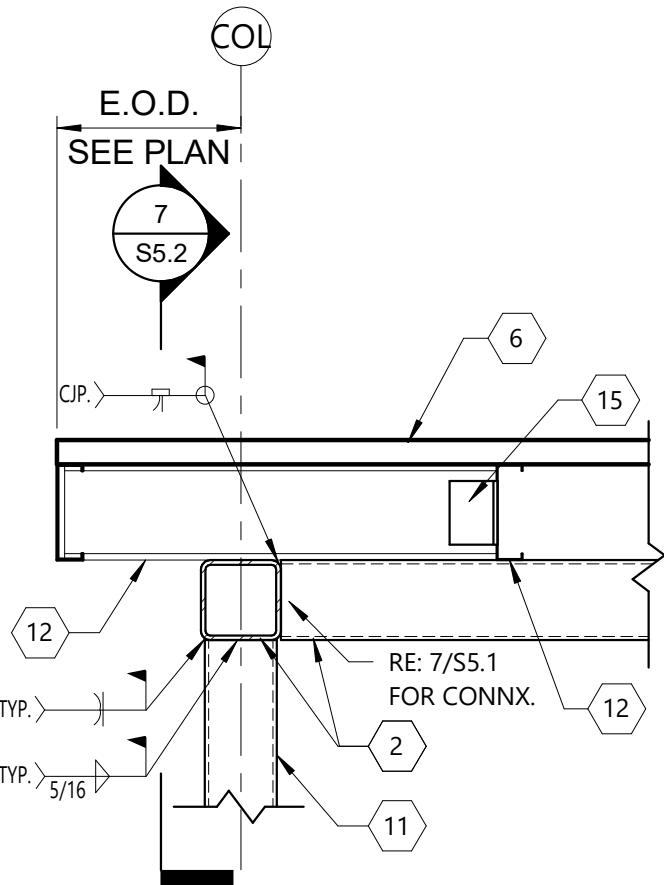
2 Section At Canopy  
1" = 1'-0"



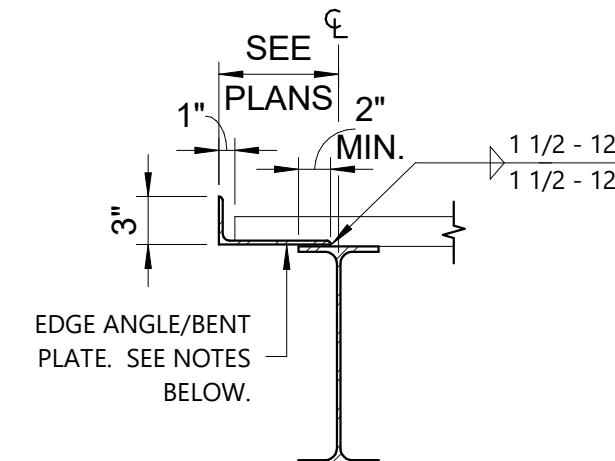
3 Section At Canopy  
1" = 1'-0"



4 Section At Canopy  
1" = 1'-0"



5 Section At Canopy  
1" = 1'-0"



AT STEEL BEAM

**NOTES:**

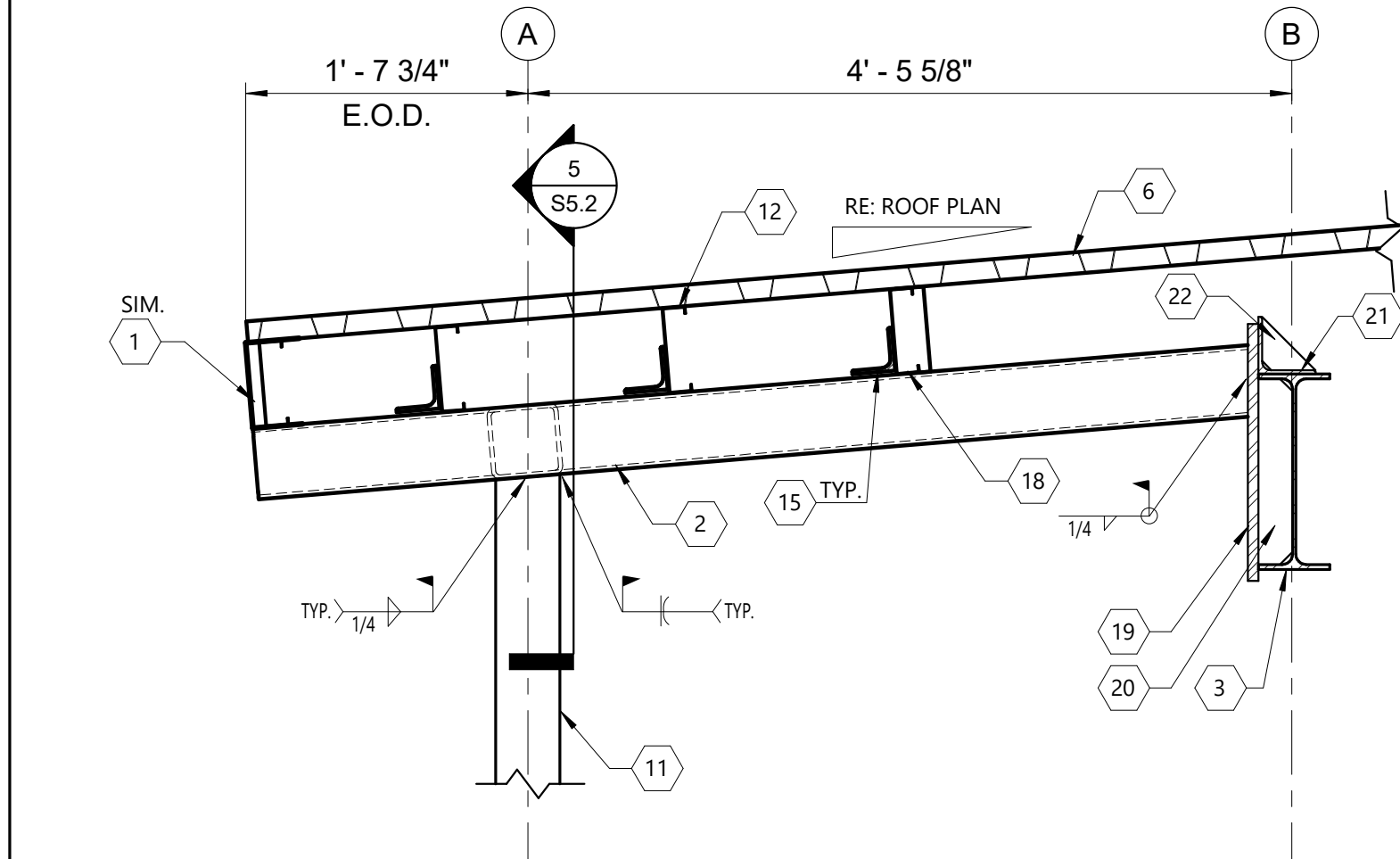
PROVIDE CONTINUOUS EDGE MEMBER (ANGLE OR BENT PLATE) AT ALL ROOF EDGES, UNLESS NOTED OTHERWISE. MINIMUM ANGLE 3x3x1/4.

MINIMUM THICKNESS OF EDGE MEMBER IS 1/4".

PROVIDE 4"x2"x1/4" SPLICE PLATE AT ALL JOINTS IN THE EDGE MEMBER. CENTER SPLICE PLATE ON JOINT AND WELD BOTH SIDES.

SPLICE PLATE

6 Typ. Edge Angle/Bent Plate At Roof  
1" = 1'-0"

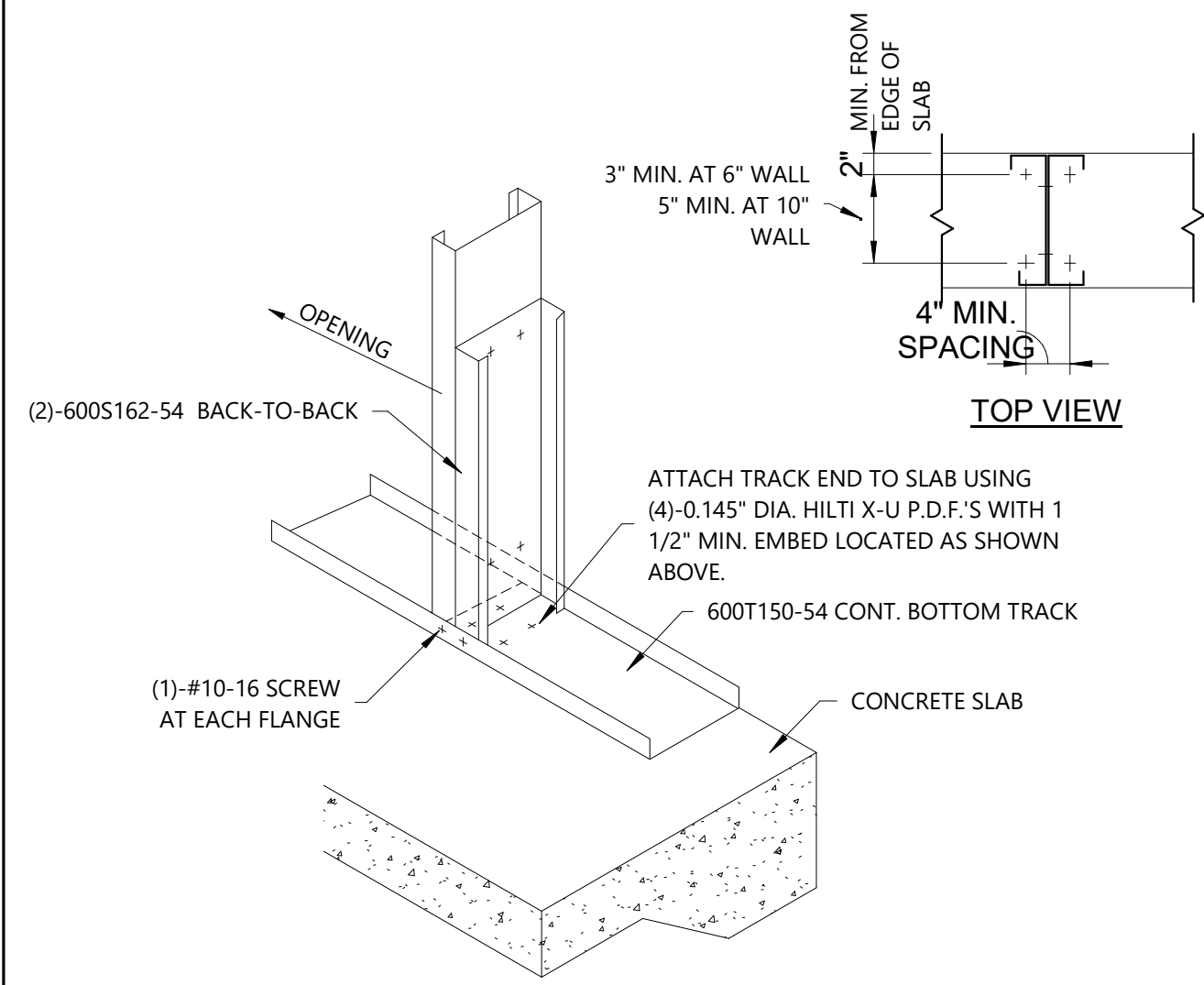


7 Section At Canopy  
1" = 1'-0"

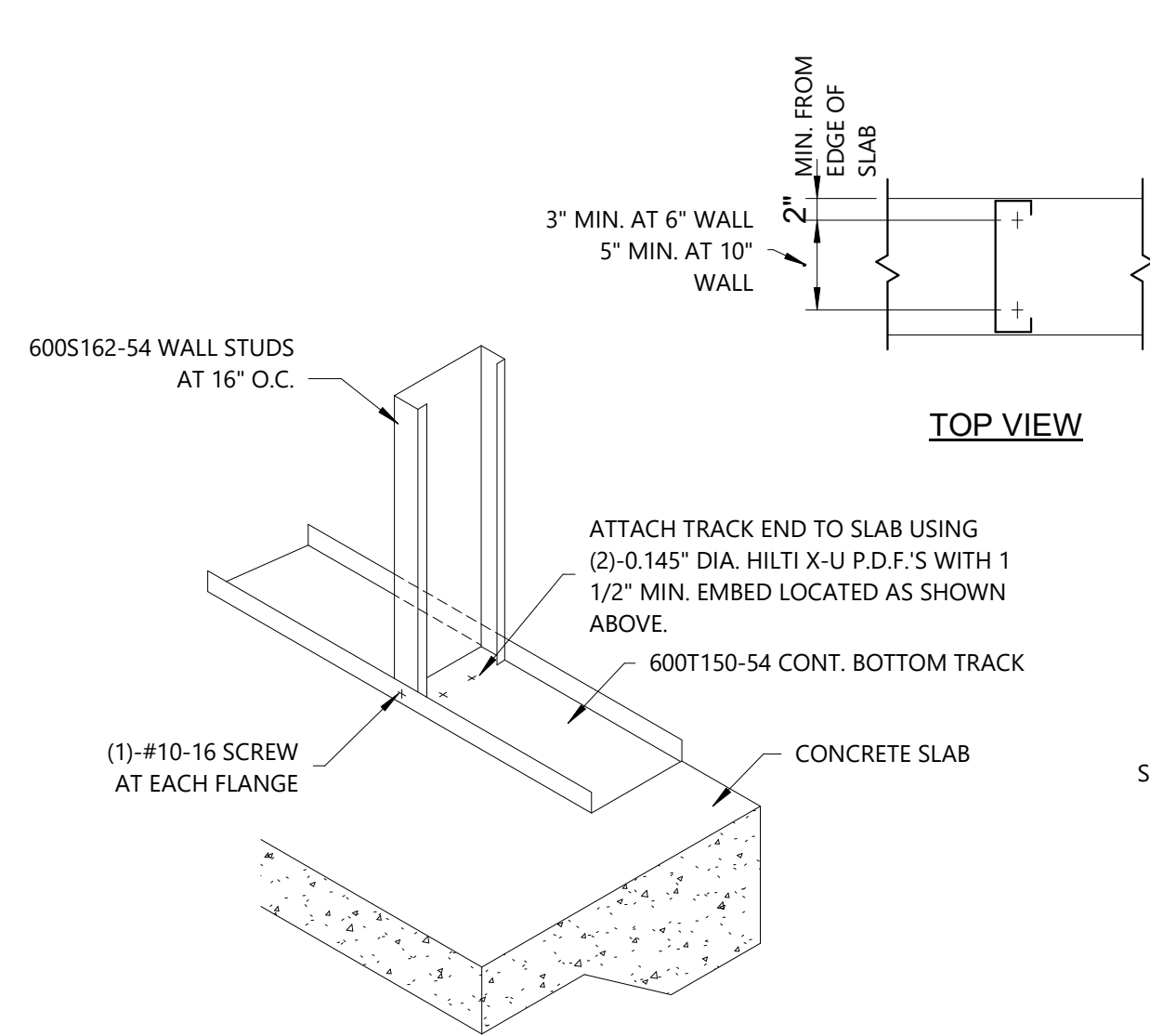
Keynote Legend

- 1 CONTINUOUS 16 GAGE BENT PLATE WITH 3" LEGS ALONG ROOF TRUSS EDGES. FASTEN EACH LEG TO TRUSS WITH (2)-#10 TEK SCREWS. LAP 12" AT SPLICE LOCATIONS AND PROVIDE (4)-#10 TEK SCREWS IN EACH LEG AT LAP.
- 2 HSS BEAM - SEE PLAN FOR SIZE AND ELEVATION.
- 3 STEEL BEAM - SEE PLAN FOR SIZE.
- 4 600S162-43 CF BLOCKING. ATTACH TO JOIST WITH SIMPSON RCA 223/97 WITH (4) #10 SCREWS.
- 5 PRE-ENGINEERED COLD-FORMED METAL TRUSSES SPACED AT 48" O.C. MAX. TRUSS SUPPLIER TO DESIGN, FURNISH, AND INSTALL ALL SUPPORT TIES AND CONNECTIONS REQUIRED TO INSTALL TRUSSES.
- 6 GALVANIZED METAL ROOF DECK. RE: PLANS AND DECK FASTENER TABLE FOR MORE INFORMATION.
- 7 EXTERIOR CFMF STUD WALL. RE: SLAB PLAN. SEE SPECIFICATION 05 4000 FOR MORE INFORMATION.
- 8 CF OUTRIGGERS, RE: ROOF PLAN FOR SIZE AND SPACING.
- 9 HSS TO HSS CONNECTION, RE: S5.1
- 10 HSS TO HSS MOMENT CONNECTION, RE: 7/S5.1
- 11 STEEL COLUMN - SEE PLAN FOR SIZE.
- 12 CFMF JOIST, RE: PLAN.
- 13 362S162-43 SOFFIT JOISTS AT 16" O.C. WITH 362T150-43 CONTINUOUS TRACK ON EACH END. ATTACH JOISTS TO EACH HSS WITH (2)-#12 TEK SCREWS.
- 14 ALL TRUSS CONNECTIONS SHALL BE DESIGNED AND PROVIDED BY TRUSS SUPPLIER.
- 15 SIMPSON RCA 223/97 ATTACHED WITH (4) #10 SCREWS.
- 16 CONTINUOUS EDGE MEMBER PER "TYPICAL EDGE ANGLE/BENT PLATE AT ROOF" DETAIL.
- 17 STIFFENER PL3/8" AT EVERY TRUSS BEARING LOCATION. WELD STIFFENER PLATE TO BEAM WEB WITH 3/16" ALL AROUND FILLET WELD.
- 18 CFMF BOXED BEAM - SEE PLAN FOR SIZE.
- 19 END PL3/4"x18"x12" SHOP WELDED TO STEEL BEAM FLANGES AND ANGLE WITH 1/4" FILLET WELD.
- 20 3/8" STIFFENER ALIGNED WITH EACH VERTICAL FACE OF HSS BEAM. WELD ALL AROUND ON ONE SIDE.
- 21 L4x4x3/8x1'-1" SHOP WELDED TO STEEL BEAM WITH 1/4" FILLET WELD ALL AROUND, ALIGN WITH END PLATE.
- 22 STIFFENER PL5/16" ALIGNED WITH HSS BEAM.
- 23 SIMPSON RCA 223/97 ATTACHED WITH (6) #10 SCREWS.
- 24 L7x4x3/8 CONTINUOUS.
- 25 362S162-43 BRACE AT 48" O.C. FASTEN EACH END WITH CLIP ANGLES AND #12 TEK SCREWS. TRUSS SUPPLIER SHALL DESIGN TRUSS FOR 1000 POUND ASD BRACE FORCE (TENSION OR COMPRESSION).
- 26 CFMF JOIST TO TRUSS CONNECTION. RE: 7/S5.0.
- 27 600T150-54 (2) #12 TEK SCREWS AT 12" O.C. TO 16GA. BENT PL. BETWEEN TRUSSES. 3" GA (STAGGERED IF REQUIRED).
- 28 EXTERIOR CFMF STUD WALL, ATTACH TO DECK WITH (2) #12 TEK SCREWS, RE: SLAB PLAN. SEE SPECIFICATION 05 4000 FOR MORE INFORMATION.

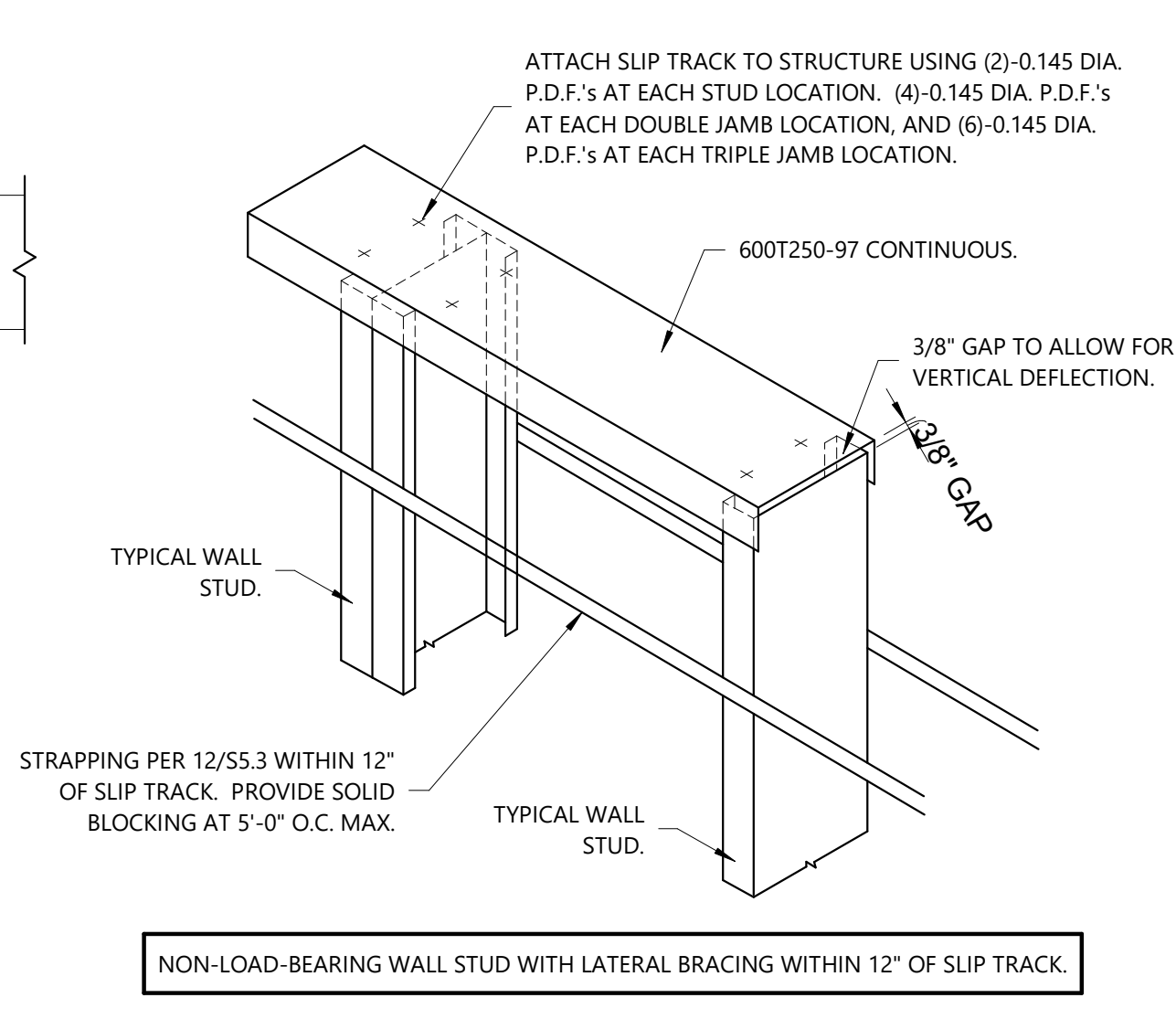




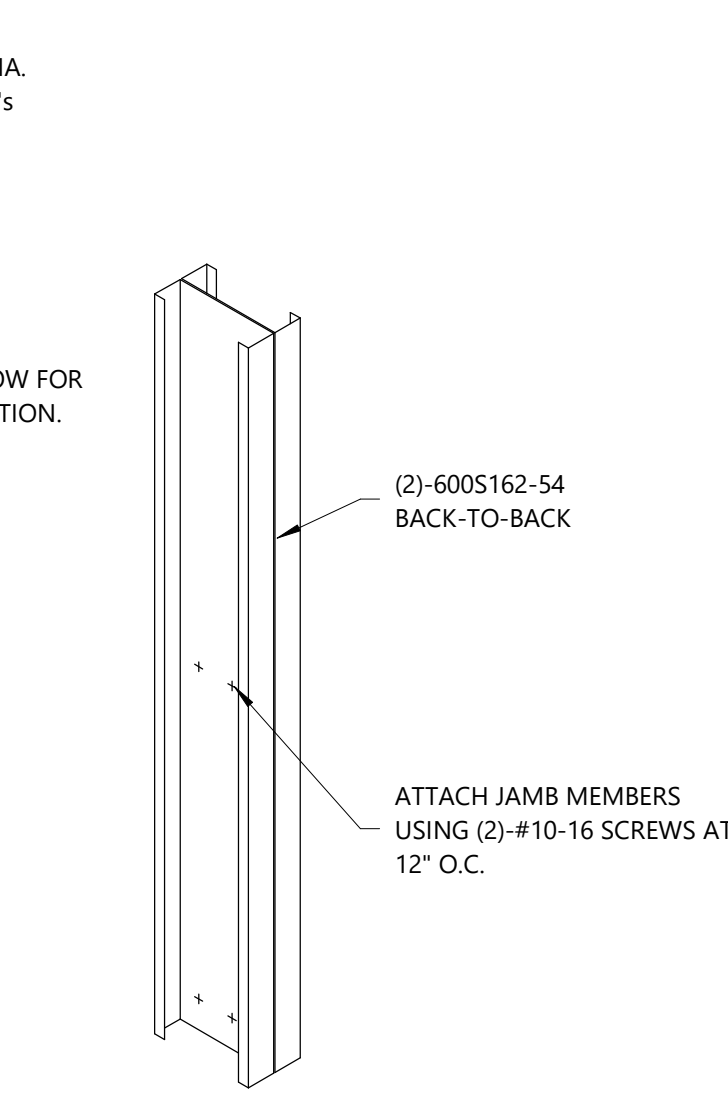
**1** Double Jamb Stud Anchorage At Opening  
3/4" = 1'-0" (SIM. AT 3-5/8" WALL STUDS)



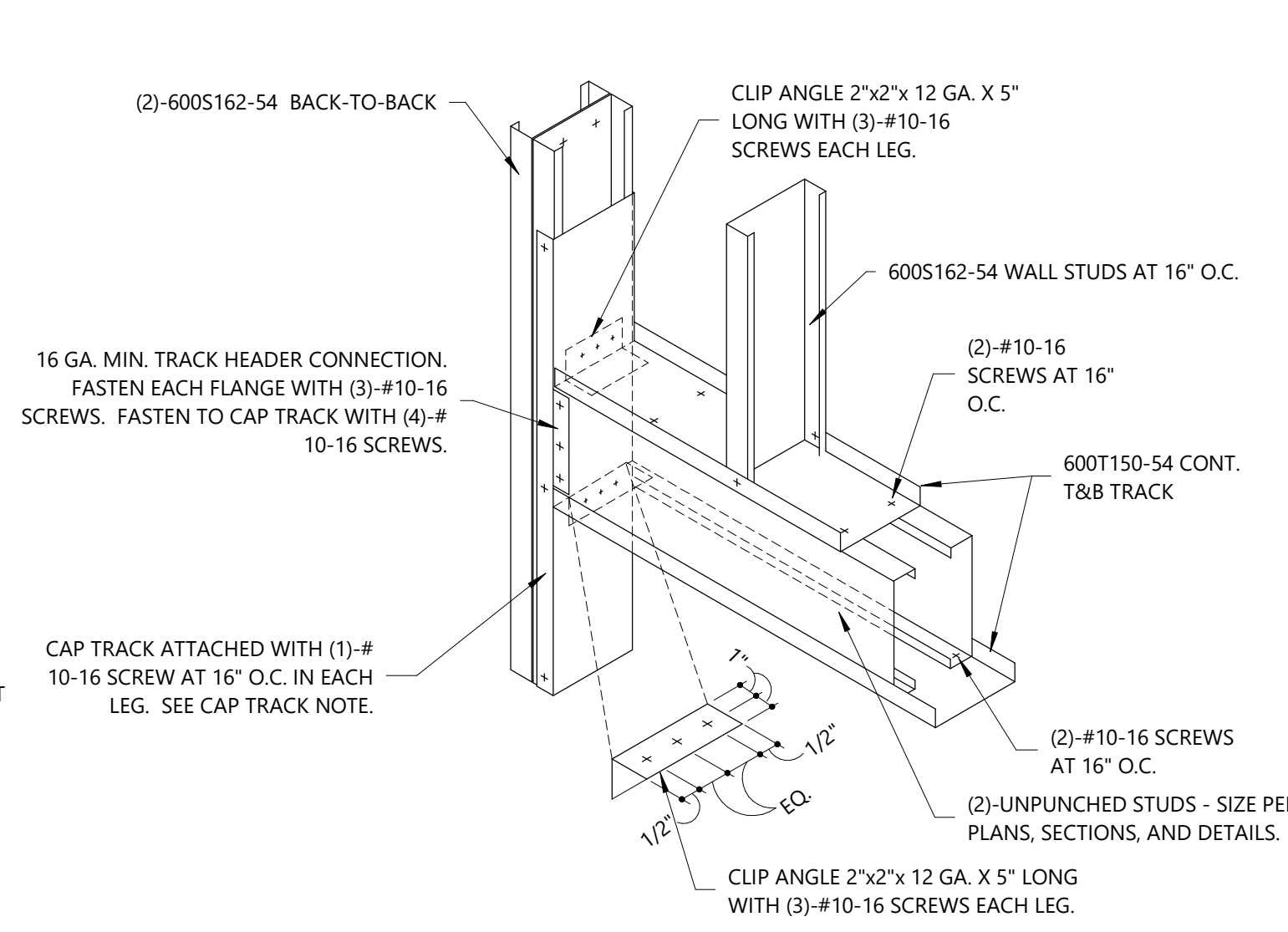
**2** Stud To Track Detail  
3/4" = 1'-0" (SIM. AT 3-5/8" WALL STUDS)



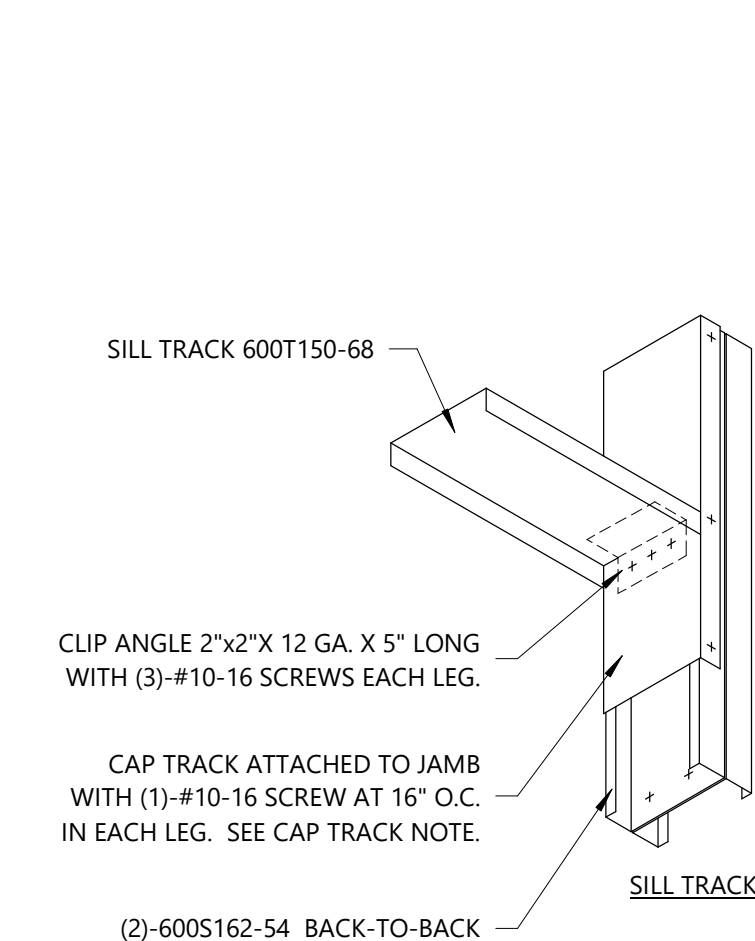
**3** Slip Track Detail  
3/4" = 1'-0" (SIM. AT 3-5/8" WALL STUDS)



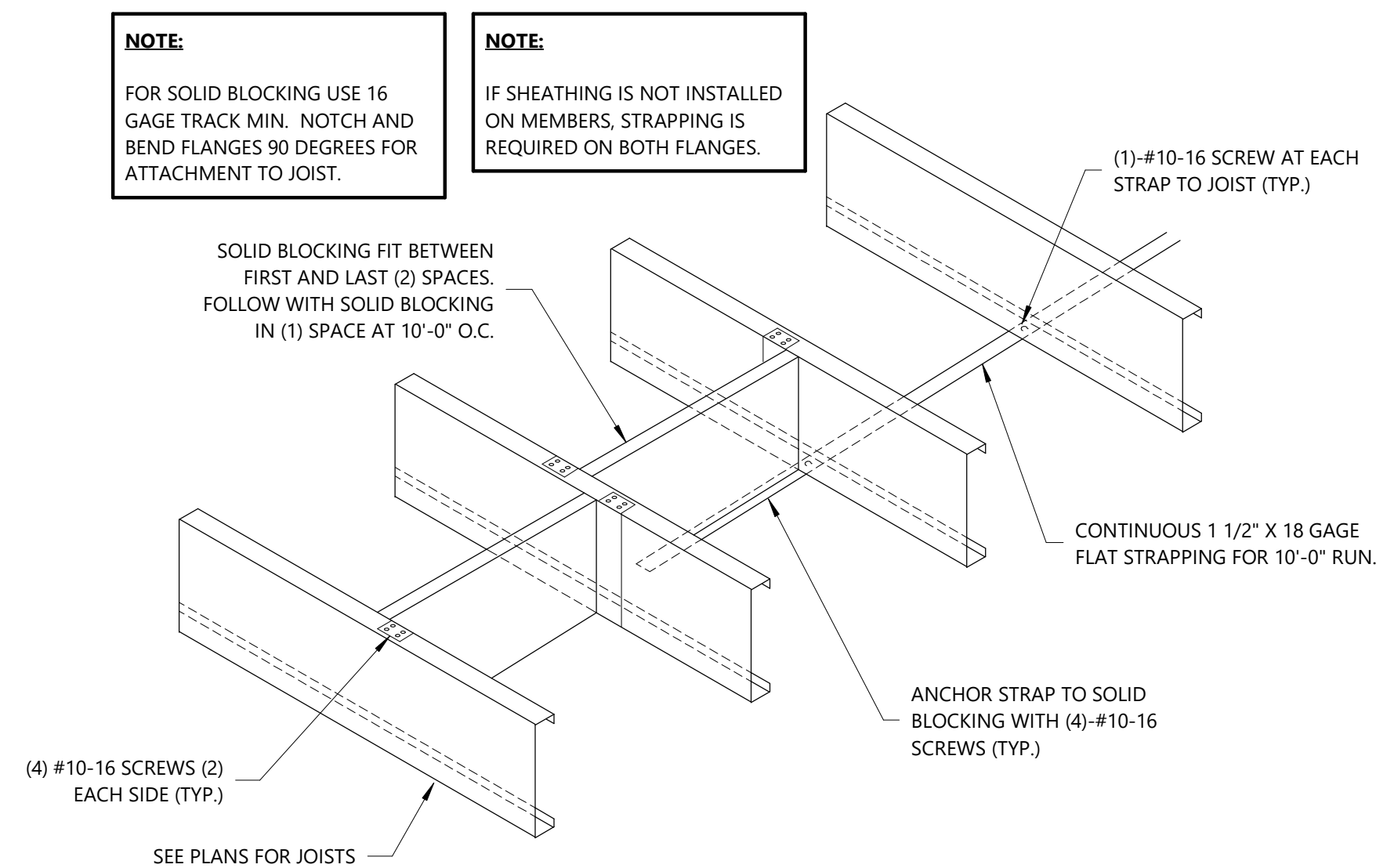
**4** Tied Jamb Studs  
3/4" = 1'-0" (SIM. AT 3-5/8" WALL STUDS)



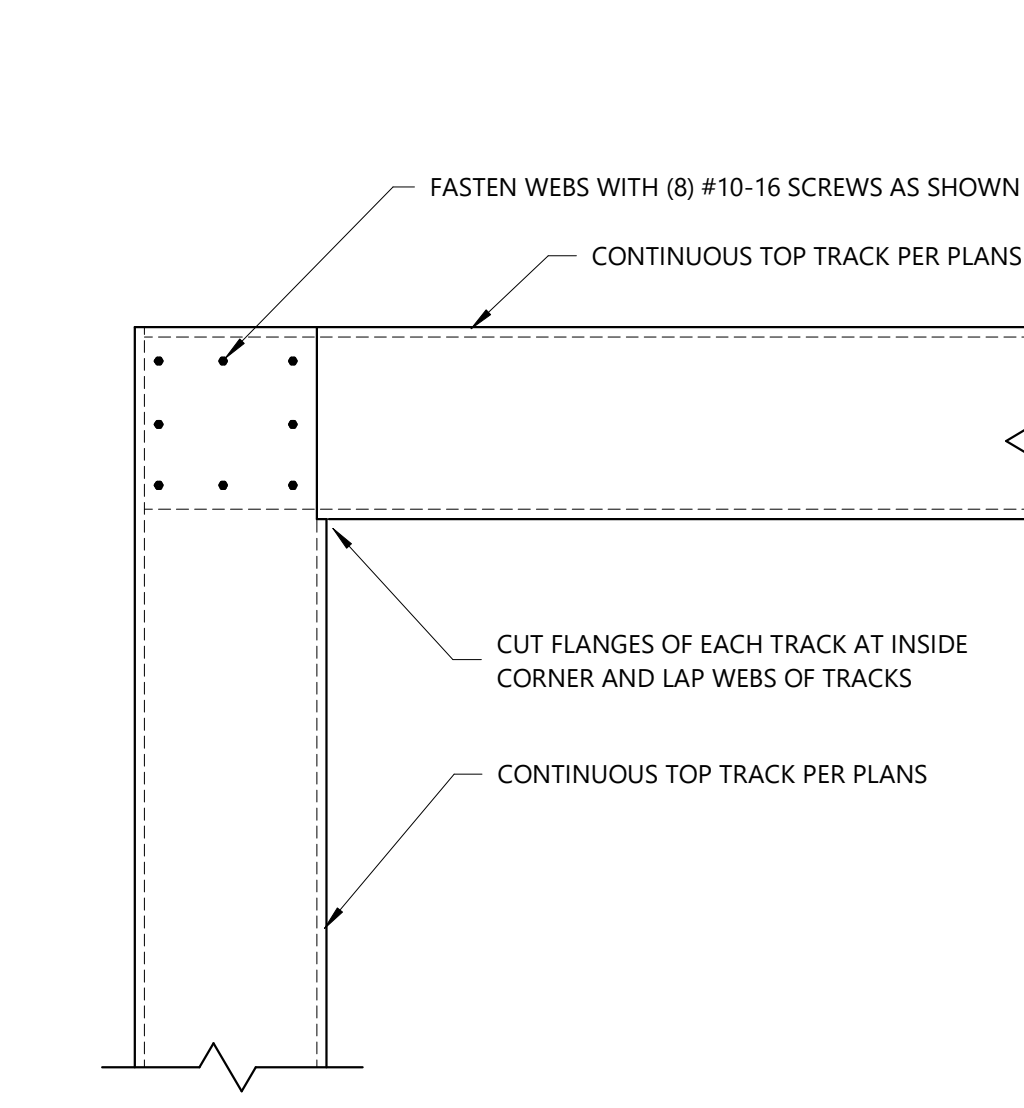
**5** Boxed Header Connection  
3/4" = 1'-0" (SIM. AT 3-5/8" WALL STUDS)



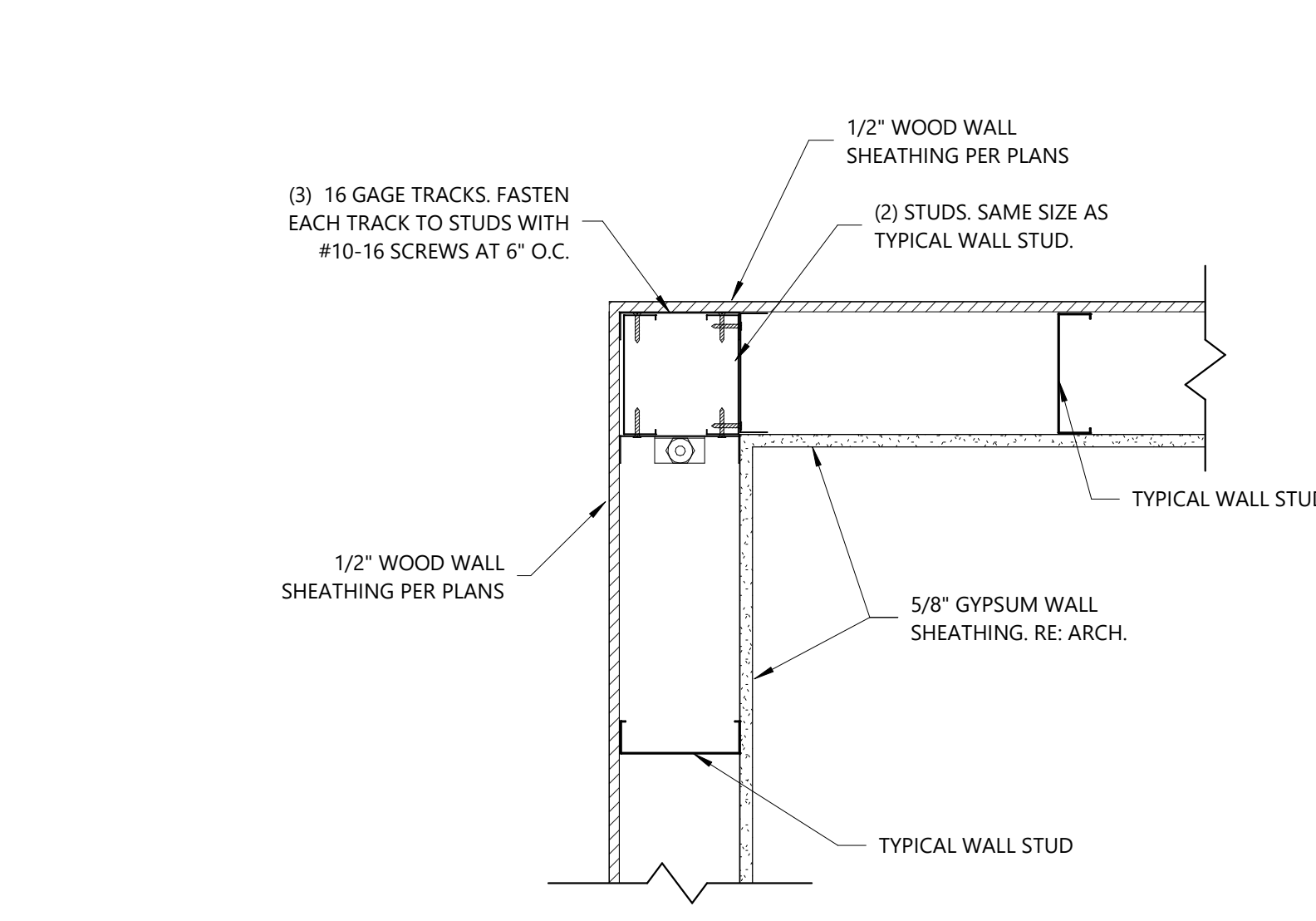
**6** Sill Track Connection  
3/4" = 1'-0" (SIM. AT 3-5/8" WALL STUDS)



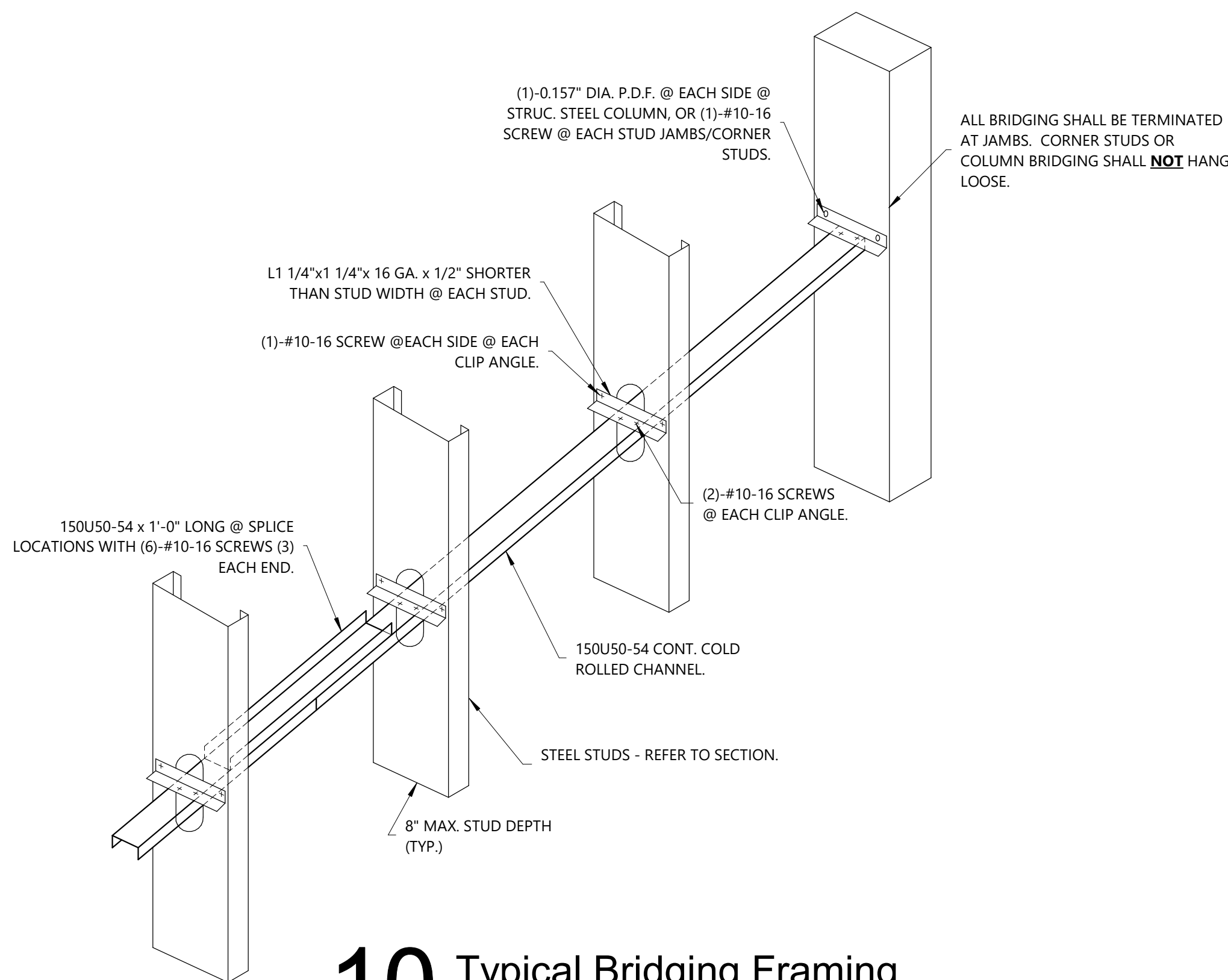
**7** Joist Bridging  
3/4" = 1'-0"



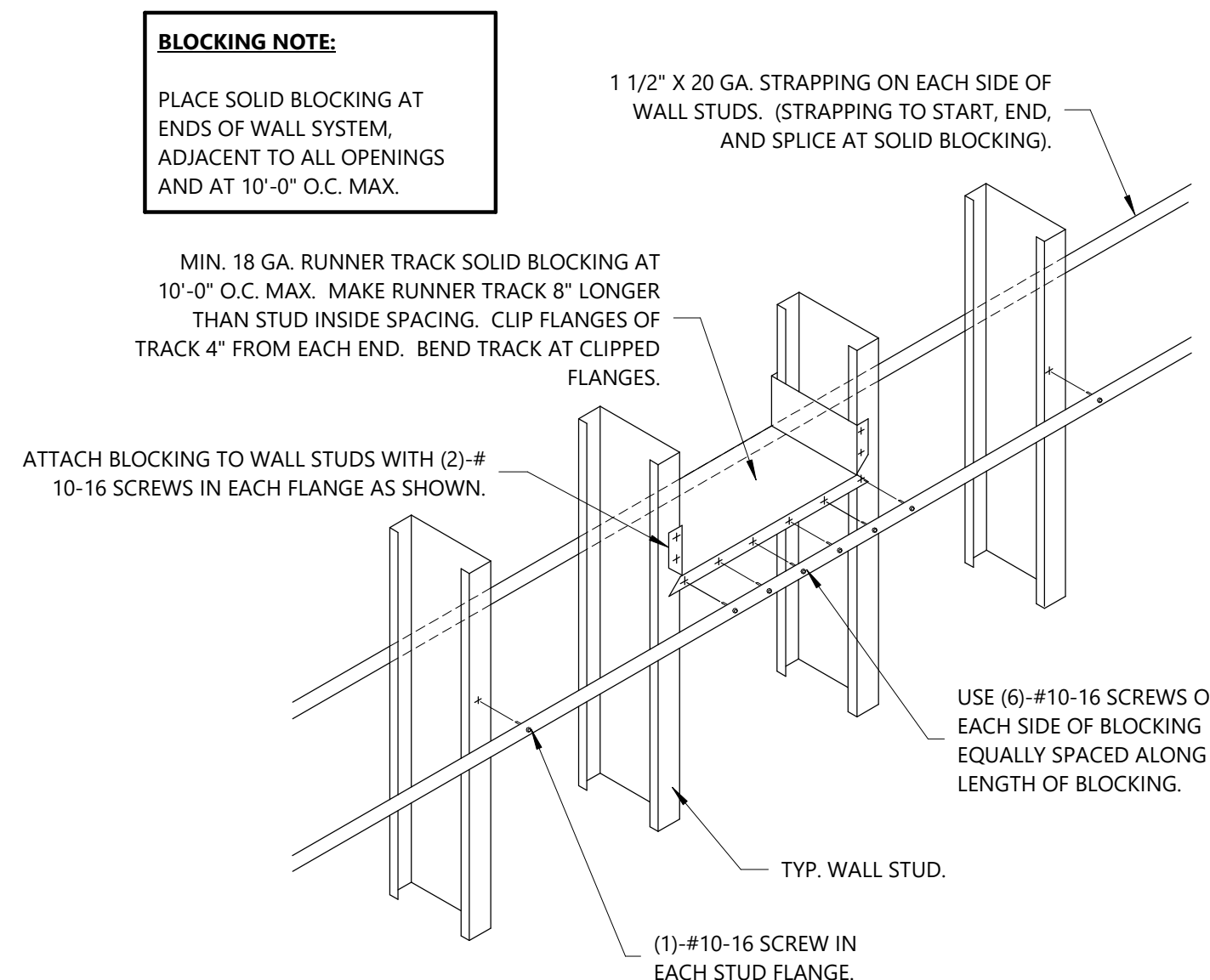
**8** Top Tracks At Wall Corner  
1 1/2" = 1'-0"



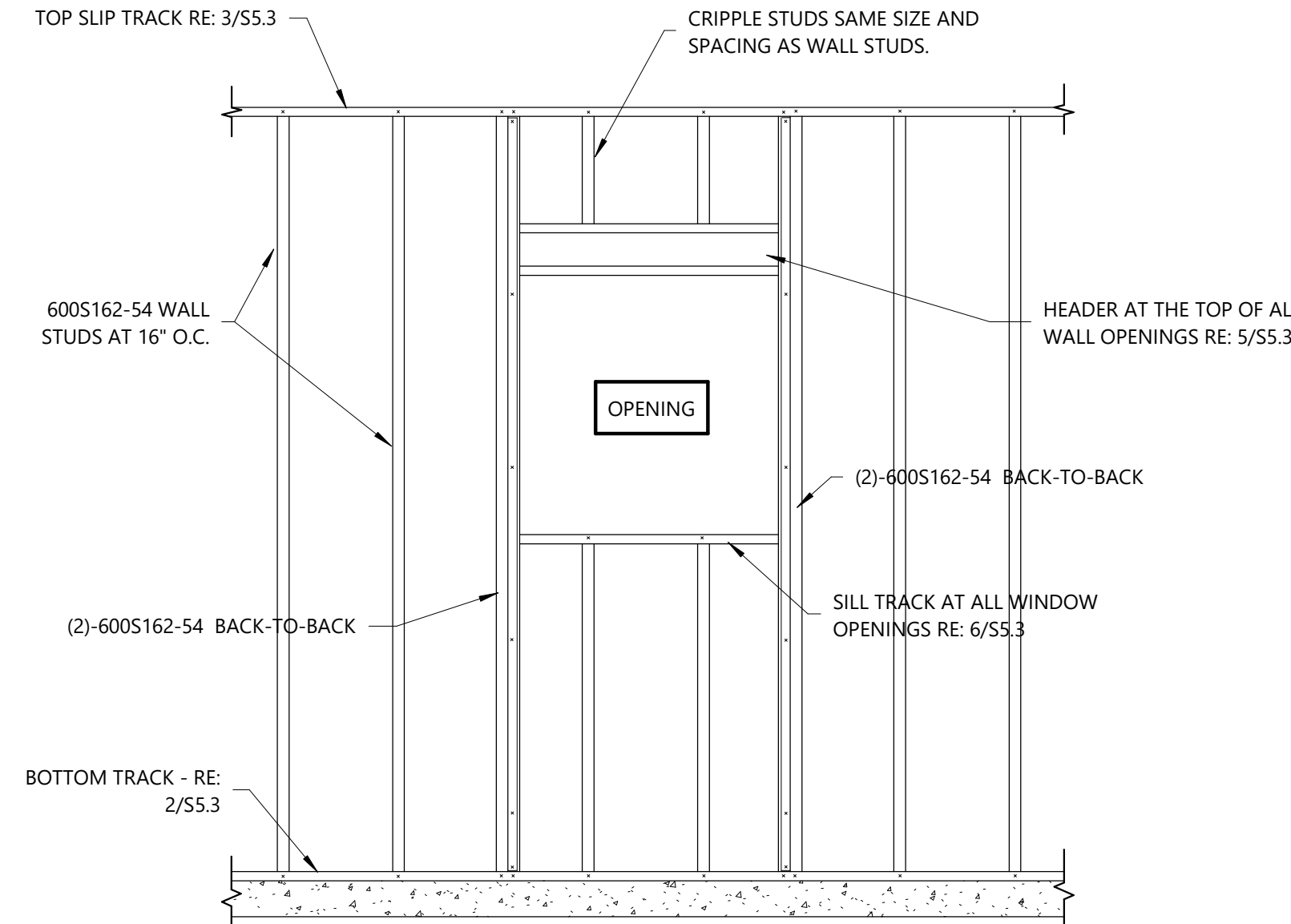
**9** Typical Wall Corner  
1 1/2" = 1'-0"



**10** Typical Bridging Framing  
1" = 1'-0"



**11** Strapping Lateral Bracing  
3/4" = 1'-0"



**12** Typical Wall Opening  
3/4" = 1'-0"

GENERAL NOTES

A. APPLICABLE DESIGN CODES & MISCELLANEOUS

INTERNATIONAL BUILDING CODE 2021  
AMERICAN CONCRETE INSTITUTE 318  
AMERICAN INSTITUTE OF STEEL CONSTRUCTION

IBC CHAPTER 17 SPECIAL INSPECTIONS:

THE OWNER OR THE OWNER'S REPRESENTATIVE IS REQUIRED TO PROVIDE SPECIAL INSPECTIONS IN ACCORDANCE WITH CHAPTER 17 OF IBC 2021. THE GENERAL CONTRACTOR IS REQUIRED TO ENGAGE AND ACCOMMODATE THE REQUIRED SPECIAL INSPECTIONS BY PROVIDING ACCESS TO ELEMENTS REQUIRED FOR INSPECTION AND BY NOTIFYING THE TESTING AGENCY 48 HOURS PRIOR TO A REQUIRED INSPECTION EVENT. THE CONTRACTOR SHALL PROVIDE REPORTS FROM THE TESTING AGENCY INDICATING COMPLIANCE WITH THE IBC REQUIREMENTS FOR:

- STEEL CONSTRUCTION (IBC 1705.2)
- CONCRETE CONSTRUCTION (IBC 1705.3)
- SOILS (IBC 1705.6)
- DRIVEN PILES (IBC 1705.7)

STRUCTURAL OBSERVATIONS:

STRUCTURAL OBSERVATIONS SHALL BE CONDUCTED BY THE ENGINEER OF RECORD TO ASSURE GENERAL COMPLIANCE WITH THE CONTRACT DOCUMENTS. THESE OBSERVATIONS WILL NOT TAKE THE PLACE OF THE CODE REQUIRED SPECIAL INSPECTIONS LISTED ABOVE OR ANY OTHER INSPECTIONS REQUIRED BY THE LOCAL BUILDING OFFICIAL. NOTIFY ENGINEER OF RECORD AND ARCHITECT FOR STRUCTURAL OBSERVATION VIA EMAIL A MINIMUM OF 72 HOURS PRIOR TO ANY OF THE FOLLOWING EVENTS:

- INSTALLATION OF PILES
- ALL CONCRETE/GROUT POURING (WITH IDENTIFICATION OF SPECIFIC ELEMENTS TO BE POURED)
- NEAR COMPLETION OF STRUCTURAL STEEL ERECTION.
- PLACEMENT OF INTERIOR SHEATHING COVERING COLD-FORMED METAL FRAMING.
- PLACEMENT OF ROOFING COVERING ROOF DECK.

FAILURE TO NOTIFY MAY REQUIRE REMOVAL OF COMPLETED WORK.

PROVIDE COMPREHENSIVE ELECTRONICALLY TRANSMITTED PHOTOS OF ANY REQUESTED WORK TO ENGINEER PRIOR TO ANY OF THE ABOVE EVENTS IN LIEU OF OBSERVATION IF DEEMED ACCEPTABLE BY ENGINEER.

B. DESIGN LOADS AND REQUIREMENTS SECTION

(1) FIRST FLOOR DESIGN LOADS

LIVE LOAD (OFFICE) ----- 50 PSF (REDUCIBLE)  
LIVE LOAD (CONFERENCE) --100 PSF (REDUCIBLE)  
LIVE LOAD ----- 2000 LB (CONCENTRATED)

(2) ROOF DESIGN LOADS

LIVE LOAD -----20 PSF (REDUCIBLE)  
LIVE LOAD -----300 LB (CONCENTRATED)  
GROUND SNOW LOAD ----- 0 PSF

(3) LATERAL DESIGN - WIND

ASCE 7-10  
ULTIMATE DESIGN WIND SPEED (V<sub>ult</sub>)----- 143 MPH  
NOMINAL DESIGN WIND SPEED (V<sub>nom</sub>)----- 111 MPH  
EXPOSURE CATEGORY ----- B  
RISK CATEGORY ----- II  
INTERNAL PRESSURE COEFFICIENT ----- +/-0.18  
MWFRS - DIRECTIONAL PROCEDURE

(4) LATERAL DESIGN -SEISMIC

ASCE 7-10  
IMPORTANCE FACTOR ----- 1.0  
S<sub>s</sub> ----- 0.097g  
S<sub>1</sub> ----- 0.052g  
E  
S<sub>ss</sub> ----- 0.161g  
S<sub>u1</sub> ----- 0.122g  
SEISMIC DESIGN CATEGORY----- B  
C<sub>s</sub> ----- 0.0540  
DESIGN BASE SHEAR ----- 0.0540\*W  
R ----- 3  
EQUIVALENT LATERAL-FORCE ANALYSIS METHOD.  
STEEL SYSTEMS NOT SPECIFICALLY DETAILED FOR SEISMIC RESISTANCE.

C. GEOTECHNICAL

THE FOUNDATION AND SLAB DESIGN WAS BASED ON THE GEOTECHNICAL INVESTIGATION BY EUSTIS ENGINEERING LLC DATED 4/30/2021. THE GENERAL CONTRACTOR IS RESPONSIBLE FOR REVIEWING THE GEOTECHNICAL REPORT PRIOR TO BIDDING. A COPY OF THE GEOTECHNICAL REPORT IS AVAILABLE AT THE ARCHITECT'S OFFICE FOR REVIEW.

TESTING AGENCY SHALL INSPECT FOUNDATION SUBGRADE FOR ADEQUACY TO ACHIEVE THE DESIGN BEARING CAPACITY PRIOR TO DRY BOTTOM/FOOTING PLACEMENT. NO PRECIPITATION EVENT SHALL OCCUR IN TIME BETWEEN SUBGRADE APPROVAL AND DRY BOTTOM/FOOTING PLACEMENT.

D. DRIVEN TIMBER PILES

ALL PILES SHALL BE AS PER ASTM D25-12(2022) WITH MINIMUM TIP DIAMETER OF 7" AND MINIMUM BUTT DIAMETER OF 12".

TIMBER PILES SHALL BE TREATED WITH A PRESSURE PRESERVATION TREATMENT IN ACCORDANCE WITH AWWA STANDARD C3 FOR FOUNDATION PILES. TREAT FIELD CUTS PER AWWA.

ADJACENT STRUCTURES SHALL BE PHOTOGRAPHED BEFORE AND AFTER PILE DRIVING OPERATIONS TO VERIFY THAT NO DAMAGE HAS OCCURRED TO THESE BUILDINGS. CONTRACTOR SHALL REPAIR ALL SUCH DAMAGES AT NO COST TO THE OWNER.

OWNER SHALL PAY FOR A TESTING LAB TO SET UP AND MONITOR A SEISMOGRAPH MACHINE AT ANY STRUCTURE WITHIN 200' OF PILE DRIVING OPERATIONS TO MONITOR VIBRATIONS DURING PILE INSTALLATION. SUBMIT RESULTS IMMEDIATELY TO ARCHITECT AND ENGINEER.

THE CONTRACTOR SHALL BE SET UP TO PROVIDE A WET PRE-DRILL WHERE AND AS DIRECTED BY THE ENGINEER WITH AN 8" DIA. DOWNWARD DISCHARGING 3 BLADE DEMON WET ROTARY BIT. THE PRE-DRILL LOCATIONS AND DEPTH MAY BE VARIED AND SHALL BE AT NO ADDITIONAL COST TO THE OWNER.

THE PILES SHALL BE DRIVEN WITH FIXED LEADS USING A VULCAN NO. 1 HAMMER PROVIDING 15,000 FOOT-POUNDS OF ENERGY UNLESS OTHERWISE APPROVED BY ENGINEER. THE CONTRACTOR SHALL BE SET UP TO HALF-STROKE THE HAMMER WHERE AND AS DIRECTED BY THE ENGINEER AT NO ADDITIONAL COST TO THE OWNER.

DRIVE PILES TO BUTT ELEVATIONS SHOWN ON THE DRAWINGS. IMMEDIATELY USE FOLLOWER IF AND AS REQUIRED TO DRIVE PILES TO SPECIFIED ELEVATION PRIOR TO PROCEEDING WITH THE INSTALLATION OF THE NEXT PILE.

REFUSAL CRITERIA FOR ACCEPTABLE PILES IF APPLICABLE SHALL BE WHEN THE PILE DRIVEN EMBEDMENT LENGTH NEARS THE DESIGN EMBEDMENT LENGTH WITHIN 2' AND THE PILE DRIVING IS +/-35 BLOWS PER FOOT WITH NO MOVEMENT, OR THE PILE HAS THREE CONSECUTIVE FEET OF BLOW COUNTS OF AT LEAST 25 BLOWS PER FOOT. RE-DRIVES SHALL BE REQUIRED OTHERWISE WHERE PILE REFUSAL DOES NOT MEET THIS STATED REFUSAL CRITERIA.

PILES SHALL BE DRIVEN TO WITHIN 3" MAX. OF INDICATED PLAN LOCATION AND SHALL MAINTAIN A PLUMBNESS OF 1" IN 10' OR 4" MAXIMUM UNLESS SPECIFIED TO BE BATTERED.

REPLACE ANY MIS-DRIVEN, MIS-LOCATED OR DAMAGED PILES AS DIRECTED BY THE ENGINEER AT NO COST TO THE OWNER.

PILE DESIGN ALLOWABLE COMPRESSION (DOWNWARD) LOAD: 16.5 TONS (FS=3); PILE DESIGN TENSION (UPWARD) LOAD: 8 TONS (FS=3).

PILE CAPACITIES BASED ON GEOTECHNICAL ANALYSIS FOR END BEARING PILES UTILIZING A FACTOR OF SAFETY OF 3. NO PILE LOAD TEST TO BE CONDUCTED.

E. CONCRETE AND GROUT

CONCRETE MIXING, HANDLING, PLACING, AND CURING SHALL BE IN ACCORDANCE WITH ACI 301.

SEE THE "CONCRETE MIX REQUIREMENTS" TABLE FOR DESCRIPTIONS AND REQUIREMENTS OF CONCRETE TYPES.

SLAG IS NOT PERMITTED IN ANY CONCRETE FOR THIS PROJECT.

ALL GROUT SHALL BE NON-SHRINK GROUT. THERE SHALL BE 2" NON-SHRINK GROUT BENEATH ALL COLUMN BASE PLATES.

ALL FLOOR DRAINS, DROPS, CURBS, ETC. SHALL BE COORDINATED WITH ARCHITECTURAL AND MECHANICAL DRAWINGS.

SEE PLUMBING DRAWINGS FOR LOCATIONS OF ALL FLOOR DRAINS. SLOPE GROUND FLOOR SLAB AND ELEVATED SLABS AT ALL FLOOR DRAINS AWAY FROM WALLS IN ROOM TO LOW POINT AT FLOOR DRAIN WHICH SHALL BE SET 1/2" BELOW FINISHED FLOOR OF SLAB, UNLESS NOTED OTHERWISE.

ALL GRADE BEAMS, AND OTHER CONCRETE FOUNDATION EDGES SHALL BE FULLY PLYWOOD FORMED.

ALL EXPOSED SURFACES OF CONCRETE WALLS, FOUNDATION EDGES, AND SLAB EDGES SHALL BE PLYWOOD FORMED AND COATED WITH A REPAIR MORTAR.

RANDOM TRAFFIC FLOOR FINISH TOLERANCES (F<sub>2</sub> AND F<sub>1</sub> ) FOR SLABS ARE TO MEET SPECIFIED OVERALL FLATNESS OF SOF<sub>F</sub> = 35 AND SPECIFIED OVERALL LEVELNESS OF SOF<sub>L</sub> = 25 WITH MINIMUM LOCAL VALUES OF MLF<sub>2</sub> = 21 AND MLF<sub>1</sub> = 15, AS EXPRESSED IN ACI 117, SECTION 4, AND MEASURED WITHIN 72 HOURS IN ACCORDANCE WITH ASTM E 115.

THE CONTRACTOR SHALL INCLUDE IN THE BID THE COMPLETE COST OF AN ADDITIONAL 5 CUBIC YARDS OF UNSCHEDULED 4000 PSI STRUCTURAL FOUNDATION/SLAB CONCRETE FOR MISCELLANEOUS USE TO BE DELIVERED, PLACED, FORMED, AND FINISHED AS DIRECTED BY STRUCTURAL ENGINEER.

VERIFY ALL SLAB EDGE DIMENSIONS AT DOORS AND FULL-HEIGHT WINDOWS WITH ARCHITECTURAL DRAWINGS PRIOR TO SETTING OF GROUND FLOOR SLAB EDGE FORMS. AT LOCATIONS WHERE SLAB EDGE EXTENDS PAST OUTSIDE EDGE OF DOOR OR FULL-HEIGHT WINDOW, SLOPE SLAB DOWN 1/4" FROM OUTSIDE FACE OF DOOR WINDOW TO SLAB EDGE, UNLESS NOTED OTHERWISE.

F. CONCRETE REINFORCEMENT

ALL REBARS SHALL BE GRADE 60 (F<sub>y</sub> = 60,000 PSI MIN.)

VAPOR RETARDER AT GROUND FLOOR SLABS TO BE 15 MIL WITH TAPED JOINTS. REFERENCE SPECIFICATIONS FOR CAST-IN-PLACE CONCRETE FOR ADDITIONAL INFORMATION.

HOOK ALL GRADE BEAM TOP BARS AT THE END OF THE GRADE BEAM.

PROVIDE (2)-#6 CORNER BARS (a=36",b=36") ONE TOP AND ONE BOTTOM AT THE OUTSIDE FACE OF ALL GRADE BEAM CORNERS.

PROVIDE (4)-#6 CORNER BARS (a=36",b=36") TWO TOP AND TWO BOTTOM AT ALL GRADE BEAM INTERSECTIONS.

PROVIDE HORIZONTAL #4 (a=24", b=24") CORNER BARS AT ALL CONCRETE WALL CORNERS TO LAP WITH WALL REINFORCING BARS, U.N.O.

PLACE AND SECURE ALL EMBEDDED ITEMS INCLUDING REINFORCING DOWELS, ANCHOR BOLTS, FORM SAVER DOWELS AND EMBED PLATES PRIOR TO PLACING OF CONCRETE. **DO NOT WET STICK ANY OF THESE ITEMS**, UNLESS NOTED OTHERWISE HEREIN OR PERMITTED BY ENGINEER OF RECORD IN WRITING. THIS DOES NOT APPLY TO SINGLE-BAR REINFORCEMENT IN DRILLED SHAFTS.

THE CONTRACTOR SHALL INCLUDE IN THE BID THE COMPLETE COST OF AN ADDITIONAL 250 POUNDS OF UNSCHEDULED ASTM A615 GRADE 60 REBAR FOR MISCELLANEOUS USE TO BE FABRICATED, DELIVERED, PLACED, AND TIED AS DIRECTED BY STRUCTURAL ENGINEER.

G. POST-INSTALLED ANCHORS

IF SPECIFIC POST-INSTALLED ANCHOR IS NOT INDICATED ON DRAWINGS, THEN THE FOLLOWING POST-INSTALLED ANCHORS OR ADHESIVE SHALL BE USED FOR THIS PROJECT UNLESS EQUAL SUBSTITUTIONS ARE SUBMITTED AND APPROVED.

THE BELOW PRODUCTS ARE THE DESIGN BASIS FOR THIS PROJECT. SUBSTITUTION REQUESTS FOR PRODUCTS OTHER THAN THOSE LISTED BELOW MAY BE SUBMITTED BY THE CONTRACTOR TO THE ENGINEER OF RECORD FOR REVIEW. SUBSTITUTIONS WILL ONLY BE CONSIDERED FOR PRODUCTS HAVING A CODE REPORT RECOGNIZING THE PRODUCT FOR THE APPROPRIATE APPLICATION. SUBSTITUTION REQUESTS SHALL INCLUDE CALCULATIONS THAT DEMONSTRATE THE SUBSTITUTED PRODUCT IS CAPABLE OF ACHIEVING THE EQUIVALENT PERFORMANCE VALUES OF THE DESIGN BASIS PRODUCT.

CONTRACTOR SHALL CONTACT MANUFACTURER'S REPRESENTATIVE FOR PRODUCT INSTALLATION TRAINING AND A LETTER SHALL BE SUBMITTED TO THE ENGINEER OF RECORD INDICATING TRAINING HAS TAKEN PLACE. SPECIAL INSPECTIONS ARE REQUIRED PER THE IBC AND ICC-ES REPORTS.

EXPANSION ANCHORS  
• STRONG BOLT 2 BY SIMPSON STRONG TIE  
• KWIK BOLT-T2 BY HILTI  
• OR APPROVED EQUAL

CONCRETE OR MASONRY SCREWS  
• TITEN BY SIMPSON STRONG TIE  
• KWIK-CON II BY HILTI  
• OR APPROVED EQUAL

EPOXY ADHESIVE  
• HIT-RE 500v3 BY HILTI  
• SET-XP BY SIMPSON STRONG TIE  
• OR APPROVED EQUAL

HEAVY DUTY SCREW ANCHORS  
• TITEN HD BY SIMPSON STRONG-TIE  
• KH-EZ BY HILTI  
• OR APPROVED EQUAL

ALL POST-INSTALLED ANCHORS SHALL BE INSTALLED WITH STRICT ADHERENCE TO THE MANUFACTURER'S WRITTEN INSTALLATION INSTRUCTIONS.

FOR ALL POST INSTALLED ANCHOR APPLICATIONS, HOLES SHALL BE DRILLED WITH A HAMMER DRILL, U.N.O. ALL DRILLED HOLES FOR ADHESIVE ANCHORS SHALL BE BRUSHED AND BLOWN CLEAN WITH COMPRESSED AIR AS SPECIFIED BY THE MANUFACTURER.

ALL ADHESIVE ANCHORS SHALL BE INSTALLED IN DRY CONCRETE, U.N.O.

DO NOT INSTALL POST-INSTALLED ANCHORS INTO NEW CONCRETE UNTIL DESIGN 28-DAY COMPRESSIVE STRENGTH HAS BEEN ACHIEVED AND IN NO CASE LESS THAN 7 DAYS.

ALL POST-INSTALLED ANCHORS AND ACCESSORIES EXPOSED TO WEATHER SHALL BE HOT-DIP GALVANIZED (OR HAVE APPROVED EQUAL CORROSION RESISTANCE).

H. STRUCTURAL STEEL

STRUCTURAL STEEL MEMBERS SHALL BE MADE USING THE FOLLOWING GRADES:

WIDE FLANGE SHAPES ----- ASTM A-992  
HSS ----- ASTM A500, GRADE C  
PIPES ----- ASTM A53, TYPE E OR S  
PLATE, BARS, & ANGLES ----- ASTM A36

ALL STRUCTURAL STEEL SHALL BE FABRICATED, COATED, AND ERECTED AS PER THE AISC SPECIFICATIONS.

ALL WELDS SHALL BE WITH E70XX ELECTRODES AND IN ACCORDANCE WITH AWS STANDARDS. MINIMUM FILLET WELD SIZE SHALL BE 1/4" - U.N.O. FOULING ELEMENTS SUCH AS PAINT, OIL, GREASE, OR OTHER CONTAMINANTS SHALL BE REMOVED AT ALL WELDED CONNECTIONS PRIOR TO WELDING.

ALL FRAMING CONNECTIONS SHALL BE MADE WITH THE MAXIMUM NUMBER OF ROWS OF 3/4" A325-N TENSION CONTROL BOLTS FOR GIVEN BEAM DEPTH. - U.N.O.

ALL TUBULAR STEEL COLUMNS SHALL HAVE 1/2" CAP PLATES - U.N.O.

THE CONTRACTOR SHALL ASSURE THAT THE STRUCTURE HAS BEEN ERECTED TRUE AND SUITABLE TEMPORARY BRACING AND GUYS SHALL BE INSTALLED TO MAINTAIN SAID TRUENESS. THE STRUCTURAL STEEL FRAMEWORK SHALL BE BRACED OR GUYED UNTIL FINAL ERECTION IS COMPLETE AND DECKING AND PERMANENT BRACES HAVE BEEN ERECTED.

THE STEEL FABRICATOR SHALL PROVIDE AN ALLOWANCE IN HIS BASE BID FOR A TOTAL OF ONE TON OF ADDITIONAL ERECTED MISCELLANEOUS STEEL AS DEEMED NECESSARY BY STRUCTURAL ENGINEER. THIS ALLOWANCE SHALL COVER ALL DETAILING, FABRICATION, MATERIALS, PAINTING, DELIVERY, ERECTION, COATINGS, AND OTHER ASSOCIATED COSTS. THE EXACT SIZE AND QUANTITY OF STEEL MATERIAL SHALL BE SELECTED BY THE STRUCTURAL ENGINEER AS REQUIRED. DEDUCTIONS FROM STEEL ALLOWANCE SHALL BE MADE IN TERMS OF WEIGHT OF MATERIAL ADDED. ANY UNUSED PORTIONS OF THIS ALLOWANCE SHALL BE CREDITED BACK TO THE OWNER AT THE RATE OF \$8,000.00 PER TON.

CONTRACTOR TO PROVIDE GALVANIZED STEEL LINTELS AS REQUIRED TO SUPPORT BRICK AND/OR MASONRY VENEER ABOVE ALL OPENINGS IN ACCORDANCE WITH THE FOLLOWING SCHEDULE (UNLESS NOTED OTHERWISE):

CLEAR OPENING	ANGLE SIZE
0' TO 4'	1x4x1/4 LLV
4' TO 9'	1x6x3/8 LLV
9' TO 12'	1x7x3/8 LLV

LINTEL ANGLES SUPPORTING BRICK AND/OR MASONRY VENEER SHALL HAVE A MINIMUM BEARING SUPPORT LENGTH OF 8".

ALL STRUCTURAL STEEL INDICATED ON PLANS AS GALVANIZED (OR GALV) SHALL BE HOT-DIP GALVANIZED PER THE REQUIREMENTS OF THE PROJECT SPECIFICATIONS. TOUCH UP ALL BREAKS IN GALVANIZE WITH A ZINC RICH COLD GALVANIZE COMPOUND PER 051200 SPECIFICATIONS.

I. METAL DECKING

ALL METAL DECK SHALL BE FABRICATED AND ERECTED AS PER THE STEEL DECK INSTITUTE'S STANDARDS AND THE MANUFACTURER'S SPECIFICATIONS.

SEE THE "METAL DECKING REQUIREMENTS" TABLE FOR DESCRIPTION OF METAL DECKING.

PUDDLE WELDS (IF SPECIFIED) THAT BURN THROUGH DECKING ARE NOT ACCEPTABLE, AND SHALL BE REPAIRED.

ALL ROOF OPENINGS AND OTHER SUCH REQUIREMENTS SHALL BE COORDINATED WITH THE ARCHITECTURAL, MECHANICAL, ELECTRICAL, AND PLUMBING DRAWINGS.

J. COLD-FORMED METAL FRAMING

COLD-FORMED METAL FRAMING SUPPLIER MUST BE A MEMBER OF AND PROVIDE SECTIONS MEETING THE PRODUCT STANDARDS AND QUALITY STANDARDS SET BY THE STEEL STUD MANUFACTURERS ASSOCIATION (SSMA).

COLD-FORMED METAL FRAMING MEMBER SIZING DESIGNATIONS ARE PER THE NOMENCLATURE ESTABLISHED BY THE STEEL STUD MANUFACTURERS ASSOCIATION (SSMA). SEE THE FOLLOWING EXAMPLE:

800S200-43

800 = MEMBER DEPTH TO TWO DECIMAL PLACES = 8.00"  
S = MEMBER TYPE, STUD OR JOIST  
200 = FLANGE WIDTH TO TWO DECIMAL PLACES = 2.00"  
43 = MINIMUM DESIGN THICKNESS OF THE METAL IN MILS

ALL COLD-FORMED METAL FRAMING MEMBERS SHALL HAVE MINIMUM THICKNESS OF 43 MILS, U.N.O.

PROVIDE CONTINUOUS 12 GAGE BENT PLATE (2"x2" MIN. U.N.O.) AROUND PERIMETER OF ROOF FORMED BY PRE-ENGINEERED ROOF TRUSSES AND COLD-FORMED METAL FRAMING ROOF JOISTS INCLUDING MECH. PENETRATIONS, ROOF EDGES, ETC.

PROVIDE BRIDGING AND END BLOCKING FOR ALL JOIST SPANS. SIZE AND SPACING SHALL BE PER MANUFACTURER'S RECOMMENDATIONS.

ALL CONDUIT AND OTHER PENETRATIONS IN WALL STUDS SHALL BE MADE THRU THE TYPICAL OVAL PUNCHOUT IN THE STUD. IF LARGER OPENINGS ARE REQUIRED, THE GENERAL CONTRACTOR SHALL COORDINATE BETWEEN MECHANICAL/ELECTRICAL SUBCONTRACTORS AND THE COLD-FORMED METAL FRAMING ENGINEER TO ENSURE THAT THE OPENINGS ARE PROPERLY CONSIDERED IN DESIGN.

NO SPLICES IN STUDS, JOISTS, BEAMS, HEADERS, OR OTHER LOAD CARRYING MEMBERS MAY BE MADE WITHOUT PRIOR ENGINEERING REVIEW AND SPECIFIC DETAILS FOR ANY SUCH REVISION TO THE ORIGINAL DESIGN.

ALL FRAMING COMPONENTS SHALL BE CUT SQUARELY FOR ATTACHMENT TO PERPENDICULAR MEMBERS. STUD ENDS MUST SEAT TIGHTLY INTO TRACKS IN ALL BEARING APPLICATIONS.

K. PRE-ENGINEERED COLD-FORMED METAL TRUSSES

CALCULATIONS FOR THE ROOF TRUSSES SHALL BE BASED UPON THE FOLLOWING CRITERIA:

TOP CHORD LIVE LOAD ----- 20 PSF  
TOP CHORD DEAD LOAD ----- 10 PSF  
BOTTOM CHORD LIVE LOAD ----- 0 PSF  
BOTTOM CHORD DEAD LOAD ----- 10 PSF  
MAX. SPACING ----- 4'-0" O.C. MAX.  
DEFLECTION  
TOTAL LOAD ----- L/240  
LIVE LOAD ----- L/360

ASCE 7-10  
ULTIMATE WIND SPEED ----- 143 MPH  
EXPOSURE CATEGORY ----- B  
RISK CATEGORY ----- II

ALL PRE-ENGINEERED ROOF TRUSSES SHALL BE SECURED TO THEIR SUPPORTING MEMBERS TO RESIST THE WIND UPLIFT AND SHEAR FORCES. THE CONNECTION SHALL BE DESIGNED, FURNISHED, AND INSTALLED BY PRE-ENGINEERED TRUSS SUPPLIER.

ALL PRE-ENGINEERED COLD-FORMED METAL METAL ROOF TRUSSES SHALL BE FABRICATED, HANDLED, ERECTED, AND BRACED PER THE LIGHT GAGE STEEL ENGINEERS ASSOCIATION (LGSEA) STANDARDS TO ENSURE ALL LOADS ARE TRANSMITTED TO THE SUPPORTING MEMBERS PER THE TRUSS ENGINEER'S ASSUMPTIONS.

PROVIDE CONTINUOUS 12 GAGE BENT PLATE (2"x2" MIN. U.N.O.) AROUND PERIMETER OF ROOF FORMED BY PRE-ENGINEERED COLD-FORMED METAL ROOF TRUSSES AND COLD-FORMED METAL ROOF JOISTS INCLUDING MECH. PENETRATIONS, ROOF EDGES, ETC. FASTEN EACH LEG OF BENT PLATE TO TRUSS WITH #12 TEK SCREW.

PROVIDE CONTINUOUS 18 GAGE BENT PLATE WITH 6" WIDE LEGS AT ALL RIDGES, HIPs, AND VALLEYS OF ROOFS. FASTEN EACH LEG OF BENT PLATE WITH #12 TEK SCREWS AT 6" O.C.

STRUCTURAL CALCULATIONS STAMPED BY A CIVIL ENGINEER LICENSED IN LOUISIANA SHALL BE PROVIDED FOR ALL PRE-FABRICATED COMPONENTS.

A TRUSS PERMANENT BRACING PLAN, STAMPED BY A CIVIL ENGINEER LICENSED IN LOUISIANA, MUST BE SUBMITTED FOR APPROVAL PRIOR TO ANY TRUSSES BEING PLACED.

TRUSS SUPPLIER SHALL DESIGN AND PROVIDE ALL HEADERS AND HARDWARE FOR TRUSS TO TRUSS CONNECTIONS.

THE TRUSS SUB-CONTRACTOR IS RESPONSIBLE FOR INSPECTING THE IN-PLACE TRUSSES TO ENSURE THAT THEY HAVE BEEN INSTALLED PER THE DESIGN SUBMITTED FOR APPROVAL.

TRUSSES TO BE DESIGNED FOR ANY CONCENTRATED LOADS BETWEEN PANEL POINTS DUE TO MECH./ELEC./PLUMBING WORK. GENERAL CONTRACTOR TO COORDINATE LOCATIONS AND ATTACHMENTS WITH APPLICABLE SUB-CONTRACTOR AND WITH TRUSS MANUFACTURER PRIOR TO TRUSS DESIGN.

ANY MISC. STEEL REQUIRED FOR TEMPORARY AND PERMANENT TRUSS BRACING, TRUSS-TO-TRUSS AND TRUSS-TO-BEARING CONNECTIONS SHALL BE INCLUDED IN METAL TRUSS PRICE.

SEE SPECIFICATIONS FOR MINIMUM SECTION PROPERTIES FOR TOP AND BOTTOM CHORD MEMBERS FOR ALL COLD-FORMED METAL TRUSSES.

L. NOTICE

THE USE OF REPRODUCTION OF THESE CONTRACT DRAWINGS BY THE CONTRACTOR, SUB-CONTRACTOR, ERECTOR, FABRICATOR, OR MATERIAL SUPPLIER IN LIEU OF PREPARED SHOP DRAWINGS SIGNIFIES HIS ACCEPTANCE OF ALL INFORMATION SHOWN HEREON AS CORRECT AND OBLIGATES HIMSELF TO ANY JOB EXPENSE, REAL OR IMPLIED, ARISING FROM ANY ERRORS THAT MAY BE PRESENT HEREON.

IN THE EVENT OF CONFLICTING OR DIFFERING REQUIREMENTS INDICATED ON THE STRUCTURAL DRAWINGS AND/OR SPECIFICATIONS THAT HAVE NOT BEEN CLARIFIED OR CHANGED, THE CONTRACTOR SHALL PROVIDE THE BETTER QUALITY, GREATER QUANTITY, OR MORE STRINGENT UNLESS DIRECTED OTHERWISE BY ARCHITECT/ENGINEER.

THE CONTRACT STRUCTURAL DRAWINGS AND SPECIFICATIONS REPRESENT THE FINISHED STRUCTURE. THEY DO NOT INDICATE THE METHOD OF CONSTRUCTION, EXCEPT WHERE SPECIFIC REQUIREMENTS ARE PROVIDED. THE CONTRACTOR SHALL PROVIDE ALL MEASURES NECESSARY TO PROTECT THE STRUCTURE AND PERSONNEL DURING CONSTRUCTION. SUCH MEASURES SHALL INCLUDE, BUT NOT BE LIMITED TO, BRACING, SHORING FOR LOADS DUE TO CONSTRUCTION EQUIPMENT, EXCAVATION PROTECTION, SCAFFOLDING, JOB SITE SAFETY, ETC. STRUCTURAL ENGINEER SHALL NOT BE RESPONSIBLE FOR THE CONTRACTOR'S MEANS, METHODS, TECHNIQUES, PROCEDURES, OR SEQUENCES OF CONSTRUCTION.

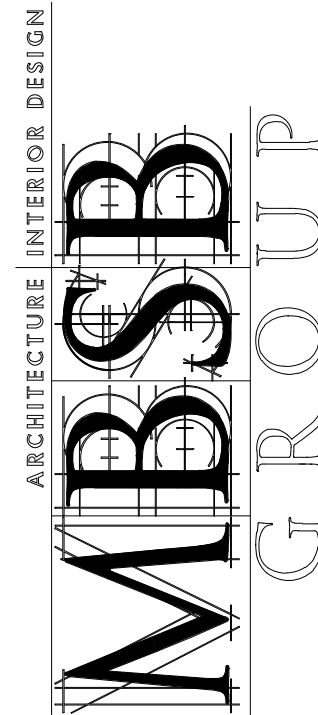
FIELD VERIFICATIONS

CONTRACTOR TO FIELD MEASURE ALL NEEDED DIMENSIONS PRIOR TO ORDERING MATERIAL.

CONTRACTOR IS RESPONSIBLE FOR FIELD VERIFICATION OF ALL DETAILS, GEOMETRY, DIMENSIONS, AND ELEVATIONS PRIOR TO ORDERING/FABRICATION OF MATERIALS. CONTACT ARCHITECT AND ENGINEER IMMEDIATELY IF ANY DIMENSIONS, DETAILS, OR ELEVATIONS ARE NOT FOUND TO MATCH THOSE SHOWN ON THE PLANS.

ABBREVIATIONS

@ ----- AT  
A/E ----- ARCHITECT/ENGINEER  
A.F.F. ----- ABOVE FINISHED FLOOR  
ARCH. ----- ARCHITECTURAL  
BF ----- BRACED FRAME  
BM. ----- BEAM  
B.O.C. ----- BEAM ON COLUMN  
B.O.S. ----- BOTTOM OF STEEL  
BOT. ----- BOTTOM  
BTM. ----- BOTTOM  
C.F.M.F. OR CFMF ----- COLD-FORMED METAL FRAMING  
C.I.P. ----- CAST-IN-PLACE  
C.G OR CG ----- CENTER OF GRAVITY  
CJP ----- COMPLETE JOINT PENETRATION  
CL OR CL ----- CENTER LINE  
C.O.B. ----- COLUMN ON BEAM  
COL. ----- COLUMN  
CONT. ----- CONTINUOUS  
CONNX. ----- CONNECTION  
EL ----- ELEVATION  
ELEV. ----- ELEVATION  
ELEC. ----- ELECTRICAL  
E.O.A. ----- EDGE OF ANGLE  
E.O.R. ----- ENGINEER OF RECORD  
E.O.S. ----- EDGE OF SLAB  
EXIST. ----- EXISTING  
F.F. ----- FINISH FLOOR  
FIN. FLR. ----- FINISH FLOOR  
GA. ----- GAGE  
GC ----- GENERAL CONTRACTOR  
GL ----- GLUE-LAMINATED  
GR. BM. ----- GRADE BEAM  
HI ----- DETAIL APPLIES HIGH  
H.S.A. OR HSA ----- HEADED STUD ANCHOR  
H.S.A.S. ----- HEADED STUD ANCHORS  
HSS ----- HOLLOW STRUCTURAL SECTION  
LO ----- DETAIL APPLIES LOW  
M.B.S. ----- METAL BUILDING SUPPLIER  
MECH. ----- MECHANICAL  
MEP ----- MECHANICAL, ELECTRICAL, PLUMBING  
O.C. ----- ON CENTER  
O.C.E.W. ----- ON CENTER EACH WAY  
OPP. ----- OPPOSITE  
PEMBs ----- PRE-ENGINEERED METAL BUILDING SUPPLIER  
PL ----- PLATE  
P.T. ----- POST TENSION OR POST-TENSIONED  
POST-TENS ----- POST TENSION OR POST-TENSIONED  
REINF. ----- REINFORCEMENT  
RTU ----- ROOF TOP UNIT  
SIM. ----- SIMILAR  
STR ----- STRENGTH  
T.O. ----- TOP OF  
T.O.C. ----- TOP OF CONCRETE  
T.O.J. ----- TOP OF JOIST  
T.O.S. ----- TOP OF SLAB  
U.N.O. ----- UNLESS NOTED OTHERWISE  
V.O.J. ----- VERIFY ON JOBSITE  
W/ ----- WITH  
WF ----- WIDE FLANGE  
WWF ----- WELDED WIRE FABRIC



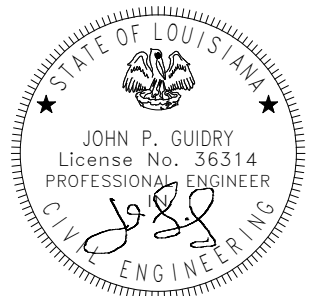
101 LA RUE FRANCE, SUITE 205  
LAFAYETTE, LOUISIANA 70508  
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SAINT PAUL THE APOSTLE CATHOLIC CHURCH  
NEW CHURCH OFFICE BUILDING

6828 CHEF MENTEUR HWY.  
NEW ORLEANS, LA 70126

CONSTRUCTION DOCUMENTS

project no. 2019008.00  
date 9/15/2023  
designed by OC  
drawn by RD  
checked by TS/DD  
revised



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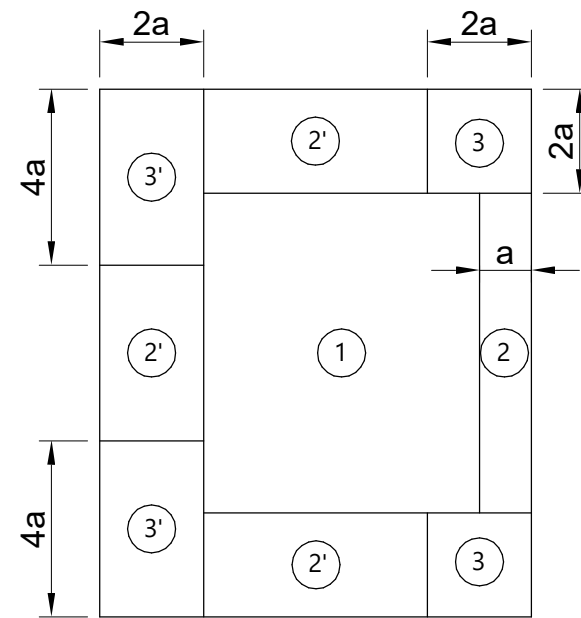
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CONCRETE MIX REQUIREMENTS							
USAGE	AGGREGATE	MIN. CEMENT (lb/yd <sup>3</sup> )	SLUMP (inches)	7 DAY STR. (psi)	28 DAY STR. (psi)	WATER REDUCER	REMARKS
GRADE BEAMS	①	489	4	2000	3000	(B)	—
WALLS & PEDESTALS	①	545	4	2700	4000	(B) (C)	—
SLAB	①	545	7	2700	4000	(B) (C)	—
DRY BOTTOMS	—	—	—	—	1500	—	—
ALL OTHERS	①	545	7	2700	4000	(A)	—
<div>① REGULAR SAND AND GRAVEL (145 pcf)</div> <div>(A) MID-RANGE WATER REDUCER</div> <div>(B) CONTRACTOR'S OPTION - IF WATER REDUCER IS USED, THEN SLUMP SHALL BE 7".</div> <div>(C) TOTAL AIR: RE: SPECS</div>				<div><b>NOTES:</b></div> <div>THE SLUMP IN THE TABLE ABOVE IS GIVEN AT POINT OF PLACEMENT. THE ALLOWABLE TOLERANCE FOR SLUMP IS PLUS OR MINUS ONE INCH FROM THE VALUES GIVEN IN THE TABLE.</div> <div>CONCRETE NOT MEETING THE SPECIFIED SEVEN DAY STRENGTH SHALL EITHER BE REMOVED OR CONSTRUCTION MUST BE STOPPED IN THE QUESTIONABLE AREA UNTIL THE 28 DAY TEST VALUES HAVE BEEN APPROVED.</div> <div>SEE GENERAL NOTES FOR ADDITIONAL REQUIREMENTS.</div> <div>REFERENCE SPECIFICATION SECTION 03 3000- FOR PROPORTIONING AND DESIGN OF MIXES.</div>			

COMPONENTS AND CLADDING WIND PRESSURES (PSF)														
ZONE EWA (sf)	ZONE 1		ZONE 2		ZONE 3		ZONE 4		ZONE 5		OVERHANG ZONE 1		OVERHANG ZONE 2&3	
10	-67	18	-89	39	-89	39	-42	39	-52	39	-61	18	-82	39
20	-63	16	-83	37	-83	37	-40	37	-48	37	-60	16	-75	37
50	-57	16	-75	35	-75	35	-38	35	-44	35	-58	16	-65	35
100	-53	16	-70	33	-70	33	-35	31	-37	31	-57	16	-57	33
500	-42	16	-56	29	-56	29	-32	29	-32	29	-36	16	-40	29
<div><b>NOTES:</b></div> <div>1. EWA IS THE EFFECTIVE WIND AREA OF A STRUCTURAL COMPONENT AS DEFINED IN ASCE 7.</div> <div>2. ZONES SHOWN ARE BASED ON ASCE 7, FIGURES 30.4-1, 30.4-5A AND 30.7-2 OR WALL, ROOF AND OVERHANG RESPECTIVELY.</div> <div>3. PLUS AND MINUS SIGNS INDICATE PRESSURE ACTING TOWARD AND AWAY FROM THE EXTERIOR SURFACES, RESPECTIVELY.</div> <div>4. COMPONENT AND CLADDING PRESSURES NOT PROVIDED SHALL BE CALCULATED BASED ON LATERAL DESIGN PROVISIONS PROVIDED IN THE GENERAL NOTES.</div> <div>5. LINEAR INTERPOLATION MAY BE USED TO DETERMINE DESIGN PRESSURES FOR EWA VALUES BETWEEN 10 FT. SQUARED AND 100 FT. SQUARED.</div> <div>6. 5 PSF MAY BE SUBTRACTED FROM DESIGN PRESSURES GIVEN ABOVE TO DETERMINE NET UPLIFT FOR ROOF JOIST DESIGN. DO NOT APPLY LOAD REDUCTION TO OVERHANG ZONES.</div> <div>7. EDGE WIDTH DIMENSION "a"=11.5'</div> <div>8. PRESSURE VALUES SHOWN ABOVE ARE ULTIMATE (1.0W).</div>														



MONOSLOPE ROOFS  
30° < θ ≤ 10°  
H ≤ 60' & ALT DESIGN H<90'

## C&C Wind Pressure Zones - ASCE 7-16

1/8" = 1'-0"

## REBAR LAP SPLICE REQUIREMENTS (MIN.)

LOCATION		BEAMS AND FOUNDATIONS		WALLS AND SLABS	
BAR	f'c	3000 PSI	4000 PSI	3000 PSI	4000 PSI
#3		21"	18"	21"	18"
#4		28"	24"	28"	24"
#5		35"	30"	35"	30"
#6		42"	36"	42"	36"
#7		49"	42"	49"	42"
#8		56"	48"	56"	48"

### GENERAL NOTES:

LAP SPLICE LENGTHS ABOVE APPLY TO ALL REINFORCING BARS FOR THIS PROJECT, UNLESS SPECIFICALLY NOTED OTHERWISE IN THESE PLANS.

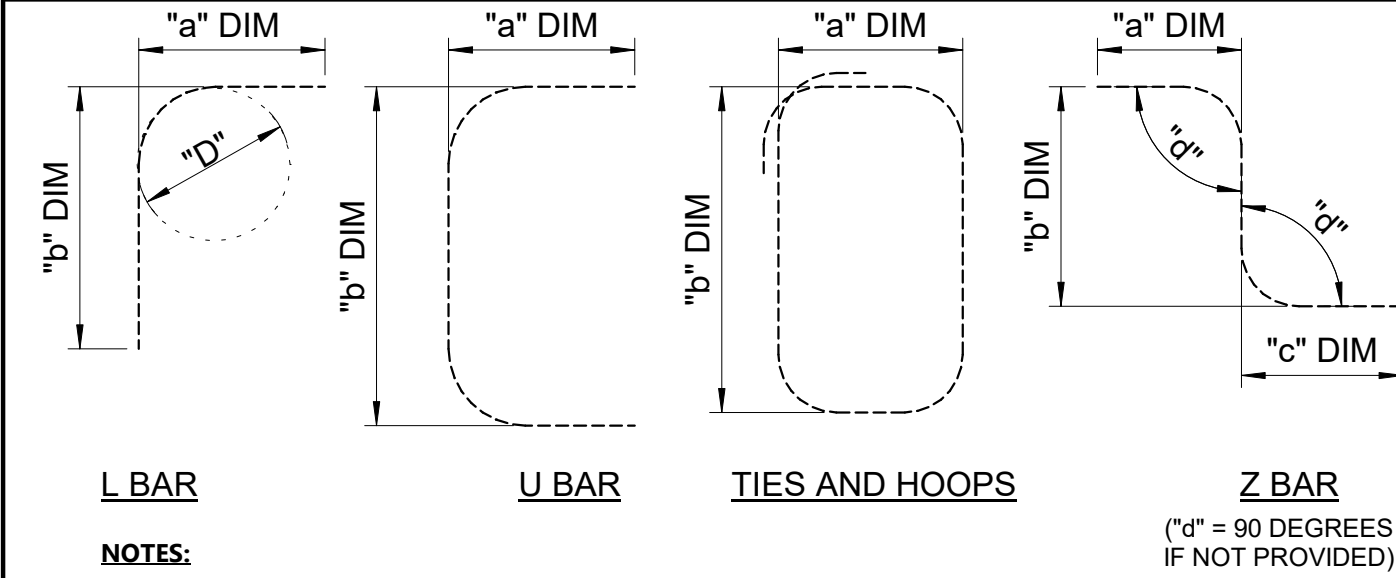
LAP SPLICE LENGTHS IN TABLE ABOVE DO NOT PERTAIN TO REINFORCING IN MASONRY CONSTRUCTION. REFER TO GENERAL NOTES FOR SPLICE REQUIREMENTS IN MASONRY CONSTRUCTION.

ALL LAP SPLICES PROVIDED ABOVE ARE FOR NORMAL WEIGHT CONCRETE AND GRADE 60 REINFORCING BARS IN TENSION. SPLICES FOR WALL AND SLAB BARS ARE BASED ON A MINIMUM OF 1" CLEAR COVER.

FOR LIGHTWEIGHT AGGREGATE CONCRETE, MULTIPLY THE TABULATED VALUES BY 1.3.

LAP SPLICES FOR GRADE BEAM TOP BARS SHALL BE PLACED IN THE CENTER OF THE SPAN BETWEEN DRILLED SHAFTS (OR PILES). LAP SPLICES FOR GRADE BEAM BOTTOM BARS SHALL BE PLACED DIRECTLY ABOVE A DRILLED SHAFT (OR PILE).

## STANDARD BAR BEND DIAGRAMS



SEE DETAILS AND KEYNOTES FOR DIMENSIONS OF ALL BARS AND TIES.

WHERE "a" AND "b" DIMENSIONS ARE NOT GIVEN, BASE DIMENSIONS ON CLEAR COVER DIMENSIONS FROM OUTER EDGE OF CONCRETE.

UNLESS NOTED OTHERWISE, ALL BAR BEND DIAMETERS ("d") SHALL BE IN ACCORDANCE WITH LATEST VERSION OF ACI 318.

## METAL DECKING REQUIREMENTS

TYPE	DECKING	FASTENER LAYOUT		FASTENER METHOD			REMARKS
		SUPPORT	SIDE LAPS PER SPAN	SUPPORT LINES CF FRAMING	ALL FRMG. >= 3/16"	SIDE LAPS	
ROOF	VULCRAFT (G60) 1.58 20 GA. GALV.	36/7	5	①	②	①	(A) (B) SEE NOTES

- ① #12 TEK SCREWS.  
② 5/8"Ø PUDDLE WELDS.
- (A) ATTACH DECK TO PERIMETER ANGLES/SUPPORTS AT 6" O.C.  
(B) DECK SHALL BE INSTALLED CONTINUOUS OVER 3 OR MORE SPANS.

### NOTES:

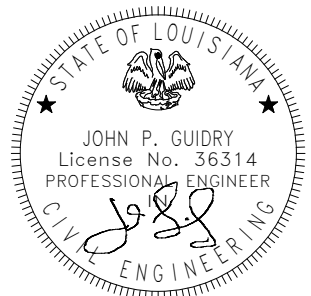
- DO NOT USE WELDING FOR DECK SIDE LAP ATTACHMENT.
- INCREASE SIZE OF SCREWS IF REQUIRED FOR ATTACHMENT TO THICKER STEEL ELEMENTS AT GC'S OPTION.
- IN LIEU OF THE ROOF DECK FASTENING USING SCREWS INDICATED IN THIS SCHEDULE, THE GENERAL CONTRACTOR MAY SUBMIT FOR REVIEW AND APPROVAL OF AN ALTERNATE DECK FASTENING SYSTEM BY HILTI (OR APPROVED EQUAL) UTILIZING POWDER-ACTUATED FASTENERS. SUBMITTAL SHALL INDICATE ALL DETAILS OF FASTENER INSTALLATION AND INCLUDE DATA INDICATING THAT THE ALTERNATIVE DECK FASTENING SYSTEM PROVIDES DIAPHRAGM DESIGN AND UPLIFT CAPACITIES AT LEAST EQUIVALENT TO THAT OF THE DECK FASTENING INDICATED IN THE CONTRACT DOCUMENTS.

# SAINT PAUL THE APOSTLE CATHOLIC CHURCH NEW CHURCH OFFICE BUILDING

6828 CHEF MENTEUR HWY.  
NEW ORLEANS, LA 70126

## CONSTRUCTION DOCUMENTS

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# DEFINE

## PLUMBING ABBREVIATIONS

AD	ACCESS DOOR	HP	HORSE POWER
ADA	AMERICANS WITH DISABILITIES ACT	HS	HOSE STATION
AFF	ABOVE FINISHED FLOOR	HW	HAND WASH
AV	ACID VENT	ICE	ICE MACHINE WATER CONNECTION
AW	ACID WASTE	L	LAVATORY
BOP	BOTTOM OF PIPE	LS	LIFT STATION (SANITARY SEWER)
BP	BACKFLOW PREVENTER	MH	MANHOLE
BT	BATH TUB	MV	MIXING VALVE
BTUH	BRITISH THERMAL UNITES PER HOUR	N.O.	NORMALLY OPEN
C	CONDENSATE DRAIN LINE	N.C.	NORMALLY CLOSED
CA	COMPRESSED AIR LINE	NTS	NOT TO SCALE
CB	CATCH BASIN	P	PUMP
CFM	CUBIC FEET PER MINUTE	PIV	POST INDICATING VALVE
CI	CAST IRON	PRV	PRESSURE REDUCING VALVE
CO	CLEANOUT	PSIG	POUNDS PER SQUARE INCH GAGE
CSS	CLINIC SERVICE SINK	PT	PLASTER TRAP
CP	CIRCULATING WATER PUMP	REF	REFRIGERATOR WATER CONNECTION BOX
D	DRAIN LINE	RD	ROOF DRAIN
DF	DRINKING FOUNTAIN	RPM	REVOLUTIONS PER MINUTE
DCW	DOMESTIC COLD WATER LINE	SAN	SANITARY SEWER
DHR	DOMESTIC HOT WATER RETURN LINE	SD	STORM DRAIN
DHW	DOMESTIC HOT WATER LINE	SF	SQUARE FOOT
DS	DRENCH SHOWER	SH	SHOWER
DSEW	DRENCH SHOWER WITH EYE WASH	SK	SINK
DT	DILUTION TRAP	SMH	SEWER MANHOLE
DW	DISHWASHER	SS	SERVICE SINK
ET	EXPANSION TANK	STP	SEWER TREATMENT PLANT
EW	EYE WASH	TD	TRENCH DRAIN
EWC	ELECTRIC WATER COOLER	TP	TRAP PRIMER
EWH	ELECTRIC WATER HEATER	TYP	TYPICAL
FCO	FLOOR CLEANOUT	U	URINAL
FD	FLOOR DRAIN	UNO	UNLESS NOTED OTHERWISE
FDC	FIRE DEPARTMENT CONNECTION	V	VENT
FFE	FINISHED FLOOR ELEVATION	VAC	VACUUM
FH	FIRE HYDRANT	VB	VACUUM BREAKER
FS	FLOOR SINK	VTR	VENT THRU ROOF
GD	GARBAGE DISPOSAL	W	WASHER WATER/DRAIN CONNECTION LINE
GPH	GALLONS PER HOUR	WC	WATER CLOSET
GPM	GALLONS PER MINUTE	WCO	WALL CLEANOUT
GT	GREASE TRAP	WF	WASH FOUNTAIN
GWH	GAS FIRED WATER HEATER	WG	WATER GAGE
HB	HOSE BIB	WP	WHIRL POOL
HD	HUB DRIAN	ZVB	ZONE VALVE BOX (MEDICAL GAS)

# DESIGN

## PLUMBING LEGEND

PIPING				VALVES			
EXISTING	DEMO	NEW	DESCRIPTION	EXISTING	DEMO	NEW	DESCRIPTION
			DOMESTIC COLD WATER LINE				BALL VALVE (SHUT-OFF)
			DOMESTIC HOT WATER LINE (110°)				SHUT-OFF VALVE IN CAST IRON VALVE BOX
			DOMESTIC HOT WATER RETURN LINE				CALIBRATED BALANCING VALVE
			DOMESTIC HOT WATER LINE (X°F)				CHECK VALVE
			SANITARY SEWER LINE (SAN)				OS&Y VALVE
			SANITARY SEWER VENT LINE				GAS COCK
			STORM DRAIN LINE (PRIMARY)				BUTTERFLY VALVE
			OVERFLOW STORM DRAIN LINE (SECONDARY)				VALVE IN RISE
			CONDENSATE DRAIN LINE				2-WAY CONTROL VALVE
			GREASE WASTE DRAIN LINE				3-WAY CONTROL VALVE
			ACID WASTE DRAIN LINE	EQUIPMENT			
			FIRE MAIN WATER LINE				SPRINKLER LINE
			NATURAL GAS LINE				PLUMBING FIXTURES
			PROPANE GAS LINE				METER
			COMPRESSED AIR LINE				REGULATOR
			REVERSE OSMOSIS PURE WATER SUPPLY LINE	SYMBOL (MISC.)			
			REVERSE OSMOSIS PURE WATER RETURN LINE				CONNECT TO EXISTING SERVICES
			DIONIZED PURE WATER SUPPLY LINE				
			OXYGEN LINE (MEDICAL)				
			VACUUM LINE (MEDICAL)				
			NITROGEN LINE (MEDICAL)				
			NITROUS OXIDE (MEDICAL)				
			AIR (MEDICAL)				
			WASTE ANESTHETIC GAS DISPOSAL				
PIPE FITTING							
			CAPPED PIPE				
			PIPE RISE				
			PIPE DROP				
			UNION				
			DIRECTION OF FLOW				
			PIPE SUPPORT OR BRACING				
			PIPE CONNECTION (TOP)				
			PIPE CONNECTION (BOTTOM)				
			PIPE CONNECTION (SIDE)				
			CAPPED OUTLET TOP				
			PIPE REDUCER AND/OR INCREASER				

NOTES: 1. EXISTING ITEMS ON DEMO PLANS ARE "EXISTING TO REMAIN" UNLESS NOTED "EXISTING TO BE RELOCATED."  
2. ITEMS ON NEW CONSTRUCTION PLANS ARE NEW UNLESS NOTED "RELOCATED FROM PREVIOUS LOCATION". REFER TO SCHEDULES AND SPECIFICATIONS FOR PLUMBING FIXTURES.  
3. NOT ALL ITEMS SHOWN ON THIS LIST MAY BE APPLICABLE TO THIS PROJECT.

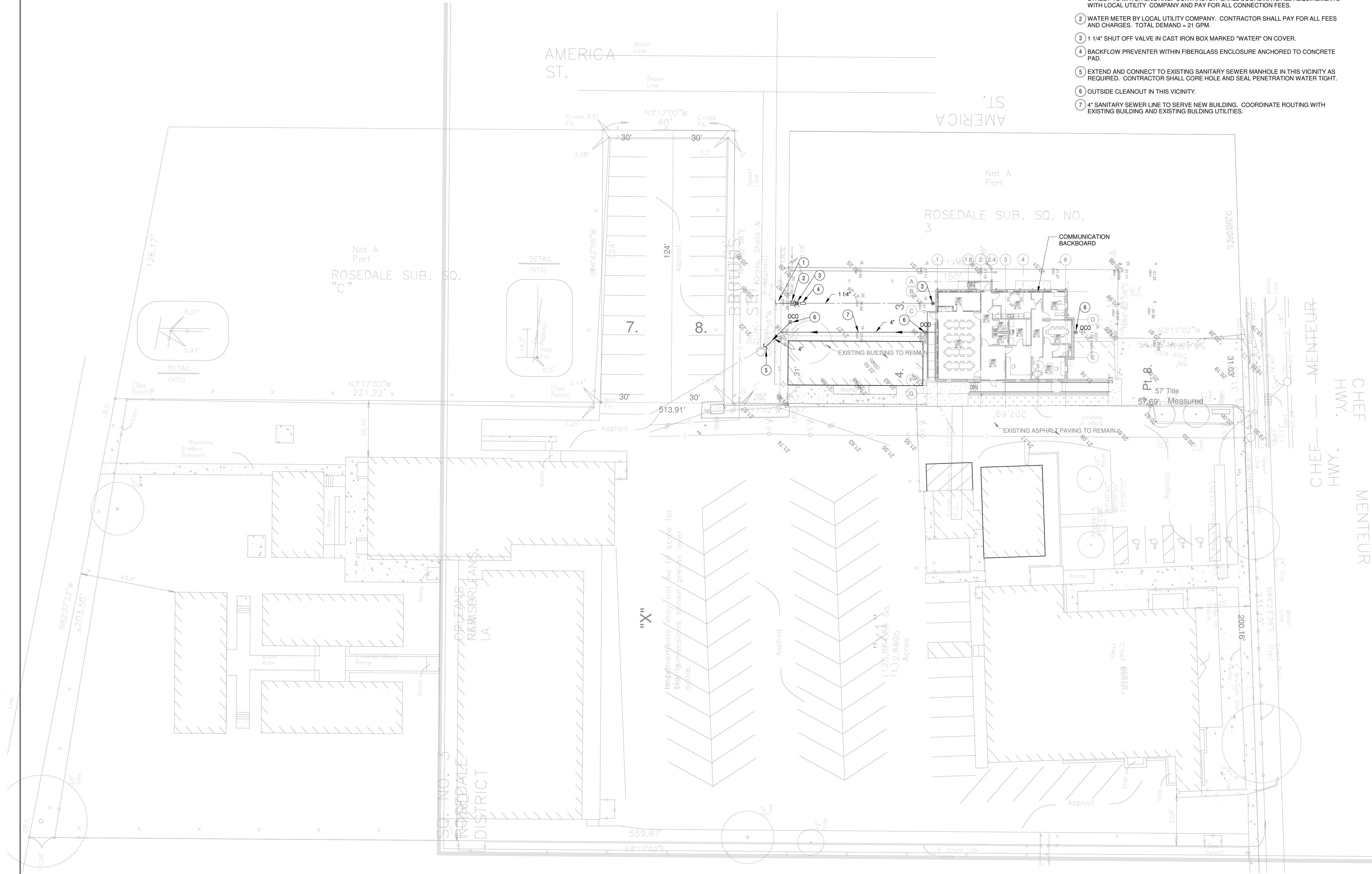
# DELIVER

## PLUMBING GENERAL NOTES

- CONTRACTOR SHALL VISIT THE SITE AND DETERMINE THE EXTENT OF NEW WORK NEEDED FOR THIS PROJECT, PRIOR TO SUBMITTING BID.
- CONTRACTOR SHALL BECOME FAMILIAR WITH THE PROJECT SCOPE, CONSTRAINTS, UTILITY CONNECTIONS, AND BUILDING SERVICES, PRIOR TO SUBMITTING BID.
- DRAWINGS ARE SCHEMATIC AND DIAGRAMMATIC IN NATURE. DRAWINGS SHALL NOT BE SCALED. COORDINATE ROUTING OF SERVICES WITH SITE CONDITIONS AND WITH WORK OF OTHER TRADES.
- FIELD VERIFY DIMENSIONS PRIOR TO ORDERING, FABRICATING, AND ERECTION OF MATERIAL AND/OR EQUIPMENT. NOTIFY THE ENGINEER OF DISCREPANCIES IN A TIMELY MANNER.
- VERIFY CLEARANCE REQUIREMENTS AND ROUTING OF PIPING PRIOR TO FABRICATION. AS MINOR MODIFICATIONS SUCH AS PIPING RISES AND DROP MAY BE REQUIRED DUE TO FIELD CONDITIONS. MAKE MINOR MODIFICATIONS TO THE BUILDING, PIPING, DUCTWORK, ELECTRICAL, ETC. AS SHOWN ON THE DRAWINGS OR REQUIRED TO COMPLETE THE INSTALLATION OF A COMPLETED WORKABLE SYSTEM.
- MAINTAIN WEATHER-TIGHT BARRIERS TO PREVENT DAMAGE FROM THE ELEMENTS DURING DEMOLITION AND NEW CONSTRUCTION PERIOD.
- SEAL PENETRATIONS THROUGH THE BUILDING ENVELOPE.
- PENETRATIONS THROUGH RATED WALLS, FLOORS, PARTITIONS AND ASSEMBLIES SHALL BE INSTALLED AND FIRESAFED TO MEET UL FIRE RESISTANCE LISTING AND NFPA REQUIREMENTS FOR THE PENETRATION.
- COORDINATE DEVICES REQUIRING ACCESS PANELS WITH THE ARCHITECT AND OTHER TRADES.
- MAINTAIN MINIMUM CLEARANCE 10'-0" BETWEEN OUTSIDE INTAKES AND EXHAUST OUTLETS AND PLUMBING VENTS.
- COORDINATE FINAL LOCATIONS AND ELEVATIONS WITH THE ARCHITECT PRIOR TO INSTALLATION.
- COORDINATE FINAL FINISH COLORS OF MATERIALS, DEVICES, AND/OR EQUIPMENT WITH THE ARCHITECT PRIOR TO ORDERING, FABRICATION AND INSTALLATION.
- SCHEDULE UTILITY SERVICES SHUTDOWNS WITH OWNER AND ARCHITECT. MINIMIZE DISRUPTIONS AND DOWNTIME TO THE OWNER.
- INSTALL DEVICES AND EQUIPMENT TO MEET ADA REQUIREMENTS.
- ROUTE PIPING CONCEALED IN INTERSTITIAL SPACE UNLESS NOTED OTHERWISE.
- DOCUMENT LOCATIONS OF DEVICES, PIPING, AND EQUIPMENT ON "AS-BUILT" RECORD DRAWINGS AS PER THE SPECIFICATIONS.
- PAY FOR SERVICE, DEPOSITS, INSPECTION, AND CONNECTION FEES REQUIRED FOR A COMPLETE INSTALLATION. COORDINATE WITH THE UTILITY SERVICE PROVIDER FOR THE REQUIREMENTS NEEDED FOR THIS PROJECT. COORDINATE WITH THE UTILITY SERVICE PROVIDER FOR THE REQUIREMENTS NEEDED FOR THIS PROJECT.
- WORK SHOWN IN THE DRAWINGS SHALL COMPLY WITH APPLICABLE NATIONAL, STATE, AND LOCAL ORDINANCES AND CODES.
- ALL EXPOSED DOMESTIC COLD AND HOT WATER PIPING WITHIN THE BUILDING SHALL HAVE FIELD INSTALL PVC JACKET.
- WATER HAMMER ARRESTER(S) SHALL BE INSTALLED ON PIPING SYSTEMS AND AT QUICK-CLOSING VALVES AS PER MANUFACTURER'S RECOMMENDATIONS.

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1 Plumbing Site Plan  
1" = 20'-0" Refer to Architectural Drawings for All Dimensions

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terry@meconsulting.com  
PROJECT No.: 19162.00

- PLUMBING KEYNOTES:**
- 1 EXTEND AND CONNECT TO EXISTING WATER MAIN IN THIS VICINITY WITH TAPPING SLEEVE AND VALVE. CONTRACTOR SHALL SAWCUT, PATCH AND REPAIR PARKING LOT / STREET TO MATCH EXISTING. CONTRACTOR SHALL COORDINATE ALL REQUIREMENTS WITH LOCAL UTILITY COMPANY AND PAY FOR ALL CONNECTION FEES.
  - 2 WATER METER BY LOCAL UTILITY COMPANY. CONTRACTOR SHALL PAY FOR ALL FEES AND CHARGES. TOTAL DEMAND = 21 GPM.
  - 3 1 1/4" SHUT OFF VALVE IN CAST IRON BOX MARKED "WATER" ON COVER.
  - 4 BACKFLOW PREVENTER WITHIN FIBERGLASS ENCLOSURE ANCHORED TO CONCRETE PAD.
  - 5 EXTEND AND CONNECT TO EXISTING SANITARY SEWER MANHOLE IN THIS VICINITY AS REQUIRED. CONTRACTOR SHALL CORE HOLE AND SEAL PENETRATION WATER TIGHT.
  - 6 OUTSIDE CLEANOUT IN THIS VICINITY.
  - 7 4" SANITARY SEWER LINE TO SERVE NEW BUILDING. COORDINATE ROUTING WITH EXISTING BUILDING AND EXISTING BUILDING UTILITIES.

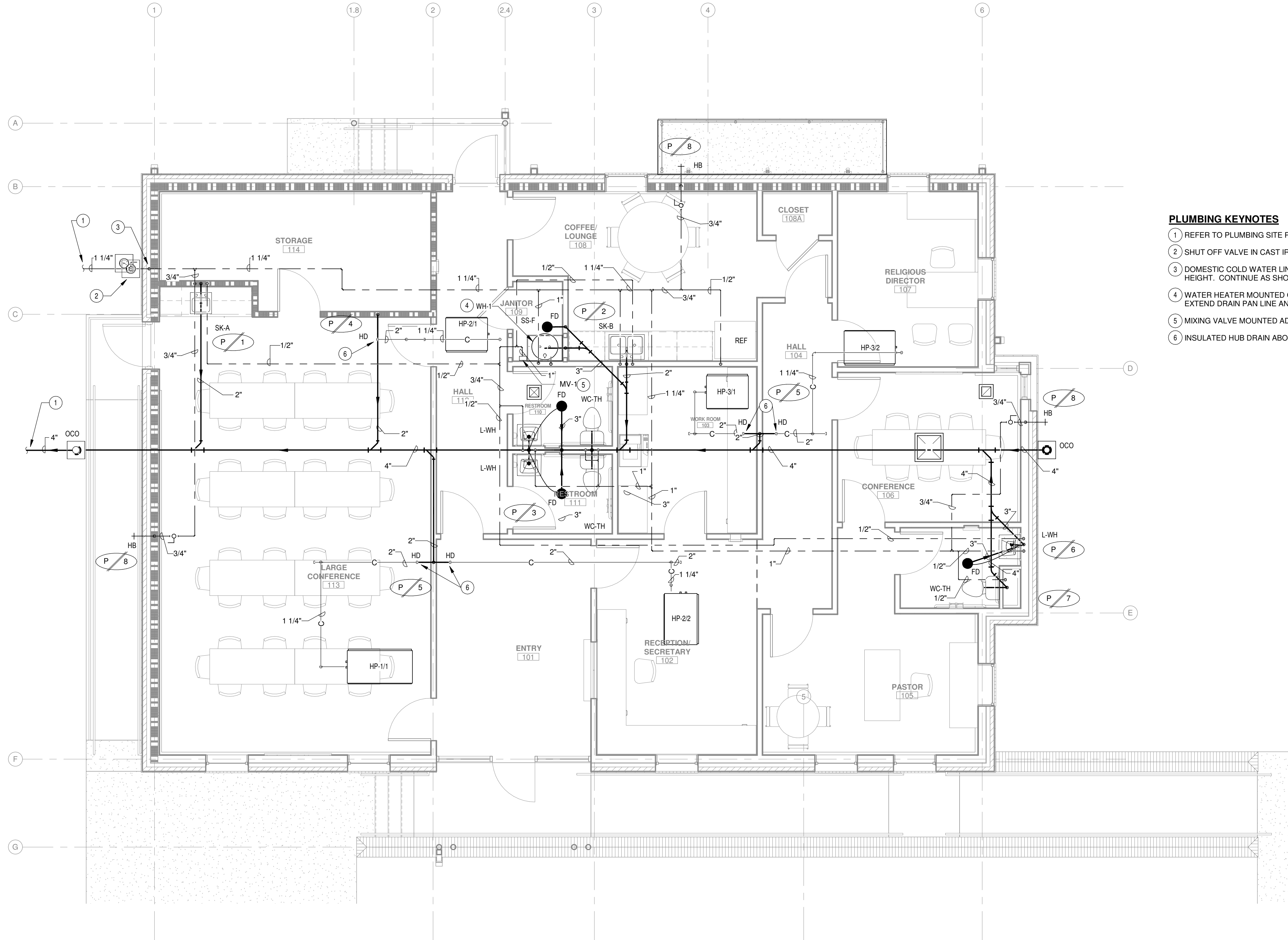
SAINT PAUL THE APOSTLE CATHOLIC CHURCH  
NEW CHURCH OFFICE BUILDING

CONSTRUCTION  
DOCUMENTS

project no. 2019008.00  
date 09/15/2023  
designed by JB/HG  
drawn by JB/HG  
checked by DD  
revised



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**PLUMBING KEYNOTES**

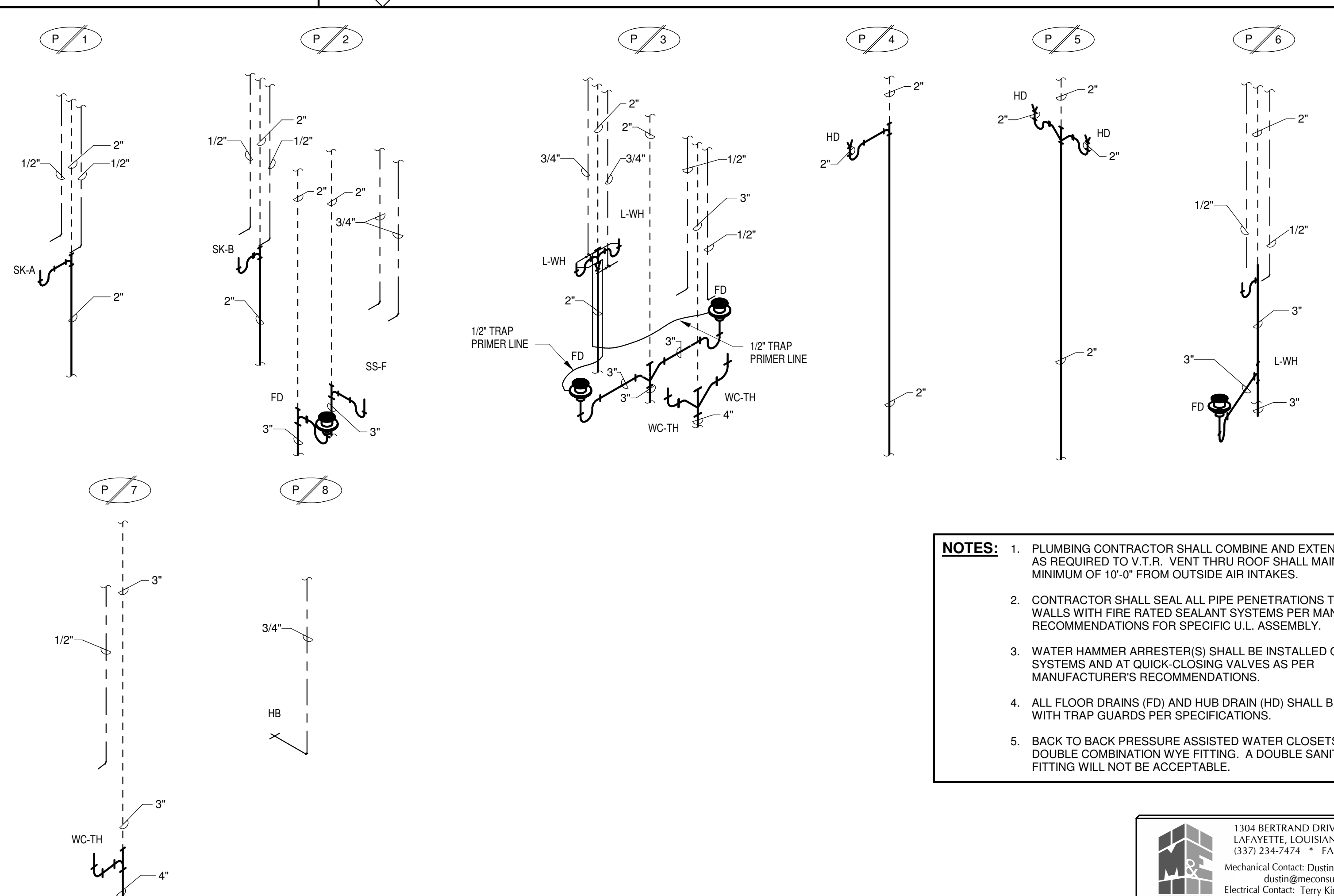
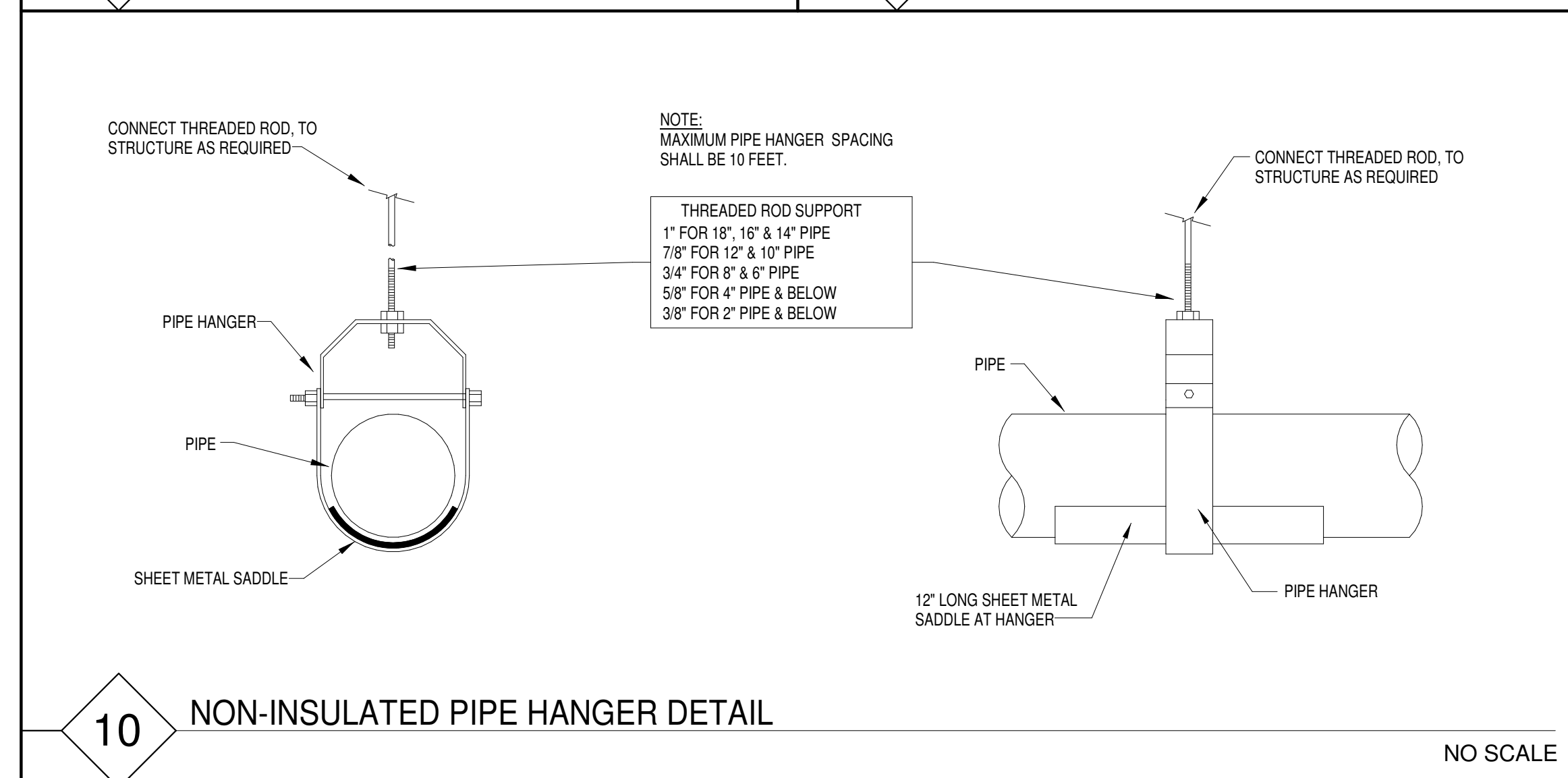
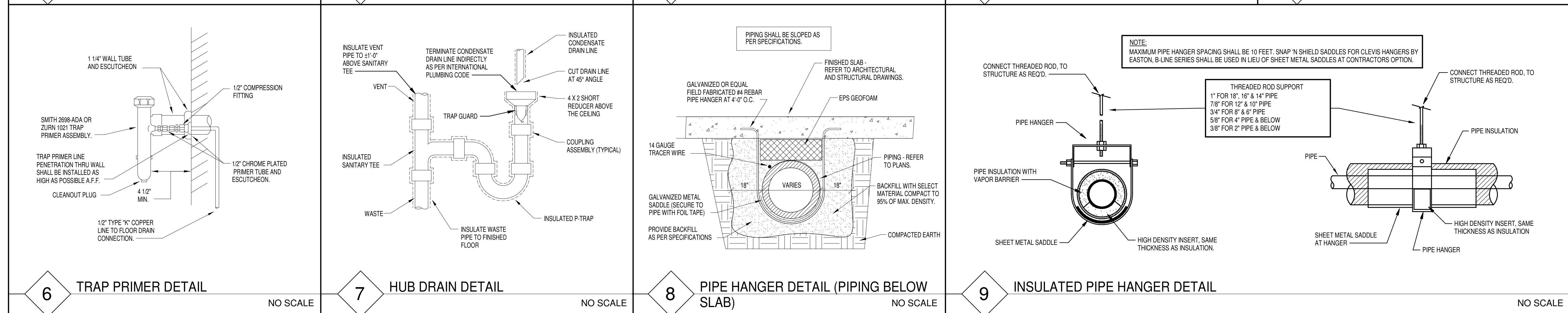
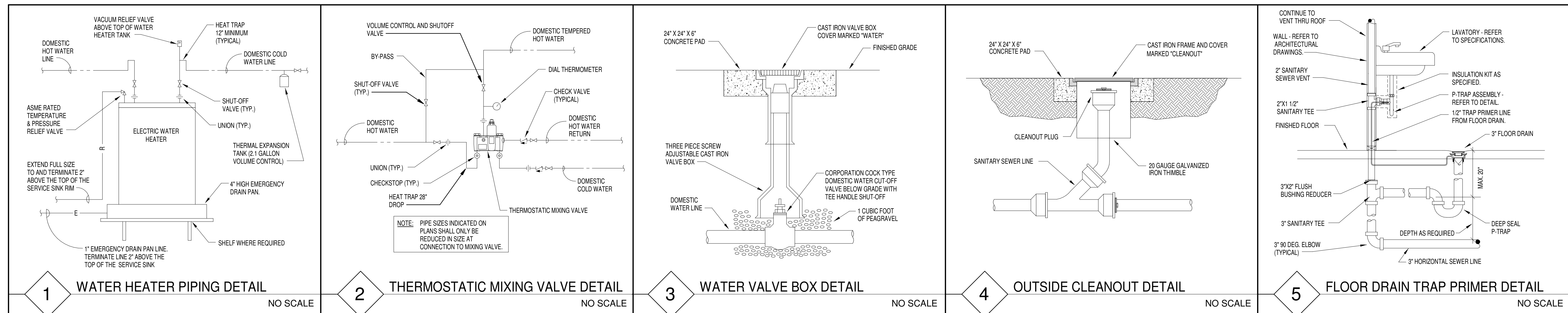
- 1 REFER TO PLUMBING SITE PLAN FOR CONTINUATION.
- 2 SHUT OFF VALVE IN CAST IRON BOX MARKED "WATER".
- 3 DOMESTIC COLD WATER LINE UP FROM BELOW SLAB TO ABOVE CEILING HEIGHT. CONTINUE AS SHOWN.
- 4 WATER HEATER MOUNTED ON PLATFORM ABOVE SERVICE SINK. EXTEND DRAIN PAN LINE AND RELIEF LINE TO SERVICE SINK.
- 5 MIXING VALVE MOUNTED ADJACENT TO WATER HEATER.
- 6 INSULATED HUB DRAIN ABOVE CEILING FOR A/C CONDENSATE.

1 Plumbing Plan  
1/4" = 1'-0" Refer to Architectural Drawings for All Dimensions

project no. 2019008.00  
date 09/15/2023  
designed by JB/HG  
drawn by JB/HG  
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- NOTES:**
1. PLUMBING CONTRACTOR SHALL COMBINE AND EXTEND VENT LINES AS REQUIRED TO V.T.R. VENT THRU ROOF SHALL MAINTAIN A MINIMUM OF 10'-0" FROM OUTSIDE AIR INTAKES.
  2. CONTRACTOR SHALL SEAL ALL PIPE PENETRATIONS THRU RATED WALLS WITH FIRE RATED SEALANT SYSTEMS PER MANUFACTURER'S RECOMMENDATIONS FOR SPECIFIC U.L. ASSEMBLY.
  3. WATER HAMMER ARRESTER(S) SHALL BE INSTALLED ON PIPING SYSTEMS AND AT QUICK-CLOSING VALVES AS PER MANUFACTURER'S RECOMMENDATIONS.
  4. ALL FLOOR DRAINS (FD) AND HUB DRAIN (HD) SHALL BE COMPLETE WITH TRAP GUARDS PER SPECIFICATIONS.
  5. BACK TO BACK PRESSURE ASSISTED WATER CLOSETS SHALL USE A DOUBLE COMBINATION WYE FITTING. A DOUBLE SANITARY TEE FITTING WILL NOT BE ACCEPTABLE.

PLUMBING FIXTURE SCHEDULE							
LABEL	FIXTURE TYPE	MANUFACTURER	PIPE CONNECTION				SPECIFICATION
			C.W.	H.W.	WASTE	VENT	
FD	FLOOR DRAIN	JOSAM SERIES 30000, WADE W-1100-A6-1, J. R. SMITH 2010A, MIFAB F1100-C, ZURN 415-BZ OR EQUIVALANT	-	-	3"	2"	BOTTOM OUTLET WITH DURA-COATED CAST IRON BODY, WITH CLAMPING COLLAR AND 6" DIAMETER NICKEL BRONZE STRAINER ADJUSTABLE VERTICALLY TO FLOOR LEVEL, WITH SQUARE PERFORATIONS AND VANDAL-PROOF SCREWS. PROVIDE TRAP PRIMER CONNECTION WHERE SHOWN ON PLANS. PROVIDE SURESEAL MODEL SS3000V (MIFAB MI-GARD-3) FLOOR DRAIN TRAP SEALER FOR 3" DIAMETER DRAIN (ASSE 1072) WHERE TRAP PRIMER LINE IS NOT SHOWN CONNECTING TO THE FLOOR DRAIN ON THE PLANS. COORDINATE FINAL ROUGH-IN ELEVATION WITH FINISHED FLOOR. REFER TO ARCHITECTURAL DRAWINGS FOR ADDITIONAL INFORMATION.
HB	HOSE BIBB	WOODFORD MODEL 24P (ZURN 1341) WITH LOOSE KEY AND WATTS 8AC (NIDEL 34HF) VACUUM BREAKER.	3/4"	-	-	-	WALL FAUCET SHALL BE A WOODFORD MODEL 24 (ZURN 1341) WITH WATTS 8AC (NIDEL 34HF) ANTI-SIPHON VACUUM BREAKER. ASSE STANDARD 1011 APPROVED. EXTERIOR FINISH TO BE ROUGH BRASS.
HD	HUB DRAIN	SURESEAL SS2009V, TRAP GUARD TG-22IP, MIFAB MI-GARD-2	-	-	2"	1 1/2"	DRAIN TRAP SEALER FOR 2" DIAMETER CONDENSATE HUB DRAIN.
L-WH	LAVATORY	KOHLER K-1729, AMERICAN STANDARD 0124.131	1/2"	1/2"	2"	2"	WALL HUNG, 20" X 18", WHITE, VITREOUS CHINA, WALL MOUNTED LAVATORY WITH 4" FAUCET CENTERS. DELTA 22C101 (ZURN Z-81000-CP4, A.S. 6114.111.002) CAST BRASS BODY, CERAMIC DISC CARTRIDGE, SINGLE HANDLE FAUCET WITH MCGUIRE 155WC (KOHLER K-13885) OFFSET TAILPIECE WITH PERFORATED GRATE DRAIN; MCGUIRE 8872 (KOHLER K-8998) 1-1/4" CAST BRASS P-TRAP WITH CLEANOUT PLUG, 3/8" ANGLE SUPPLIES WITH STOPS, AND JOSAM, WADE 520 CONCEALED ARM FLOOR ANCHORED CARRIER. PROVIDE J.R. SMITH 2698-ADA PRIME-EZE, ZURN Z1021-ADA OR EQUAL WATER SAVER TRAP PRIMER WHERE INDICATED ON PLANS. TRUEBERO MODEL 103, (ZURN Z8946-3-NT) INSULATING KIT. INSTALL PER A.D.A. REQUIREMENTS. CAULK AROUND PERIMETER OF FIXTURE. PROVIDE LAWLER 570 (LEONARD 170-LF, WATTS LFUSG-B SERIES) THERMOSTATIC MIXING VALVE, 3/8" INLETS & OUTLET CONNECTIONS, TEMPERATURE CONTROL DEVICE THAT CONFORMS TO ASSE 1070.
OCO	OUTSIDE CLEANOUT	J.R. SMITH, JOSAM, MIFAB, ZURN, WADE	-	-	4"	-	OUTSIDE CLEANOUTS SHALL BE AS DETAILED ON THE PLANS.
REF	REFRIGERATOR	OATEY 38681, SPECIALITY PRODUCTS P4129	1/2"	-	-	-	WALL RECESSED BOX WITH CHROME PLATED 1/2"x1/4" ANGLE STOP WITH SUPPLY
SK-A	SINK	ELKAY LR-1919, JUST SL-2019-A-GR	1/2"	1/2"	2"	2"	SELF RIMMING, 19" X 19" X 7.5", SINGLE COMPARTMENT, 18 GAUGE, TYPE 304 SELF RIMMING SINK WITH LK810GN05T4 (ZURN 871B4-XL) 5" REACH GOOSENECK FAUCET WITH 4" WRIST BLADE HANDLES, LK-99 (JUST JB-99) BASKET STRAINER, MCGUIRE 8912 1-1/2" CAST BRASS P-TRAP WITH CLEANOUT PLUG AND 3/8" ANGLE SUPPLIES WITH STOPS. CAULK AROUND PERIMETER OF FIXTURE.
SK-B	SINK	ELKAY LRAD-3319653, JUST DL-ADA-1933-A-GR	1/2"	1/2"	2"	2"	SELF RIMMING, 33" X 19" X 6.5", DOUBLE COMPARTMENT, 18 GAUGE, TYPE 304 SELF RIMMING SINK WITH LK810GN08T4 (Zurn 871C4-XL, A.S. 6409.170.002) 8" REACH GOOSENECK FAUCET WITH 4" WRIST BLADE HANDLES, LK-99 (JUST JB-99) STAINLESS STEEL BASKET STRAINERS, MCGUIRE 8912 1-1/2" CAST BRASS P-TRAP WITH CLEANOUT PLUG, CONTINUOUS WASTE PIPING AND 3/8" ANGLE SUPPLIES WITH STOPS. CAULK AROUND PERIMETER OF FIXTURE.
SS-F	SERVICE SINK	FIAT MSB-2424, MUSTEE 63M	3/4"	3/4"	2"	2"	FLOOR MOUNTED, 24" X 24" X 10" WHITE MOLDED STONE MOP SERVICE BASIN WITH #1453-BB FLAT TYPE STAINLESS STEEL DRAIN, VINYL BUMPER GUARD, #830-AA (T&S BRASS B-0665-BSTR) MIXING FAUCET, #832-AA (T&S BRASS B-0654) HOSE AND STAINLESS STEEL HOSE BRACKET, #889-CC (T&S BRASS B-0653) STAINLESS STEEL MOP HANGER, #833-AA SILICONE SEALANT AND TWO (2) #MSG 2424 STAINLESS STEEL WALL GUARDS (SIDE AND BACK). CAULK AROUND PERIMETER OF FIXTURE.
WC-TH	WATER CLOSET	KOHLER K-3427, AMERICAN STANDARD COLONY 221AA.004	1/2"	-	4"	3"	FLOOR MOUNTED, WHITE, VITREOUS CHINA, ELONGATED BOWL WATER CLOSET. K-4670-C (A.S. 5901.100, BEMIS 1955CT, BENEKE 523, CHURCH 295CT, CENTOCO 500STSCC) SOLID PLASTIC, WHITE OPEN-FRONT TOILET SEAT LESS COVER, CHECK HINGE AND WITH STA-TITE COMMERCIAL FASTENING SYSTEM; K-4562 BOLT CAPS AND 3/8" ANGLE SUPPLY WITH STOP. INSTALL PER A.D.A. REQUIREMENTS. TRIP LEVER TO BE ON WIDE SIDE OF STALL. INSTALL WAX SEAL BELOW FIXTURE. CAULK AROUND PERIMETER OF FIXTURE.

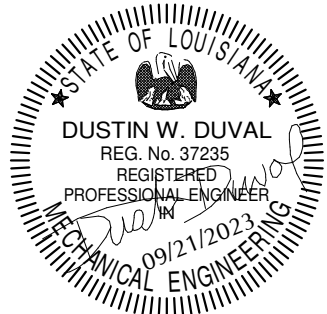
ADDITIONAL PLUMBING ITEMS
MIXING VALVE (MARKED "MV-1"): BRADLEY MODEL S59-2025-TBP TMV25 (LEONARD TM-26-E-RF) THERMOSTATIC MIXING VALVE WITH RELIABLE LIQUID-FILLED THERMOSTAT, DIAL THERMOMETER, WALL MOUNTING BRACKET, PIPED ASSEMBLY WITH INLET AND OUTLET SHUTOFF, INTEGRAL STRAINER CHECKSTOPS ON INLETS, ADJUSTABLE SET POINT (SET @ 110°F), POSITIVE SHUTOFF OF HOT WATER WHEN COLD SUPPLY IS LOST AND DIAL THERMOMETER. INSTALL THERMOMETER DOWNSTREAM OF UNIT IN PIPING. ASSE 1017.
BACKFLOW PREVENTERS MAINTENANCE / FIELD TESTING: BACKFLOW PREVENTERS SHALL BE CHECK AND FIELD INSTALLED BY A BACKFLOW PREVENTION ASSEMBLY TESTER WHO MEETS ASSE 5000 PROFESSIONAL QUALIFICATION STANDARD, OR OTHER INDIVIDUALS HOLDING A TESTING CERTIFICATE FROM A NATIONALLY RECOGNIZED BACKFLOW CERTIFICATION ORGANIZATION APPROVED BY THE PLUMBING OFFICIAL. BACKFLOW PREVENTION DEVICES SHALL BE FIELD TESTED UPON INSTALLATION AND ANNUALLY. CONTRACTOR SHALL SUBMIT CERTIFICATION OF TEST AND WRITTEN REPORT OF TEST RESULTS ON EACH BACKFLOW PREVENTER. TEST ON BACKFLOW PREVENTER SHALL BE COMPLETED IN ACCORDANCE WITH LOCAL AND STATE REQUIREMENTS.
BACKFLOW PREVENTER (MARKED "BP-1") (1-1/4"): WATTS SERIES 007M1QT-S (WILKENS SERIES 950XL) OR EQUAL WITH QUARTER-TURN, FULL PORT, RESILIENT SEATED BALL VALVES, AND BRONZE STRAINER. LOK BOX MODEL LB1 (BF PRODUCTS MODEL 371-APD) FLIP TOP FIBERGLASS ENCLOSURE WITHOUT HEAT. CONTRACTOR SHALL ANCHOR ENCLOSURE TO CONCRETE PAD AND PROVIDE PAD LOCK FOR ENCLOSURE. ASSE 1060.

WATER HEATER SCHEDULE							
UNIT NO.	SERVICE	CAPACITY (GALLONS)	ELECTRIC KW INPUT	TEMPERATURE SETTING	ELECTRICAL SERVICE	RECOVERY RATE @ 80°F TEMP. RISE	COMMENTS
WH-1	BUILDING	20	4.5	140 F	208-1-60	23 GPH	RHEEM PROE20 1 RH POU, STATE ES6 20 SOMS OR PRIOR APPROVED EQUAL



1304 BERTRAND DRIVE SUITE F7  
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PROJECT No.: 19162.00







# DEFINE

## MECHANICAL ABBREVIATIONS

AD	ACCESS DOOR	HWS	HEATING HOT WATER SUPPLY
ADA	AMERICANS WITH DISABILITIES ACT	HWR	HEATING HOT WATER RETURN
AFF	ABOVE FINISHED FLOOR	KH	KITCHEN HOOD
AHU	AIR HANDLING UNIT	KW	KILOWATT
APD	AIR PRESSURE DROP	LAT	LEAVING AIR TEMPERATURE
BOD	BOTTOM OF DUCT	LWT	LEAVING WATER TEMPERATURE
BOP	BOTTOM OF PIPE	MBH	1000 BRITISH THERMAL UNITS PER HOUR
BTUH	BRITISH THERMAL UNITS PER HOUR	MVD	MANUAL VOLUME DAMPER
C	CONDENSATE	N.O.	NORMALLY OPEN
CFM	CUBIC FEET PER MINUTE	N.C.	NORMALLY CLOSED
CT	CHILLER	NTS	NOT TO SCALE
CHS	CHILLED WATER SUPPLY	NC	NOISE CRITERIA
CHR	CHILLED WATER RETURN	OA	OUTSIDE AIR
COP	COEFFICIENT OF PERFORMANCE	OBD	OPPOSED BLADE DAMPER
CT	COOLING TOWER	PD	PRESSURE DROP
CU	CONDENSING UNIT	PHWR	PLANT HEATING HOT WATER RETURN
CV	CONSTANT VOLUME	PHWS	PLANT HEATING HOT WATER SUPPLY
CS	CONDENSER WATER SUPPLY	PRV	PRESSURE REDUCING VALVE
CR	CONDENSER WATER RETURN	PSIG	POUNDS PER SQUARE INCH GAGE
DB	DRY BULB	RA	RETURN AIR
DOAS	DEDICATED 100% OUTSIDE AIR UNIT	RH	RELATIVE HUMIDITY
EA	EXHAUST AIR	RHC	REHEAT COIL
EAT	ENTERING AIR TEMPERATURE	RPM	REVOLUTIONS PER MINUTE
ECO	EXTERIOR CLEANOUT	RTU	ROOFTOP A/C UNIT
EDH	ELECTRIC DUCT HEATER	SA	SUPPLY AIR
EER	ENERGY EFFICIENCY RATIO	SD	STORM DRAIN
EF	EXHAUST FAN	SEER	SEASONAL ENERGY EFFICIENCY RATIO
EMS	ENERGY MANAGEMENT SYSTEM	SF	SUPPLY FAN
ESP	EXTERNAL STATIC PRESSURE	SP	STATIC PRESSURE
EUH	ELECTRIC UNIT HEATER	SWR	SIDE WALL REGISTER
EW	ELECTRIC WATER COOLER	TSP	TOTAL STATIC PRESSURE
EW	ELECTRIC WATER HEATER	TYP	TYPICAL
EWT	ENTERING WATER TEMPERATURE	UNO	UNLESS NOTED OTHERWISE
F	FAHRENHEIT	VAV	VARIABLE AIR VOLUME
FCO	FLOOR CLEANOUT	VFD	VARIABLE FREQUENCY DRIVE
FD	FLOOR DRAIN	VRF	VARIABLE REFRIGERANT FLOW
FLA	FULL LOAD AMPS	WB	WET BULB
FFE	FINISHED FLOOR ELEVATION	WG	WATER GAGE
FPI	FINS PER INCH	WPD	WATER PRESSURE DROP
HP	HORSEPOWER		

# DESIGN

## MECHANICAL LEGEND

GRILLES, REGISTERS, DIFFUSERS, AND LOUVERS				EQUIPMENT			
EXISTING	DEMO	NEW	DESCRIPTION	EXISTING	DEMO	NEW	DESCRIPTION
		A100	GRILLE DESIGNATION AND CFM				MECHANICAL EQUIPMENT. REFER TO SCHEDULES
			SURFACE MOUNT				IONIZATION UNIT
			LAY-IN SUPPLY CEILING DIFFUSER				SMOKE DETECTOR
			SUPPLY WALL DIFFUSER				MANUAL PULL STATION
				CONTROLS			
EXISTING	DEMO	NEW	DESCRIPTION	EXISTING	DEMO	NEW	DESCRIPTION
			LINEAR SLOT DIFFUSER				THERMOSTAT
			RETURN/EXHAUST CEILING GRILLE				HUMIDISTAT
			RETURN/EXHAUST WALL GRILLE				SENSOR
			EXHAUST LOUVER				STATIC PRESSURE SENSOR
			EXHAUST WALL CAP				REMOTE TEMPERATURE SENSOR
			GRAVITY RELIEF HOOD				WALL SWITCH
			INTAKE LOUVER				CONTROL WIRING
			INTAKE WALL CAP				
			GRAVITY INTAKE HOOD				
DUCTWORK							
EXISTING	DEMO	NEW	DESCRIPTION				
			RECTANGULAR DUCTWORK. REFER TO PLANS FOR SIZE.				
			ROUND DUCTWORK. REFER TO PLANS FOR SIZE.				
			ROUND DUCTWORK DROP/RISE.				
			DUCT DROP/RISE				
PIPING							
EXISTING	DEMO	NEW	DESCRIPTION				
			CHILLED WATER SUPPLY PIPING				
			CHILLED WATER RETURN PIPING				
			HOT WATER SUPPLY PIPING				
			HOT WATER RETURN PIPING				
			CONDENSER WATER SUPPLY PIPING				
			CONDENSER WATER RETURN PIPING				
DAMPERS							
EXISTING	DEMO	NEW	DESCRIPTION				
			BALANCING DAMPER				
			MOTORIZED DAMPER				
			FIRE DAMPER				
			SMOKE DAMPER				
			FIRE & SMOKE DAMPER				

NOTES: 1. REFER TO SCHEDULES FOR GRILLE, REGISTER, DIFFUSER, AND LOUVER SIZES.  
2. REFER TO DRAWINGS FOR DIRECTION OF AIRFLOW FOR DIFFUSERS. IF DIRECTIONAL ARROWS ARE NOT INCLUDED, AIRFLOW IS IN FOUR DIRECTIONS. (4-WAY GRILLE)  
3. WALL MOUNTED CONTROL DEVICES SHALL BE MOUNTED AT 48" A.F.F.  
4. NOT ALL ITEMS SHOWN ON THIS LIST MAY BE APPLICABLE TO THIS PROJECT.

# DELIVER

## MECHANICAL GENERAL NOTES

- CONTRACTOR SHALL VISIT THE SITE AND DETERMINE THE EXTENT OF DEMOLITION WORK AND NEW WORK NEEDED FOR THIS PROJECT, PRIOR TO SUBMITTING BID.
- CONTRACTOR SHALL BECOME FAMILIAR WITH THE PROJECT SCOPE, CONSTRAINTS, UTILITY CONNECTIONS, AND BUILDING SERVICES, PRIOR TO SUBMITTING BID.
- DRAWINGS ARE SCHEMATIC AND DIAGRAMMATIC IN NATURE. DRAWINGS SHALL NOT BE SCALED. COORDINATE ROUTING OF SERVICES WITH SITE CONDITIONS AND WITH WORK OF OTHER TRADES.
- FIELD VERIFY DIMENSIONS PRIOR TO ORDERING, FABRICATING, AND ERECTION OF MATERIAL AND/OR EQUIPMENT. NOTIFY THE ENGINEER OF DISCREPANCIES IN A TIMELY MANNER.
- VERIFY CLEARANCE REQUIREMENTS AND ROUTING OF DUCTWORK AND PIPING PRIOR TO FABRICATION. AS MINOR MODIFICATIONS SUCH AS DUCT AND/OR PIPING RISES AND DROP MAY BE REQUIRED DUE TO FIELD CONDITIONS. MAKE MINOR MODIFICATIONS TO THE BUILDING, PIPING, DUCTWORK, ELECTRICAL, ETC. AS SHOWN ON THE DRAWINGS OR REQUIRED TO COMPLETE THE INSTALLATION OF A COMPLETED WORKABLE SYSTEM.
- MAINTAIN WEATHER-TIGHT BARRIERS TO PREVENT DAMAGE FROM THE ELEMENTS DURING DEMOLITION AND NEW CONSTRUCTION PERIOD.
- SEAL PENETRATIONS THROUGH THE BUILDING ENVELOPE.
- PENETRATIONS THROUGH RATED WALLS, FLOORS, PARTITIONS AND ASSEMBLIES SHALL BE INSTALLED AND FIRESAFED TO MEET UL FIRE RESISTANCE LISTING AND NFPA REQUIREMENTS FOR THE PENETRATION.
- COORDINATE DEVICES REQUIRING ACCESS PANELS WITH THE ARCHITECT AND OTHER TRADES.
- MAINTAIN MINIMUM CLEARANCE 10'-0" BETWEEN OUTSIDE INTAKES AND EXHAUST OUTLETS AND PLUMBING VENTS.
- COORDINATE FINAL LOCATIONS AND ELEVATIONS WITH THE ARCHITECT PRIOR TO INSTALLATION.
- COORDINATE FINAL FINISH COLORS OF MATERIALS, DEVICES, DIFFUSER, GRILLES, LOUVERS, AND/OR EQUIPMENT WITH THE ARCHITECT PRIOR TO ORDERING, FABRICATION AND INSTALLATION.
- SCHEDULE UTILITY SERVICES SHUTDOWNS WITH OWNER AND ARCHITECT. MINIMIZE DISRUPTIONS AND DOWNTIME TO THE OWNER.
- INSTALL DEVICES AND EQUIPMENT TO MEET ADA REQUIREMENTS.
- ROUTE DUCT AND PIPING CONCEALED IN INTERSTITIAL SPACE UNLESS NOTED OTHERWISE.
- DOCUMENT LOCATIONS OF DEVICES, DUCT, PIPING, AND EQUIPMENT ON "AS-BUILT" RECORD DRAWINGS AS PER THE SPECIFICATIONS.
- PAY FOR SERVICE, DEPOSITS, INSPECTION, AND CONNECTION FEES REQUIRED FOR A COMPLETE INSTALLATION. COORDINATE WITH THE UTILITY SERVICE PROVIDER FOR THE REQUIREMENTS NEEDED FOR THIS PROJECT.
- HVAC SYSTEMS SHALL BE CONSTRUCTED IN ACCORDANCE WITH NFPA 90A AND NFPA 101.
- WORK SHOWN IN THE DRAWINGS SHALL COMPLY WITH APPLICABLE NATIONAL, STATE, AND LOCAL ORDINANCES AND CODES.

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SAINT PAUL THE APOSTLE CATHOLIC CHURCH  
NEW CHURCH OFFICE BUILDING

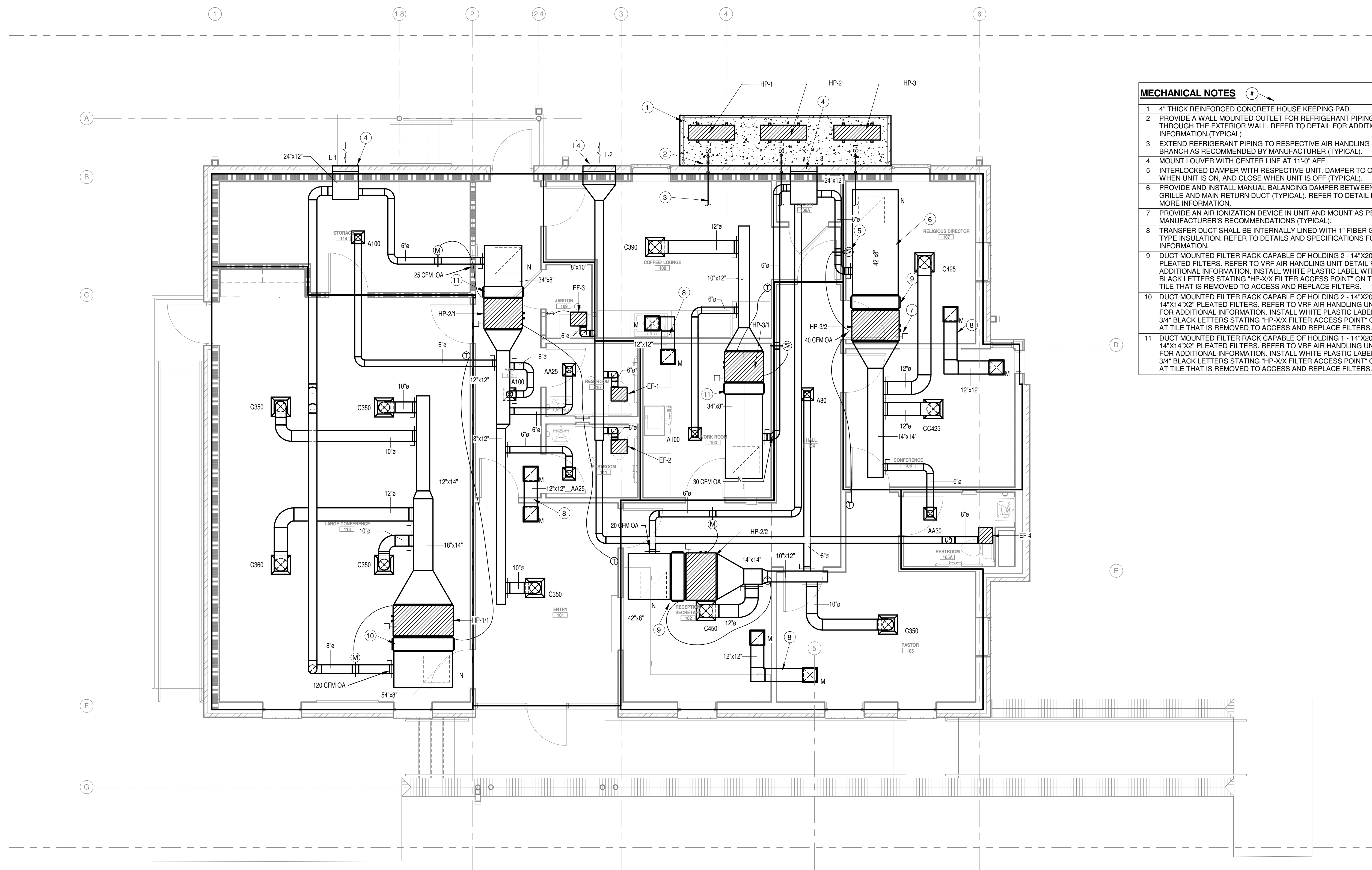
6828 CHEF MENTEUR HWY.  
NEW ORLEANS LA 70126

CONSTRUCTION  
DOCUMENTS

project no. 2019008.00  
date 09/15/2023  
designed by JB/HG  
drawn by JB/HG  
checked by DD  
revised



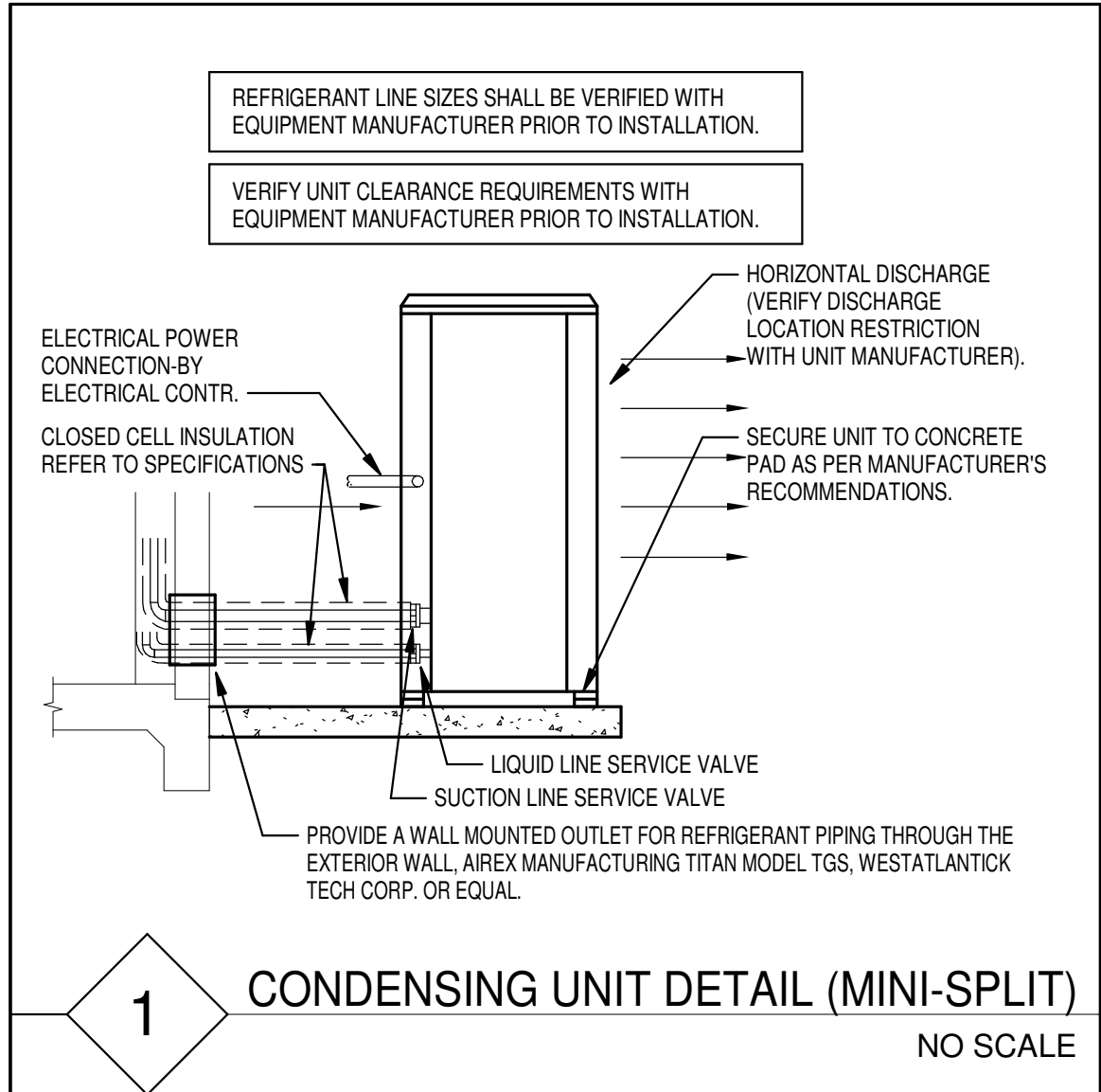
## M1.1



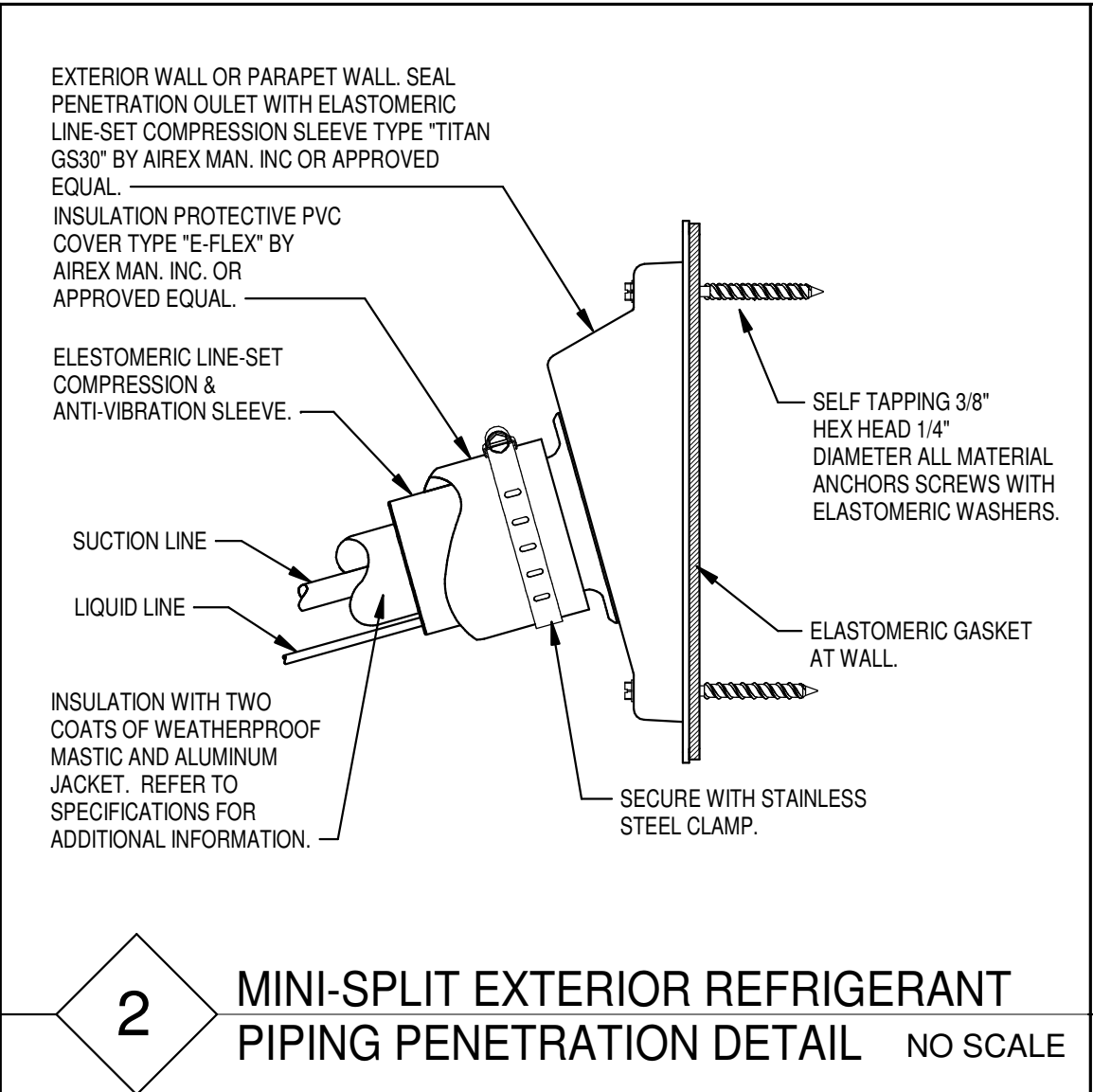
① First Floor Mechanical Plan  
1/4" = 1'-0" Refer to Architectural Drawings for All Dimensions



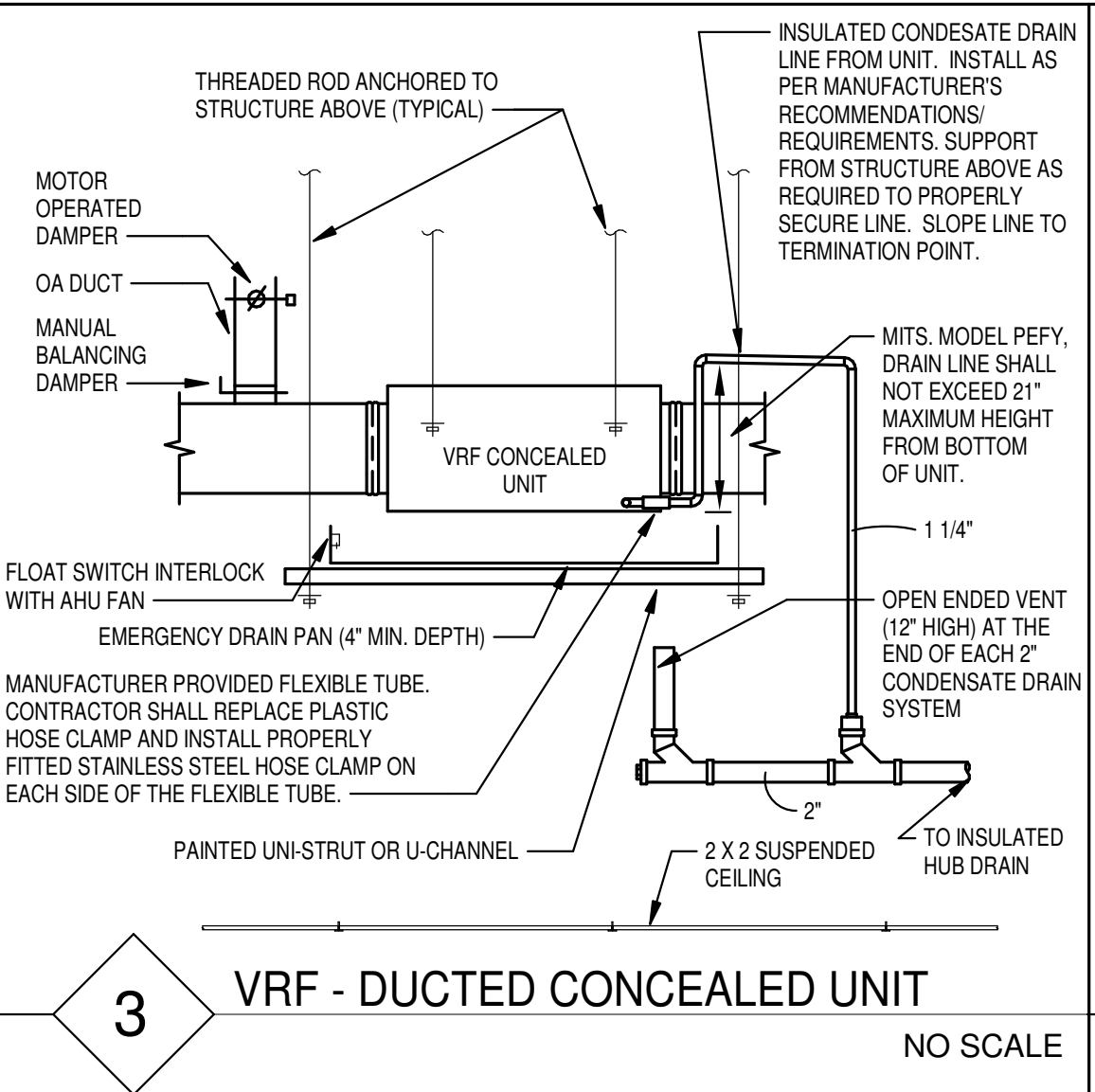




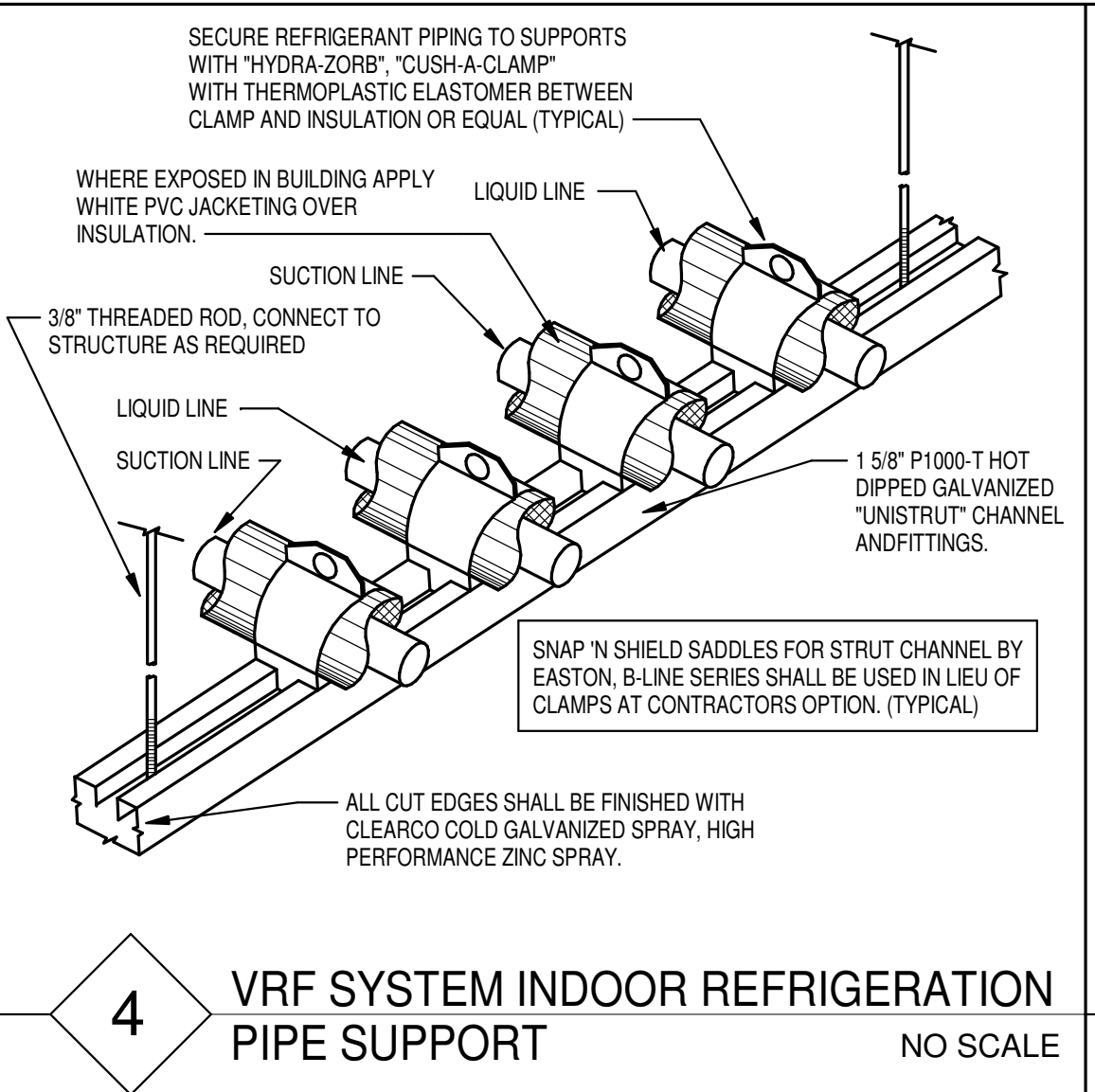
1 CONDENSING UNIT DETAIL (MINI-SPLIT)  
NO SCALE



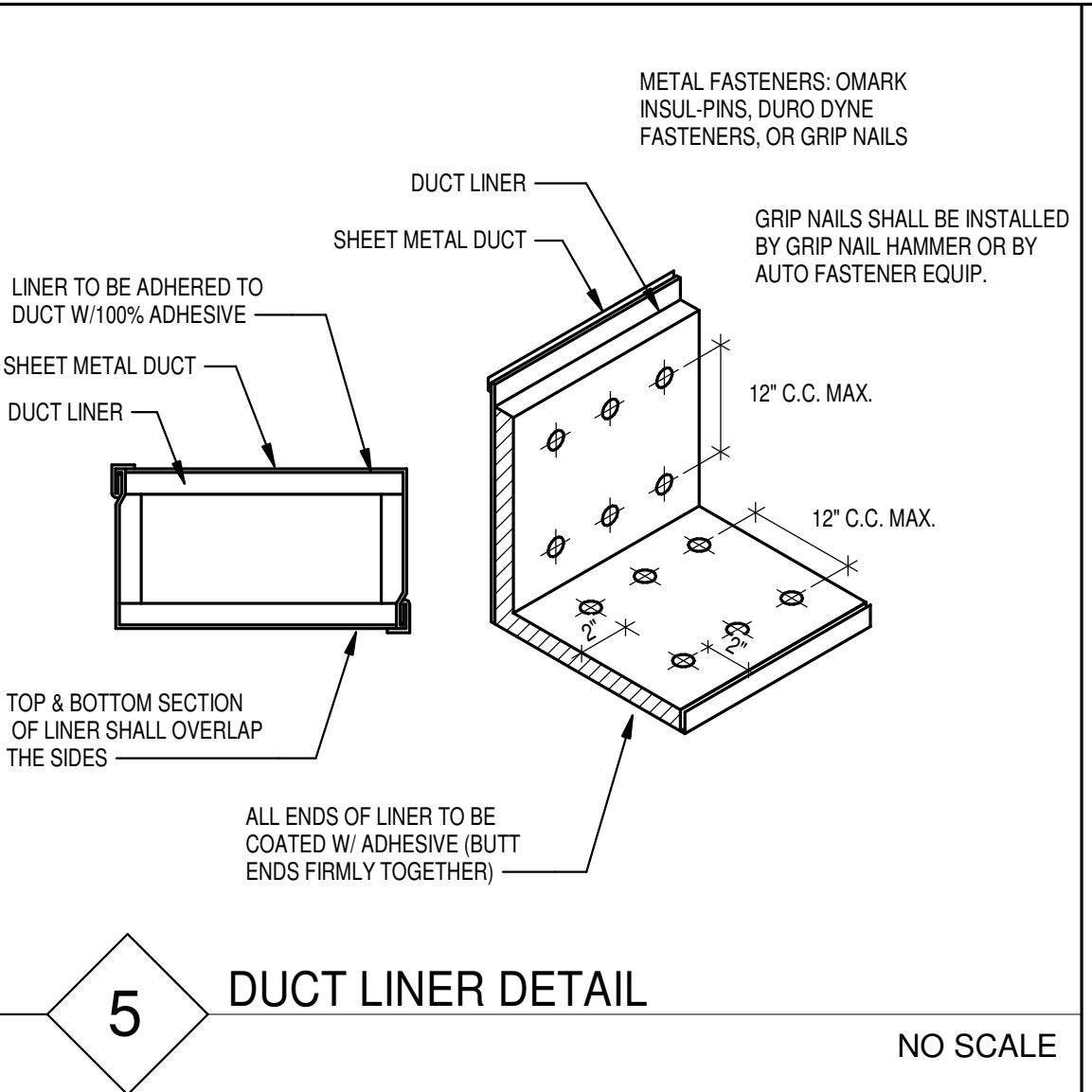
2 MINI-SPLIT EXTERIOR REFRIGERANT PIPING PENETRATION DETAIL  
NO SCALE



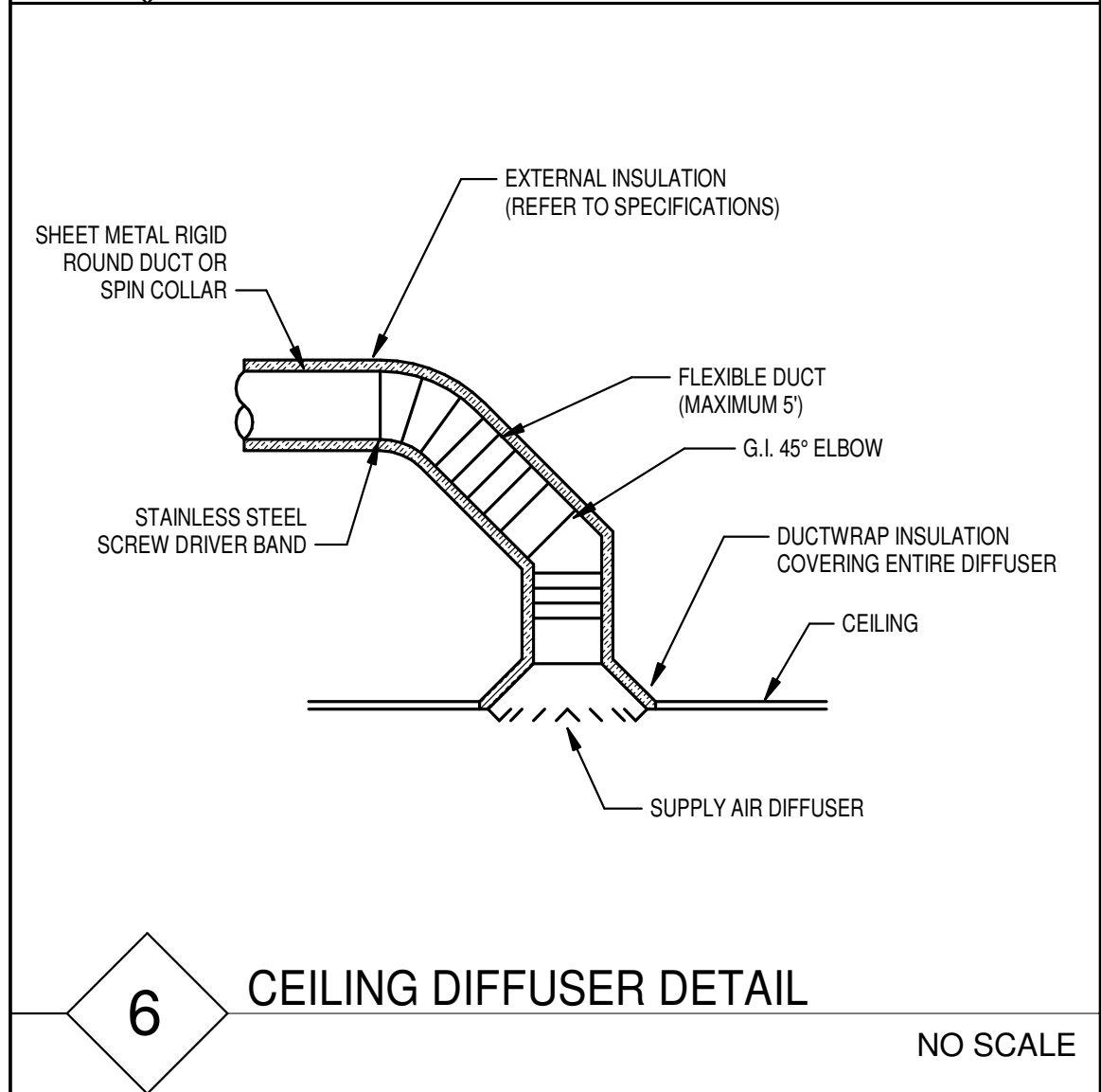
3 VRF - DUCTED CONCEALED UNIT  
NO SCALE



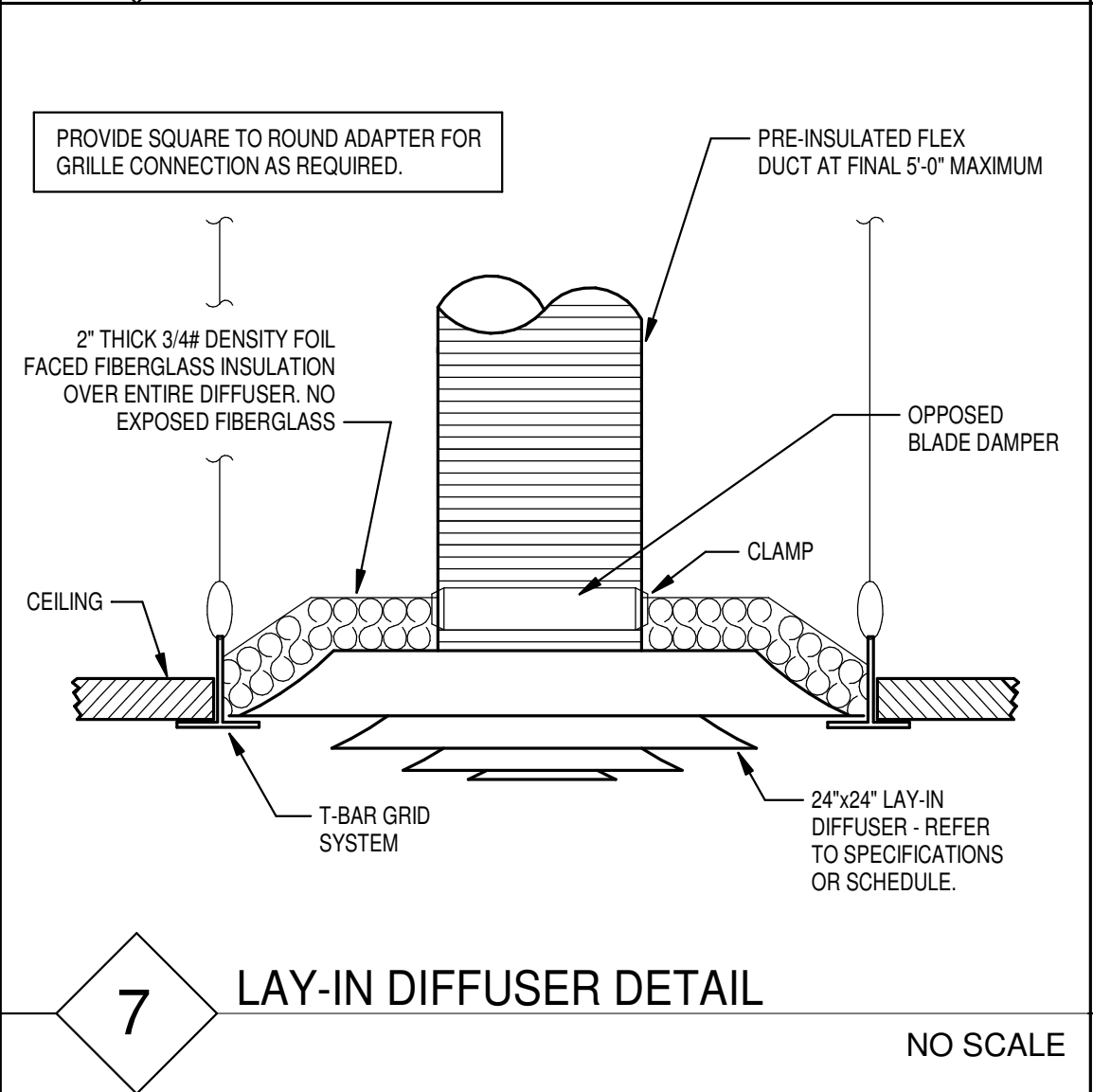
4 VRF SYSTEM INDOOR REFRIGERATION PIPE SUPPORT  
NO SCALE



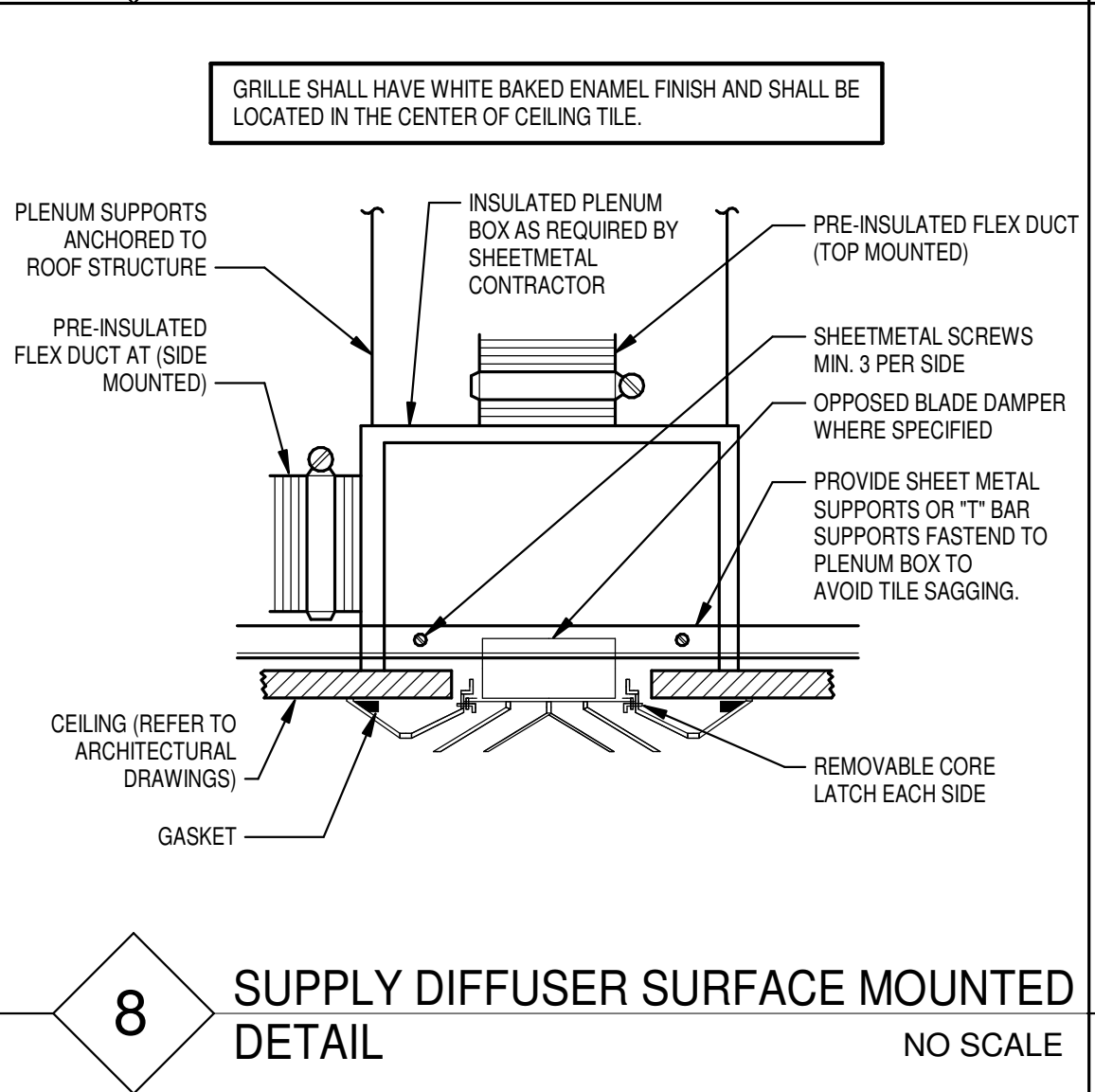
5 DUCT LINER DETAIL  
NO SCALE



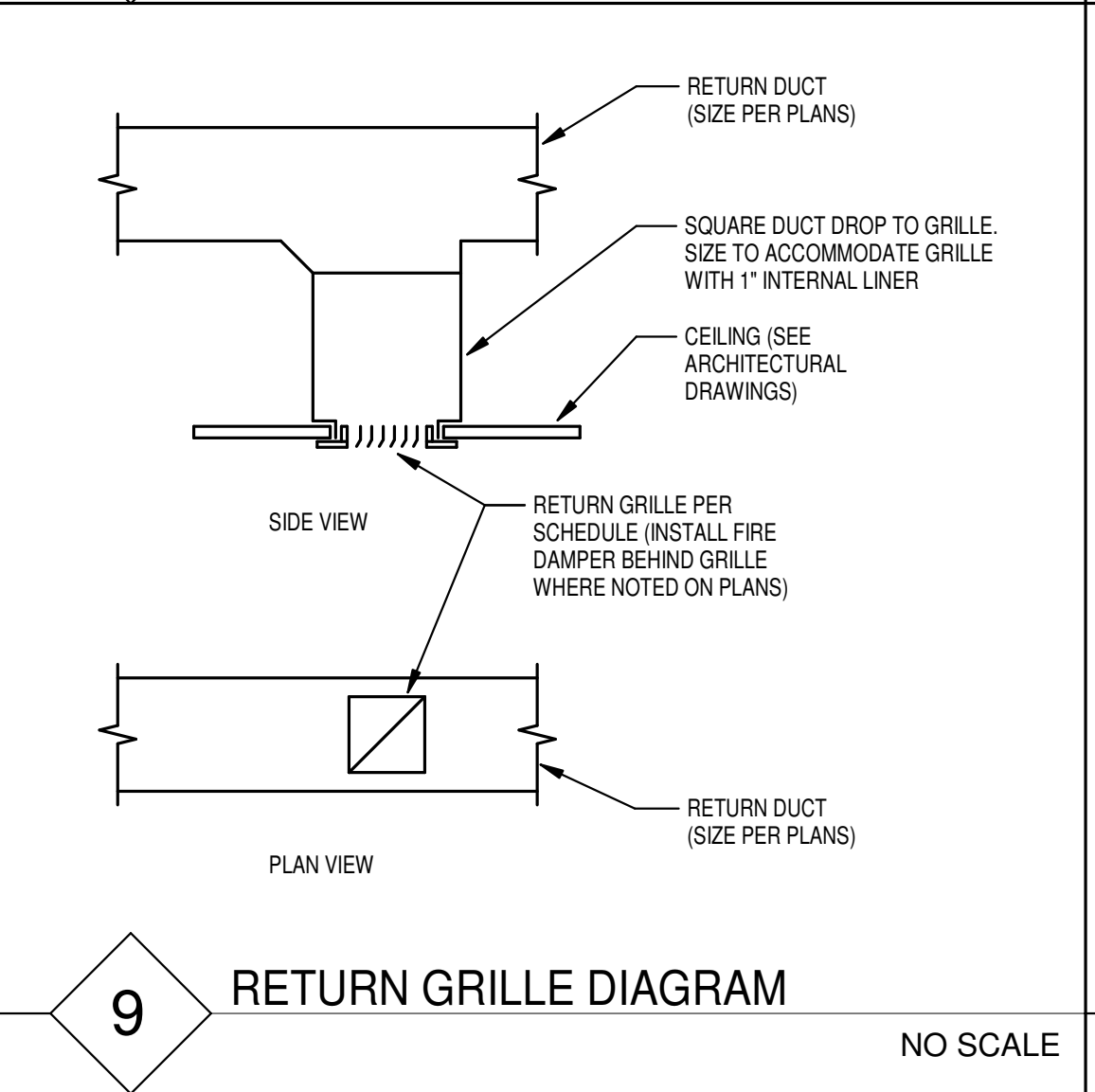
6 CEILING DIFFUSER DETAIL  
NO SCALE



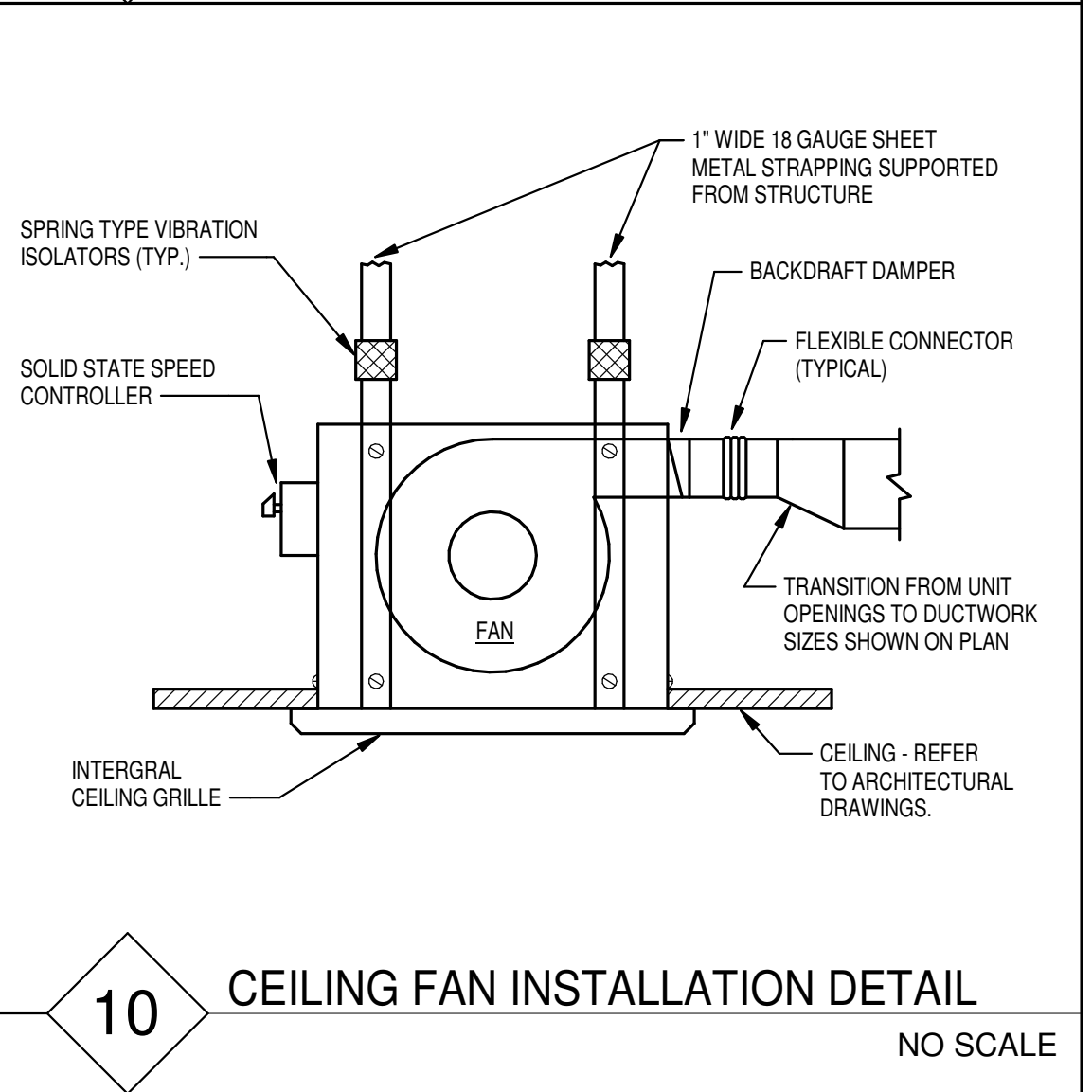
7 LAY-IN DIFFUSER DETAIL  
NO SCALE



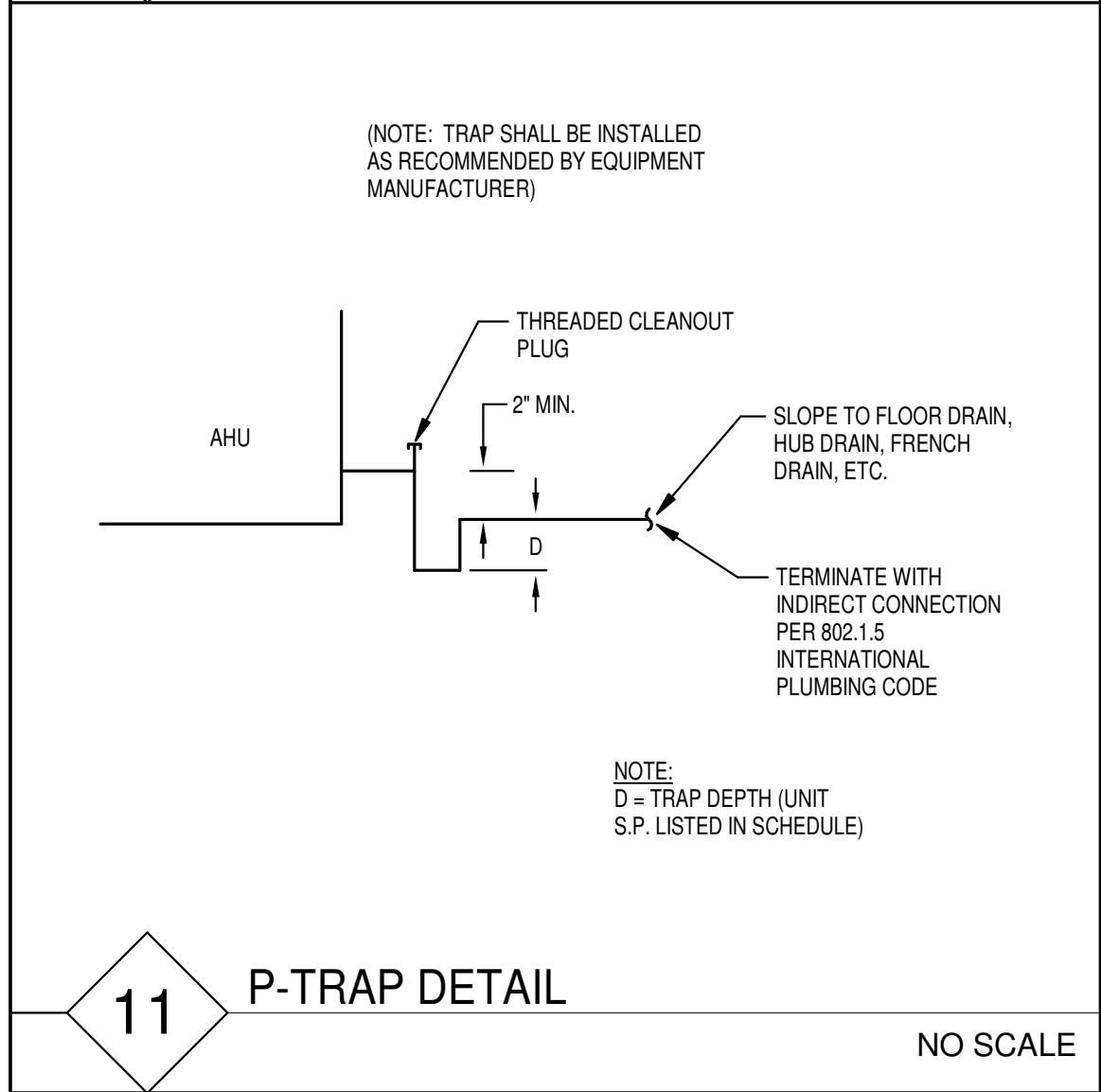
8 SUPPLY DIFFUSER SURFACE MOUNTED DETAIL  
NO SCALE



9 RETURN GRILLE DIAGRAM  
NO SCALE



10 CEILING FAN INSTALLATION DETAIL  
NO SCALE



11 P-TRAP DETAIL  
NO SCALE

VARIABLE REFRIGERANT FLOW (VRF) - HEAT PUMP - OUTDOOR UNIT SCHEDULE														
GROUP NO.	SERVICE	COOLING		HEATING			ELECTRICAL				REFRIGERANT TYPE	SOUND LEVEL dB(A)	BASIS OF DESIGN	
		MIN. BTU/H OUTPUT	AMBIENT TEMP. (°F)	MIN BTU/H OUTPUT	INDOOR TEMP. (°F)	OUTDOOR TEMP. (°F) D.B.   W.B.	VOLTAGE	PHASE	MCA CIRC. 1   CIRC. 2	MOCp CIRC. 1   CIRC. 2				
HP-1	LARGE CONFERENCE	48000	95	54000	70	47 43	240	1	31 0	44 0	R-410a	54	MITSUBISHI SMART MULTI MXZ-SM48NAM-U1	
HP-2	ENTRY/RECEPTION/PASTOR	48000	95	54000	70	47 43	240	1	31 0	44 0	R-410a	54	MITSUBISHI SMART MULTI MXZ-SM48NAM-U1	
HP-3	COFFEE/CONFERENCE	48000	95	54000	70	47 43	240	1	31 0	44 0	R-410a	54	MITSUBISHI SMART MULTI MXZ-SM48NAM-U1	

- NOTES:
1. MAXIMUM DISTANCE BETWEEN COMBINED UNITS ON ONE REFRIGERANT SYSTEM - 32 FEET.
  2. INSULATE SUCTION, LIQUID AND RECOVERY REFRIGERANT LINES.
  3. ALL UNITS SHALL BE COMPLETE WITH STOP VALVE WITH SERVICE PORT ON LIQUID, GAS, AND RECOVERY LINES. VALVES SHALL BE LOCATED SUCH THAT UNIT CAN BE REMOVED AND REPLACED WITHOUT SHUTTING DOWN THE ENTIRE SYSTEM.
  4. MECHANICAL CONTRACTOR SHALL COORDINATE WITH ELECTRICAL SUB CONTRACTOR ON MANUFACTURER SELECTED FOR THE PROJECT. INSTALLATION OF REFRIGERANT PIPING, CONTROL WIRING, POWER WIRING, ETC. SHALL BE INSTALLED PER MANUFACTURER'S RECOMMENDATIONS.
  5. BASIS OF DESIGN: OPTION 1 - MITSUBISHI CITY MULTI, OPTION 2 - DAIKIN. THE MECHANICAL CONTRACTOR IS RESPONSIBLE FOR ANY ADDITIONAL ELECTRICAL COST FOR OTHER VRF/VRV MANUFACTURES TO THE ELECTRICAL CONTRACTOR.
  6. PROVIDE A TWINNING KIT FOR EACH UNIT GROUP.
  7. EACH UNIT REQUIRES A DEDICATED ELECTRICAL CIRCUIT.
  8. ANCHOR UNITS TO CONCRETE PAD. INSTALL ISOLATION PAD BETWEEN UNIT AND CONCRETE AT MOUNTING POINTS.

VARIABLE REFRIGERANT FLOW (VRF) - HEAT PUMP - INDOOR UNIT SCHEDULE																	
UNIT NO.	SERVICE	UNIT TYPE	WEIGHT	FAN CFM		COOLING		HEATING		ELECTRICAL			SOUND LEVEL dB (A)		CONTROL		BASIS OF DESIGN
				HIGH	LOW	MIN. BTU/H OUTPUT	E.A.T. (°F) D.B.   W.B.	MIN. BTU/H OUTPUT	INDOOR TEMP (°F)	MCA	VOLTAGE	PHASE	HIGH	LOW			
HP-1/1	LARGE CONFERENCE 113	CONCEALED DUCTED	86 lbs	1412	998	48000	80 67	54000	70	3.4	208	1	44	35	WALL MOUNTED CONTROLLER		MITSUBISHI CITY MULTI PEFY-P48NMAU-E4
HP-2/1	ENTRY 101/RESTROOMS	CONCEALED DUCTED	58 lbs	600	424	18000	80 67	20000	70	1.6	208	1	35	28	WALL MOUNTED CONTROLLER		MITSUBISHI CITY MULTI PEFY-P18NMAU-E4
HP-2/2	ENTRY 101/RESTROOMS	CONCEALED DUCTED	67 lbs	883	618	24000	80 67	30000	70	2.73	208	1	39	30	WALL MOUNTED CONTROLLER		MITSUBISHI CITY MULTI PEFY-P24NMAU-E4
HP-3/1	ENTRY 101/RESTROOMS	CONCEALED DUCTED	58 lbs	494	353	15000	80 67	17000	70	1.5	208	1	34	28	WALL MOUNTED CONTROLLER		MITSUBISHI CITY MULTI PEFY-P15NMAU-E4
HP-3/2	ENTRY 101/RESTROOMS	CONCEALED DUCTED	67 lbs	883	618	24000	80 67	30000	70	2.73	208	1	39	30	WALL MOUNTED CONTROLLER		MITSUBISHI CITY MULTI PEFY-P24NMAU-E4

- NOTES:
1. UNIT SHALL BE PROVIDED WITH AIR OUTLET SHUTTER PLATES WHERE AIR FLOW IS DUCTED FROM THE UNIT OR WHERE DIRECTION FLOW ARROWS ARE NOT SHOWN.
  2. ALL UNITS SHALL BE COMPLETE WITH STOP VALVE WITH SERVICE PORT ON LIQUID, GAS, AND RECOVERY LINES. VALVES SHALL BE LOCATED SUCH THAT UNIT CAN BE REMOVED AND REPLACED WITHOUT SHUTTING DOWN THE ENTIRE SYSTEM.
  3. UNIT CONTROL: WALL MOUNTED CONTROLLER (WIRED REMOTE WALL MOUNTED CONTROLLER WITH INTEGRAL TEMPERATURE SENSOR). REFER TO PLANS FOR QUANTITY OF WALL MOUNTED CONTROLLERS REQUIRED.
  4. PROVIDE TWO (2) SPARE SETS OF PLEATED FILTERS TO OWNER FOR EACH UNIT THAT HAS FILTER BACK GRILLES OR FILTER BOXES.
  5. CONTRACTOR SHALL REMOVE THE PLASTIC CONDENSATE HOSE CLAMP (AT UNIT CONNECTION) ON EACH INDOOR UNIT. FURNISH AND INSTALL A STAINLESS STEEL HOSE CLAMP ON THE CONDENSATE DRAIN HOSE (AT UNIT CONNECTION) ON EACH INDOOR UNIT. THE STAINLESS STEEL HOSE CLAMP SHALL BE APPROPRIATELY SIZED TO CREATE A WATER TIGHT SEAL.
  6. BASIS OF DESIGN: OPTION 1 - MITSUBISHI CITY MULTI, OPTION 2 - DAIKIN. THE MECHANICAL CONTRACTOR IS RESPONSIBLE FOR ANY ADDITIONAL ELECTRICAL COST FOR OTHER VRF/VRV MANUFACTURES TO THE ELECTRICAL CONTRACTOR.
  7. CASSETTE UNITS SHALL CYCLE FAN ON/OFF WITH CALL FOR COOLING/HEATING. ADJUST DIP-SWITCH ON EACH UNIT AS REQUIRED TO ALLOW THE FAN TO BE OFF WHEN NO CALL FOR COOLING/HEATING.

FAN SCHEDULE											
UNIT NO.	SERVICE	MIN. CFM	EXT. S.P.	RPM	SONES	FAN H.P.	TYPE	DRIVE	ELECTRICAL SERVICE	CONTROL	BASIS OF DESIGN
EF-1	RESTROOM 110	50	0.25	652	1.4	25W	CEILING	DIRECT	120-1-60	SWITCH W/ LIGHTS	COOK GC-128
EF-2	RESTROOM 111	50	0.25	652	1.4	25W	CEILING	DIRECT	120-1-60	SWITCH W/ LIGHTS	COOK GC-128
EF-3	JANITOR 109	100	0.25	706	1.5	128W	CEILING	DIRECT	120-1-60	WALL SWITCH	COOK GC-148
EF-4	RESTROOM 105A	50	0.25	652	1.4	25W	CEILING	DIRECT	120-1-60	SWITCH W/ LIGHTS	COOK GC-128

- NOTES:
1. PROVIDE FAN WITH INTEGRAL BACK-DRAFT DAMPER, INTEGRAL ALUMINUM CEILING GRILLE, SOLID STATE SPEED CONTROLLER FOR BALANCING, AND SPRING TYPE ISOLATORS.

LOUVER SCHEDULE										
SYMBOL	SERVICE	BLADE ORIENTATION	BPWP (FPM)	SIZE (W"xH"xD")	DESIGN FLOW (CFM)	FREE AREA MIN (SF)	AIR VEL. (FPM)	AIR P.D. (IN. WC)	AMCA 540/550	SCREEN (BIRD/INSECT)
L-1	OUTSIDE AIR INTAKE	VERTICAL	1250	24"x12"x6"	145	0.2	725	0.06	540/550	INSECT
L-2	EXHAUST	VERTICAL	1250	30"x12"x6"	250	0.2	1250	0.06	540/550	BIRD
L-3	OUTSIDE AIR INTAKE	VERTICAL	1250	24"x12"x6"	90	0.2	450	0.02	540/550	INSECT

- NOTES:
1. LOUVERS SHALL HAVE 70% KYNAR FINISH, COLOR TO BE SELECTED BY ARCHITECT.
  2. LOUVERS AND LOUVER ACCESSORIES TO BE ALUMINUM.
  3. LOUVERS TO MEET AMCA 540/550 RATINGS.
  4. LOUVERS WITHIN METAL PANELS TO BE FULLY FLANGED (NO EXTENDED SILL), ALL OTHER MOUNTING SURFACES TO HAVE CHANNEL FRAME WITH EXTENDED SILLS. REFER TO ARCHITECTURAL ELEVATIONS FOR EXACT BUILDING MATERIALS.

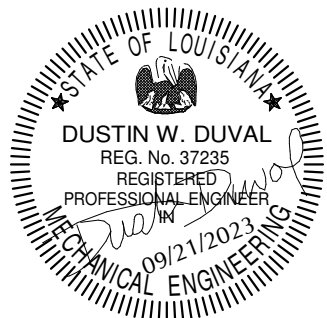
DIFFUSER/GRILLE SCHEDULE						
SYMBOL	SIZE	SERVICE	LOCATION	FINISH	O.B.D.	BASIS OF DESIGN
A	6"ø	SUPPLY	CEILING	WHITE	O.B.D.	TITUS TDC-AA-3 (24"x24" LAY-IN)
AA	6"x6"	SUPPLY	CEILING	WHITE	O.B.D.	TITUS TDC-AA-6 (SURFACE MOUNT)
C	10"ø/12"ø	SUPPLY	CEILING	WHITE	O.B.D.	TITUS TDC-AA-3 (24"x24" LAY-IN)
CC	12"x12"	SUPPLY	CEILING	WHITE	O.B.D.	TITUS TDC-AA-6 (SURFACE MOUNT)
M	12"x12"	RETURN	CEILING	WHITE	---	TITUS 355FL-1 (SURFACE MOUNT)
N	22"x22"	RETURN	CEILING	WHITE	---	TITUS 355FLF1-3 (24"x24" LAY-IN, FILTER BACK)

- NOTES:
1. COORDINATE FINAL FINISHES AND COLOR WITH ARCHITECT.
  2. REFER TO PLANS FOR DIRECTION OF AIR FLOW FOR GRILLES. IF DIRECTION IS NOT INDICATED, AIR FLOW IS IN FOUR DIRECTION (4-WAY GRILLE).
  3. COORDINATE FINAL LOCATIONS WITH REFLECTIVE CEILING PLANS. REFER TO ARCHITECTURAL DRAWINGS.
  4. ALL DIFFUSERS SHALL HAVE ALUMINUM CONSTRUCTION.



1304 BERTRAND DRIVE SUITE F7  
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Electrical Contact: Terry Kirsch  
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PROJECT No.: 19162.00

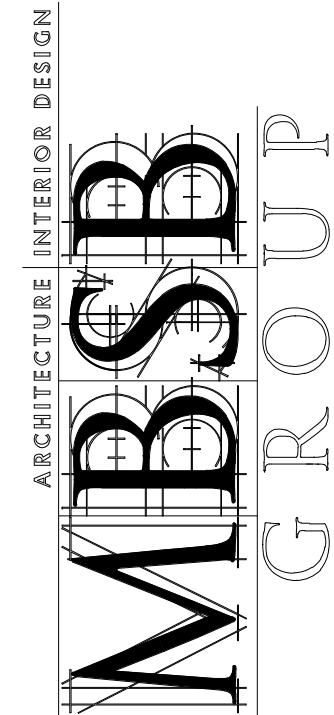






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DEFINE	DESIGN				DELIVER	
ELECTRICAL ABBREVIATIONS	ELECTRICAL LEGEND				ELECTRICAL GENERAL NOTES	
<div>CT DENOTES COUNTER-TOP-HEIGHT MOUNTED. CONTRACTOR TO VERIFY COUNTER TOP HEIGHT AND HEIGHT OF BACK SPLASH.</div> <div>E DENOTES EMERGENCY DEVICE</div> <div>G DENOTES GROUND FAULT INTERRUPTER PROTECTED</div> <div>WP DENOTES WEATHERPROOF</div> <div>AFF DENOTES ABOVE FINISHED FLOOR</div> <div>C DENOTES CONDUIT</div> <div>A DENOTES AMP</div> <div>EWC ELECTRICAL WATER COOLER</div> <div>W WALL MOUNTED-48" ABOVE FINISHED FLOOR OR AS NOTED</div> <div>CB CODE BLUE</div> <div>IG DENOTES ISOLATED GROUND</div> <div>FDS FUSED DISCONNECT SWITCH</div> <div>BOF BOTTOM OF FIXTURE</div> <div>MRR MANUFACTURER'S RECOMMENDED RATING</div> <div>WR WEATHER RESISTANT</div> <div>VOJ VERIFY ON JOB</div> <div>VR VANDAL RESISTANT</div> <div>SPD SURGE PROTECTION DEVICE - REFER TO SPECIFICATIONS.</div>	<div>SYMBOL</div> <div></div>	<div>LIGHTING DESCRIPTION</div> <div>LIGHTING FIXTURE-REFER TO LIGHTING FIXTURE SCHEDULE</div>	<div>SYMBOL</div> <div></div>	<div>SPECIAL SYSTEMS DESCRIPTION</div> <div>COMMUNICATIONS OUTLET - DEEP 4" SQUARE BOX WITH SINGLE GANG PLASTER RING WITH PULLSTRING IN 1" CONDUIT TO ACCESSIBLE CEILING (18" A.F.F OR AS NOTED) - PROVIDE A BLANK PLATE.</div>	<div>1. ELECTRICAL INSTALLATION SHALL BE IN ACCORDANCE WITH THE CURRENT EDITION OF THE NATIONAL ELECTRICAL CODE (NEC) AS WELL AS ANY LOCAL CODES AND ORDINANCES.</div> <div>2. MAINTAIN PROPER WORKING SPACE CLEARANCES ABOUT ELECTRICAL EQUIPMENT PER NEC ARTICLE 110.26.</div> <div>3. FULLY COORDINATE ALL ELECTRICAL REQUIREMENTS OF EQUIPMENT BEING FURNISHED BY ALL DIVISIONS UNDER THIS CONSTRUCTION CONTRACT. EACH SYSTEM SHALL BE COMPLETE AND FULLY FUNCTIONAL. THIS INCLUDES MECHANICAL, PLUMBING, OWNER PROVIDED AND CONTRACTOR PROVIDED EQUIPMENT. CONTRACTOR TO REFER TO EQUIPMENT INSTALLATION DOCUMENTS AND SHOP DRAWINGS PRIOR TO ANY ROUGH-IN.</div> <div>4. CONTRACTOR SHALL COORDINATE CIRCUIT BREAKER AND FUSE SIZES FOR MECHANICAL EQUIPMENT PER SUBMITTED EQUIPMENT MANUFACTURER'S RECOMMENDED NAMEPLATE RATINGS PRIOR TO SHOP DRAWING PHASE OF PROJECT.</div> <div>5. COORDINATE LOCATION OF ELECTRICAL EQUIPMENT WITH PIPES AND DUCT WORK BEING SUPPLIED BY OTHER DIVISIONS. THE EQUIPMENT SPACE INCLUDED ALL REFERENCED NEC CLEARANCES SHALL BE MAINTAINED. IF ANY PIPES OR DUCT WORK VIOLATE ANY ELECTRICAL CLEARANCE REQUIREMENTS, IT SHALL BE REMOVED AND RELOCATED AT THE CONTRACTOR'S EXPENSE. DRIP PANS ARE NOT PERMITTED UNLESS SPECIFICALLY CALLED FOR IN THE CONSTRUCTION DOCUMENTS.</div> <div>6. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO SEE THAT ALL EQUIPMENT THAT MAY REQUIRE MAINTENANCE AND OPERATION ARE READILY ACCESSIBLE. REGARDLESS OF THE DIAGRAMMATIC LOCATION SHOWN ON THE DRAWINGS, ALL CONNECTIONS TO FIXTURES AND EQUIPMENT SHOWN ON THE DRAWINGS SHALL BE CONSIDERED DIAGRAMMATIC UNLESS OTHERWISE INDICATED BY A SPECIFIC DETAIL ON THE DRAWINGS. THE ACTUAL CONNECTIONS SHALL BE MADE TO FULLY SUIT THE REQUIREMENTS OF EACH CASE AND ADEQUATELY PROVIDE FOR SERVICING.</div> <div>7. CONTRACTOR SHALL TAMP AND BACKFILL ALL TRENCHES. TRENCHES SHALL BE LEVEL WITH FINISH GRADE.</div> <div>8. CONTRACTOR SHALL VISIT THE SITE AND DETERMINE THE EXTENT OF DEMOLITION WORK AND NEW WORK NEEDED FOR THIS PROJECT.</div> <div>9. CONTRACTOR SHALL BECOME FAMILIAR WITH THE PROJECT SCOPE, CONSTRAINTS, UTILITY CONNECTIONS, AND BUILDING SERVICES.</div> <div>10. DRAWINGS ARE SCHEMATIC AND DIAGRAMMATIC IN NATURE. DRAWINGS SHALL NOT BE SCALED. COORDINATE ROUTING OF SERVICES WITH SITE CONDITIONS AND WITH WORK OF OTHER TRADES.</div> <div>11. FIELD VERIFY DIMENSIONS PRIOR TO ORDERING, FABRICATING, AND ERECTION OF MATERIAL AND/OR EQUIPMENT. NOTIFY THE ENGINEER OF DISCREPANCIES IN A TIMELY MANNER.</div> <div>12. SEAL PENETRATIONS THROUGH THE BUILDING ENVELOPE. REFER TO ARCHITECTURAL SPECIFICATIONS.</div> <div>13. PENETRATIONS THROUGH RATED WALLS, FLOORS, PARTITIONS AND ASSEMBLIES SHALL BE INSTALLED AND FIRESAFED TO MEET UL FIRE RESISTANCE LISTING AND NFPA REQUIREMENTS FOR THE PENETRATION. REFER TO ARCHITECTURAL SPECIFICATIONS.</div> <div>14. COORDINATE DEVICES REQUIRING ACCESS PANELS WITH THE ARCHITECT AND OTHER TRADES.</div> <div>15. DEVICE SYMBOLS ALONG WITH DRAWINGS, DRAWING NOTES, AND SPECIFICATIONS ARE INTENDED TO PROVIDE A COMPLETE SYSTEM. CONTRACTOR TO COORDINATE WITH ALL TRADES TO PROVIDE A COMPLETE SYSTEM.</div>	
	<div></div>	<div>LIGHTING FIXTURE-REFER TO LIGHTING FIXTURE SCHEDULE</div>	<div></div>	<div>TELEVISION OUTLET-DEEP 4" SQUARE BOX WITH SINGLE GANG PLASTER RING WITH PULLSTRING IN 1" C. TO ACCESSIBLE CEILING (VERIFY MOUNTING HEIGHT AND LOCATION WITH ARCHITECT) - PROVIDE BLANK PLATE.</div>		
	<div></div>	<div>LIGHTING FIXTURE-REFER TO LIGHTING FIXTURE SCHEDULE</div>	<div></div>	<div>DATA JACK ABOVE CEILING W/ 30" OF SLACK (FUTURE WIRELESS ACCESS POINT) XX - DENOTES CABLE QUANTITY</div>		
	<div></div>	<div>CEILING MOUNTED EXIT LIGHT - REFER TO LIGHTING FIXTURE SCHEDULE - ARROWS DEFINE DIRECTION</div>	<div></div>	<div>TELEVISION OUTLET-DEEP 4" SQUARE BOX WITH SINGLE GANG PLASTER RING WITH PULLSTRING IN 1" C. TO ACCESSIBLE CEILING (VERIFY MOUNTING HEIGHT AND LOCATION WITH ARCHITECT) - PROVIDE BLANK PLATE.</div>		
	<div></div>	<div>WALL MOUNTED EXIT LIGHT - COORDINATE FINAL MOUNTING HEIGHT WITH THE ARCHITECT - REFER TO LIGHTING FIXTURE SCHEDULE - ARROWS DEFINE DIRECTION</div>	<div></div>	<div>AUDIO &amp; VISUAL - DEEP 4" SQUARE DEEP DOUBLE GANG BOX WITH DOUBLE GANG PLASTER RING (MOUNT 18" A.F.F. V.O.J.) WITH 1 1/4" CONDUIT WITH PULLSTRING TO A MINIMUM OF 6" ABOVE CEILING. VERIFY LOCATION WITH OWNER/ARCHITECT PRIOR TO INSTALLATION.</div>		
	<div></div>	<div>EMERGENCY LIGHT (8'-0" A.F.F. OR AS NOTED) - REFER TO LIGHTING FIXTURE SCHEDULE</div>	<div></div>	<div>OVERHEAD PROJECTOR - DEEP 4" SQUARE BOX INSTALLED ABOVE CEILING ADJACENT TO OVERHEAD PROJECTOR (SEE DETAIL)</div>		
	<div></div>	<div>CEILING MOUNTED EGRESS LIGHT - REFER TO LIGHTING FIXTURE SCHEDULE</div>	<div></div>	<div>AUDIO &amp; VISUAL - RECESSED FLOOR BOX - WIREMOLD RFB9 OR EQUAL (SEE DETAIL)</div>		
	<div></div>	<div>PHOTOCELL</div>	<div></div>	<div>SMART BOARD J-BOX - 4" SQUARE DEEP BOX WITH SINGLE GANG PLASTER RING WITH CABLE/PULLSTRING IN 3/4" CONDUIT TO ACCESSIBLE CEILING. (SEE DETAIL)</div>		
	<div></div>	<div>SINGLE POLE TOGGLE SWITCH (48" A.F.F. TO CENTER OF DEVICE OR AS NOTED)</div>	<div></div>	<div>CONTROL STATION - 4" SQUARE DEEP BOX WITH SINGLE GANG PLASTER RING WITH CABLE/PULLSTRING IN 3/4" CONDUIT TO ACCESSIBLE CEILING. (SEE DETAIL)</div>		
	<div></div>	<div>THREE-WAY TOGGLE SWITCH (48" A.F.F. TO CENTER OF DEVICE OR AS NOTED)</div>	<div></div>	<div>SECURITY SYSTEM DESCRIPTION</div>		
	<div></div>	<div>WALL MOUNTED DIMMER SWITCH WITH ON/OFF AND 0-10V OUTPUT DIMMING. DIMMER MUST BE COMPATIBLE WITH BALLAST OR LED. REFER TO SPECIFICATIONS. PROVIDE ALL NECESSARY CONDUCTORS FOR COMPLETE OPERATING SYSTEM. (48" A.F.F. TO CENTER OF DEVICE OR AS NOTED)</div>	<div></div>	<div>SURVEILLANCE CAMERA - DEEP 4" SQUARE BOX WITH SINGLE GANG PLASTER RING WITH (1) CAT6 CABLE IN 3/4" CONDUIT TO ACCESSIBLE CEILING. VERIFY HEIGHT, LOCATION, AND QUANTITY WITH OWNER/ARCHITECT PRIOR TO INSTALLATION. CONTRACTOR TO COIL UP 10' OF CABLING AT CAMERA LOCATION AND AT COMMUNICATION BACKBOARD.</div>		
	<div></div>	<div>MOTOR RATED SWITCH (48" A.F.F. TO CENTER OF DEVICE OR AS NOTED). CONTRACTOR TO PROVIDE SWITCH TO DE-ENERGIZE EACH CURRENT CARRYING CONDUCTOR. LOCATE ADJACENT TO EQUIPMENT BEING SERVED IN A READILY ACCESSIBLE LOCATION.</div>	<div></div>	<div>CARD READER - DEEP 4" SQUARE BOX WITH SINGLE GANG PLASTER RING WITH CABLE/PULLSTRING IN 3/4" CONDUIT TO ACCESSIBLE CEILING (48" A.F.F. TO CENTER OF DEVICE OR AS NOTED)</div>		
	<div></div>	<div>SINGLE POLE KEYED SWITCH (48" A.F.F. TO CENTER OF DEVICE OR AS NOTED)</div>	<div></div>	<div>SECURITY SYSTEM MOTION DETECTOR - LONG RANGE - COORDINATE ROUGH-IN REQUIREMENTS WITH SECURITY SYSTEM PROVIDER.</div>		
	<div></div>	<div>SWITCH (48" A.F.F. TO CENTER OF DEVICE OR AS NOTED) COORDINATE TYPE AND INSTALLATION REQUIREMENTS WITH MANUFACTURE. COORDINATE LOCATION WITH OWNER.</div>	<div></div>	<div>SECURITY SYSTEM MOTION DETECTOR - WIDE RANGE - COORDINATE ROUGH-IN REQUIREMENTS WITH SECURITY SYSTEM PROVIDER.</div>		
	<div></div>	<div>SINGLE POLE SWITCH. MOUNT IN DOOR SWING. LEE ELECTRIC: 210DN</div>	<div></div>	<div>SECURITY SYSTEM KEY PAD - DEEP 4" SQUARE BOX WITH SINGLE GANG PLASTER RING WITH CABLE/PULLSTRING IN 3/4" CONDUIT TO ACCESSIBLE CEILING</div>		
	<div></div>	<div>INBOARD AND OUTBOARD SWITCHING UNLESS NOTED OTHERWISE (48" A.F.F. TO CENTER OF DEVICE OR AS NOTED)</div>	<div></div>	<div>SECURITY SYSTEM DOOR CONTACT - COORDINATE ROUGH-IN REQUIREMENTS WITH SECURITY SYSTEM PROVIDER.</div>		
	<div></div>	<div>SINGLE POLE DIGITAL PRESET COUNT DOWN TYPE TIMER SWITCH (48" A.F.F. TO CENTER OF DEVICE OR AS NOTED) SENSORSWITCH PTS 60 OR EQUAL</div>	<div></div>	<div>SECURITY SYSTEM HORN - DEEP 4" SQUARE BOX WITH SINGLE GANG PLASTER RING WITH CABLE/PULLSTRING IN 3/4" CONDUIT TO ACCESSIBLE CEILING.</div>		
	<div></div>	<div>WALL MOUNTED OCCUPANCY SENSOR (48" AFF TO CENTER OF DEVICE OR AS NOTED) - REFER TO SPECIFICATIONS.</div>	<div></div>			
	<div></div>	<div>WALL MOUNTED DOUBLE SWITCH OCCUPANCY SENSOR (48" AFF TO CENTER OF DEVICE OR AS NOTED) - REFER TO SPECIFICATIONS.</div>	<div></div>			
	<div></div>	<div>CORNER MOUNTED OCCUPANCY SENSOR - MOUNTING HEIGHT TO BE DETERMINED PER MANUFACTURER'S RECOMMENDATIONS FOR OPTIMAL COVERAGE - MYTECH, WATT STOPPER</div>	<div></div>			
	ELECTRICAL LINE TYPE LEGEND					
	<div></div> SCREENED LINES/SYMBOLS INDICATE EXISTING DEVICES TO REMAIN.					
<div></div> DASHED LINES/SYMBOLS INDICATE EXISTING DEVICES TO BE REMOVED OR RELOCATED.						
<div></div> BOLD LINES/SYMBOLS INDICATE NEW OR RELOCATED DEVICES.						
<div></div> SOLID-FILL LIGHTS INDICATE EMERGENCY FIXTURES.						
<div>POWER DESCRIPTION</div>						
<div></div>	<div>DUPLEX CONVENIENCE OUTLET (18" A.F.F. FOR GENERAL AREAS, 36" A.F.F. FOR GARAGES, HANGARS AND THE LIKE OR AS NOTED)</div>					
<div></div>	<div>TELEVISION OUTLET (VERIFY MOUNTING HEIGHT AND LOCATION WITH ARCHITECT)</div>					
<div></div>	<div>ELECTRICAL WATER COOLER; COORDINATE ELECTRICAL DEVICE/OUTLET TYPE AND LOCATION WITH PLUMBING CONTRACTOR (CONCEAL OUTLET/DEVICE BEHIND COOLER) OUTLET TO BE GROUND FAULT INTERRUPTER PROTECTED.</div>					
<div></div>	<div>MICROWAVE OUTLET - RECESSED 20 AMP DUPLEX OUTLET. HUBBELL OR EQUAL. VERIFY EXACT MOUNTING LOCATION WITH OWNER/ARCHITECT PRIOR TO ROUGH IN.</div>					
<div></div>	<div>WATER HEATER; COORDINATE ELECTRICAL OUTLET/DISCONNECT TYPE AND LOCATION WITH PLUMBING CONTRACTOR</div>					
<div></div>	<div>SMART BOARD OUTLET - SB DENOTES HEIGHT OF OUTLET PER OWNER</div>					
<div></div>	<div>DUPLEX CONVENIENCE OUTLET (18" A.F.F. OR AS NOTED) TR DENOTES TAMPER RESISTANT - HUBBELL: RR20STR, GFTR20 OR EQUAL.</div>					
<div></div>	<div>COMBINATION RECEPTACLE/OUTLET AND DUAL USB CHARGER - LEVITON T5832 OR EQUAL. (18" A.F.F. OR AS NOTED)</div>					
<div></div>	<div>DOUBLE DUPLEX CONVENIENCE OUTLET (18" A.F.F. OR AS NOTED)</div>					
<div></div>	<div>SPECIAL OUTLET (VERIFY TYPE AND MOUNTING HEIGHT WITH EQUIPMENT MANUFACTURE)</div>					
<div></div>	<div>COUNTER TOP DUPLEX OUTLET (CLEAR BACK SPLASH)</div>					
<div></div>	<div>CEILING MOUNTED OUTLET</div>					
<div></div>	<div>MOTOR STARTER - PROVIDED BY MECHANICAL CONTRACTOR, INSTALLED BY ELECTRICAL CONTRACTOR.</div>					
<div></div>	<div>FLOOR BOX, POWER (COORDINATE FINAL LOCATION WITH OWNER/ARCHITECT PRIOR TO INSTALLATION) MINIMUM 2-3/4" CONDUITS TO ACCESSIBLE CEILING.</div>					
<div></div>	<div>FLOOR BOX, COMBINATION POWER/COMMUNICATIONS (COORDINATE FINAL LOCATION WITH OWNER/ARCHITECT PRIOR TO INSTALLATION. 2-1" CONDUITS IN SLAB TO 6" ABOVE ACCESSIBLE CEILING - PROVIDE BLANK PLATE.</div>					
<div></div>	<div>JUNCTION BOX</div>					
<div></div>	<div>CONTROL POWER FOR ENERGY MANAGEMENT SYSTEM - PROVIDE OUTLET OR JUNCTION BOX AT LOCATION PER EMS CONTRACTOR</div>					
<div></div>	<div>HAND DRYER - COORDINATE OUTLET/DEVICE TYPE WITH SUPPLIER. COORDINATE LOCATION WITH THE OWNER/ARCHITECT PRIOR TO ROUGH-IN.</div>					
<div></div>	<div>ELECTRICAL MOTOR (COORDINATE TERMINATION WITH SUPPLIER)</div>					
<div></div>	<div>FUSED DISCONNECT SWITCH - FUSE AT MANUFACTURE RECOMMENDED RATING UNLESS NOTED OTHERWISE. XX DENOTES DISCONNECT SIZE, Y DENOTES PHASE, ZZ F DENOTES FUSE SIZE.</div>					
<div></div>	<div>ELECTRICAL PANEL SURFACE MOUNTED</div>					
<div></div>	<div>ELECTRICAL PANEL FLUSH MOUNTED</div>					
<div></div>	<div>TELEPHONE/POWER POLE: COORDINATE EXACT MOUNTING LOCATION WITH FURNITURE MANUFACTURE. MAKE FINAL CONNECTIONS. REFER TO DETAIL. WIRE MOLD: 30TP-4V</div>					
<div></div>	<div>CONDUIT RUN CONCEALED IN WALL OR ABOVE CEILING</div>					
<div></div>	<div>CONDUIT RUN CONCEALED UNDER FLOOR OR BELOW GRADE</div>					
<div></div>	<div>HOMERUN TO ELECTRIC PANEL BOARD (INDICATED NUMBER OF CIRCUIT BY NUMBER OF ARROWS)</div>					
<div></div>	<div>THREE (3) CONDUCTORS RUN IN CONDUIT. EVERY CIRCUIT TO HAVE A GROUND, SHARED NEUTRAL IS NOT ALLOWED.</div>					
<div></div>	<div>FOUR (4) CONDUCTORS RUN IN CONDUIT. EVERY CIRCUIT TO HAVE A GROUND, SHARED NEUTRAL IS NOT ALLOWED.</div>					
<div></div>	<div>FIVE (5) CONDUCTORS RUN IN CONDUIT. EVERY CIRCUIT TO HAVE A GROUND, SHARED NEUTRAL IS NOT ALLOWED.</div>					
<div></div>	<div>FOUR (4) CONDUCTORS RUN IN CONDUIT, ONE CONDUCTOR DESIGNATED FOR ISOLATED GROUND</div>					
<div></div>	<div>MOTORIZED DAMPER - PROVIDE BY OTHERS. ELECTRICALLY POWERED BY ELECTRICAL CONTRACTOR WHEN NOTED.</div>					
<div></div>	<div>START - STOP STATION - COORDINATE WITH EQUIPMENT PROVIDER.</div>					
<div></div>	<div>VARIABLE FREQUENCY DRIVE PROVIDED BY MECHANICAL AND INSTALLED BY ELECTRICAL. MAINTAIN CLEARANCES PER NFPA 70</div>					
</						



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SAINT PAUL THE APOSTLE CATHOLIC CHURCH  
NEW CHURCH OFFICE BUILDING  
6828 CHEF MENTEUR HWY.  
NEW ORLEANS, LA 70126

CONSTRUCTION  
DOCUMENTS

project no. 2019008.00  
date 09/15/2023  
designed by TK  
drawn by KR  
checked by TK  
revised

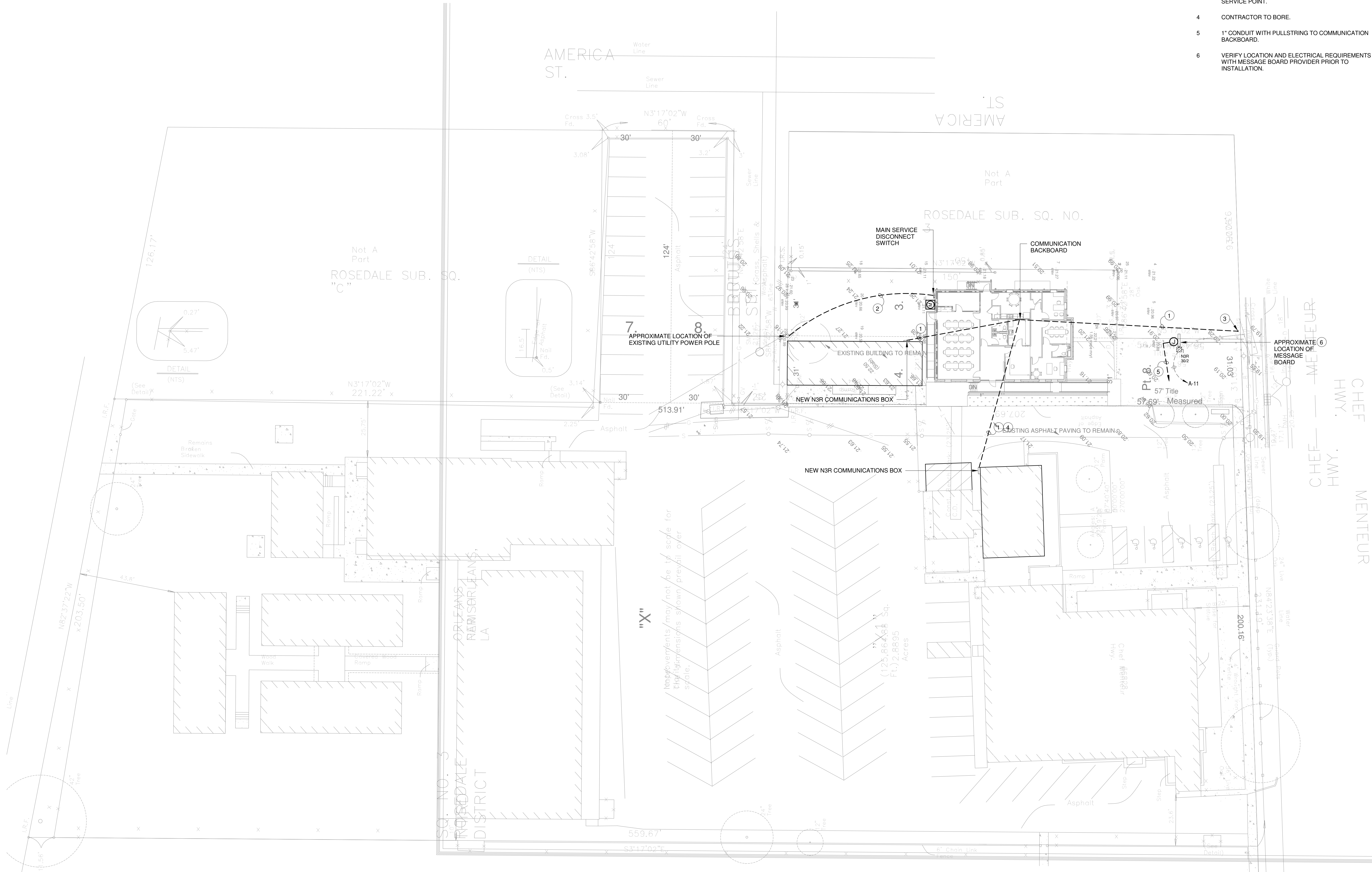
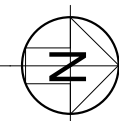


E0.1

1304 BERTRAND DRIVE SUITE F7  
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(337) 234-7474 • FAX (337) 234-7774  
Mechanical Contact: Dustin Duval, P.E.  
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Electrical Contact: Terry Kirsch  
terry@meconsulting.com  
PROJECT No.: 19162.00

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1 ELECTRICAL SITE PLAN  
1" = 20'-0" Refer to Architectural Drawings for All Dimensions



ELECTRICAL NOTES #

- 1 COMMUNICATIONS CONDUIT. SEE RISER.
- 2 SECONDARY CONDUIT. SEE RISER.
- 3 APPROXIMATE LOCATION OF COMMUNICATIONS SERVICE POINT.
- 4 CONTRACTOR TO BORE.
- 5 1" CONDUIT WITH PULLSTRING TO COMMUNICATION BACKBOARD.
- 6 VERIFY LOCATION AND ELECTRICAL REQUIREMENTS WITH MESSAGE BOARD PROVIDER PRIOR TO INSTALLATION.



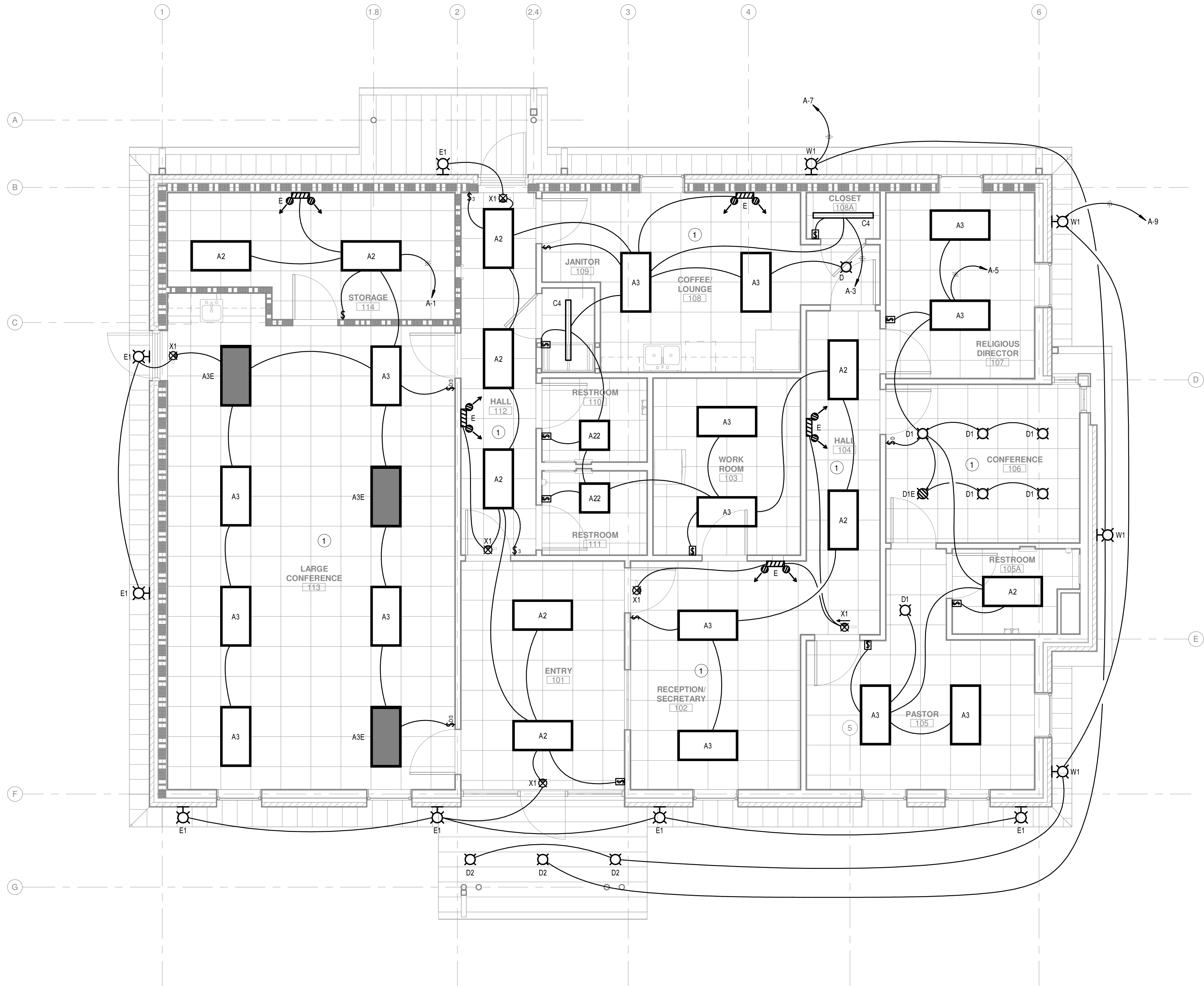
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1 LIGHTING PLAN  
1/4" = 1'-0" Refer to Architectural Drawings for All Dimensions



LIGHTING NOTES #

- 1 THIS SPACE TO BE CONTROLLED BY CEILING MOUNTED OCCUPANCY SENSOR. PLACEMENT, QUANTITY AND TYPE TO BE DETERMINED BY MANUFACTURE. REFER TO ELECTRICAL SPECIFICATION 26 05 23.

TIMECLOCK SCHEDULE

Panel	Circuit Number	Load Name	Scheduling Notes
A	7	Lighting(Exterior)	2,3,4
A	9	Lighting(Exterior)	2,3,4

TIMECLOCK SCHEDULE NOTES

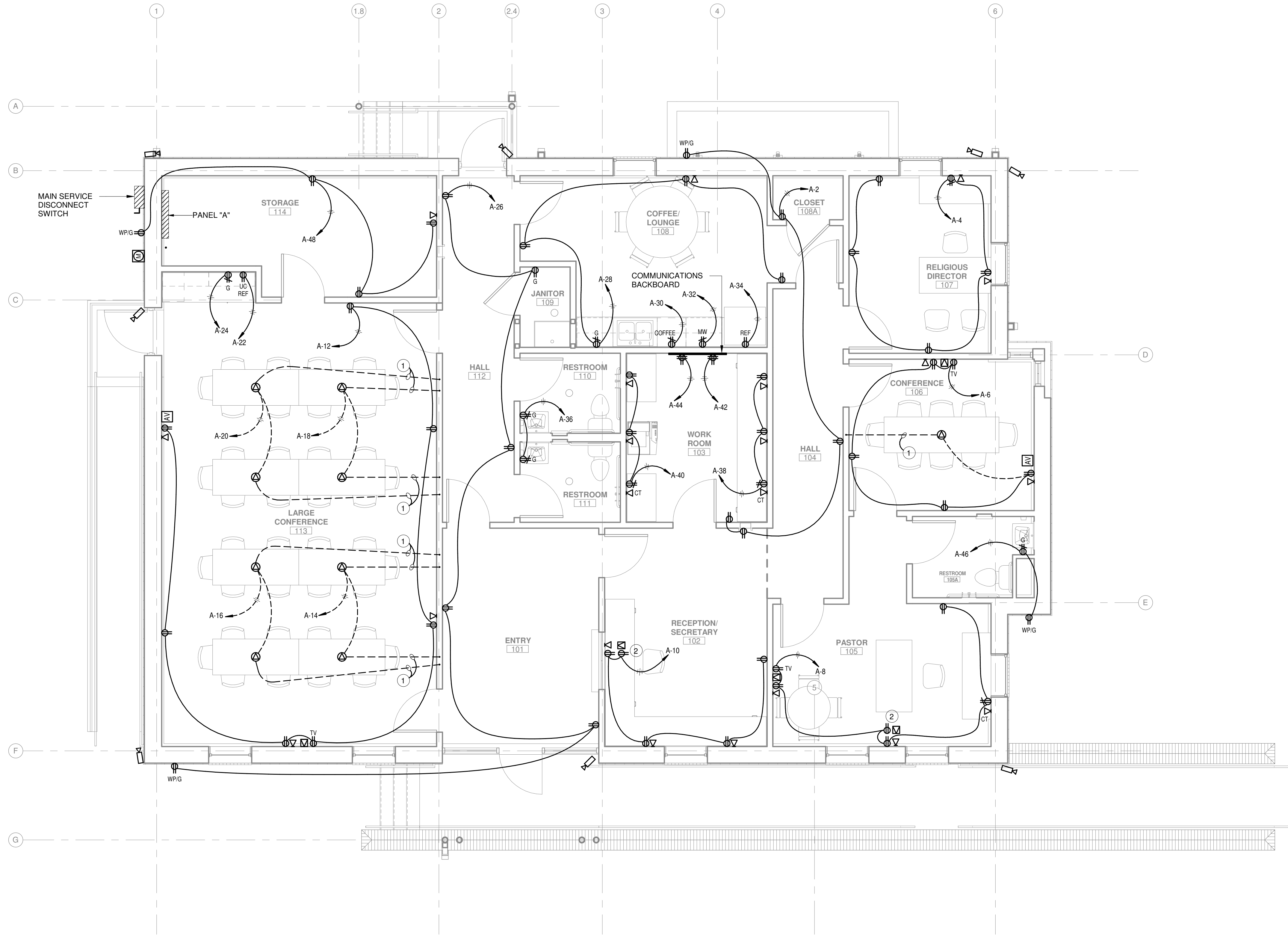
1. ALL EXTERIOR LIGHTING SHALL BE SCHEDULE SUCH THAT IT COMPLIES WITH IECC 2021 SECTIONS C405.2.7.2 AND C405.2.7.3.  
2. TIMECLOCK SHALL COMPLY WITH IECC 2021 SECTION C405.2.7.4.  
3. CIRCUIT SHALL AUTOMATICALLY SHUT OFF FROM NOT LATER THAN 1 HOUR AFTER BUSINESS CLOSING TO NOT EARLIER THAN 1 HOUR BEFORE BUSINESS OPENING.  
4. OWNER HAS THE OPTION TO:  
A. AUTOMATICALLY SHUT OFF CIRCUIT FROM NOT LATER THAN MIDNIGHT TO NOT EARLIER THAN 6 A.M.  
B. AUTOMATICALLY SHUT OFF CIRCUIT FROM NOT LATER THAN 1 HOUR AFTER BUSINESS CLOSING TO NOT EARLIER THAN 1 HOUR BEFORE BUSINESS OPENING.  
5. FIXTURES ON THIS CIRCUIT PROVIDED WITH INTEGRAL CONTROL OPTION.

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1 POWER AND SPECIAL SYSTEMS PLAN  
1/4" = 1'-0" Refer to Architectural Drawings for All Dimensions

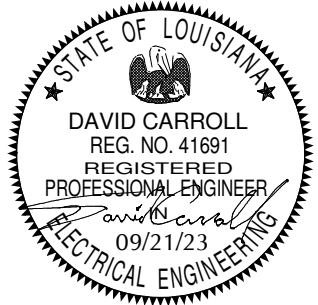


- ELECTRICAL NOTES** #
- 1" CONDUIT WITH PULLSTRING TO NEAREST WALL WITH ACCESSIBLE CEILING.
  - SECURITY MONITOR. VERIFY HEIGHT, LOCATION, AND QUANTITY WITH OWNER/ARCHITECT PRIOR TO INSTALLATION.

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DOCUMENTS

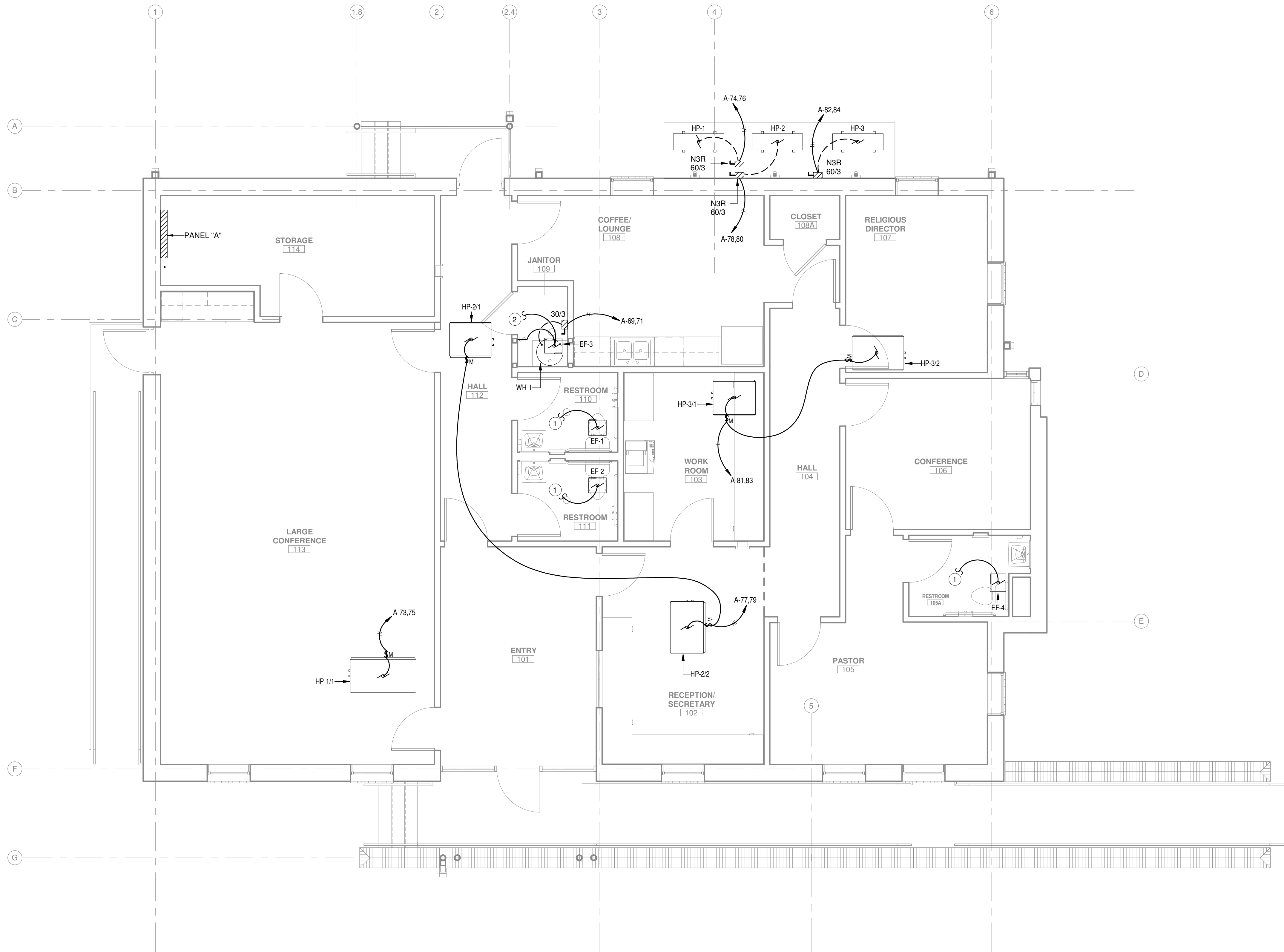
project no. 2019008.00  
date 09/15/2023  
designed by TK  
drawn by KR  
checked by TK  
revised





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1 MECHANICAL POWER PLAN  
1/4" = 1'-0" Refer to Architectural Drawings for All Dimensions



ELECTRICAL NOTES

- 1 CIRCUIT AND SWITCH WITH LIGHTS IN THIS SPACE.
- 2 CIRCUIT WITH LIGHTS IN THIS SPACE. COORDINATE SWITCHING WITH MECHANICAL.



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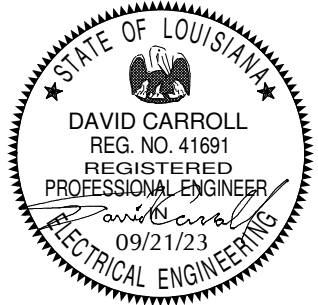
ARCHITECTURE INTERIOR DESIGN  
**MBSB**  
GROUP

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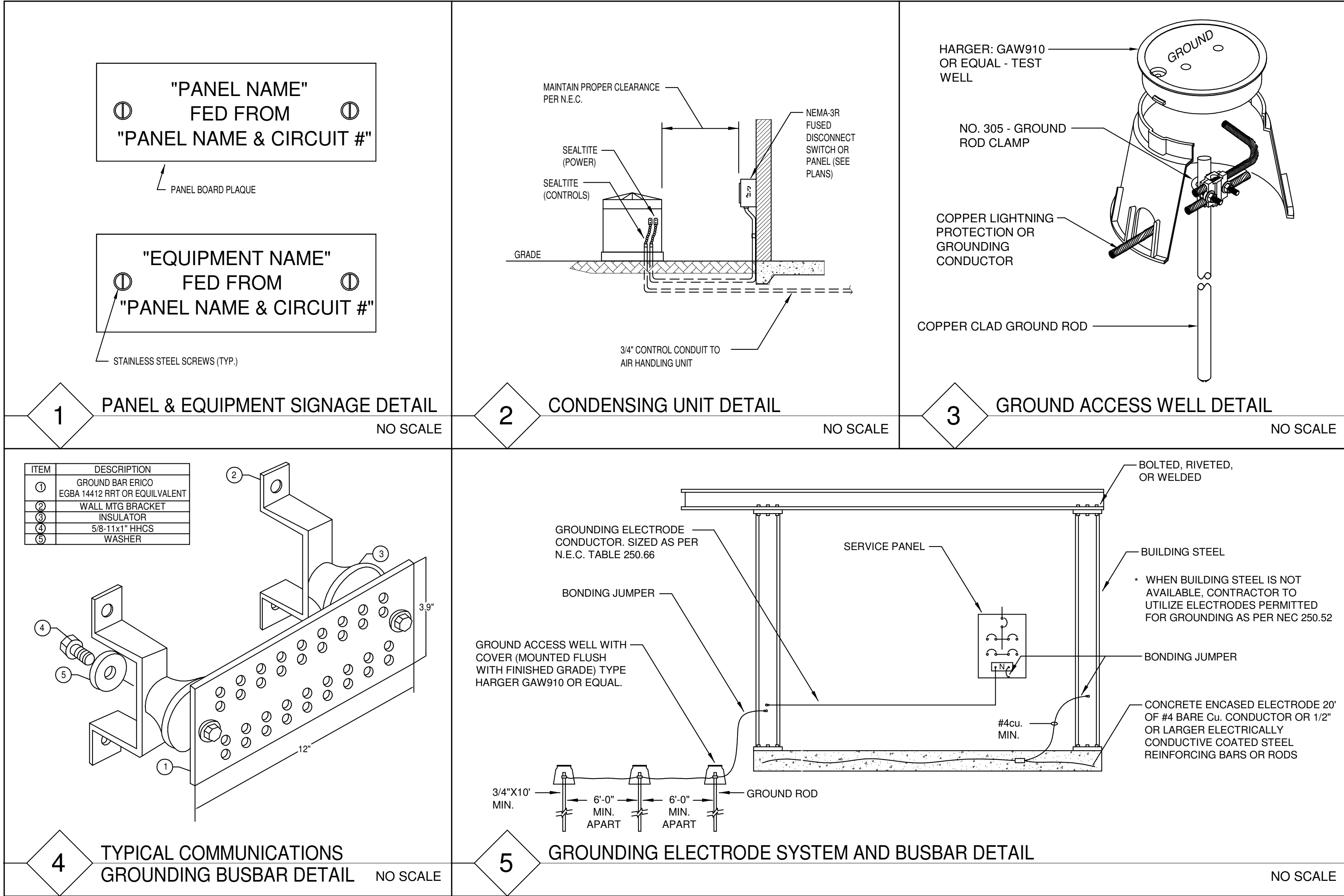
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E4.1

LIGHTING FIXTURE SCHEDULE							
TYPE MARK	DESCRIPTION	WATTS	LAMP TYPE	VOLTS	MANUFACTURER	MODEL	COMMENTS
A2	2X4 LAY-IN VOLUMETRIC TROFFER	39	LED	120	CORELITE	RX-WO-50L835-UNV-24-T1-STD	VERIFY T-BAR INSTALLATION WITH ARCHITECTURAL PRIOR TO SHOP DRAWING PHASE OF PROJECT.
A3	2X4 LAY-IN VOLUMETRIC TROFFER	49	LED	120	CORELITE	RX-WO-65L835-UNV-24-T1-STD	VERIFY T-BAR INSTALLATION WITH ARCHITECTURAL PRIOR TO SHOP DRAWING PHASE OF PROJECT.
A3E	2X4 LAY-IN VOLUMETRIC TROFFER W/ BATTERY PACK	49	LED	120	CORELITE	RX-WO-65L835-UNV-24-T1-STD-EL7W	VERIFY T-BAR INSTALLATION WITH ARCHITECTURAL PRIOR TO SHOP DRAWING PHASE OF PROJECT.
A22	2X2 LAY-IN VOLUMETRIC TROFFER	27	LED	120	CORELITE	R2X-WO- 3- L35-UNV-22-T1-STD	VERIFY T-BAR INSTALLATION WITH ARCHITECTURAL PRIOR TO SHOP DRAWING PHASE OF PROJECT.
C4	4' LED STRIP LIGHT	50	LED	120	METALUX	4SNLED-LD5-34SL-LW-UNV-L835-CD1-U	
D	6" ROUND RECESSED DOWNLIGHT	14	LED	120	HALO COMMERCIAL	HC615D010 - HM612835 - 61MDH	
D1	6" ROUND RECESSED DOWNLIGH	14	LED	120	HALO COMMERCIAL	HC615D010 - HM612835 - 61MDH	
D1E	6" ROUND RECESSED DOWNLIGHT WITH EMERGENCY BATTERY PACK	14	LED	120	HALO COMMERCIAL	HC615D010IEM7 - HM612835 - 61MDHIEM	
D2	6" ROUND EXTERIOR DOWN LIGHT	15	LED	120	HALO COMMERCIAL	HC620D010 - HM612835 - 61MDH	
E	EMERGENCY WALL PACK	4	LED	120	SURE-LITES	LED-95-WH-G2	
E1	EXTERIOR WALL LIGHT WITH BATTERY PACK AND PHOTOCCELL	12	LED	120	EXTRONIX	TRL-ACEM-XX	FINISH BY ARCHTIECT.
W1	EXTERIOR WALL LIGHT	50	LED	120	MCGRAW-EDISON	1ST-SA1B-740-U-T3-XX	FINISH BY ARCHITECT.
X1	SINGLE FACE EXIT LIGHT	5	LED	120	SURE-LITES	CX71WHSD	UNIVERSAL MOUNT.







**Verify proper working clearances per N.E.C. prior to installation**

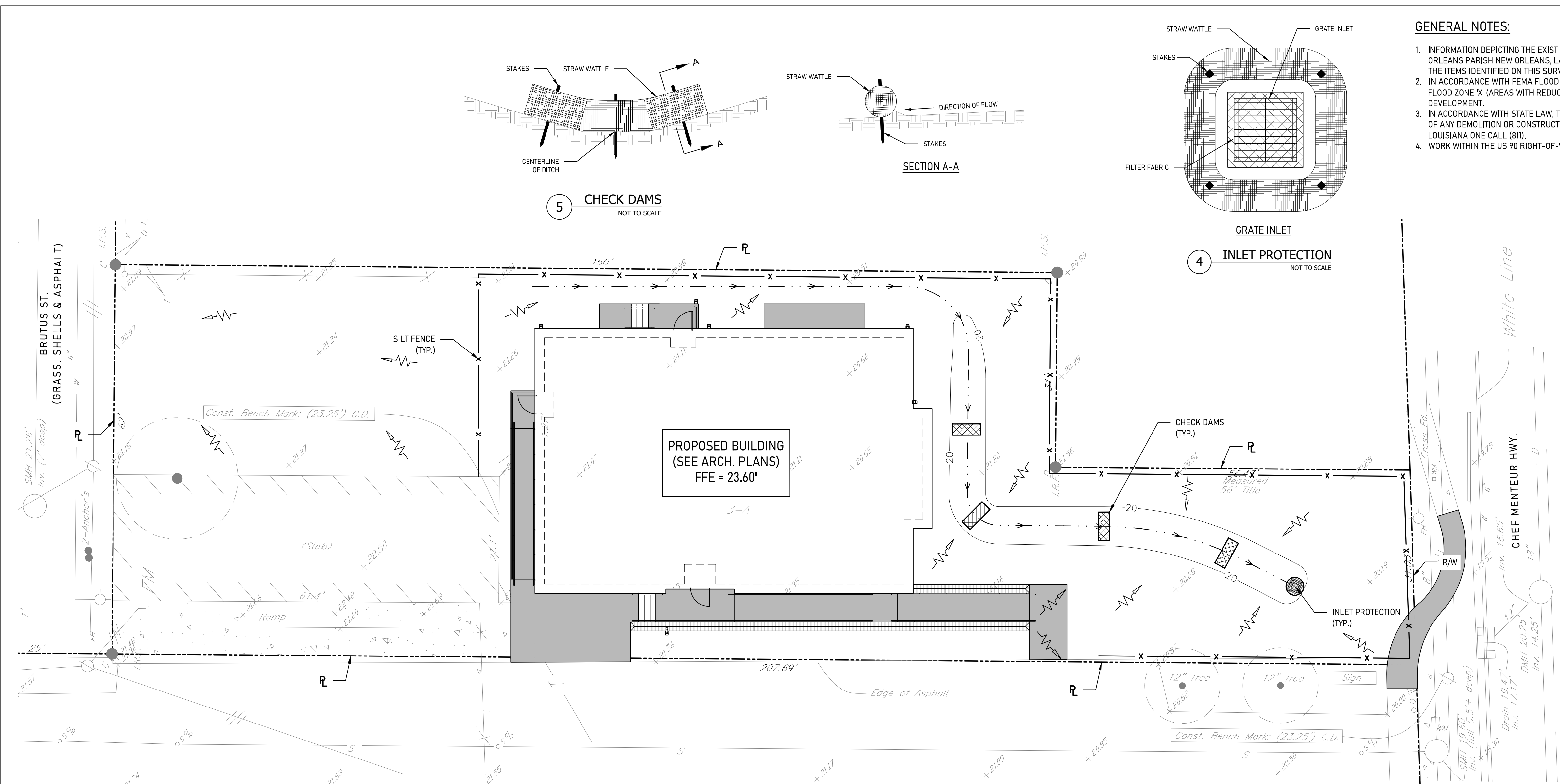
**Panel Schedule Notes: (Notes below do not necessarily appear in panel schedule)**

1. VERIFY BREAKER SIZE PER EQUIPMENT MANUFACTURER'S RECOMMENDED NAME PLATE RATING PRIOR TO SHOP DRAWINGS PHASE OF PROJECT.
2. CIRCUIT VIA 4 POLE ELECTRICALLY HELD CONTACTOR. CONTROL WITH (2) CIRCUIT INTERMATIC OR EQUAL ASTRONOMICAL TIME CLOCK WITH BATTERY BACKUP. PHOTOCELL "ON" TIME CLOCK "OFF".
3. PROVIDE GFCI PROTECTED CIRCUIT BREAKER.
4. CONDUIT, WIRE, AND BREAKER SIZE PER MANUFACTURER'S REQUIREMENTS.

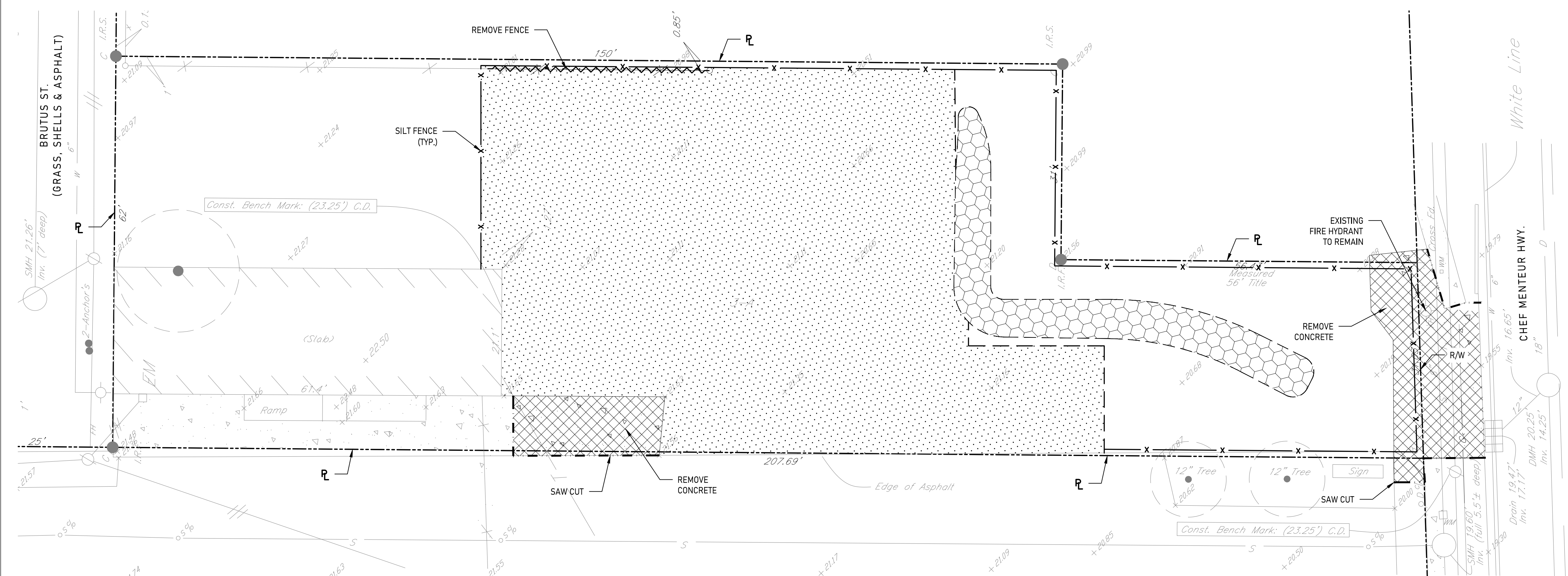
- ① COORDINATE ALL ASPECTS OF SERVICE AND METERING WITH POWER COMPANY. ELECTRICAL CONTRACTOR TO PROVIDE METERING, C.T. CABINETS, UTILITY SERVICE NON FUUSED DISCONNECT AND UNISTRUT RACK(S) IN CONCRETE FOOTINGS AS REQUIRED.
- ② 3" CONDUIT WITH 3#350 PER POWER COMPANY REQUIREMENTS.
- ③ REFER TO PANEL SCHEDULES FOR FEEDER SIZES, INSTALL PROPERLY SIZED NEUTRALS AND GROUNDING CONDUCTORS WITH ALL FEEDERS.
- ④ 2 CU. GROUND IN 3/4" CONDUIT TO (2)3/4"x10" COPPER CLAD GROUND RODS, BUILDING STEEL, AND CONCRETE REINFORCEMENT RODS. (SEE DETAIL)
- ⑤ THE CONTRACTOR SHALL LABEL THE MAIN SERVICE DISCONNECTING MEANS WITH THE MAXIMUM AVAILABLE FAULT CURRENT RATING. IT SHALL BE LISTED ON THE DEVICE TO MEET THE REQUIREMENTS OF NFPA 70:110.24. THE LABELING SHALL BE ENGRAVED PLASTIC. THE MAXIMUM AVAILABLE FAULT CURRENT SHALL BE OBTAINED FROM THE ELECTRICAL UTILITY COMPANY FOR THE SECONDARY SIDE OF THE UTILITY TRANSFORMER.
- ⑥ 3" CONDUIT WITH 3#350, 1#4 GROUND.
- ⑦ LABEL AS "MAIN SERVICE DISCONNECT".
- ⑧ 50KA PER MODE SURGE RATING.







2 PHASE II EROSION CONTROL PLAN  
Scale: 1" = 10'



1 SITE CLEARING & PHASE I EROSION CONTROL PLAN  
Scale: 1" = 10'

GENERAL NOTES:

1. INFORMATION DEPICTING THE EXISTING CONDITIONS HEREON WAS TAKEN FROM A PLAT SHOWING "LOT 3-A, SQ. NO. 3 ROSEDALE THIRD DISTRICT, ORLEANS PARISH NEW ORLEANS, LA" PROVIDED BY GILBERT, KELLY & COUTURIE, INC. FOX-NESBIT ENGINEERING, LLC HAS NOT FIELD-VERIFIED THE ITEMS IDENTIFIED ON THIS SURVEY.
2. IN ACCORDANCE WITH FEMA FLOOD INSURANCE RATE MAP PANEL 22071C0119F, EFFECTIVE ON SEPTEMBER 30, 2016, THIS PROPERTY IS LOCATED IN FLOOD ZONE "X" (AREAS WITH REDUCED FLOOD RISK DUE TO LEVEE). FLOOD ZONE INFORMATION SHALL BE CONFIRMED WITH THE DEPARTMENT OF DEVELOPMENT.
3. IN ACCORDANCE WITH STATE LAW, THE CONTRACTOR SHALL NOTIFY ALL UTILITY COMPANIES A MINIMUM OF 48 HOURS PRIOR TO COMMENCEMENT OF ANY DEMOLITION OR CONSTRUCTION TO HAVE THEIR UTILITIES LOCATED IN THE FIELD. CONTRACTOR SHALL MAKE REQUEST THROUGH LOUISIANA ONE CALL (811).
4. WORK WITHIN THE US 90 RIGHT-OF-WAY SHALL NOT COMMENCE UNTIL AN ACCESS CONNECTION PERMIT THROUGH LADOTD HAS BEEN OBTAINED.

DEMOLITION NOTES:

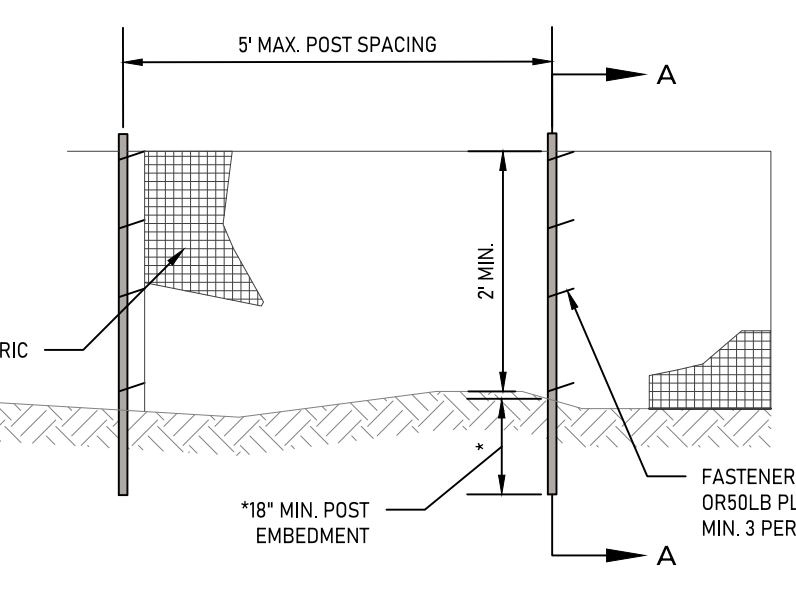
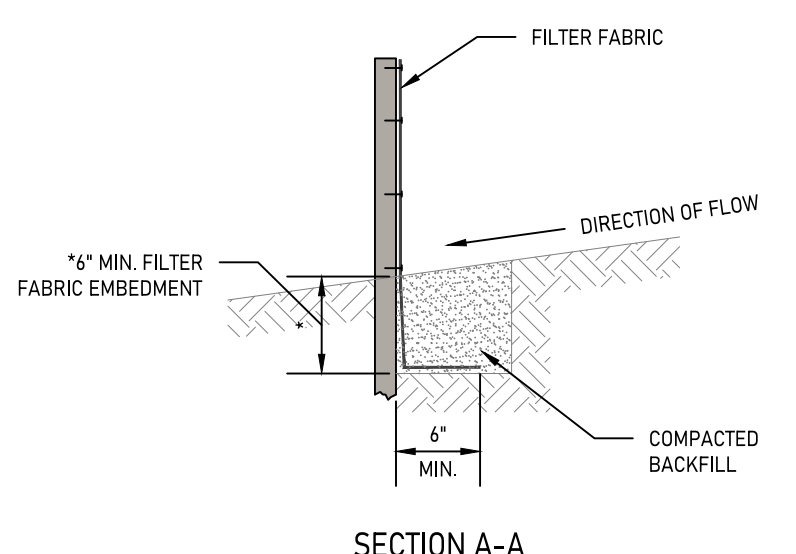
1. THE LIMITS OF STRIPPING SHOWN ARE APPROXIMATE. CONTRACTOR SHALL VERIFY LIMITS BASED ON THE LAYOUT OF THE PROPOSED SITE IMPROVEMENTS.
2. AREAS BENEATH PROPOSED PAVEMENT OR SLABS SHALL BE STRIPPED TO A MINIMUM DEPTH OF 6" OR AS REQUIRED TO ACHIEVE THE PROPOSED SUBGRADE ELEVATIONS IN ORDER TO REMOVE ALL VEGETATION, ORGANIC MATTER, AND DELETERIOUS MATERIALS & TO ACHIEVE STABLE SUBGRADE. ACTUAL DEPTH OF REMOVAL SHALL BE VERIFIED IN FIELD WITH THE GEOTECHNICAL ENGINEER.
3. ALL EXCESS TOPSOIL SHALL BE REMOVED FROM THE PROJECT SITE & DISPOSED OF LAWFULLY.
4. ALL MATERIAL REMOVED FROM PROJECT SITE SHALL BE REMOVED FROM SITE & LAWFULLY DEPOSITED IN A OFF-SITE LOCATION.
5. CONTRACTOR SHALL COMPLY WITH ALL LOCAL, STATE, AND FEDERAL REGULATIONS RELATED TO THE DEMOLITION & REMOVAL OF ALL POTENTIALLY HAZARDOUS MATERIALS.
6. THE CONTRACTOR SHALL PROTECT ALL EXISTING FEATURES DESIGNATED TO REMAIN THROUGHOUT CONSTRUCTION, AND SHALL REPAIR OR REPLACE DAMAGED ITEMS IN KIND AT NO ADDITIONAL COST TO THE OWNER.
7. SEE M.E.P. PLANS FOR ANY DEMOLITION REQUIRED TO INSTALL NEW UTILITIES.

EROSION CONTROL NOTES:

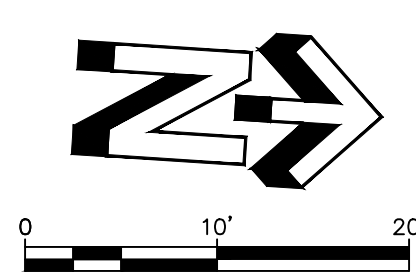
1. CONTRACTOR SHALL COMPLY WITH ALL LOCAL, STATE, AND FEDERAL REGULATIONS RELATED TO THE CONTROL OF EROSION & PROTECTION OF RECEIVING STORMWATER SYSTEMS.
2. CONTRACTOR SHALL BE RESPONSIBLE FOR IMPLEMENTING & MAINTAINING PROVISIONS OF THE STORMWATER POLLUTION PREVENTION PLAN.
3. ALL EROSION AND SEDIMENTATION CONTROL MEASURES SHALL REMAIN IN PLACE UNTIL PERMANENT COVER IS ESTABLISHED.
4. STABILIZED CONSTRUCTION ENTRANCE SHALL BE CONSTRUCTED PRIOR TO THE COMMENCEMENT OF ANY OTHER CONSTRUCTION OR DEMOLITION ACTIVITIES, AND SHALL REMAIN IN-PLACE UNTIL SUCH TIME THAT THE PAVED SURFACE IS CONSTRUCTED.
5. SILT FENCE INSTALLATION SHALL PRECEDE ANY CLEARING, DEMOLITION, OR CONSTRUCTION ACTIVITIES. WITH THE EXCEPTION OF AREAS THAT ARE DESIGNATED TO BE FINISHED WITH PAVEMENT, SOO OR PLANTINGS, ALL DISTURBED AREAS SHALL BE SEEDED WITHIN SEVEN (7) DAYS AFTER THE COMPLETION OF CLEARING ACTIVITIES.
6. ALL EROSION & SEDIMENTATION CONTROL DEVICES SHALL BE INSPECTED WEEKLY (AT A MINIMUM) AND AFTER EACH RAINFALL. DEFICIENT AREAS SHALL BE REPAIRED BY CONTRACTOR IMMEDIATELY.
7. PROVIDE SILT FENCE AROUND SOIL STOCKPILES THAT WILL NOT BE USED WITHIN THREE (3) DAYS FROM PLACEMENT, OR THAT SHED RUNOFF TOWARDS UNPROTECTED DRAINAGE SYSTEMS.

SITE CLEARING & EROSION CONTROL LEGEND

PAVEMENT TO BE REMOVED	
AREA OF STRIPPING	
AREA OF BIOSWALE EXCAVATION	
SAW CUT PAVEMENT	
ITEM TO BE REMOVED	
SILT FENCE (3/C1.0)	
INLET PROTECTION (4/C1.0)	
CHECK DAMS (5/C1.0)	
EXISTING ELEVATION	
RIGHT OF WAY	
PROPERTY LINE	



3 SILT FENCE  
NOT TO SCALE



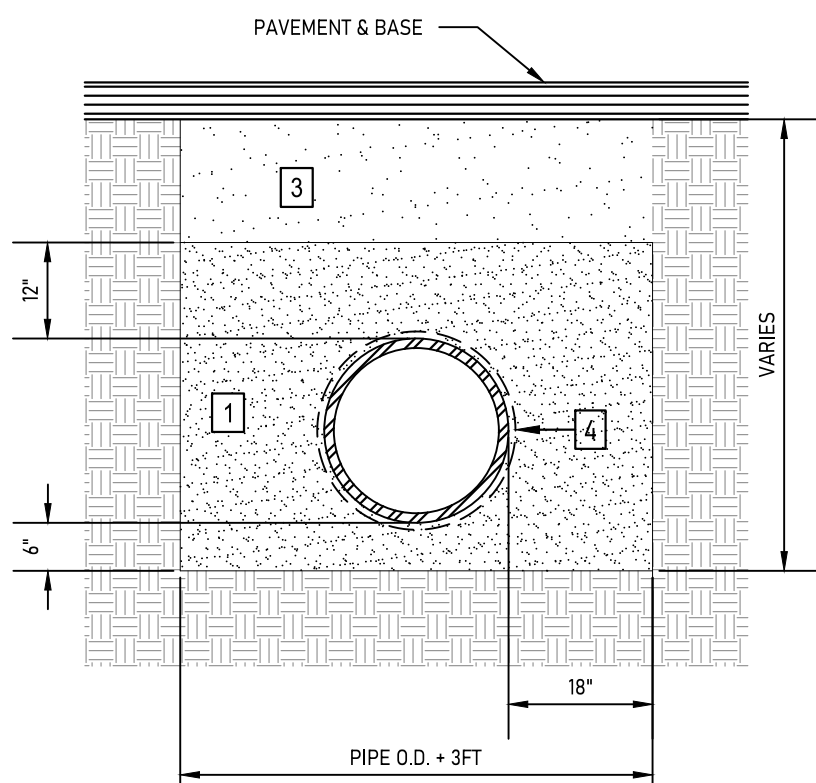
**FOX-NESBIT**

BATON ROUGE  
NEW ORLEANS

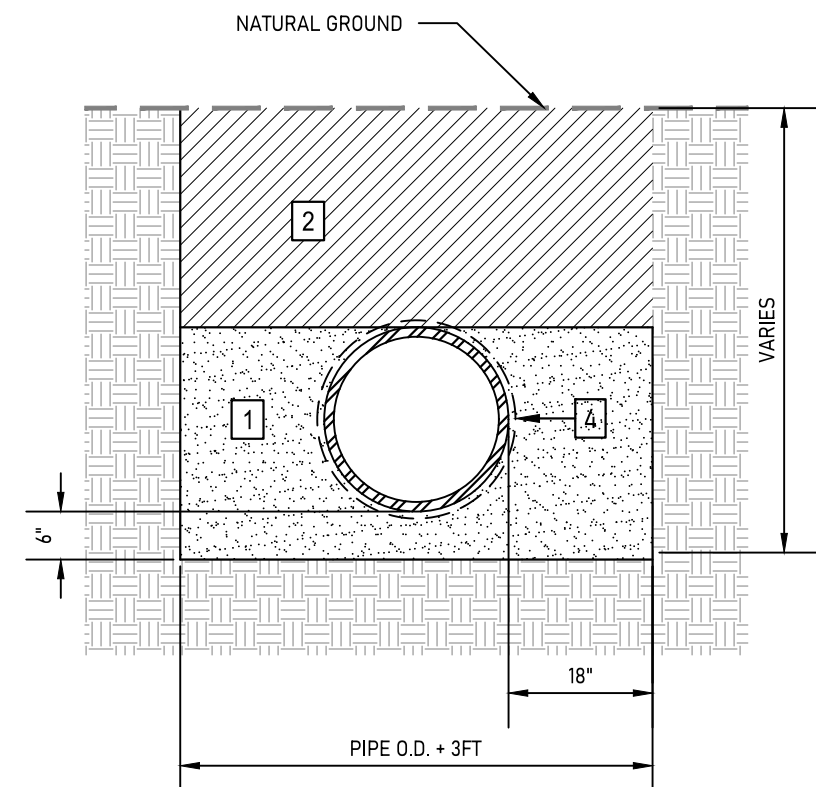
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2022 20164 C3D21





PLASTIC PIPE UNDER PAVEMENT

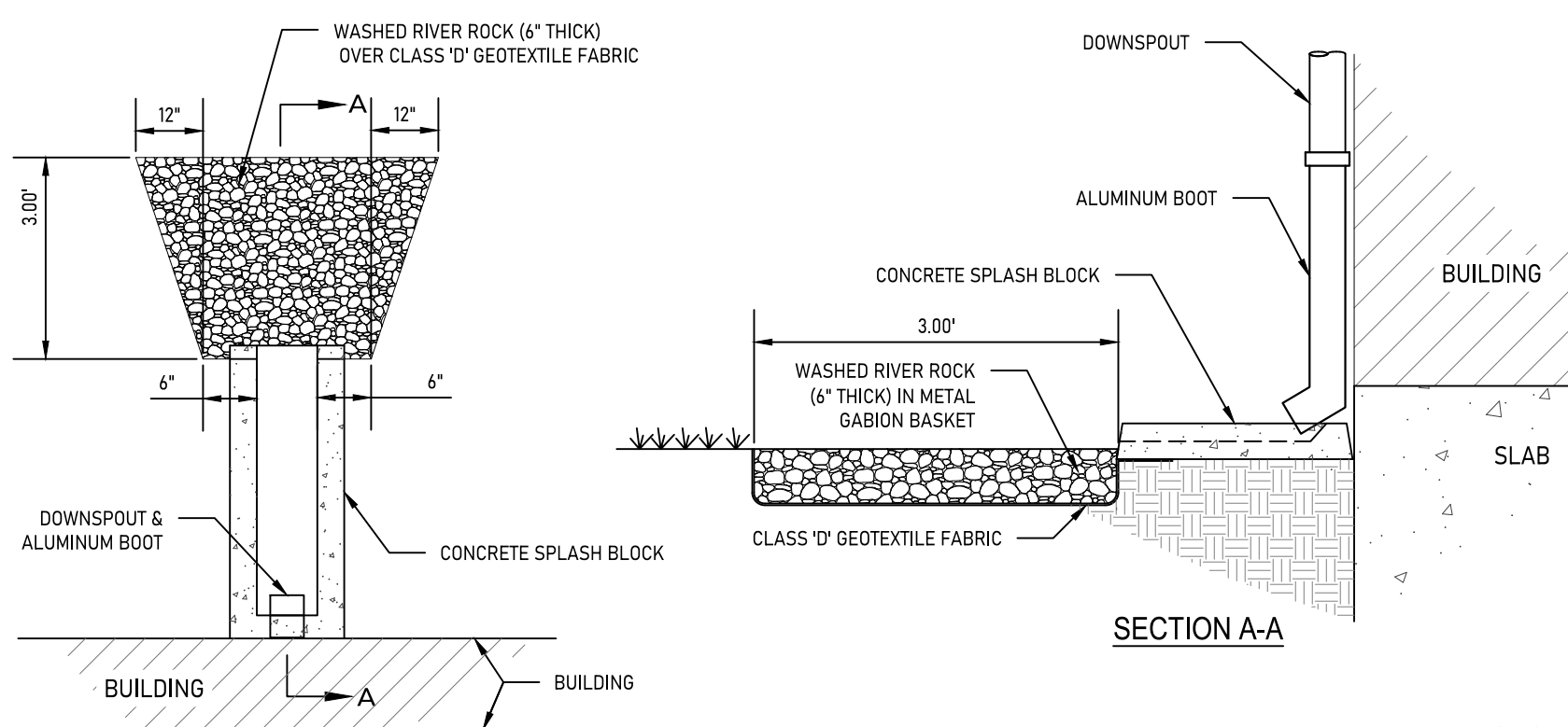


PLASTIC PIPE UNDER GRASS

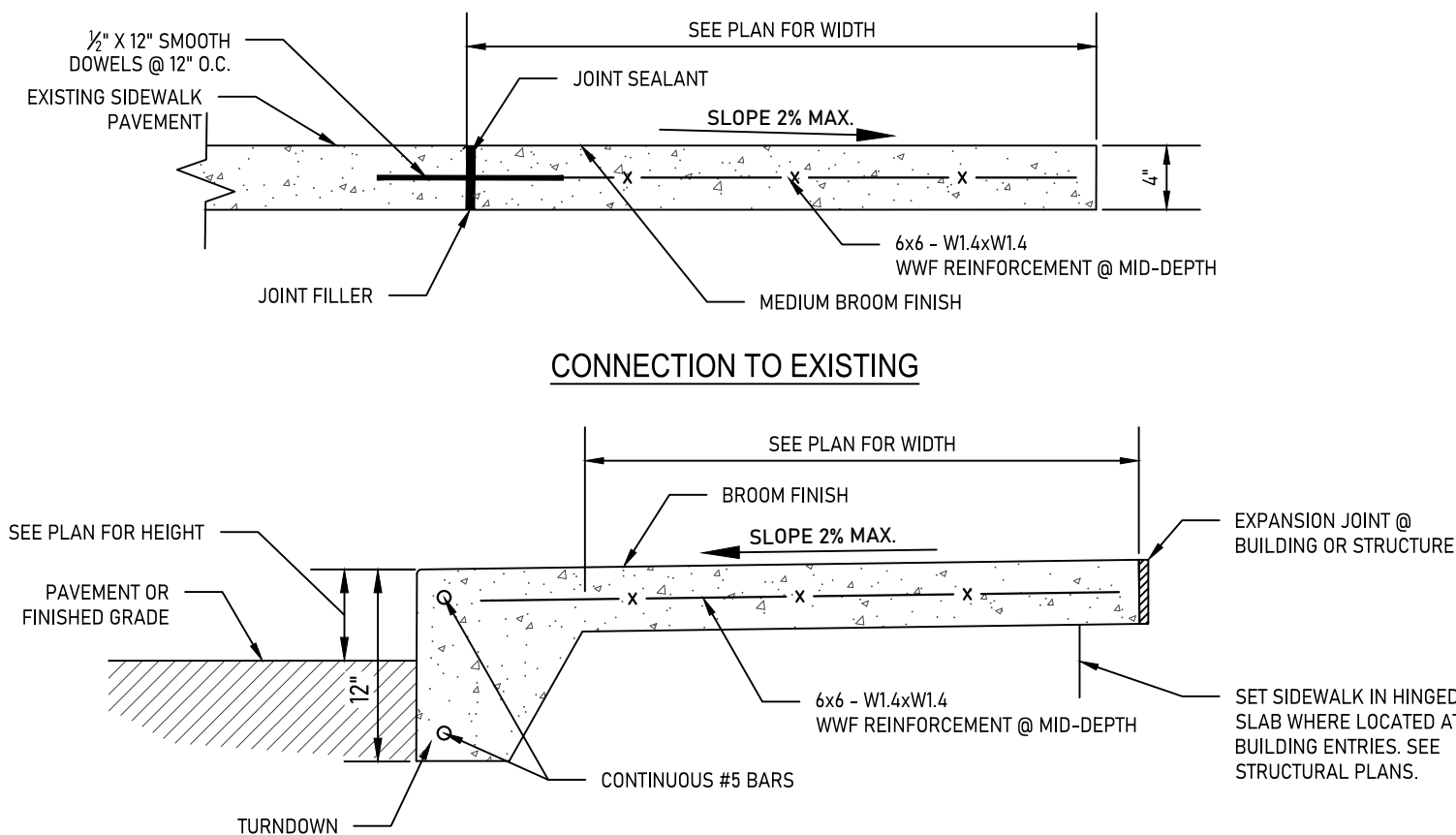
**DRAINAGE BEDDING LEGEND**

- 1 BEDDING MATERIAL COMPACTED TO 95% OF STANDARD PROCTOR DENSITY
- 2 BACKFILL MATERIAL COMPACTED TO MATCH OR EXCEED DENSITY OF SURROUNDING UNDISTURBED SOIL
- 3 BACKFILL SAND COMPACTED TO 95% OF STANDARD PROCTOR DENSITY
- 4 GEOTEXTILE FABRIC AT ALL PIPE JOINTS (24" MIN.)

**4 DRAINAGE PIPE BEDDING DETAILS**  
NOT TO SCALE



**3 DOWNSPOUT DISCHARGE INTO GRASS/NATURAL GROUND**  
NOT TO SCALE

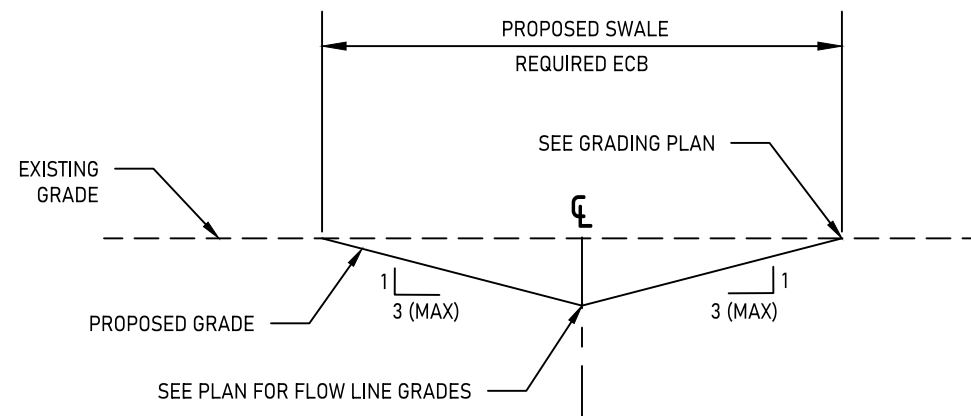


**CONCRETE SIDEWALK NOTES**

1. TOOLED JOINTS REQUIRED AT INTERVALS EQUAL TO WIDTH OF SIDEWALK.
2. 2" EXPANSION JOINTS REQUIRED AT 100' MAX. AND AT JUNCTIONS WITH CURBS, DRIVES, OR OTHER WALKS.
3. SIDEWALK CROSS-SLOPES SHALL NOT EXCEED 2% (1:50).
4. SIDEWALK LONGITUDINAL SLOPES SHALL NOT EXCEED 5% (1:20).

**5 CONCRETE SIDEWALK**  
NOT TO SCALE

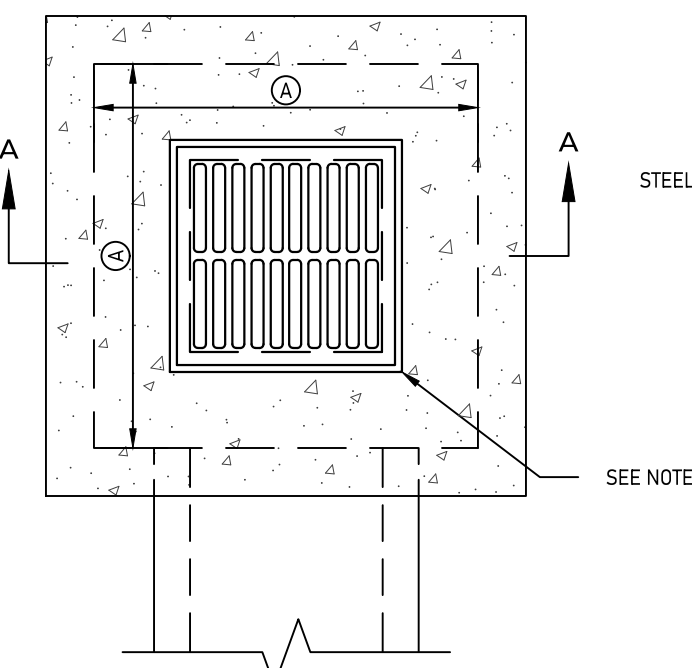
KEYED NOTES	
1	NEW CONCRETE SIDEWALK (5/C2.0)
2	NEW CONCRETE RAMP (SEE ARCH./STRUCTURAL)
3	NEW CONCRETE STEPS (SEE ARCH./STRUCTURAL)
4	EXISTING CONCRETE PAVEMENT
5	EXISTING ASPHALT PAVEMENT
6	NEW CONCRETE A/C PAD (SEE M.E.P./STRUCTURAL)
7	GAS VALVE AND RELOCATED LINE (UTILITY NOTE 2).



**6 TYPICAL SWALE SECTION**  
NOT TO SCALE

**PRECAST DRAINAGE STRUCTURE NOTES**

1. DRAINAGE STRUCTURE LIDS SHALL CONSIST OF THE FOLLOWING:
  11. DROP INLETS: SLOTTED OPENINGS WITH AT LEAST 50% OPEN AREA.
  12. MANHOLES: ROUND, SOLID, WITH "DRAIN" OR SIMILAR LETTERING.
2. STEEL REINFORCING SHALL CONSIST OF THE FOLLOWING:
  21. WALLS: #5 BARS @ 12" O.C. (VERTICAL).
  22. TOP & BOTTOM: #5 BARS @ 12" O.C. EACH WAY.
3. ALL REINFORCING STEEL SHALL BE DEFORMED GRADE 60 (MINIMUM) REBAR.
4. CONCRETE COMPRESSIVE STRENGTH SHALL BE 4000PSI @ 28 DAYS (MINIMUM).
5. PIPE OPENINGS SHALL BE O.D. OF PIPE + 4" MIN.
6. ALL PIPE ENDS SHALL BE SET FLUSH WITH INTERIOR WALL FACE. PIPE ANNULAR SPACE IS TO BE GROUTED WITH NON-SHRINK GROUT AFTER INSTALLATION. GROUT INTERIOR BOTTOM OF STRUCTURE TO MATCH PIPE INVERTS.



**7 PRECAST DRAINAGE STRUCTURE**  
NOT TO SCALE

IMPROVEMENTS LEGEND	
KEYED NOTE	#
NEW CONCRETE SIDEWALK (4")	■
EXISTING CONCRETE PAVEMENT	△
EXISTING ASPHALT PAVEMENT	□
MATCH EXISTING GRADE	× 23.25 (E.G.)
PROPOSED FINISHED GRADE	× 23.25
EXISTING ELEVATION	× 22.50
PRECAST MANHOLE	□
STORM DRAINAGE PIPE	—
PROPOSED SWALE CENTERLINE	—
DIRECTION OF OVERLAND FLOW	→
DRAINAGE STRUCTURE CALLOUT	#
DOWNSPOUT CONNECTIONS (3/C2.0)	D.S.

**GENERAL NOTES:**

1. INFORMATION DEPICTING THE EXISTING CONDITIONS HEREON WAS TAKEN FROM A PLAT SHOWING "LOT 3-A, SQ. NO. 3 ROSEDALE THIRD DISTRICT, ORLEANS PARISH NEW ORLEANS, LA" PROVIDED BY GILBERT, KELLY & COUTURIE, INC. FOX-NESBIT ENGINEERING, LLC HAS NOT FIELD-VERIFIED THE ITEMS IDENTIFIED ON THIS SURVEY.
2. IN ACCORDANCE WITH FEMA FLOOD INSURANCE RATE MAP PANEL 22071C0119F, EFFECTIVE ON SEPTEMBER 30, 2016, THIS PROPERTY IS LOCATED IN FLOOD ZONE "X" (AREAS WITH REDUCED FLOOD RISK DUE TO LEVEE), FLOOD ZONE INFORMATION SHALL BE CONFIRMED WITH THE DEPARTMENT OF DEVELOPMENT.
3. IN ACCORDANCE WITH STATE LAW, THE CONTRACTOR SHALL NOTIFY ALL UTILITY COMPANIES A MINIMUM OF 48 HOURS PRIOR TO COMMENCEMENT OF ANY DEMOLITION OR CONSTRUCTION TO HAVE THEIR UTILITIES LOCATED IN THE FIELD. CONTRACTOR SHALL MAKE REQUEST THROUGH LOUISIANA ONE CALL (811).
4. WORK WITHIN THE US 90 RIGHT-OF-WAY SHALL NOT COMMENCE UNTIL AN ACCESS CONNECTION PERMIT THROUGH LADOTD HAS BEEN OBTAINED.

**GRADING NOTES:**

1. UNLESS OTHERWISE SPECIFIED, FINISHED GRADE AT PERIMETER OF PROPOSED PAVEMENT SHALL SLOPE TO EXISTING GRADE AT A MAXIMUM SLOPE OF 4H:1V.
2. ALL EXISTING ELEVATIONS ANNOTATED WITH "(E.G)" SHALL BE VERIFIED PRIOR TO THE INSTALLATION OF THE ASSOCIATED PROPOSED FEATURE. CONTRACTOR SHALL NOTIFY ENGINEER OF RECORD IMMEDIATELY IF ANY DISCREPANCIES EXIST.
3. EROSION CONTROL BLANKET SHALL BE PROVIDED ON ALL FINISHED GREENSPACE SLOPES EXCEEDING 5% (20H:1V).
4. GRADES SHOWN ON THIS PLAN REPRESENT THE FINISHED GRADE OF THE ASSOCIATED FEATURE. CONTRACTOR SHALL COORDINATE WITH LANDSCAPE INSTALLERS TO ENSURE THAT FINAL ELEVATIONS OF MULCH, BEDS, SOD, OR OTHER PLANTINGS DO NOT EXCEED PROPOSED FINISHED GRADES.
5. CONTRACTOR SHALL MAINTAIN POSITIVE DRAINAGE AWAY FROM EXISTING AND PROPOSED BUILDINGS AT ALL TIMES.

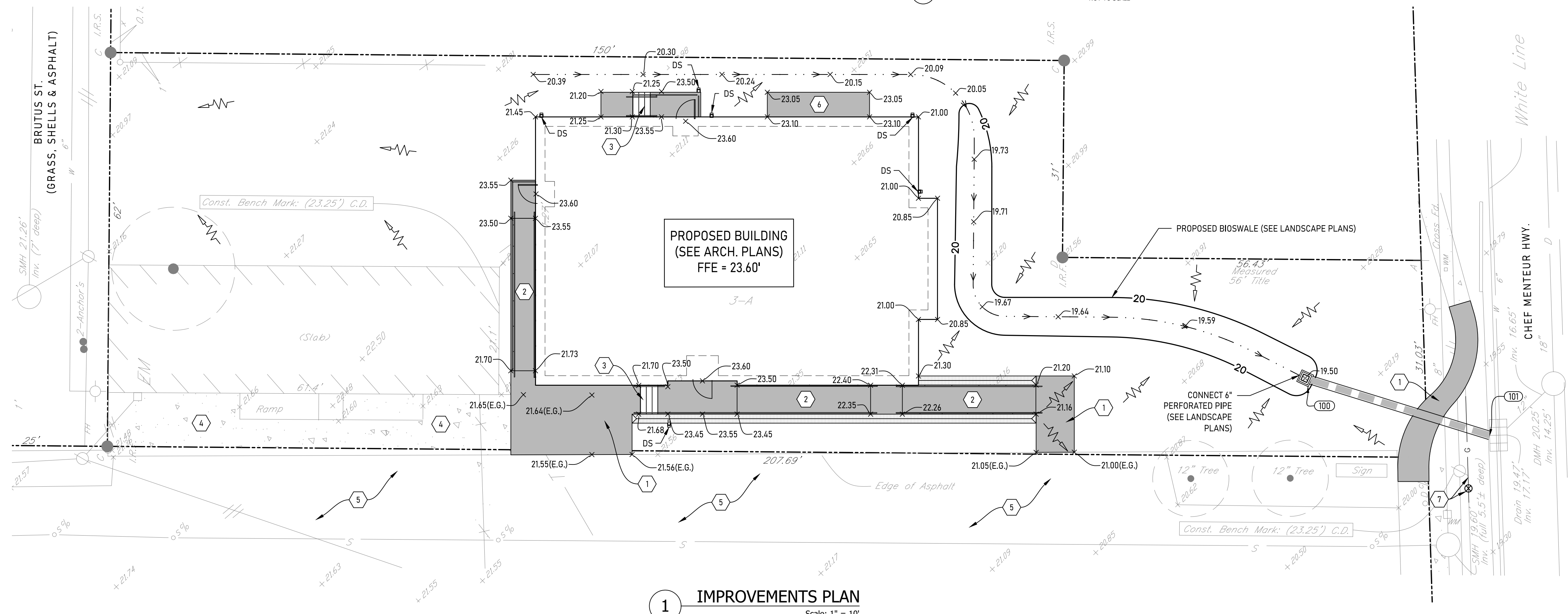
**STORM DRAINAGE NOTES:**

1. CONTRACTOR SHALL MAINTAIN POSITIVE DRAINAGE AWAY FROM PROPOSED BUILDINGS AT ALL TIMES.
2. ALL DRAINAGE PIPES, STRUCTURES, AND FITTINGS SHALL BE PROVIDED IN ACCORDANCE WITH SPECIFICATION SECTION 33 42 00.
3. PROPOSED DRAINAGE SYSTEMS SHALL BE CONSTRUCTED BEGINNING AT THE OUTFALL POINT AND PROCEEDING UPSTREAM.
4. CONTRACTOR SHALL VERIFY THE EXACT LOCATION AND DEPTH OF THE EXISTING DRAIN LINE PRIOR TO INSTALLATION OF STORM DRAINAGE.

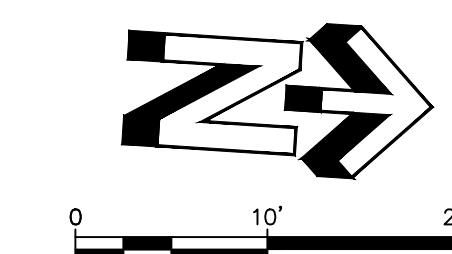
**UTILITY NOTES:**

1. UNDERGROUND UTILITY LOCATIONS SHOWN ARE ESTIMATED BASED ON RECORD INFORMATION. CONTRACTOR SHALL FIELD-VERIFY ACTUAL LOCATION PRIOR TO CONSTRUCTION AND EXERCISE CAUTION DURING ALL WORK.
2. CONTRACTOR SHALL FIGURE IN BID TO RELOCATE GAS LINE ALONG CHEF MENTEUR HWY (ASSUMING IT IS IN CONFLICT WITH PIPE 100-101) AND PROVIDE ONE ISOLATION VALVE IN RELOCATED SEGMENT. CONTRACTOR TO COORDINATE WITH GAS COMPANY AND DOTO PRIOR TO INSTALLATION AND INCLUDE ALL COSTS (FEES, PERMITS, INSTALLATION, ETC.) IN BID. IF RELOCATION IS FOUND TO BE UNNECESSARY, CREDIT ALL COSTS TO OWNER.

DRAINAGE STRUCTURE TABLE				
STRUCTURE	TYPE	RIM ELEV.	INV. IN	INV. OUT
100	2X2 DI	20.00		17.20 (101)
101	EXST. D.I.	18.34	17.17 (100)	



**1 IMPROVEMENTS PLAN**  
Scale: 1" = 10'



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225-293-6595  
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C 2022 20164 C3D21

SAINT PAUL THE APOSTLE CATHOLIC CHURCH  
NEW CHURCH OFFICE BUILDING

DESIGN  
DEVELOPMENT

project no. 2019008.00  
date 10/06/2023  
designed by SH  
drawn by CB  
checked by SH  
revised



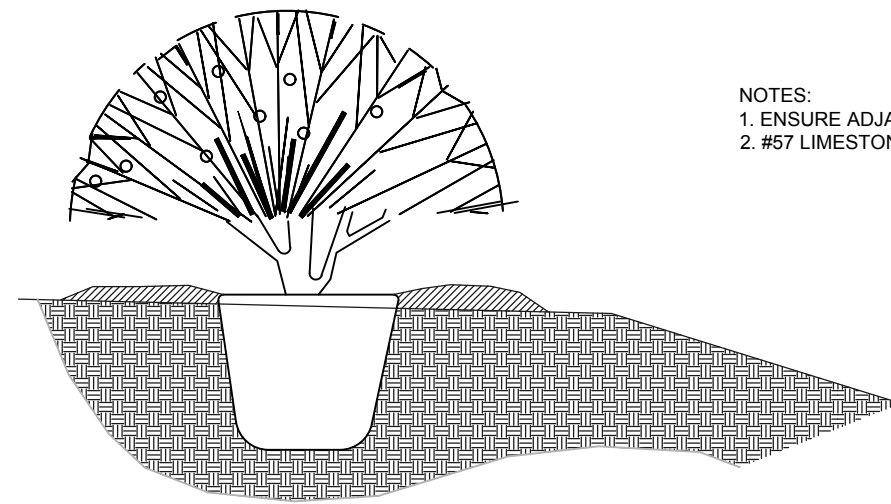
10/06/2023  
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C2.0

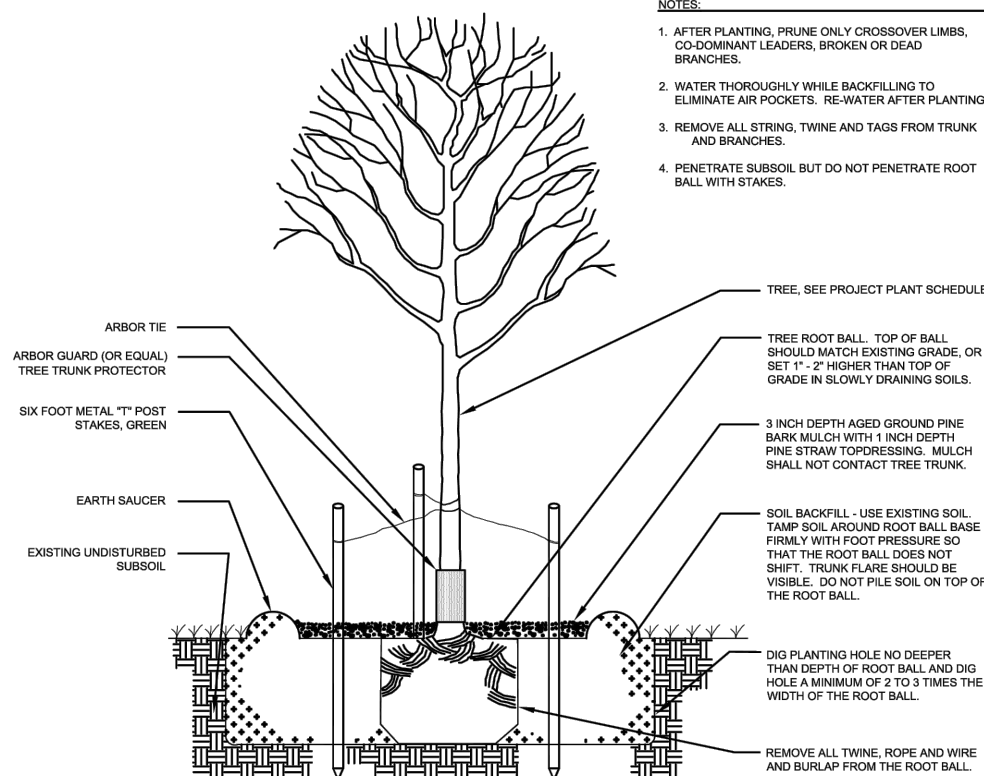
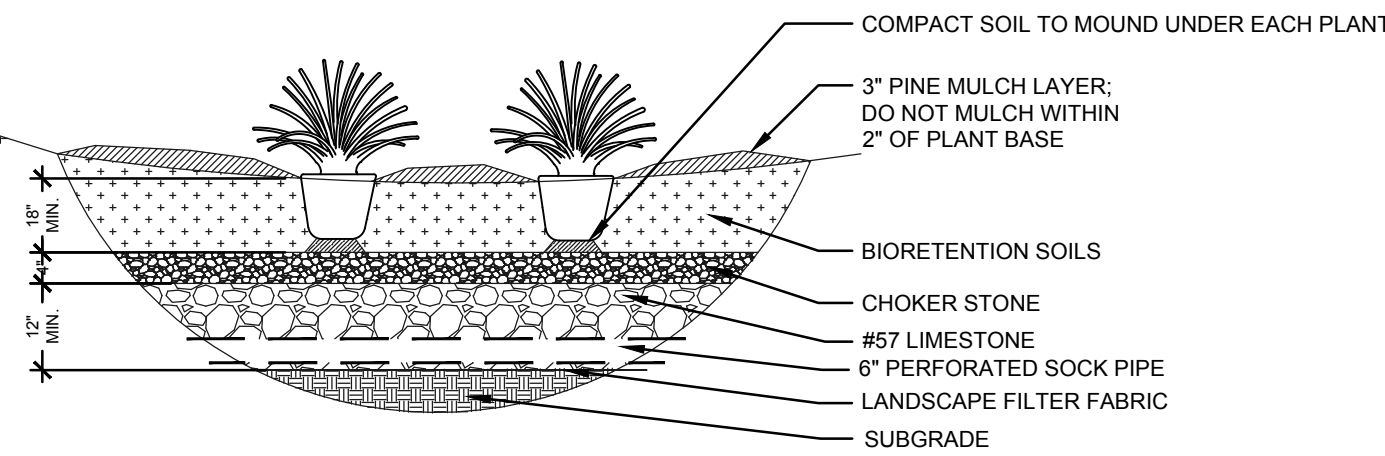
101 LA RUE FRANCE, SUITE 205  
LAFAYETTE, LOUISIANA 70508  
(337)237-2770 FAX (337)237-2772

ARCHITECTURE INTERIOR DESIGN  
**MBSB**  
GROUP



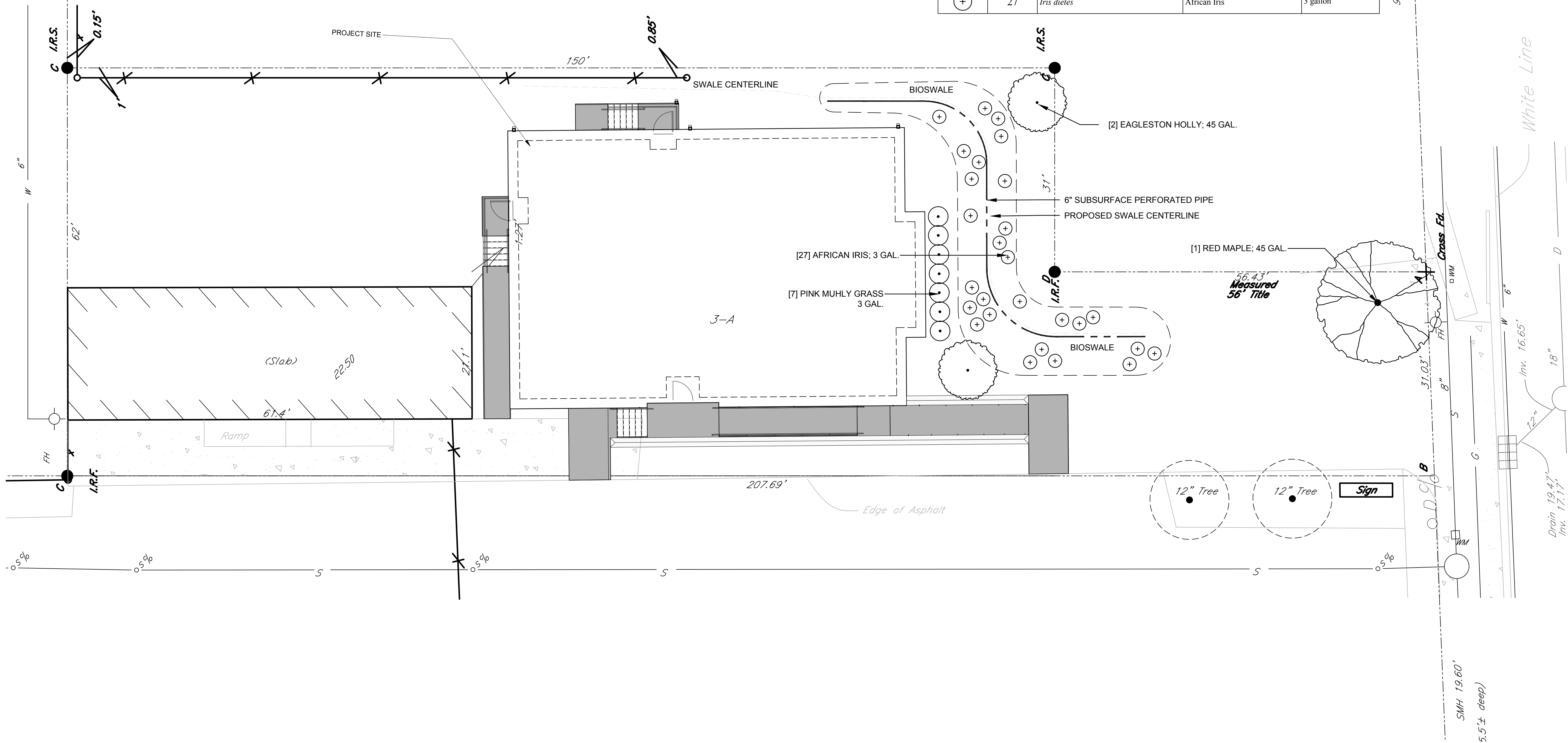


- NOTES:
1. ENSURE ADJACENT SURFACES FLOW INTO PLANTING AREA.
  2. #57 LESTONE LAYER DEPTH TO VARY BASED ON BIOSWALE VOLUME REQUIREMENTS



TREE PLANTING DETAIL  
N.T.S.

PLANT SCHEDULE				
	Qty.	Scientific Name	Common Name	size
•	7	<i>Muhlenbergia capillaris</i>	Pink Muhly Grass	3 gallon
•	2	<i>Ilex x attenuata 'Eagleston'</i>	Eagleston Holly	45 gallon
•	1	<i>Acer rubrum</i>	Swamp Red Maple	45 gallon
+	27	<i>Iris dietes</i>	African Iris	3 gallon



# 1 LANDSCAPE PLAN

PLAN

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

ST. PAUL THE APOSTLE  
CATHOLIC CHURCH  
6828 Chef Menteur Hwy. New Orleans, LA

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DESIGN + BUILD  
645 Brown Ave.  
Harvey, LA 70058

DATE	DETAILS
xxx	Revision 1
xxx	Revision 2

DATE: 6.12.22	DRAWN: BP
SCALE: 1/8"=1'	
NORTH	
LANDSCAPE PLAN	
<b>L1.01</b>	
1 OF 1	



## Bria A Dixon

---

**From:** Lee Degeyter <lee@mbsbgroup.com>  
**Sent:** Thursday, April 10, 2025 1:26 PM  
**To:** Bria A Dixon; CPCINFO  
**Cc:** Haley M. Delery; Stephen K. Kroll  
**Subject:** RE: Design Review Application Rejection Notice [ACTION REQUIRED]  
**Attachments:** revised application.pdf

Bria,  
Thanks for your assistance moving forward.

Project description:

See attached.

Lighting plan:

No lighting is proposed

Signage plan:

No signage is proposed.

The project narrative is:

*St. Paul's church is in need of an office building to serve the parishioners and staff. Our firm has designed a building to be used by the church that will be situated on an adjacent lot and be oriented to the church to allow for easy access of elderly parishioners. The ceiling height requirement for this overlay district was waived along with the requirements for the entrance to face the street as part of the Board of Zoning adjustment meeting and permit #: 23-29982-VAR. The preliminary zoning review for this project did not site any additional issues. This project does not propose additional exterior lighting or signage. The existing adjacent site the church is on has lighting and signage.*

Lee Degeyter Green- Architect AIA, NCARB, ICC CBO

MBSB Group | 101 La Rue France #205 | Lafayette, LA | o 337.237.2770 | c 337.591.1614

[lee@mbsbgroup.com](mailto:lee@mbsbgroup.com)

---

**From:** Bria A Dixon <Bria.Dixon@nola.gov>  
**Sent:** Thursday, April 10, 2025 12:49 PM  
**To:** Lee Degeyter <lee@mbsbgroup.com>  
**Cc:** Haley M. Delery <hdelery@nola.gov>; Stephen K. Kroll <skroll@nola.gov>  
**Subject:** RE: Design Review Application Rejection Notice [ACTION REQUIRED]

Good afternoon Lee,

The site plans provided in the link were previously inaccessible. However, the application is still incomplete. We are **unable to officially accept your application at this time due to the absence of the following required items:**

- ☐ **Application Form:** Please ensure the application form is completely filled out, including the following sections:
  - **Project description**
    - Examples: The addition of one (1) 40 sq. ft. wall sign within an EC Enhancement Corridor Design Overlay District. An amendment to a previously approved conditional use approved under Ordinance # (Zoning Docket 000/20). DAC submission for an art installation. Site





## DEVELOPMENT PLAN AND DESIGN REVIEW APPLICATION

Please submit complete applications via email to [CPCinfo@nola.gov](mailto:CPCinfo@nola.gov). Applicants without the ability to submit via email should contact (504) 658-7300 to make alternative arrangements. Incomplete applications will not be accepted and will be returned to the applicant. Review time depends on the complexity of the project and can take up to 90 days.

Type of application: ☒ Design Review ☐ Interim Zoning Districts Appeal ☐ Moratorium Appeal

Property Location 6820 Chef Menteur Hwy

### APPLICANT INFORMATION

Applicant Identity: ☐ Property Owner ☒ Agent

Applicant Name Lee Green

Applicant Address 101 La Rue France #205

City Lafayette State LA Zip 70508

Applicant Contact Number 337 591 1614 Email lee@mbsbgroup.com

### PROPERTY OWNER INFORMATION

SAME AS ABOVE ☐

Property Owner Name Diocese of New Orleans, Rev. Charles Ndumbi

Property Owner Address 7887<sup>th</sup> Walmsley Ave

City New Orleans State LA Zip 70125

Property Owner Contact Number 504-242-8820 Email cndumbi@arch-no.org

### PROJECT DESCRIPTION

New building for St. Paul's church to house meeting spaces and provide office space for the priest. There is no exterior lighting or signage proposed. The building is 2,575 sf, B occupancy and 11B construction. The building is also ADA compliant.

### REASON FOR REVIEW (REQUIRED FOR DESIGN REVIEW)

#### Design Overlay District Review

- ☐ Character Preservation Corridor
- ☐ Riverfront Design Overlay
- ☐ Enhancement Corridor
- ☐ University Area Design Overlay
- ☒ Corridor Transformation
- ☐ Greenway Corridor
- ☐ Others as required

#### Non-Design Overlay District Review

- ☐ Development over 40,000 sf
- ☐ Public Market
- ☐ CBD FAR Bonus
- ☐ Wireless Antenna/Tower
- ☐ Educational Facility

- ☐ Changes to Approved Plans
- ☐ DAC Review of Public Projects
- ☐ Others as Required

### ADDITIONAL INFORMATION

Current Use N/A Proposed Use Office for Church

Square Number 3 Lot Number 3, 4 + PT. 8 Permeable Open Space (sf) 5512

New Development?	Yes <input checked="" type="radio"/> No <input type="radio"/>	Addition?	Yes <input type="radio"/> No <input checked="" type="radio"/>	Tenant Width	<u>N/A</u>
Existing Structure(s)?	Yes <input type="radio"/> No <input checked="" type="radio"/>	Renovations?	Yes <input type="radio"/> No <input checked="" type="radio"/>	Building Width	<u>42'-1"</u>
Change in Use?	Yes <input type="radio"/> No <input checked="" type="radio"/>	Existing Signs?	Yes <input type="radio"/> No <input checked="" type="radio"/>	Lot Width (sf)	<u>62'</u>
New Sign(s)?	Yes <input type="radio"/> No <input checked="" type="radio"/>	Lot Area (sf)	<u>11,035</u>	Building Area (sf)	<u>2,575 sf</u>



St. Paul the Apostle  
Catholic Church  
MASS AT 4PM SUN 8AM 10AM  
TUE 6PM WED FRI 730AM  
WE ARE PRAYING FOR YOU  
St. Paul the Apostle  
Head Start & Early Head Start Program







**St. Paul the Apostle**  
Catholic Church  
MASS: 8:00 AM, 9:00 AM, 10:30 AM, 5:00 PM, 7:00 PM  
W.E. ARE: P.R. 8:00 AM, 10:00 AM, 12:00 PM, 2:00 PM, 4:00 PM, 6:00 PM, 8:00 PM, 10:00 PM  
St. Paul the Apostle  
Handout & Early Readout Program









**St. Paul the Apostle**  
Catholic Church  
MASS SAT. 4P-530P RAIN 10AM  
TRD 4P WED-FRI 120 AM  
WE ARE PRAYING FOR YOU  
St. Paul the Apostle  
Food Shelf & Early Food Shelf Program