

CADD FILE:	23140 - SDP-R2	DWG#	0414031.XXXX
 <div> ASSOCIATED ENGINEERING, LLC CIVIL ENGINEERING • LAND SURVEYING LAND PLANNING 103 SOUTH CHURCH STREET • P.O. BOX 1462 JONESBORO, AR 72403 PH: 870-932-3594 • FAX: 870-935-1263 </div>			

NO.	DATE	DESCRIPTION
1	03/06/25	ADD #1
2	03/10/25	ADD #2

24-096

JOB. NO.

02.14.2025

DATE

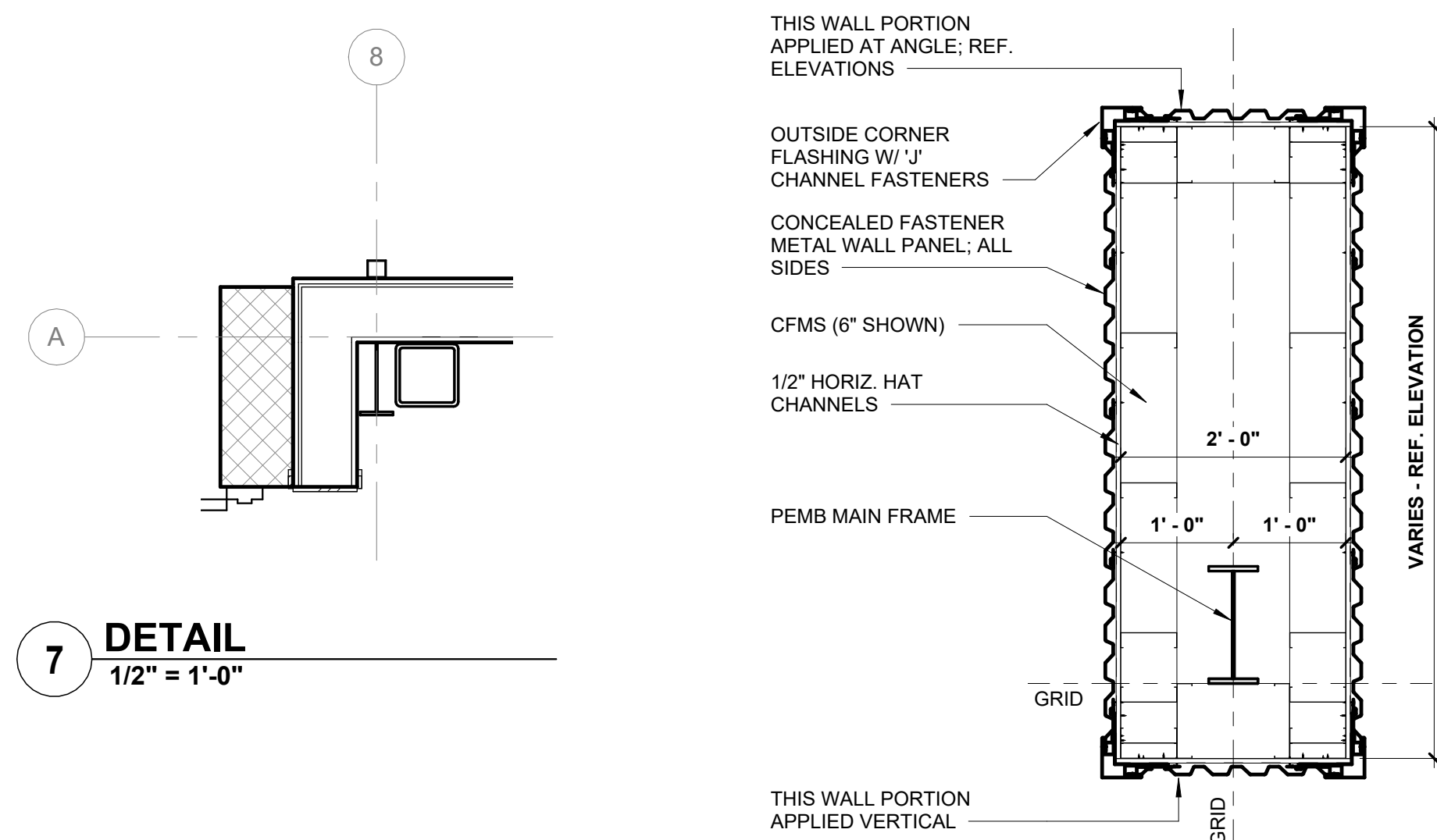
ISSUE

A120

CODED NOTES - FLOOR PLAN	
NO.	NOTE
1	INSTALL MTL. CLOSURE
2	GC TO PROVIDE SLAB BLOCK (PER MANUF. INSTRUCTIONS) OUT FOR INSTALLATION OF IN GROUND LIFT
3	ALIGN FINISHED FACES
4	STRUCTURE FOR KONEKRAANE TO BE INSTALLED BY OTHERS.

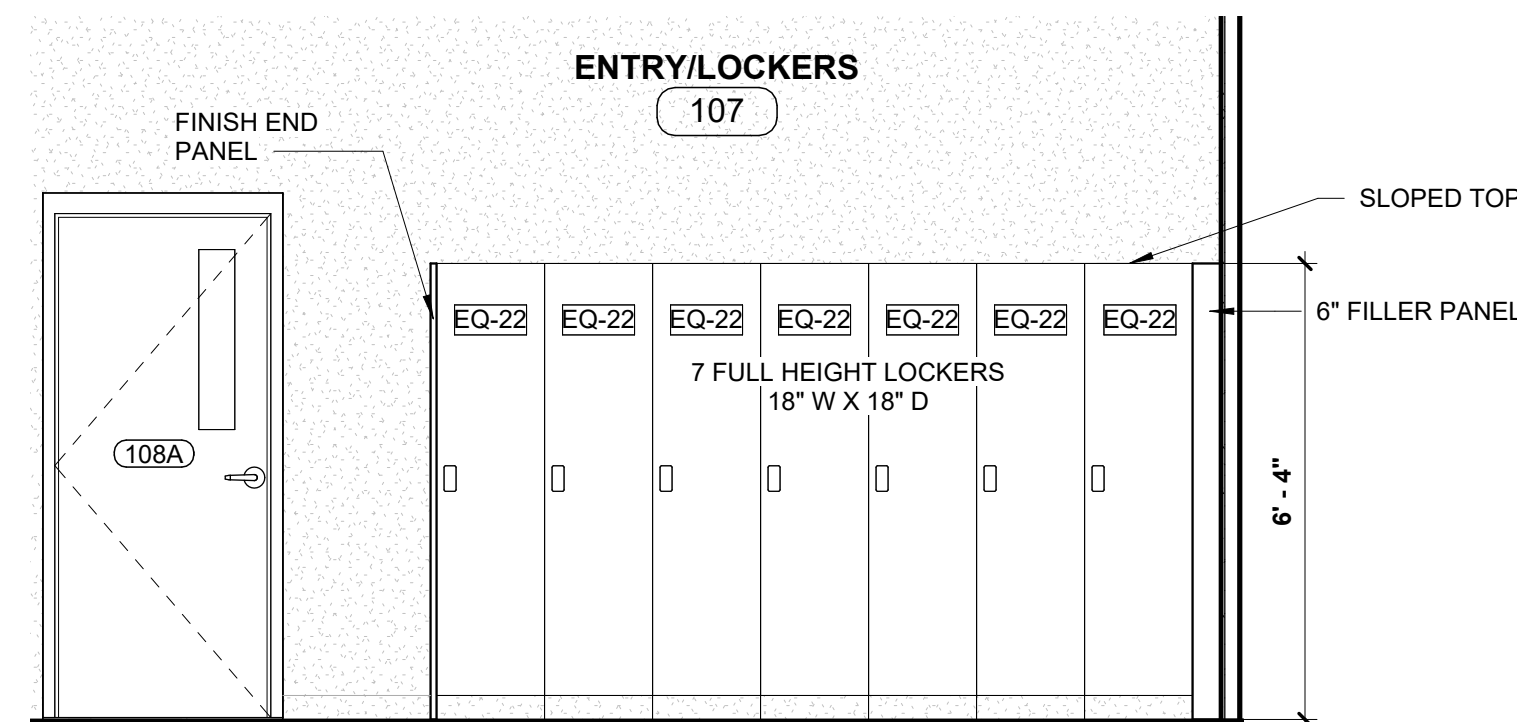
SHEET NOTES	
1.	ALL DRYWALL JOINTS TO BE TAPED.
2.	ALL DRYWALL BELOW FINISHED CEILING TO BE PREPARED FOR PAINTING AS INDICATED ON INTERIOR ELEVATIONS AND FINISH SCHEDULE.
3.	CONTRACTOR TO INSTALL WATER RESISTANT GYP BD & FRP AT MOP SINK LOCATIONS. SEE ENLARGED PLANS FOR DETAILS.
4.	PORTABLE FIRE EXTINGUISHER PER NFPA-10 INSTALLED PER PLANS AND SUBJECT TO LOCAL JURISDICTION APPROVAL.
5.	FOR FURNITURE, FIXTURE, AND EQUIPMENT INFORMATION, REF A511.

KEYNOTE LEGEND	
KEYNOTE	DESCRIPTION
05.07	6" DIA, 42" HIGH, GALVANIZED SURFACE MOUNTED BOLLARD, REF 2 / A120
08.01	SECTIONAL OVERHEAD DOOR
22.01	FLOOR DRAIN, REF PLUMB.
22.03	PIT DRAIN, REF PLUMB AND STRUC.
32.01	6" DIA, 30" HIGH CONCRETE FILLED GALVANIZED STEEL, REF 3 / A101

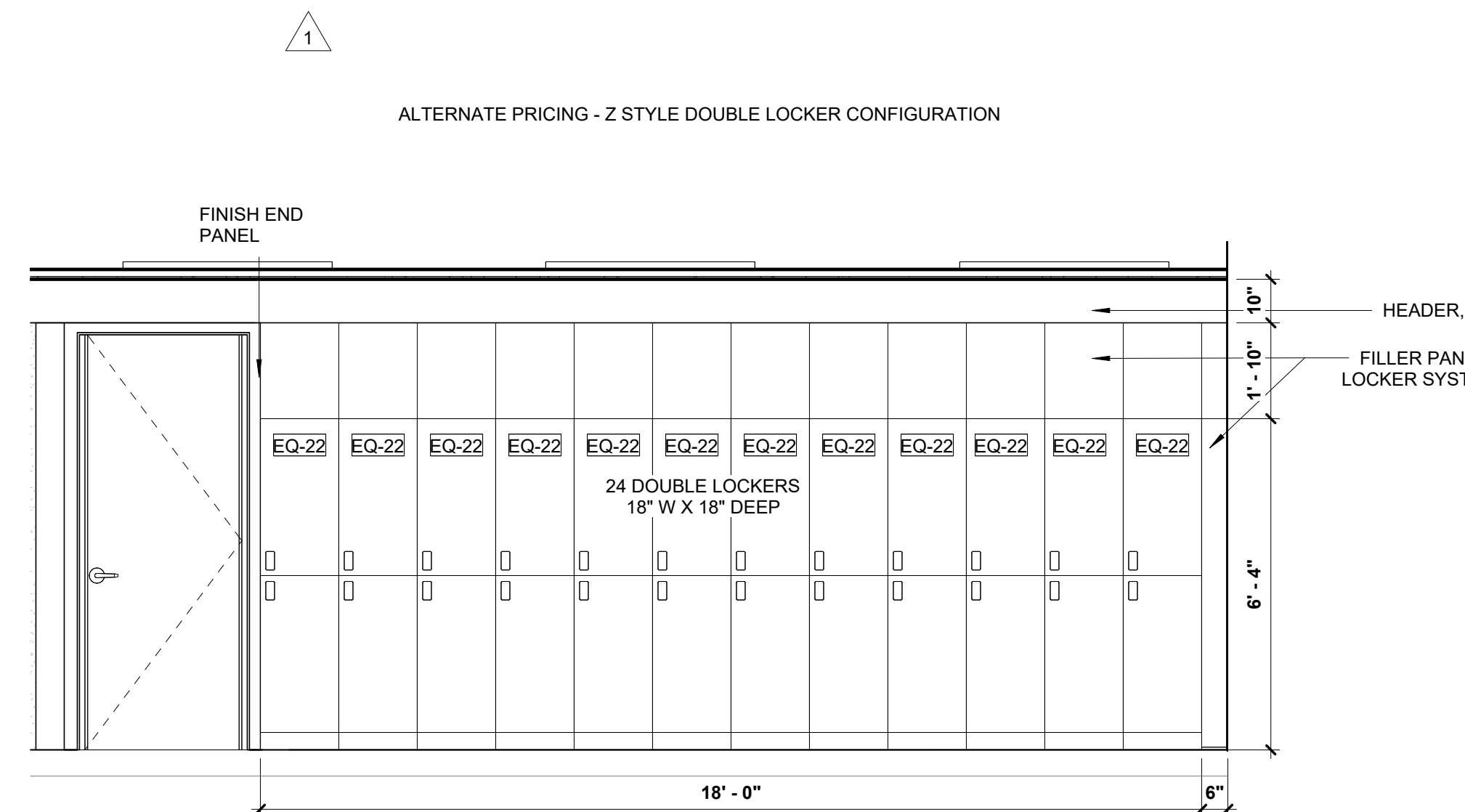


6 NOT USED

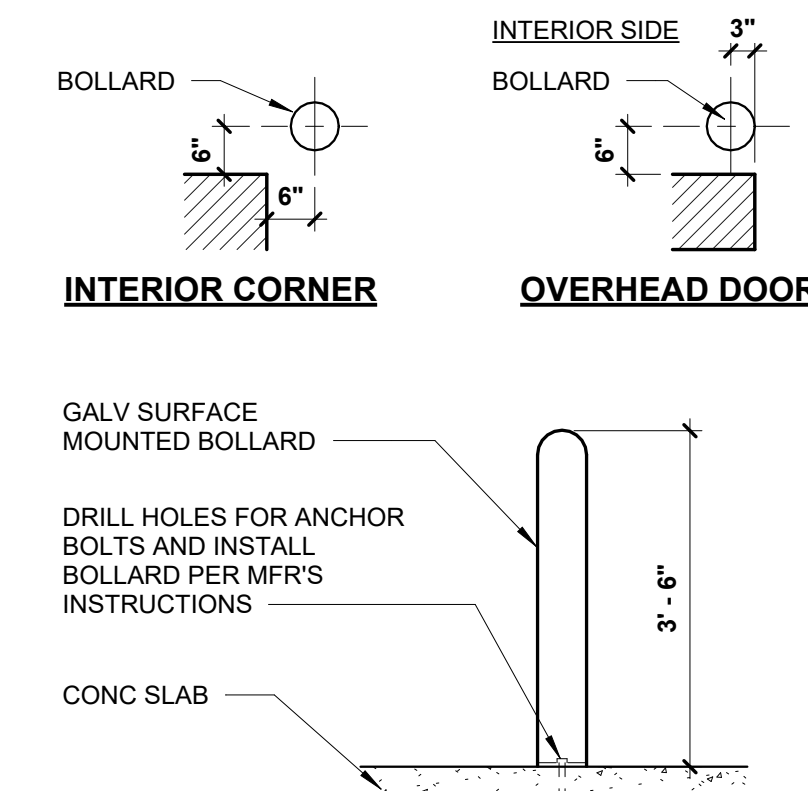
5 COLUMN WRAP
3/4" = 1'-0"



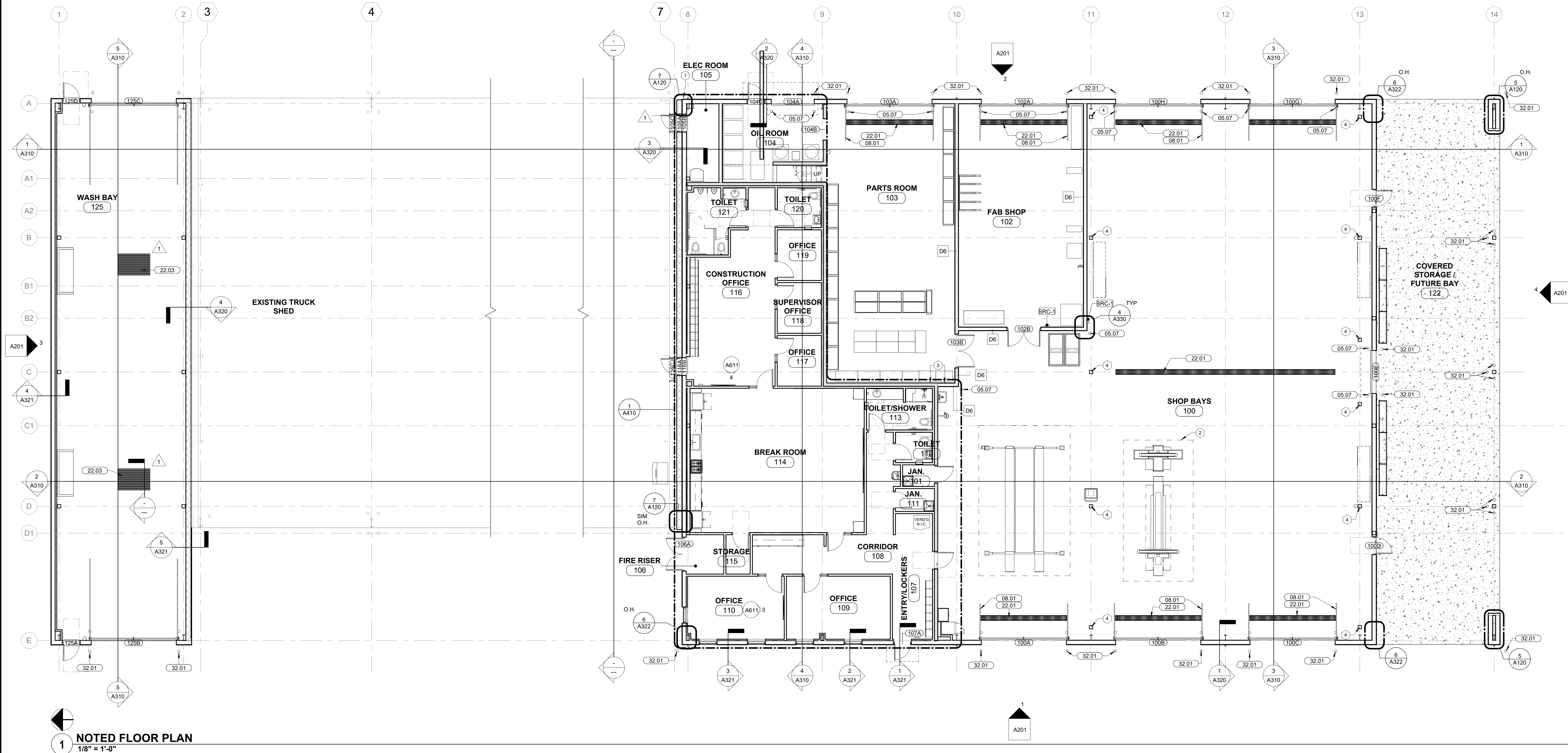
4 LOCKER ELEVATION
3/8" = 1'-0"



3 LOCKER ELEVATION
3/8" = 1'-0"

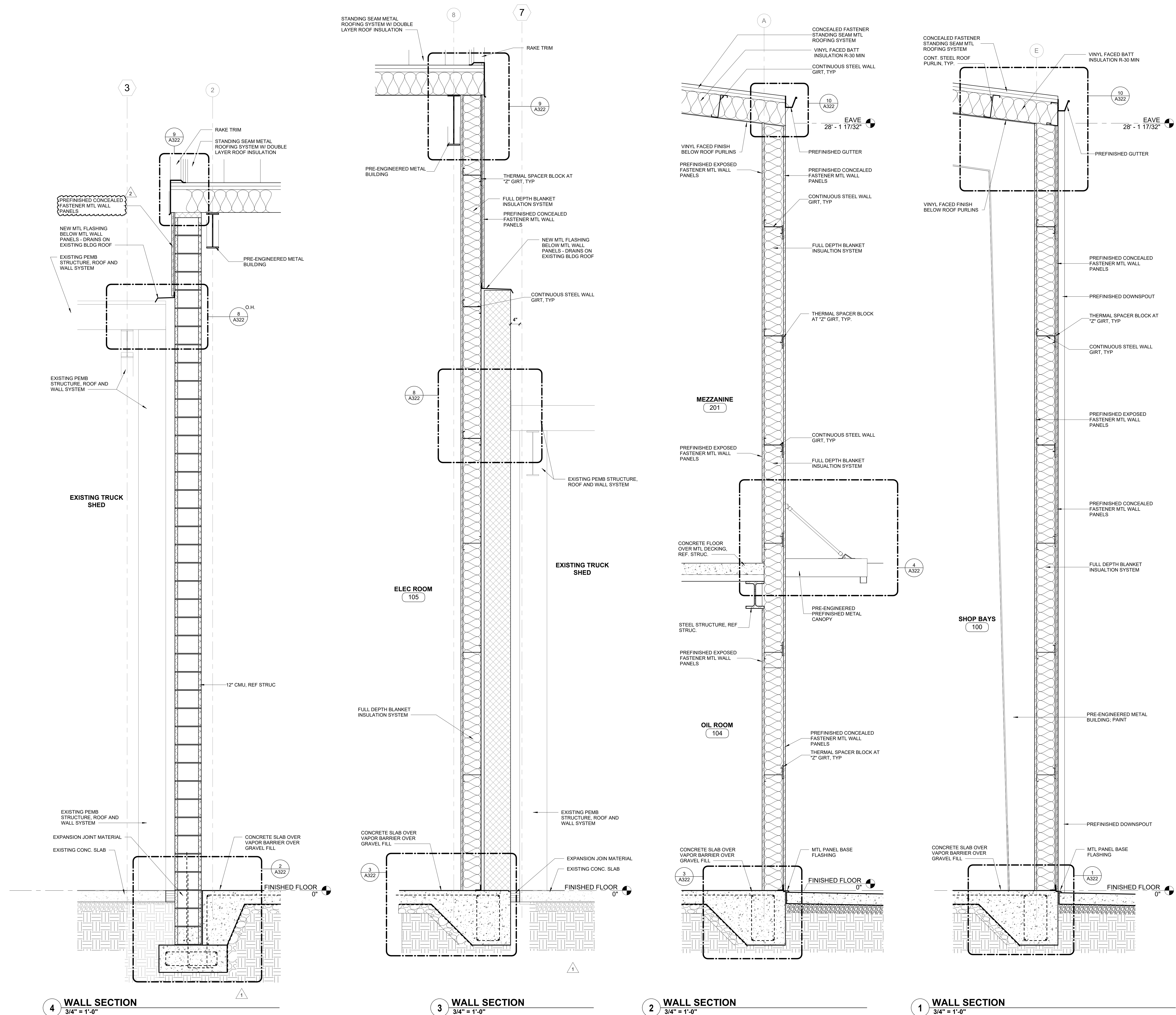


2 SURFACE MUNTED BOLLARD
1/2" = 1'-0"

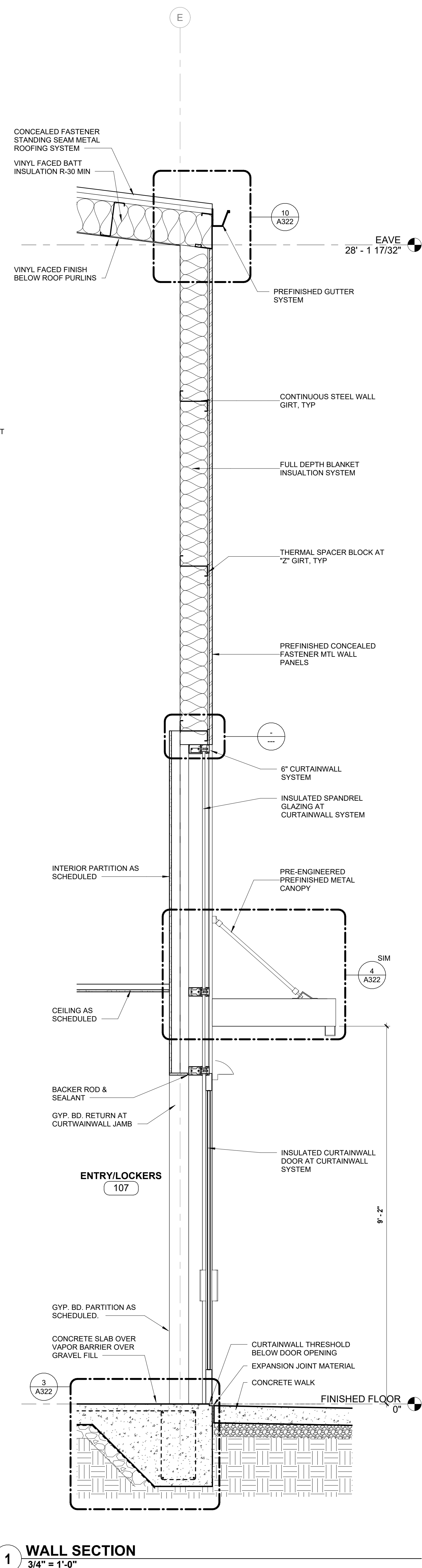
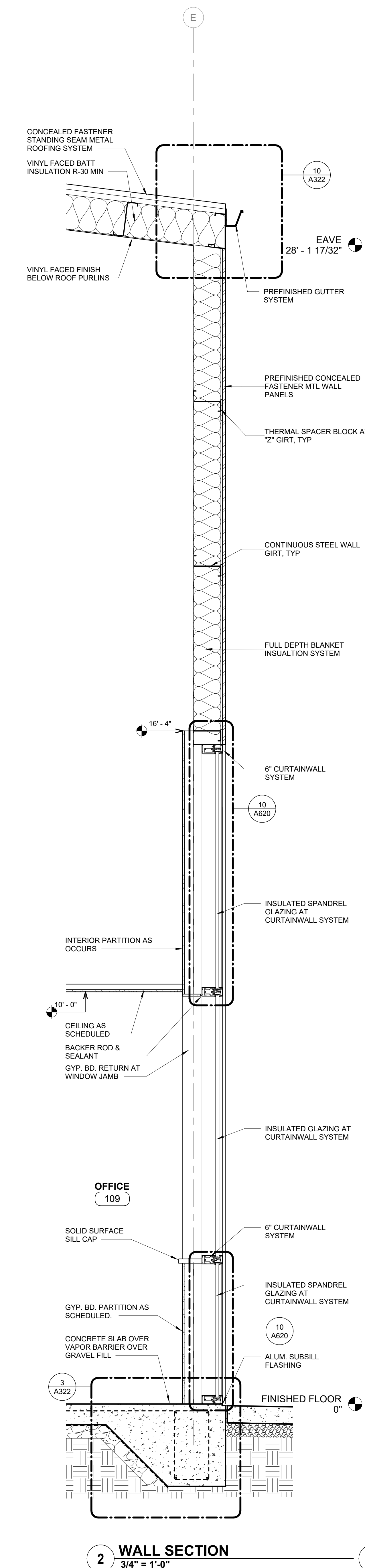
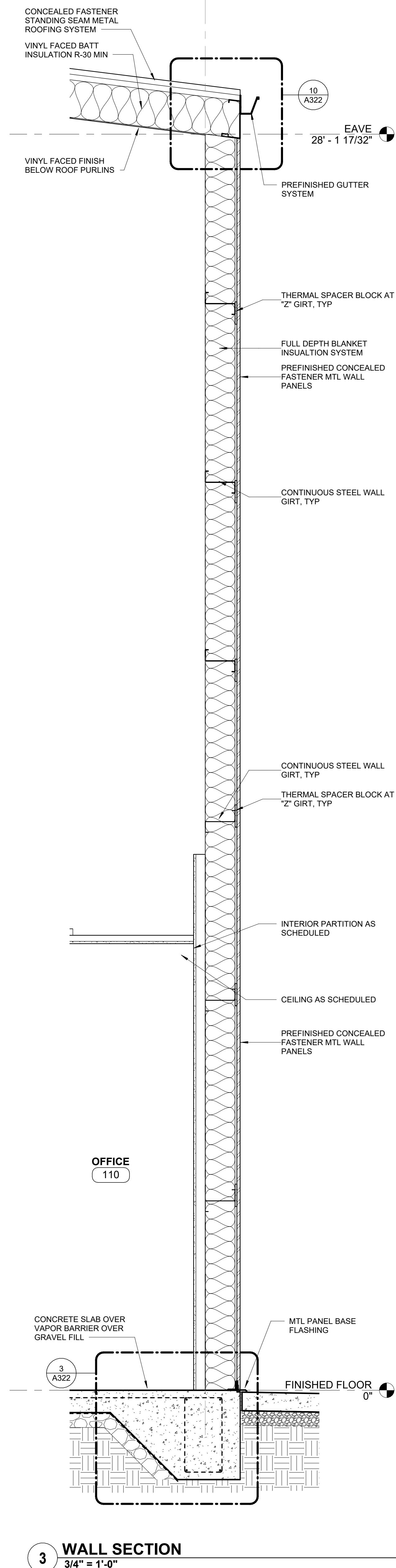
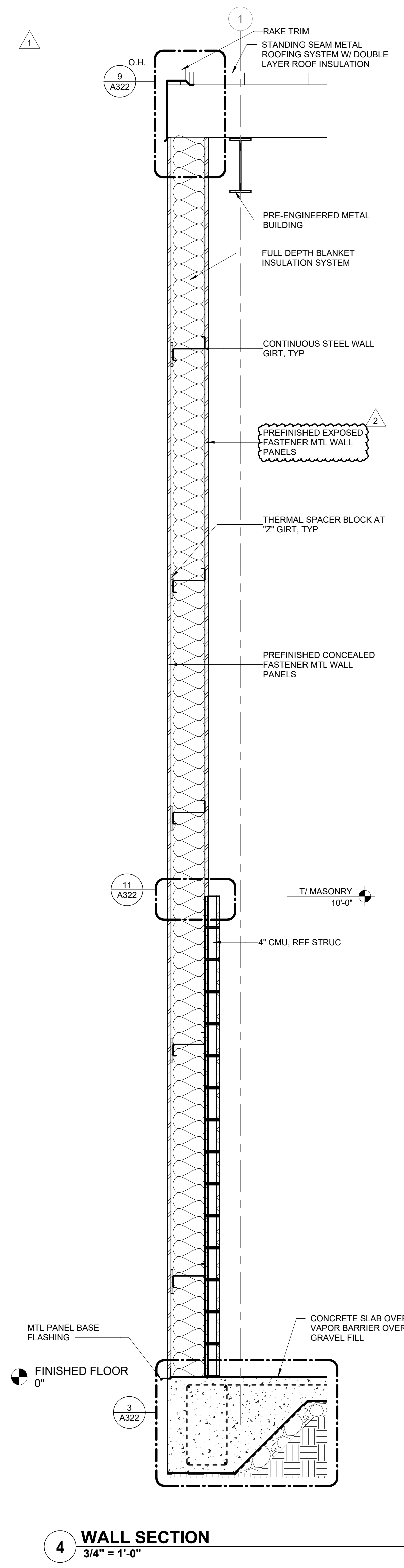
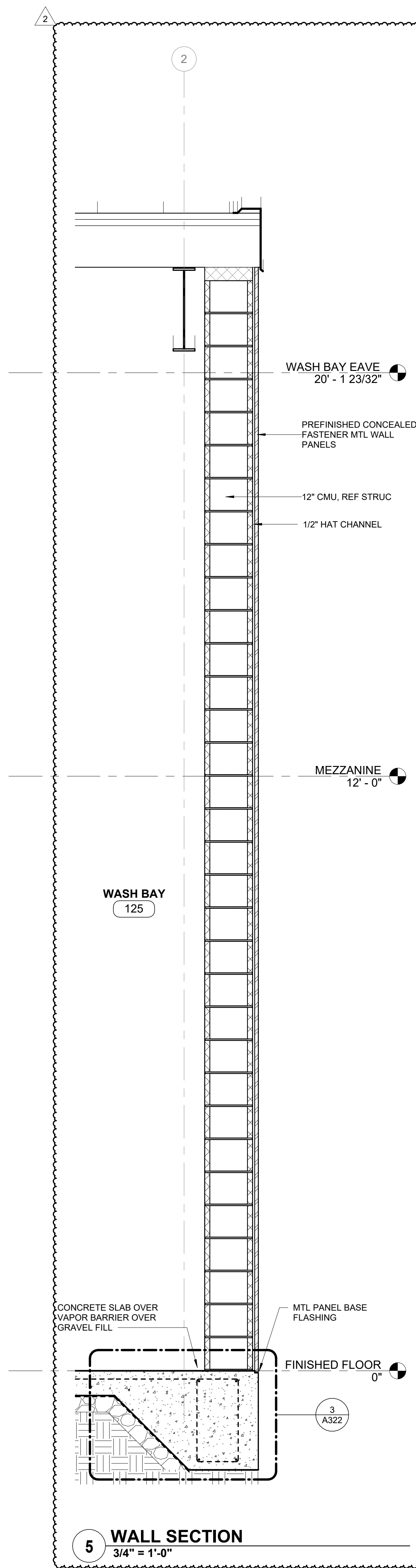


1 NOTED FLOOR PLAN
1/8" = 1'-0"

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1	03/06/25	ADD #1
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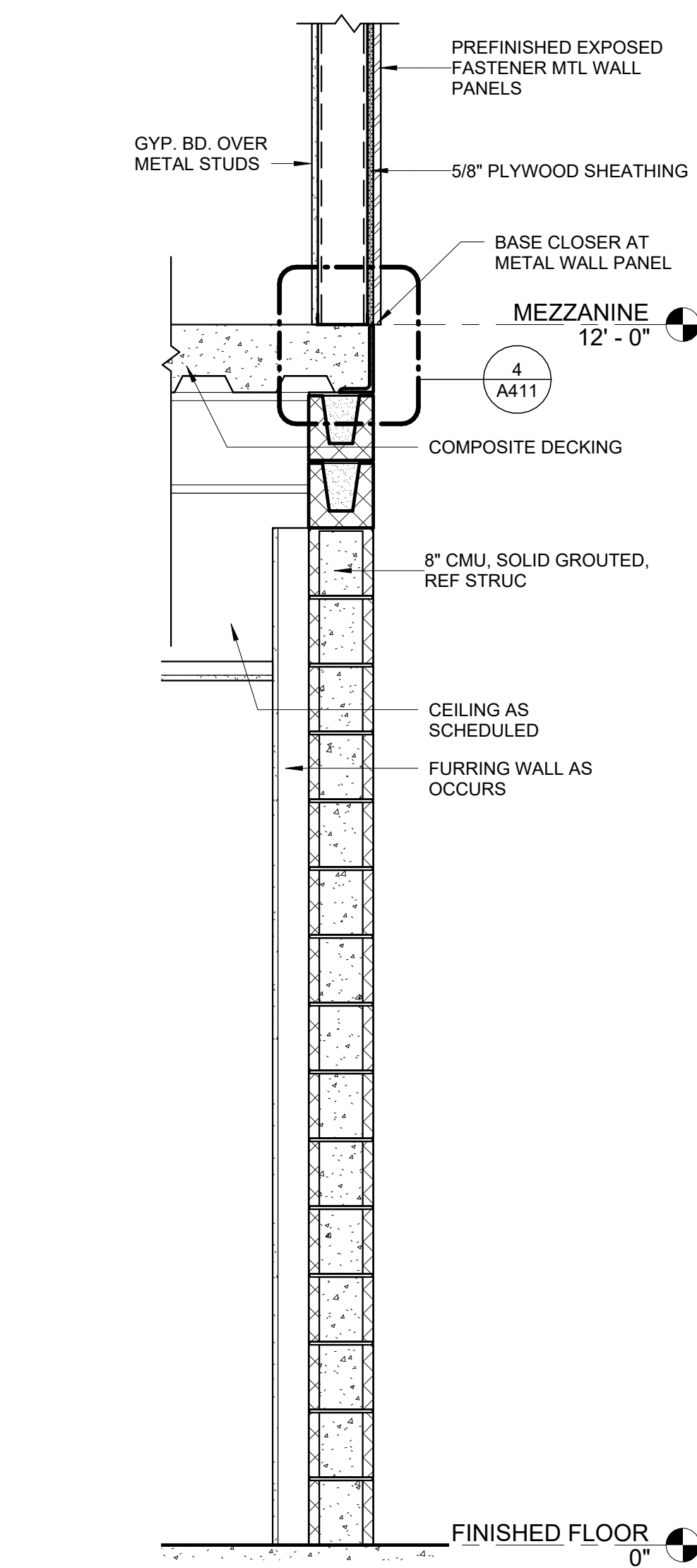


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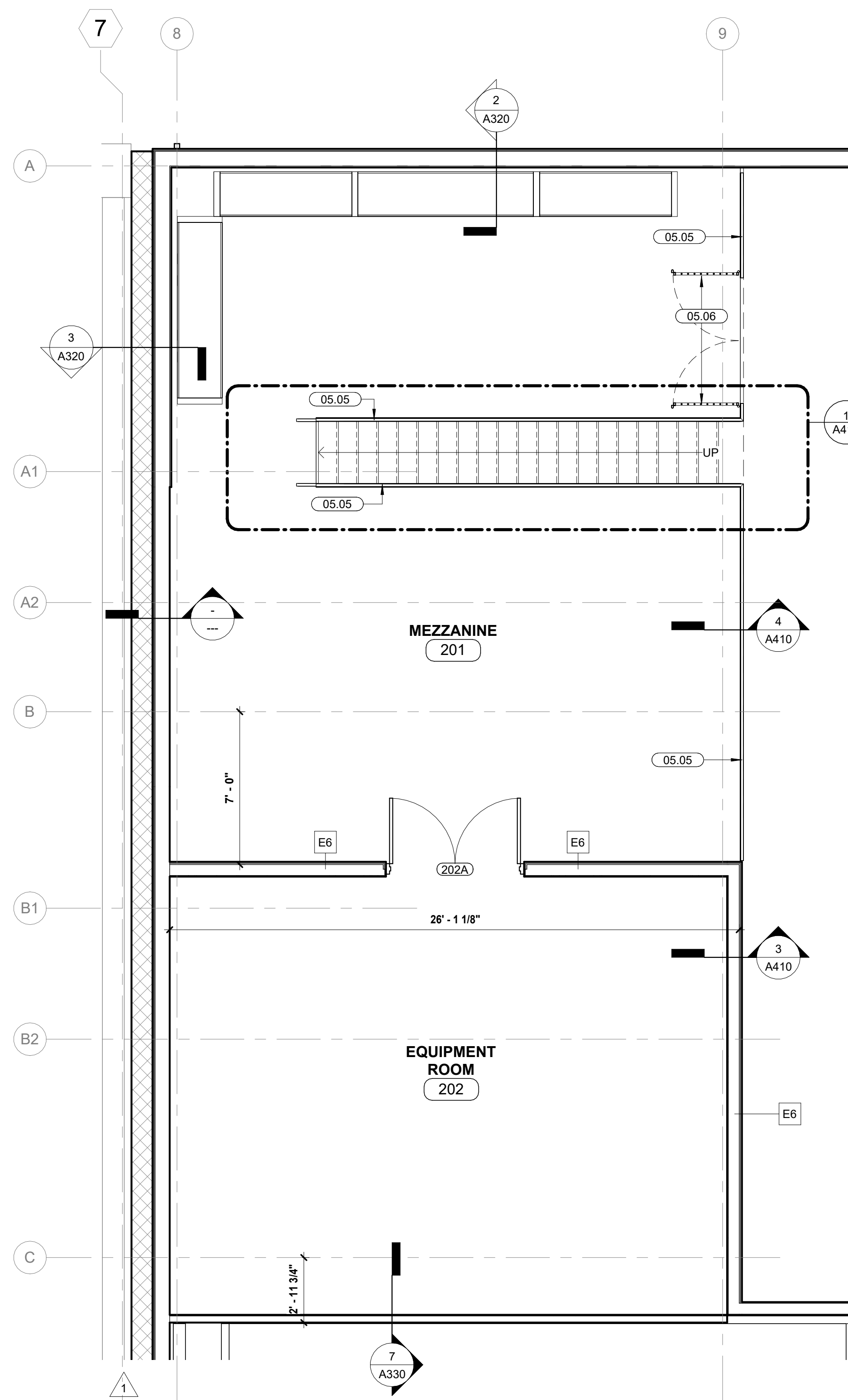
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4 WALL SECTION AT MEZZANINE
3/4" = 1'-0"

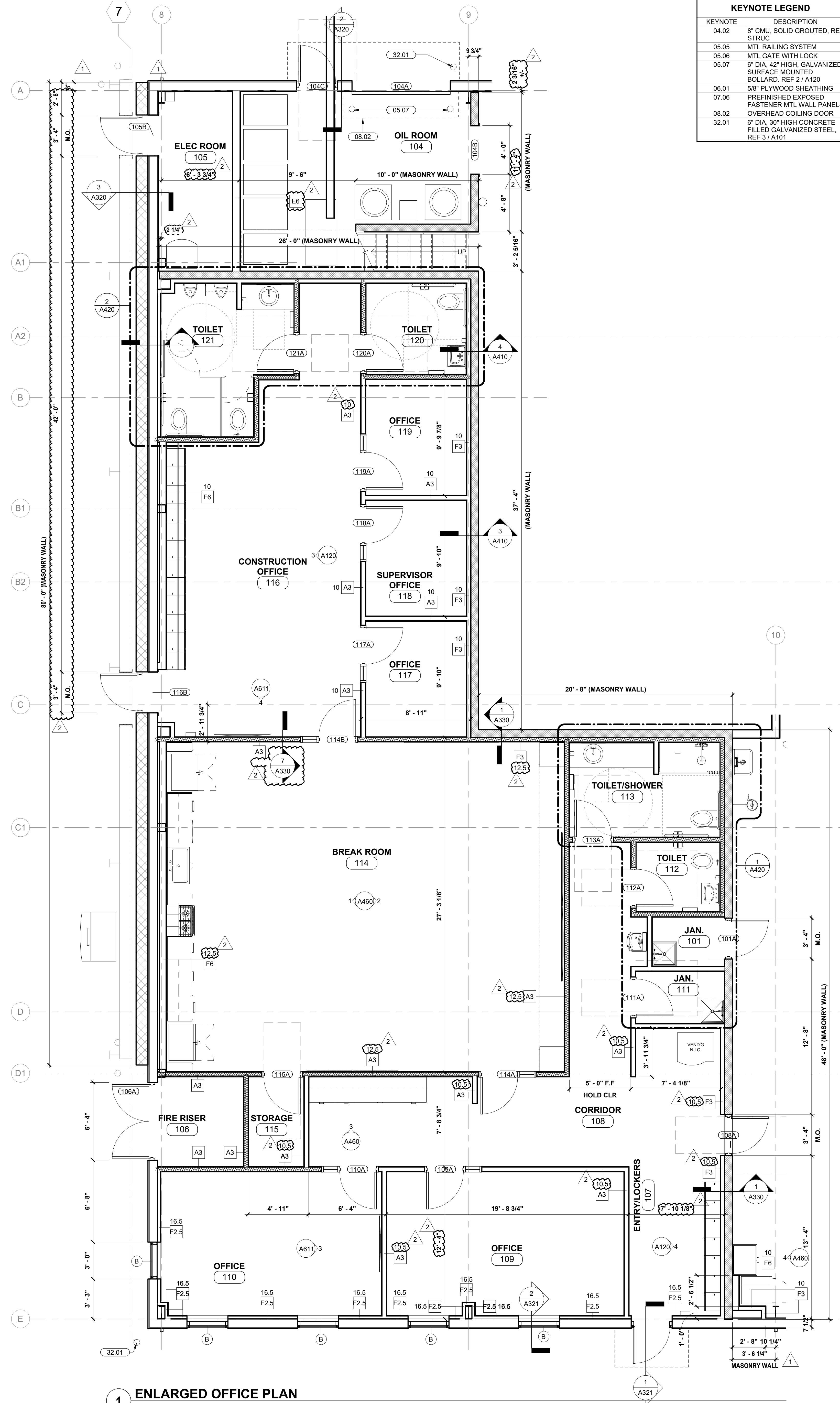


3 WALL SECTION AT MEZZANINE
3/4" = 1'-0"

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



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



KEYNOTE LEGEND	
KEYNOTE	DESCRIPTION
04.02	8" CMU, SOLID GROUTED, REF STRUC
05.05	MTL RAILING SYSTEM
05.06	MTL GATE WITH LOCK
05.07	6" DIA, 42" HIGH GALVANIZED SURFACE MOUNTED BOLLARD, REF 2/A120
06.01	5/8" PLYWOOD SHEATHING
07.06	PREFINISHED EXPOSED FASTENER MTL WALL PANELS
08.02	OVERHEAD COILING DOOR
32.01	6" DIA, 30" HIGH CONCRETE FILLED GALVANIZED STEEL, REF 3/A101

WDD
ARCHITECTS

REGISTERED ARCHITECTS
WITTERBERG
DELONY
DAVIDSON, INC.
JONESBORO, ARKANSAS

PROJECT TITLE

CRAIGHEAD ELECTRIC
MAINTENANCE SHOP ADDITION
4314 STADIUM BLVD.
JONESBORO, ARKANSAS

CONTENTS

ENLARGED PLANS

REVISIONS

NO.	DATE	DESCRIPTION
1	03/06/25	ADD #1
2	03/10/25	ADD #2

JOB. NO.

24-096

DATE

02.14.2025

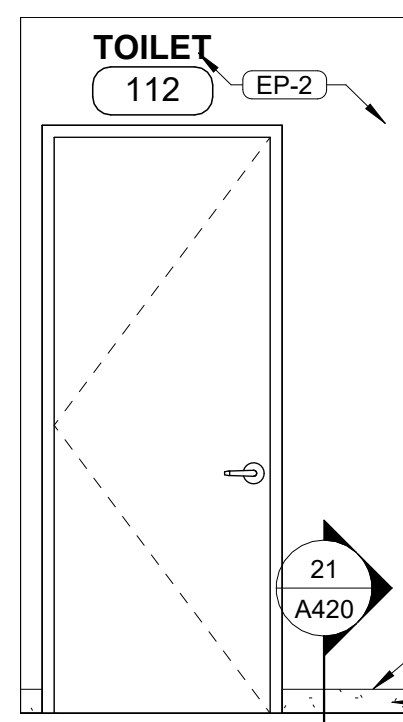
ISSUE

A410

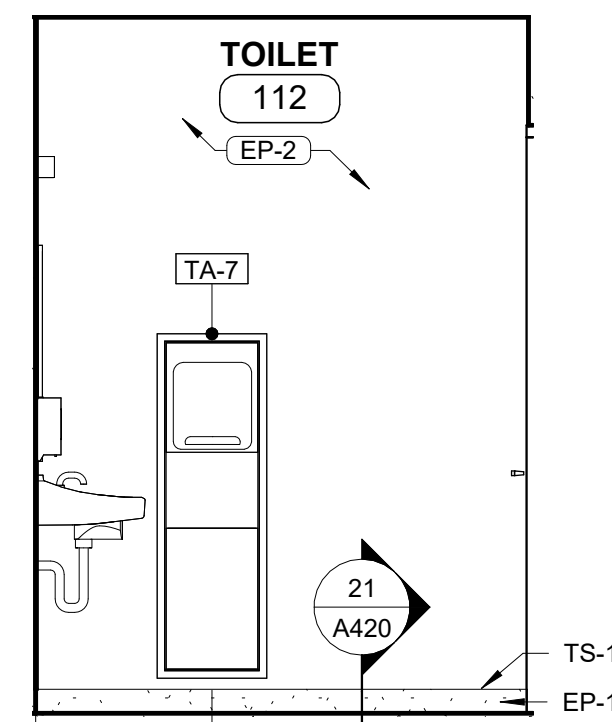
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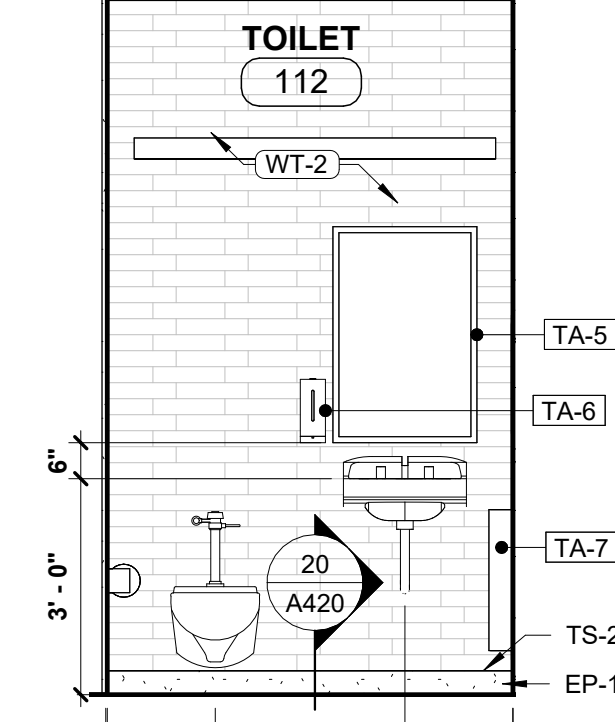
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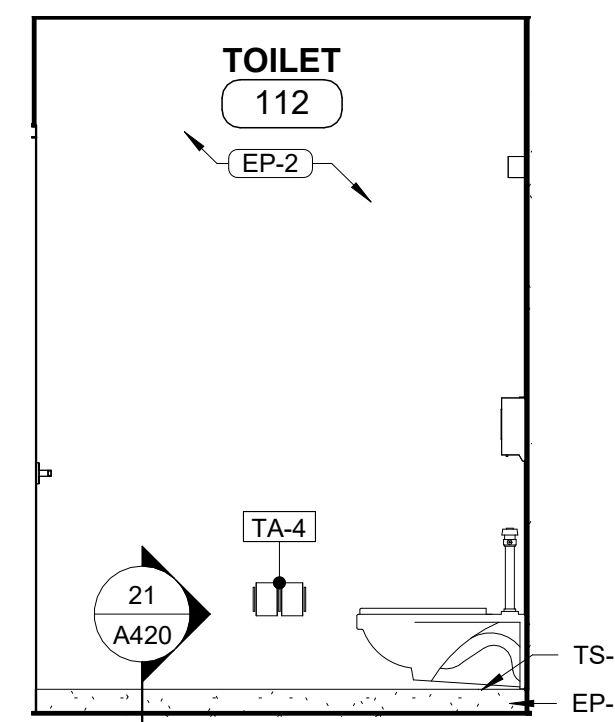
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3/8" = 1'-0"



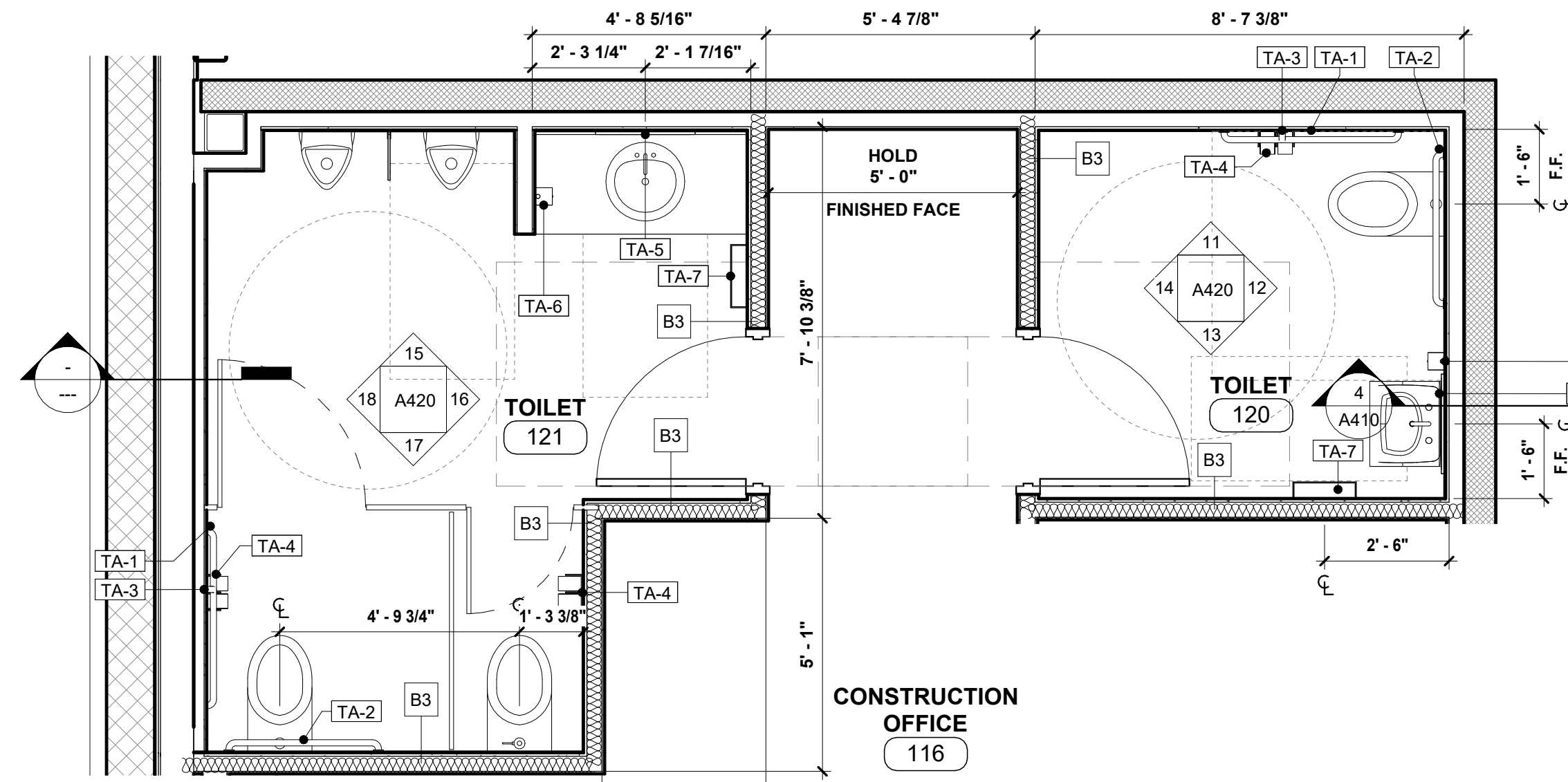
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3/8" = 1'-0"



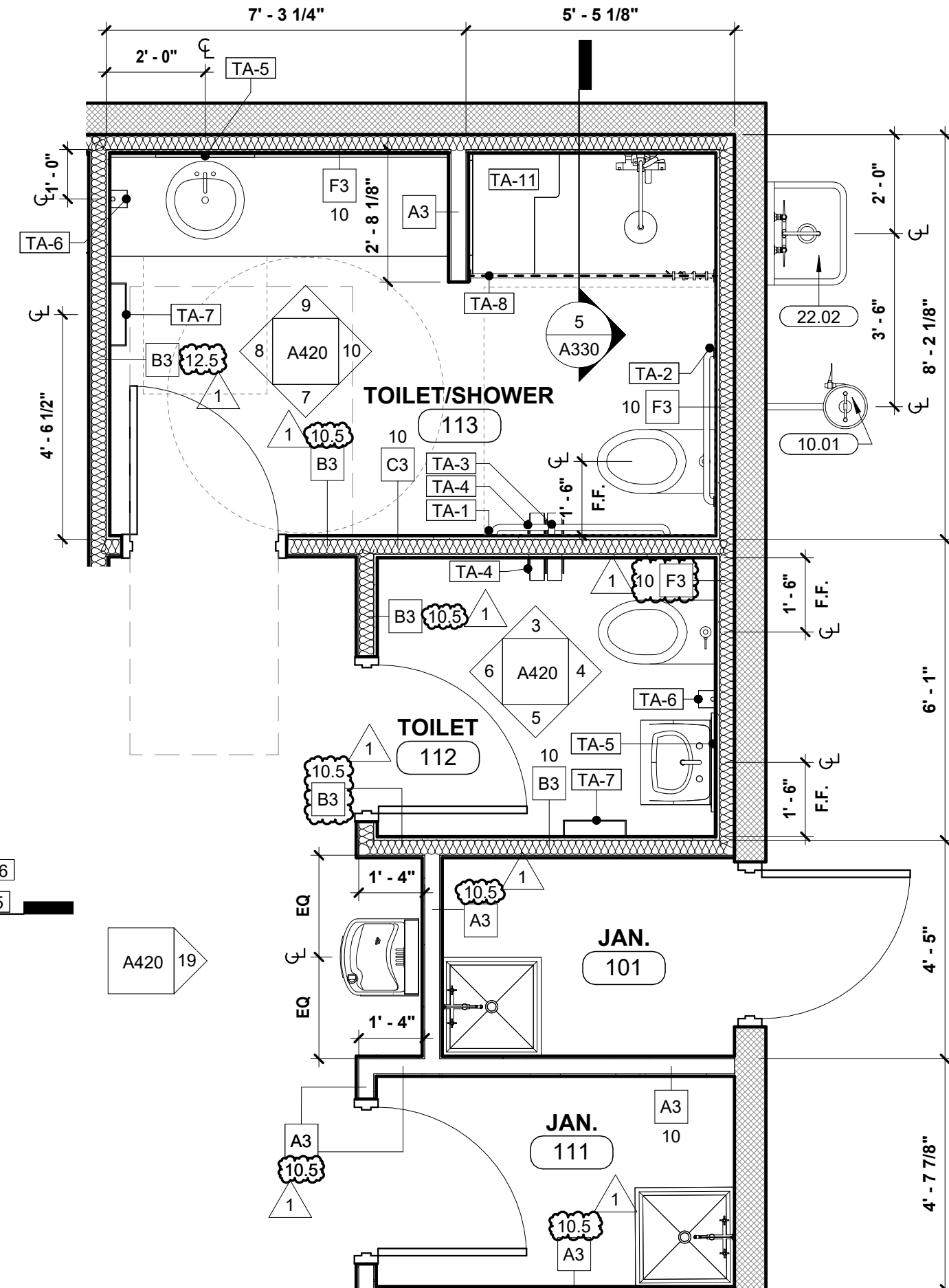
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3/8" = 1'-0"



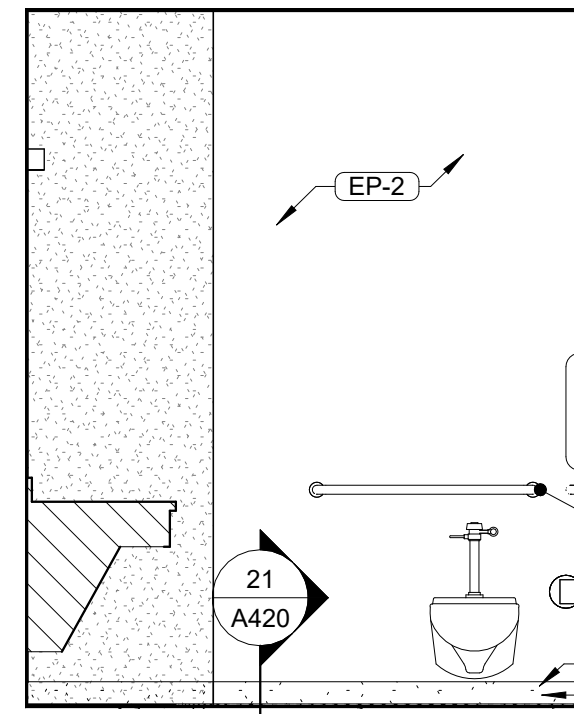
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3/8" = 1'-0"



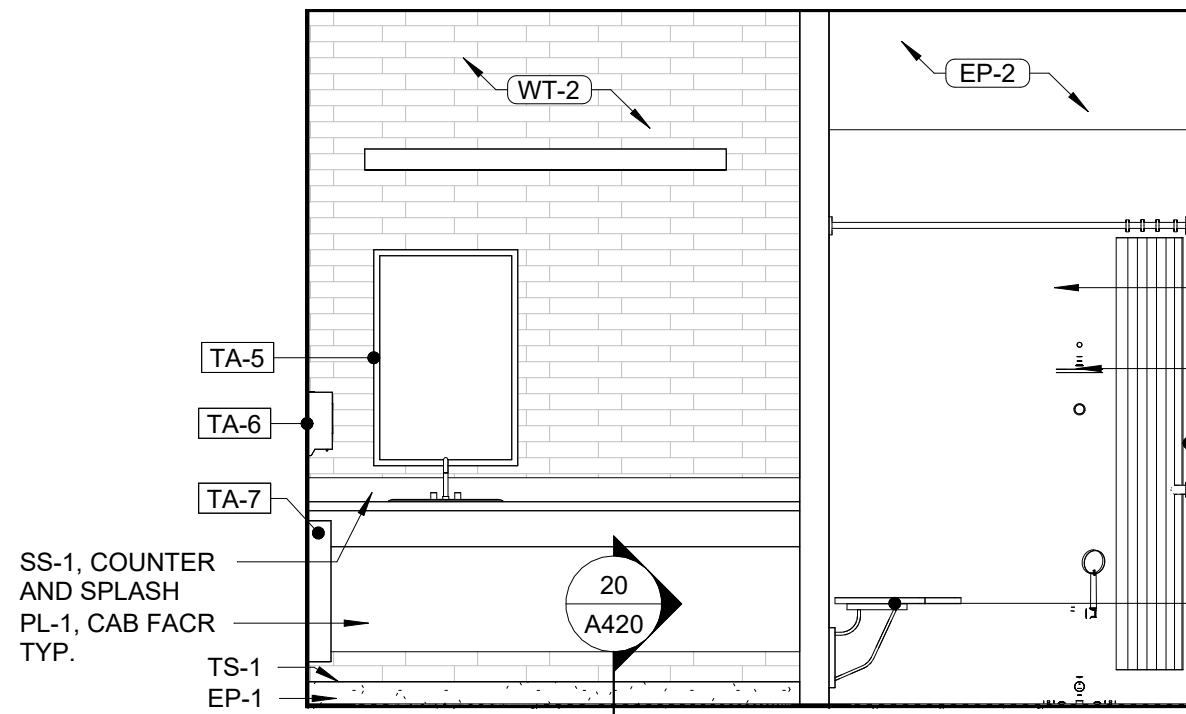
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3/8" = 1'-0"



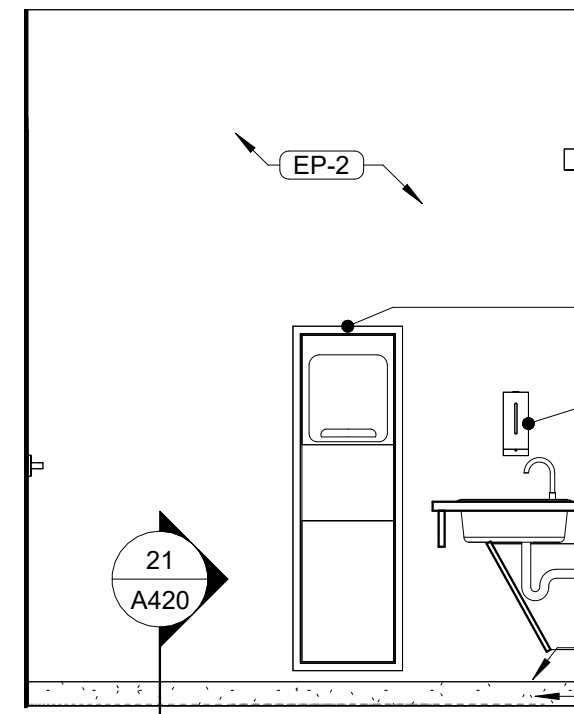
1 ENLARGED TOILET PLANS
3/8" = 1'-0"



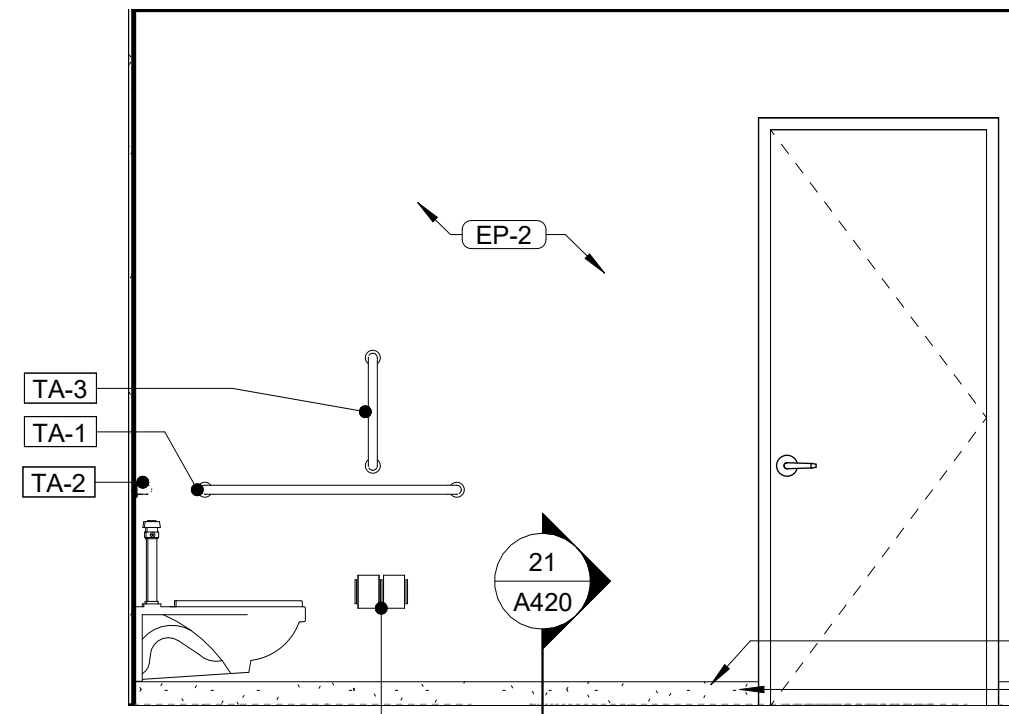
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3/8" = 1'-0"



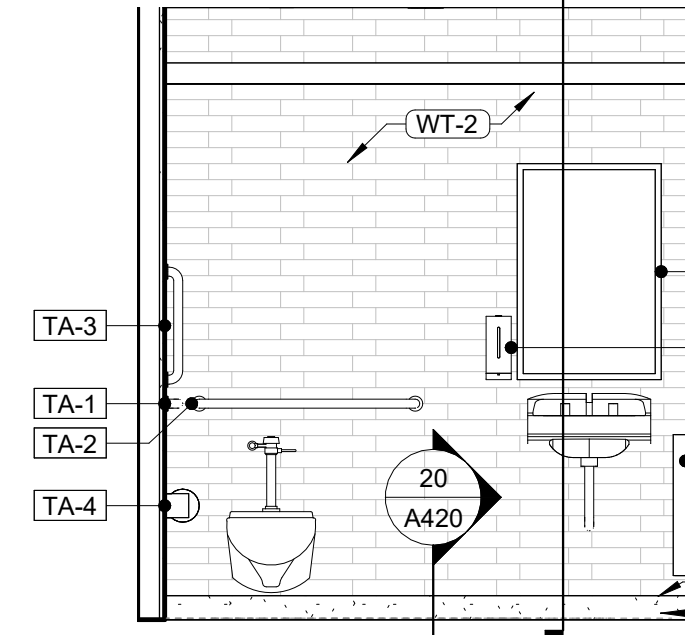
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3/8" = 1'-0"



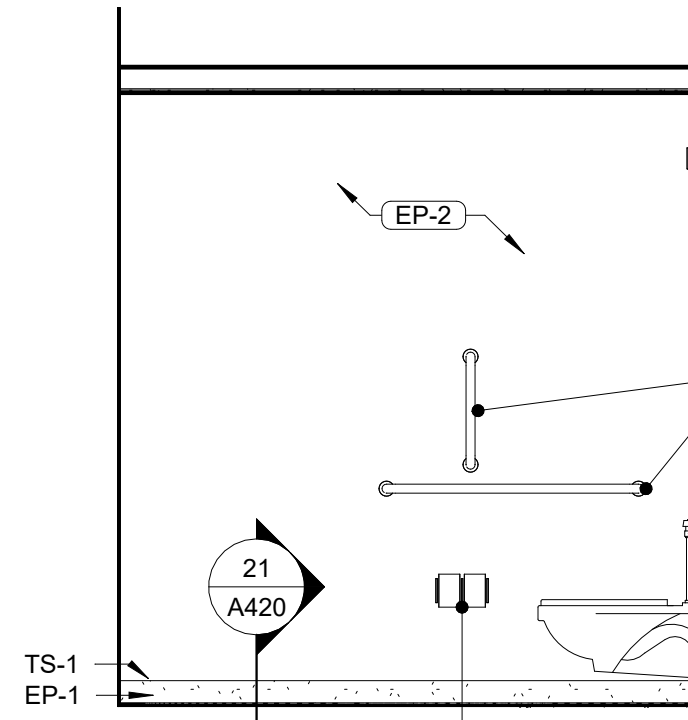
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3/8" = 1'-0"



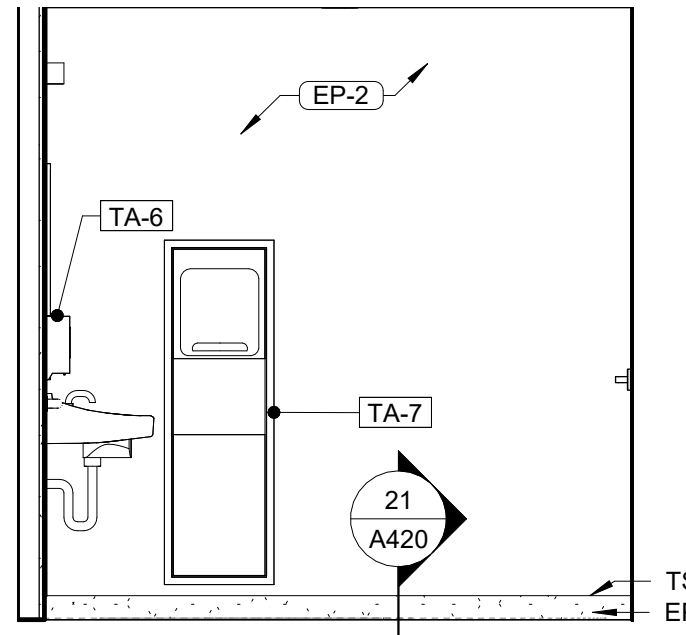
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3/8" = 1'-0"



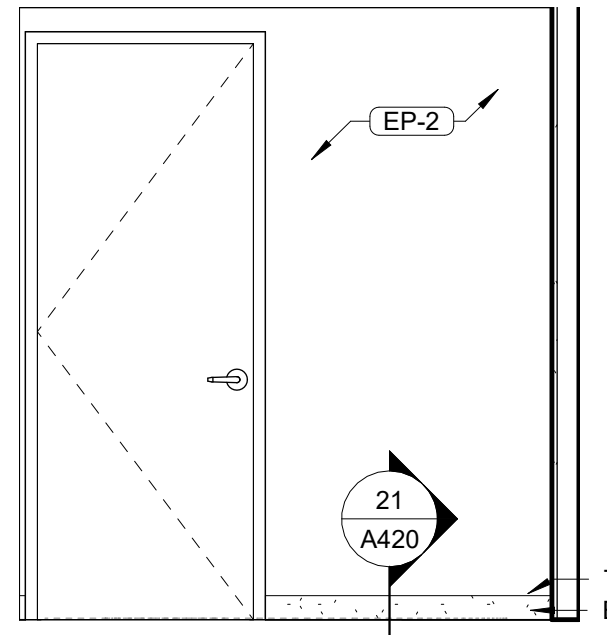
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3/8" = 1'-0"



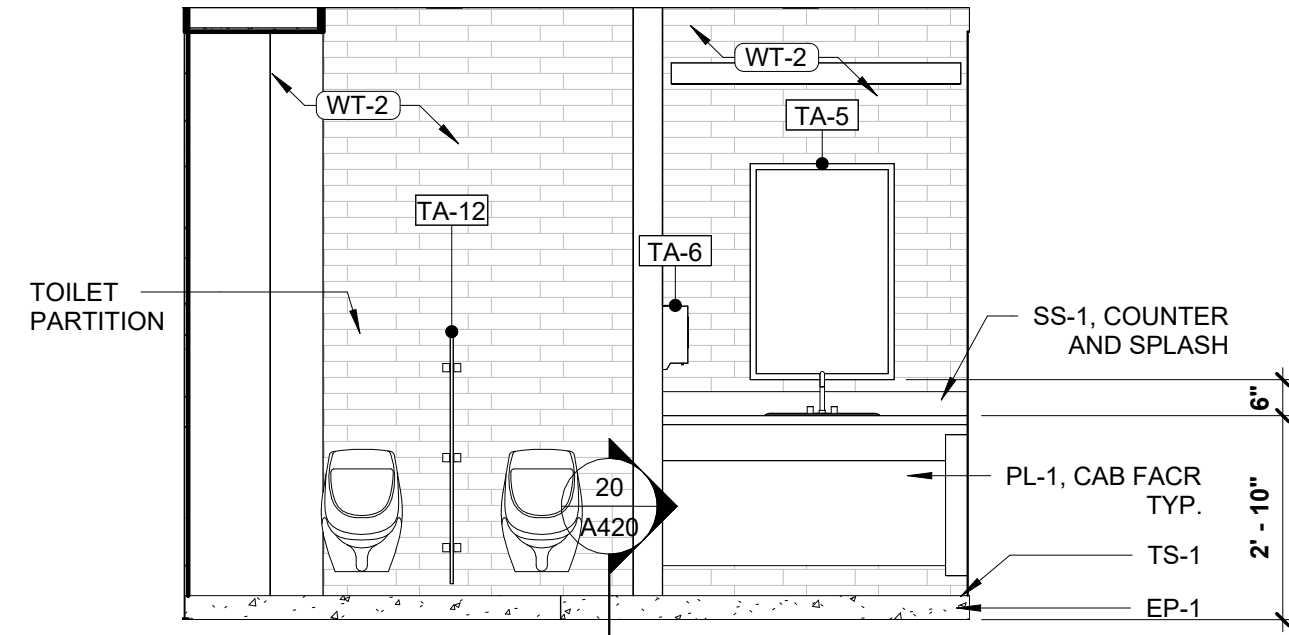
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3/8" = 1'-0"



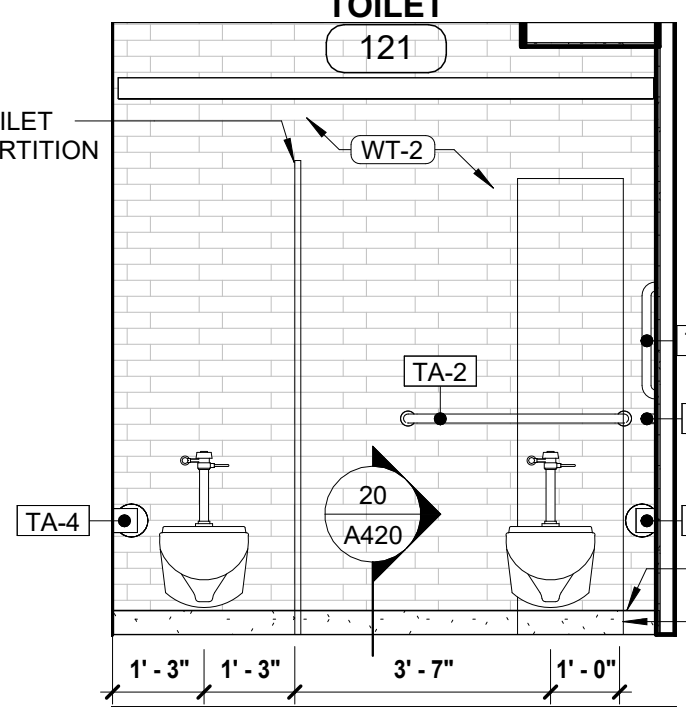
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3/8" = 1'-0"



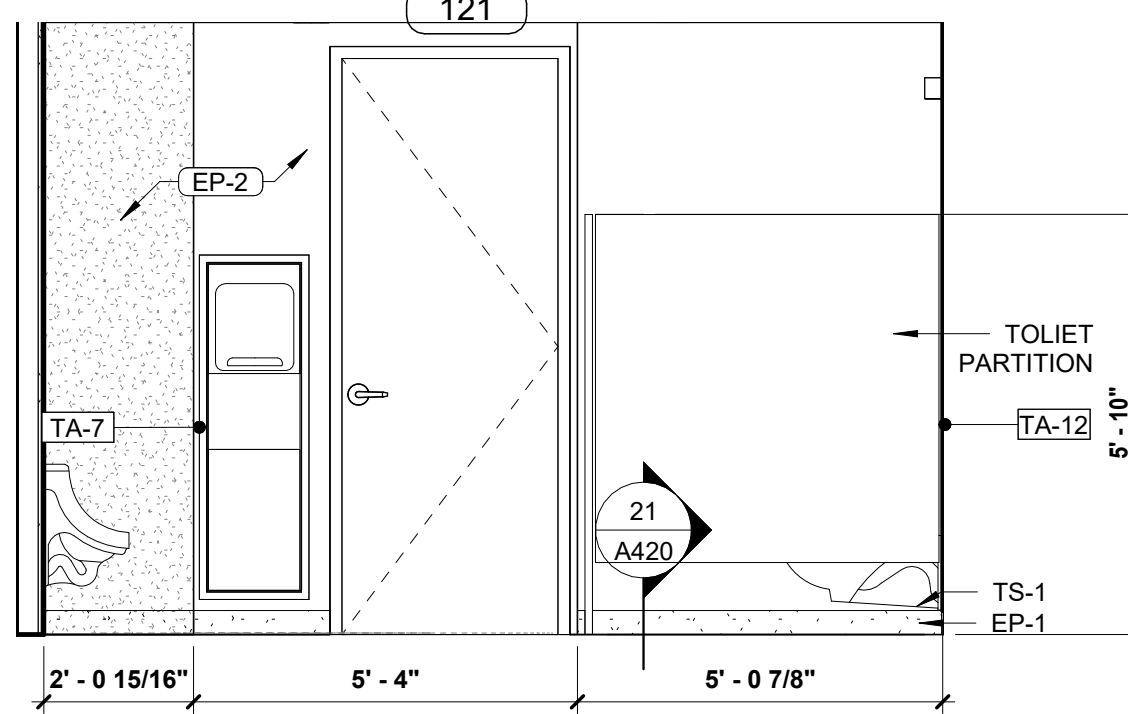
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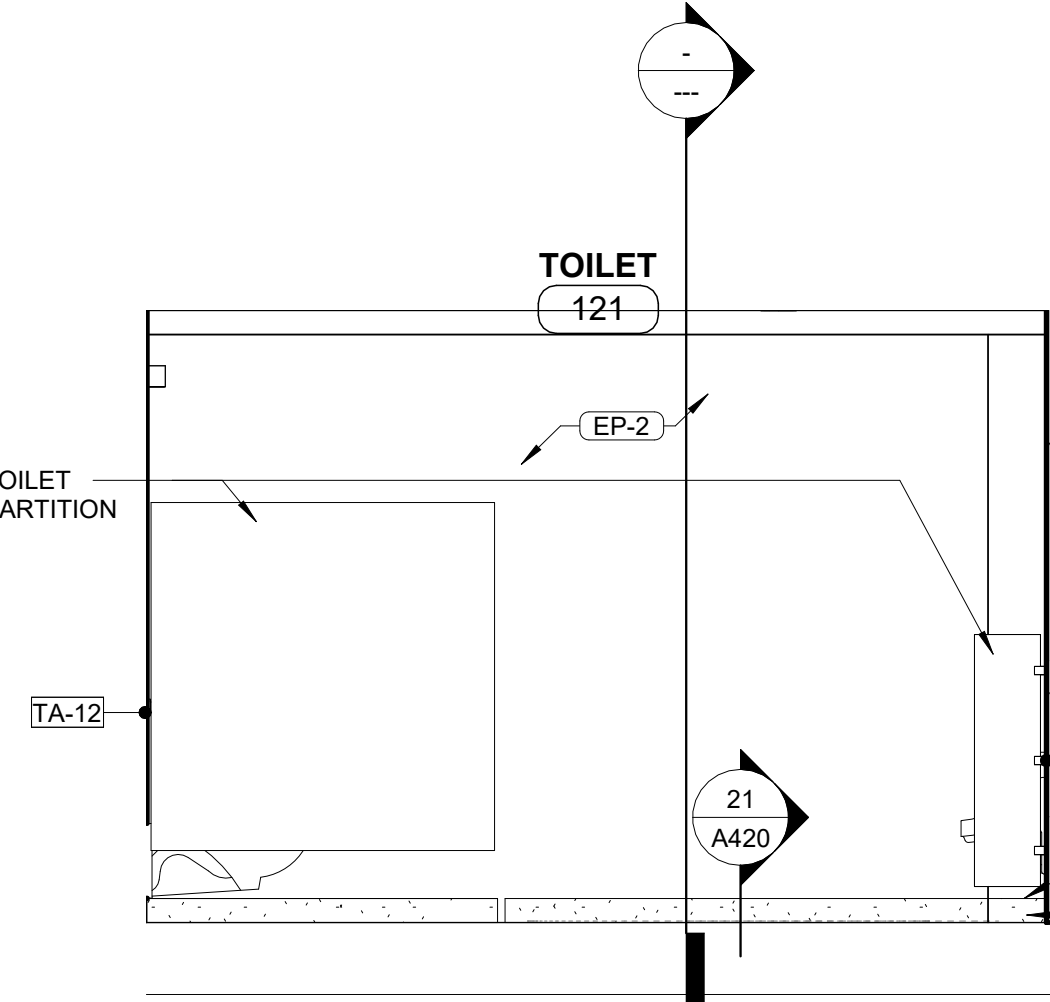
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3/8" = 1'-0"



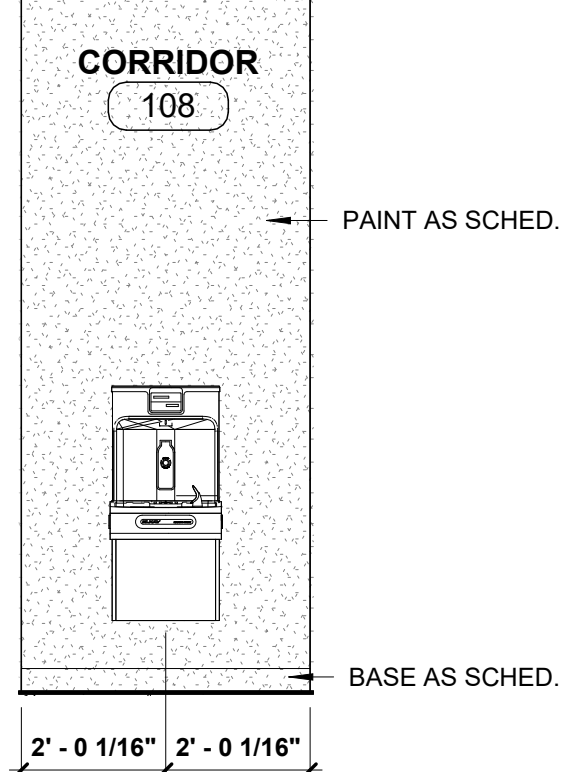
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3/8" = 1'-0"



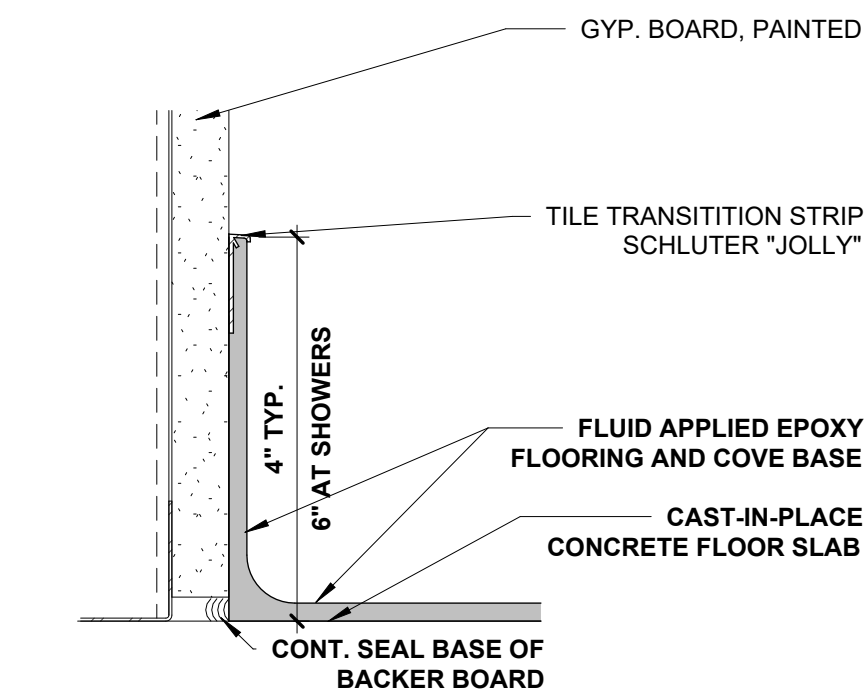
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3/8" = 1'-0"



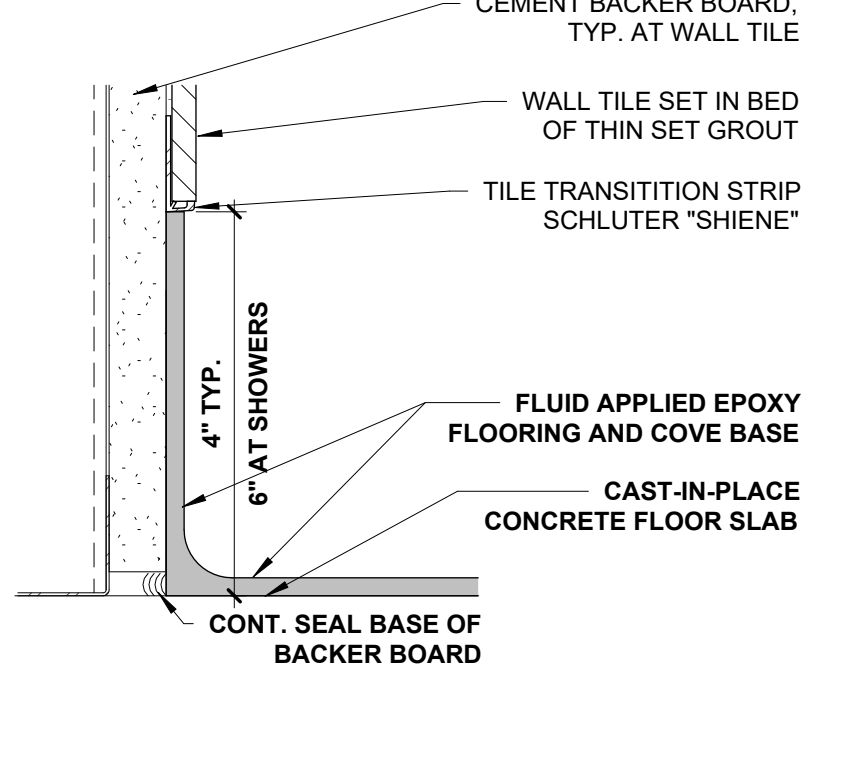
18 TOILET ELEVATION
3/8" = 1'-0"



19 WATER FOUNTAIN ELEV.
3/8" = 1'-0"



21 FLUID APPLIED BASE DETAIL 2
6" = 1'-0"



20 FLUID APPLIED BASE DETAIL 1
6" = 1'-0"

TOILET ACCESSORIES SCHEDULE				
Type Mark	Description	Manufacturer	Model	Comments
TA-1	STAINLESS STEEL GRAB BAR W/ CONCEALED MOUNTING	BOBRICK	B-6806-42	STAINLESS STEEL
TA-2	STAINLESS STEEL GRAB BAR W/ CONCEALED MOUNTING	BOBRICK	B-6806-36	STAINLESS STEEL
TA-3	STAINLESS STEEL GRAB BAR W/ CONCEALED MOUNTING	BOBRICK	B-6806-18	STAINLESS STEEL
TA-4	TOILET PAPER DISPENSER	BOBRICK	B540	SATIN
TA-5	Type 304 Stainless Steel	American Specialties	Type 01	SATIN
TA-6	SOAP DISPENSER	BOBRICK	B-2013	SATIN
TA-7	RECESSED PAPER TOWEL DISPENSER	BOBRICK	B-3940	STAINLESS STEEL
TA-8	SHOWER ROD / CURTAIN WITH HOOKS	BOBRICK	B-6047	STAINLESS STEEL
TA-11	H.C. SHOWER SEAT (FOLDING)	BOBRICK	B-5181	STAINLESS STEEL
TA-12	TOILET PARTITIONS	SCRANTON	HINEY HIDERS	CONCRETE - ORANGE PEEL

- SHEET NOTES**
- FIELD VERIFY ALL DIMENSIONS PRIOR TO FABRICATION OF ANY MILLWORK, LOCKERS, SHELF UNITS, AND COUNTERS.
 - CONTRACTOR TO INSTALL WATER RESISTANT GYP BD & FRP AT MOP SINK LOCATIONS. SEE ENLARGED PLANS FOR DETAILS.
 - FOR PARTITION INFORMATION, REF A30.
 - FOR FINISH INFORMATION, REF A510.
 - ALL WALL TYPES CONFORM TO PARTITION TYPES INDICATED OTHERWISE ON FLOOR PLANS, ENLARGED PLANS, OR WALL SECTIONS.
 - ALL DRYWALL JOINTS TO BE TAPED.
 - ALL DRYWALL BELOW FINISHED CEILING TO BE PREPARED FOR PAINTING AS INDICATED ON INTERIOR ELEVATIONS AND FINISH SCHEDULE.
 - FURNITURE AND EQUIPMENT PLANS, REF A511.
 - ANY PLUMBING LOCATED IN EXTERIOR WALL TO BE INSULATED.
 - PORTABLE FIRE EXTINGUISHER PER NFPA-10 INSTALLED PER
 - PLANS AND SUBJECT TO LOCAL JURISDICTION APPROVAL.

COLOR LEGEND	
TAG	COLOR
EP-2	SW7667 "ZIRCON"



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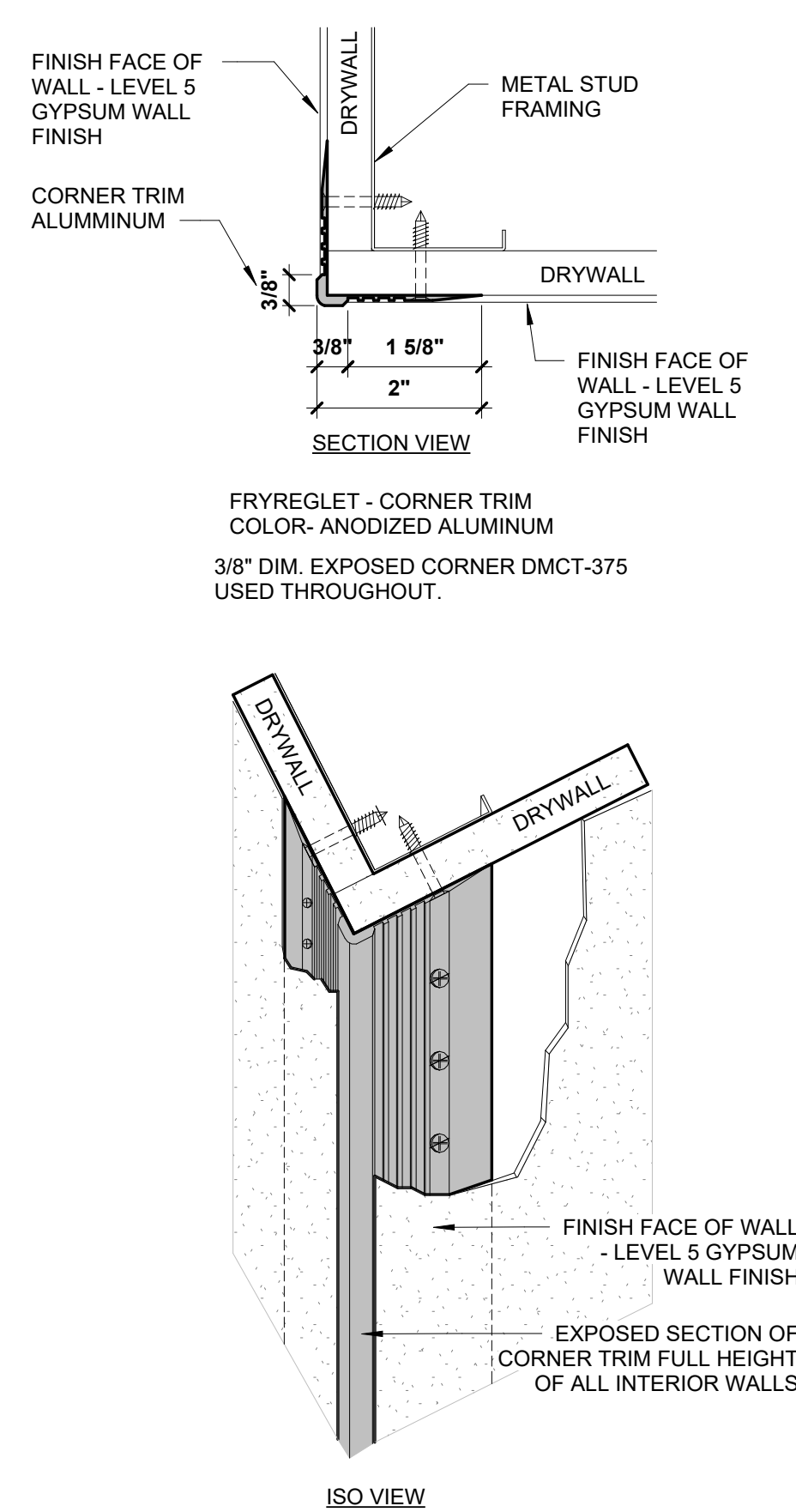
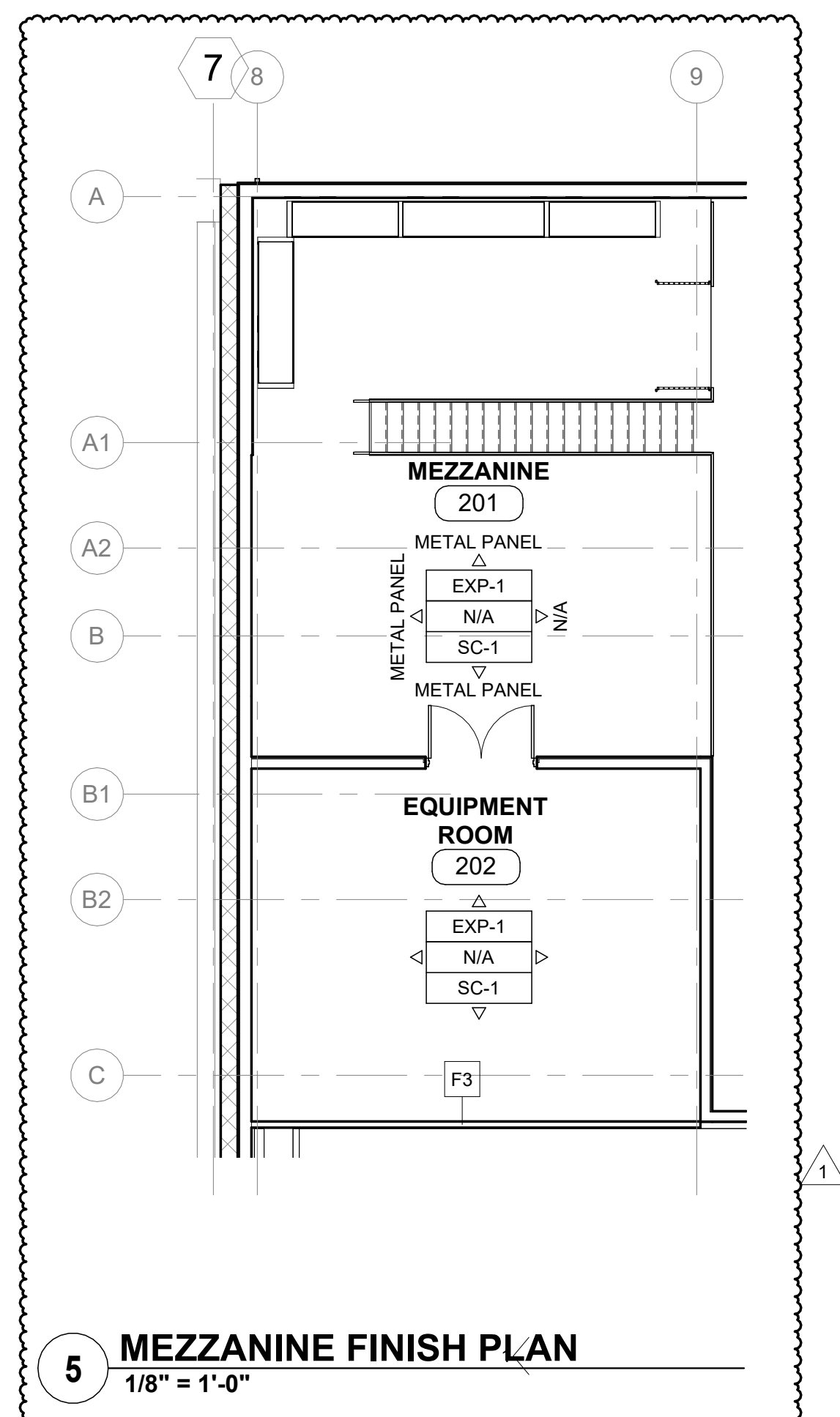
PROJECT TITLE

ENLARGED TOILET PLANS AND ELEVATIONS



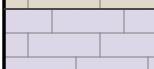
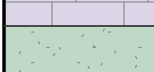

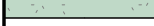
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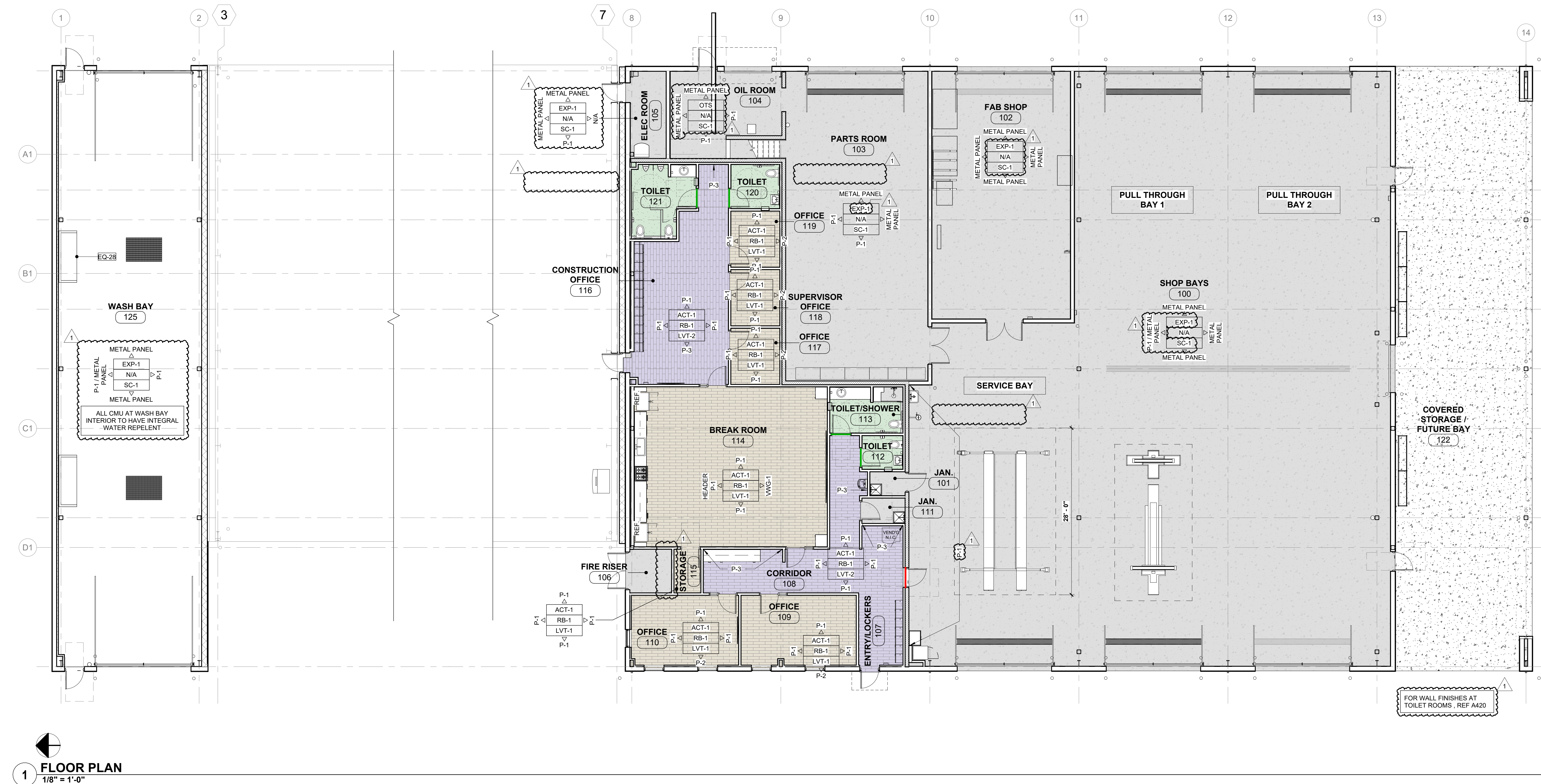
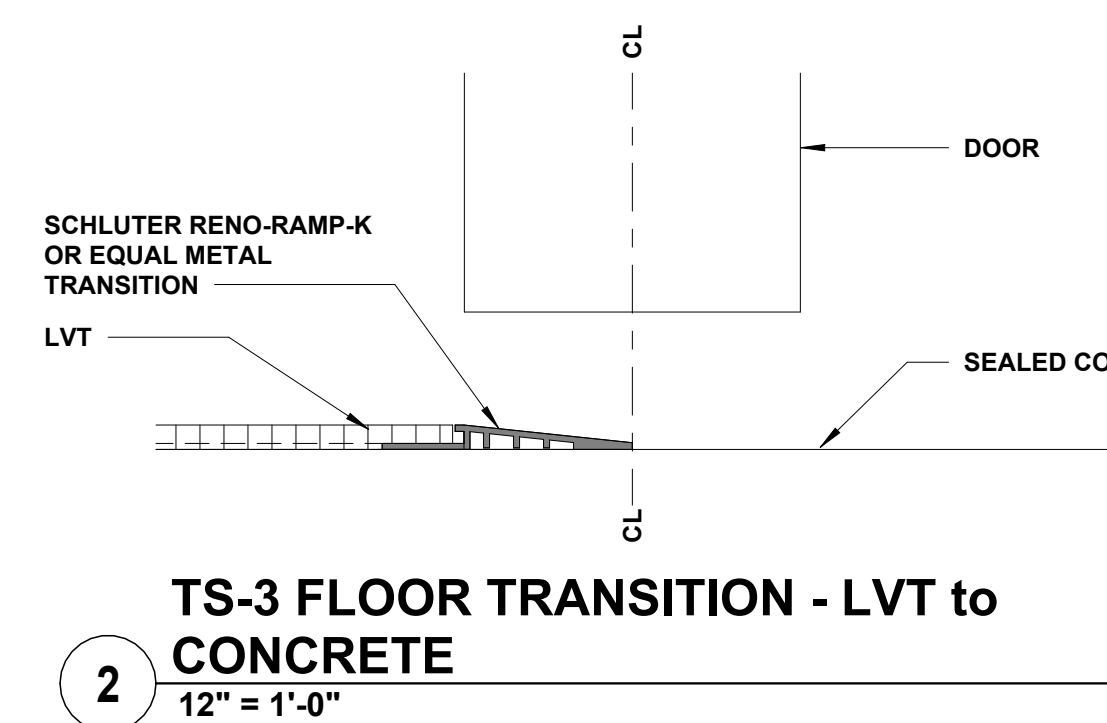
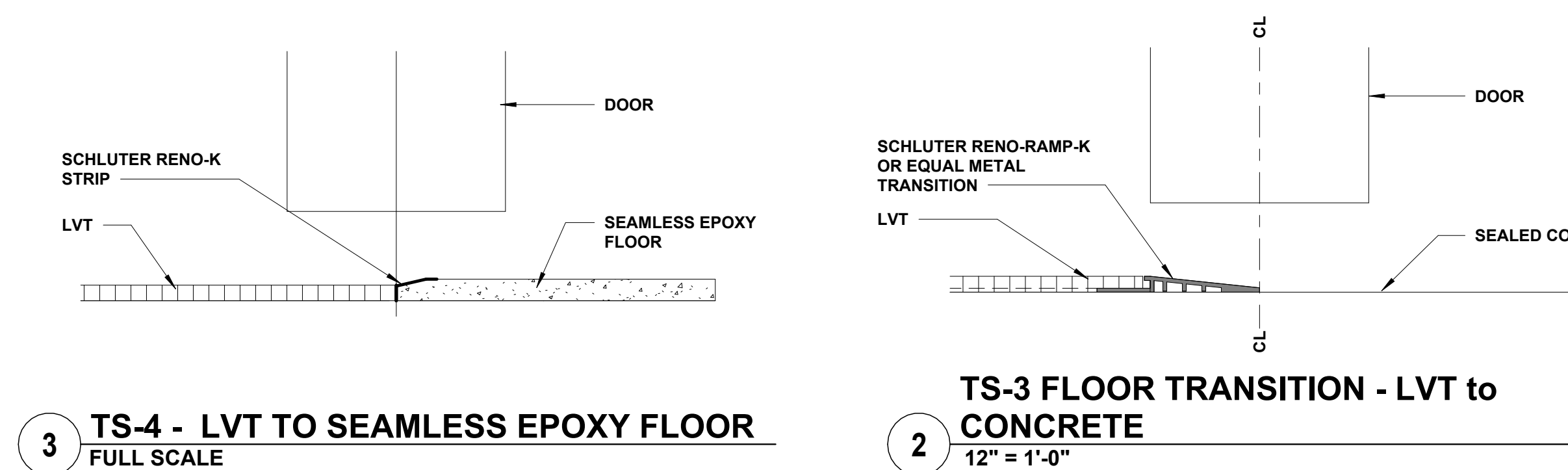
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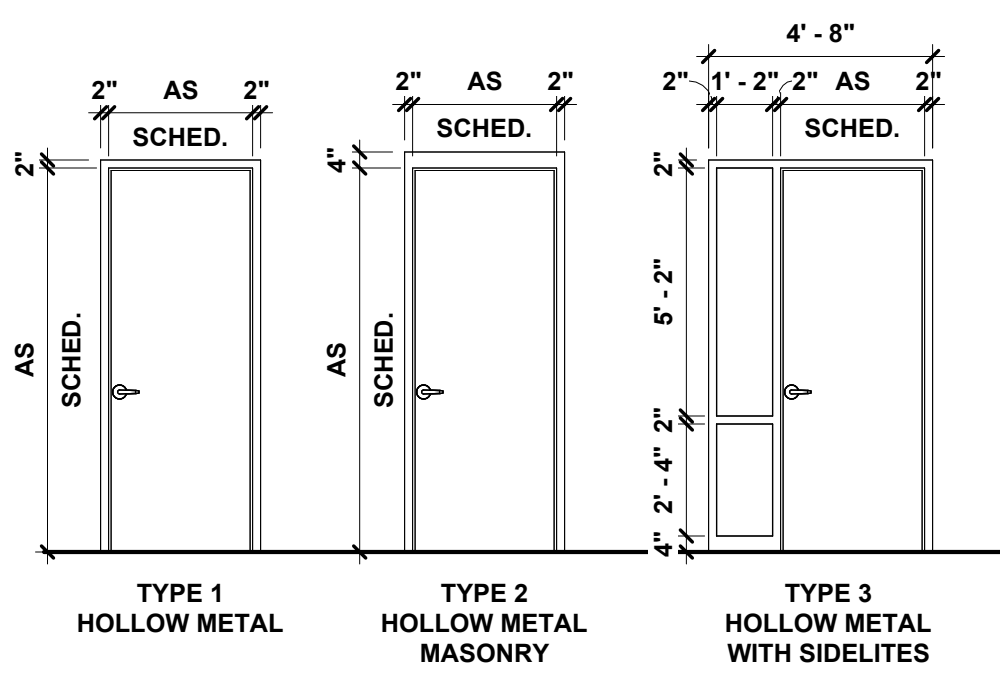
PRODUCT LEGEND								
KEY	GENERIC DESCRIPTION	MANUFACTURER	STYLE	COLOR	FINISH	DIMENSIONS	LAYOUT	REMARKS
BASE								
EP-1	EPOXY BASE	TNEMEC	1C223-Q211	2102			TROWELED ON EPOXY BASE	
RB-1	RESILIENT BASE	JOHNSONITE	4" RUBBER BASE	283 TOAST	MATTE	4"	4' LENGTHS	
CEILING								
ACT-1	ACOUSTIC CEILING TILE	ARMSTRONG	LYRA CONCEALED	WHITE	SMOOTH	2' X 2' TILE	9/16" GRID	
EXP-1	EXPOSED INSULATION		DOUBLE LAYER ROOF INSULATION	WHITE	FLAT			
FLOOR								
EP-1	TROWELED ON EPOXY	TNEMEC	1C223-Q211	2102				
LVT-1	LUXURY VINYL TILE	SHAW CONTRACT	UNION 4349V	CONCRETE VALLEY		9" X 48"	ASHLAR	
LVT-2	LUXURY VINYL TILE	SHAW CONTRACT	COMMINGLE 4350V	SANDY 50111		9" X 48"	ASHLAR	
MILLWORK								
PL-1	PLASTIC LAMINATE	WILSONART	PARK ELM	7967K-12	SOFT GRAIN			MILLWORK
PL-2	PLASTIC LAMINATE	FORMICA	FENIX	COMMODORO	MATTE FINISH			BREAKROOM MILLWORK
SS-1	SOLID SURFACE	WILSONART	ARCTIC DUNE	9253CM				
TRANSITION STRIP								
TS-1	METAL TRANSITION STRIP	SCHLUTER	JOLLY	STAINLESS STEEL				RESTROOM
TS-2	METAL TRANSITION STRIP	SCHLUTER	SCHIENE	STAINLESS STEEL				RESTROOM
TS-3	METAL TRANSITION STRIP	SCHLUTER	RENO RAMP-K	STAINLESS STEEL				
TS-4	METAL TRANSITION STRIP	SCHLUTER	RENO-K	STAINLESS STEEL				
WALL								
EP-2	EPOXY PAINT	SHERWIN WILLIAMS	SW 7667	ZIRCON	EPOXY			
P-1	INTERIOR WALL PAINT	SHERWIN WILLIAMS	SW 7015	REPOSE GREY	EGGSHELL			CEILING
P-2	INTERIOR WALL PAINT	SHERWIN WILLIAMS	SW 7024	FUNCTIONAL GREY	EGGSHELL			
P-3	INTERIOR WALL PAINT	SHERWIN WILLIAMS	SW 6187	ROSEMARY	EGGSHELL			
P-4			OSHA STANDARD SAFETY YELLOW	YELLOW				
P-5	INTERIOR DOOR FRAME PAINT	SHERWIN WILLIAMS	SW 7019	GAUNTLET GREY	SEMI-GLOSS			
VWC-1	VINYL WALLCOVERING	MOMENTUM	CUSTOM WALL GRAPHIC		VINYL			BREAK ROOM FEATURE WALL
WT-1	PORCELAIN WALL TILE	TILEBAR	PAIN'T	WHITE	POLISHED	3' X 12"	HORIZONTAL RAINING	
WT-2	PORCELAIN WALL TILE	TILEBAR	PAIN'T	VERDE	POLISHED	3' X 12"	VERTICAL STRIGHT STACK	RESTROOM
WINDOW								
RS-1	ROLLER SHADE	DRAPER	MANJALI ROLLER SHADE	SOLAR 3% - CHARCOAL		FIELD VERIFY		

FLOOR PATTERN LEGEND	
FLOORING MATERIALS	
	SC-1: SEALED CONCRETE
	LVT-1: LUXURY VINYL TILE
	LVT-2: LUXURY VINYL TILE
	EP-1: TROWELED ON EPOXY FLOORING
	TS-3: CONCRETE TO LVT FLOOR TRANSITION
	TS-4: LVT TO EP FLOOR TRANSITION

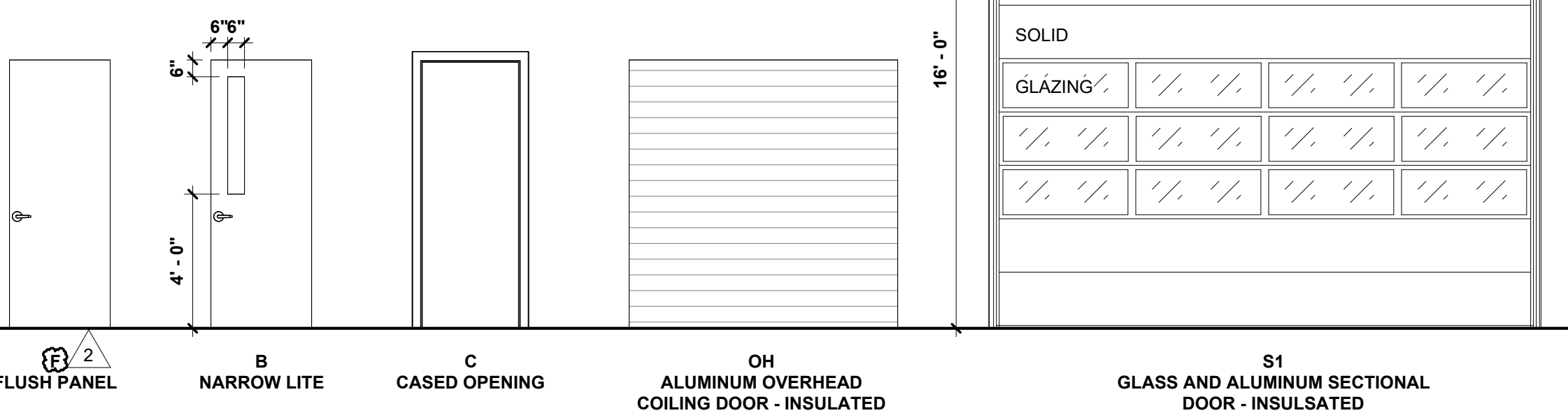
- SHEET NOTES**
1. CONTRACTOR TO PROVIDE SAMPLES OF ALL SELECTED MATERIALS FOR ARCHITECT'S FINAL COLOR SELECTIONS AND APPROVAL PRIOR TO ORDERING. ALL FINAL SELECTIONS ARE SUBJECT TO CHANGE UNTIL FINAL DRAWINGS ARE ISSUED.
 2. ALL TRANSITION DETAILS TO BE COORDINATED WITH ARCHITECT PRIOR TO ORDERING. SEE FLOOR PLANNING PLANS FOR LOCATIONS.
 3. SHOWERS & WOMEN'S RESTROOMS HAVING SOLID SURFACE COUNTERS TO RECEIVE UNADJACENTLY LOCATED SOLID SURFACE ADA BOWLS, BY1512, COLOR: LIME WHITE.
 4. ALL CONTRACTOR TO VERIFY WITH SUB. CONT. OR WINDOW SHADE SUPPLIER ALL DIMENSIONS, SIZES AND MATERIALS REQUIREMENTS, CONTROL AND MOUNTING REQUIREMENTS FOR ALL WINDOW COVERINGS MECH. AND TREATMENT. LOCATIONS TO BE FOUND ON RCP.
 5. ALL WINDOW SILLS TO BE SOLID SURFACE, SS-1.
 6. CONTRACTOR TO VERIFY ALL WIRING REQUIRED FOR ALL AUTOMATED SHADES AND WINDOW CONTROLS PRIOR TO GWB FINISH OUT.
 7. ACENT PAINT LOCATIONS AS NOTED ON PAINT SCHEDULE. ALL TRANSITION STRIPS LOCATED ON THIS PLAN.
 8. CONTRACTOR GUARDS TO BE INSTALLED ON ALL CORNERS.
 9. ALL HOLLOW METAL DOORS AND PARTITIONS TO BE PAINTED RCP P-5 UNLESS OTHERWISE NOTED ON PAINT PLANS. ACENT FRAME AND GLASS TO BE FOUND ON PAINT PLANS.
 10. ALL EXPOSED METAL STRUCTURE TO BE PAINTED, OR FINISHED UNLESS OTHERWISE NOTED ON PAINT PLANS.
 11. ALL JOINTING JOINTS TO ALIGN WITH CONTROL JOINTS. CONTRACTOR IS RESPONSIBLE TO COORDINATE WITH STRUCTURAL DRAWINGS.
 12. ALL ELECTRICAL DEVICES, OUTLETS, AND SWITCH COVERS TO BE COLOR: WHITE.
 13. EXPANSION JOINT LOCATIONS TO BE COORDINATED WITH STRUCTURAL DRAWINGS.
 14. REFER TO RCP FOR LOCATIONS OF FURR DOWNS. ALL FURR DOWNS TO RECEIVE PAINT OR W/C AS SCHEDULED.
 15. CONTRACTOR TO COORDINATE ALL MATERIALS AND SIZES WITH RCP LAYOUT.
 16. ALL SOLID SURFACE COUNTER WITH A 4" BACKSLASH ARE TO BE INSTALLED VERTICAL AND HORIZONTAL SURFACES.
 17. LOCATION OF GROMMETS ON HORIZONTAL SURFACES TO BE VERIFIED BY ARCHITECT PRIOR TO INSTALL.
 18. CONTRACTOR PROVIDE BLOCKING FOR ALL TV'S AND WALL HUNG ELECTRONIC EQUIPMENT.
 19. ALL PAINT EXEMPT FROM



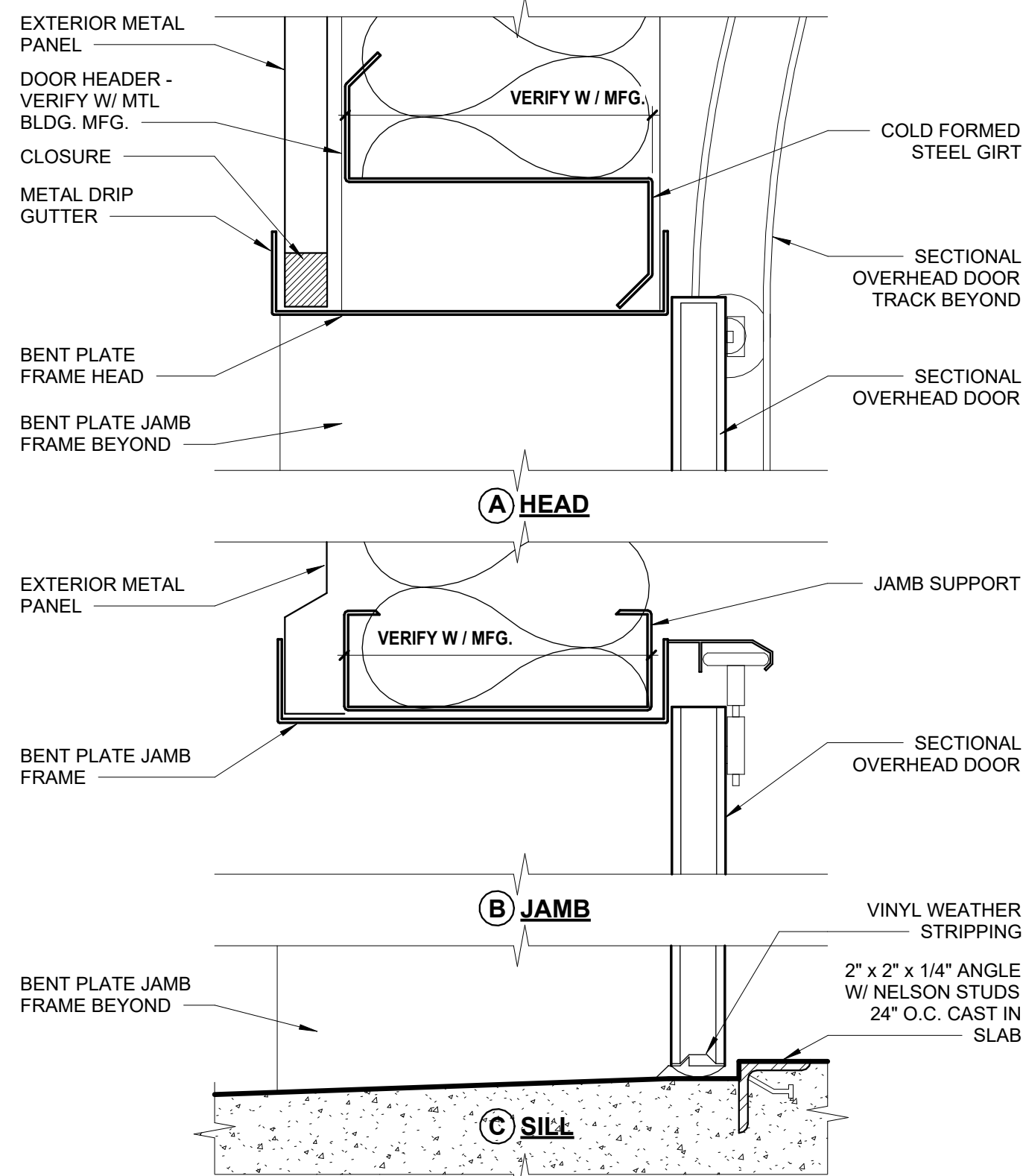
3/10/2025 6:10:39 PM Autodesk Docs\Cranehead Electric Maintenance Shop 12.006 - Cranehead Electric Maintenance Shop.rvt



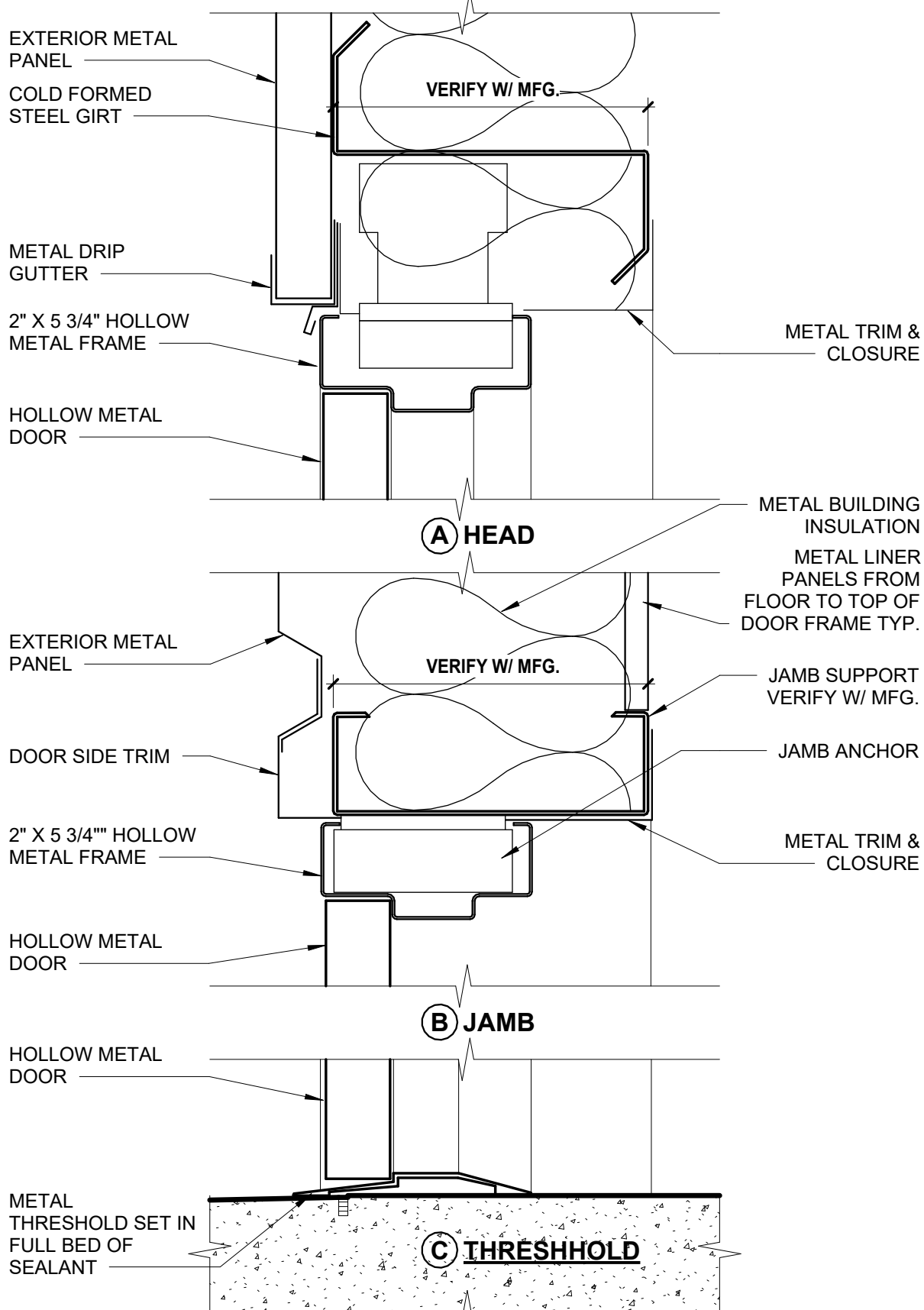
FRAME LEGEND



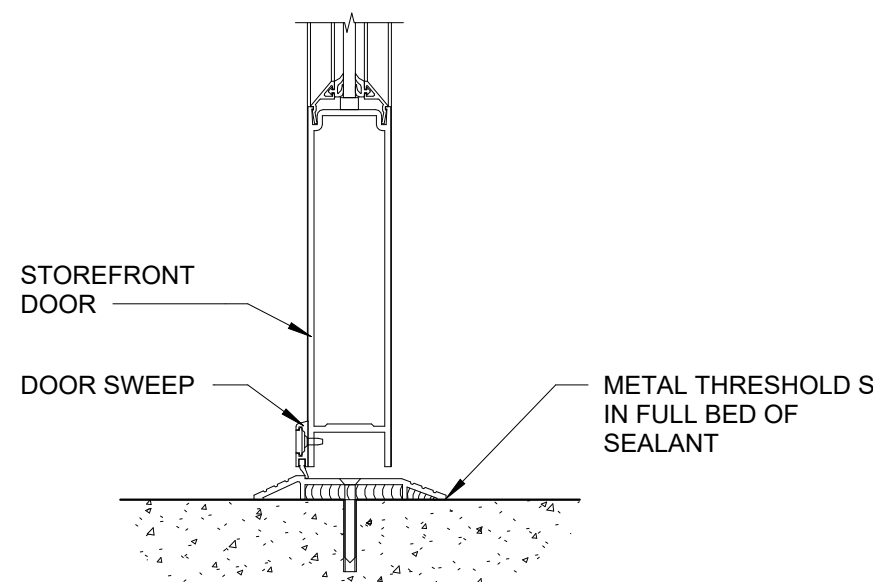
DOOR LEGEND



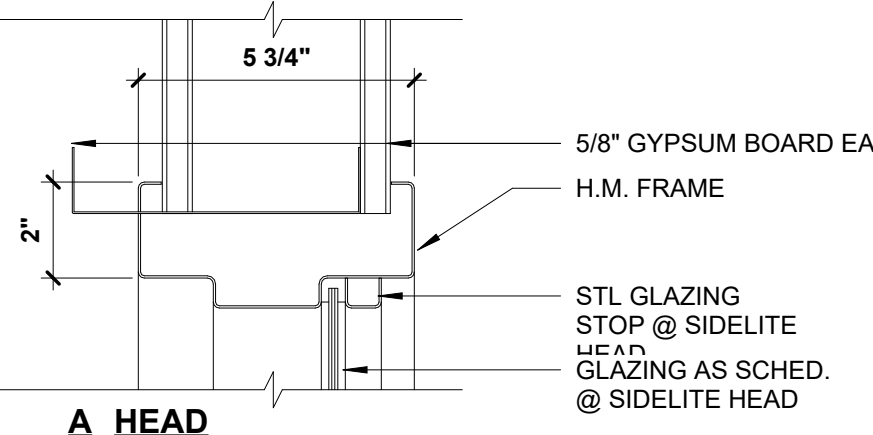
9 DETAIL @ SECTIONAL OVERHEAD DOOR
3" = 1'-0"



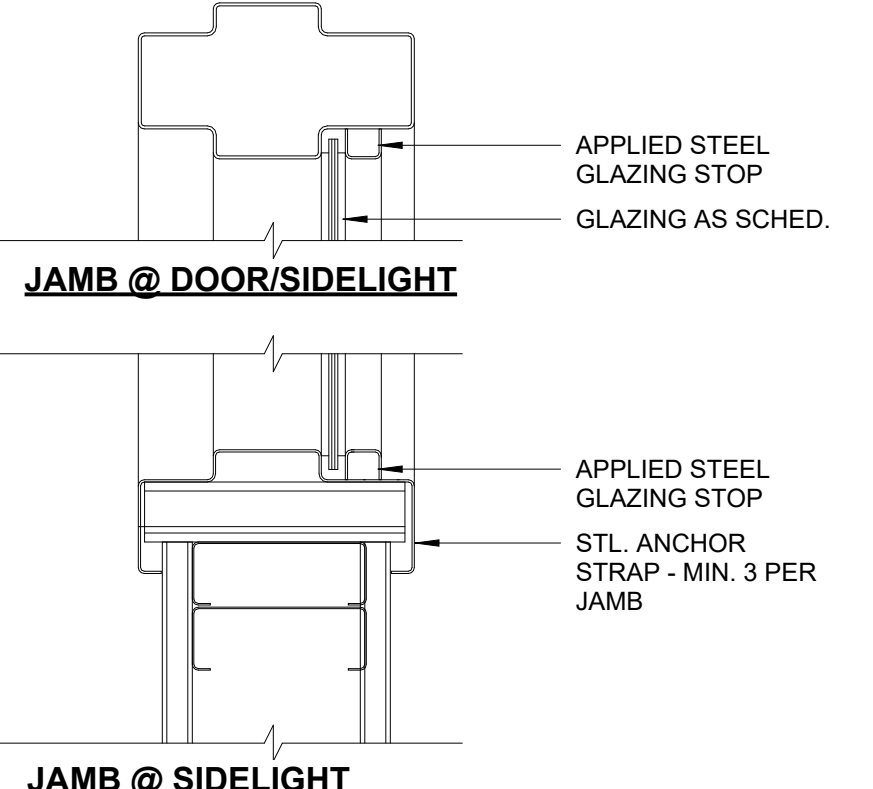
8 DETAIL @ EXTERIOR HM DOOR FRAME
3" = 1'-0"



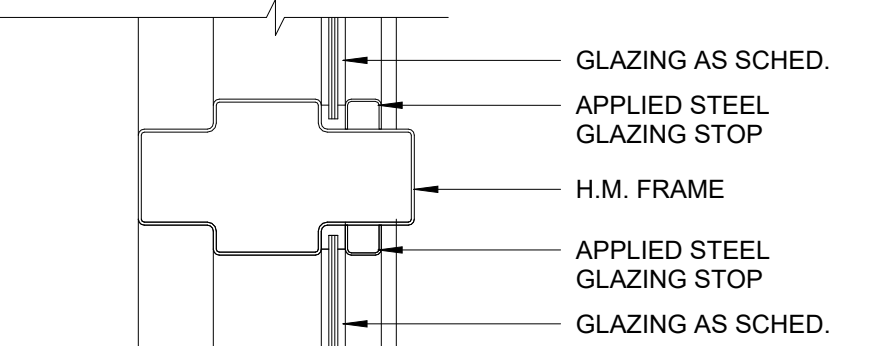
12 THRESHOLD @ STOREFRONT
3" = 1'-0"



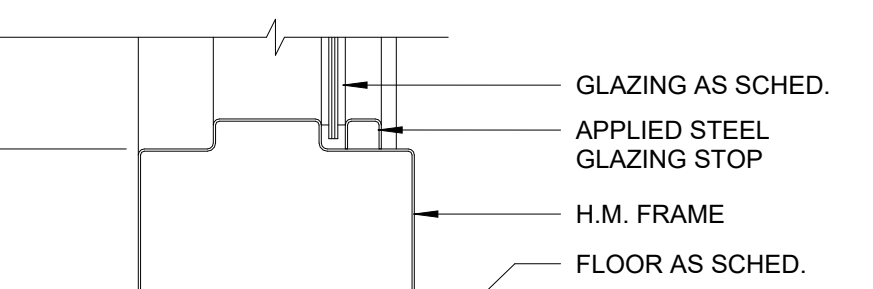
A HEAD



JAMB @ SIDELIGHT



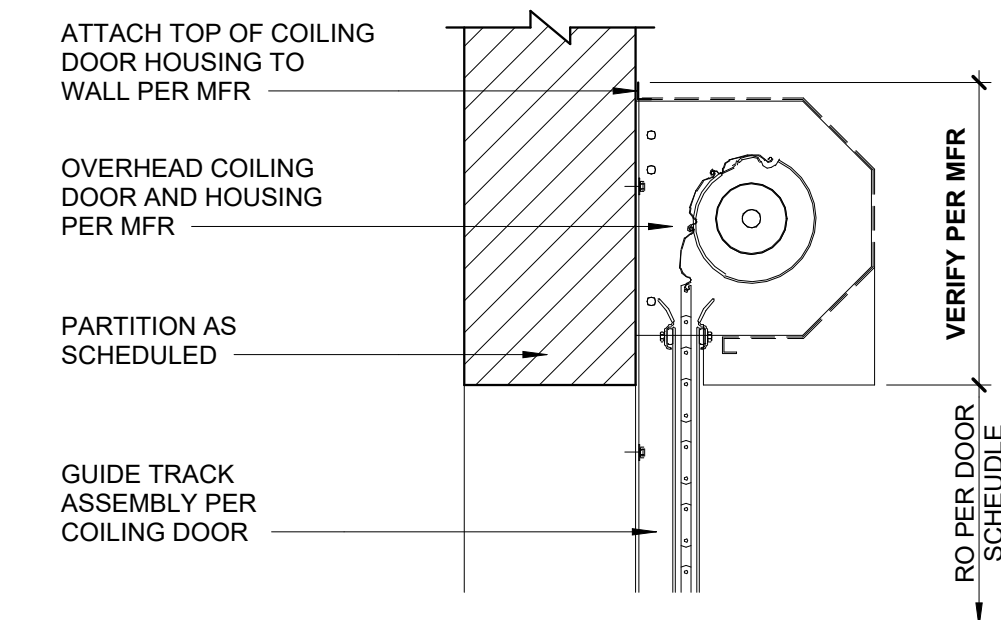
D HORIZ MULLION



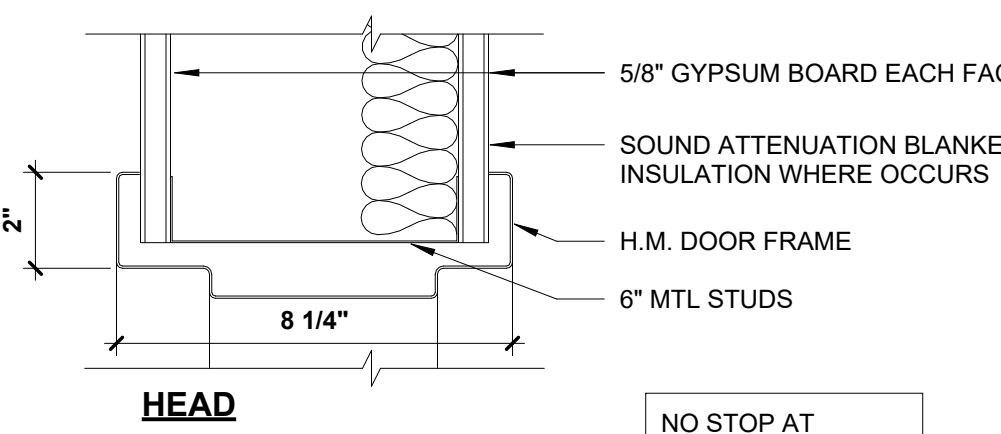
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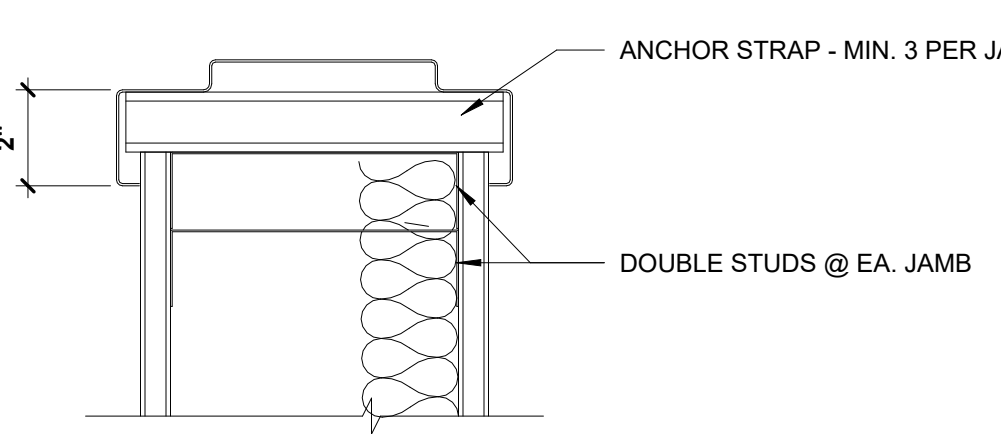
7 DOOR DETAIL - INTERIOR - H.M. @ GYPSUM ON 3 5/8" MTL STUDS W/ SIDELITE
3" = 1'-0"



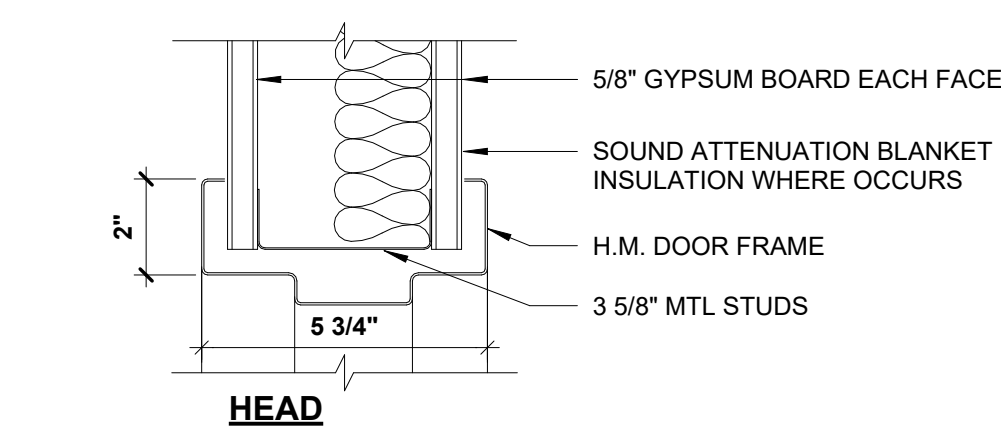
11 HEAD
1 1/2" = 1'-0"



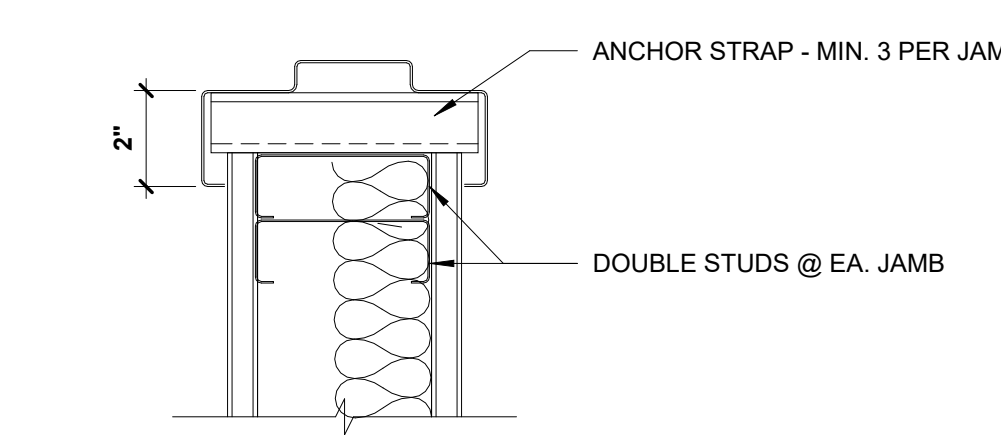
HEAD



6 JAMB DOOR DETAIL - INTERIOR - H.M. @ GYPSUM ON 6" MTL STUDS
3" = 1'-0"



HEAD

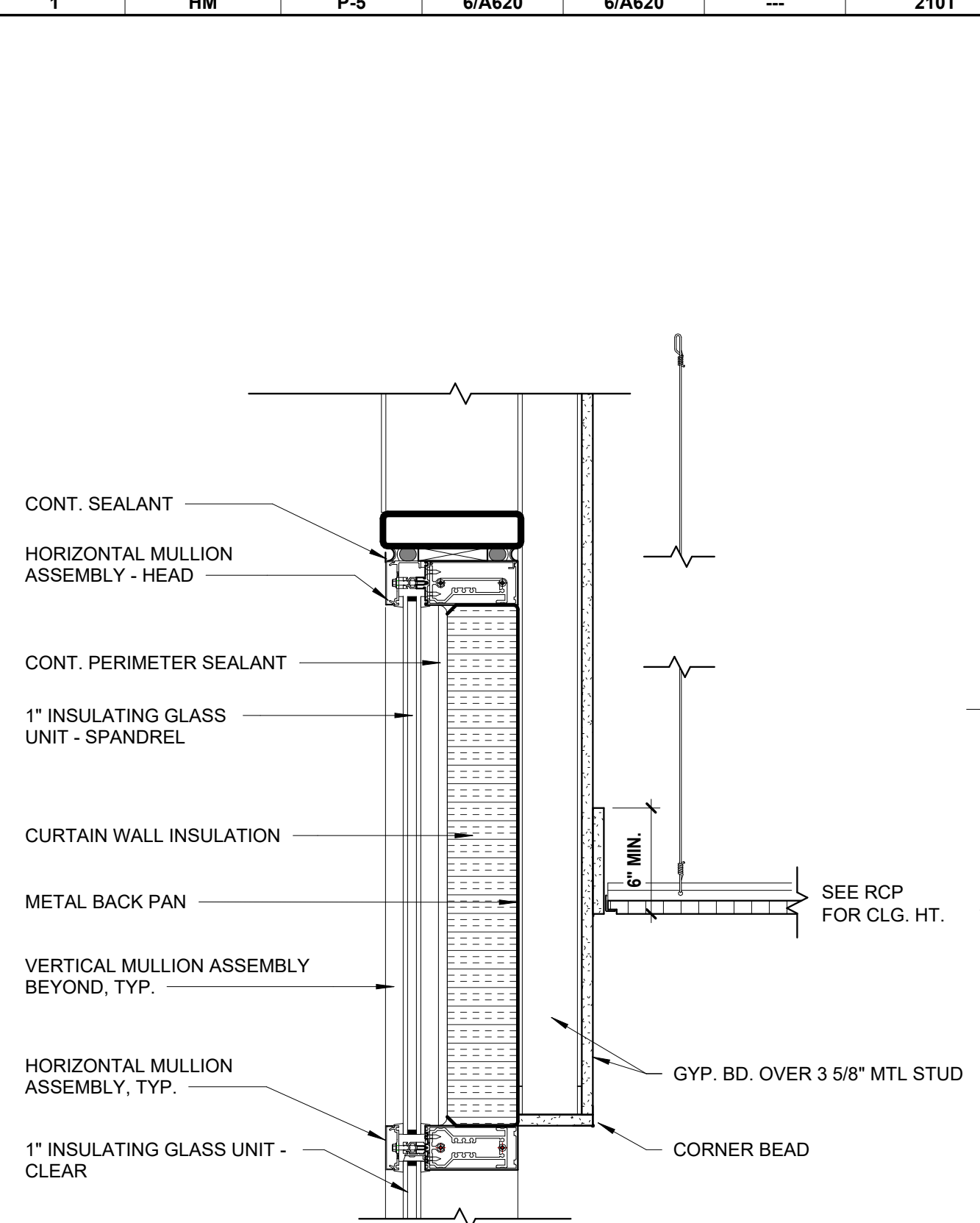


5 JAMB DOOR DETAIL - INTERIOR - H.M. @ GYPSUM ON 3 5/8" MTL STUDS
3" = 1'-0"

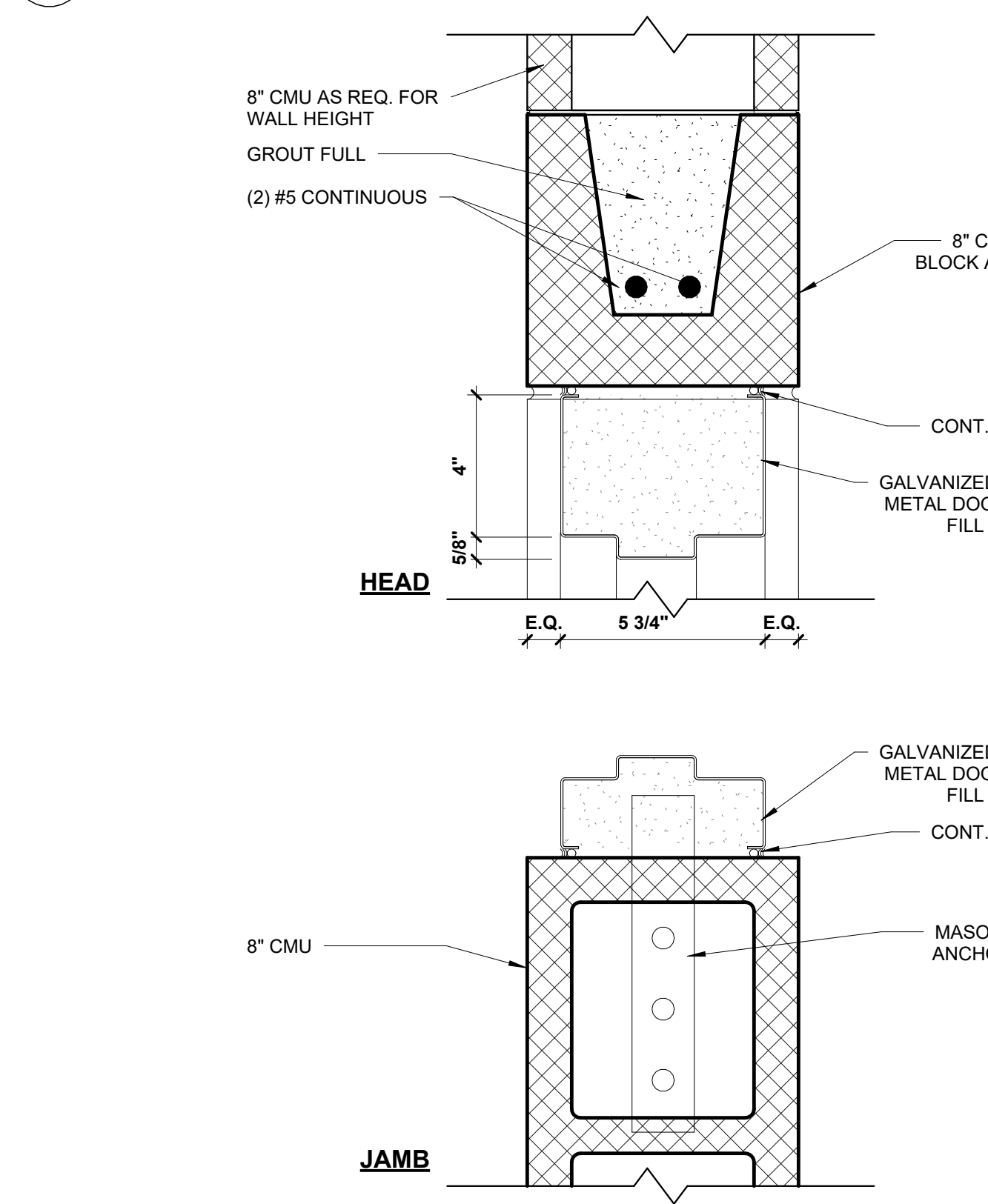
DOOR SCHEDULE 2																	
DOOR NUMBER	ROOM NAME	TYPE	WIDTH	DOOR INFORMATION				FRAME INFORMATION			HEAD	JAMB	SILL	HARDWARE	FIRE RATING	ACCESS CONTROL	COMMENTS
				HEIGHT	THICKNESS	MATERIAL	FINISH	TYPE	MATERIAL	FINISH							
100A	SHOP BAYS	S1	16'- 0"	16'- 0"	2"	---	---	---	---	---	9/A620	9/A620	9/A620	001	---	---	INSULATED
100B	SHOP BAYS	S1	16'- 0"	16'- 0"	2"	---	---	---	---	---	9/A620	9/A620	9/A620	001	---	---	INSULATED
100C	SHOP BAYS	S1	16'- 0"	16'- 0"	2"	---	---	---	---	---	9/A620	9/A620	9/A620	001	---	---	INSULATED
100D	SHOP BAYS	F	3'- 0"	8'- 0"	1 3/4"	HM	P-5	1	HM	P-5	9/A620	8/A620	8/A620	C205T	---	Yes	INSULATED
100E	SHOP BAYS	OH	8'- 0"	10'- 0"	2"	---	---	---	---	---	---	---	---	---	---	---	---
100F	SHOP BAYS	F	3'- 0"	8'- 0"	1 3/4"	HM	P-5	1	HM	P-5	8/A620	8/A620	8/A620	C205T	---	Yes	---
100G	SHOP BAYS	S1	16'- 0"	16'- 0"	2"	---	---	---	---	---	9/A620	9/A620	9/A620	001	---	---	INSULATED
100H	SHOP BAYS	S1	16'- 0"	16'- 0"	2"	---	---	---	---	---	9/A620	9/A620	9/A620	001	---	---	INSULATED
101A	SHOP BAYS	F	3'- 0"	7'- 0"	1 3/4"	HM	P-5	2	HM	P-5	4/A620	2/A620	2/A620	203	---	---	---
102A	FAB SHOP	S1	16'- 0"	16'- 0"	2"	---	---	---	---	---	9/A620	9/A620	9/A620	001	---	---	INSULATED
102B	FAB SHOP	F	6'- 0"	8'- 0"	1 3/4"	HM	P-5	1	HM	P-5	8/A620	8/A620	---	510CT	---	---	---
103A	PARTS ROOM	S1	16'- 0"	16'- 0"	2"	---	---	---	---	---	9/A620	9/A620	9/A620	001	---	---	INSULATED
103B	PARTS ROOM	F	6'- 0"	8'- 0"	1 3/4"	HM	P-5	1	HM	P-5	8/A620	8/A620	---	510CT	---	---	---
104A	OIL ROOM	OH	8'- 0"	8'- 0"	2"	---	---	---	---	---	---	---	---	001	---	---	INSULATED
104B	OIL ROOM	C	4'- 0"	7'- 0"	3/4"	HM	---	1	HM	P-5	4/A620	4/A620	---	---	---	---	---
104C	OIL ROOM	F	3'- 0"	8'- 0"	1 3/4"	HM	P-5	1	HM	P-5	8/A620	8/A620	8/A620	205T	---	Yes	---
105A	ELEC ROOM	F	3'- 0"	8'- 0"	1 3/4"	HM	P-5	2	HM	P-5	4/A620	4/A620	2/A620	785T	90	Yes	---
105B	ELEC ROOM	C	3'- 4"	8'- 1"	---	HM	P-5	1	HM	P-5	6/A620	6/A620	---	---	---	---	---
105C	EXISTING TRUCK SHED	C	3'- 4"	8'- 1"	---	HM	P-5	1	HM	P-5	6/A620	6/A620	---	---	---	---	---
106A	FIRE RISER	F	6'- 0"	7'- 0"	1 3/4"	HM	P-5	1	HM	P-5	6/A620	6/A620	2/A620	214	---	---	---
107A	ENTRY/LOCKERS	SF	3'- 0"	8'- 0 1/4"	1 3/4"	ALUM & GLASS	ANODIZED	---	ALUMINUM	---	REF WINDOW ELEV.	REF WINDOW ELEV.	REF WINDOW ELEV.	C715A	---	Yes	---
108A	CORRIDOR	B	3'- 0"	7'- 0"	1 3/4"	HM	P-5	2	HM	P-5	4/A620	4/A620	2/A620	501C	---	---	---
109A	OFFICE	F	3'- 0"	8'- 0"	1 3/4"	WOOD	---	3	HM	P-5	4/A620	4/A620	---	103T	---	---	---
110A	OFFICE	F	3'- 0"	8'- 0"	1 3/4"	WOOD	---	3	HM	P-5	4/A620	4/A620	---	103T	---	---	---
111A	JAN.	F	3'- 0"	8'- 0"	1 3/4"	WOOD	---	1	HM	P-5	4/A620	4/A620	---	203T	---	---	---
112A	TOILET	F	3'- 0"	8'- 0"	1 3/4"	WOOD	---	1	HM	P-5	4/A620	4/A620	---	341T	---	---	---
113A	TOILET/SHOWER	F	3'- 0"	8'- 0"	1 3/4"	WOOD	---	1	HM	P-5	4/A620	4/A620	---	341T	---	---	---
114A	CORRIDOR	F	3'- 0"	8'- 0"	1 3/4"	WOOD	---	3	HM	P-5	4/A620	4/A620	---	801T	---	---	---
114B	BREAK ROOM	F	3'- 0"	8'- 0"	1 3/4"	WOOD	---	3	HM	P-5	4/A620	4/A620	---	801T	---	---	---
115A	STORAGE	F	3'- 0"	8'- 0"	1 3/4"	WOOD	---	1	HM	P-5	4/A620	4/A620	---	503T	---	---	---
116A	CONSTRUCTION OFFICE	F	3'- 0"	8'- 0"	1 3/4"	HM	P-5	2	HM	P-5	4/A620	4/A620	2/A620	C785T	90	Yes	GC TO ENSURE PROPER GRADE TRANSITION FOR EGRESS
116B	CONSTRUCTION OFFICE	C	3'- 4"	8'- 0"	---	HM	P-5	1	HM	P-5	6/A620	6/A620	---	---	---	---	---
116C	EXISTING TRUCK SHED	C	4'- 4"	8'- 1"	---	HM	P-5	1	HM	P-5	6/A620	6/A620	---	---	---	---	---
117A	OFFICE	F	3'- 0"	8'- 0"	1 3/4"	WOOD	---	3	HM	P-5	4/A620	4/A620	---	103T	---	---	---
118A	SUPERVISOR OFFICE	F	3'- 0"	8'- 0"	1 3/4"	WOOD	---	3	HM	P-5	4/A620	4/A620	---	103T	---	---	---
119A	OFFICE	F	3'- 0"	8'- 0"	1 3/4"	WOOD	---	3	HM	P-5	4/A620	4/A620	---	103T	---	---	---
120A	TOILET	F	3'- 0"	8'- 0"	1 3/4"	WOOD	---	1	HM	P-5	4/A620	4/A620	---	341T	---	---	---
121A	CONSTRUCTION OFFICE	F	3'- 0"	8'- 0"	1 3/4"	WOOD	---	1	HM	P-5	4/A620	4/A620	---	801T	---	---	---
125A	WASH BAY	F	3'- 0"	8'- 0"	1 3/4"	HM	P-5	2	HM	P-5	4/A620	4/A620	2/A620	105	---	---	---
125B	WASH BAY	S1	16'- 0"	16'- 0"	2"	---	---	---	---	---	9/A620	9/A620	9/A620	001	---	---	INSULATED
125C	WASH BAY	S1	16'- 0"	16'- 0"	2"	---	---	---	---	---	9/A620	9/A620	9/A620	001	---	---	INSULATED
125D	WASH BAY	F	3'- 0"	8'- 0"	1 3/4"	HM	P-5	2	HM	P-5	4/A620	4/A620	2/A620	105	---	---	---
202A	EQUIPMENT ROOM	F	6'- 0"	8'- 0"	1 3/4"	HM	P-5	1	HM	P-5	6/A620	6/A620	---	210T	---	---	---

SHEET NOTES

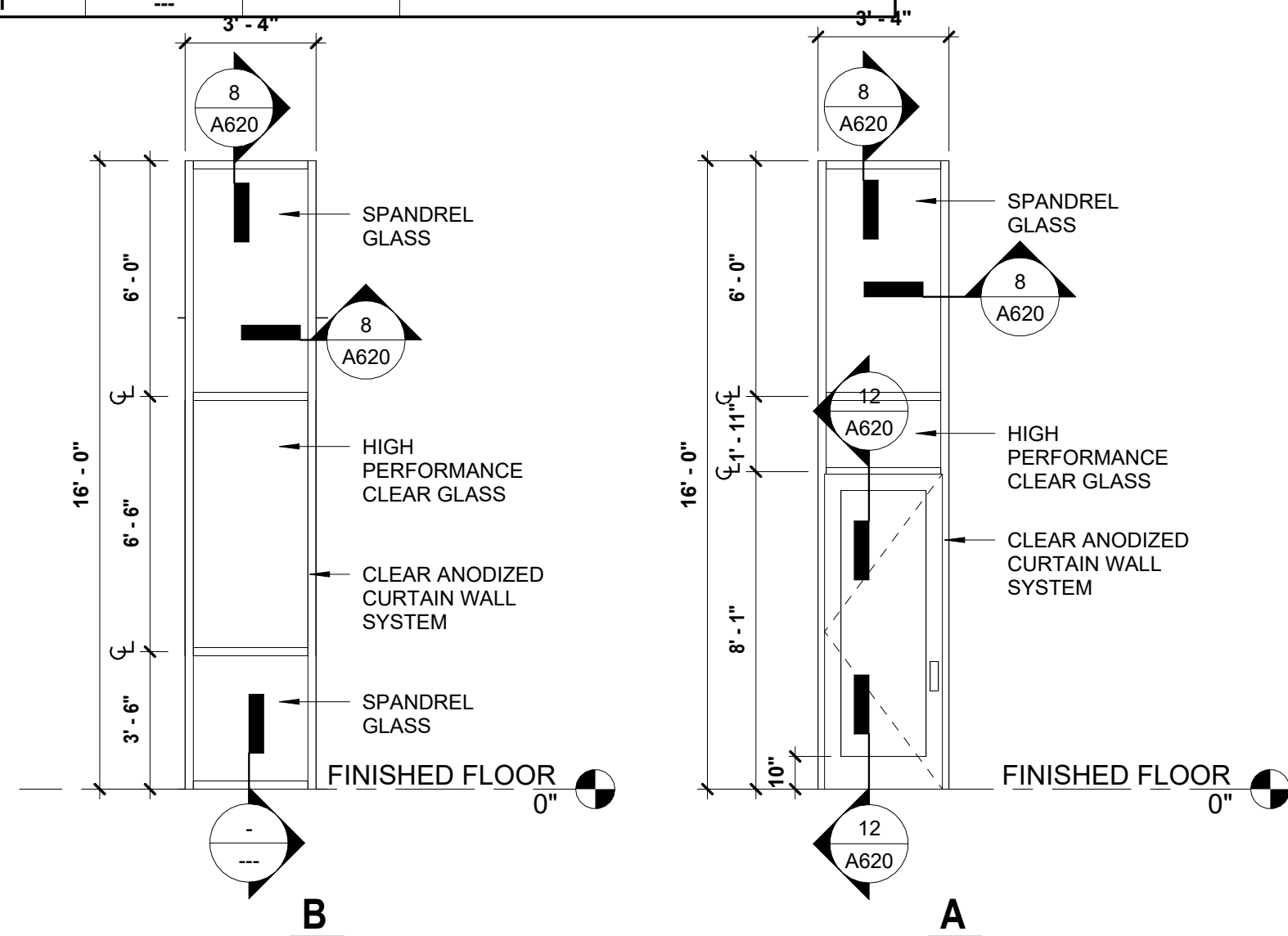
- FIELD VERIFY ALL DIMENSIONS BEFORE FABRICATION.
- DETAILS PROVIDED FOR PURPOSES OF DESIGN INTENT. VENDOR TO COORDINATE GLAZING AND FRAME SPECIFICATIONS WITH MANUFACTURER'S DETAILS AND SUBMIT COMPLETE SHOP DRAWINGS FOR REVIEW.
- PROVIDE WEATHER SEALS ON ALL EXTERIOR DOOR PER ANSI STANDARDS.
- ALL EGRESS HARDWARE TO MEET CODE REQUIREMENTS.
- HARDWARE VENDOR TO PROVIDE HARDWARE SUBMITTAL TO OWNER & ARCHITECT FOR FINAL APPROVAL - REF DOOR SCHEDULE FOR ANY OMISSIONS / CHANGES TO HARDWARE REQUIRED.
- WOOD DOORS INTERIOR FLUSH" 1 3/4" TH. SOLID PARTICLE 5-PLY CORE CONSTRUCTION. CORE SHALL BE NONRATED COMPLYING WITH AWI SECTION 1300 TYPICAL PC-PARTICLE BOARD.



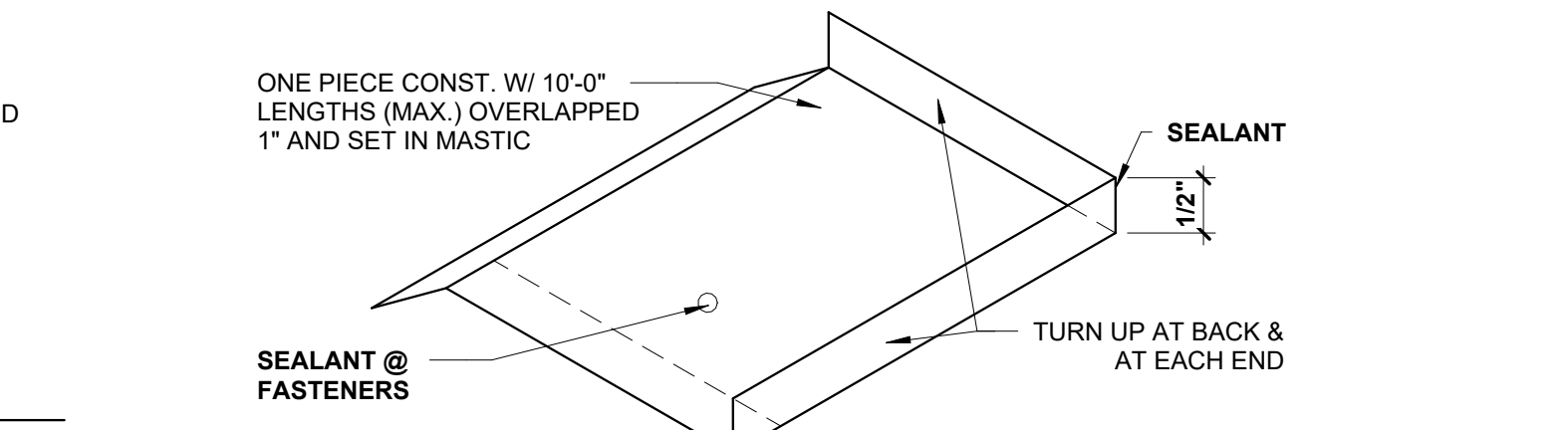
10 SPANDREL GLASS DETAIL
1 1/2" = 1'-0"



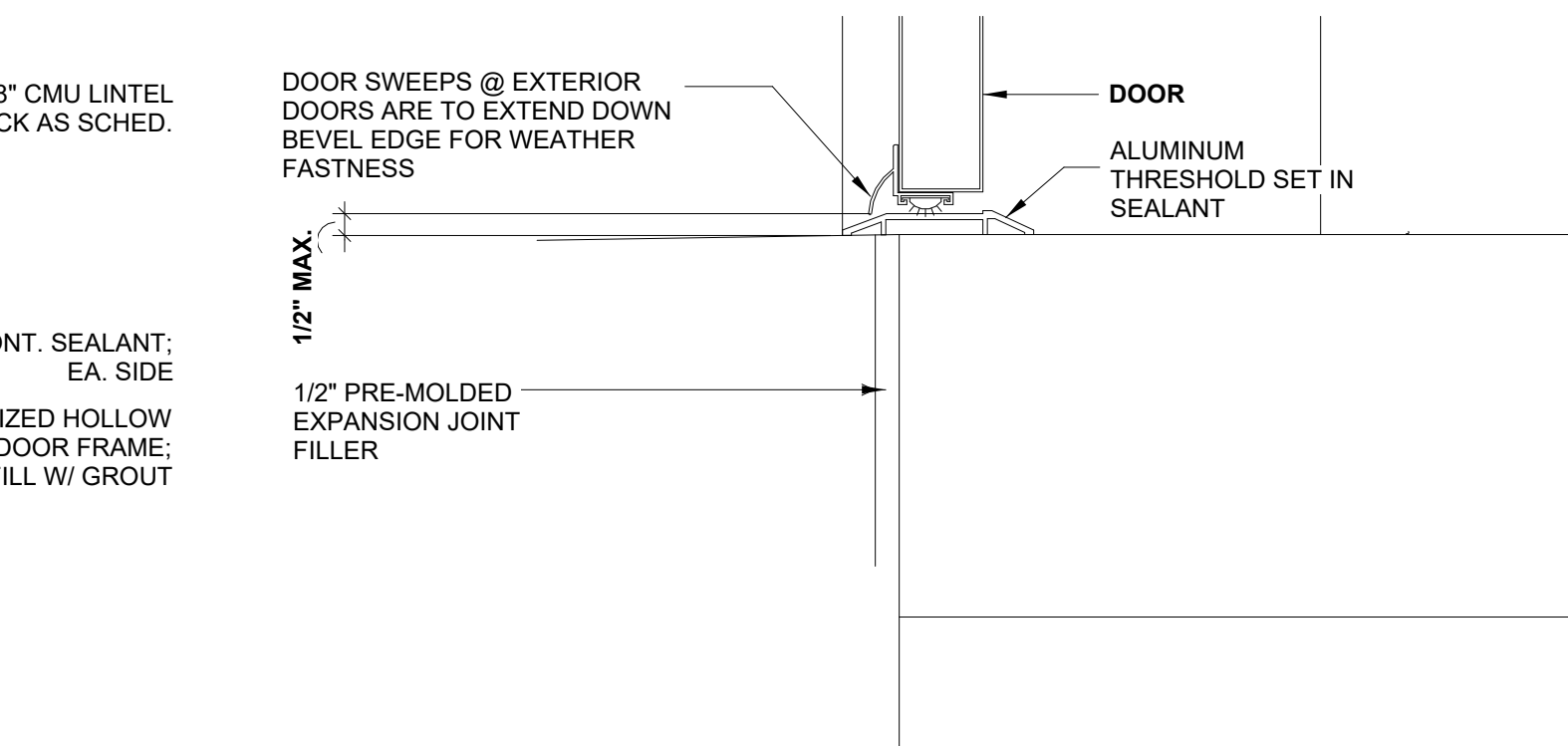
4 DOOR DETAIL - INTERIOR - H.M. @ 8" CMU
3" = 1'-0"



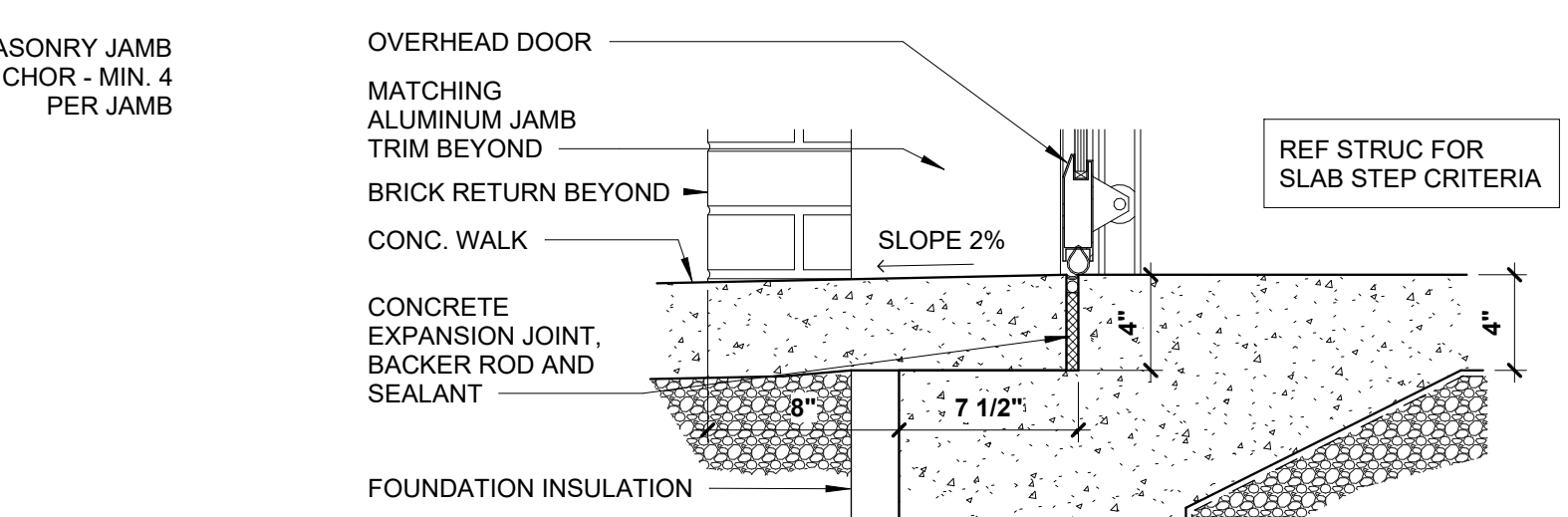
WINDOW ELEVATIONS
1/4" = 1'-0"



3 WINDOW - SUBSILL DETAIL @ ALL EXTERIOR WINDOWS
N.T.S.



2 DOOR DETAIL - EXTERIOR - TYPICAL THRESHOLD
3" = 1'-0"



1 DETAIL SECTION - THRESHOLD AT OVHD. DOOR
1 1/2" = 1'-0"

WDD ARCHITECTS

REGISTERED ARCHITECTS
DELONY
DAVIDSON, INC.
ARIZONA

CRAIGHEAD ELECTRIC
MAINTENANCE SHOP ADDITION
4314 STADIUM BLVD.
JONESBORO, ARKANSAS

PROJECT TITLE

WINDOW LEGEND, DOOR
SCHEDULE & DETAILS

CONTENTS

REVISIONS

NO.	DATE	DESCRIPTION
1	03/06/25	ADD #1
2	03/10/25	ADD #2

24-096
JOB. NO.
02.14.2025
DATE
ISSUE
A620

SHEET

24/03/2024 15:55:58 Mr. C:\Users\lms\OneDrive\work\2024\03\05 - Craighead Elec. Maintenance Shop Addition.dwg - R:\Documents\2024\11\04

ABBREVIATIONS

#XX	NUMBER	G.C.	GENERAL CONTRACTOR	PLBG	PLUMBING
A.F.F.	ABOVE FINISHED FLOOR	GA	GAUGE	PSF	POUNDS PER SQ FOOT
ADDL	ADDITIONAL	GALV	GALVANIZED	PSI	POUNDS PER SQ INCH
ADJ	ADJACENT	H.S.	HIGH STRENGTH	REINF	REINFORCEMENT
ARCH	ARCHITECTURAL	HORIZ	HORIZONTAL	REQD	REQUIRED
B.F.F.	BELOW FINISHED FLOOR	HSS	HORIZONTAL SQUARE, OR RECTANGULAR	SC	SLIP CRITICAL
BLDG.	BUILDING	INSI	INSIDE DIAMETER	SECT	SECTION
BOT.	BOTTOM	STR	STRUCTURAL TUBING	SHIT	SHEET
BTWN	BETWEEN	SIM	INSIDE DIAMETER	SIM	SIMILAR
C	STANDARD CHANNEL	S.J.	JOINT	SJW	SAWN JOINT
CFS	COLD-FORMED STEEL	K or k	KIP (1,000 LBS)	SPA	SPACE
CJ	CONTROL JOINT	KCJ	KEYED CONTROL JOINT	SO	SQUARE
CJP	COMPLETE JOINT	KSI	KIPS PER SQUARE INCH	SSL	SHORT SLOTTED HOLES
CL	PENETRATION	L	ANGLE	STD	STANDARD
CLR	CENTERLINE	LBS	POUNDS	T&B	TOP AND BOTTOM
CMU	CONCRETE MASONRY UNIT	LINEAL	LINEAL FOOT	T.O.F.	TOP OF FOOTING
COL	COLUMN	LLH	LONG LEG HORIZONTAL	T.O.S.	TOP OF STEEL or TOP OF SLAB
CONC	CONCRETE	LLV	LONG LEG VERTICAL	T.O.W.	TOP OF WALL
CONX	CONNECTION	LSL	LONG SLOTTED HOLES	TC	TENSION CONTROL
CONT	CONTINUOUS	MANUF	MANUFACTURER	THRU	THROUGH
DB	DECK BEARING	MATL	MATERIAL	TYP	TYPICAL
DBA	DEFORMED BAR ANCHOR	MAX	MAXIMUM	U.N.O	UNLESS NOTED OTHERWISE
DIA	DIAMETER	MECH	MISCELLANEOUS	VERT	VERTICAL
DTL	DETAIL	MIN	MINIMUM	VSC	VERTICAL SLIDING CLIP
E.F.	EACH FACE	MISC	MISCELLANEOUS	W	WIDE FLANGE
EA	EACH	N.T.S.	NOT TO SCALE	W.W.R.	WELDED WIRE REINF.
ELEV	ELEVATION	NS	NEAR SIDE	W	WITH
EW	EACH WAY	O.C.	ON CENTER	WP	WORK POINT
EXT	EXISTING	O.C.	OUTSIDE DIAMETER	WT	TEE SHAPE MADE FROM W SHAPE
EXP	EXPANSION	OPP	OPPOSITE	W SHAPE	SECTION/DETAIL 'X' ON SHEET 'S'-YYY
FLR	FINISHED FLOOR	P.J.	PANEL JOINT	XX#	POUNDS
FS	FAR SIDE	PAF	POWER ACTUATED	ZRC	ZIN BASE PAINT
FTG	FOOTING	PL	PLATE		

STRUCTURAL DESIGN CRITERIA

BUILDING CODE: 2021 INTERNATIONAL BUILDING CODE & ASCE 7-16		
STRUCTURAL RISK CATEGORY: II		
GRAVITY LOADS:		
LIVE LOADS		
FLOORS:	OFFICE AREAS	50 psf
	MECHANICAL ROOMS	125 psf
ROOF:	MINIMUM (NON-REDUCIBLE)	20 psf
	MECHANICAL ROOF	N/A
	GROUND SNOW LOAD	21 psf
	FLAT ROOF SNOW LOAD	13 psf
	SNOW DRIFT LOAD (MAX)	50 psf
	- SNOW LOAD IMPORTANCE FACTOR	Is = 1.0
	- SNOW EXPOSURE FACTOR	Cs = 1.0
	- THERMAL FACTOR	Ct = 1.0
DEAD LOADS:		
FLOORS:	STRUCTURAL SLAB	70 psf
ROOF:	DEAD & COLLATERAL PEMB ROOF SYSTEM	12 psf
LATERAL LOADS:		
WIND		
BASIC WIND SPEED		115 mph
EXPOSURE		B
WIND IMPORTANCE FACTOR		1.00
INTERNAL PRESSURE COEFFICIENT		+/- 0.18
SEISMIC		
SEISMIC OCCUPANCY CATEGORY	II	
SEISMIC IMPORTANCE FACTOR	Ie = 1.00	
SPECTRAL RESPONSE COEFFICIENT	Ss = 1.56	
	S1 = 0.42	
SITE CLASS	D (STIFF SOIL)	
ADJUSTED MC SPECTRAL RESPONSE	Sms = 1.22	
DESIGN SPECTRAL RESPONSE ACCELERATION	Sml = 0.41	
	Sds = 0.81	
	Sd1 = 0.28	
SEISMIC DESIGN CATEGORY	D	
BASIC SEISMIC RESISTING SYSTEM	MOMENT FRAME(S) (R=3.25)	
DESIGN BASE SHEAR	V = 0.024W	
SEISMIC RESPONSE COEFFICIENT	Cs = 0.249	
RESPONSE MODIFICATION FACTOR	R = 3.25	
ANALYSIS PROCEDURE	EQUIVALENT LATERAL FORCE PROCEDURE	
SYSTEMS AND COMPONENTS REQUIRING SPECIAL INSPECTION - SEE SPECIFICATION SECTION 014533 (IBC).		

GENERAL STRUCTURAL NOTES

2. SPECIAL INSPECTIONS:
1. QUALIFIED INSPECTORS SHALL CONDUCT SPECIAL INSPECTIONS AND TEST AND FURNISH REPORTS AS SPECIFIED IN SECTION 014533 AND IN ACCORDANCE WITH CHAPTER 17, INTERNATIONAL BUILDING CODE.
 2. THE CONTRACTOR SHALL COORDINATE THE SPECIAL INSPECTIONS AND TESTING SERVICES WITH THE PROGRESS OF THE WORK, PROVIDE THE APPROPRIATE DOCUMENTATION AND PERFORM OTHER TASKS AS SPECIFIED IN SECTION 014533 (IBC).
 3. THE CONTRACTOR IS RESPONSIBLE FOR ALL OTHER INSPECTIONS OR TESTS IN THE SPECIFICATIONS, NOT USED IN THE SCHEDULE OF SPECIAL INSPECTION SERVICES IN SECTION 014533 (IBC).
 4. THE CONTRACTOR IS RESPONSIBLE FOR THE COST OF REPAIR, REINSPECTION AND RETESTING FOR ITEMS THAT DO NOT PASS THE INSPECTIONS OR TESTS.
 5. SPECIAL INSPECTION SERVICES DO NOT RELIEVE THE CONTRACTOR OR RESPONSIBILITY FOR COMPLIANCE WITH OTHER CONSTRUCTION DOCUMENT REQUIREMENTS OR REGULATORY REQUIREMENTS.
- B. STABILITY DURING CONSTRUCTION, SHORING, AND TEMPORARY STRUCTURES:
1. PERMANENT STABILITY OF THE BUILDING AND COMPONENTS IS NOT PROVIDED UNTIL ALL THE STRUCTURAL ELEMENTS ARE INSTALLED AS SHOWN ON THE CONTRACT DRAWINGS. PROVIDE STABILITY TO ALL NON-SELF SUPPORTING ELEMENTS AND SAFETY TO ALL WORKERS, ANIMALS AND PROPERTY DURING CONSTRUCTION AND UNTIL ALL PERMANENT BRACING ELEMENTS ARE INSTALLED.
 2. WHERE SHORING AND/OR TEMPORARY STRUCTURES ARE REQUIRED IN ORDER TO SATISFY THE CONTRACT REQUIREMENTS, TEMPORARY STRUCTURES SHALL BE DESIGNED AND BUILT WITHOUT EXTRA COST TO THE CONTRACT. THE DESIGN SHALL BE DONE BY A REGISTERED PROFESSIONAL ENGINEER.
 3. BRACING USED TO STABILIZE THE BUILDING DURING THE ERECTION PROCESS SHALL BE DESIGNED TO NOT TWIST OR DISTORT MEMBERS. SPECIFICALLY, IF CABLES ARE USED THEY SHALL BE ATTACHED TO THE CENTER OF THE COLUMN AND NOT WRAPPED AROUND THE COLUMN IN A MANNER THAT WILL TWIST THE COLUMN.
 4. THE TEMPORARY BRACING USED TO STABILIZE THE BUILDING DURING THE ERECTION PHASE SHALL BE DESIGNED FOR LOADS AS REQUIRED BY THE APPLICABLE CODES. THE DESIGN OF THE BRACING SHALL TAKE INTO ACCOUNT ADDITIONAL FORCES DUE TO THERMAL CONTRACTION AND EXPANSION OF THE BUILDING FRAME AND BRACES.
 5. THE ANCHOR RODS FOR STEEL COLUMNS ARE NOT DESIGNED TO STABILIZE STRUCTURE BY PROVIDING FIXITY OF THE COLUMN BASE DURING THE ERECTION OF THE STEEL. PROVIDE TEMPORARY BRACING FOR STABILITY DURING THE ERECTION PHASE AND UNTIL ALL GRAVITY AND LATERAL LOAD RESISTING ELEMENTS ARE IN PLACE AND WELDING AND/OR BOLTING INSPECTION IS COMPLETE.
 6. COMPLY WITH OSHA SAFETY STANDARDS FOR ERECTION OF THE BUILDING FRAME.
- C. MISCELLANEOUS:
1. STRUCTURAL DRAWINGS SHALL BE USED IN CONJUNCTION WITH DRAWINGS RELATING TO OTHER TRADES. CHECK AND COORDINATE DIMENSIONS, CLEARANCES, OPENINGS, PIPE SLEEVES, CURBS, ETC. WITH THE WORK OF OTHER TRADES.
 2. PRINCIPAL OPENINGS THROUGH THE FRAMING ARE SHOWN ON THESE DRAWINGS. EXAMINE THE DRAWINGS FOR REQUIRED OPENING AND PROVIDE FOR ALL OPENINGS WHETHER SHOWN ON THESE DRAWINGS ARE NOT. AND VERIFY SIZE AND LOCATION WITH ALL SUB-CONTRACTORS. NOMINAL PIPE SLEEVES THROUGH THE DECK WILL NOT REQUIRE FRAMING UNLESS THE OPENING EXCEEDS 10 IN DIAMETER.
 3. WORK NOT INDICATED ON PART OF THE DRAWING BUT REASONABLY IMPLIED TO BE SIMILAR TO THAT SHOWN AT CORRESPONDING PLACES SHALL BE REPEATED.
 4. LOADING FOR MECHANIC ROOMS ARE BASED ON THE WEIGHTS OF ASSUMED EQUIPMENT AS INDICATED ON THE MECHANICAL DRAWINGS (INCLUDING THE WEIGHT OF CONCRETE PADS, WHERE INDICATED). ANY CHANGES IN TYPE, SIZE OR NUMBER OF ITEMS OF EQUIPMENT SHALL BE REPORTED TO THE ARCHITECT/ENGINEER FOR VERIFICATION OF THE ADEQUACY OF SUPPORTING MEMBERS PRIOR TO THE PLACEMENT OF SUCH EQUIPMENT.
 5. ALL DIMENSIONS SHALL TAKE PRECEDENCE OVER SCALE SHOWN ON PLANS, SECTIONS AND DETAILS.
 6. INSURE THAT ALL CONSTRUCTION LOADS DO NOT EXCEED THE DESIGN LIVE LOADS INDICATED ON THE STRUCTURAL DRAWINGS AND THAT THESE LOADS ARE NOT PUT ON THE STRUCTURAL MEMBERS PRIOR TO THE TIME THAT THE CONCRETE REACHES THE FULL DESIGN STRENGTH AND ALL FRAMING MEMBERS AND THEIR CONNECTIONS ARE IN PLACE.
 7. THE DETAILS SHOWN AND DESIGNATED AS "TYPICAL DETAILS" APPLY GENERALLY TO THE DRAWINGS IN ALL AREAS WHERE CONDITIONS ARE SIMILAR TO THOSE DESCRIBED IN THE DETAILS UNLESS NOTED OTHERWISE.
 8. THE DETAILS ON THE CONTRACT DRAWINGS SHALL NOT BE REVISED WITHOUT PRIOR APPROVAL BY THE ARCHITECT/ENGINEER. IF PERMITTED, THE REVISED DETAILS AND CALCULATIONS SHALL BE DONE ONLY BY A LICENSED PROFESSIONAL ENGINEER AND SUBMITTED TO THE ARCHITECT/ENGINEER FOR APPROVAL.
 9. PROVIDE SIGNS AT ROOMS/FLOORS POSTED IN A CONSPICUOUS LOCATION INDICATING THE FLOOR LIVE LOAD CAPACITY AS STATED IN THE DESIGN CRITERIA SECTION OF THIS DRAWING. THE SIGNS SHALL CONFORM TO THE REQUIREMENTS OF THE BUILDING CODE AND THE BUILDING INSPECTOR. SEE SPECIFICATION FOR GENERAL SIGN REQUIREMENTS.
 10. IF A DIFFERENT ELEVATOR IS SELECTED SUCH THAT FRAMING AND/OR FOUNDATION CHANGES ARE REQUIRED, INCLUDE AN ALLOWANCE FOR THE ENGINEER TO REDESIGN TO ACCOMMODATE THE ELEVATOR REQUIREMENTS.
 11. PRIOR TO STARTING SHOP DRAWINGS, ORDERING MATERIAL, AND PRIOR TO FABRICATION:
 - a. CHECK ALL DIMENSIONS AGAINST REQUIREMENTS OF OTHER CONTRACT DOCUMENTS
 - b. ARCHITECTURAL DIMENSIONS GOVERN
 12. RESOLVE APPARENT DEFICIENCIES, OMISSIONS, CONTRADICTION, AND AMBIGUITIES IN CONTRACT DOCUMENTS WITH ARCHITECT/ENGINEER BEFORE AFFECTED WORK PROCEEDS. FOR BID PURPOSES USE THE INTERPRETATIONS RESULTING IN THE GREATEST COST.
 13. NO MODIFICATION, ALTERATION, CORRECTION, OR REPAIR SHALL BE MADE WITHOUT PRIOR REVIEW AND ACCEPTANCE OF ARCHITECT/ENGINEER. SUBMIT DETAILS AND CALCULATIONS PREPARED BY A PROFESSIONAL ENGINEER REGISTERED IN THE STATE WHERE THE PROJECT IS LOCATED AND EMPLOYED BY THE CONTRACT. ARCHITECTURAL/ENGINEER REVIEW IS CONTRACTOR EXPENSE.
- D. FOUNDATION & EARTHWORK:
1. FOUNDATION DESIGN IS BASED UPON A PRESUMED BEARING VALUE OF 2000 PSF AND NO EXPANSIVE SOILS PRESENT AT THE SITE.
 2. BEARING MATERIAL AND BEARING VALUE OF THE FOUNDATION SOILS SHALL BE FIELD VERIFIED AFTER EXCAVATION AND PRIOR TO PLACEMENT OF CONCRETE. TESTING SHOULD BE PERFORMED BY A CERTIFIED MATERIALS TESTING LABORATORY.
 3. TAKE ADEQUATE MEASURES TO ALLOW FOR WORKING SURFACE DURING CONSTRUCTION OF FOUNDATIONS AND SLAB-ON-GRADE, SUCH AS GRAVEL BED OF ADEQUATE DEPTH, ETC.
 4. SOME UNDERCUTTING MAY BE REQUIRED DEPENDING ON TIME OF YEAR (GROUND MEASURE), COORDINATE CLEARING AND DIRT WORK WITH GEOTECHNICAL ENGINEER.
 5. BACKFILLING:
 - DO NOT PLACE BACKFILL AGAINST CONCRETE WALLS AND GRADE BEAMS UNTIL BRACING FLOORS ARE ARE IN PLACE OR ADEQUATE TEMPORARY BRACING HAS BEEN INSTALLED
 - BACKFILL IN EVEN LIFTS ALTERNATING FROM SIDE TO SIDE (IF MAX LOOSE LIFTS)
 - ALL FILL MATERIAL SHALL BE NONEXPANSIVE AND MINIMUM PLASTICITY
 - FILL SHALL BE COMPACTED TO 95% OF MODIFIED PROCTOR DENSITY PER ASTM 1587
 - COMPACTION SHALL BE ACHIEVED WITHIN -3% TO +5% OF THE OPTIMUM WATER CONTENT
- E. CONCRETE AND REINFORCING
1. MINIMUM CONCRETE COMPRESSIVE STRENGTH OF ALL CONCRETE AT 28 DAYS SHALL BE 4,000 PSI WITH A WEIGHT OF 145 PCF.
 2. MAXIMUM ALLOWABLE w/c RATIO = 0.55
 3. MAXIMUM ALLOWABLE SLUMP = 5"
 4. NO CHLORIDE ADDITIVES ALLOWED.
 5. REINFORCING :
 - BARS: ASTM A615 - GRADE 60, EXCEPT USE GRADE 40 FOR BARS NOTED (IF NOTED).
 - AS FIELD BENT.
 - SHEET MESH: ASTM A185
 6. CLEARANCE BETWEEN REINFORCING AND CONCRETE SURFACES WHICH ARE:
 - CAST AGAINST EARTH OR ROCK.....3"
 - BACKFILL IN EVEN LIFTS ALTERNATING FROM SIDE TO SIDE (IF MAX LOOSE LIFTS).....2"
 - FORMED BUT NOT EXPOSED TO WEATHER OR EARTH.....1 1/2"
 - COLUMNS, BEAMS, GIRDERS.....1 1/2"
 - WALLS, SLABS.....
 7. UNLESS OTHERWISE SHOWN IN THE ARCHITECTURAL DRAWINGS, PROVIDE 3/4" CHAMFERS AT ALL COLUMNS, BEAMS, WALLS, AND SLAB EDGES THAT ARE EXPOSED TO VIEW IN THE FINISHED STRUCTURE.
 8. REFER TO ARCHITECTURAL DRAWINGS FOR CONCRETE FINISHES. WHERE FORM FINISH IS NOT SPECIFIED, CONFORM TO REQUIREMENTS OF ACI 301 AS MODIFIED BY THE SPECIFICATIONS.
 9. MASONRY DOWELS: PROVIDE, PLACE, AND SPACE TO MATCH MASONRY VERTICAL REINFORCING.
 10. "C.J." REPRESENTS CONTROL JOINT. SAWCUT ALL CONTROL JOINTS WITHIN 8 HOURS OF POUR.
 11. PROVIDE PLAN (PER ACI RECOMMENDATIONS) FOR COLD (40°F & BELOW) OR HOT (90°F & ABOVE) WEATHER CONCRETE CURING. FOLLOW ACI RECOMMENDATIONS SPECIFIED IN ACI 308R-16 (COLD) & ACI 308R-20 (HOT WEATHER)

12. UNLESS SHOWN OR OTHERWISE NOTED, PROVIDE STANDARD HOOKS ON END OF ALL BARS EXCEPT THOSE LAPPED OR SPLICED TO A CONTINUING BAR.
13. AS PART OF CONCRETE WORK PROVIDE CONCRETE EQUIPMENT PADS, HOUSE KEEPING PADS, INERTIA BASES AND CURBS AS INDICATED ON ANY OF THE CONTRACT DRAWINGS UNLESS SPECIFIED TO BE PROVIDED UNDER OTHER DIVISIONS OF THE SPECIFICATION. UNLESS NOTED, DOWEL TO STRUCTURE BELOW WITH #4 x 0'-6" PROJECTING 3" FROM CONCRETE BELOW AT 12" O.C. EACH WAY AND REINFORCE W/ #4 @ 12" EACH WAY, TOP AND BOTTOM.
14. CONCRETE EQUIPMENT PADS, INERTIA BASES AND CURBS NOT SHOWN ON THE CONTRACT DOCUMENTS FOR THIS BID PACKAGE ARE THE RESPONSIBILITY OF THE TRADE WHO'S EQUIPMENT BEARS ON THEM OR ATTACHES TO THEM.
15. SEE ARCHITECTURAL DRAWINGS FOR DOOR AND WINDOW OPENINGS, DRIP SLOWS, REGLETS, MASONRY ANCHORS, PRECAST BEARING LEDGES, AND FOR MISCELLANEOUS EMBEDDED PLATS, BOLTS, ANCHORS, ETC.
16. SELECT FORMWORK TO PRODUCE THE FINISH REQUIRED, WHERE FINISH IS NOT SPECIFIED. FORMWORK FOR EXPOSED SURFACES SHALL BE ACI/ACR CLASS A, AND FORMWORK FOR OTHER SURFACES SHALL BE ACI 347R, CLASS C. A SURFACE IS CONSIDERED EXPOSED IF THE CONCRETE TEXTURE CAN BE SEEN BY ANYONE IN THE COMPLETED STRUCTURE.

F. STRUCTURAL STEEL

1. ROLLED AND BUILT UP SECTIONS
 - W8'S THRU W36'S - A572 GRADE 50
 - PIPES - A53-30 ksi
 - TUBES - A500 GRADE B - 46 ksi
 - BUILT-UP SHAPES - AS INDICATED
 - ALL ELSE - A36 - 36 ksi OR A572 GRADE 50
2. SPACE MEMBERS UNIFORMLY BETWEEN DIMENSIONED LOCATIONS
3. CONNECTIONS
 - WELD OR BOLT, UNLESS NOTED OTHERWISE
 - DESIGN CONNECTIONS NOT ENTIRELY DETAILED ON DRAWINGS
 - DETAILS SHOW THE RELATIONSHIP BETWEEN MEMBERS AND MAY GIVE LIMITATIONS OR CRITERIA TO BE USED IN DEVELOPING COMPLETE CONNECTION DESIGN AND DETAILS. USE CONNECTIONS FROM PART 4, AISC MANUAL, 9TH EDITION, FOR TS AND PIPE CONNECTIONS. USE CONNECTIONS FROM AISC HOLLOW STRUCTURAL SECTIONS CONNECTIONS MANUAL.
 - MINIMUM THICKNESS: ANGLES 5/16" PLATES 3/8"
4. CONNECTION DESIGN FORCES
 - BEAM CONNECTIONS
 - 1) IF SHOWN, USE 10% OF THE REACTION OF THE DRAWINGS BUT NOT LESS THAN 10 kips.
 - 2) IF NO REACTION IS SHOWN, USE 55% OF TOTAL ALLOWABLE UNIFORM LOAD CAPACITY FROM THE AISC TABLES FOR ALLOWABLE LOADS ON BEAMS BUT NOT LESS THAN 10 kips.
5. BOLTED CONNECTIONS
 - MINIMUM BOLT DIAMETER, 3/4" UNLESS NOTED.
 - TWO BOLTS MINIMUM PER CONNECTED MEMBER.
 - USE A325SS OR A490SS BOLTS FOR BRACING, MOMENT CONNECTIONS, CANTILEVERS, TENSIONS MEMBERS AND AT OVERSIZED OR SLOTTED HOLES WHERE THE FORCE ON THE JOINT IS PARALLEL TO THE LONG AXIS OF THE SLOT. USE A325N OR A490N ELSEWHERE.
 - FOR BEAM TO COLUMN CONNECTION, USE SHORT OR LONG SLOTTED HOLES AND FULLY TENSIONED BOLTS, EXCEPT USE SC BOLTS AT MOMENT CONNECTIONS.
 - OVERSIZED AND LONG SLOTTED HOLES PERMITTED ONLY WHERE SHOWN OR NOTED.
6. WELDED CONNECTIONS:
 - ELECTRODES: E70 SERIES
 - FILLET WELDS: AISC MINIMUM, BUT NOT LESS THAN 3/16", UNLESS NOTED
 - GROOVE WELDS: FULL PENETRATION, UNLESS NOTED OTHERWISE
 - WELDS ARE CONTINUOUS UNLESS NOTED OTHERWISE
- G. EMBEDDED ITEMS:

- H. ANCHORING:
 - 1. ANCHORS NOT SHOWN ON THE STRUCTURAL DRAWINGS SHALL BE PROVIDED BY THE TRADE CONTRACTOR ATTACHING TO THE ANCHOR.
 - 2. DETERMINING THE INSTALLED CAPACITY OF ANCHORS WHICH ARE NOT SHOWN ON THE STRUCTURAL DRAWINGS IS THE RESPONSIBILITY OF THE TRADE CONTRACTOR ATTACHING TO THE ANCHOR.
 - 3. LOCATING AND MISSING EMBED ITEMS IN CONCRETE IS THE RESPONSIBILITY OF THE TRADE CONTRACTOR ATTACHING TO THE ANCHOR.

- I. SUPPORT AND BRACING OF WORK NOT SHOWN ON STRUCTURAL DRAWINGS:
 - 1. SUPPORTS, BRACING, SUB-FRAMING, LIGHT GAGE FRAMING, MISCELLANEOUS STEEL, BRACKETS, CONNECTORS, AND ATTACHMENTS NOT SHOWN ON THE STRUCTURAL DRAWINGS ARE THE CONTRACTOR'S RESPONSIBILITY AND SHALL BE ENGINEERED AND PROVIDED BY THE TRADE CONTRACTOR WITH ITEMS BEING SUPPORTED OR BRACED AT THE TRADE CONTRACTOR'S EXPENSE.
 - 2. IF STRUCTURAL DRAWINGS REFERENCED BY OTHER DRAWINGS FOR ITEMS NOT FULLY DEFINED ON STRUCTURAL DRAWINGS (AND ASSOCIATED SPECIFICATIONS) THEN ENGINEER AND PROVIDE SUCH ITEMS ON A PERFORMANCE BASIS IN COMPLIANCE WITH THE GOVERNING BUILDING CODE. ALL COSTS SHALL BE BORN BY THE TRADE CONTRACTOR ATTACHING TO OR BEARING UPON SUCH ITEMS.
 - 3. SUPPORT AND BRACING SYSTEMS SHALL NOT TRANSMIT LATERAL LOADS TO COLUMNS BETWEEN FLOORS OR TO THE BOTTOMS OR SIDES OF STEEL BEAMS OR JOISTS. IF OTHER CONTRACT DRAWINGS INDICATE BRACING OR ATTACHMENT DETAILS WHICH WOULD RESULT IN LATERAL LOADS BEING TRANSMITTED TO THE SIDE OF COLUMNS BETWEEN FLOORS OR TO THE BOTTOMS OR SIDES OF BEAMS OR JOISTS THEN THE TRADE CONTRACTOR RESPONSIBLE FOR THE ITEMS TRANSMITTING SUCH LATERAL LOADS INCLUDE THE COST IN HIS BID FOR ENGINEERING AND PROVIDING BRACING TO THE TOP OF FLANGE OF THE NEXT ADJACENT BEAM OR JOIST.

- FACADE AND WALL SYSTEMS ATTACHMENTS TO THE STRUCTURE:
- SHALL NOT ASSUME THE STRUCTURE PROVIDES MOMENT RESISTANCE AT THE POINT OF ATTACHMENT.
 - SHALL BE TO THE EDGE OF THE FLOOR SLAB OR ROOF DECK ONLY UNLESS NOTED ONT THE STRUCTURAL DRAWINGS.
 - SHALL NOT RESTRICT INDEPENDENT VERTICAL OR LATERAL MOVEMENT OF THE BUILDING LEVELS.

f _c = 3,000 psi		SPLICE LENGTH (in)			
		TOP BARS (alpha = 1.3)		OTHER BARS (alpha = 1.0)	
		CASE 1	CASE 2	CASE 1	CASE 2
#3	A	22	33	17	25
	B	28	42	22	33
#4	A	29	43	22	33
	B	38	56	29	43
#5	A	36	54	28	42
	B	47	70	36	54
#6	A	43	65	33	50
	B	56	84	43	65
#7	A	63	94	48	72
	B	81	122	63	94
#8	A	72	107	45	63
	B	93	139	72	107
#9	A	81	121	62	93
	B	105	157	81	121
#10	A	91	136	70	105
	B	118	177	91	136
#11	A	101	151	78	116
	B	131	196	101	151

f _c = 4,000 psi		SPLICE LENGTH (in)			
		TOP BARS (alpha = 1.3)		OTHER BARS (alpha = 1.0)	
		CASE 1	CASE 2	CASE 1	CASE 2
#3	A	19	28	15	22
	B	25	37	19	28
#4	A	25	37	19	29
	B	33	49	25	37
#5	A	37	56	29	43
	B	41	61	31	47
#6	A	37	56	29	43
	B	49	73	37	56
#7	A	54	81	42	63
	B	71	106	54	81
#8	A	62	93	48	72
	B	81	121	62	93
#9	A	70	105	54	81
	B	91	136	70	105
#10	A	79	118	61	91
	B	102	153	79	118
#11	A	87	131	67	101
	B	114	170	87	131



CRAIGHEAD ELECTRIC
MAINTENANCE SHOP ADDITION
4314 STADIUM BLVD.
JONESBORO, ARKANSAS

PROJECT TITLE

STRUCTURAL NOTES

CONTENTS

REVISIONS

NO.	DATE	DESCRIPTION
1	03/06/25	ADD #1
2	03/10/25	ADD #2

24-096

JOB NO.

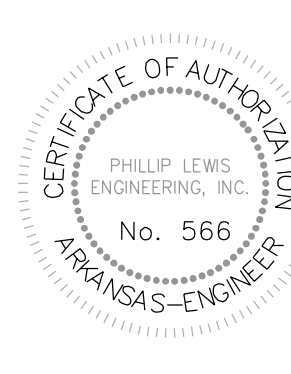
02.14.2025

DATE

ISSUE SET

S100

SHEET



NO.	DATE	DESCRIPTION
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2	03/10/25	ADD #2

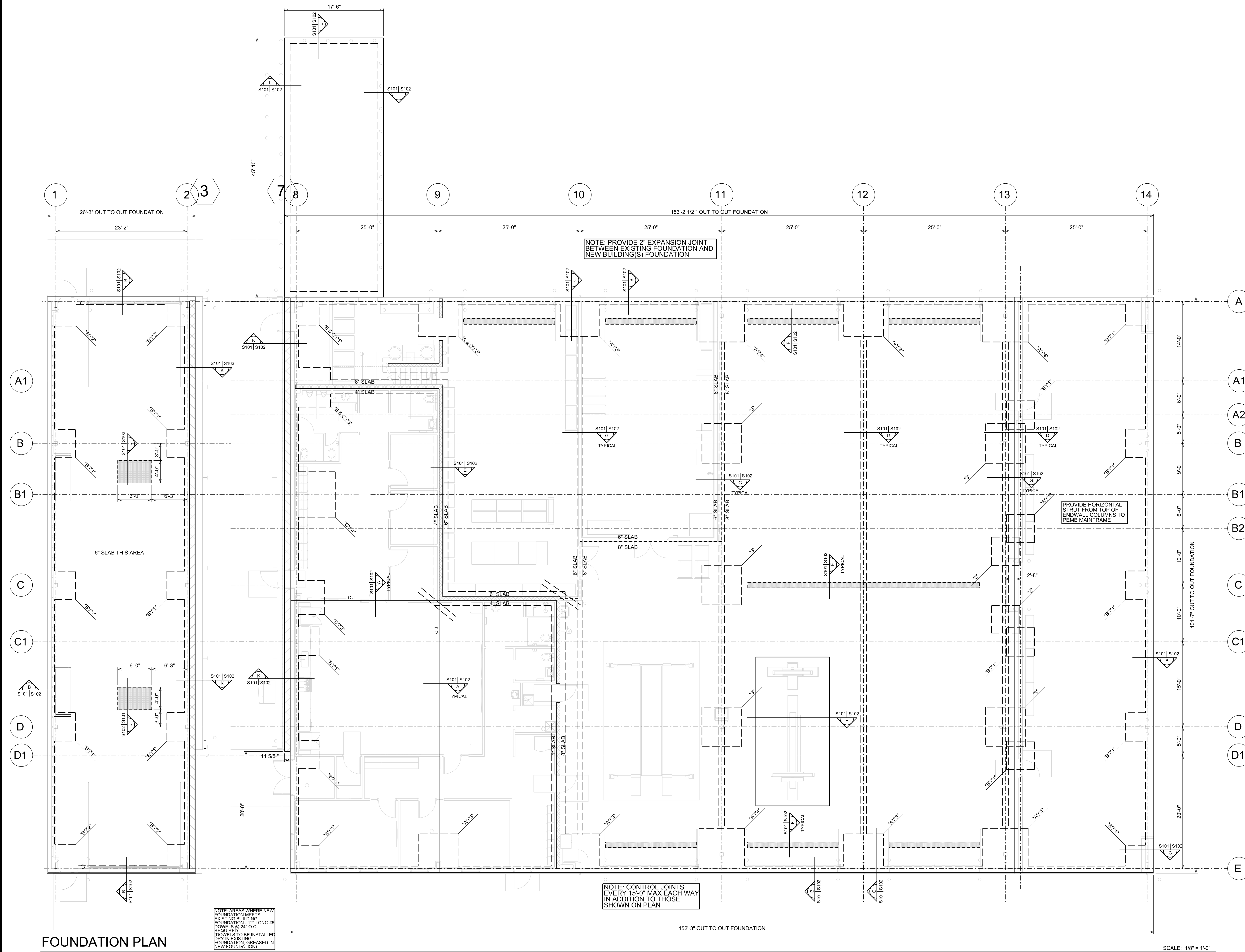
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JOB NO.

02.14.2025

DATE

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FOUNDATION PLAN

STRUCTURAL NOTES/SPECIFICATIONS

A. CONCRETE AND REINFORCING

1. MINIMUM CONCRETE COMPRESSIVE STRENGTH OF ALL CONCRETE AT 28 DAYS SHALL BE 4,000 PSI WITH A WEIGHT OF 145 PCF
2. MAXIMUM ALLOWABLE w/c RATIO = 0.55
3. MAXIMUM ALLOWABLE SLUMP = 5"
4. NO CHLORIDE ADDITIVES ALLOWED.
5. REINFORCING :
 - BARS : ASTM A615 - GRADE 60, EXCEPT USE GRADE 40 FOR BARS NOTED (IF NOTED), AS FIELD BENT.
 - SHEET MESH: ASTM A185
6. CLEARANCE BETWEEN REINFORCING AND CONCRETE SURFACES WHICH ARE:
 - CAST AGAINST EARTH OR ROCK : 3"
 - FORMED AND EXPOSED TO WEATHER OR EARTH : 2"
 - FORMED BUT NOT EXPOSED TO WEATHER OR EARTH : 1"
 - COLUMNS, BEAMS, GIRDERS : 1 1/2"
 - WALLS, SLABS : 3/4"
7. MAXIMUM WATER/ CEMENT RATIO = 0.55 AND MAXIMUM SLUMP OF 5"
8. UNLESS OTHERWISE SHOWN IN THE ARCHITECTURAL DRAWINGS, PROVIDE 3/4" CHAMFERS AT ALL COLUMNS, BEAMS, WALLS, AND SLAB EDGES THAT ARE EXPOSED TO VIEW IN THE FINISHED STRUCTURE.
9. REFER TO ARCHITECTURAL DRAWINGS FOR CONCRETE FINISHES. WHERE FORM FINISH IS NOT SPECIFIED, CONFORM TO REQUIREMENTS OF ACI 301 AS MODIFIED BY THE SPECIFICATIONS.
10. "C.J." REPRESENTS CONTROL JOINT. SAWCUT ALL CONTROL JOINTS WITHIN 8 HOURS OF POUR.
11. PROVIDE PLAN (PER ACI RECOMMENDATIONS) FOR COLD (40°F & BELOW) OR HOT (90°F & ABOVE) WEATHER CONCRETE CURING. FOLLOW ACI RECOMMENDATIONS SPECIFIED IN ACI 306R-16 (COLD) & ACI 305R-20 (HOT WEATHER)

FOOTING SCHEDULE

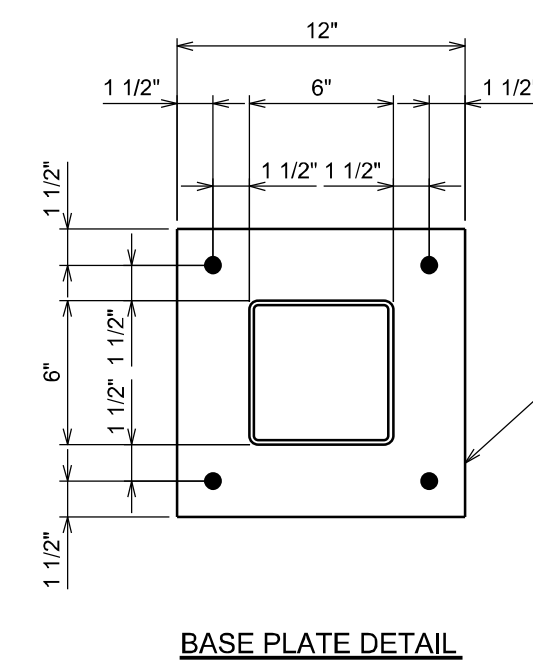
1	5'-0"x5'-0"x2'-0" THK	W(6) - #5 EACH WAY
2	6'-0"x6'-0"x2'-0" THK	W(7) - #5 EACH WAY
3	7'-0"x7'-0"x2'-0" THK	W(8) - #5 EACH WAY
4	8'-0"x8'-0"x2'-0" THK	W(9) - #5 EACH WAY

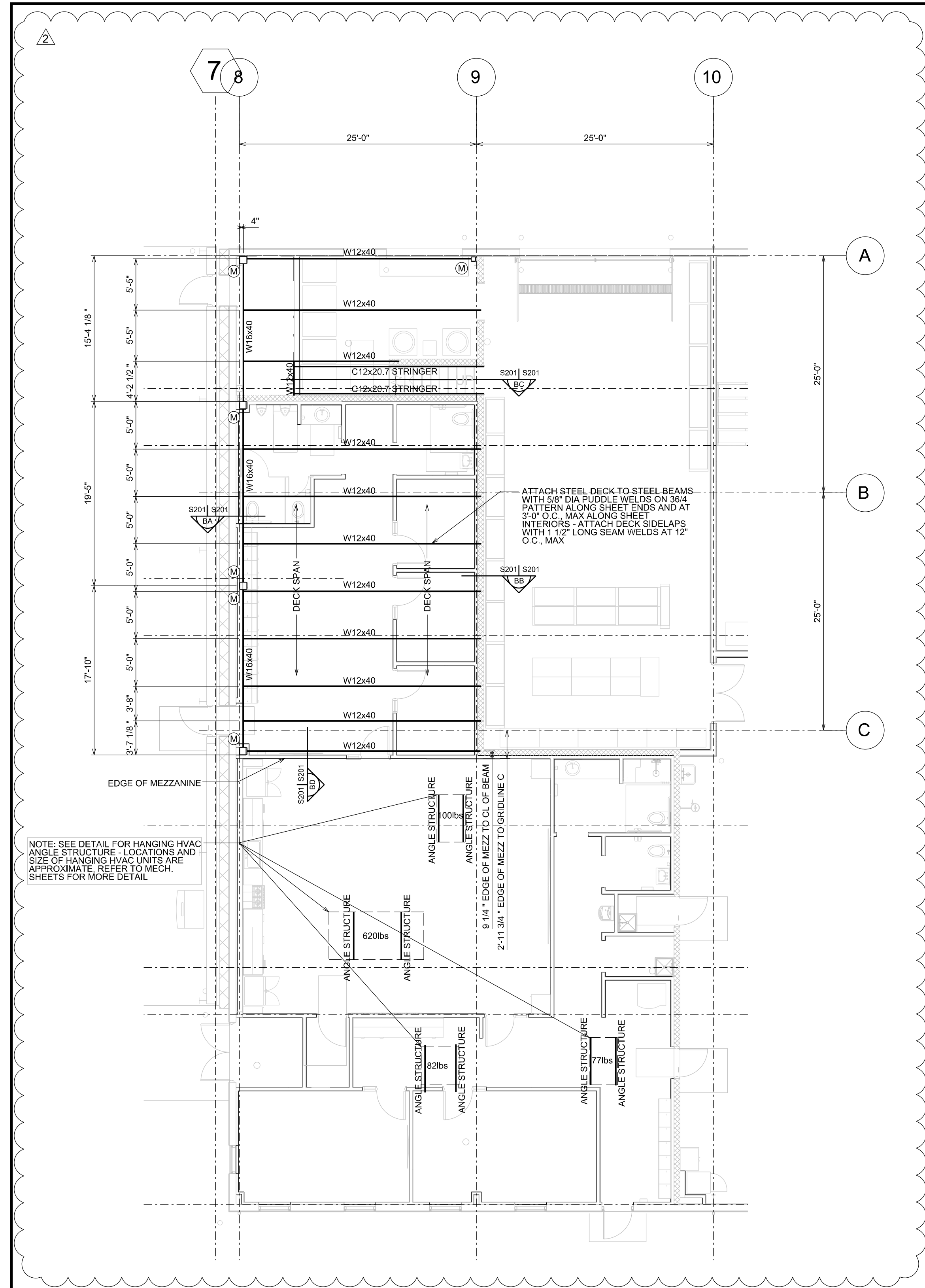
FOOTING
COLUMN

COLUMN SCHEDULE

A	PRE-ENGINEERED MAIN FRAME COLUMN
B	PRE-ENGINEERED ENDWALL COLUMN
C	HSS 8x8x8" COLUMN W/ 12"x12"x3/4" THK BASEPLATE
D	HSS 6x6x3/8" COLUMN W/ 12"x12"x3/4" THK BASEPLATE

ALL COLUMNS TO HAVE (4 MINIMUM) - 3/4" DIA ASTM F1554 (GRADE 36) ROD (THREADED AS NEEDED) 1'-3" LONG WITH DOUBLE NUT AND WASHERS ON BOTTOM OF ANCHOR BOLTS



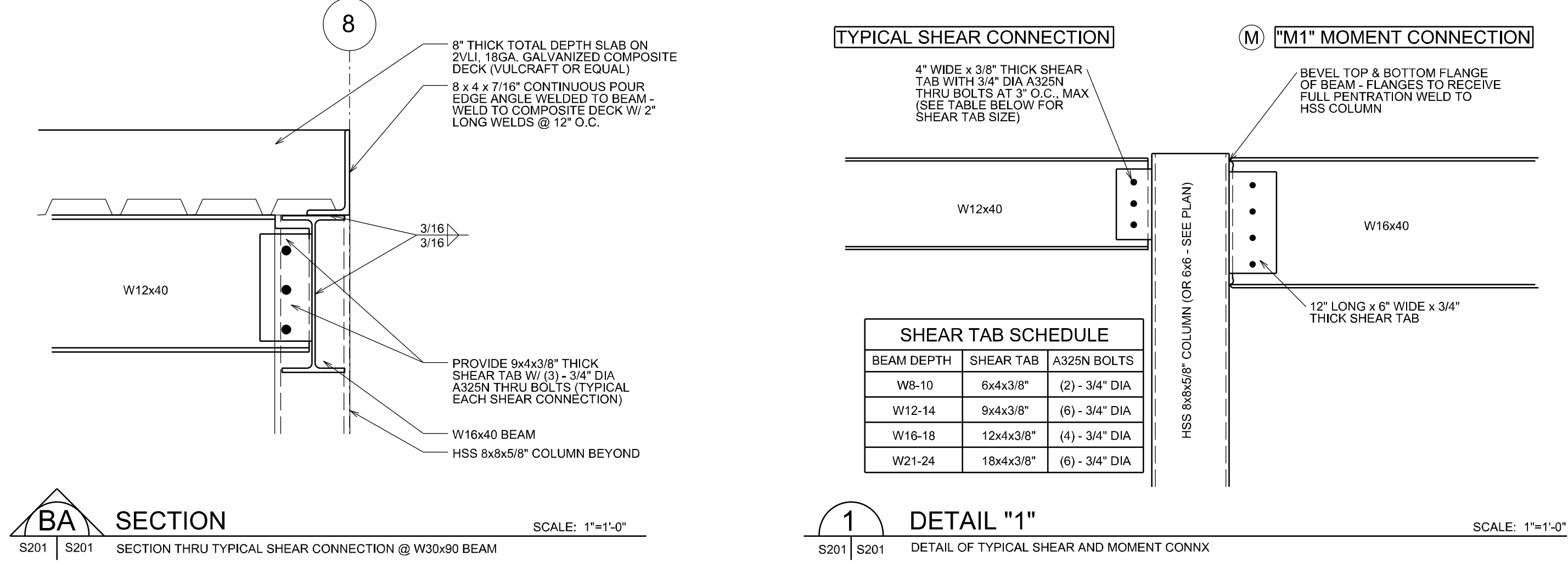
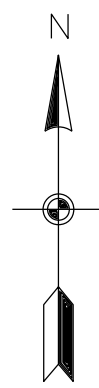


MEZZANINE FRAMING PLAN & PARTIAL HVAC SUPPORT PLAN

1. MEZZANINE FRAMING DESIGNED FOR THE FOLLOWING LOADS:
- 100 PSF - DEAD AND COLLATERAL LOADS
 - 125 PSF - LIVE LOAD
2. (M) DENOTES BEAM TO COLUMN "MOMENT" CONNECTION

STRUCTURAL NOTES

- A. STRUCTURAL STEEL
- ROLLED AND BUILT UP SECTIONS:
 - W8'S THRU W36'S - A572 GRADE 50
 - PIPES - A53 - 35 KSI
 - TUBES - A500 GRADE B - 46 KSI
 - BUILT-UP SHAPES - AS INDICATED
 - ALL ELSE - A36 - 36 KSI OR A572 GRADE 50
 - CONNECTIONS:
 - WELD OR BOLT, UNLESS NOTED OTHERWISE
 - DESIGN CONNECTIONS NOT ENTIRELY DETAILED ON DRAWINGS
 - DETAILS SHOW THE RELATIONSHIP BETWEEN MEMBERS AND MAY GIVE LIMITATIONS OR CRITERIA TO BE USED IN DEVELOPING COMPLETE CONNECTION DESIGN AND DETAILS. USE CONNECTIONS FROM PART 4, AISC MANUAL, 9TH EDITION, FOR TS AND PIPE CONNECTIONS
 - USE CONNECTIONS FROM AISC HOLLOW STRUCTURAL SECTIONS CONNECTIONS MANUAL
 - MINIMUM THICKNESS: ANGLES 5/16", PLATES 3/8"
 - WELDED CONNECTIONS:
 - ELECTRODES: 370 SERIES
 - FLUET WELDS: AISC MINIMUM BUT NOT LESS THAN 3/16", UNLESS NOTED
 - GROOVE WELDS: FULL PENETRATION, UNLESS NOTED OTHERWISE
 - WELDS ARE CONTINUOUS UNLESS NOTED OTHERWISE

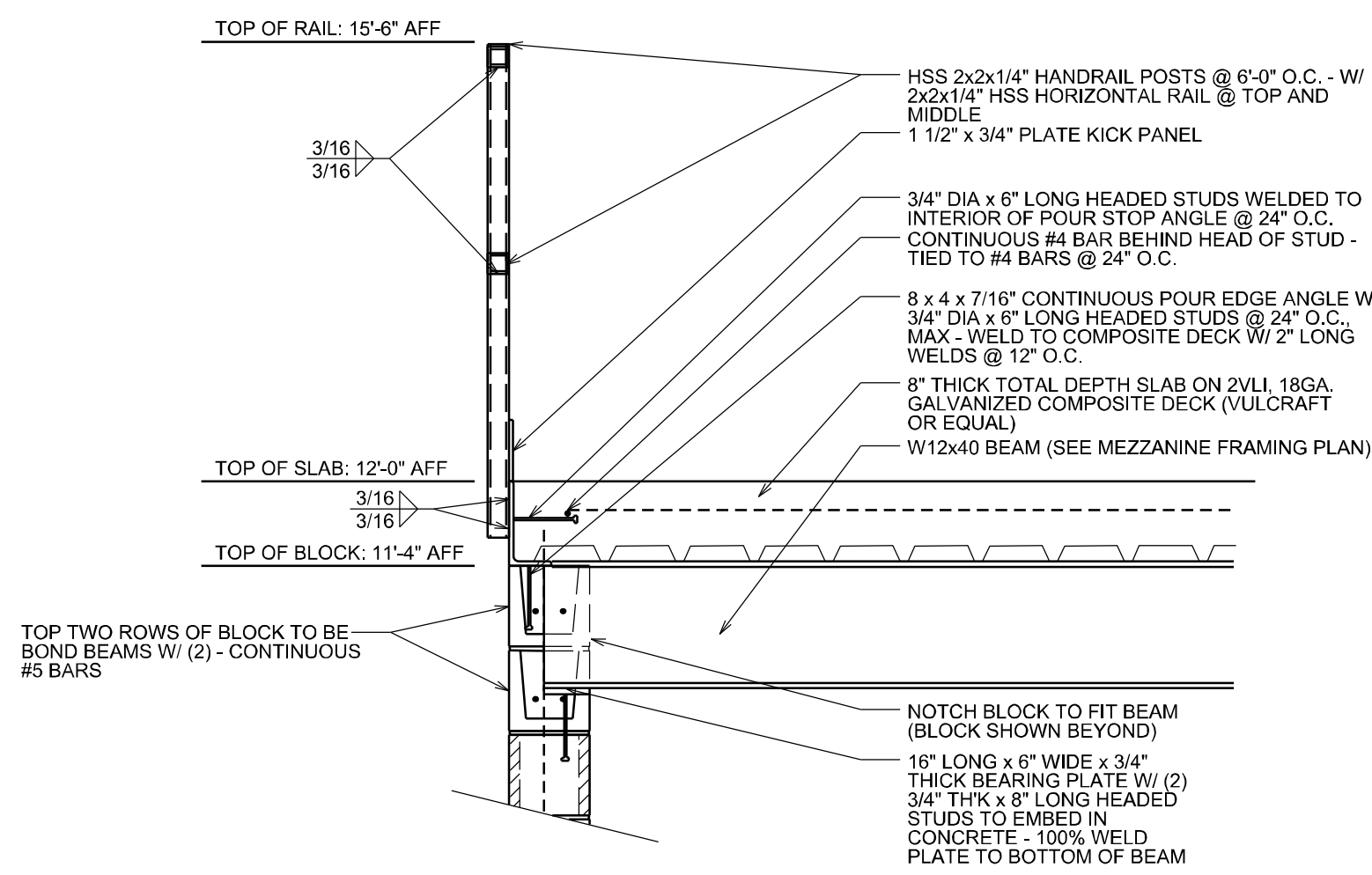


BA SECTION

S201 S201 SECTION THRU TYPICAL SHEAR CONNECTION @ W30x40 BEAM SCALE: 1"=1'-0"

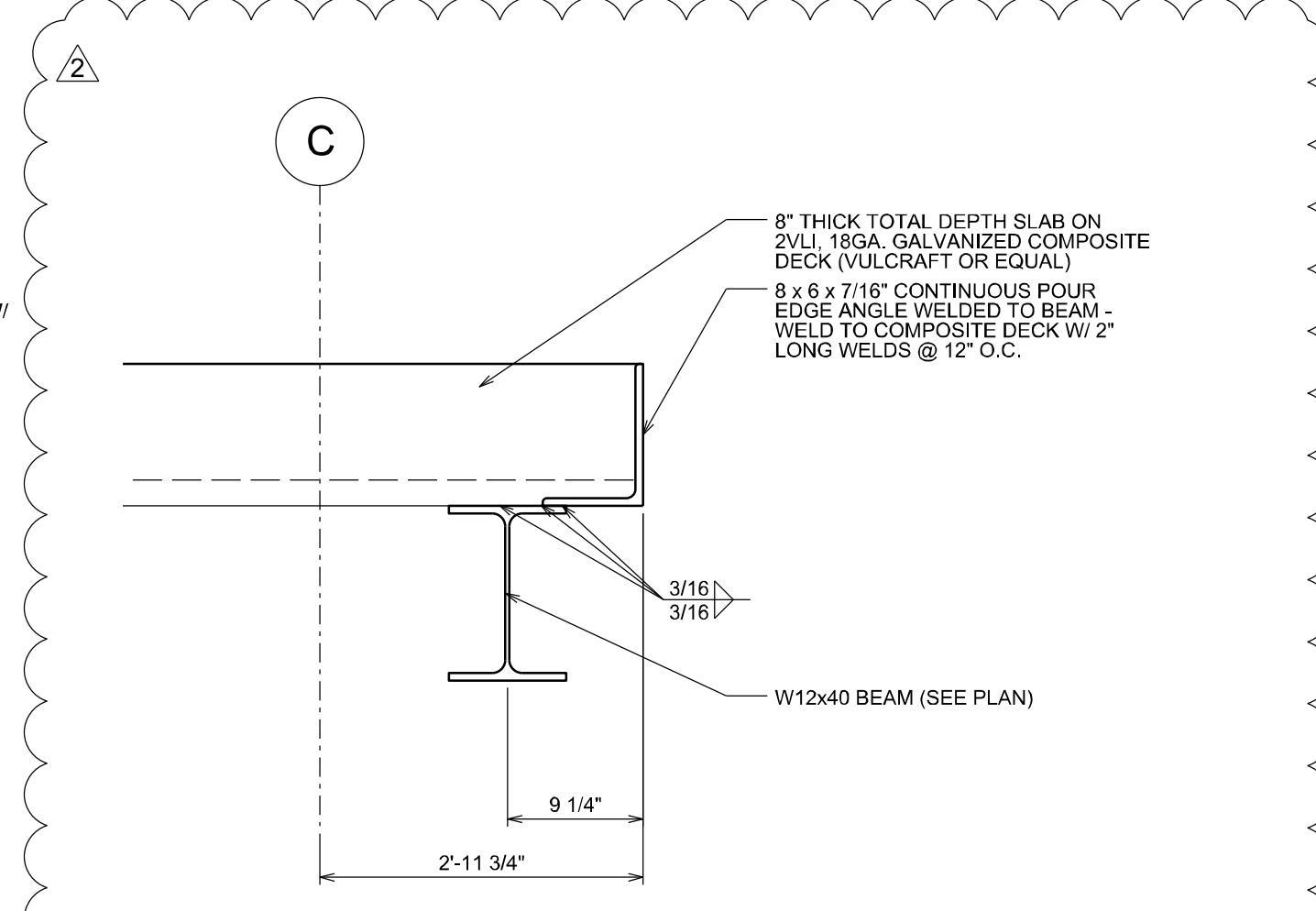
1 DETAIL "1"

S201 S201 DETAIL OF TYPICAL SHEAR AND MOMENT CONNX SCALE: 1"=1'-0"



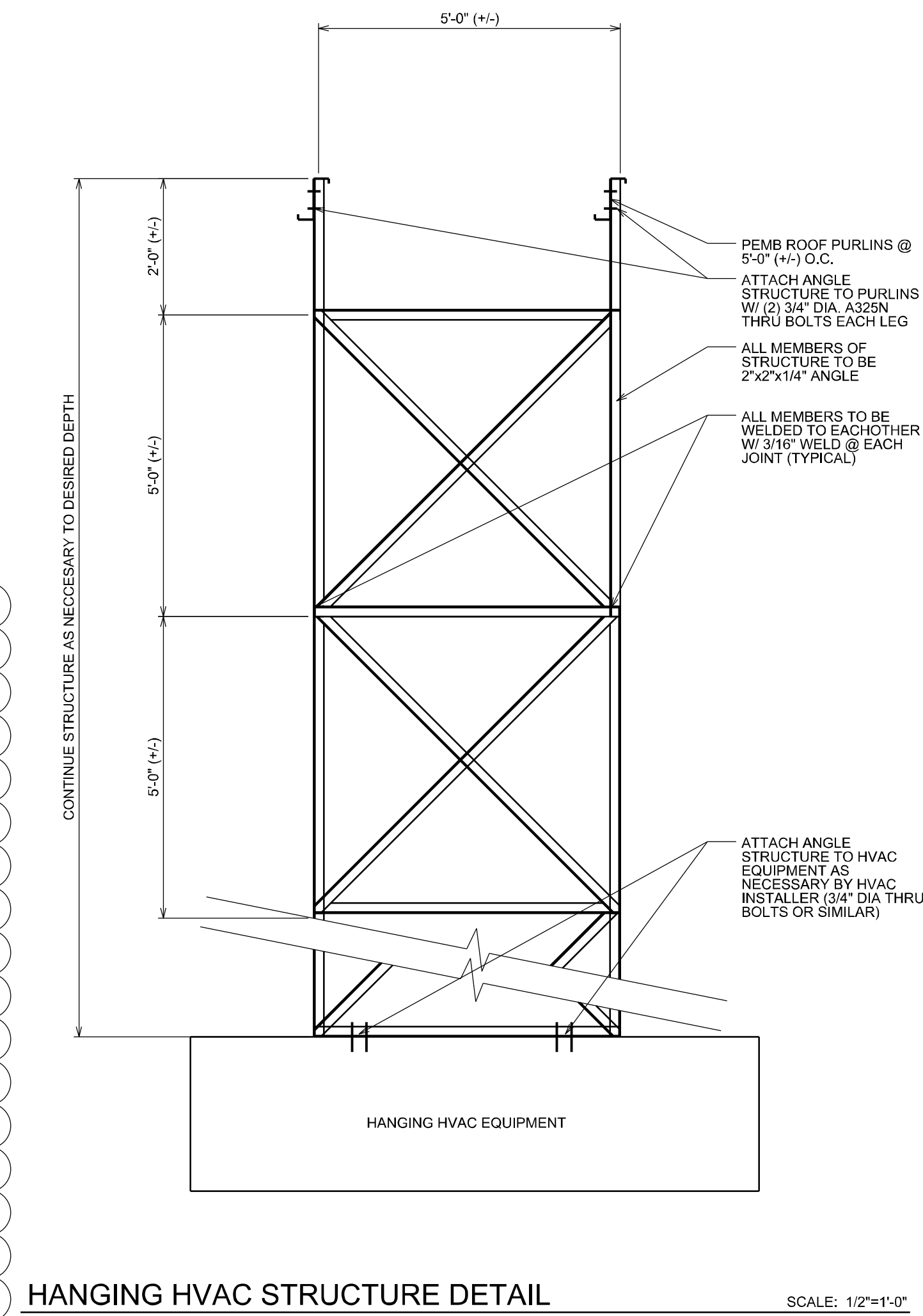
BB SECTION

S201 S201 SECTION THRU SUSPENDED SLAB @ BEAM TO CMU WALL CONNECTION SCALE: 1"=1'-0"



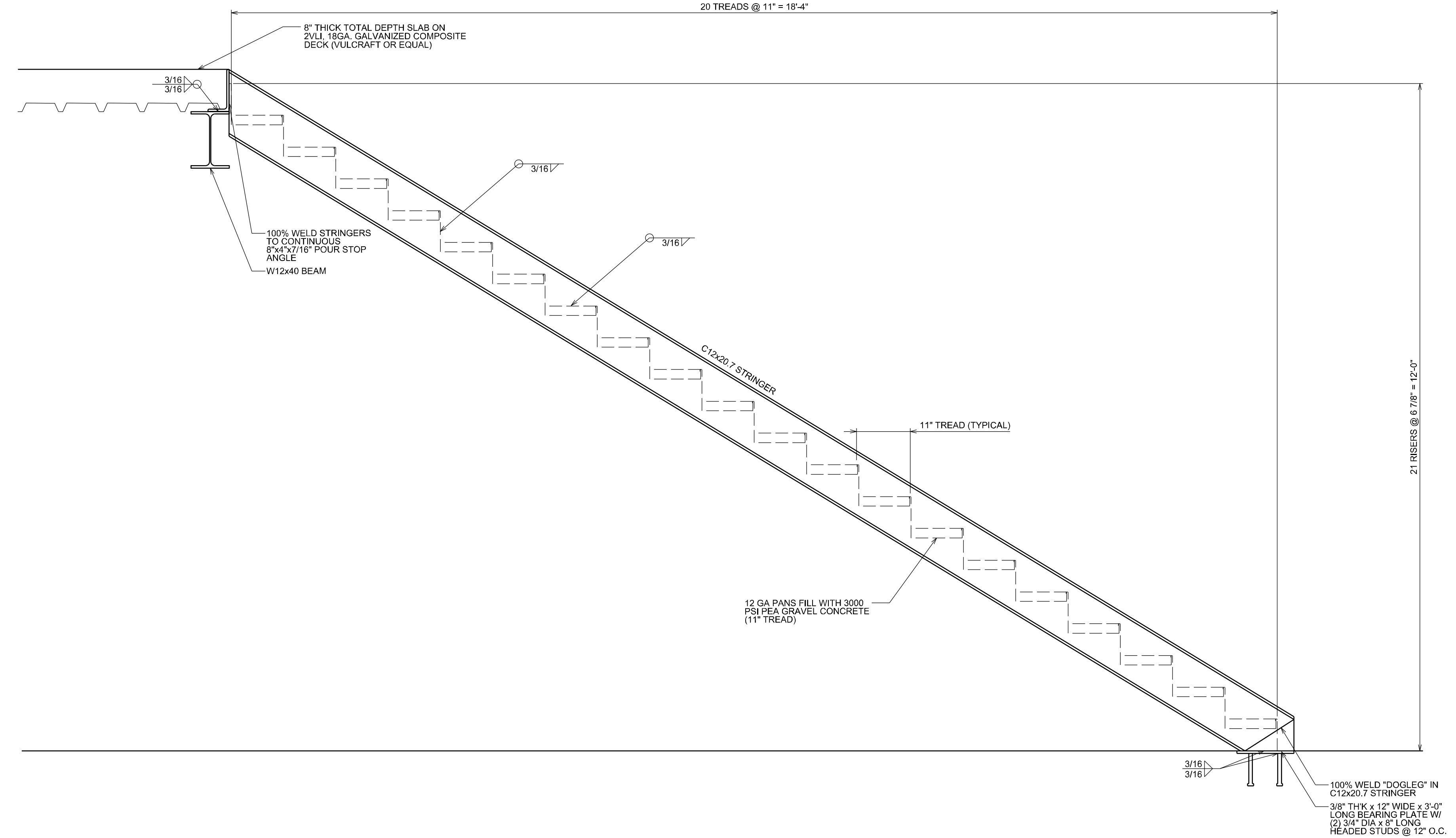
BD SECTION

S201 S201 SECTION THRU SUSPENDED SLAB @ END OF MEZZANINE SCALE: 1"=1'-0"



HANGING HVAC STRUCTURE DETAIL

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



BC SECTION

S201 S201 SECTION THRU STAIRS SCALE: 3/4"=1'-0"

NO.	DATE	DESCRIPTION
1	03/06/25	ADD #1
2	03/10/25	ADD #2

24-096

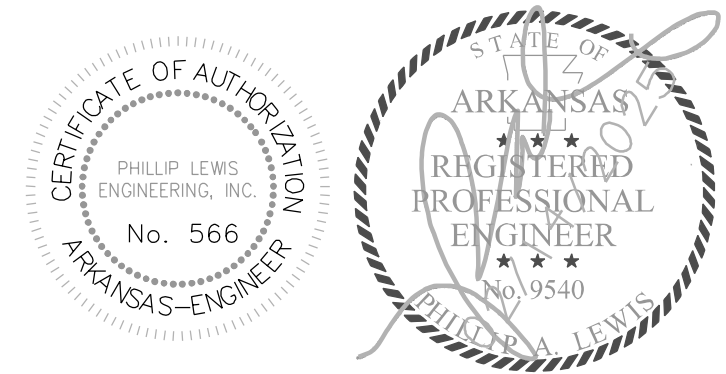
JOB NO.

02.14.2025

DATE

ISSUE SET

S201



HVAC EQUIPMENT CIRCUIT SCHEDULE				
ITEM	VOLTAGE	CIRCUIT	WIRE/CONDUIT	DISC.
DOAS-1	208/1	MP2-54.56	2#12, 1#12EG, .75°C	NF 240V/30A/2P
DOAS-1 PRE-HEATER	208/1	MP2-58.60	2#8, 1#10EG, .75°C	NF 240V/60A/2P
DOAS-2	208/3	MP1-9,11,13	3#6, 1#10EG, 1°C	NF 240V/60A/3P
DOAS-3	208/3	MP1-15,17,19	3#6, 1#10EG, 1°C	NF 240V/60A/3P
HURU-1	208/3	EDP-7	SEE ONE-LINE DIAGRAM	
HURU-D1	208/3	EDP-9	SEE ONE-LINE DIAGRAM	
HURU-D2 - CIRCUIT #1	208/3	MP1-2,4,6	3#4, 1#8EG, 1.25°C	NFRT 240V/100A/3P
HURU-D2 - CIRCUIT #2	208/3	MP1-8,10,12	3#8, 1#10EG, .75°C	NFRT 240V/60A/3P
HURU-D2 - CIRCUIT #3	208/3	MP1-14,16,18	3#8, 1#10EG, .75°C	NFRT 240V/60A/3P
HURU-D3 - CIRCUIT #1	208/3	MP1-20,22,24	3#4, 1#8EG, 1.25°C	NFRT 240V/100A/3P
HURU-D3 - CIRCUIT #2	208/3	MP1-26,28,30	3#8, 1#10EG, .75°C	NFRT 240V/60A/3P
HURU-D3 - CIRCUIT #3	208/3	MP1-32,34,36	3#8, 1#10EG, .75°C	NFRT 240V/60A/3P
FC-01	208/1	MP2-1.3	2#12, 1#12EG, .75°C	DOUBLE POLE, SINGLE THROW 240/30A TOGGLE
FC-02	208/1	MP2-5.7	2#12, 1#12EG, .75°C	DOUBLE POLE, SINGLE THROW 240/30A TOGGLE
FC-03	208/1	MP2-9,11	2#12, 1#12EG, .75°C	DOUBLE POLE, SINGLE THROW 240/30A TOGGLE
FC-04	208/1	MP2-13,15	2#12, 1#12EG, .75°C	DOUBLE POLE, SINGLE THROW 240/30A TOGGLE
FC-05	208/1	MP2-17,19	2#12, 1#12EG, .75°C	DOUBLE POLE, SINGLE THROW 240/30A TOGGLE
FC-06	208/1	MP2-21,23	2#12, 1#12EG, .75°C	DOUBLE POLE, SINGLE THROW 240/30A TOGGLE
FC-07	208/1	MP2-25,27	2#12, 1#12EG, .75°C	DOUBLE POLE, SINGLE THROW 240/30A TOGGLE
FC-08	208/1	MP2-29,31	2#12, 1#12EG, .75°C	DOUBLE POLE, SINGLE THROW 240/30A TOGGLE
FC-09	208/1	MP2-33,35	2#12, 1#12EG, .75°C	DOUBLE POLE, SINGLE THROW 240/30A TOGGLE
EH-1	120V	MP2-37	2#12, 1#12EG, .75°C	DOUBLE POLE, SINGLE THROW 240/30A TOGGLE
EH-2	208/1	MP2-39,41	2#10, 1#10EG, .75°C	NEMA 4X STAINLESS NF 240V/30A/2P
EH-3	208/1	MP2-43,45	2#10, 1#10EG, .75°C	NEMA 4X STAINLESS NF 240V/30A/2P
EH-4	208/1	MP2-47,49	2#10, 1#10EG, .75°C	NEMA 4X STAINLESS NF 240V/30A/2P
WH-1	208/3	MP2-2,4,6	3#10, 1#10EG, .75°C	NF 240V/30A/3P
BS-1	208/1	MP2-8,10	2#12, 1#12EG, .75°C	DOUBLE POLE, SINGLE THROW 240/30A TOGGLE
BS-2	208/1	MP2-8,10	2#12, 1#12EG, .75°C	DOUBLE POLE, SINGLE THROW 240/30A TOGGLE
BS-3	208/1	MP2-8,10	2#12, 1#12EG, .75°C	DOUBLE POLE, SINGLE THROW 240/30A TOGGLE
BS-4	208/1	MP2-12,14	2#12, 1#12EG, .75°C	DOUBLE POLE, SINGLE THROW 240/30A TOGGLE
BS-5	208/1	MP2-12,14	2#12, 1#12EG, .75°C	DOUBLE POLE, SINGLE THROW 240/30A TOGGLE
BS-6	208/1	MP2-16,18	2#12, 1#12EG, .75°C	DOUBLE POLE, SINGLE THROW 240/30A TOGGLE
BS-7	208/1	MP2-16,18	2#12, 1#12EG, .75°C	DOUBLE POLE, SINGLE THROW 240/30A TOGGLE
BS-8	208/1	MP2-16,18	2#12, 1#12EG, .75°C	DOUBLE POLE, SINGLE THROW 240/30A TOGGLE
BS-9	208/1	MP2-16,18	2#12, 1#12EG, .75°C	DOUBLE POLE, SINGLE THROW 240/30A TOGGLE
BS-10	208/1	MP2-16,18	2#12, 1#12EG, .75°C	DOUBLE POLE, SINGLE THROW 240/30A TOGGLE
BS-11	208/1	MP2-20,22	2#12, 1#12EG, .75°C	DOUBLE POLE, SINGLE THROW 240/30A TOGGLE
BS-12	208/1	MP2-20,22	2#12, 1#12EG, .75°C	DOUBLE POLE, SINGLE THROW 240/30A TOGGLE
BS-13	208/1	MP2-20,22	2#12, 1#12EG, .75°C	DOUBLE POLE, SINGLE THROW 240/30A TOGGLE
BS-14	208/1	MP2-20,22	2#12, 1#12EG, .75°C	DOUBLE POLE, SINGLE THROW 240/30A TOGGLE
BS-15	208/1	MP2-20,22	2#12, 1#12EG, .75°C	DOUBLE POLE, SINGLE THROW 240/30A TOGGLE
DHP-1 / DSS-1	208/1	MP2-24,26	2#12, 1#12EG, .75°C	NFRT 240V/30A/2P
EF-1	120V	MP2-28	2#12, 1#12EG, .75°C	NEMA 1 TOGGLE
EF-2	120V	MP2-30	2#12, 1#12EG, .75°C	NEMA 1 TOGGLE
EF-3	120V	MP2-32	2#10, 1#10EG, .75°C	NEMA 1 TOGGLE
EF-4	208/1	MP2-34,36	2#10, 1#10EG, .75°C	NF 240V/30A/2P
EF-5	208/1	MP2-38,40	2#10, 1#10EG, .75°C	NF 240V/30A/2P
L-2	120V	MP2-42	2#12, 1#12EG, .75°C	
L-3	120V	MP2-42	2#12, 1#12EG, .75°C	
L-4	120V	MP2-42	2#12, 1#12EG, .75°C	
L-5	120V	MP2-42	2#12, 1#12EG, .75°C	
L-6	120V	MP2-42	2#12, 1#12EG, .75°C	
L-7	120V	MP2-42	2#12, 1#12EG, .75°C	
SPRINKLER AIR COMP.	208/3	EQ1-35,37,39	3#12, 1#12EG, .75°C	NF 240V/30A/3P

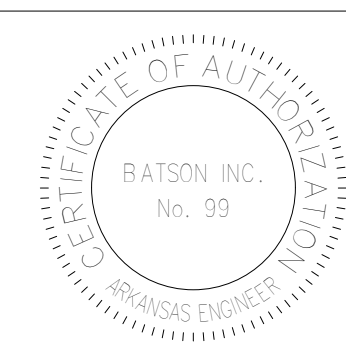
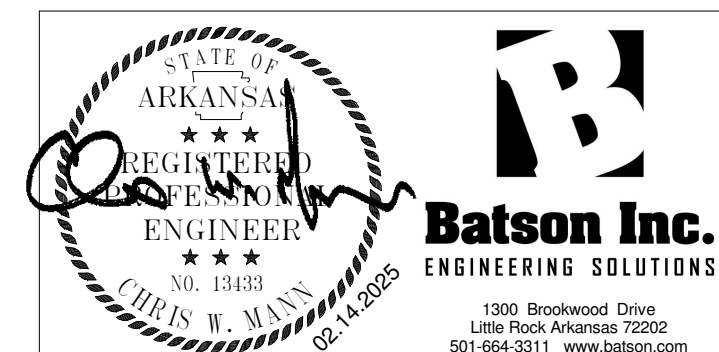
SCHEDULE NOTES:
1. DISCONNECT SAFETY SWITCHES: HD = HEAVY DUTY, NF = NON-FUSED, RT = NEMA 3R ENCLOSURE
2. VERIFY REQUIREMENT FOR NEUTRAL CONDUCTORS PRIOR TO INSTALLATION.
3. PROVIDE MULTI-CONDUCTOR INTERCONNECTION CABLE BETWEEN INDOOR AND OUTDOOR UNIT PER MANUFACTURER INSTRUCTION. CONDUCTORS SHALL NOT BE SMALLER THAN #12AWG.
4. ALL MANUAL MOTOR STARTERS AND DOUBLE-POLE SINGLE-THROW SWITCHES SHALL BE PROVIDED WITH A HANDLE PADLOCK ATTACHMENT.

GENERAL ELECTRICAL NOTES

- VERIFY EXACT LOCATIONS OF ALL EQUIPMENT PRIOR TO BEGINNING ROUGH-IN AND PLACEMENT OF WIRING DEVICES, DISCONNECTS, ETC.
- ALL CONDUIT, WIRING AND ELECTRICAL CONNECTIONS IN WASH BAY SHALL BE WATERTIGHT.
- ALL CONDUIT INSTALLED ACROSS EXISTING TRUCK SHED SHALL BE ROUTED AS HIGH AS POSSIBLE. COORDINATE ROUTING WITH EXISTING STRUCTURE AND UTILITIES.

KEYED ELECTRICAL NOTES

- REFER TO MECHANICAL EQUIPMENT CIRCUIT SCHEDULE THIS SHEET FOR CIRCUITING REQUIREMENTS. DISCONNECTS SHALL BE MOUNTED SO THEY DO NOT INTERFERE WITH EQUIPMENT ACCESS OR CLEARANCE SPACE.
- ROUTE EXHAUST FAN CIRCUIT THRU TIMER (BY DIV. 23). COORDINATE LOCATION OF TIMER WITH MECHANICAL CONTRACTOR.
- ROUTE EXHAUST FAN CIRCUIT THRU LINE VOLTAGE THERMOSTAT IN STORAGE 115. VERIFY EXACT LOCATION WITH MECHANICAL CONTRACTOR.
- INTERLOCKING OF LOUVERS L-4 & L-5 WITH EXHAUST FAN EF-3 IS DONE BY MECHANICAL CONTRACTOR. COORDINATE WITH MECHANICAL CONTRACTOR FOR ADDITIONAL REQUIREMENTS.
- INTERLOCKING OF LOUVER L-3 WITH EXHAUST FANS EF-4 & EF-5 IS DONE BY MECHANICAL CONTRACTOR. COORDINATE WITH MECHANICAL CONTRACTOR FOR ADDITIONAL REQUIREMENTS.
- PROVIDE AND INSTALL 120V FOR HEAT TRACE AT ICE MACHINE. CONNECT TO CIRCUIT "PP1-24".
- DISCONNECTS FOR OUTDOOR HURU UNITS SHALL BE INSTALLED ALONG THIS WALL.
- PROVIDE AND INSTALL 120V CIRCUIT FOR HVAC BMS CONTROL PANEL. CONNECT TO CIRCUIT "MP2-44".
- INTERLOCKING OF LOUVERS L-6 & L-7 WITH EF-4 & EF-5 IS DONE BY MECHANICAL CONTRACTOR. COORDINATE WITH MECHANICAL CONTRACTOR FOR ADDITIONAL REQUIREMENTS.
- DRY-PIPE SPRINKLER SYSTEM AIR COMPRESSOR LOCATED THIS ROOM. VERIFY EXACT LOCATION WITH FIRE PROTECTION CONTRACTOR.

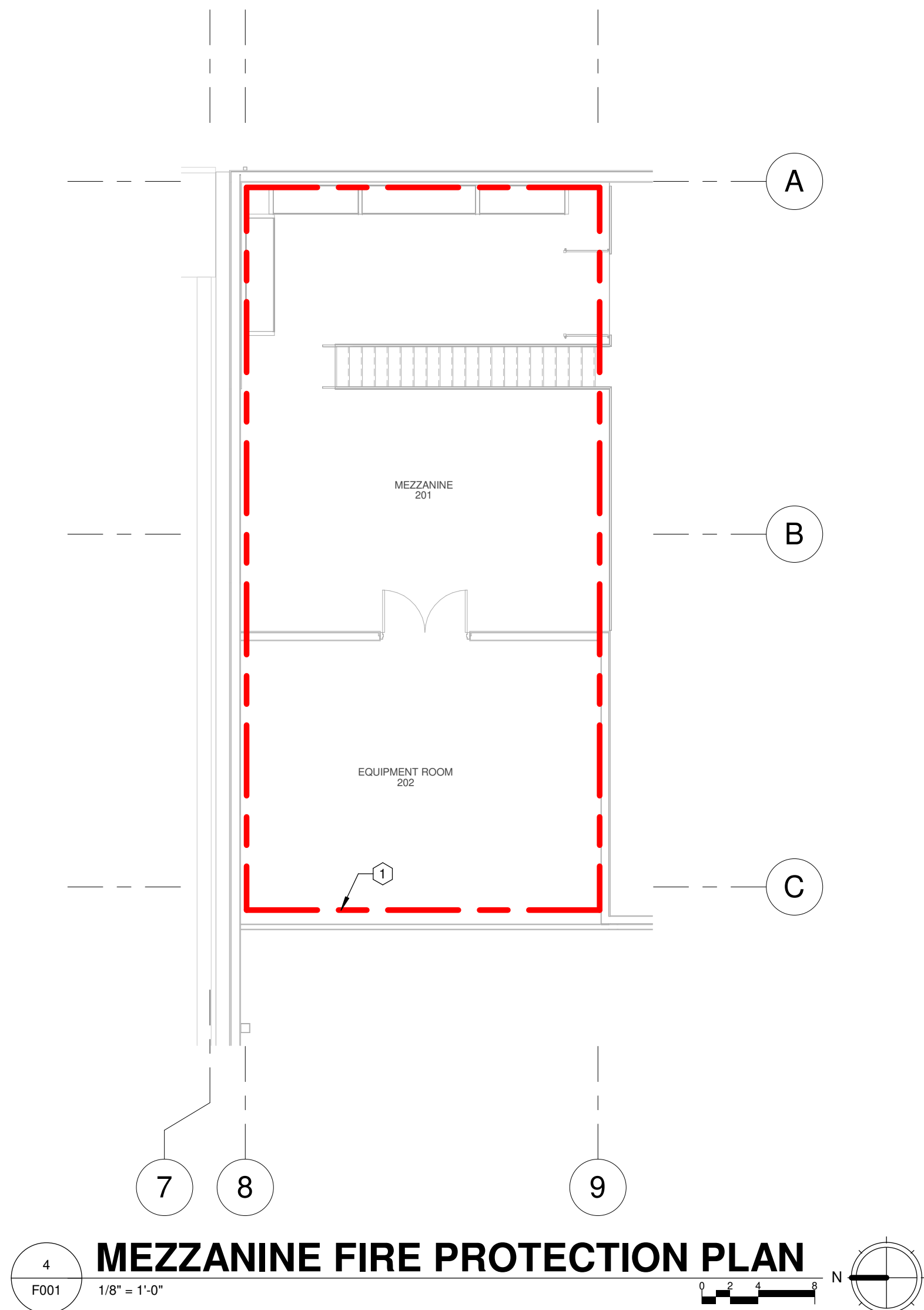


HVAC EQUIPMENT POWER PLAN

1
E401

1/8" = 1'-0"





MEZZANINE FIRE PROTECTION PLAN

KEYED NOTES:

- 1 WET PIPE SPRINKLER SYSTEM TO BE PROVIDED FOR MEZZANINE AS INDICATED BY OUTLINE.

GENERAL NOTES:

- REFER TO SPECIFICATIONS AND PROJECT MANUAL FOR ADDITIONAL INFORMATION AND REQUIREMENTS.
- REFER TO ALL PROJECT DRAWINGS FOR DETAILS OF CONSTRUCTION AND INSTALLATION REQUIREMENTS.
- REFER TO GENERAL CONDITIONS AND SUPPLEMENTARY GENERAL CONDITIONS FOR THE CONTRACT. THE GENERAL CONTRACTOR IS RESPONSIBLE FOR FULL COORDINATION OF PROJECT INCLUDING THE EQUIPMENT AND INSTALLATION OF THE MECHANICAL WORK.
- CONTRACTOR SHALL BECOME, PRIOR TO BID, THOROUGHLY FAMILIAR WITH THE REQUIREMENTS OF THESE NOTES AS WELL AS OTHER NOTES SHOWN ON THE CONTRACT DOCUMENTS.
- THESE DRAWINGS REFLECT A SYSTEM DESIGNED AROUND SPECIFIC REFERENCE PRODUCTS (SEE SCHEDULES), THE SELECTION OF WHICH HAS INFLUENCED THE DESIGNS OF OTHER TRADES (ELECTRICAL, STRUCTURAL, ETC.). IF SUBSTITUTE MANUFACTURERS, SIZES, OR MODEL NUMBERS ARE BID OR SUBMITTED, IT IS THE RESPONSIBILITY OF THE MECHANICAL CONTRACTOR AND ALL HIS SUBCONTRACTORS TO COORDINATE ALL DIFFERENCES PRIOR TO BID. ALL COSTS OF ALL TRADES ASSOCIATED WITH THE SUBSTITUTION SHALL BE INCLUDED IN THE BID.
- COORDINATION OF ALL MODIFICATIONS TO EACH DISCIPLINE WHICH RESULT FROM SUBSTITUTION OF EQUIPMENT OR MATERIALS SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. SUBSTITUTIONS WHICH ARE INSTALLED AND SUBSEQUENTLY ARE PROVEN UNSATISFACTORY BY OWNER AND/OR ENGINEER, WITHIN THE WARRANTY PERIOD, SHALL BE REMOVED COMPLETELY BY THE CONTRACTOR AND REPLACED WITH THE ORIGINAL DESIGN OR CORRECTED AS DIRECTED BY THE ENGINEER WITHOUT ADDITIONAL COST TO THE OWNER.
- ALL DRAWINGS ARE DIAGRAMMATIC AND INDICATE THE GENERAL ARRANGEMENTS OR GEOMETRICAL RELATIONSHIPS OF EQUIPMENT AND SERVICES. THEY ARE NOT INTENDED TO SPECIFY OR SHOW EVERY OFFSET, SEQUENCE, DEVICE, OPTION, FITTING, OR COMPONENT.
- INFORMATION AND COMPONENTS SHOWN ON RISER DIAGRAMS OR DETAILS, BUT NOT SHOWN ON PLANS, AND VICE VERSA, SHALL BE PROVIDED AS IF EXPRESSLY REQUIRED BY BOTH.
- CONTRACTOR SHALL NOT SCALE DRAWINGS. DRAWINGS SPECIFIC TO THIS DISCIPLINE DO NOT LIMIT THE RESPONSIBILITY OF WORK REQUIRED BY THE CONTRACT DOCUMENTS.
- UNLESS NOTED OTHERWISE, THE INDICATION AND/OR DESCRIPTION OF ANY ITEM, IN THE DRAWINGS OR SPECIFICATIONS CARRIES WITH IT THE INSTRUCTION TO FURNISH AND INSTALL THE ITEM.
- EXACT LOCATIONS OF ALL EQUIPMENT, ROOF CURBS, DUCTS, DIFFUSERS, ETC. SHALL BE COORDINATED WITH OTHER TRADES. CEILING MOUNTED SPRINKLER, LIGHTING, AND ELECTRICAL REQUIREMENTS TAKE PRECEDENCE OVER CEILING MOUNTED MECHANICAL REQUIREMENTS. SEE ARCHITECTURAL REFLECTED CEILING PLANS FOR CEILING GRID AND LIGHTING LAYOUT FOR COORDINATION OF FINAL DIFFUSER LOCATIONS.
- SEE ARCHITECTURAL AND STRUCTURAL DRAWINGS FOR BUILDING DETAILS AND DIMENSIONS.
- COORDINATE PLACEMENT OF ALL THERMOSTATS, ROOF MOUNTED EQUIPMENT, ETC. WITH ARCHITECTURAL AND STRUCTURAL TRADES.
- CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING ALL WORK WITH THAT OF OTHER TRADES. REFER TO ARCHITECTURAL, STRUCTURAL, ELECTRICAL, AND OTHER DRAWINGS FOR COMPLETE INFORMATION PRIOR TO BID.
- ROUGH-IN OR INSTALLATION OF OWNER FURNISHED EQUIPMENT SHALL NOT BEGIN UNTIL APPROVED EQUIPMENT DRAWINGS ARE OBTAINED FROM OWNER OR ARCHITECT. DO NOT SUBMIT SHOP DRAWINGS FOR ANY EQUIPMENT WHICH MAY BE COORDINATED WITH OWNER FURNISHED ITEMS UNTIL THE APPROVED DRAWINGS ARE OBTAINED FROM OWNER OR ARCHITECT. VERIFY THE APPROVED EQUIPMENT HAS THE SAME ROUGH-IN AND FINAL CONNECTION REQUIREMENTS AND DESIGN CRITERIA AS THE DOCUMENTS. NOTIFY ENGINEER OF ANY CHANGES, INCOMPATIBILITY, OR UNUSUAL CONDITIONS IMMEDIATELY. SEE SPECIFICATIONS OR DRAWINGS FOR LIST OF OWNER FURNISHED EQUIPMENT WHERE APPLICABLE.
- ALL MECHANICAL CONSTRUCTION DETAILS SHALL BE AS SHOWN AND AS REQUIRED TO MAINTAIN "UL" ASSEMBLY RATINGS AS SHOWN ON ARCHITECTURAL SHEETS. SEAL AROUND ALL PENETRATIONS THOROUGH UL RATED ASSEMBLIES, FIRE AND SMOKE WALLS. COORDINATE WITH GENERAL CONTRACTOR.
- NO OTHER TRADES, I.E., ELECTRICAL, CEILING, PLUMBING, ETC., SHALL BE SUSPENDED, HUNG, OR SUPPORTED FROM DUCTWORK OR PIPING.
- ROOFING CONTRACTOR SHALL BE RESPONSIBLE FOR FLASHING AND SEALING OF ALL ROOF PENETRATIONS.
- SPECIAL CARE SHALL BE TAKEN ON THE ROOFS TO PREVENT DAMAGE. ANY DAMAGE SHALL BE PROMPTLY REPAIRED AT NO EXPENSE TO THE OWNER. COMPLY WITH BONDING REQUIREMENTS OF EXISTING ROOF.
- PROVIDE CONCRETE PADS FOR ALL GROUND-MOUNTED EQUIPMENT.
- REPLACE ALL ARCHITECTURAL FEATURES REMOVED OR DAMAGED DURING THE COURSE OF THE WORK.

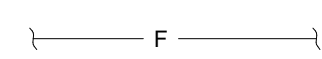
FIRE PROTECTION DRAWING INDEX

F001	FIRE PROTECTION NOTES, LEGEND, INDEX, & MEZZANINE PLAN
F101	FIRE PROTECTION FLOOR PLAN

FIRE PROTECTION NOTES:

- REFER TO GENERAL NOTES ON DRAWING.
- REFER TO DRAWING FOR ADDITIONAL INFORMATION.
- PROVIDE COMPLETE HYDRAULICALLY CALCULATED, FULLY AUTOMATIC, WET AND DRY PIPE SPRINKLER SYSTEMS, AS PER NFPA 13, SPECIFICATIONS, AND LOCAL CODE AND INSURERS REQUIREMENTS.
- FIRE PROTECTION SYSTEMS, PIPING, PUMPS, VALVES, AND ACCESSORIES INDICATED ON THE DRAWINGS ARE DIAGRAMMATIC ONLY. IT IS THE RESPONSIBILITY OF THE DESIGNING CONTRACTOR TO VERIFY EQUIPMENT SELECTIONS, PIPE ROUTING, ETC. FOR CODE COMPLIANCE, INSURER COMPLIANCE, AND ARCHITECTURAL/STRUCTURAL CONFORMITY.
- FIRE PROTECTION SYSTEM SHOP DRAWINGS SHALL INCLUDE SEPARATE AND COMPLETE REFLECTED CEILING PLANS INDICATING LOCATION OF EACH SPRINKLER HEAD, AS WELL AS PIPING LAYOUTS. PROVIDE ADDITIONAL SPRINKLER HEADS (OVER CODE MINIMUM QUANTITIES) IF REQUESTED BY ARCHITECT, TO OBTAIN SYMMETRICAL CEILING LAYOUTS.
- SPRINKLER SYSTEM SHALL BE COMPLETE WITH BACKFLOW PREVENTION DEVICES, VALVES, P.I.V.'S, ALARM BELLS, SIAMOSE CONNECTIONS, SPRINKLER PIPES & HEADS, ELECTRONIC SUPERVISION, FIRE DEPARTMENT CONNECTIONS, HYDRANTS, ACCESSORIES, ETC., AS REQUIRED BY NFPA, INSURER, AND LOCAL AUTHORITIES.
- COORDINATE LOCATIONS OF FIRE EXTINGUISHER AND FIRE HOSE CABINETS WITH ARCHITECTURAL PLANS.
- SYSTEM SHALL INTERFACE WITH THE BUILDING FIRE ALARM SYSTEM. SEE ELECTRICAL.
- PROVIDE HEADS SUITABLE FOR TEMPERATURES TO BE ENCOUNTERED.
- SEE SPECIFICATIONS AND PROJECT MANUAL FOR SYSTEM REQUIREMENTS. REFER TO ARCHITECTURAL DRAWINGS FOR BUILDING DETAILS AND REFLECTED CEILING PLAN.
- ALL VALVES SHALL HAVE ELECTRONIC SUPERVISION.
- HYDRAULIC CALCULATIONS SHALL BE BASED ON THE HYDRANT FLOW TEST. CONTRACTOR SHALL VERIFY FLOW TEST DATA WITH LOCAL AUTHORITIES PRIOR TO SYSTEM DESIGN OR PREPARATION OF SHOP DRAWINGS.
- IF HYDRAULIC CALCULATIONS AND CURRENT FLOW TEST DATA INDICATES THAT A FIRE PUMP IS REQUIRED, NOTIFY ENGINEER 4 DAYS PRIOR TO BID.
- SPECIAL CONSIDERATION SHALL BE GIVEN TO AREAS THROUGH THE BUILDING SUCH AS DROPPED SOFFITS AND LIGHTING SOFFITS THAT NECESSITATE ADDITIONAL SPRINKLER HEADS. REFER TO ARCHITECTURAL PLANS TO BUILDING DETAILS.
- LAYOUT THE SPRINKLER PIPING SO THAT THERE IS A MINIMUM SEPARATION OF 18" BETWEEN THE CEILING HEIGHT AND THE BOTTOM OF THE SPRINKLER PIPE, EVEN IF THIS REQUIRES RUNNING THE PIPE IN THE JOIST SPACE.
- DUCT RUNS AND GRAVITY DRAINAGE SYSTEMS HAVE PRIORITY OVER SPRINKLER LINE MAINS, BRANCHES, AND DROPS. OFFSET DROPS TO OBTAIN REQUIRED HEAD LAYOUT, COORDINATE WITH OTHER TRADES.
- CONDUCT A COORDINATION MEETING WITH SUBCONTRACTORS TO ESTABLISH CLEARANCE REQUIREMENTS NEEDED FOR MECHANICAL, PLUMBING AND ELECTRICAL WORK PRIOR TO FABRICATION OF SPRINKLER SYSTEM. ANY RELOCATION OF FIRE SPRINKLER SYSTEM REQUIRED FOR PROPER INSTALLATION OF M.E.P. SYSTEMS SHALL BE AT THE CONTRACTOR'S EXPENSE.
- THE SPRINKLER CONTRACTOR SHALL BASE HIS DESIGN LAYOUT AND BID ON CAREFUL COORDINATION OF THE MECHANICAL, PLUMBING, ELECTRICAL AND STRUCTURAL SYSTEMS IN THE BUILDING.
- RUN PIPING HORIZONTALLY AND AT RIGHT ANGLES TO WALLS AND CEILINGS. CENTER SPRINKLER HEADS IN BOTH HORIZONTAL DIRECTIONS WITH RESPECT TO CEILING COMPONENTS, SUCH AS CEILING GRID, LIGHT FIXTURES, HVAC DIFFUSERS AND SPEAKERS, AS DIRECTED BY ARCHITECT. SPRINKLER HEADS MUST BE CENTERED IN CEILING GRID PANELS (TYPICAL AT ALL LAY-IN CEILINGS).
- PROVIDE TEST CONNECTIONS AT MOST REMOTE POINT OF MAIN PORTION OF EACH SPRINKLER SYSTEM.
- DO NOT PAINT SPRINKLER HEADS.
- PAINT EXPOSED SPRINKLER PIPING IN FINISHED SPACES PER ARCHITECT'S DIRECTION.
- SPRINKLER HEADS SHALL HAVE FINISH WITH ESCUTCHEONS PER THE SPECIFICATIONS.

FIRE PROTECTION LEGEND

ABBREVIATION OR SYMBOL	DESCRIPTION
	FIRE PROTECTION SYSTEM

NO.	DATE	DESCRIPTION
1	03/06/25	ADD #1
2	03/10/25	ADD #2

NO.	DATE	DESCRIPTION
1	03/06/25	ADD #1
2	03/10/25	ADD #2

NO.	DATE	DESCRIPTION
1	03/06/25	ADD #1
2	03/10/25	ADD #2

NO.	DATE	DESCRIPTION
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2	03/10/25	ADD #2

NO.	DATE	DESCRIPTION
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2	03/10/25	ADD #2

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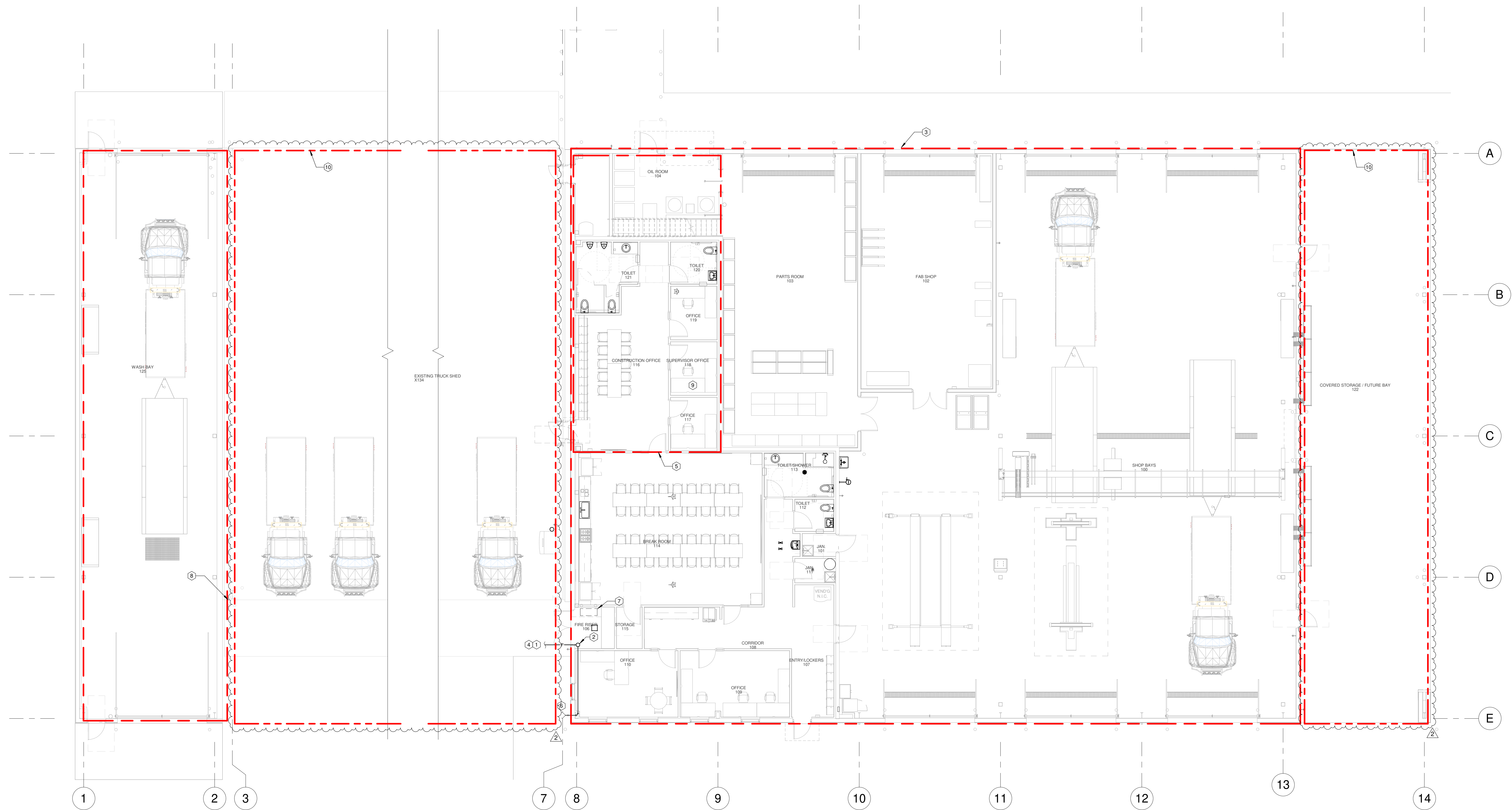
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02.14.2025

DATE

ISSUE SET

F101



1
F101
1/8" = 1'-0"

FIRE PROTECTION FLOOR PLAN

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KEYED NOTES:

1. SEE CIVIL FOR CONTINUATION.
2. FIRE SERVICE RISES TO DCDA AND WET AND DRY PIPE RISERS.
3. WET PIPE SPRINKLER SYSTEM TO BE PROVIDED FOR BUILDING AS INDICATED BY OUTLINE.
4. ALL FIRE PROTECTION PIPING TO BE SIZED BY FIRE PROTECTION CONTRACTOR.
5. MEZZANINE ABOVE. SEE 1/F001.
6. FIRE DEPARTMENT SIAMESE CONNECTION. COORDINATE EXACT LOCATION WITH FIELD VERIFIED FIRE HYDRANT LOCATION. SEE CIVIL PLANS FOR EXACT LOCATION. PROVIDE 'FDC' SIGN ABOVE WITH MINIMUM 4" RED LETTERS.
7. DOMESTIC WATER BACKFLOW PREVENTER. COORDINATE WITH PLUMBING.
8. NO SPRINKLER SYSTEM IN WASH BAY.
9. BELOW MEZZANINE, SPRINKLER MAINS TO ROUTE OVER LOWER CEILINGS OF OFFICES. BRANCH LINES TO RISE AND ROUTE BETWEEN BEAMS SUPPORTING MEZZANINE.
10. AREA INDICATED BY OUTLINE PROTECTED BY DRY PIPE SPRINKLER SYSTEM. PROTECTED AREAS TO INCLUDE COVERED STORAGE/FUTURE BAY 122 AND EXISTING TRUCK SHED 134.