

# Renovate Interior & Exterior Marshall Readiness Center Marshall, Missouri

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**GastingerWalker&**

Architects | Interior Designers | Construction Managers  
817 Wyandotte Kansas City, Missouri 64105 816.421.8200 [gastingerwalker.com](http://gastingerwalker.com)

GastingerWalker& Architects, LLC.  
Missouri Certificate of Authority: #2023012872  
Project Number: 2024.345



Mechanical, Electrical, Plumbing, Fire Protection, & Technology  
1600 Baltimore, Suite 300 Kansas City, Missouri 64108 816.842.8437 [imegcorp.com](http://imegcorp.com)

Missouri Certificate of Authority: #2023010035  
Project Number: 23000986.00

OWNER:

STATE OF MISSOURI  
MIKE KEHOE, GOVERNOR

MISSOURI NATIONAL GUARD

PROJECT  
MANAGEMENT:

OFFICE OF ADMINISTRATION  
DIVISION OF FACILITIES  
MANAGEMENT,  
DESIGN AND CONSTRUCTION

DESIGNER:

GastingerWalker&  
IMEG

PROJECT NUMBER: T2423-01

SITE NUMBER: 6265  
ASSET NUMBER: 8136265008



Jana E Bee Triplett - Architect

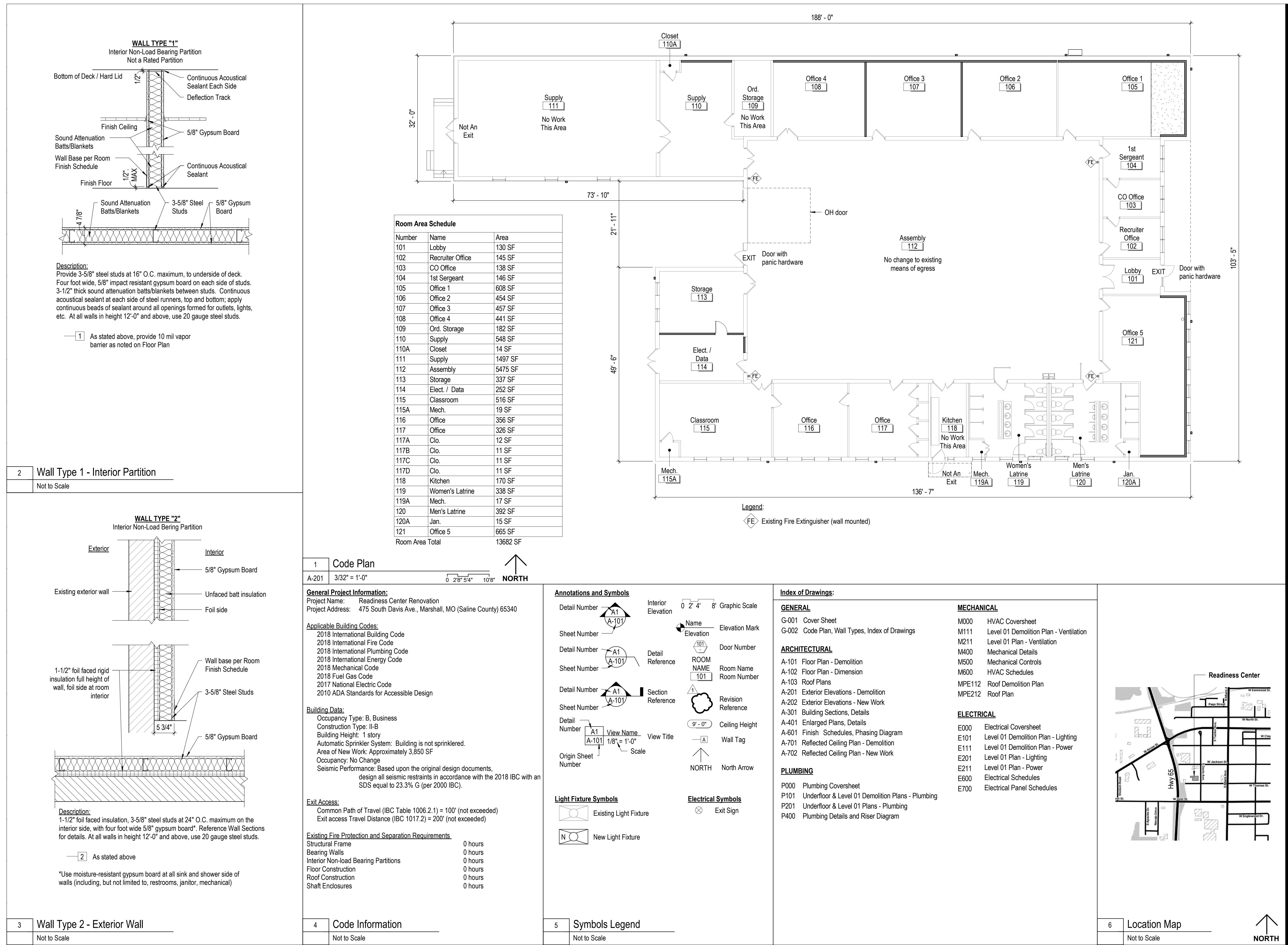
MO# 2002006831

SHEET NUMBER:

G-001

1 OF 31 SHEETS

DECEMBER 8, 2025







Jana E Bee Triplett - Architect  
MO# 2002006831

12/8/2025

**GastingerWalker** Construction Managers

Interior Designers | Construction Managers

Kansas City Missouri 64105 | Project Number: 2024345

Architects | Interior Designers | Construction Managers

GastingerWalker & Architects, LLC.

Missouri Certificate of Authority #2023012872

**OFFICE OF  
ADMINISTRATION  
DIVISION OF FACILITIES  
MANAGEMENT,  
DESIGN AND  
CONSTRUCTION**

Project Name:  
Readiness Center  
Missouri National Guard

475 South Davis Ave.  
Marshall, MO 65340

PROJECT # T2423-01  
SITE # 6265  
ASSET # 8136265008

REVISION:  
DATE:  
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DATE:  
REVISION:  
DATE:  
REVISION:  
DATE:  
ISSUE DATE: 12/8/2025

CAD DWG FILE: A-102  
DRAWN BY: JKj  
CHECKED BY:  
DESIGNED BY: GW&  
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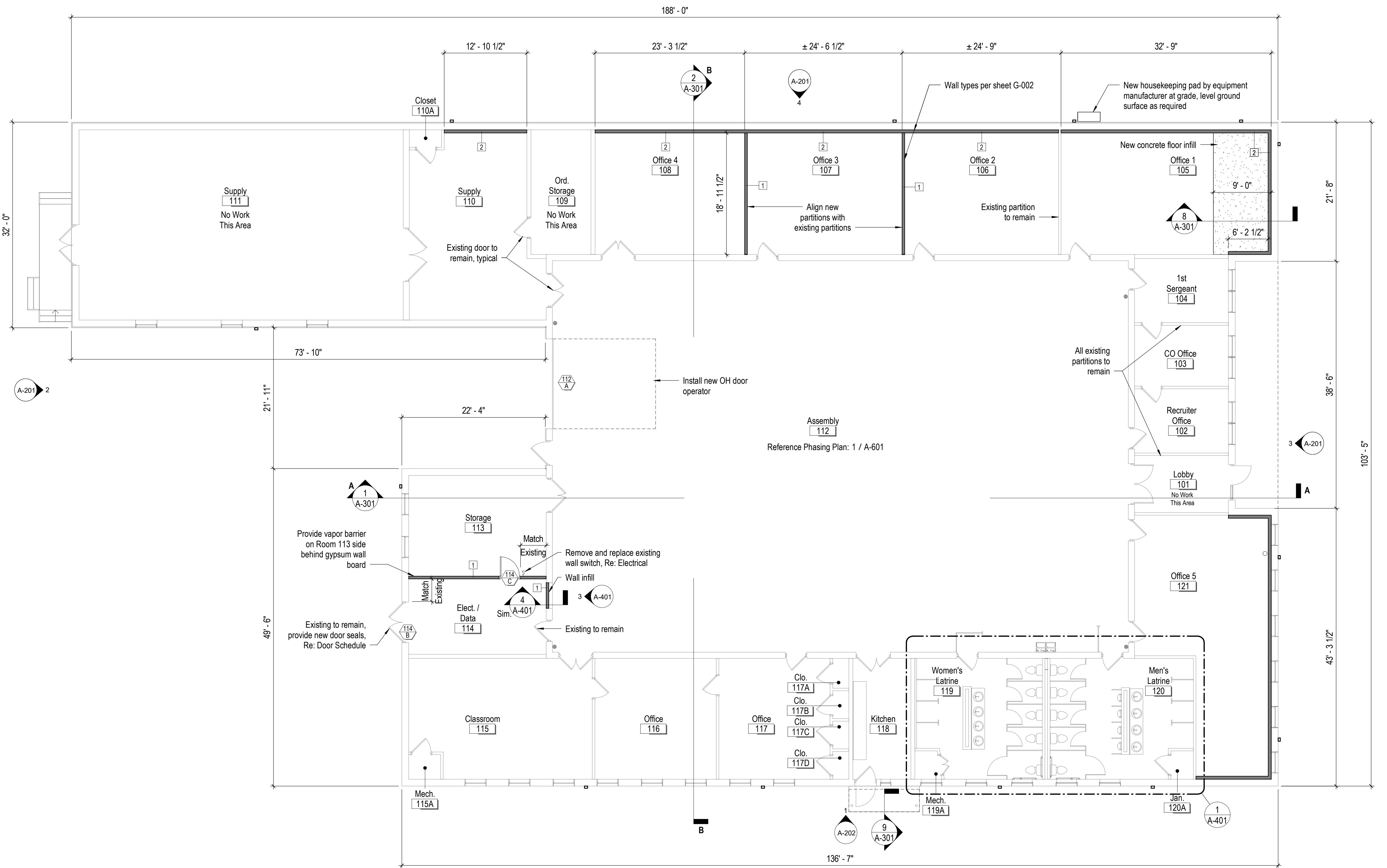
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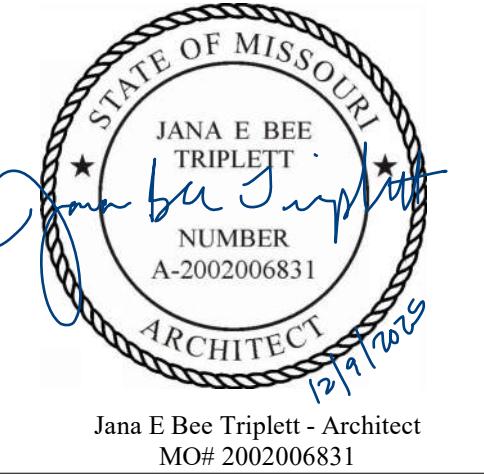
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**A-102**

SHEET 04 OF 31

12/8/2025



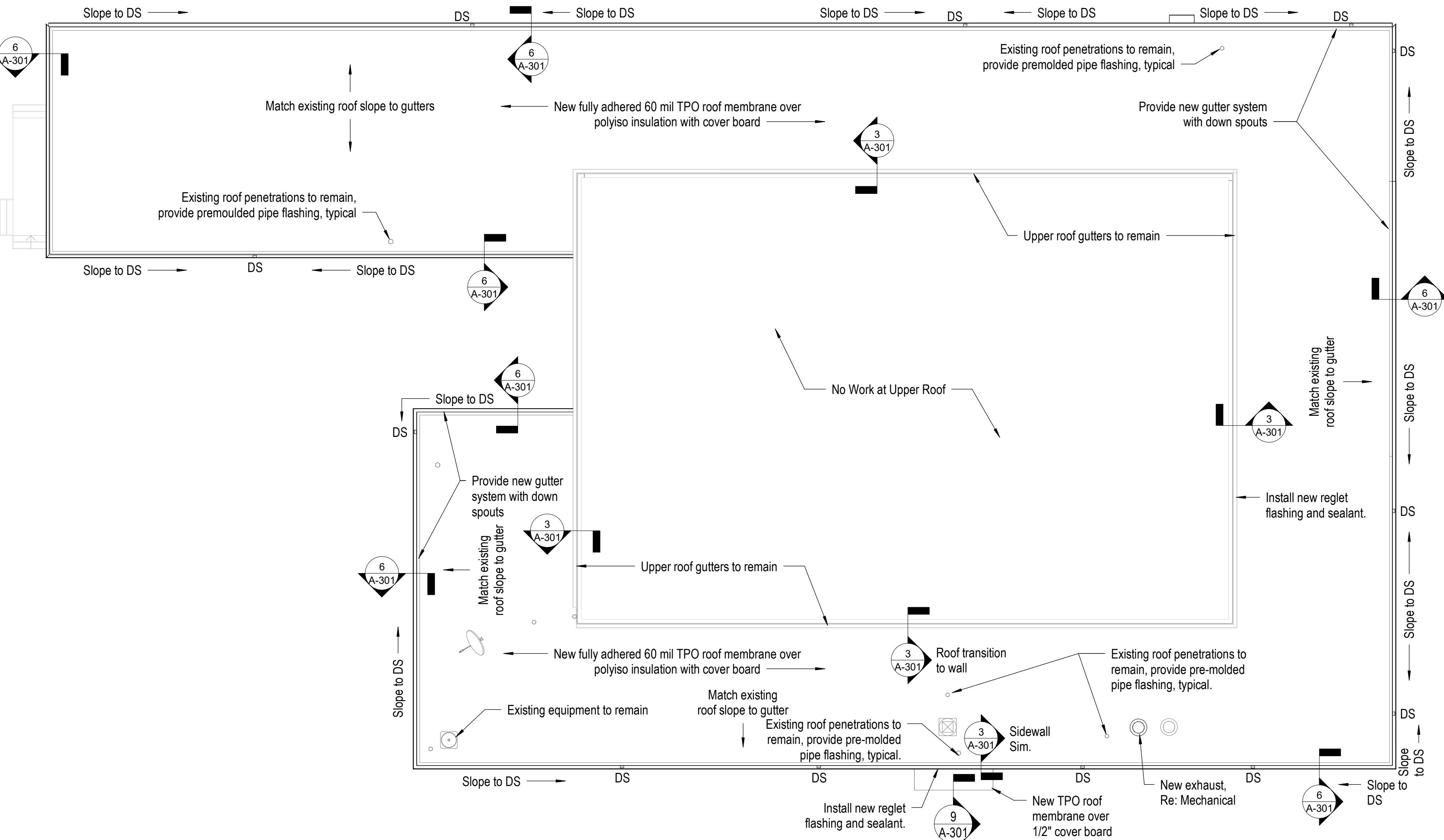
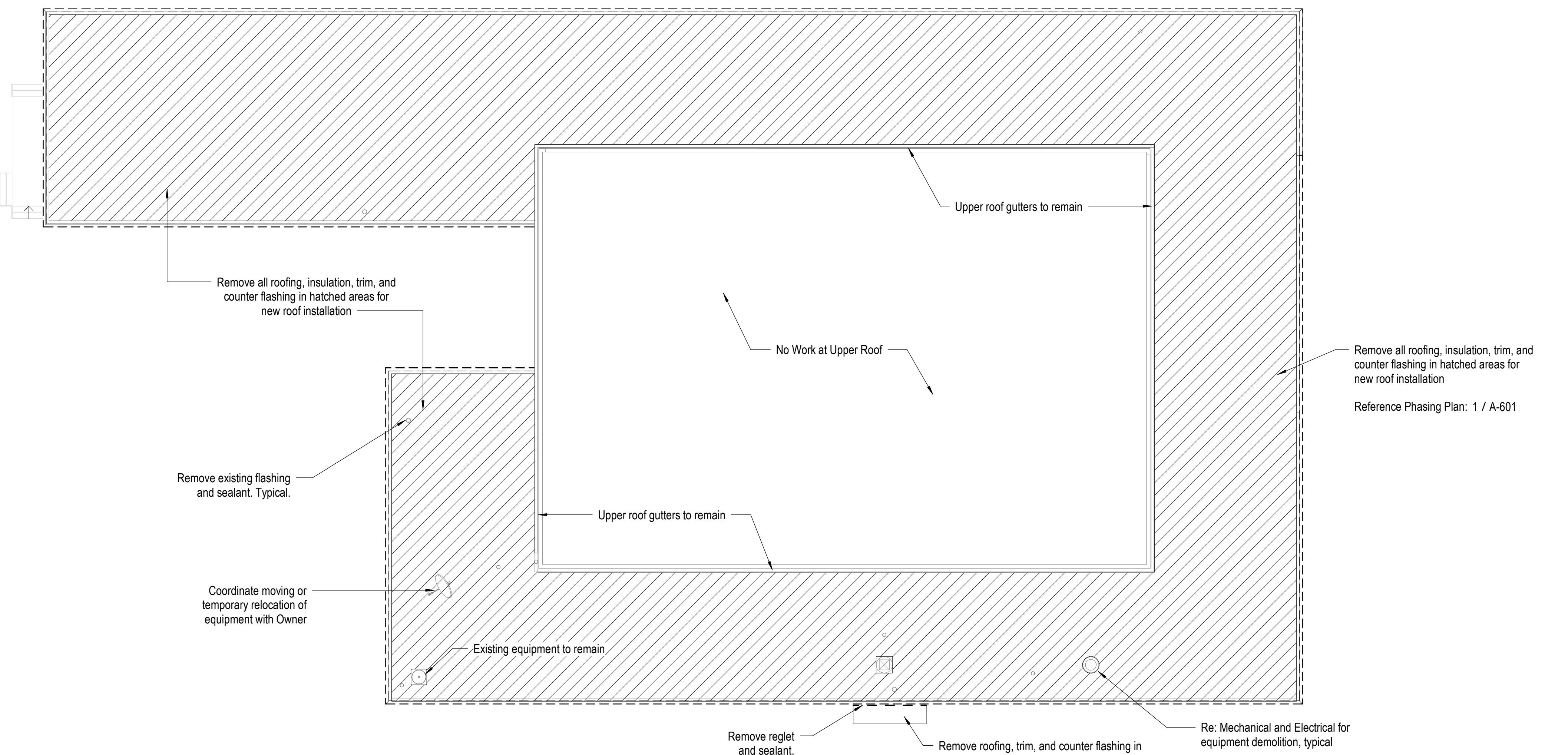


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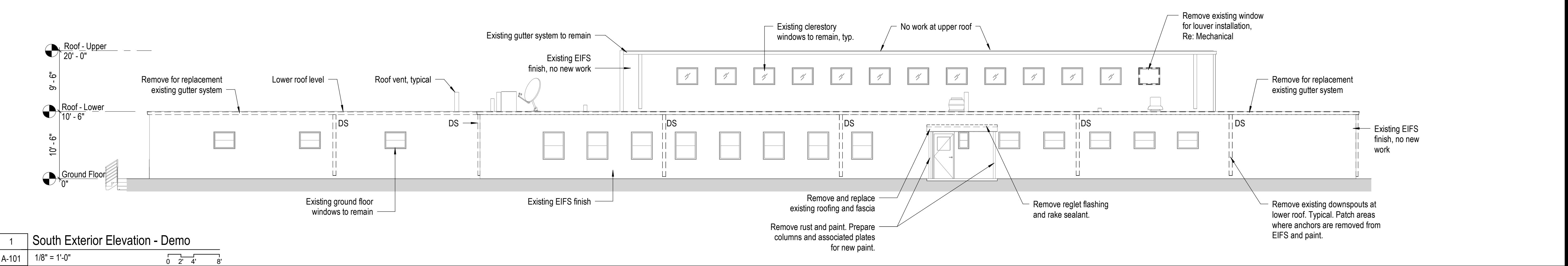
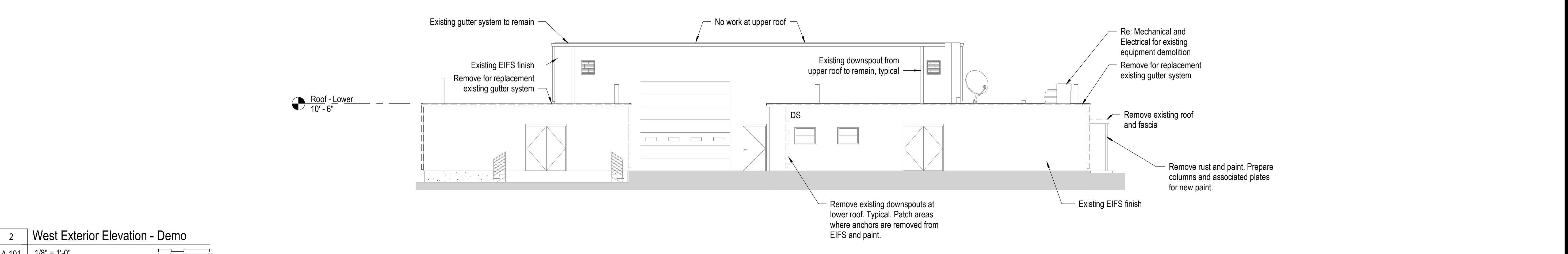
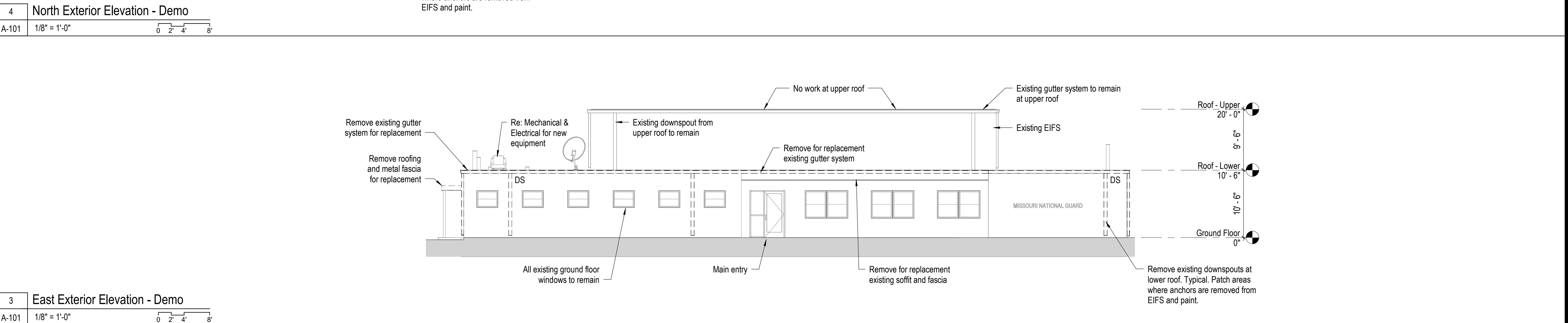
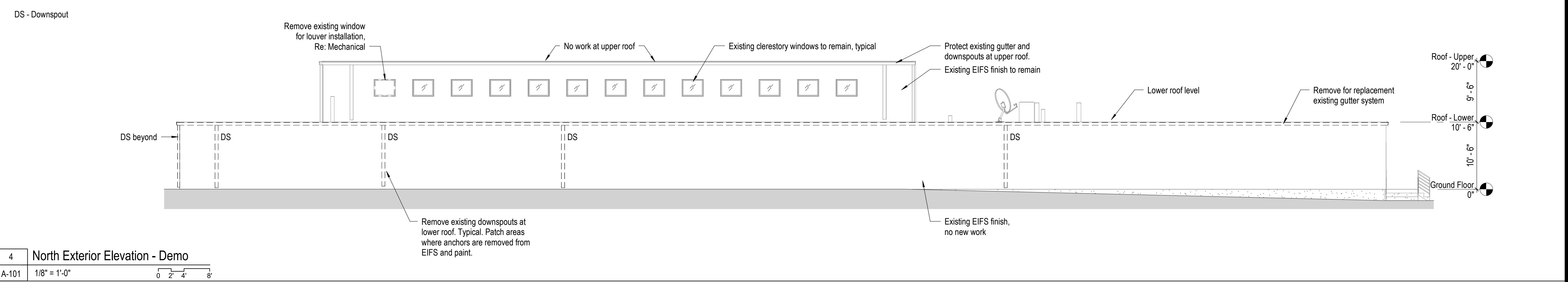
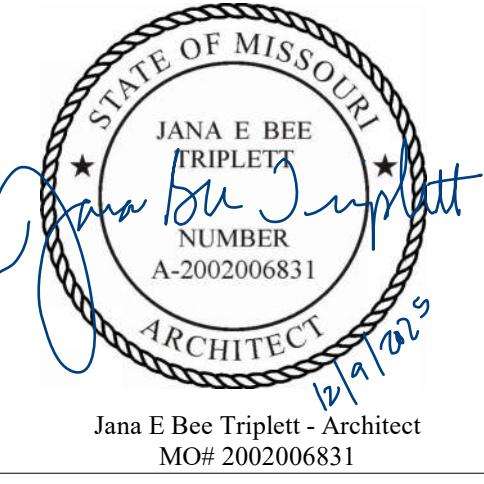
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ISSUE DATE: 12/8/2025

CAD DWG FILE: A-103  
DRAWN BY: JK  
CHECKED BY:  
DESIGNED BY: GW &  
SHEET TITLE:

Roof Plans

SHEET NUMBER:  
**A-103**  
SHEET 05 OF 31  
12/8/2025



Project Name:  
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ISSUE DATE: 12/8/2025

CAD DWG FILE: A-201  
DRAWN BY: JK  
CHECKED BY:  
DESIGNED BY: GW &  
SHEET TITLE:

Exterior Elevations -  
Demolition

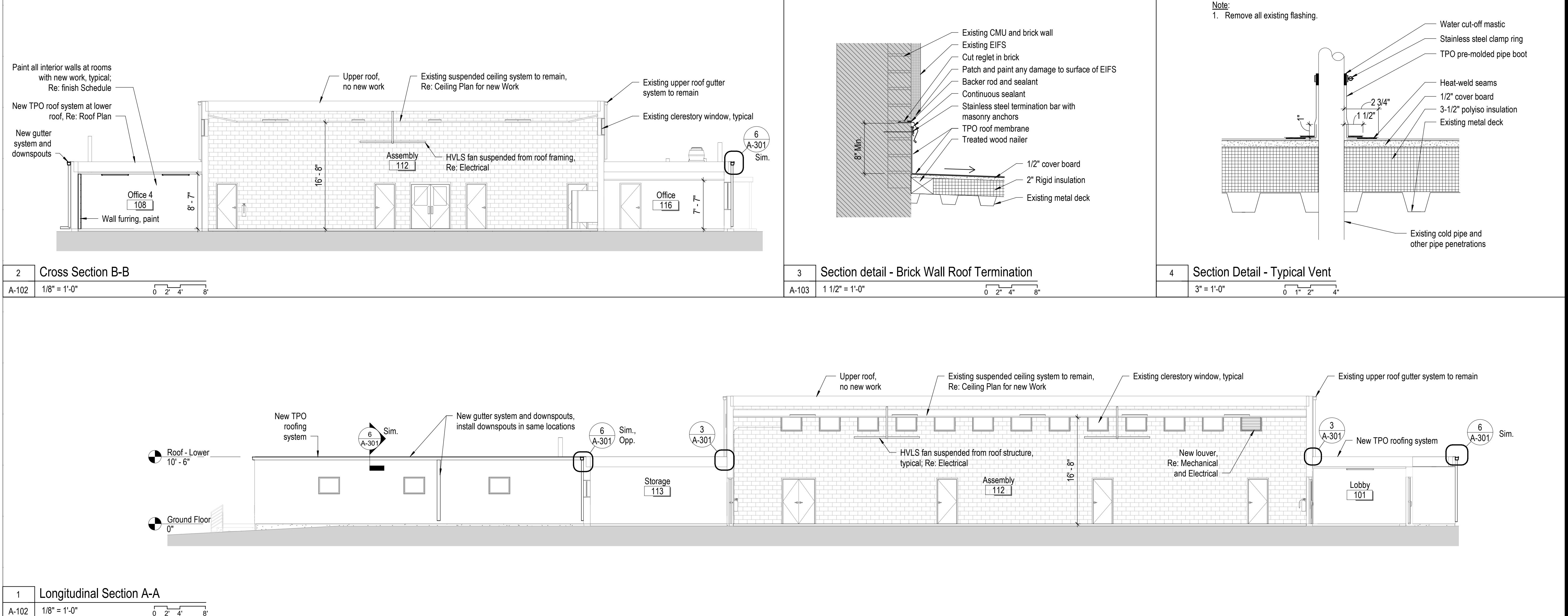
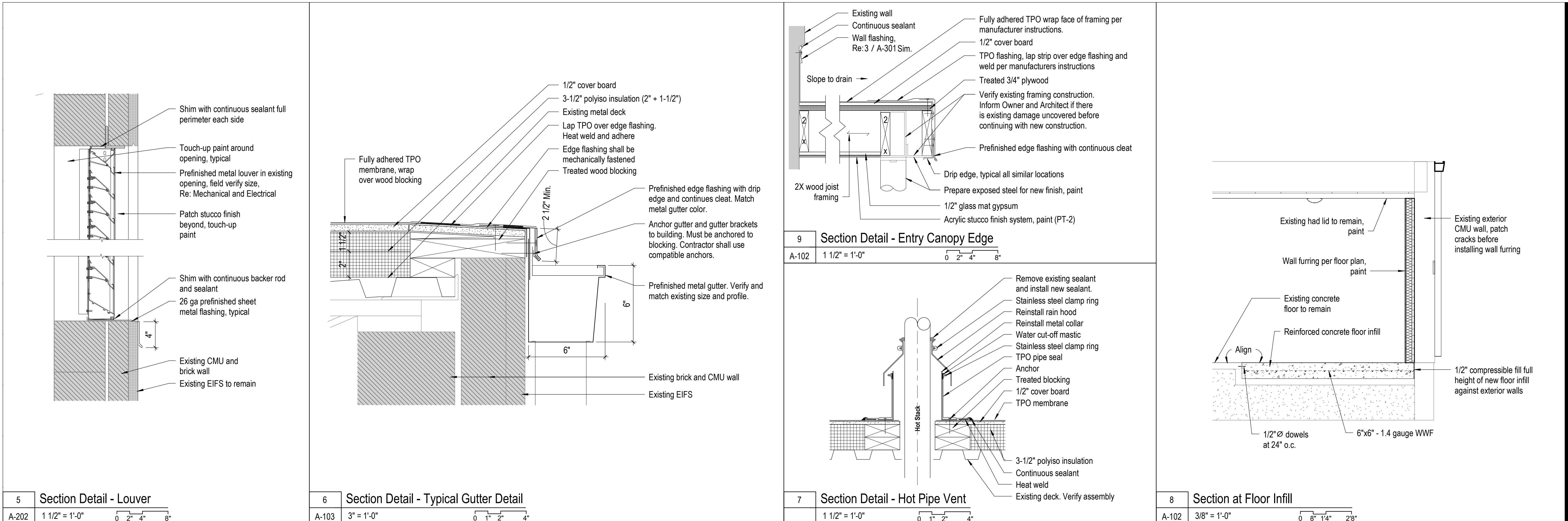
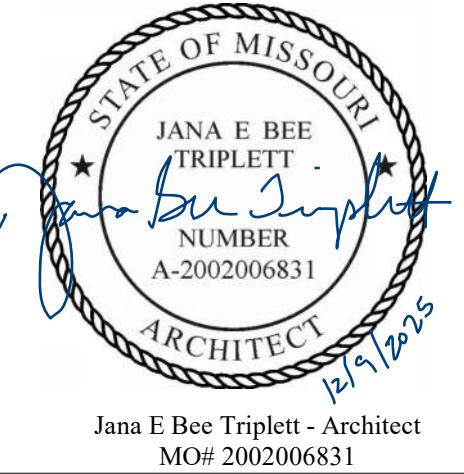
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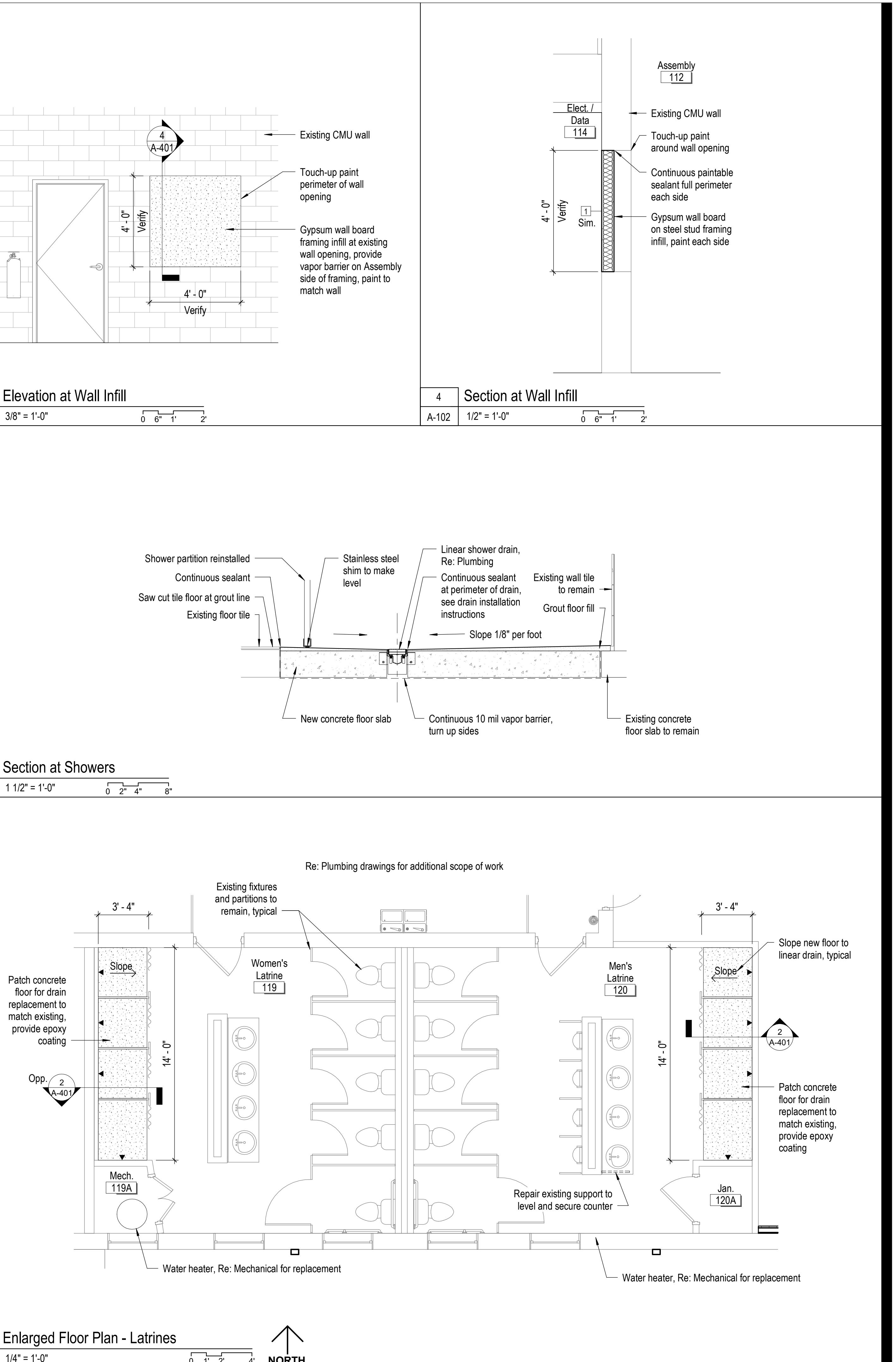
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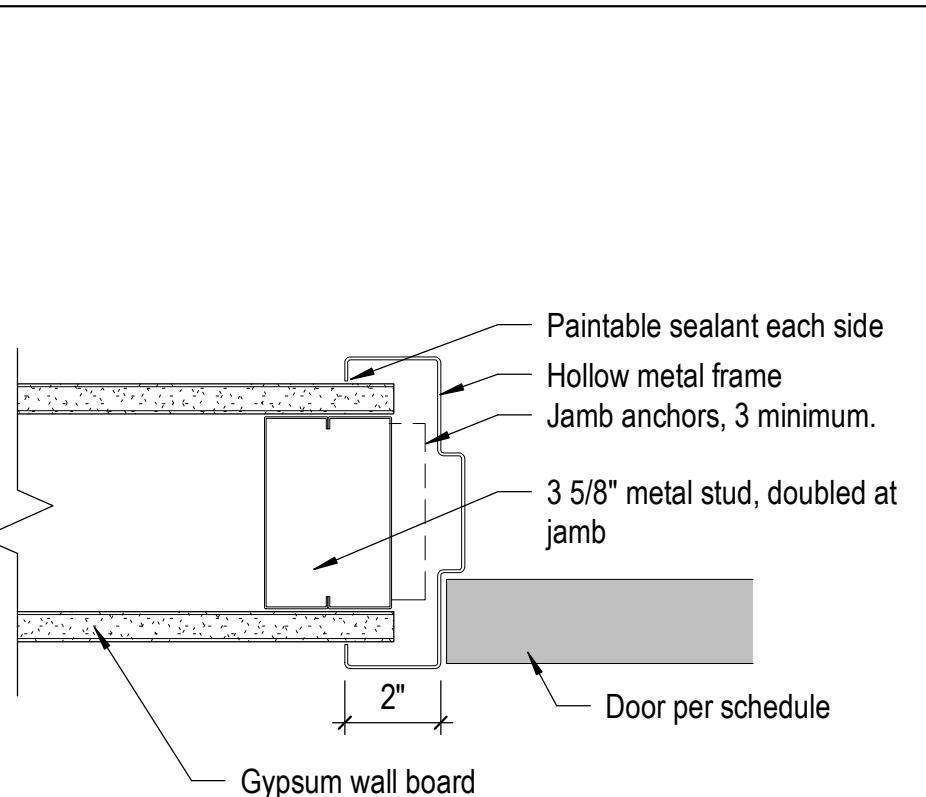
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12/8/2025

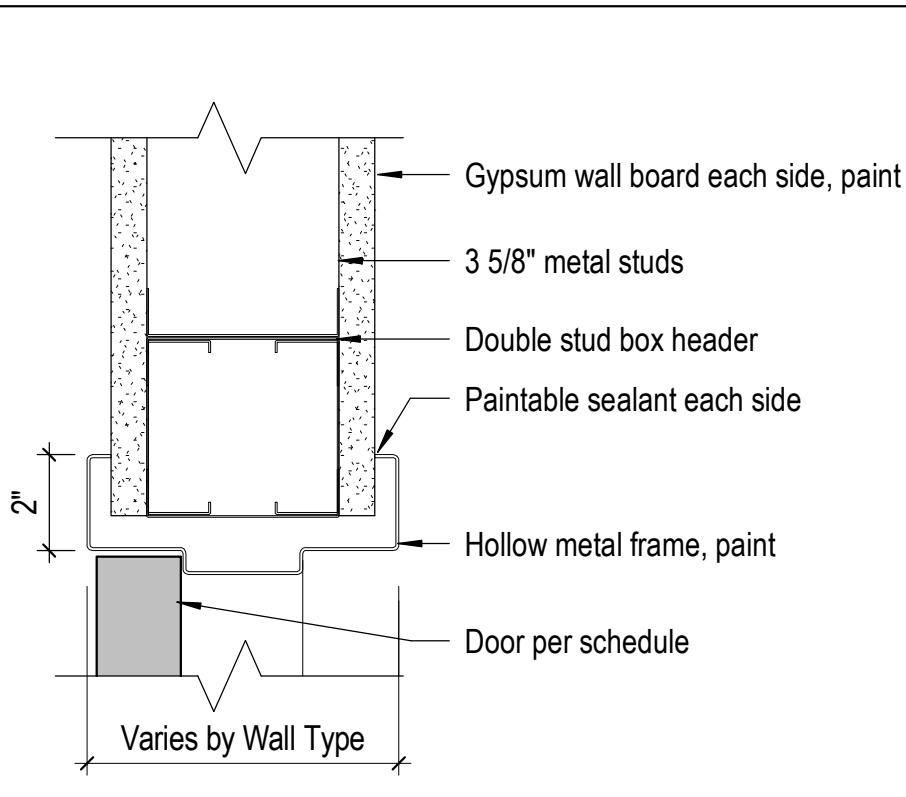








Notes:  
1. Refer to floor plans for specific wall types.  
2. Frames sized to wall thickness plus finishes.



Notes:  
1. Refer to floor plans for specific wall types.  
2. Frames sized to wall thickness plus finishes.

3 Detail at Door Jamb - Hollow Metal

3" = 1'-0" 0 1" 2" 4"

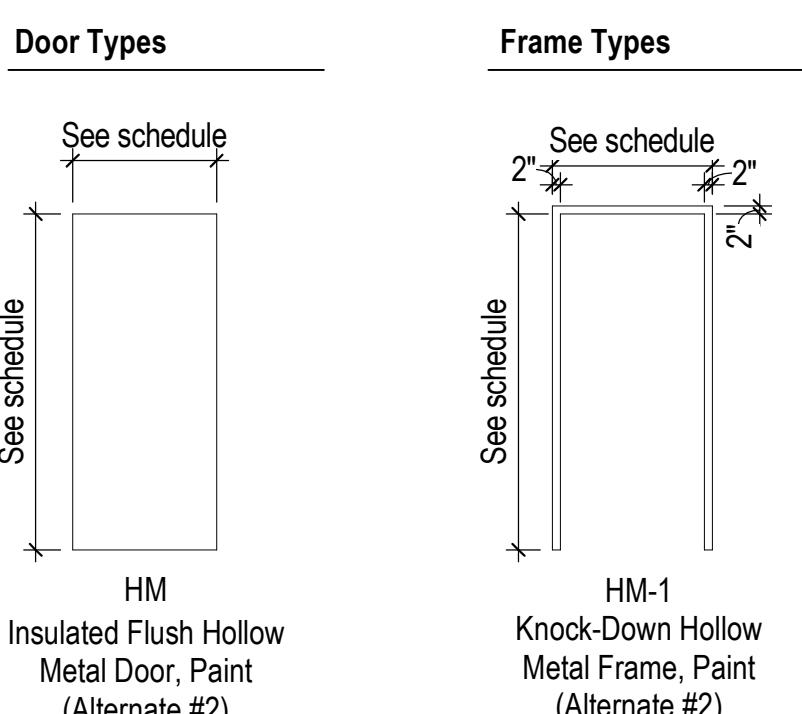
4 Detail at Door Head - Hollow Metal

3" = 1'-0" 0 1" 2" 4"

Door and Frame Schedule											
Door Number	Room Name	Door			Frame			Rating	Hardware Group	Notes	
		Type	Width	Height	Thickness	Type	Jamb				
112	A	Assembly	Existing	14' - 0"	14' - 0"	1 1/2"	Existing	Existing	None	1	1, 2
114	B	Elec. / Data	Existing	6' - 0"	7' - 0"	1 3/4"	Existing	Existing	None	2	1, 2
114	C	Elec. / Data	HM	3' - 0"	7' - 0"	1 3/4"	HM-1	3 / A-601	4 / A-601	None	3

Notes:  
1. Existing door hardware and security devices to remain.  
2. Provide new weather seals at existing exterior door, see Hardware Group schedule.  
3. Paint new doors and frames to match adjacent wall, Alternate #2.

Hardware Group:  
1.0  
1 Pair Surface Mounted Astragal Seal Full Height (Interior and Exterior), "Zero" 41AA Exterior Security Meeting Stile, or similar  
1 Set Full Perimeter Gasket  
1 Pair Bottom Sweep  
  
2.0  
1 Pair Overhead Door Surface Mounted, 2" Wide - 45° Side Seal, Gray  
1 Top Seal  
1 Flexible Bottom Seal  
  
3.0 (Alternate #2)  
3 Hinges, Heavy Duty  
1 Passage Set  
1 Set Silencers



2 Door Schedule

Not to Scale

Room Number	Room Name	Floor Finish	Base Finish	Walls				Ceiling Finish	Ceiling Height	Comments
				North	East	South	West			
101	Lobby	Existing to Remain	--	--	--	--	--	Existing To Remain	8'-8"	
102	Recruiter Office	Existing to Remain	--	--	--	--	--	Existing To Remain	8'-8"	Alt. #1: LVT flooring
103	CO Office	Existing to Remain	--	--	--	--	--	Existing To Remain	8'-8"	Alt. #1: LVT flooring
104	1st Sergeant	Existing to Remain	--	--	--	--	--	Existing To Remain	8'-8"	Alt. #1: LVT flooring
105	Office 1	Existing to Remain	RB-1	PT-1	PT-1	PT-1	PT-1	PT-2	8'-7"	Alt. #1: LVT flooring
106	Office 2	Existing to Remain	RB-1	PT-1	PT-1	PT-1	PT-1	PT-2	8'-7"	Alt. #1: LVT flooring
107	Office 3	Existing to Remain	RB-1	PT-1	PT-1	PT-1	PT-1	PT-2	8'-7"	Alt. #1: LVT flooring
108	Office 4	Existing to Remain	RB-1	PT-1	PT-1	PT-1	PT-1	PT-2	8'-7"	Alt. #1: LVT flooring
109	Ord. Storage	Existing to Remain	--	--	--	--	--	--	--	No Work This Area
110	Supply	Existing to Remain	--	--	--	--	--	Existing To Remain	8'-7"	No Work This Area
110A	Closet	Existing to Remain	--	--	--	--	--	--	--	No Work This Area
111	Supply	Existing to Remain	--	--	--	--	--	--	--	No Work This Area
112	Assembly	Existing to Remain	--	--	--	--	--	Existing To Remain	16'-8"	
113	Storage	Existing to Remain	RB-1	--	PT-1	--	--	Open	Open	Alt. #2 - Finishes at new wall only.
114	Elec. / Data	Existing to Remain	RB-1	--	--	--	--	Open	Open	Alt. #2 - Finishes at new wall only.
115	Classroom	Existing to Remain	--	--	--	--	--	Existing To Remain	7'-7"	Alt. #1: LVT flooring
115A	Mech.	Existing to Remain	--	--	--	--	--	--	--	Open
116	Office	Existing to Remain	--	--	--	--	--	--	--	Alt. #1: LVT flooring
117	Office	Existing to Remain	--	--	--	--	--	--	7'-7"	Alt. #1: LVT flooring
117A	Clo.	Existing to Remain	--	--	--	--	--	--	--	No Work This Area
117B	Clo.	Existing to Remain	--	--	--	--	--	--	--	No Work This Area
117C	Clo.	Existing to Remain	--	--	--	--	--	--	--	No Work This Area
117D	Clo.	Existing to Remain	--	--	--	--	--	--	--	No Work This Area
118	Kitchen	Existing to Remain	--	--	--	--	--	--	8'-8"	No Work This Area
119	Women's Latrine	Existing to Remain	--	--	--	--	--	PT-3	9'-3"	Epoxy floor finish at showers
119A	Mech.	Existing to Remain	--	--	--	--	--	--	9'-3"	
120	Men's Latrine	Existing to Remain	--	--	--	--	--	PT-3	9'-3"	Epoxy floor finish at showers
120A	Jan.	Existing to Remain	--	--	--	--	--	--	9'-3"	
121	Office 5	Existing to Remain	RB-1	PT-1	PT-1	PT-1	PT-1	PT-2	8'-8"	Alt. #1: LVT flooring

Finish Legend:

Floors:

EP-1: Epoxy Finish

LVT-1: (Alt. #1) Mfr. - Shaw (or similar)

Style - Function + Flow 18"x18"

Color - To Be Determined, Eggshell Finish

RB-1: Rubber base, 4"

Color - Match Existing

Walls:

PT-1: Paint, Latex, General Walls, Sherwin Williams

Color - To Be Determined, Eggshell Finish

PT-2: Paint, Latex, Gypsum Ceilings, Sherwin Williams

Color - Ceiling White, Flat Finish

PT-3: Paint, Epoxy, Gypsum Ceilings, Sherwin Williams

Color - Ceiling White, Flat Finish

Ceilings:

PT-2: Paint, Latex, Gypsum Ceilings, Sherwin Williams

Color - Ceiling White, Flat Finish

Transition:

Schluter (or similar),

Brushed Nickel Finish

Notes:

1. Refer to floor plans for specific wall types.

2. Frames sized to wall thickness plus finishes.

3. Paint new doors and frames to match adjacent wall, Alternate #2.

4. Existing door hardware and security devices to remain.

5. Provide new weather seals at existing exterior door, see Hardware Group schedule.

6. Coordinate phasing with facility.

7. Coordinate with facility.

8. Coordinate with facility.

9. Coordinate with facility.

10. Coordinate with facility.

11. Coordinate with facility.

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33. Coordinate with facility.

34. Coordinate with facility.

35. Coordinate with facility.

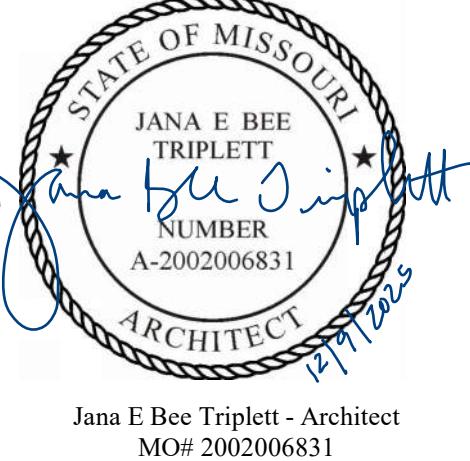
36. Coordinate with facility.

37. Coordinate with facility.

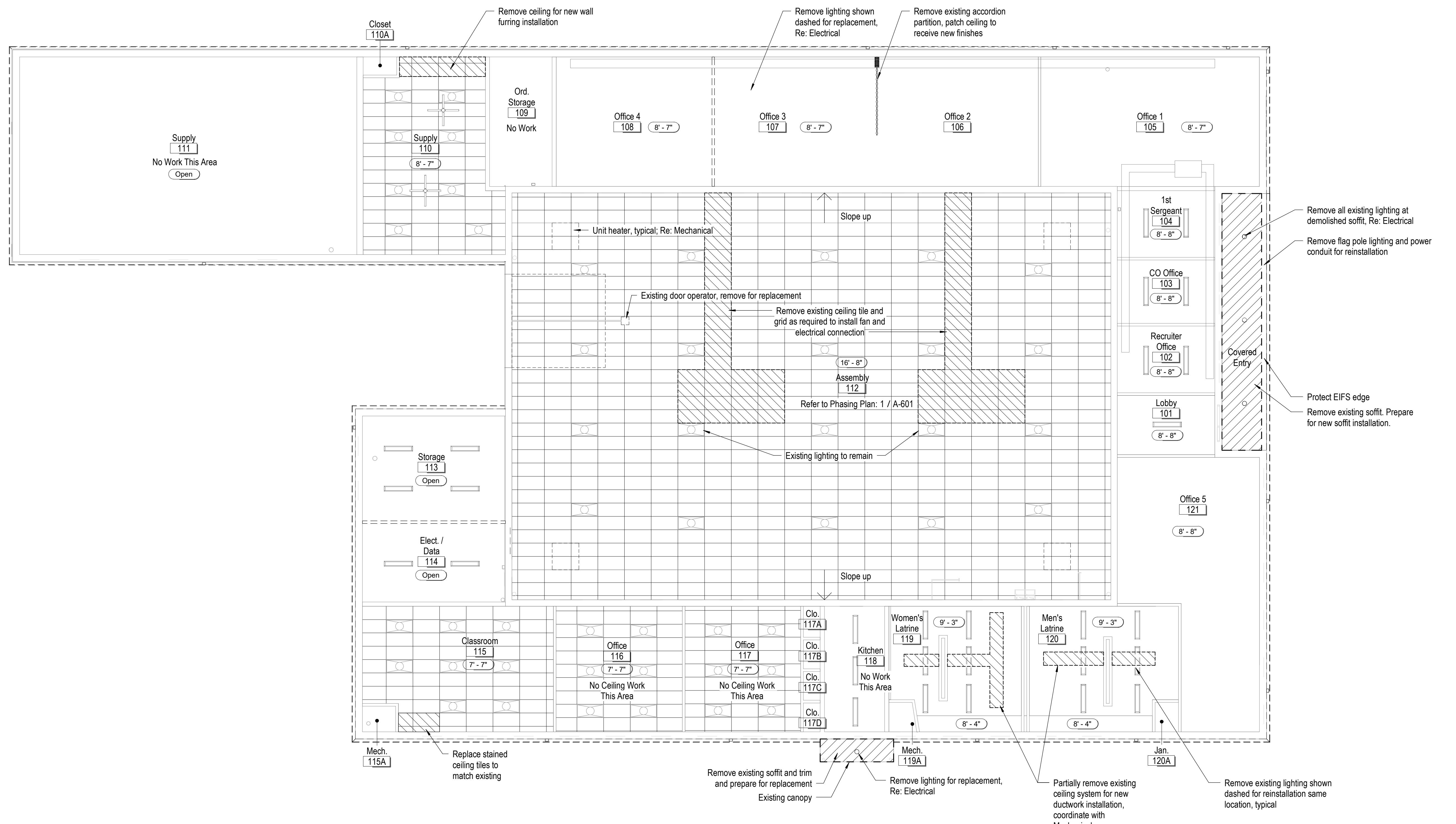
38. Coordinate with facility.

39. Coordinate with facility.

40. Coordinate with facility.



Jana E Bee Triplett - Architect  
MO# 2002006831



**GastingerWalker**

Construction Managers

Interior Designers

Kansas City Missouri 64105 816.421.8200

Architects

817 Wyandotte

Project Number: 2024.345

gastingerwalker.com

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Missouri National Guard

475 South Davis Ave.  
Marshall, MO 65340

PROJECT # T2423-01  
SITE # 6265  
ASSET # 8136265008

REVISION:  
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REVISION:  
DATE:  
ISSUE DATE: 12/8/2025

CAD DWG FILE: A-701  
DRAWN BY: JKjy  
CHECKED BY:  
DESIGNED BY: GW&  
SHEET TITLE:

Reflected Ceiling Plan -  
Demolition

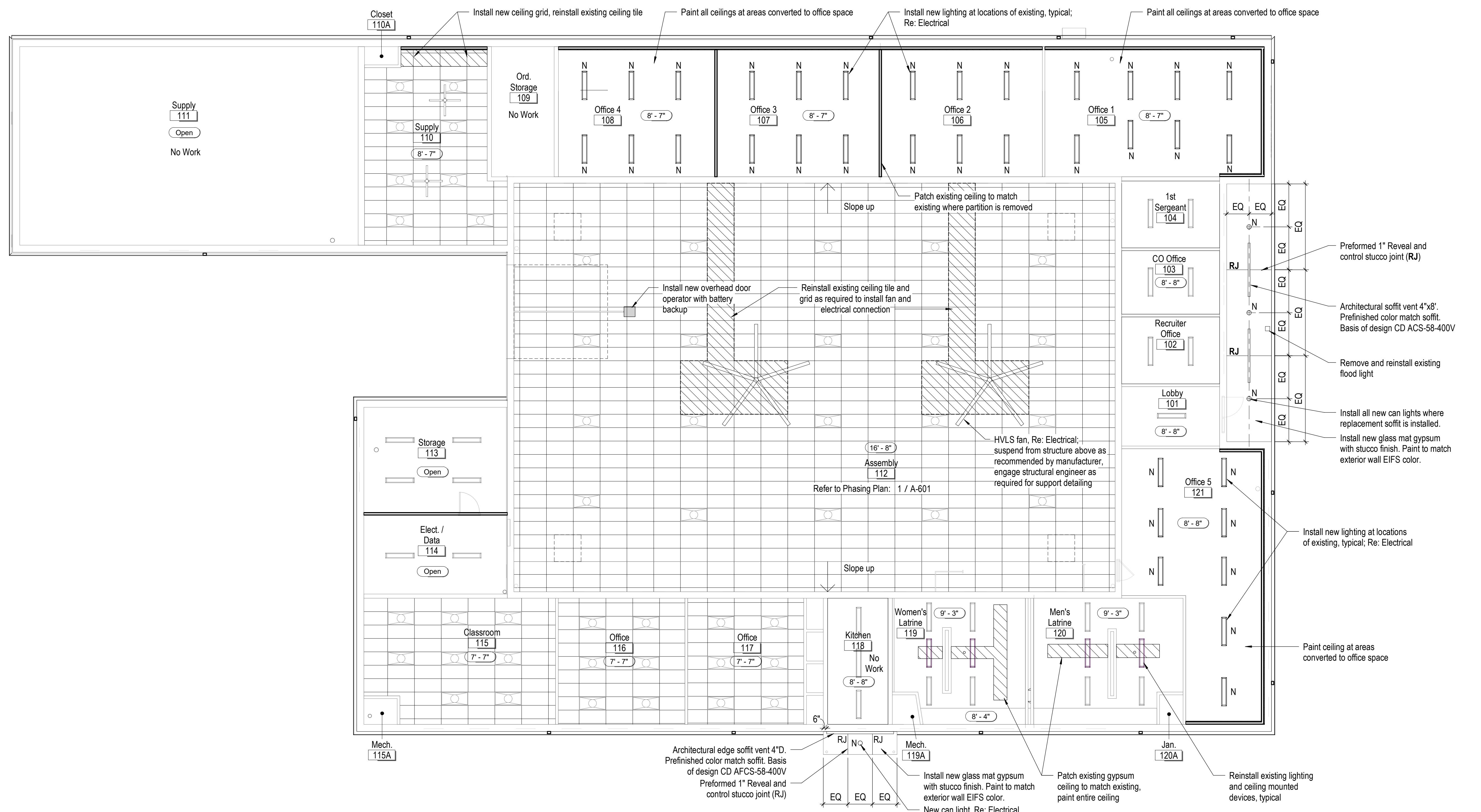
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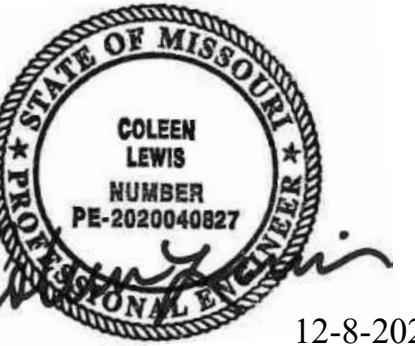


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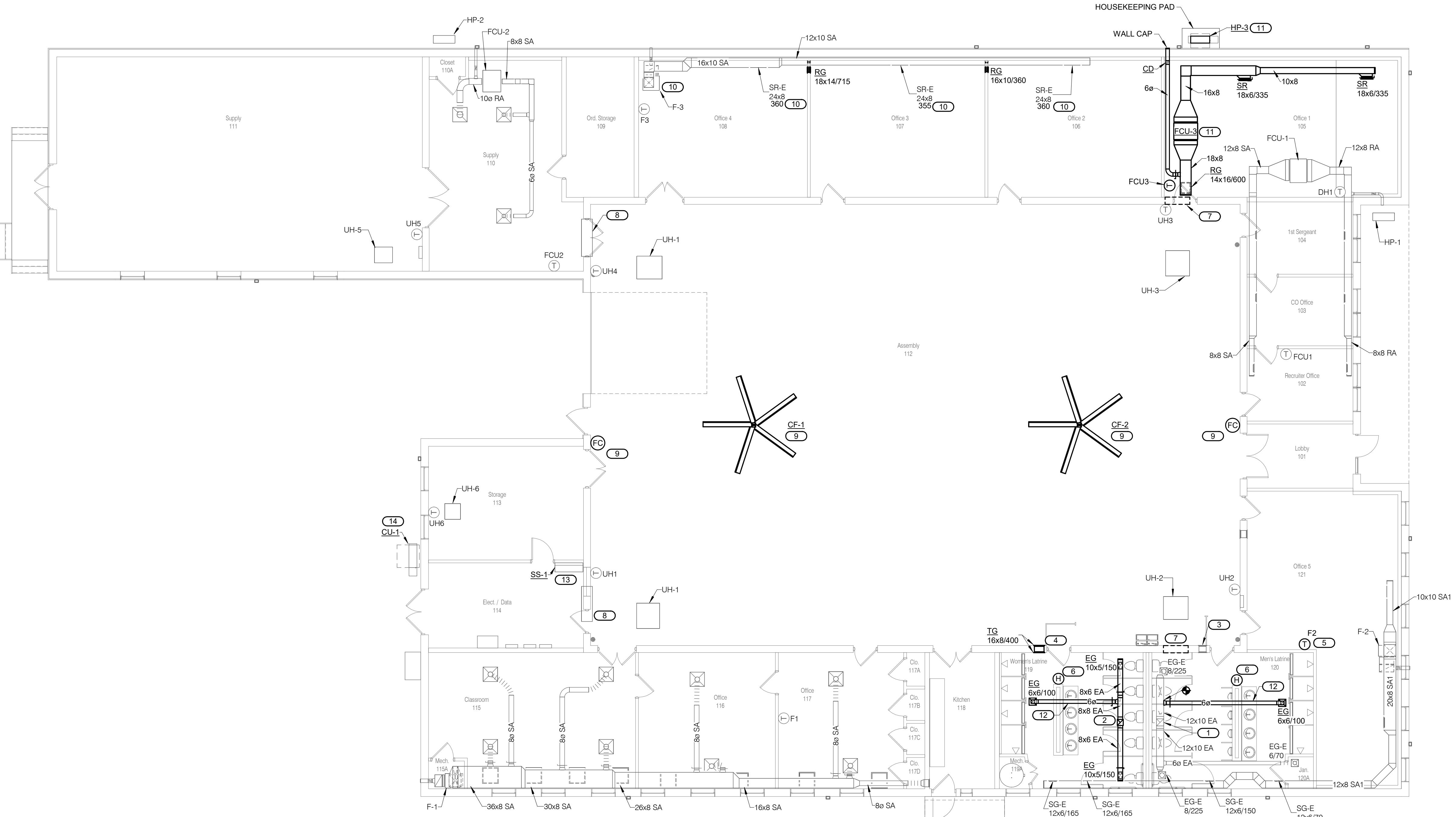






12-8-2025

Coleen Lewis - Engineer  
MO#2020040827



1 LEVEL 01 PLAN - VENTILATION

1/8" = 1'-0"

**KEYNOTES:**

- 12x12 EXHAUST DUCT UP TO EF-1. PROVIDE TRANSITION, AS REQUIRED, AT NEW FAN INLET AND INSTALL PER FAN MANUFACTURER'S INSTRUCTIONS.
2. PROVIDE 10x10 EXHAUST DUCT UP TO EF-2. PROVIDE TRANSITION, AS REQUIRED, AT FAN INLET AND INSTALL PER FAN MANUFACTURER'S INSTRUCTIONS.
3. 12x12 TRANSFER AIR DUCT AND GRILLES TO REMAIN.
4. PROVIDE 16x8 TRANSFER AIR DUCT, INSTALL GRILLES WITH BLADE OPENINGS POINTED TOWARD THE CEILING.
5. RELOCATE EXISTING THERMOSTAT FROM MEN'S LATRINE TO THIS LOCATION FOR INCREASED ACCURACY OF OCCUPIED SPACE TEMPERATURE.
6. PROVIDE HUMIDITY CONTROLLER TO CONTROL EXHAUST FAN SPEED DURING TIMES OF HIGH HUMIDITY. REFER TO EF SEQUENCE OF OPERATION ON SHEET M500.
7. PROVIDE MAKEUP AIR LOUVER (L-1) WITH BACKDRAFT DAMPER, COUNTER BALANCED TO ASSIST IN OPENING, ABOVE IN WINDOW OPENING IN HIGH WALL. REFER TO M212.
8. FAN IN HIGH WALL SHALL REMAIN.
9. PROVIDE HIGH VOLUME LOW SPEED FAN (CF-1) WITH MANUFACTURER'S AT-WILL FAN CONTROLLER (FC). PROVIDE ALL REQUIRED ACCESSORIES AND MATERIALS TO INSTALL PER MANUFACTURER'S INSTRUCTIONS.
10. REBALANCE SYSTEM TO PROVIDE NEW AIRFLOW AS INDICATED.
11. PROVIDE HEAT PUMP SPLIT SYSTEM AS SCHEDULED AND SPECIFIED, COMPLETE WITH ALL ACCESSORIES FOR A FULLY OPERATIONAL HEATING/COOLING SYSTEM. SECURE INDOOR UNIT AND DUCT TO STRUCTURE. PROVIDE CONCRETE HOUSEKEEPING PAD FOR OUTDOOR UNIT PER SPECIFICATION.
12. PROVIDE ALUMINUM DUCTWORK TO PREVENT RUSTING WHEN REMOVING MOIST AIR FROM THE SPACE.
13. PROVIDE DUCTLESS MINI SPLIT SYSTEM AS SCHEDULED WITH ALL REQUIRED ACCESSORIES, PIPING, CONTROLS, ETC. AS REQUIRED FOR A FULLY FUNCTIONAL AND CODE COMPLIANT COOLING SYSTEM.
14. COORDINATE WITH GC AND OWNER FOR FINAL MOUNTING LOCATION OF CONDENSING UNIT ON EXTERIOR WALL OF BUILDING APPROXIMATELY 18" ABOVE FINISHED GRADE.

**GastingerWalker &**

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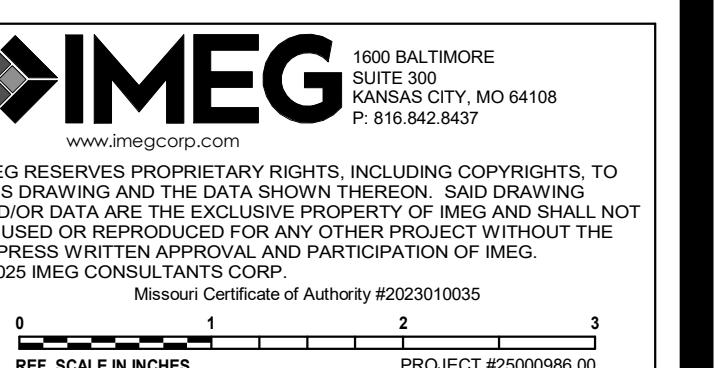
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DRAWN BY: WM  
CHECKED BY: KLR  
DESIGNED BY: CL

SHEET TITLE:

LEVEL 01 PLAN -  
VENTILATION

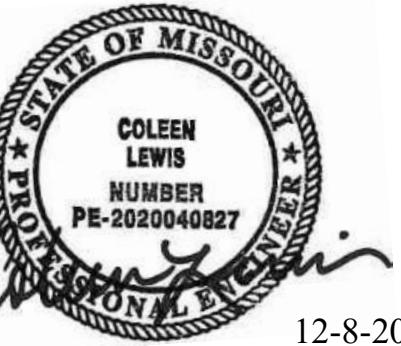


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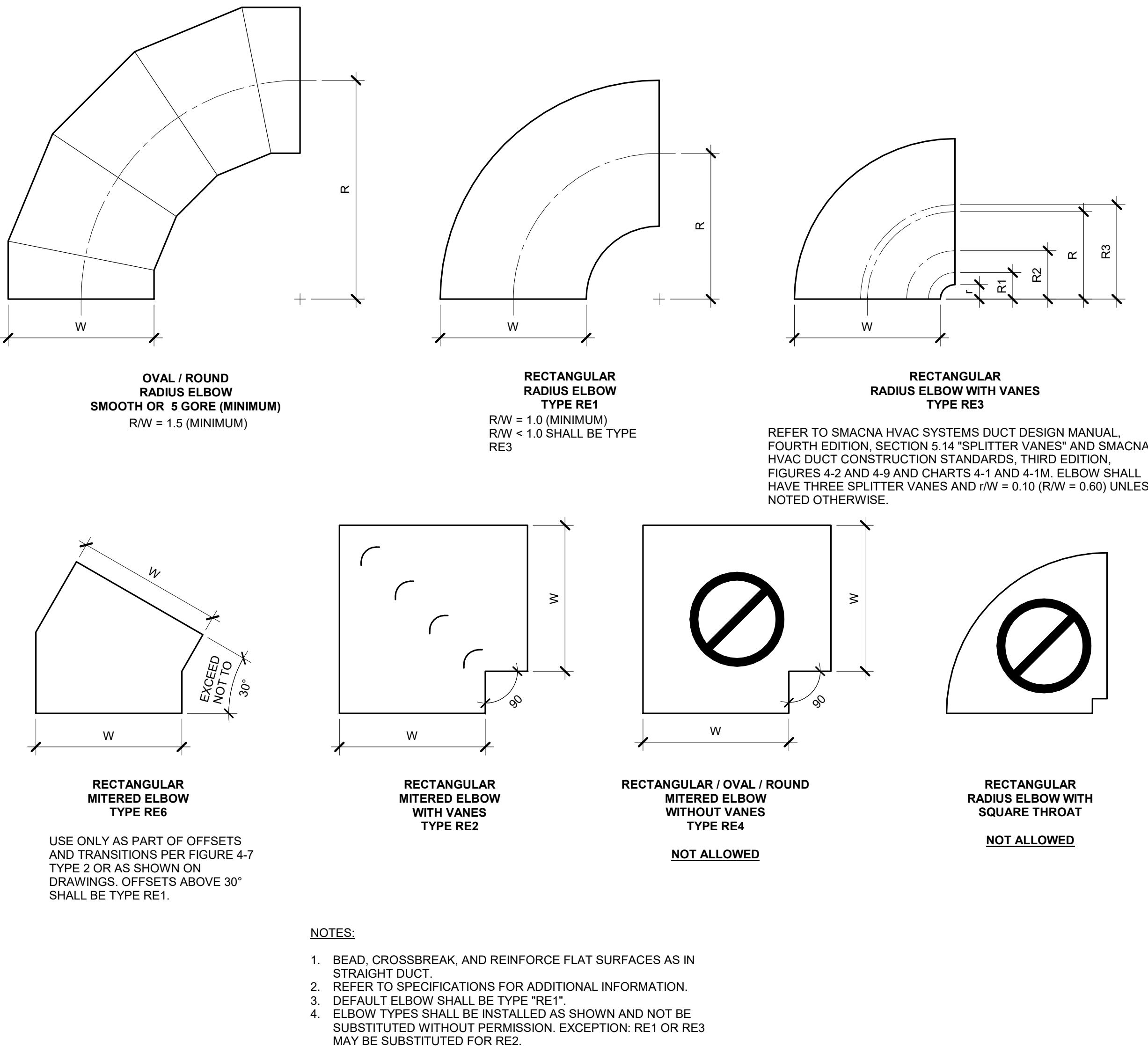
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12/8/2025



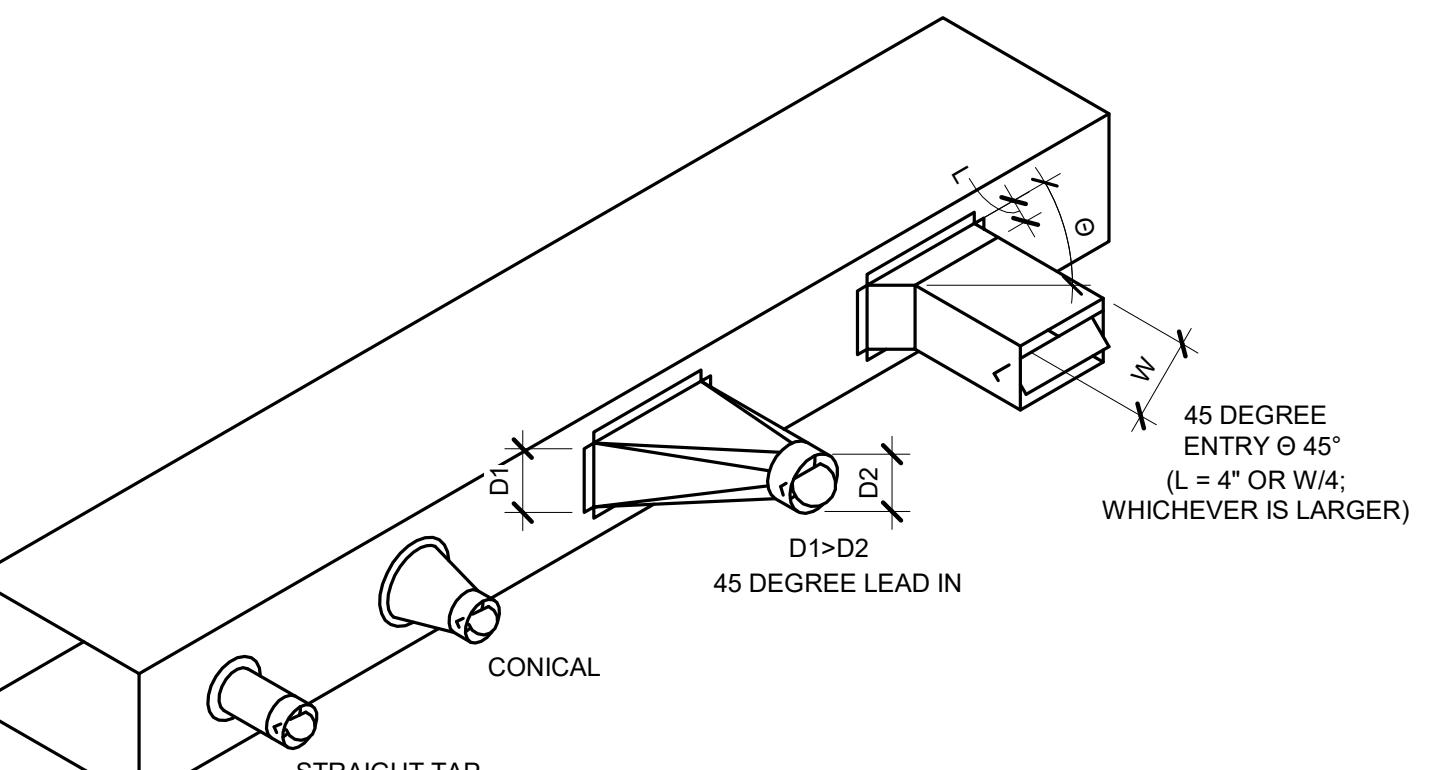
12-8-2025

Coleen Lewis - Engineer  
MO#2020040827



## 1 DUCT - ELBOW CONSTRUCTION

NO SCALE

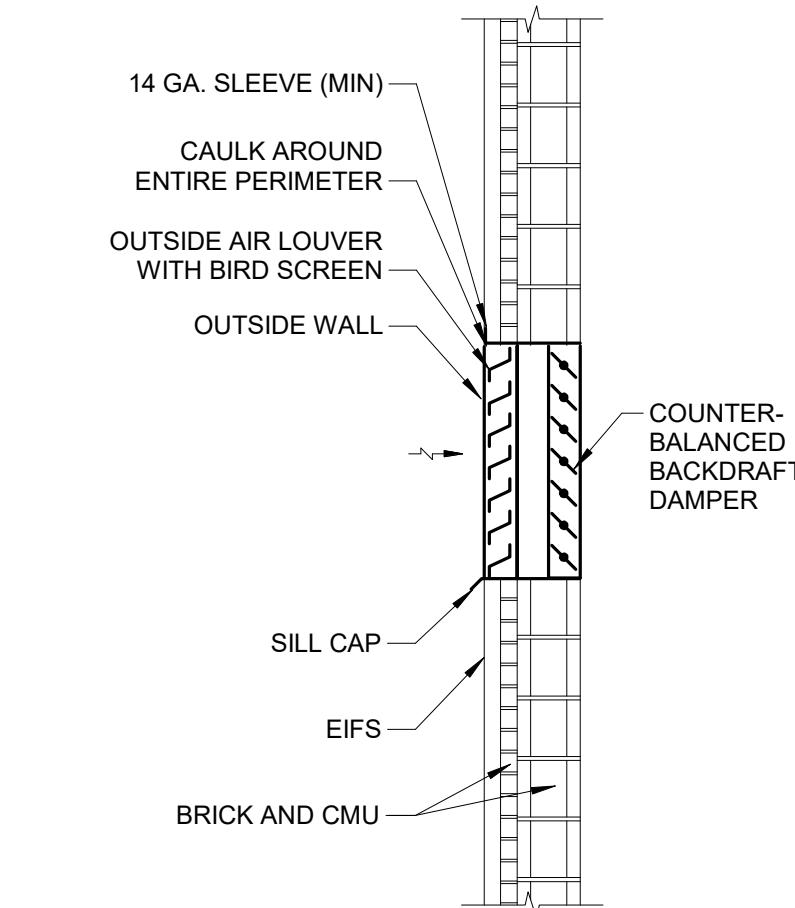


NOTES:

1. BEAD, CROSSBREAK, AND REINFORCE FLAT SURFACES AS IN STRAIGHT DUCT.
2. REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION.
3. DEFAULT ELBOW SHALL BE TYPE "RE1".
4. ELBOW TYPES SHALL BE INSTALLED AS SHOWN AND NOT BE SUBSTITUTED WITHOUT PERMISSION. EXCEPTION: RE1 OR RE3 MAY BE SUBSTITUTED FOR RE2.

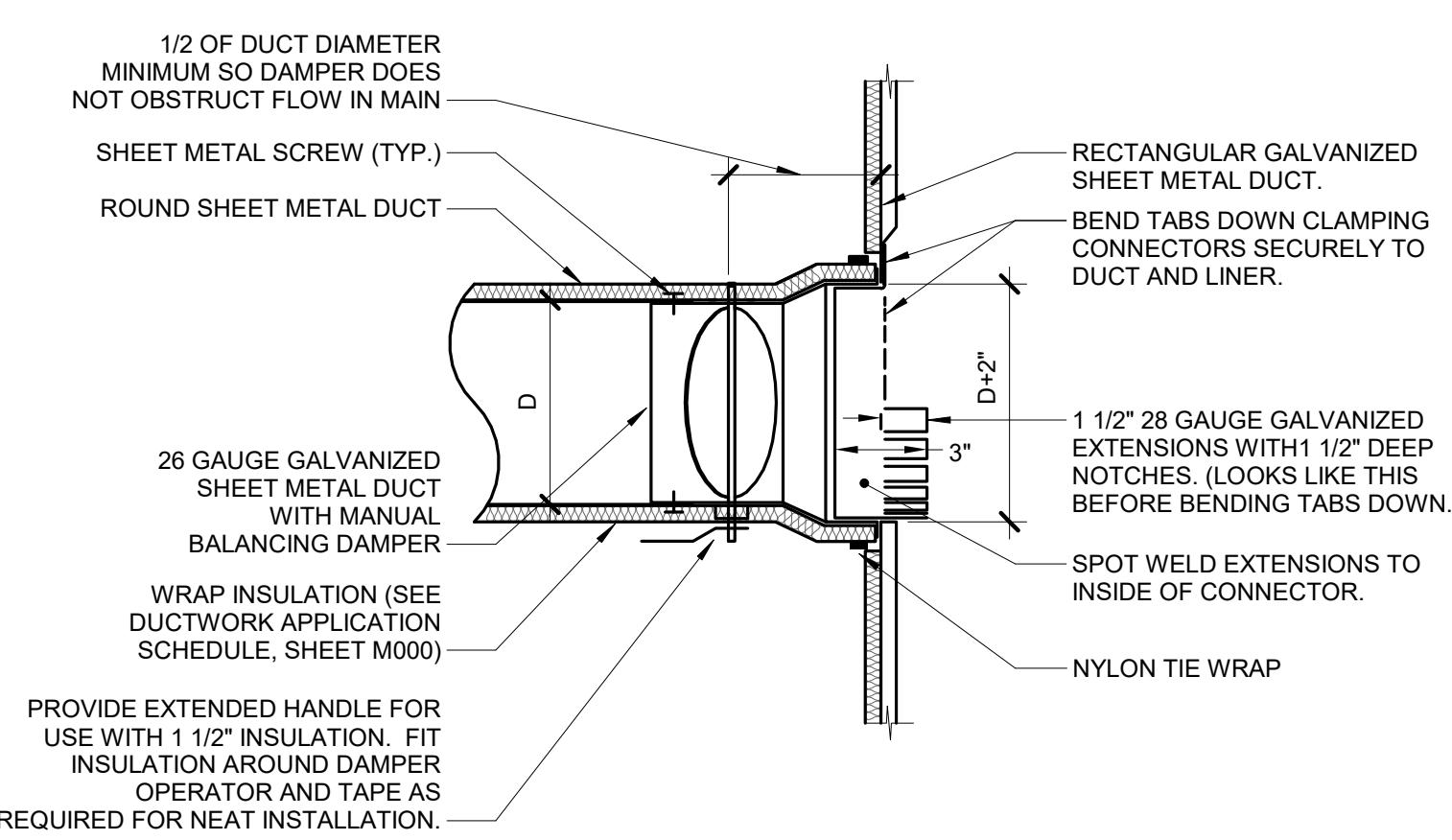
## 2 DUCT - BRANCH CONNECTIONS

NO SCALE



## 3 LOUVER INSTALLATION

NO SCALE

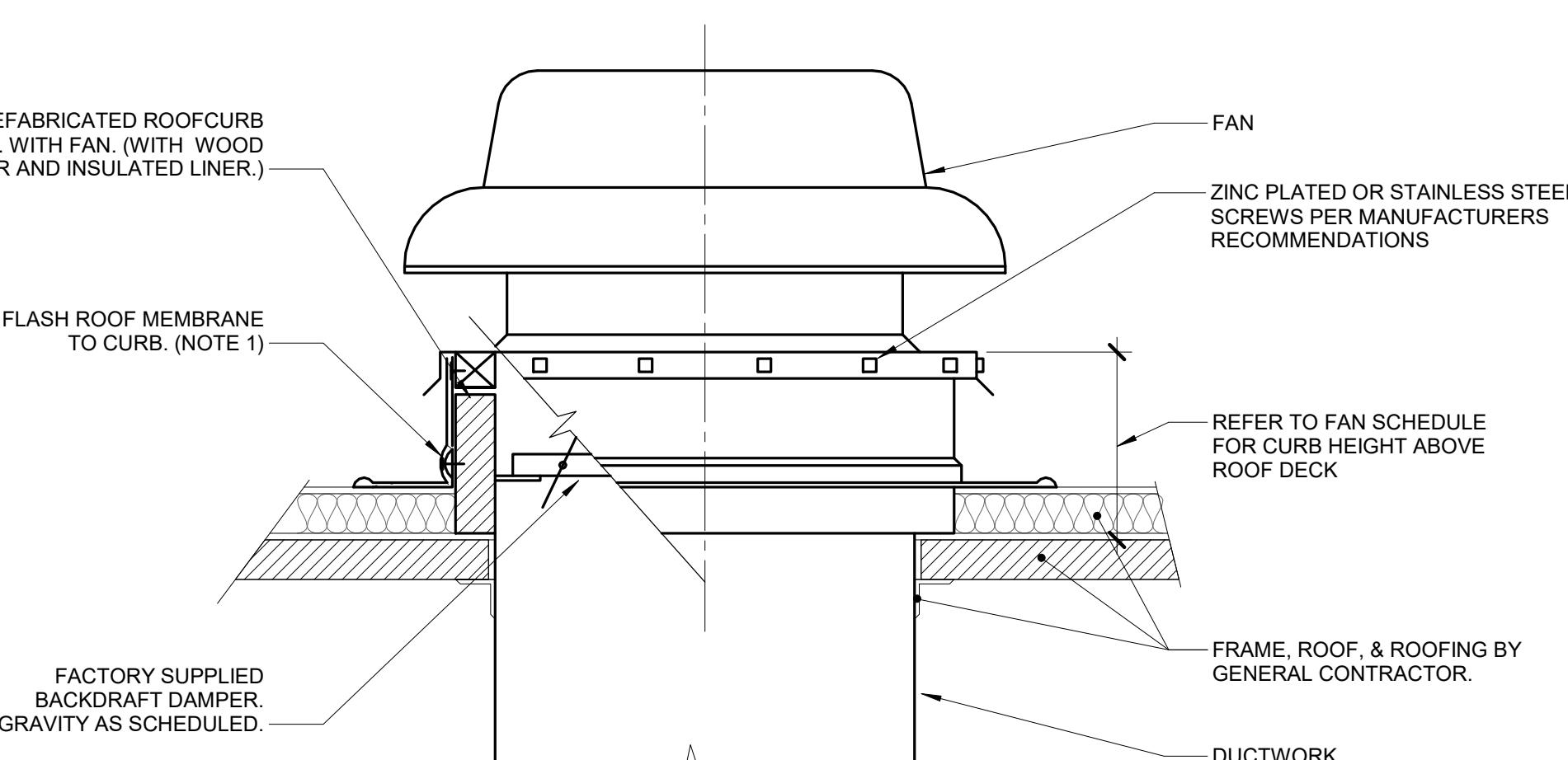


NOTES:

1. THIS DETAIL APPLIES ONLY TO TAPS OFF LINED DUCTS.
2. TAP DOES NOT NEED TO BE CONICAL IF THE TAP IS NOT LOCATED BETWEEN FANS AND TERMINAL AIR BOXES, DUCT IS NOT OVER 2' PRESSURE CLASS, AND ROUND DUCT IS NOT OVER 12' DIAMETER.

## 4 DUCT - HARD CONICAL TO LINED DUCT CONNECTION

NO SCALE



NOTES:

1. ALL ROOF FLASHING SHALL BE PER ROOFING MANUFACTURERS RECOMMENDATIONS.

## 5 ROOF FAN/HOOD CURB

NO SCALE



M400

SHEET 16 OF 31

12/8/2025

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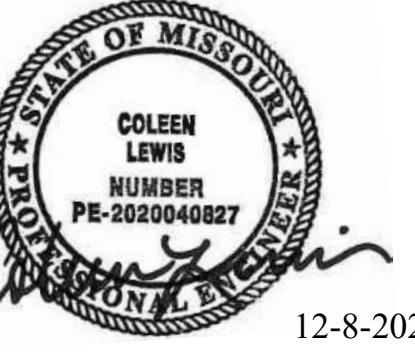
PROJECT # T2423-01  
SITE # 6265  
ASSET # 8136265008

REVISION:  
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DATE:  
ISSUE DATE: 12/8/2025

CAD DWG FILE:  
DRAWN BY: WM  
CHECKED BY: KLR  
DESIGNED BY: CL  
SHEET TITLE:

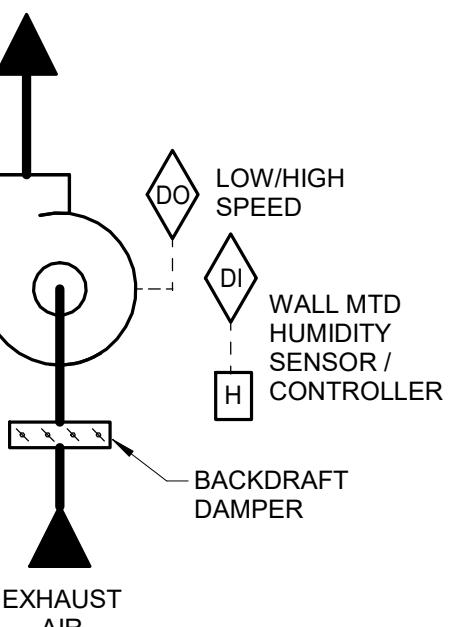
MECHANICAL  
DETAILS

SHEET NUMBER:



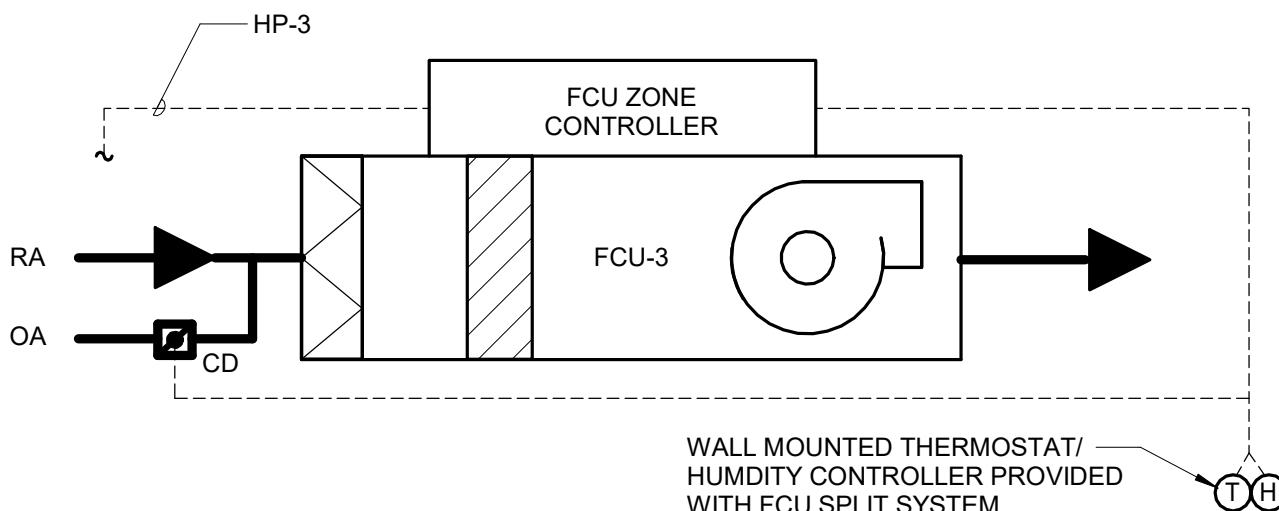
12-8-2025

Coleen Lewis - Engineer  
MO#2020040827



**SEQUENCE OF OPERATION:**  
EXHAUST FAN WITH EC MOTOR SHALL BE ENERGIZED CONTINUOUSLY AT 'LOW' SPEED TO REMOVE MINIMUM CFM AS SCHEDULED.  
SPACE RELATIVE HUMIDITY SETPOINT POINT 50% (ADJ.)  
UPON DETECTION OF SPACE RELATIVE HUMIDITY GREATER THAN SETPOINT (3%RH, ADJ.), THE HUMIDITY CONTROLLER SHALL INCREASE FAN SPEED TO 'HIGH' TO REMOVE MAXIMUM CFM AND DECREASE HUMIDITY.  
FAN CUTOUT TIMER SHALL BE ENABLED WHEN RELATIVE HUMIDITY IS BELOW SETPOINT. IF RELATIVE HUMIDITY DOES NOT RISE ABOVE SETPOINT FOR 5 MINUTES (ADJ.), THE HUMIDITY CONTROLLER WILL RETURN THE FAN MOTOR TO LOW SPEED.

**1 EXHAUST FAN - HUMIDITY CONTROL**  
NO SCALE



**SEQUENCE OF OPERATION:**  
THE FAN CONTROLLER SHALL CYCLE THE FAN AND MODULATE THE REFRIGERANT FLOW AS REQUIRED TO MAINTAIN THE SCHEDULED SPACE TEMPERATURE AND HUMIDITY SETPOINT AS MEASURED AT THE WALL MOUNTED THERMOSTAT/HUMIDITY CONTROLLER.

OUTSIDE AIR CONTROL DAMPER (CD) SHALL MODULATE OPEN AT THE START OF THE OCCUPIED MODE AND MODULATE CLOSED FOR UNOCCUPIED HOURS.

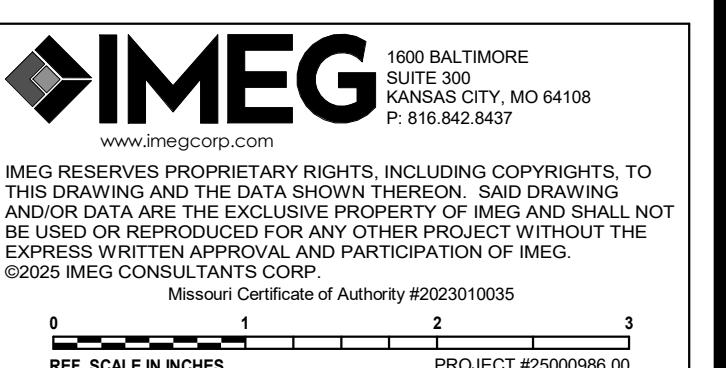
**AUTO-CHANGEOVER:**  
THE FAN CONTROLLER SHALL DETERMINE WHETHER HEATING OR COOLING IS REQUIRED BASED ON THE TEMPERATURE SETPOINTS.

**FAN CONTROL:**  
• AUTO – THE FAN CONTROLLER DETERMINES THE OPTIMAL FAN SPEED TO REACH THE TEMPERATURE SETPOINT.  
• FIXED SPEED (MANUAL ADJ.) – THE FAN WILL RUN CONTINUOUSLY, AT ONE OF FIVE DIFFERENT SPEEDS.

SCHEDULES - DEFAULT OCCUPIED SETTINGS (ADJ.):					
PERIOD	START TIME	HEAT (M-F)	COOL (M-F)	HEAT (S-S)	COOL (S-S)
MORNING	6:00 AM	69°	79°	69°	79°
MIDDAY	8:00 AM	61°	86°	61°	86°
EVENING	6:00 PM	69°	79°	69°	79°
NIGHT	10:00 PM	61°	83°	61°	83°

SPACE HUMIDITY - 60% RH (ADJ.)

**2 FAN COIL UNIT CONTROL WITH DEHUMIDIFICATION (FCU-3/HP-3)**  
NO SCALE



SHEET NUMBER:

**M500**

SHEET 17 OF 31

12/8/2025

**GastingerWalker &**  
Construction Managers | Interior Designers | Architects  
816.421.8200 | 64105 | 816.421.345  
Project Number: 2024.345  
Interior Designers Kansas City Missouri | Architects 817 Wyandotte Kansas City Missouri | Construction Managers

GastingerWalker & Architects, LLC.  
Missouri Certificate of Authority #2023012872

**OFFICE OF ADMINISTRATION DIVISION OF FACILITIES MANAGEMENT, DESIGN AND CONSTRUCTION**

Project Name:  
Readiness Center  
Missouri National Guard

475 South Davis Ave.  
Marshall, MO 65340

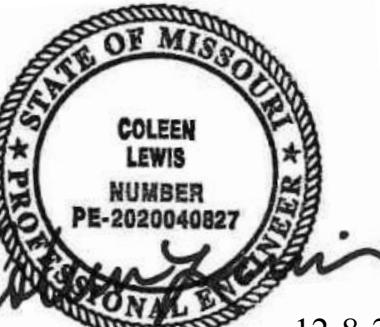
PROJECT # T2423-01  
SITE # 6265  
ASSET # 8136265008

REVISION:  
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REVISION:  
DATE:  
ISSUE DATE: 12/8/2025

CAD DWG FILE:  
DRAWN BY: WM  
CHECKED BY: KLR  
DESIGNED BY: CL

SHEET TITLE:

MECHANICAL CONTROLS



12-8-2025

Coleen Lewis - Engineer  
MO#2020040827

### SPLIT SYSTEM INDOOR UNIT SCHEDULE

NOTES:  
1. PROVIDE MANUFACTURER'S RECOMMENDED REFRIGERANT LINE SET.  
2. INDOOR UNIT TO BE POWERED BY OUTDOOR UNIT.  
3. PROVIDE A FLAT AND LEVEL NOMINAL 4" THICK HOUSEKEEPING PAD, 6" LARGER THE FOOT PRINT OF OUTDOOR UNIT ON ALL SIDES.  
4. PROVIDE CONDENSATE PUMP MODEL X87-721.  
5. PROVIDE WALL MOUNTED REMOTE CONTROLLER MODEL PAC-SDW01RC-1.  
6. PROVIDE DISCONNECT SWITCH MODEL TAZ-MS303.  
7. PROVIDE FILTER BOX MODEL FBM2-3A.  
8. PROVIDE WIND BAFFLE MODEL WB-PA3.

TAG NAME	SERVICE	ASSOC OUTDOOR UNIT	CFM		REFRIGERANT		COOLING		HEATING		EFFICIENCY		COND. PUMP		ELECTRICAL						FILTER		MAX DISCH NC	MAXIMUM DIMENSIONS (INCHES)			WEIGHT LBS		MANUFACTURER	MODEL	NOTES		
			DESIGN	OA	TYPE	CHARGE LBS	TOTAL MBH	TOTAL MBH	CLG SEER	HTG COP	REQ'D	VOLTS	PH	FLA	MCA	MOCP	DISCONNECT BY [A]	TYPE [B]	DISCONNECT BY [A]	TYPE [B]	CNTLR/ STARTER BY [A]	SCCR	EM PWR	TYPE	MERV	WIDTH	HEIGHT	DEPTH	OPERATING				
FCU-3	OFFICE 105	HP-3/ PPU-AK24NLHZ	670	50	454A	7.7	24	17	19.3	1.7	Yes	208	1	1.8	2.5	15	MFR	NF	MFR	NF	MFR	5,000	No	FLAT	8	57	43.5	10	29	67	MITSUBISHI	PEAD-AA24NL	1,2,3,4,5,6,7,8

### CONDENSING UNIT SCHEDULE

NOTES:  
1.COORDINATE WITH MANUFACTURER FOR LOW AMBIANT OPERATION DOWN TO 23°F FOR COOLING AND -17°F FOR HEATING.

TAG NAME	ASSOC. INDOOR UNIT	AREA SERVED	ALTITUDE FT	AMBIENT TEMP °F			REFRIGERANT			TONS	QTY	TYPE	QTY	VOLTS	PH	MCA	MOCP	ELECTRICAL			DISCONNECT BY [A]	TYPE [B]	CNTLR/ STARTER BY [A]	SCCR	EM PWR	SEER2	CONTROL DIAGRAM			MAXIMUM DIMENSIONS	WEIGHT LBS	MANUFACTURER	MODEL	NOTES
				SUMMER DRY BULB	SUMMER WET BULB	WINTER DRY BULB	TYPE	CHARGE LBS	NO. OF CIRCUITS									DISCONNECT BY [A]	TYPE [B]	CNTLR/ STARTER BY [A]	SCCR	EM PWR	SEER2	CONTROL DIAGRAM	WIDTH	HEIGHT	DEPTH	OPERATING						
HP-3	FCU-3/ PEAD-AA24NL	OFFICE 105	745	93.2	75.3	5.6	R454B	9.875	1	2	1	INVERTED	2	208	1	24	39	MFR	NF	MFR	5,000	No	19.3	2/M500	3'-6"	4'-5"	1'-2"	235	MITSUBISHI	PUZ-AK24NLHZ	1			

### FAN SCHEDULE (EF, RF, SF, etc.)

NOTES:  
1.PROVIDE MANUFACTURER'S TEMP/HUMIDITY CONTROLLER (PN 387127) AND SET TO "HUMIDITY ONLY MODE".

TAG NAME	SERVICE	CFM DESIGN	TOTAL S.P. IN. WC	RPM	FEI	MHP	BHP	TYPE	OPERATOR	VOLTS	PH	FLA	MCA	MOCP	ELECTRICAL			DISCONNECT BY [A]	TYPE [B]	CNTLR/ STARTER BY [A]	SCCR	EM PWR	CONTROL DIAGRAM			TYPE / BY [G]	HEIGHT	DETAIL	WIDTH	HEIGHT	DEPTH	OPERATING	MANUFACTURER	MODEL	NOTES
															DISCONNECT BY [A]	TYPE [B]	CNTLR/ STARTER BY [A]	SCCR	EM PWR	TYPE / BY [G]	HEIGHT	DETAIL	WIDTH	HEIGHT	DEPTH	OPERATING									
EF-1	MEN'S EXHAUST	520	620	0.25	1290	38	1/6	0.06	BACKDRAFT	GRAVITY	115	1	2.8	3.5	15	MFR	NF	MFR	ECM	5	No	1/M500	CURB / MFR	18"	5/M400	22"	14.6"	22"	54	GREENHECK	G-095-VG	1			
EF-2	WOMEN'S EXHAUST	300	400	0.25	1073	41	1/6	0.04	BACKDRAFT	GRAVITY	115	1	2.8	3.5	15	MFR	NF	MFR	ECM	5	No	1/M500	CURB / MFR	18"	5/M400	22"	14.6"	22"	54	GREENHECK	G-095-VG	1			

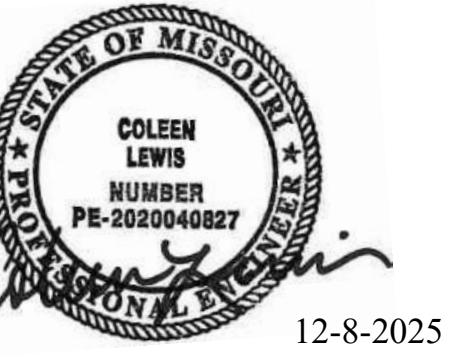
### CIRCULATING (CEILING) FAN SCHEDULE (CF)

NOTES:  
1.PROVIDE MILL FINISH BLADES.  
2.CONTROLLER PROVIDED BY MANUFACTURER AND INSTALLED BY M.C. LOW VOLTAGE WIRING FROM FAN TO CONTROL PAD BY T.C.  
3.VERIFY UNISTRUT LENGTH AND STEEL TRUSS MOUNTING BRACKET WITH MANUFACTURER PRIOR TO ORDERING.  
4.PROVIDE 1/2" DIA. UNISTRUT WELTS.  
5.PROVIDE MANUFACTURER'S STANDARD TOUCHSCREEN FAN CONTROL WITH TWO ROTATION DIRECTIONS, THREE FAN SPEEDS AND FULLY INTEGRATED WITH THE ONBOARD CONTROLS.  
6.SUPPLY WITH C-FACED MOTOR AND HERMETICALLY SEALED GEARBOX.  
7.INSTALL FAN 24" BELOW CEILING.  
8.PROVIDE CABLE BACK-UP SUPPORT.

TAG NAME	SERVICE	NO. OF BLADES	DIA	FAN RPM	W	VOLTS	PH	DISCONNECT BY [A]	TYPE [B]	CNTLR/ STARTER BY [A]	SCCR	WEIGHT LBS			MANUFACTURER	MODEL	NOTES
												DISCONNECT BY [A]	TYPE [B]	CNTLR/ STARTER BY [A]	SCCR	EM PWR	OPERATING
CF-1	ASSEMBLY	5	14'-0"	51	175	115	1	MFR	NF	MFR	0	No	110	GREENHECK	DC-5-14-13LV	1,2,3,4,5,6,7,8	
CF-2	ASSEMBLY	5	14'-0"	51	175	115	1	MFR	NF	MFR	0	No	110	GREENHECK	DC-5-14-13LV	1,2,3,4,5,6,7,8	

### LOUVER SCHEDULE

NOTES:  
1.FINISH TYPES: TYPE 1 - MILL FINISH, TYPE 2 - 204-R1 SATIN ANODIZED, TYPE 3 - BAKED ENAMEL FINISH ON PRETREATED PRIME PAINT, STANDARD COLOR - SELECTION BY ARCHITECT.  
TYPE 4 - BAKED EPOXY FINISH ON PRIME COATED METAL, STANDARD COLOR - SELECTION BY ARCHITECT. TYPE 5 - DURANODIC BRONZE - LIGHT, MEDIUM, DARK. TYPE 6 - PVDF (KYNAR 500, HYLAR 5000, OR DURANAR). STANDARD COLOR - SELECTION BY ARCHITECT.  
2.PROVIDE COUNTER BALANCED BACKDRAFT DAMPER TO ASSIST IN OPENING.



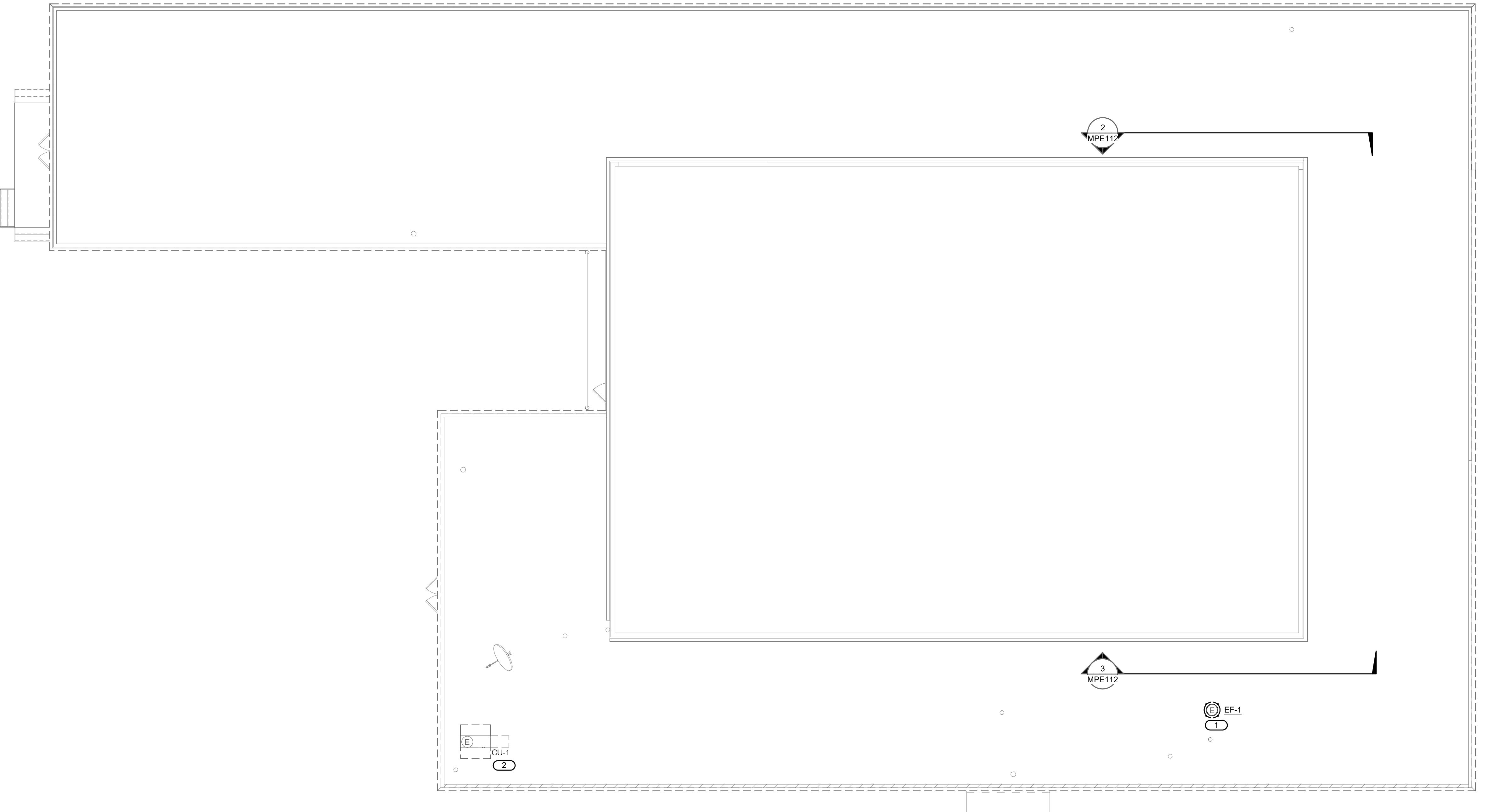
12-8-2025

Coleen Lewis - Engineer  
MO#2020040827

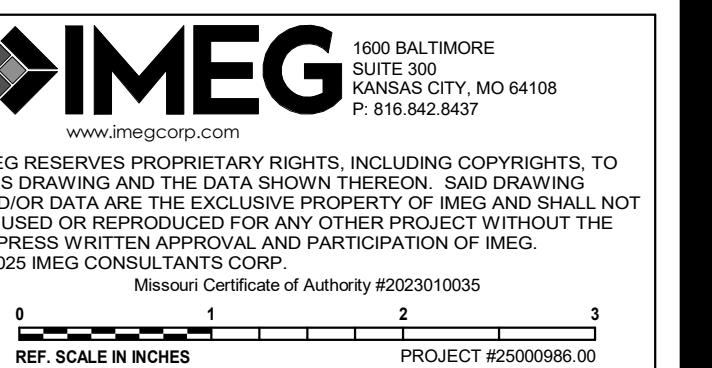


**KEYNOTES:**

1. REMOVE EXHAUST FAN (EF-1) AND ROOF CURB. ELECTRICAL SERVICE SHALL REMAIN AND WILL BE REUSED TO REFEED NEW EQUIPMENT.
2. CONDENSING UNIT SHALL REMAIN.
3. COORDINATE WITH THE GARDNER OWNER'S REPRESENTATIVE FOR THE REMOVAL OF ONE ENTIRE WINDOW AND FRAME. PROVIDE LEVEL, SMOOTH FLAT SURFACE FOR FUTURE INSTALLATION.



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



SHEET NUMBER:  
**MPE112**  
SHEET 19 OF 31  
12/8/2025

**GastingerWalker &**  
Architects 817 Wyandotte Kansas City Missouri 64105  
Interior Designers 816.421.8200 gastingwalker.com  
Construction Managers Project Number: 2024.345

GastingerWalker & Architects, LLC.  
Missouri Certificate of Authority #2023012872

**OFFICE OF  
ADMINISTRATION  
DIVISION OF FACILITIES  
MANAGEMENT,  
DESIGN AND  
CONSTRUCTION**

Project Name:  
Readiness Center  
Missouri National Guard

475 South Davis Ave.  
Marshall, MO 65340

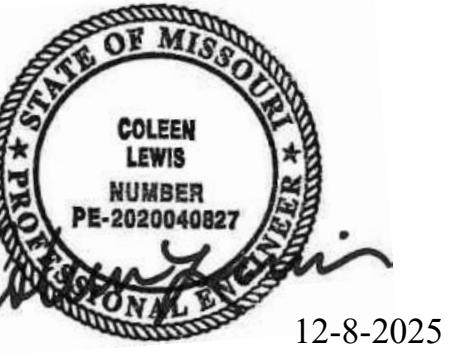
PROJECT # T2423-01  
SITE # 6265  
ASSET # 8136265008

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ISSUE DATE: 12/8/2025

CAD DWG FILE:  
DRAWN BY: WM  
CHECKED BY: KLR  
DESIGNED BY: CL

SHEET TITLE:

ROOF DEMOLITION  
PLAN



12-8-2025

Coleen Lewis - Engineer  
MO#2020040827

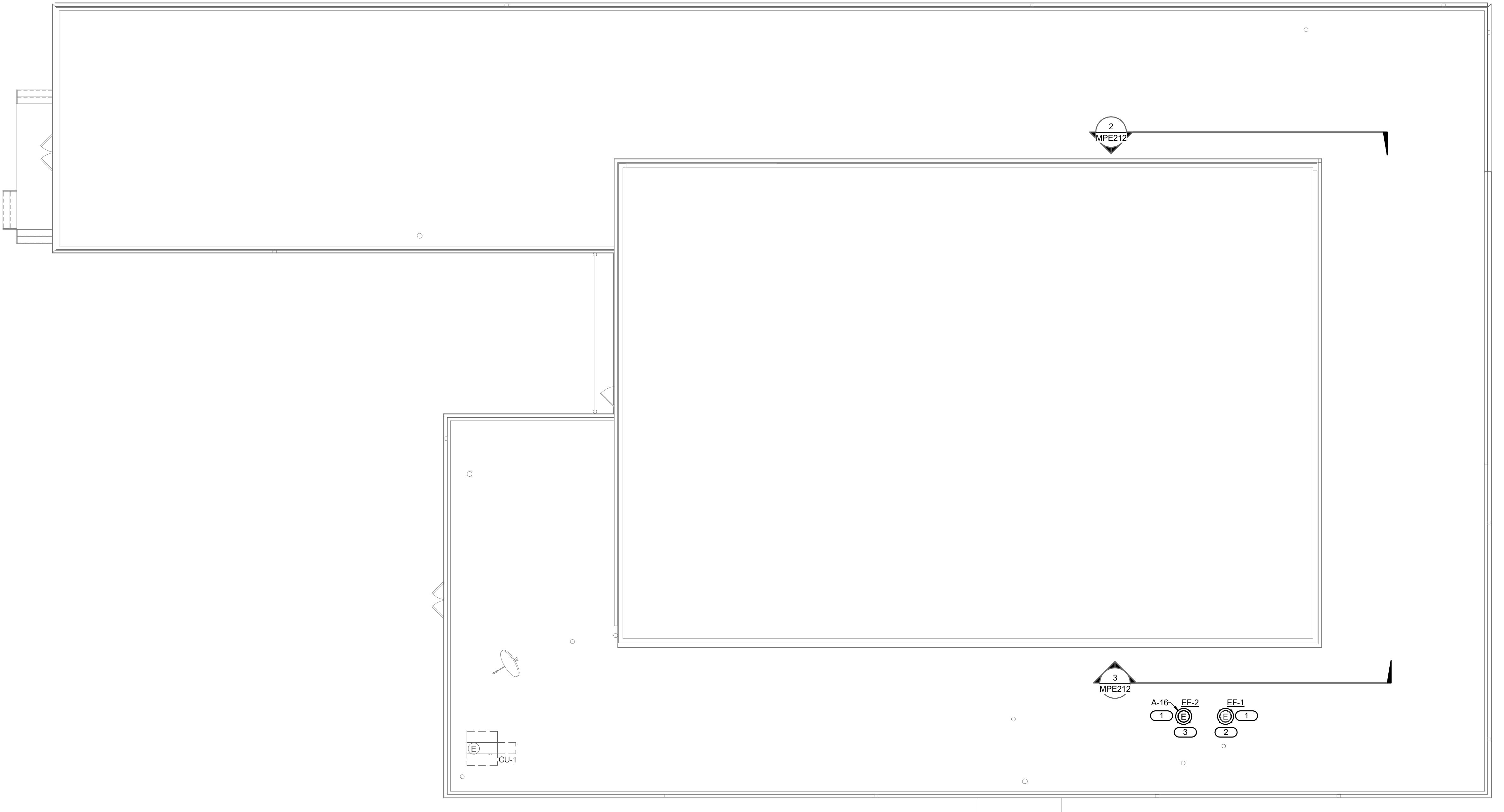


2 NORTH ELEVATION  
1/8" = 1'-0"

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

**KEYNOTES:**

1. PROVIDE EXHAUST FAN AND ROOF CURB AS SCHEDULED. INSTALL PER MANUFACTURER'S INSTRUCTIONS. COORDINATE INSTALLATION OF ROOF CURB WITH ROOFING CONTRACTOR TO MAINTAIN WARRANTY.
2. CONNECT EXHAUST FAN TO EXISTING CIRCUIT. CONNECTION IS MANUFACTURER PROVIDED. REFER TO SHEET MPE112 FOR MORE INFORMATION.
3. DISCONNECT FOR NEW EXHAUST FAN IS MANUFACTURER PROVIDED.
4. PROVIDE LOUVER (L-1) AND BACKDRAFT DAMPER AS SCHEDULED. COORDINATE WITH GENERAL CONTRACTOR OR OWNER'S REPRESENTATIVE FOR THE INSTALLATION OF BOTH. INSTALL COUNTER-BALANCE DEVICE THAT WILL ASSIST THE DAMPER TO OPEN PER DAMPER MANUFACTURER'S INSTRUCTIONS.



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

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KANSAS CITY, MO 64108  
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SHEET NUMBER:  
**MPE212**  
SHEET 20 OF 31

12/8/2025

**GastingerWalker &**  
Architects 817 Wyandotte Kansas City Missouri 64105  
Interior Designers 816.421.8200  
Construction Managers Project Number: 2024.345

GastingerWalker & Architects, LLC.  
Missouri Certificate of Authority: #2023012872

OFFICE OF  
ADMINISTRATION  
DIVISION OF FACILITIES  
MANAGEMENT,  
DESIGN AND  
CONSTRUCTION

Project Name:  
Readiness Center  
Missouri National Guard

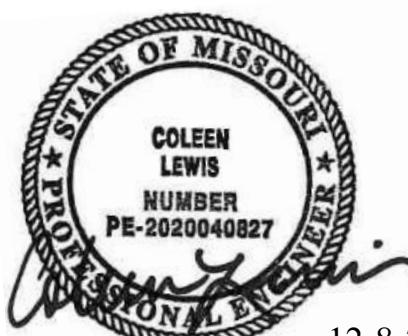
475 South Davis Ave.  
Marshall, MO 65340

PROJECT # T2423-01  
SITE # 6265  
ASSET # 8136265008

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CAD DWG FILE:  
DRAWN BY: WM  
CHECKED BY: KLR  
DESIGNED BY: CL  
SHEET TITLE:

ROOF PLAN



12-8-2025

Coleen Lewis - Engineer  
MO#2020040827

Project Name:  
Readiness Center  
Missouri National Guard

475 South Davis Ave.  
Marshall, MO 65340

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CHECKED BY: KLR  
DESIGNED BY: CL

SHEET TITLE:

PLUMBING  
COVERSHEET

SHEET NUMBER:

P000  
SHEET 21 OF 31

12/8/2025

VIEW KEY	
NAME 10'-0"	LEVEL NAME HEIGHT ABOVE PROJECT 0'-0"
KEYNOTE: INDICATES NOTE USED TO DESCRIBE ADDITIONAL INFORMATION ABOUT WORK REQUIRED, SPECIFIC TO THE SHEET AND/OR DETAIL	
INDICATES DIRECTION OF TRUE NORTH	
PLAN OR DETAIL NUMBER	
PLAN OR DETAIL NAME	
<b>VIEW NAME</b>	
1/8" = 1'-0"	
PLAN OR DETAIL SCALE	
INDICATES SIMILAR DETAIL REFERENCED IN MULTIPLE LOCATIONS	
SIM	
SIM	
DETAIL REFERRED TO BY SECTION CUT	
1	
M101	
SHEET DETAIL IS LOCATED ON	
T101	
LINE TYPE AND TAG KEY:	
NEW WORK BY THIS CONTRACTOR (WIDE LINE)	
NEW	
EXISTING TO BE REMOVED (SHORT DASHED PATTERN)	
NEW UNDERFLOOR OR UNDERGROUND (LONG DASHED PATTERN)	
EXISTING TO REMAIN OR WORK BY OTHERS (NARROW LINE)	
EXISTING	
EXISTING TO BE REMOVED BY OTHERS (SHORT DASHED PATTERN)	
EXISTING UNDERFLOOR OR UNDERGROUND (LONG DASHED PATTERN)	
HALFTONING DOES NOT MODIFY SCOPE.	
'TAG-E' TAGS WITH DASH 'E' INDICATES THE REFERENCED OBJECT IS EXISTING	
TAG-1 UNDERLINED TAG INDICATES OBJECT IS IN-SCOPE. IF NEW, ADDITIONAL INFORMATION IS AVAILABLE IN A SCHEDULE, MATERIAL LIST, OR SYMBOL LIST	
INDICATES AN EXISTING SYSTEM'S POINT OF CONNECTION/REMOVAL	

FIRE / SMOKE BARRIER DESIGNATIONS	
FIRE AND SMOKE SEPARATIONS ARE NOT SHOWN ON THESE DOCUMENTS. CONTRACTOR SHALL REVIEW THE ARCHITECTURAL PLANS AND DETERMINE THE LOCATIONS OF ALL FIRE AND SMOKE PARTITIONS, BARRIERS, AND WALLS. THIS INCLUDES FLOOR RATINGS. PRICING SHALL INCLUDE ALL MATERIALS AND LABOR REQUIRED TO MAINTAIN THE RATINGS OF ALL RATED SEPARATIONS, WHETHER SHOWN ON THE ENGINEERING PLANS OR NOT.	

PLUMBING MATERIAL LIST (PML)		
TAG NAME	DESCRIPTION	MANUFACTURER AND MODEL
FCO	FLOOR CLEANOUT - ADJUSTABLE, CAST IRON HOUSING, ANCHOR FLANGE, TAPERED THREAD PLUG, SECURED NICKEL BRONZE TOP. TOP STYLE SHALL MATCH FLOOR FINISH AS FOLLOWS: UNFINISHED FLOOR - ROUND.	ZURN (EZ1), JOSAM (55000), MIFAB (C1100), SMITH (4000), WADE (6000) WATTS (CO-200), SIOUX CHIEF (854 OR 834 SERIES)
LT	LAVATORY FAUCET ONLY: LAVATORY TRIM - SINGLE HANDLE MIXING FAUCET, BRASS CONSTRUCTION, CHROME-PLATED FINISH, CONVENTIONAL SPOUT WITH LAMINAR FLOW OUTLET, WASHERLESS PUSH-PULL LEVER HANDLE WITH SUPPLIES AT SINGLE HOLE, CERAMIC DISC CARTRIDGE, PERFORATED GRID STRAINER. MAXIMUM FLOW TO BE 0.5 GPM IN COMPLIANCE WITH ENERGY POLICY ACT OF 2005 AND ASME/ANSI STANDARD A112.18.1M. FAUCET SHALL COMPLY WITH FEDERAL ACT S.3874. PROVIDE RESTRICTIVE DEVICE AS REQUIRED.	CHICAGO FAUCET (Z920-E2805ABC), ZURN (Z92200-XL), AMERICAN STANDARD (6114.116.002), MOEN (8417), T&S BRASS (B-2701-VF05)
SHV	SHOWER HEAD AND MIXING VALVE ONLY: SHOWER VALVE - ACCESSIBLE, SINGLE HANDLE THERMOSTATIC MIXING FAUCET, BRASS OR BRONZE CONSTRUCTION, WASHERLESS DESIGN, OFF-COLD-HOT TEMPERATURE RANGE INDICATOR DIAL, POLISHED CHROME CAST METAL LEVER HANDLE, INTEGRAL CHECK-STOPS, ADJUSTABLE SAFETY LIMIT STOP, ASSE 1016 LISTED ACCESSORIES - ADJUSTABLE SPRAY HAND HELD SHOWER WITH 2.5 GPM FLOW & 6" CHROME-PLATED METAL HOSE AND QUICK DISCONNECT, CHROME-PLATED BRASS SHOWERHEAD WITH 24" SWIVEL BALL JOINT, ADJUSTABLE SPRAY, CHROME-PLATED BRASS ARM AND FLANGE, CHROME-PLATED BRASS SWIVEL CONNECTOR, 24" CHROME-PLATED MOUNTING RAIL, CHROME-PLATED BRASS SUPPLY ELBOW FLANGE, CHROME-PLATED IN-LINE VACUUM BREAKER WITH CHROME-PLATED PIPING AND FLANGES, CHROME-PLATED BRASS DIVERTER. INSTALL ALL CONTROLS BETWEEN 30" AND 48" ABOVE FINISHED FLOOR IN COMPLIANCE WITH LATEST ADA STANDARDS. INSTALL BOTTOM OF SHOWERHEAD AT 72" ABOVE FINISHED FLOOR. MAXIMUM FLOW TO BE 2.5 GPM IN COMPLIANCE WITH ENERGY POLICY ACT OF 2005 AND ASME/ANSI STANDARD A112.18.1M. SET SAFETY LIMIT STOP TO 110 DEGREE F DISCHARGE.	POWERS (E420-T12-4-6BW), DELTA (R10000-UNWS/T17TH155-20), LAWLER (3800), LEONARD (7600)
TD	TRENCH DRAIN - LOW PROFILE TRENCH SYSTEM FOR SHOWERS, (VARIETY) TRENCH LENGTH, TYPE 304 STAINLESS STEEL CHANNEL, FLANGE WITH HOLE, HOLES AND FABRIC WATERPROOFING MESH, NAME, REMOVABLE STAINLESS STEEL GRATE WITH HORIZONTAL SLOTS, WATERPROOFING MEMBRANE CLAMP, 2" CENTER OUTLET CONNECTION.	ZURN (ZS880), ACO (SHOWERDRAIN PREMIUM WEEPING FLANGE 92000 SERIES), INFINITY DRAIN (FCS)
URFV	FLUSH VALVE ONLY: FLUSH VALVE - EXPOSED, MANUAL OPERATION, 0.125 GALLONS PER FLUSH, 11-1/2" ROUGH-IN, CHROME-PLATED, 3/4" I.P.S. SCREWDRIVER STOP-CHECK VALVE, HIGH BACK PRESSURE VACUUM BREAKER, NON-HOLD-OPEN HANDLE, ADJUSTABLE TAILPIECE, SPUD COUPLING AND FLANGE, WALL FLANGE WITH SET SCREW, CHLORAMINE RESISTANT MATERIALS, 3-YEAR WARRANTY	ZURN (Z6003AV-ULF), SLOAN (196-0-125), AMERICAN STANDARD (6045.013), KOHLER (K-13520-CP), AMTC (MF-700-U18)
WCFV	FLUSH VALVE ONLY: FLUSH VALVE - EXPOSED, MANUAL OPERATION, 1.28 GALLONS PER FLUSH, 11-1/2" ROUGH-IN, CHROME PLATED, 1" I.P.S. SCREWDRIVER STOP-CHECK VALVE WITH VANDAL RESISTANT CAP, HIGH BACK PRESSURE VACUUM BREAKER, SPUD COUPLING AND FLANGE, WALL FLANGE WITH SET SCREW, NON-HOLD-OPEN HANDLE, ADJUSTABLE TAILPIECE, ADA COMPLIANT, 3-YEAR WARRANTY.	ZURN (Z6000AV-SM-HET), SLOAN (111-128), AMERICAN STANDARD (6047.121), KOHLER (K-13517-CP), TOTO (MT1LN3#2CP), AMTC (MF-700-T12)
YCO-1	YARD CLEANOUT - ROUND, DURA-COATED CAST IRON, SIZE AS LISTED ON DRAWINGS, DOUBLE FLANGED HOUSING, HEAVY DUTY SECURED SCORIATED DURA-COATED CAST IRON COVER, LIFTING DEVICE, BRONZE CLEANOUT PLUG WITH GAS/WATER-TIGHT SEAL.	ZURN (Z1474), SMITH (4261), WADE (8401), JOSAM (56860), WATTS (CO-200), MIFAB (C1300), SIOUX CHIEF (850-91-WITH 853-F)

PLUMBING SYMBOL LIST	
NOT ALL SYMBOLS MAY APPLY.	
SYMBOL:	DESCRIPTION:

PLUMBING ABBREVIATION KEY	
ABBR:	DESCRIPTION:
AD	ACCESS DOOR
AFF	ABOVE FINISHED FLOOR
BFP	BACKFLOW PREVENTER
BT	BATHTUB
CB	CATCH BASIN
CI	CAST IRON
CO	CLEANOUT
CS	CLINICAL SINK
DB	DIALYSIS BOX
DF	DRINKING FOUNTAIN
DI	DUCTILE IRON
DN	DOWN
E	EXISTING
EE	EMERGENCY EYEWASH
ES	EMERGENCY SHOWER
ESE	EMERGENCY SHOWER/EYEWASH
EWC	ELECTRIC WATER COOLER
FCO	FLOOR CLEANOUT
FD	FLOOR DRAIN
FM	FLOW METER
FS	FLOOR SINK
GD	GARBAGE DISPOSER
GI	GREASE INTERCEPTOR
HB	HOSE BIBB
I.E.	INVERT ELEVATION (FOR REFERENCE ONLY)
LAV	LAVATORY
MB	MOP BASIN
MH	MANHOLE
MV	MIXING VALVE
NIC	NOT IN CONTRACT
NT	NEUTRALIZATION TANK
OS	OIL SEPARATOR
RD	ROOF DRAIN
SCCR	SHORT CIRCUIT CURRENT RATING
SH	SHOWER
SK	SINK
SS	SERVICE SINK
TD	TRENCH DRAIN
TP	TRAP PRIMER
TYP	TYPICAL
UR	URINAL
VTR	VENT THROUGH ROOF
WC	WATER CLOSET
WCO	WALL CLEANOUT
WF	WASH FOUNTAIN
WH	WATER HEATER
WMF	WASHING MACHINE FIXTURE
WM	WATER METER
WS	WATER SOFTENER
UB	UTILITY BOX
UON	UNLESS OTHERWISE NOTED
YCO	YARD CLEANOUT

**MECHANICAL RENOVATION NOTES:**

THESE NOTES APPLY TO ALL MECHANICAL SHEETS AND TRADES, INCLUDING BUT NOT LIMITED TO, FIRE PROTECTION, PLUMBING, VENTILATION, PIPING AND TEMPERATURE CONTROL.

- EXISTING CONDITIONS ARE SHOWN BASED ON INFORMATION OBTAINED FROM FIELD SURVEY, EXISTING BUILDING DOCUMENTS AND STAFF. VERIFY EXISTING CONDITIONS AND REPORT ANY CONFLICTS BEFORE PROCEEDING.
- NOT ALL EXISTING DUCTWORK AND PIPING IS SHOWN. VERIFY EXISTING CONDITIONS BEFORE STARTING WORK. NOTIFY ENGINEER OF ANY CONFLICTS WITH NEW WORK.
- FIELD VERIFY THE AVAILABLE CLEARANCES FOR DUCTWORK AND PIPING BEFORE FABRICATION. RISES AND DROPS MAY BE NECESSARY BECAUSE OF EXISTING FIELD CONDITIONS.
- EACH CONTRACTOR SHALL FIELD VERIFY ACCESSIBILITY TO THE AREA OF THEIR WORK AND SHALL NOTIFY THE GENERAL CONTRACTOR PRIOR TO BIDDING IF OTHER UTILITIES ARE REQUIRED TO BE REMOVED OR RELOCATED TO ALLOW ACCESS TO THEIR AREA OF WORK.
- THE GENERAL CONTRACTOR IS RESPONSIBLE FOR CUTTING, REMOVAL AND PATCHING OF ROOFS, WALLS, AND FLOORS ASSOCIATED WITH WORK BY ALL CONTRACTORS. CONTRACTORS SHALL NOTIFY THE GC OF AFFECTED AREAS PRIOR TO BIDDING.
- THE GENERAL CONTRACTOR IS RESPONSIBLE FOR REMOVAL AND REPLACEMENT OF CEILINGS, CEILING TILES, AND CEILING GRIDS ASSOCIATED WITH AREAS OF WORK BY ALL CONTRACTORS. NOTIFY THE GENERAL CONTRACTOR OF AFFECTED AREAS PRIOR TO BIDDING.
- WHERE EXISTING MECHANICAL SYSTEMS ARE LOCATED IN AREAS THAT CONFLICT WITH NEW EQUIPMENT, PIPING, OR DUCTWORK TO BE INSTALLED, EACH CONTRACTOR SHALL EITHER ARRANGE NEW EQUIPMENT, PIPING, OR DUCTWORK IN SUCH A FASHION THAT IT DOES NOT CONFLICT WITH EXISTING SYSTEMS, OR REWORK EXISTING MECHANICAL SYSTEMS TO ALLOW FOR INSTALLATION OF NEW EQUIPMENT, PIPING, OR DUCTWORK.
- PROVIDE TEMPORARY CONNECTIONS TO MAINTAIN EXISTING SYSTEMS IN SERVICE DURING CONSTRUCTION. MAINTAIN ACCESS TO EXISTING MECHANICAL INSTALLATIONS THAT REMAIN ACTIVE.
- OBTAIN PERMISSION FROM OWNER BEFORE SHUTTING DOWN ANY SYSTEM FOR ANY REASON. MAINTAIN SERVICE TO ALL COMPONENTS THAT ARE TO REMAIN UNLESS SYSTEMS ARE INSTALLED.
- MAINTAIN EXISTING SYSTEM IN SERVICE UNTIL NEW SYSTEM IS COMPLETE AND READY FOR TIE IN AND SWITCHOVER. DRAIN SYSTEM ONLY TO MAKE SWITCHOVERS AND CONNECTIONS. OBTAIN PERMISSION FROM OWNER BEFORE PARTIALLY OR COMPLETELY DRAINING SYSTEM. MAKE CHANGEOVER TO NEW SYSTEMS WITH MINIMUM OUTAGE.
- DISCONNECT AND REMOVE MECHANICAL DEVICES AND EQUIPMENT SERVING EQUIPMENT THAT HAS BEEN REMOVED.
- PROPERLY RECLAIM AND DISPOSE OF ALL REFRIGERANT IN REMOVED EQUIPMENT/REFRIGERANT PIPING. RECLAIMED REFRIGERANT SHALL HAVE DOCUMENTATION AS REQUIRED BY THE AUTHORITY HAVING JURISDICTION (AHJ).

### PLUMBING GENERAL NOTES:

- THE SYMBOLS AND THE MATERIAL LIST ARE FOR THE CONVENIENCE OF THE CONTRACTOR. CONTRACTOR SHALL VERIFY QUANTITIES AND FURNISH ALL MATERIALS REQUIRED FOR FULLY OPERATIONAL SYSTEMS, WHETHER SPECIFIED OR NOT.
- CATALOG NUMBERS SHALL NOT BE CONSIDERED COMPLETE, BUT ARE GIVEN AS AN AID TO THE CONTRACTOR AND TO INDICATE THE QUALITY REQUIRED. CONTRACTOR IS RESPONSIBLE FOR A COMPLETE DESCRIPTION OF MATERIAL ON THESE DRAWINGS AND IN THE SPECIFICATIONS BEFORE ORDERING. THE DESCRIPTION OF THE MATERIAL TAKES PRECEDENCE OVER THE CATALOGUE NUMBER. THE FIRST MANUFACTURER LISTED IS THE BASIS OF DESIGN.
- CONTRACTOR SHALL VERIFY THAT FIXTURES SUPPLIED ARE APPROVED PER ALL APPLICABLE STATE, LOCAL AND GOVERNING AUTHORITIES.
- ALL FIXTURES SHALL CONFORM TO FEDERAL ACT S.3874.
- INVERT ELEVATIONS ARE FROM EXISTING DRAWINGS AND MAY NOT BE ACCURATE. VERIFY ALL ELEVATIONS BEFORE BEGINNING WORK.
- VERIFY UNDERGROUND PIPE SIZES, INVERT ELEVATIONS, AND LOCATIONS PRIOR TO BEGINNING ANY WORK.
- REFER TO THE PLUMBING ROUGH-IN SCHEDULE FOR THE SIZES OF BRANCH PIPES TO PLUMBING FIXTURES.
- FOR CLARITY, NOT ALL VALVES HAVE BEEN SHOWN. PROVIDE SHUTOFF VALVES IN DOMESTIC WATER PIPING SERVING EACH ROOM WITH FIXTURES. ANGLE STOPS SHALL NOT BE CONSIDERED SHUTOFF VALVES.
- EXISTING CONDITIONS ON DEMOLITION PLANS ARE PROVIDED TO INDICATE THE GENERAL SCOPE OF DEMOLITION. REMOVAL REFER TO SPECIFICATION SECTION 22 05 05 FOR ADDITIONAL DEMOLITION INFORMATION.
- P.C. SHALL CUT AND PATCH EXISTING AS REQUIRED FOR NEW OR DEMOLITION WORK UNLESS NOTED OTHERWISE. REFER TO SPECIFICATION SECTION 22 05 05 FOR ADDITIONAL INFORMATION.

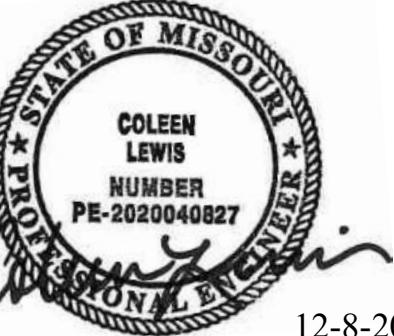
PLUMBING SLOPE REQUIREMENTS:	




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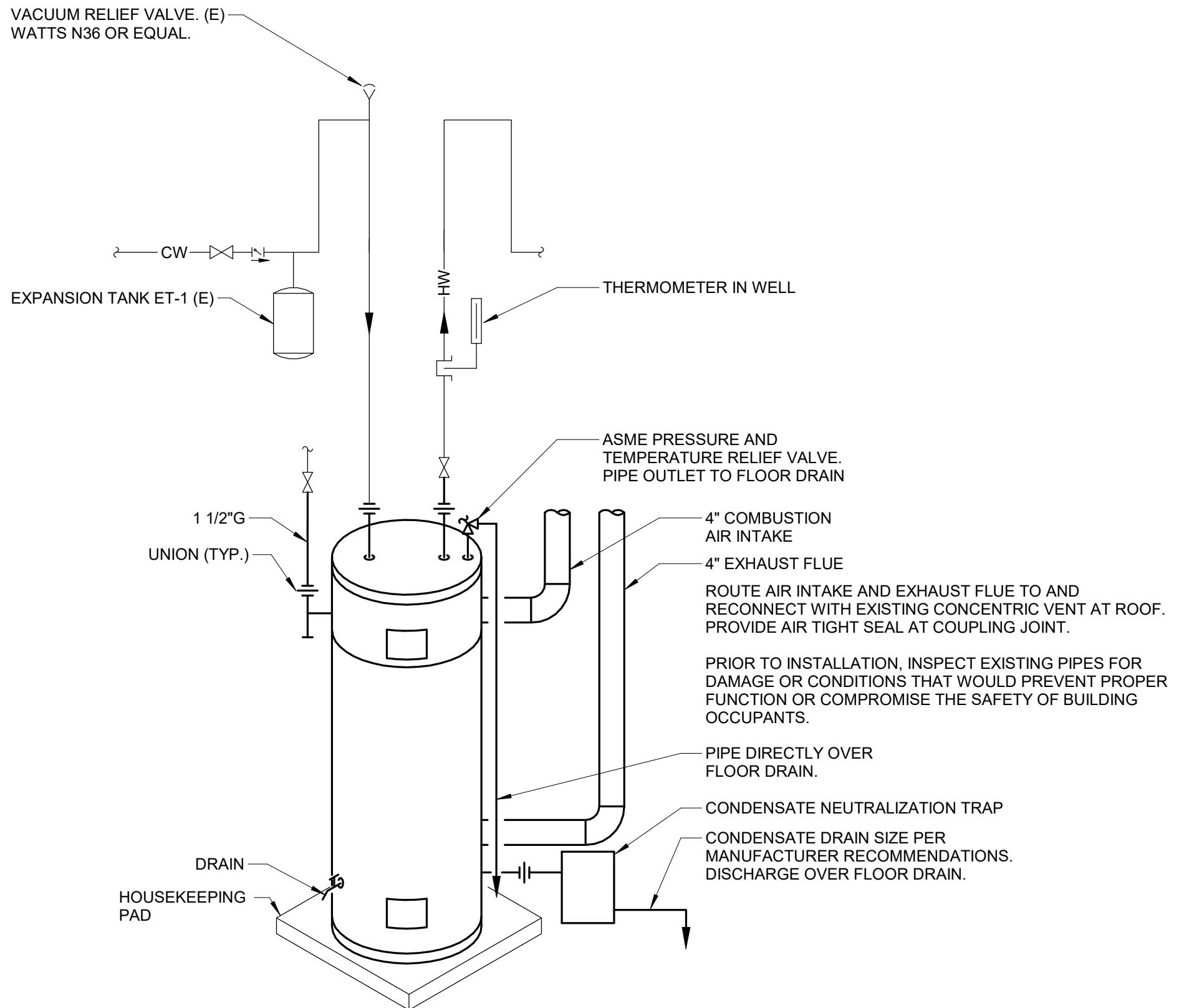




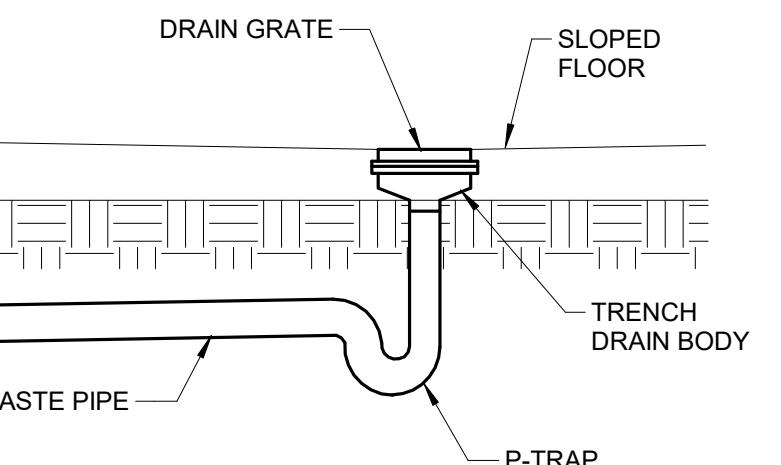


2-8-2025

Coleen Lewis - Engineer  
MO#2020040827

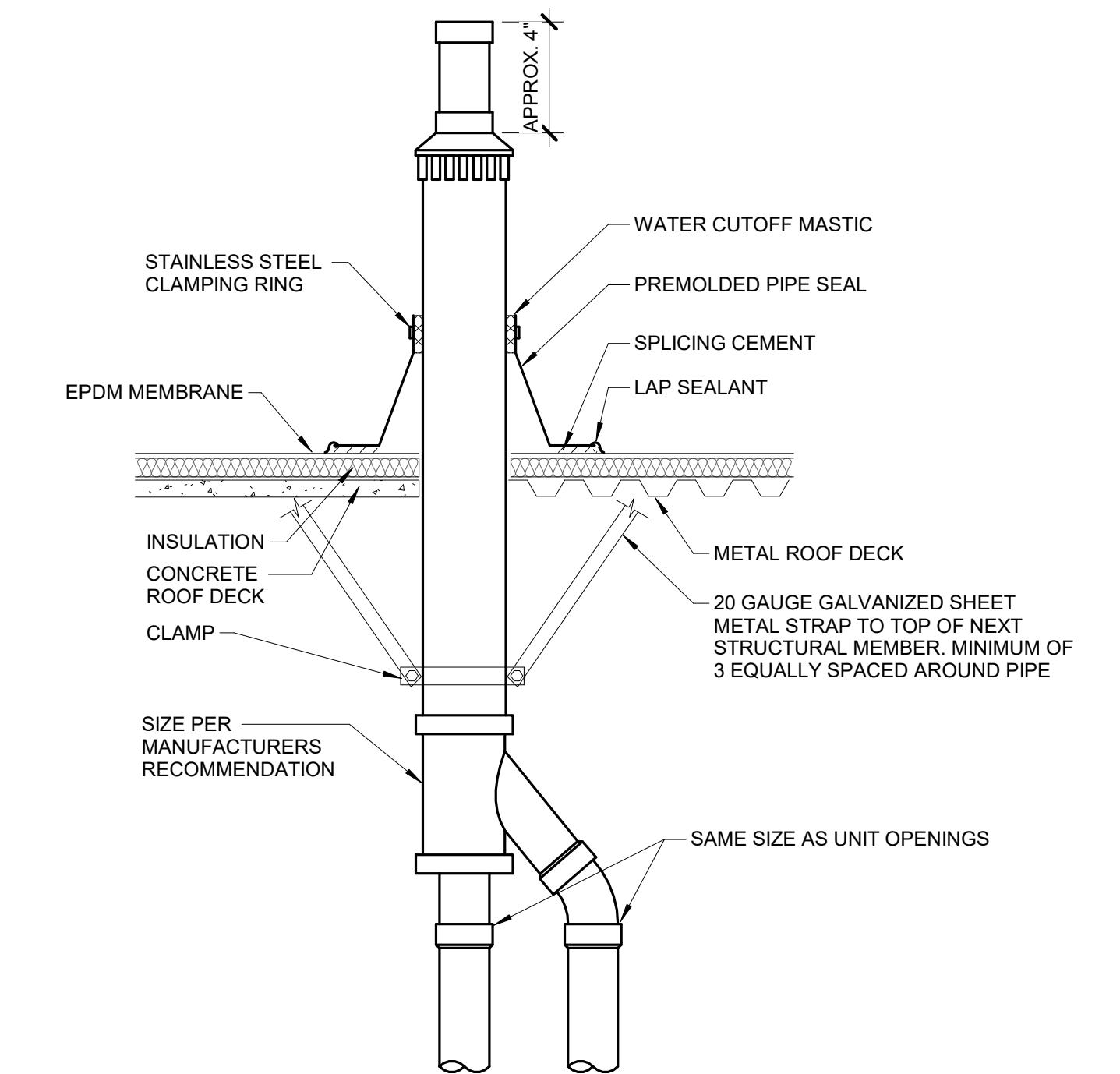


# 1 WATER HEATER - GAS TANK

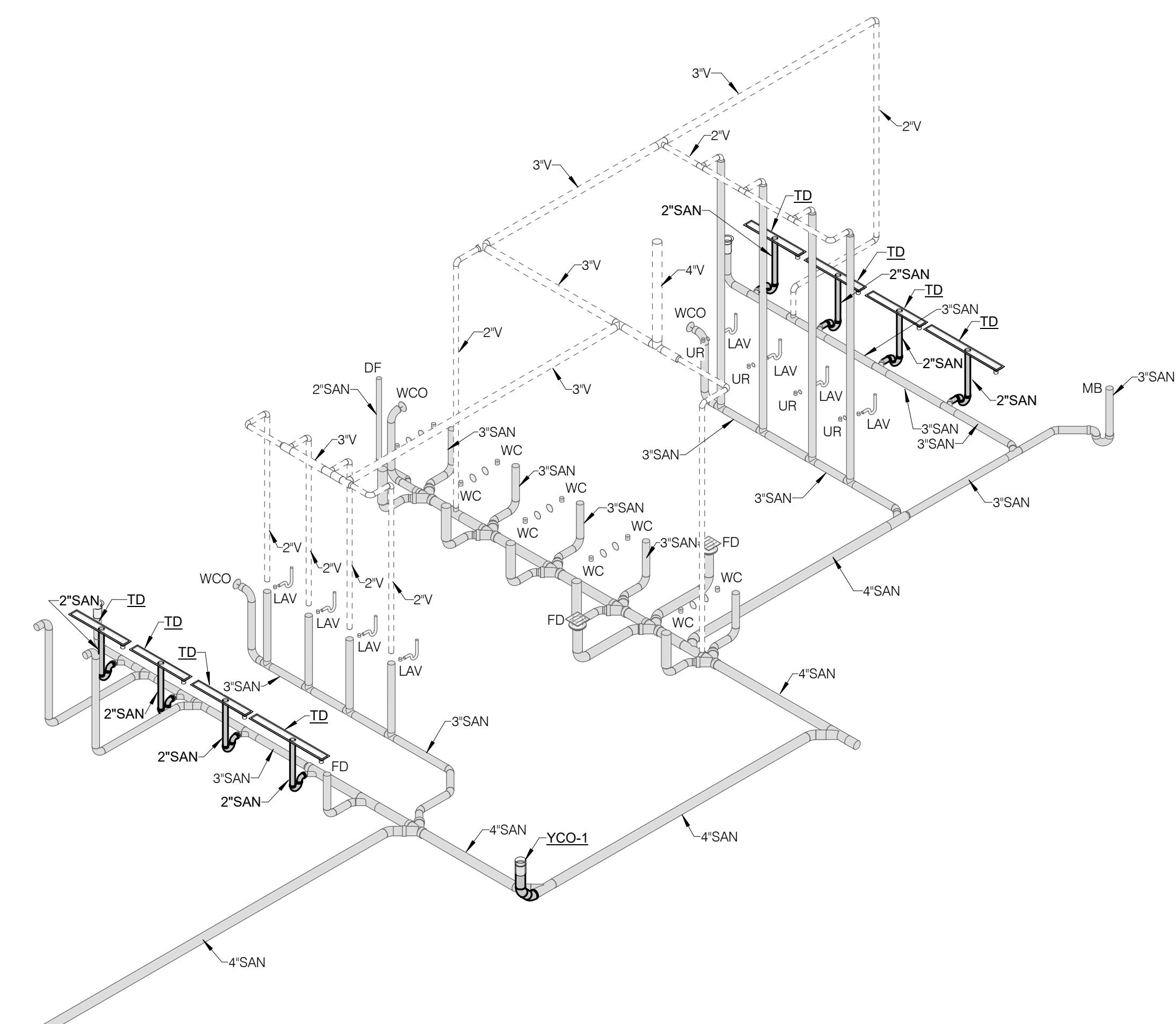


# 2 FLOOR DRAIN DETAIL

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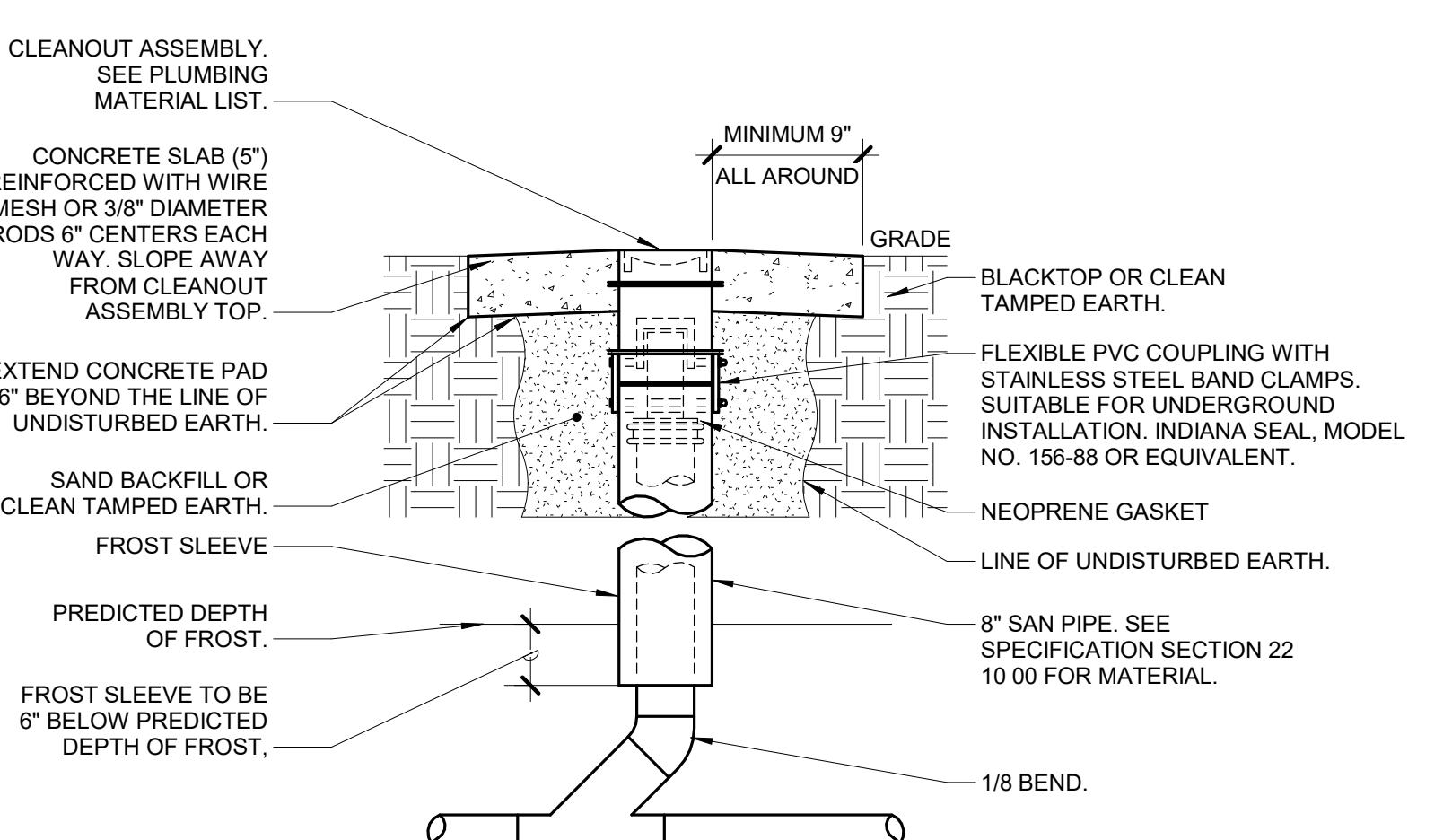


**3 FLUE - CONCENTRIC VENT/INTAKE**



# 4 SANITARY AND VENT RISER DIAGRAM

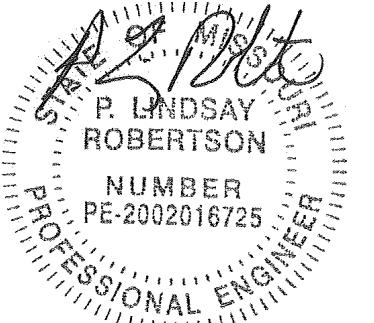
NO SCALE



# 5 YARD CLEANOUT

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12-8-2025

Lindsay Robertson - Engineer  
MO#2002016725

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Construction Managers Project Number: 2024.345

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**OFFICE OF  
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DIVISION OF FACILITIES  
MANAGEMENT,  
DESIGN AND  
CONSTRUCTION**

Project Name:  
Readiness Center  
Missouri National Guard

475 South Davis Ave.  
Marshall, MO 65340

PROJECT # T2423-01  
SITE # 6265  
ASSET # 8136265008

REVISION:  
DATE:  
REVISION:  
DATE:  
REVISION:  
DATE:  
ISSUE DATE: 12/8/2025

CAD DWG FILE:  
DRAWN BY: BWC/ MWM  
CHECKED BY: PLR  
DESIGNED BY: MIJ

SHEET TITLE:

LEVEL 01  
DEMOLITION PLAN -  
LIGHTING

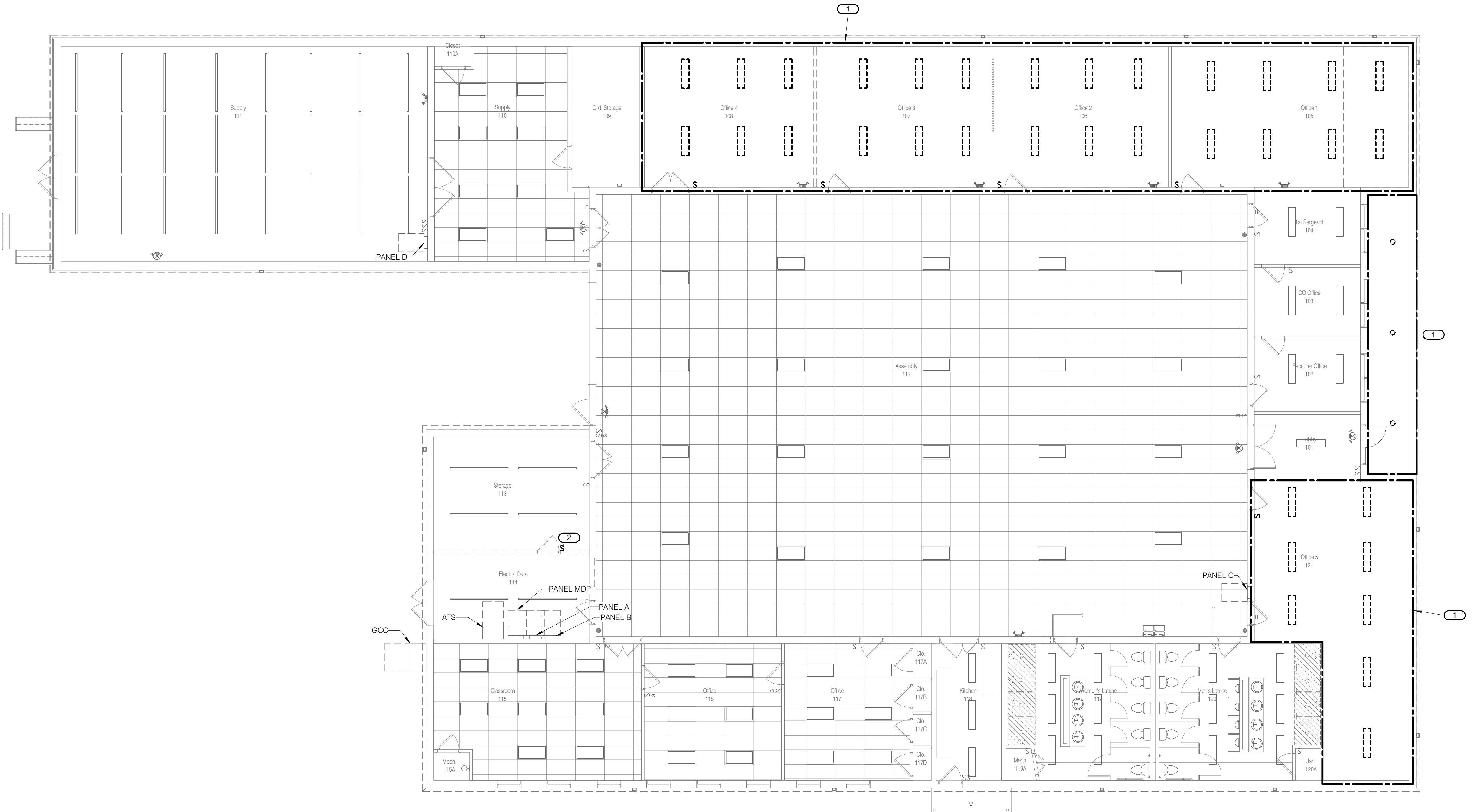
SHEET NUMBER:  
**E101**

SHEET 26 OF 31

12/8/2025

**SHEET NOTES:**  
1. REFER TO SHEET E000 FOR APPLICABLE  
NOTES AND LEGENDS.

**KEYNOTES:**  
1. DISCONNECT AND REMOVE EXISTING  
LUMINAIRES AND RELINQUISH TO OWNER FOR  
RE-USE. EXISTING BRANCH LIGHTING CIRCUIT  
TO REMAIN TO SERVE NEW LUMINAIRES.  
2. DISCONNECT AND REMOVE EXISTING LIGHT  
SWITCH REMAIN ASSEMBLED AND CONNECT  
CONDUCTORS BACK TO NEAREST FUNCTION  
BOX ON ROOF STRUCTURE ABOVE. REFER TO  
SHEET E201 FOR NEW WORK INVOLVING THIS  
SWITCH LEG.

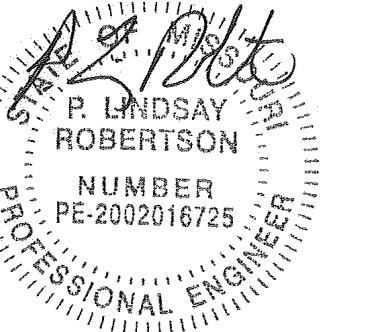


**LEVEL 01 DEMOLITION PLAN - LIGHTING**

1

1/8" = 1'-0"

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REF. SCALE IN INCHES PROJECT #25000986.00



12-8-2025

**SHEET NOTES:**  
1. REFER TO SHEET E000 FOR APPLICABLE NOTES AND LEGENDS.

**KEYNOTES:**  
1. DISCONNECT POWER TO MECHANICAL UNIT AND REMOVE ALL CONDUIT AND CONDUCTORS BACK TO SOURCE.  
2. DISCONNECT POWER TO EXISTING WATER HEATER. EXISTING DISCONNECT SWITCH AND CIRCUITING TO REMAIN TO SERVE NEW WATER HEATER.

Lindsay Robertson - Engineer  
MO#2002016725

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Interior Designers 816.421.8200 [gastingerwalker.com](http://gastingerwalker.com)  
Construction Managers Project Number: 2024.345

GastingerWalker & Architects, LLC.  
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**OFFICE OF  
ADMINISTRATION  
DIVISION OF FACILITIES  
MANAGEMENT,  
DESIGN AND  
CONSTRUCTION**

Project Name:  
Readiness Center  
Missouri National Guard

475 South Davis Ave.  
Marshall, MO 65340

PROJECT # T2423-01  
SITE # 6265  
ASSET # 8136265008

REVISION:  
DATE:  
REVISION:  
DATE:  
REVISION:  
DATE:  
ISSUE DATE: 12/8/2025

CAD DWG FILE:  
DRAWN BY: BWC/MWM  
CHECKED BY: PLR  
DESIGNED BY: MIJ

SHEET TITLE:

LEVEL 01  
DEMOLITION PLAN -  
POWER

SHEET NUMBER:

E111

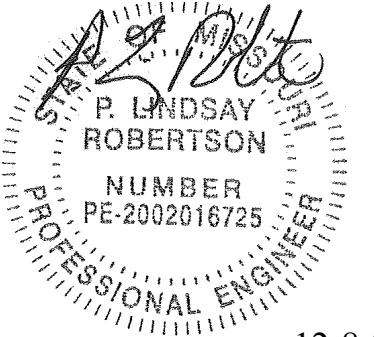
SHEET 27 OF 31

12/8/2025



**LEVEL 01 DEMOLITION PLAN - POWER**  
1 1/8" = 1'-0"  
NORTH

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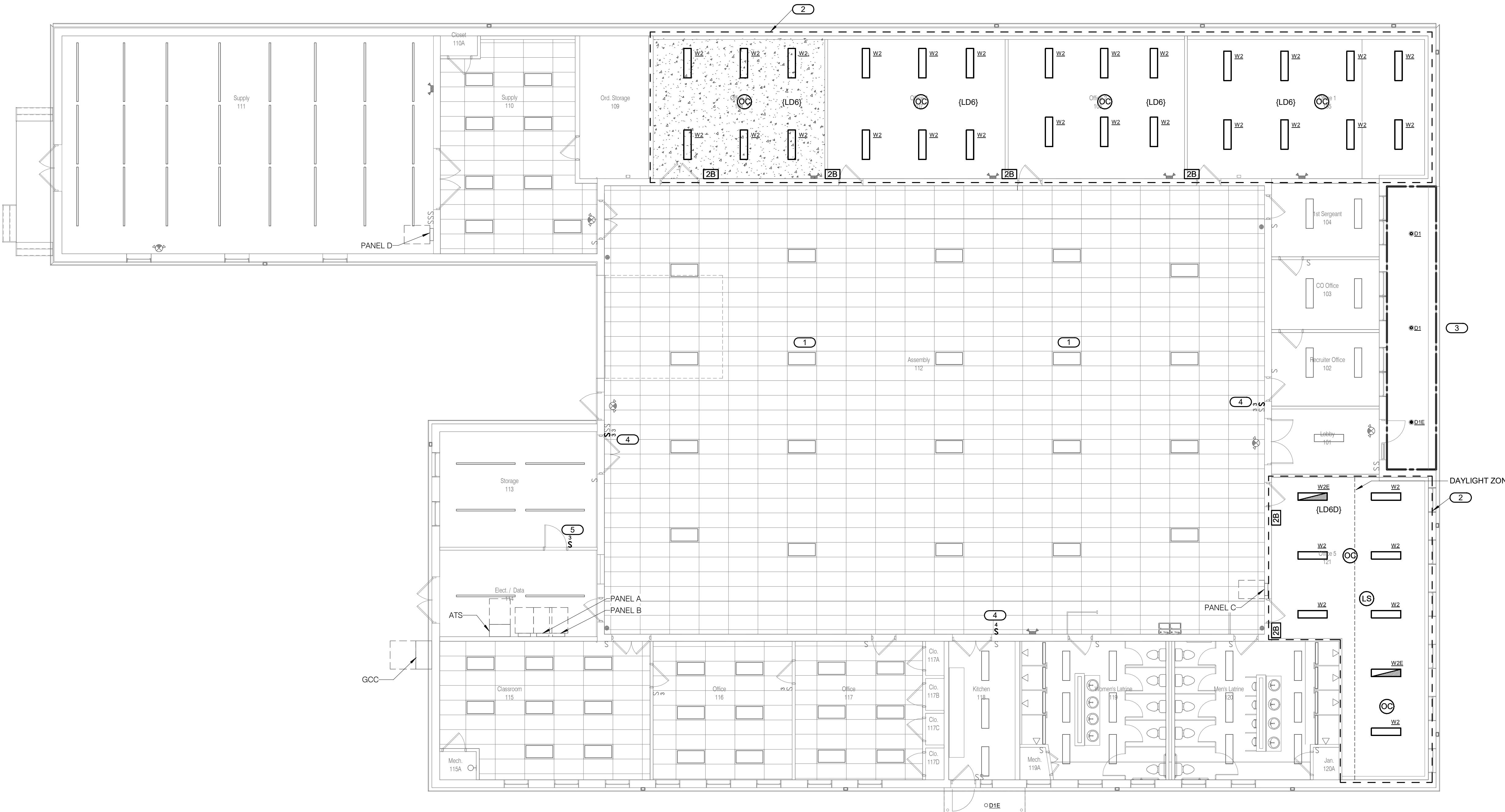
12-8-2025

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Interior Designers 816.421.8200 gastingerwalker.com  
Construction Managers Project Number: 2024.345

**SHEET NOTES:**  
1. REFER TO SHEET E000 FOR APPLICABLE NOTES AND LEGENDS.  
2. REFER TO SHEET E000 FOR LIGHTING SEQUENCE OF OPERATION AND LIGHTING FIXTURE SCHEDULE.

**KEYNOTES:**  
1. CIRCUIT LUMINAIRE TO NEW SWITCHES. REFER TO KEYNOTE 4 FOR MORE INFORMATION.  
2. CONNECT TO EXISTING LIGHTING CIRCUIT FOR THIS AREA. EXTEND EXISTING CIRCUIT AS NEEDED. PROVIDE NEW CONTROLS AS SHOWN.  
3. CONNECT TO EXISTING LIGHTING CIRCUIT FOR THIS AREA. EXTEND EXISTING CIRCUIT AS NEEDED. CONNECT TO EXISTING LIGHTING CONTROLS SERVING THIS AREA.  
4. PROVIDE 3-WAY/4-WAY TOGGLE SWITCH AS SHOWN WITH WALL SWITCH LOCKOUT TO CONTROL LIGHTS SHOWN WITH KEYNOTE 1. REFER TO KEYNOTE 1 FOR MORE INFORMATION. LOCKOUT BASIS OF DESIGN IS BRADY 065392.  
5. PROVIDE 3-WAY TOGGLE SWITCH AS SHOWN. EXTEND EXISTING CONDUIT AND CONDUCTORS TO NEW SWITCH. REFER TO SHEET E101 FOR MORE INFORMATION.

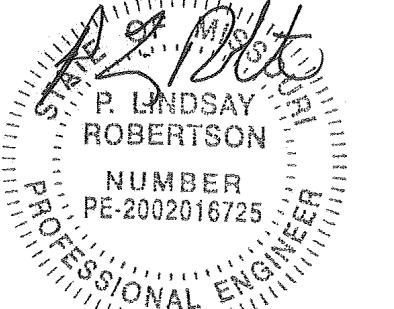


1 LEVEL 01 PLAN - LIGHTING  
1/8" = 1'-0"  
NORTH

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PROJECT #25000986.00

SHEET NUMBER:  
**E201**  
SHEET 28 OF 31  
12/8/2025





12-8-2025

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Construction Managers Project Number: 2024.345

LUMINAIRE SCHEDULE											
TAG	DESCRIPTION	OPTICS	MTG	DIMENSIONS		LIGHT SOURCE	DELIVERED LUMENS	WATTS	POWER SUPPLY	MANUFACTURER - SERIES	NOTES
D1	REMODEL, 4.5 INCH ROUND DOWNLIGHT, ACRYLIC FLUSH LENS, WIDE DISTRIBUTION	SYMMETRIC FLOOD	RE	8 1/4" H, 4" Ø		LED	1,000 lm	9 / FIX	120	H.E. WILLIAMS 4DR	
D1E	SAME AS "D1", BUT WITH INTEGRAL BATTERY BACKUP	SYMMETRIC FLOOD	RE	8 1/4" H, 4" Ø		LED	1,000 lm	9 / FIX	120	H.E. WILLIAMS 4DR	
W2	WRAPAROUND, LOW PROFILE, STEEL HOUSING AND END PLATES, FROSTED PRISMATIC ACRYLIC DIFFUSER	NA	CL	48" L X 12" W X 4 1/2" H		LED	5,947 lm	42 / FIX	120	H.E. WILLIAMS 17-4 LOW PROFILE WRAP	
W2E	SAME AS "W2", BUT WITH INTEGRAL BATTERY BACKUP	NA	CL	48" L X 12" W X 4 1/2" H		LED	5,947 lm	42 / FIX	120	H.E. WILLIAMS 17-4 LOW PROFILE WRAP	

LUMINAIRE SCHEDULE LEGEND										
<b>DESCRIPTION:</b>										
PAF - PAINT AFTER FABRICATION CFS - COLOR FINISH SELECTION BY ARCHITECT CCFS - CUSTOM COLOR FINISH SELECTED BY ARCHITECT CONFIRM ALL COLORS AND FINISHES OF ALL LUMINAIRE COMPONENTS WITH ARCHITECT AND INTERIOR DESIGNER PRIOR TO THE RELEASE OF THE LUMINAIRE ORDER										
<b>OPTICS:</b>										
BEAM ANGLE ##* or ## DEG - BEAM ANGLE IN DEGREES										
VNSP - VERY NARROW SPOT NFL - NARROW FLOOD NSP - NARROW SPOT FL - FLOOD SP - SPOT WFL - WIDE FLOOD WSP - WIDE SPOT VWF - VERY WIDE FLOOD VWSP - VERY WIDE SPOT										
<b>MOUNTING (MTG):</b>										
CL - CEILING P - PERIMETER SU - SURFACE CV - COVE PL - POLE UC - UNDER CABINET G - GROUND SURFACE RE - RECESSED WL - WALL IG - IN GRADE SP - SUSPENDED O - OTHER (SEE DESCRIPTION) VERIFY AND COORDINATE ALL CEILING TYPES WITH LUMINAIRE MOUNTING AND TRIM REQUIREMENTS. REFER TO ARCHITECTURAL AND INTERIOR DESIGN ELEVATIONS, SECTIONS, AND DETAILS FOR LUMINAIRE MOUNTING LOCATIONS AND REQUIREMENTS. MOUNTING HEIGHTS INDICATED IN THE SCHEDULE ARE TO THE BOTTOM OF FIXTURE UNLESS NOTED OTHERWISE.										
<b>DIMENSIONS:</b>										
L - LENGTH W - WIDTH H - HEIGHT D - DEPTH Ø - DIAMETER VAR. - DIMENSION VARIES, SEE ARCHITECTURAL PLANS.										
<b>LIGHT SOURCE:</b>										
SOURCE TYPE LED - INTEGRAL LIGHT EMITTING DIODE DLED - DYNAMIC TUNABLE WHITE LED RLED - RETROFIT LED LAMP WLED - WARM DIM LED CCT / CRI INTERIOR CORRELATED COLOR TEMPERATURE 3500K, COLOR RENDERING INDEX (CRI) AT OR ABOVE 80, UNLESS NOTED OTHERWISE. EXTERIOR CORRELATED COLOR TEMPERATURE 4000K, COLOR RENDERING INDEX (CRI) AT OR ABOVE 80, UNLESS NOTED OTHERWISE.										
<b>DELIVERED LUMENS:</b>										
LUMENS INDICATED ARE MINIMUM INITIAL DELIVERED LUMENS AT SPECIFIED CCT AND CRI.										
<b>WATTS:</b>										
MAXIMUM ANSI WATTS PER: (BLANK) = PER LUMINAIRE FT = LINEAR FOOT LAMP POLE										
<b>POWER SUPPLY:</b>										
PS TYPE (BLANK) - INTEGRAL UNLESS NOTED OTHERWISE REM - REMOTE EM - EMERGENCY BATTERY CONTROL METHOD 0-10V - 0 TO 10V DIMMING 10% 1% 0.1% 0.01% AS INDICATED DALI - DIGITAL ADDRESSABLE LIGHTING INTERFACE (IEC 62386) DMX - USITT DMX512-A (ANSI E1.11) UPC - UNIVERSAL PHASE CONTROL DIMMING (PHASE ADAPTIVE) SWC - SWITCHED CONTROL O - OTHER (SEE DESCRIPTION)										
COORDINATE LUMINAIRE DRIVER DIMMING METHODS AND PROTOCOLS WITH THE LIGHTING CONTROL SYSTEM AND CONTROL MANUFACTURER REQUIREMENTS TO ENSURE DIMMING COMPATIBILITY.										
<b>MANUFACTURER - SERIES:</b>										
1. THE FIRST MANUFACTURER AND MODEL LISTED IS THE BASIS OF DESIGN. 2. THE MODEL NUMBER SHOWN SHALL NOT BE CONSIDERED COMPLETE AND MATERIAL SHALL NOT BE ORDERED BY MANUFACTURER AND MODEL NUMBER ONLY. THE COMPLETE DESCRIPTION AND THE SPECIFICATION SHALL BE COORDINATED WITH THE MODEL NUMBER TO DETERMINE THE EXACT MATERIAL AND ACCESSORIES TO BE ORDERED.										

LIGHTING SEQUENCE OF OPERATION										
NOTES: 1. (L#) DENOTES THE LIGHTING SEQUENCE OF OPERATIONS FOR THIS SPACE. 2. (W#) PUSH BUTTON REFERS TO SCENE QUANTITY. CONTROL STATION SHALL BE CAPABLE OF RAISE/LOWER AND SWITCHING ON/OFF FOR MULTIPLE SCENES AS INDICATED ON SHEETS AND THE LIGHTING SEQUENCE OF OPERATIONS (L#). 3. ZONE GROUP CONVENTION: PROVIDE SEPARATE CONTROL FOR EACH CONTROLLED ZONE. LUMINAIRES ASSOCIATED WITH THE SAME ZONE SHALL OPERATE TOGETHER WITHIN THE SAME PROGRAMMED SCENE. 4. A = SWITCH DESIGNATION FOR LIGHTING CONTROL. 5. VERIFY AND COORDINATE ALL TIME CLOCK SETTINGS WITH OWNER PRIOR TO FINAL PROGRAMMING. 6. VERIFY AND COORDINATE ALL PUSH BUTTON WALL DEVICES AND QUANTITIES OF INDIVIDUAL BUTTONS WITH SCENES AND ZONES PER LOCATION. 7. VERIFY AND COORDINATE ALL PUSH BUTTON QUANTITIES AND SCENE NAMES WITH OWNER PRIOR TO SUBMITTING ENGRAVING TEMPLATE TO MANUFACTURER.										
<b>PLAN ID</b>										
<b>LIGHTING SWITCHED</b>										
(LD6D) Sequence: Lighting control provides vacancy control, manual dimming and daylighting in this space. ON: General lights turn on using a wall control. ADJUST: General lights are raised / lowered controlled using a wall controller, 50-100%. ADJUST (daylighting): General lights continuously adjust to daylight to maintain 50 Foot-Candles at +30° AFF. The setting of the manual wall controller shall define the maximum dimmer output for the daylight zone (less of manual control value and daylight maintained level).Daylight levels exceeding 150% of maintained target shall turn lights off. OFF: General and Task lights automatically turn off after the space has been vacant for 15 minutes										
(LD6) Sequence: Lighting control provides vacancy control, manual dimming and daylighting in this space. ON: General lights turn on using a wall control. ADJUST: General lights are raised / lowered controlled using a wall controller, 50-100%. OFF: General and Task lights automatically turn off after the space has been vacant for 15 minutes										



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E600  
SHEET 30 OF 31  
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