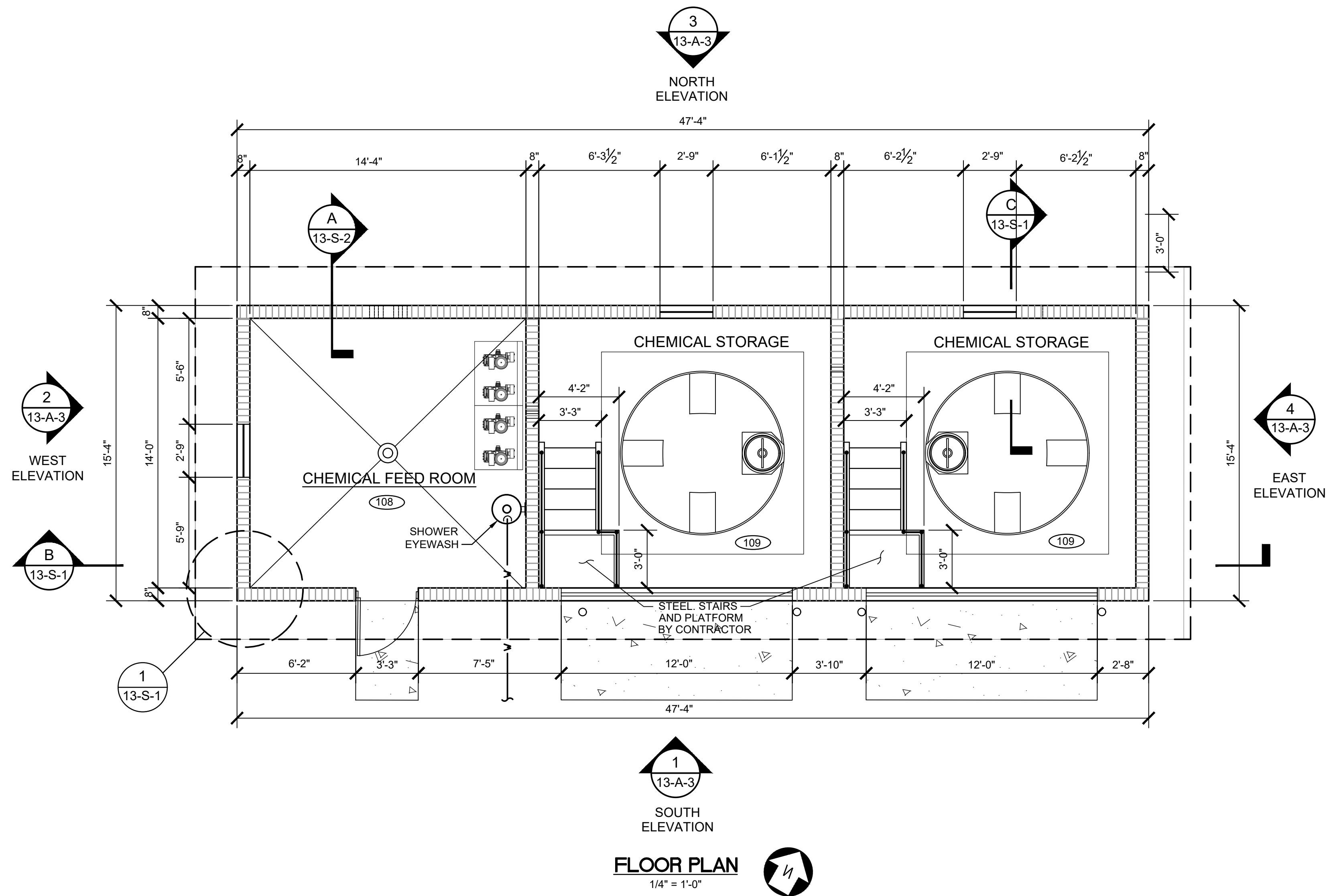


\\buldata01\ma\Projects\2019\R2019-111 Cleveland - WWTP Expansion\06 Drawings\Area 13 - Chemical Building\13-A-1 to 13-M-2-Chemical Building.dwg 08/01/2025 4:02pm apavlusenco



NOTES:

UN-FINISHED SPLIT FACE CONCRETE BLOCK, COLOR SELECTED BY OWNER.
FOR REFERENCE SEE SPECIFICATION FOR THE CHEMICAL BUILDING PAINTING: 09 90 00 PAINTING.



No.	Revisions	Initial	Date
1	RELEASED FOR BID	MM	7-31-2025



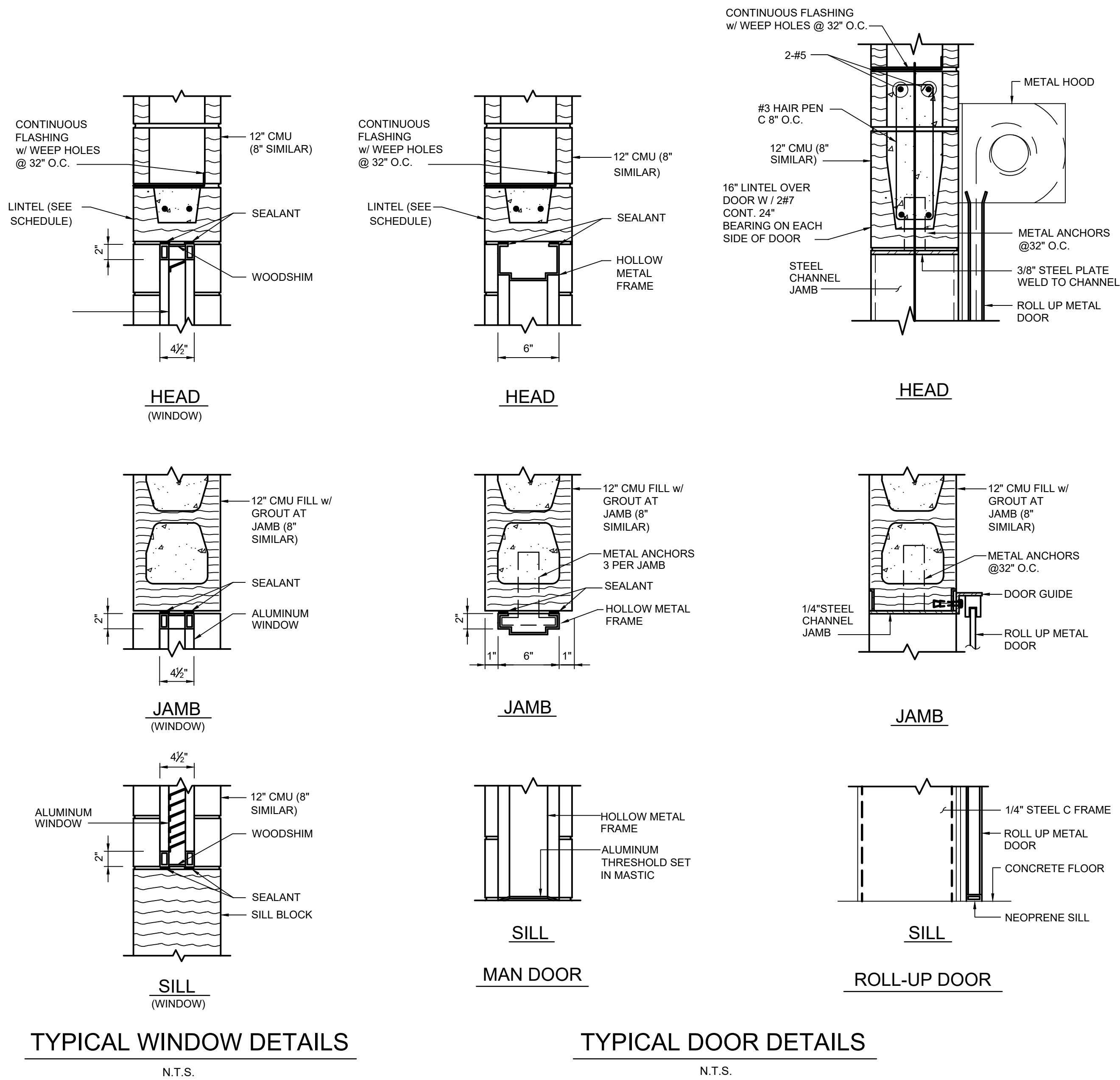
CITY OF CLEVELAND
WASTEWATER TREATMENT PLANT UPGRADES
CHEMICAL BUILDING FLOOR PLAN

Drawn: AE	Project No: R2019-111
Design: AE	Scale: AS SHOWN
Checked: MM	Date: JULY 2022

Sheet No.

13-A-1

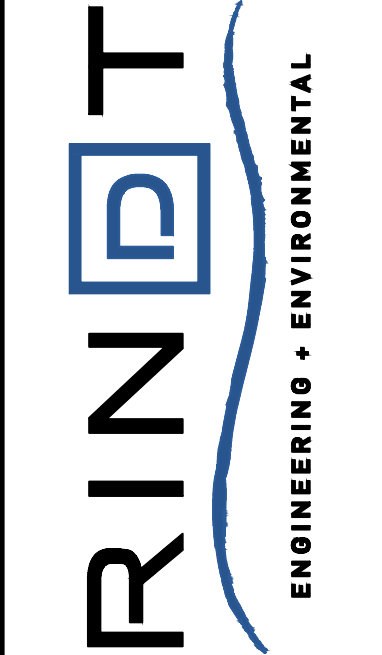
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ELEVATION	DOOR SCHEDULE		LOWER SCHEDULE
	MARK	16	15
	SIZE	12'-0"x10'-0"	
	TYPE	ROLL-UP INSULATED	INSULATED HOLLOW METAL
	FRAME		2"x5 3/4" HOLLOW METAL
	HEAD		
	JAMB		
	SILL		
	HARDWARE SET		
			FIN. FLR.



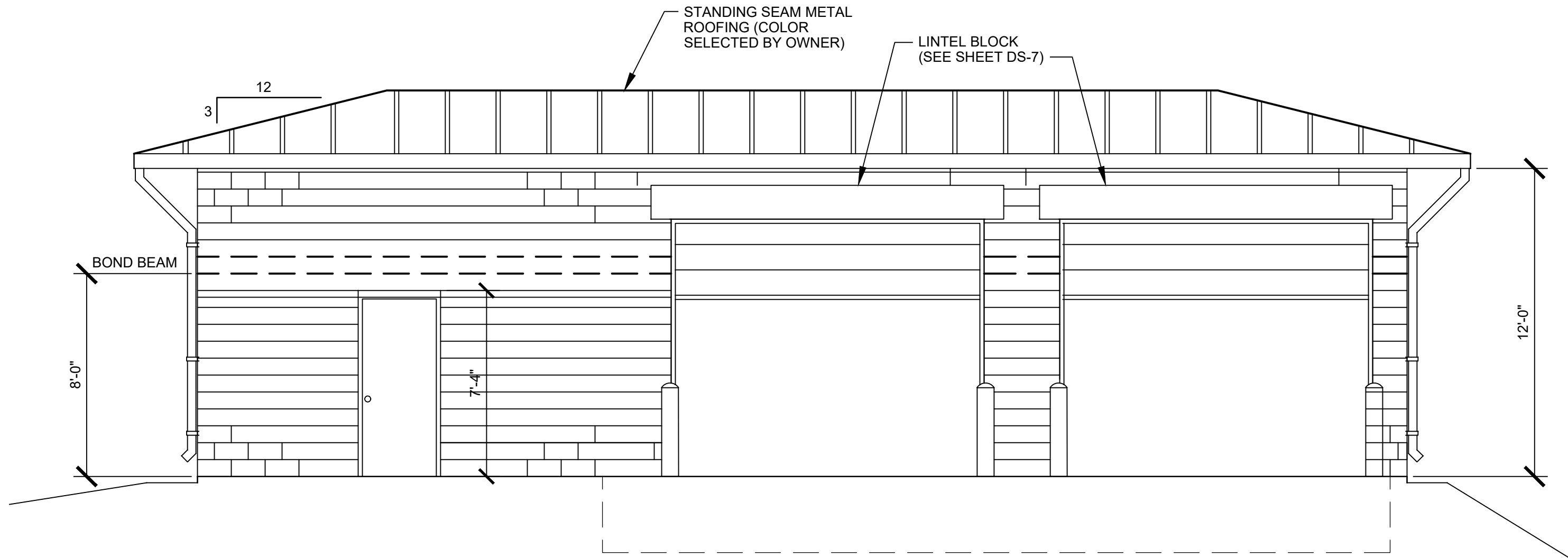
No.	Revisions	Initial	Date
1	RELEASED FOR BID	MM	7-31-2025



CITY OF CLEVELAND
WASTEWATER TREATMENT PLANT UPGRADES
TYPICAL DOOR AND WINDOW DETAILS

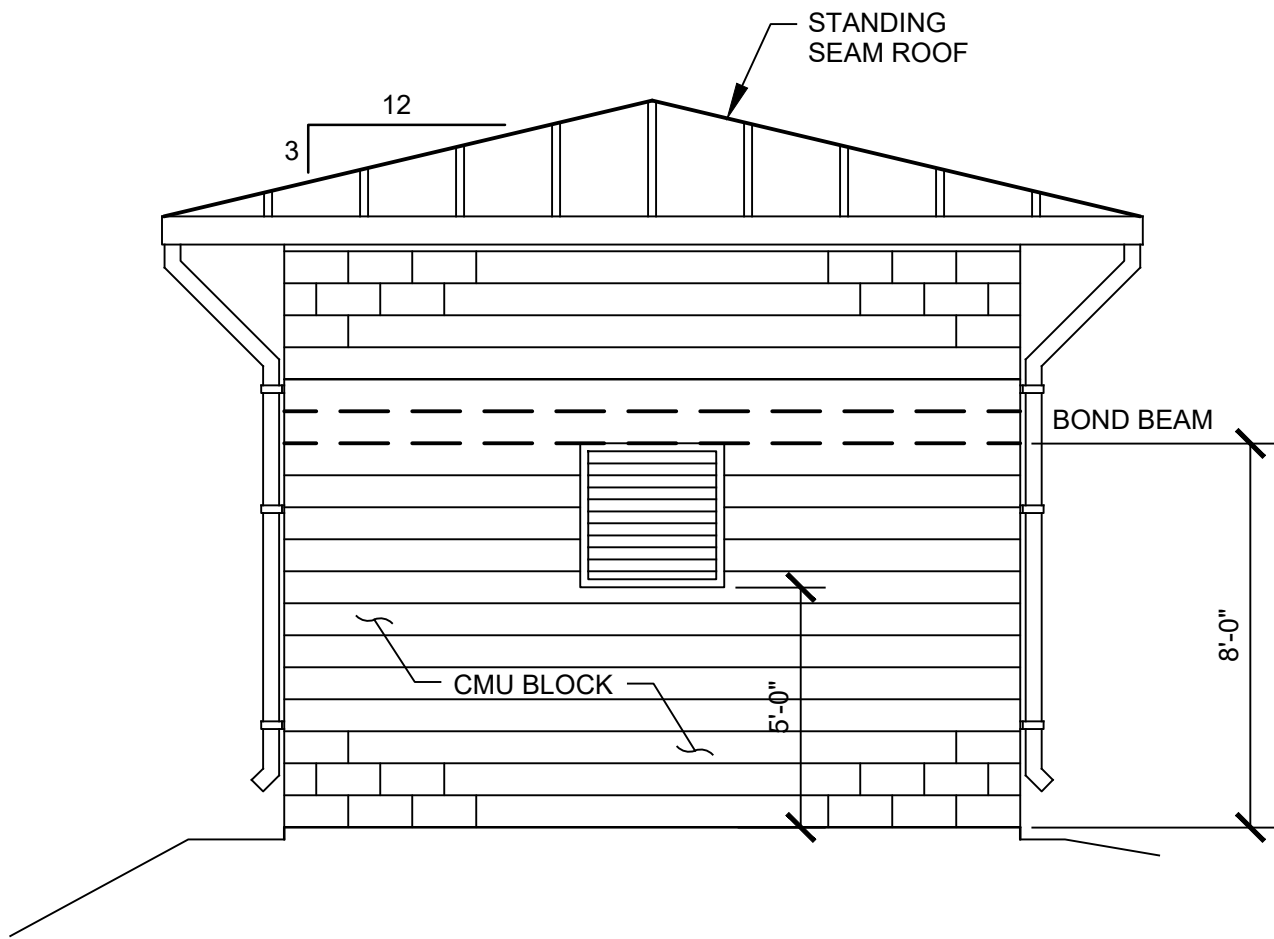
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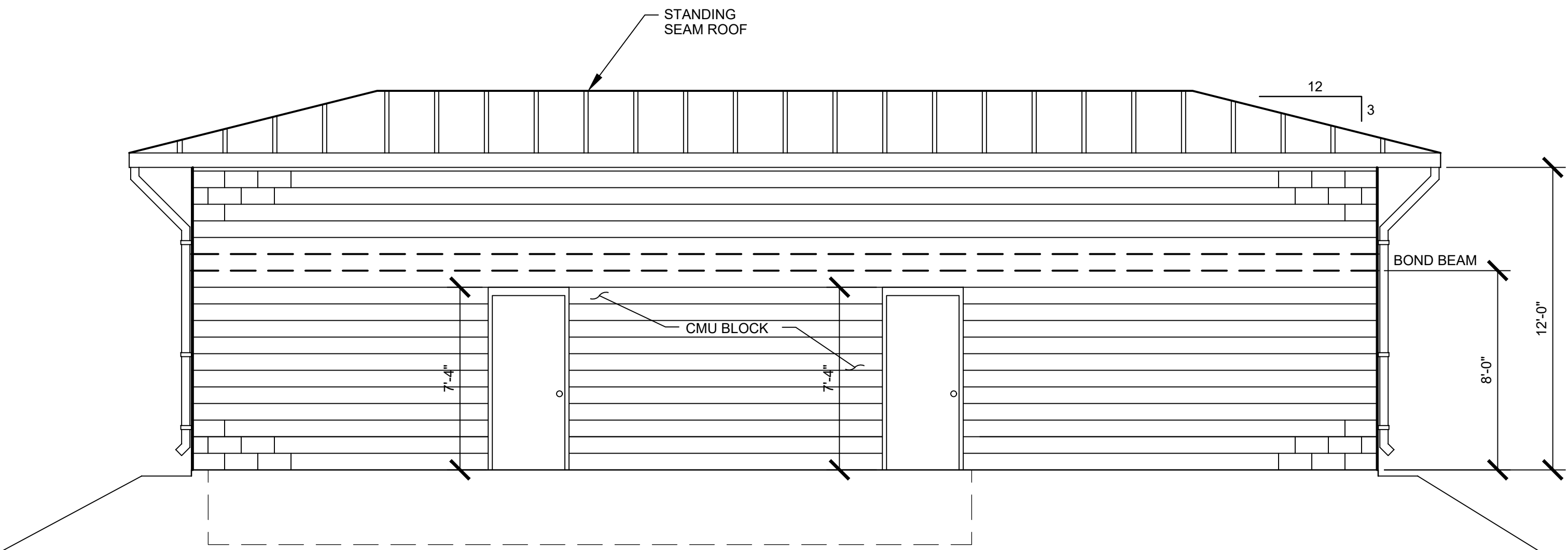
SOUTH ELEVATION
1/4" = 1'-0"

1
13-A-3



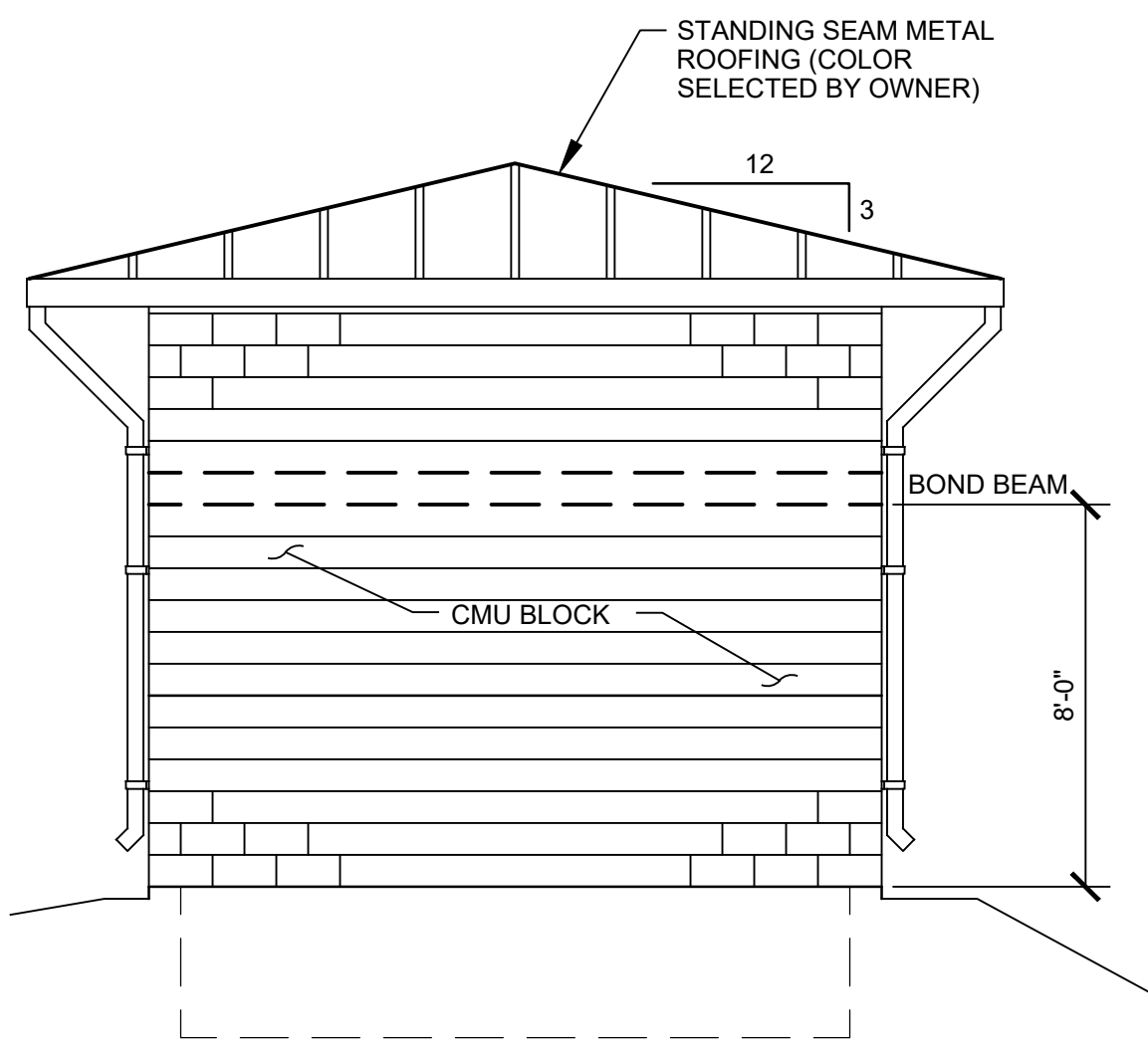
WEST ELEVATION
1/4" = 1'-0"

2
13-A-3



NORTH ELEVATION
1/4" = 1'-0"

3
13-A-3



EAST ELEVATION
1/4" = 1'-0"

4
13-A-3



No.	Revisions	Initial	Date
1	RELEASED FOR BID	MM	7-31-2025



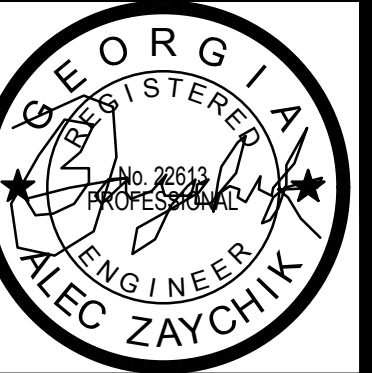
CITY OF CLEVELAND
WASTEWATER TREATMENT PLANT UPGRADES

CHEMICAL BUILDING ELEVATIONS

Drawn: AE	Design: AE	Checked: MM	Project No: R2019-111	Scale: AS SHOWN	Date: JULY 2022
13-A-1 to 13-M-2-Chemical Building.dwg					

Sheet No.

13-A-3



Initial	Date	Revisions	No.
GS	7-31-2025		1
		RELEASED FOR BID	



CITY OF CLEVELAND
WASTEWATER TREATMENT PLANT UPGRADES
CHEMICAL BUILDING
ELECTRICAL PLAN

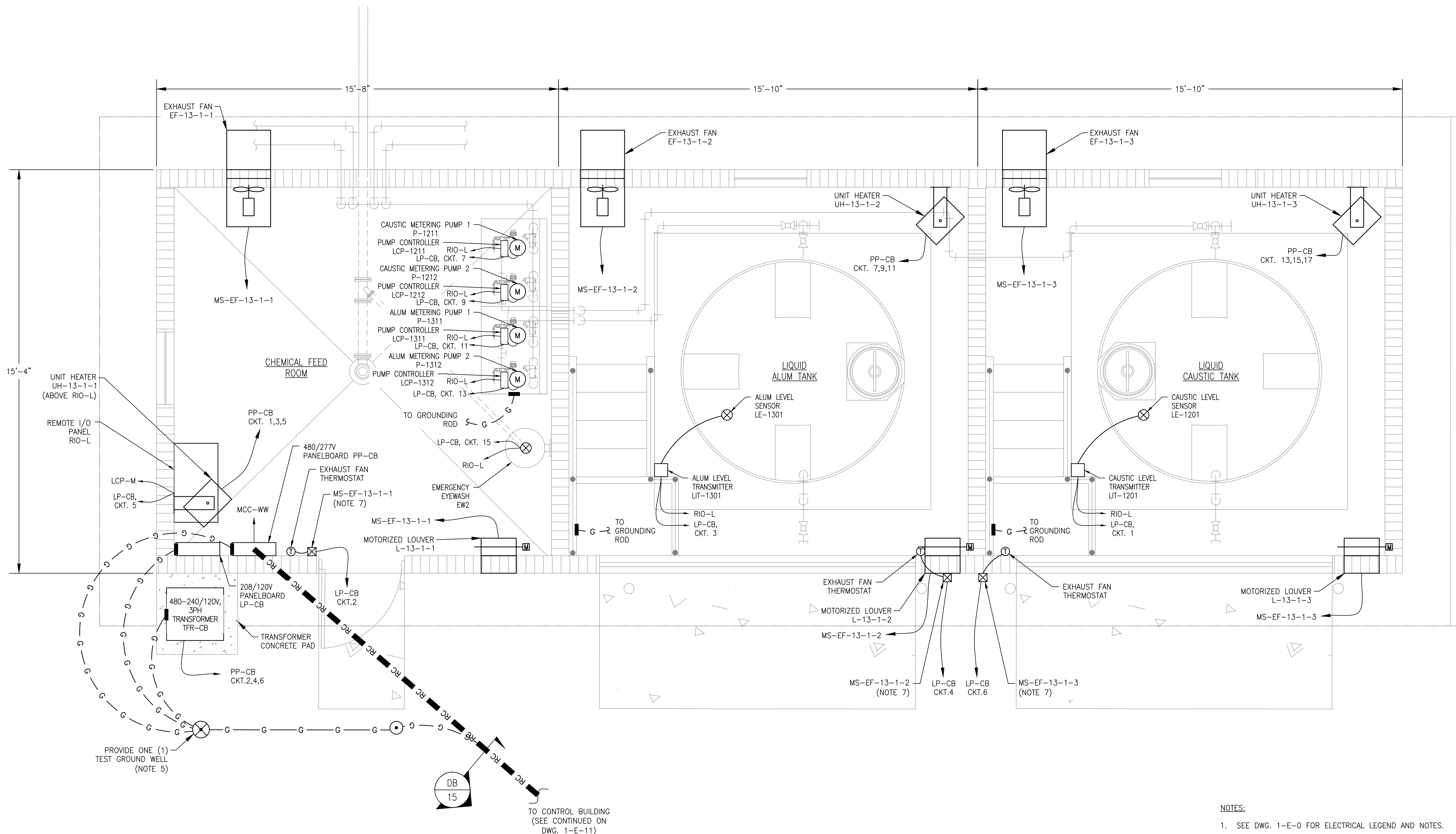
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Sheet No.

13-E-1



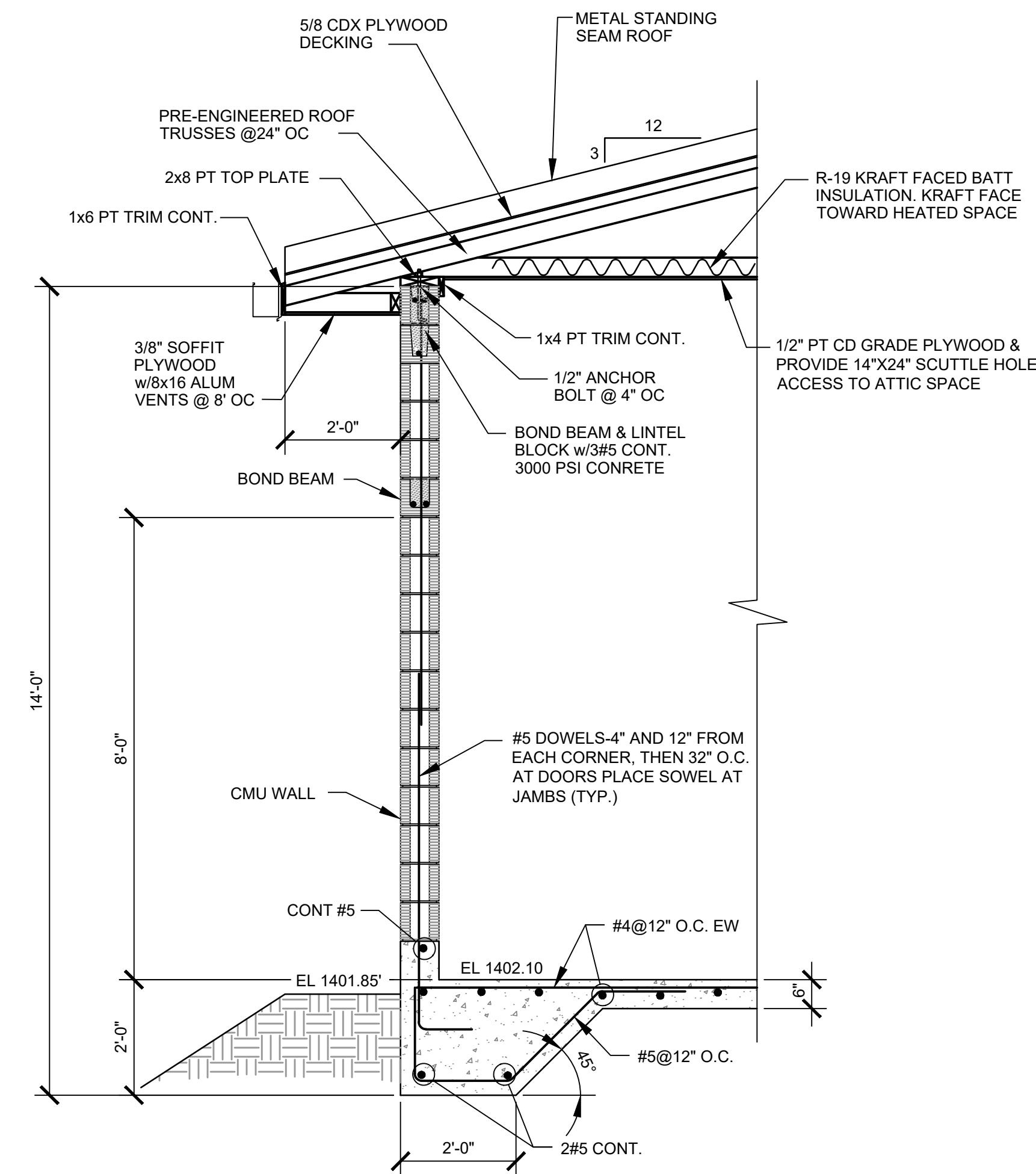
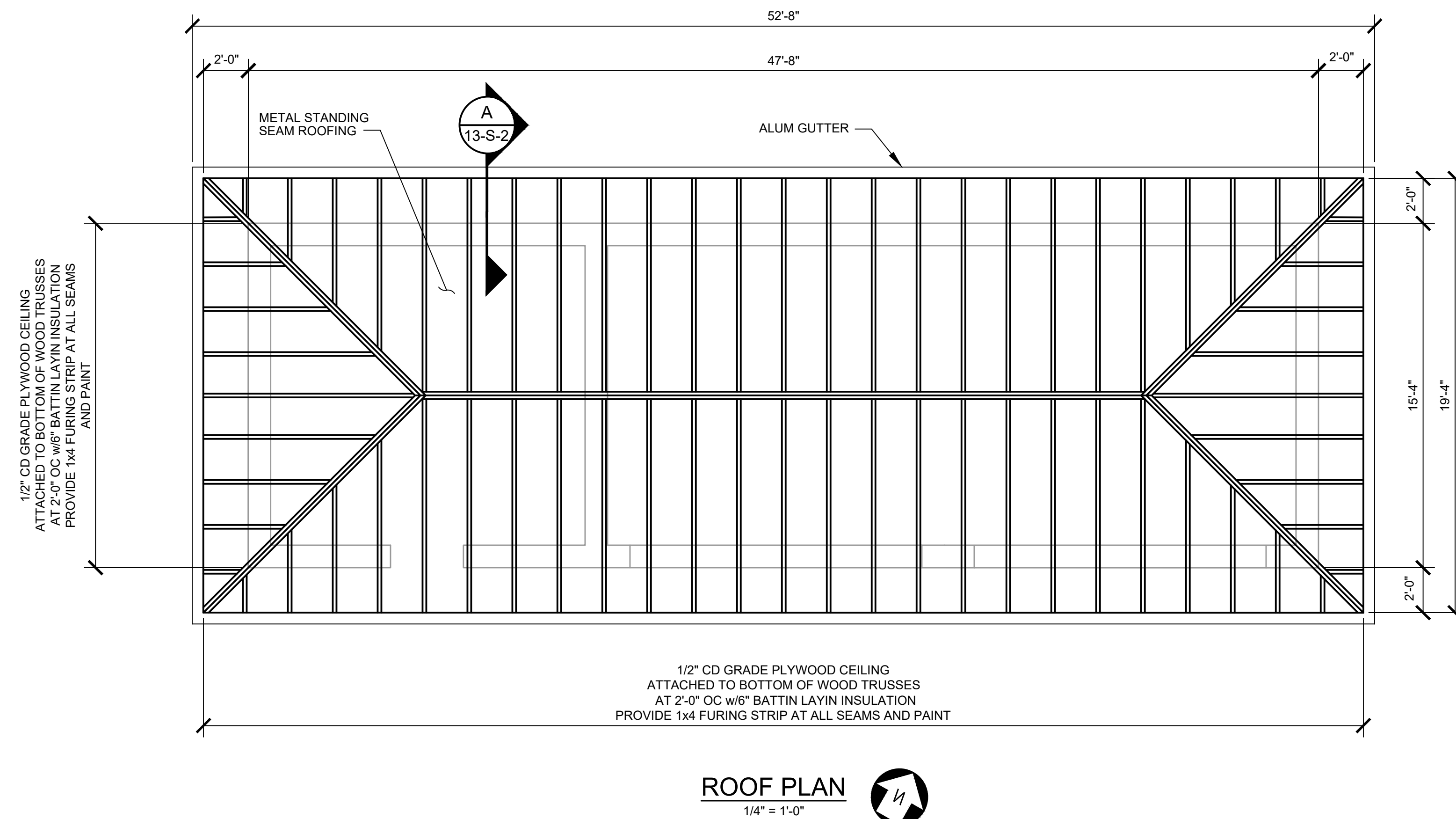
EDEC, INC.
4120 CHATTAHOOCHEE TRACE
SUITE A
DULUTH, GEORGIA 30097
TEL. (770) 493-8685



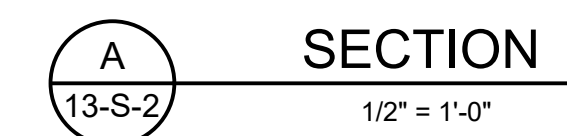
LEGEND:
■ RC ■ RC ■ - REINFORCED CONCRETE ENCASED UNDERGROUND DUCTBANK

NOTES:

- SEE DWG. 1-E-0 FOR ELECTRICAL LEGEND AND NOTES.
- SEE DWG. 1-E-2 AND 1-E-3 FOR DUCTBANKS SECTIONS.
- SEE DWG. 1-E-5 FOR ONE LINE DIAGRAM.
- SEE DWG. 1-E-6 FOR PANELBOARD SCHEDULES.
- THE CONTRACTOR SHALL PROVIDE A GROUND GRID CONSISTING OF 3/4" DIA. X 10'-0" LONG COPPER CLAD GROUND RODS. THE RODS SHALL BE DRIVEN IN GROUND CONNECTED TOGETHER WITH #1 AWG BARE STRANDED COPPER CONDUCTORS. PROVIDE A GROUND WELL FOR ONE ROD. SEE DETAIL "4" ON DWG. DE-4 AND "1" ON DWG. DE-5 FOR GROUND WELL INSTALLATION DETAILS.
- SEE DWG. H-10 FOR INFLUENT PUMP STATION BUILDING HVAC PLAN.
- THE CONTRACTOR SHALL FURNISH AND INSTALL A MANUAL MOTOR STARTER FOR THE FAN'S MOTOR HORSEPOWER. SEE DWG. 13-E-4 FOR THE MOTOR STARTER SCHEMATIC DIAGRAM. THE STARTER SHALL HAVE A NEMA 4X STAINLESS STEEL ENCLOSURE AND INCLUDE 'H-O-A' SWITCH, AND 'RUNNING' INDICATING LIGHT. MOUNT THE MOTOR STARTER IN THE LOCATION SHOWN OR AS DIRECTED BY THE OWNER.



NOTE:
VERTICAL BLOCK REINFORCING TO BE
PLACED EVERY OTHER COURSE.

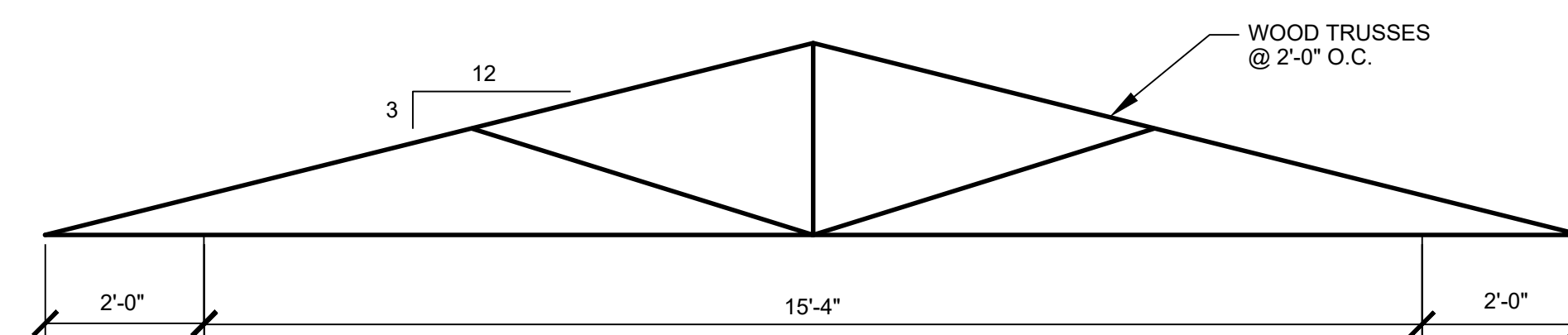


BLOWER AND CHLORINATION SYSTEM CANOPIES						
WIND DESIGN PRESSURES COMPONENTE CLADDING, PSF (LFRD)						
ROOF						
EFFECTIVE AREA (SF)	ZONE 1		ZONE 2		ZONE 3	
	(+)	(-)	(+)	(-)	(+)	(-)
10	20	-44	31	-67	40	-132
25	20	-44	31	-67	31	-67
50	20	-44	31	-67	31	-67
WALLS (WHERE OCCURS)						
EFFECTIVE AREA (SF)	ZONE 4 (FIELD)		ZONE 5 (CORNERS)			
	(+)	(-)	(+)	(-)		
<10	51	-56	51		-69	
50	46	-51	46		-58	
200	42	-46	42		-49	
>500	38	-43	38		-43	

WIND PRESSURE NOTES:

- SEE "WIND DESIGN CRITERIA" NOTES ON G-10.
- "3" - 4'-6". OH = OVERHANG SIDE PRESSURES.
- DESIGN PRESSURES ARE PROVIDED AT ULTIMATE DESIGN WIND SPEEDS. TO CONVERT TO NOMINAL DESIGN WIND SPEEDS (ASD) MULTIPLE PRESSURES BY FACTOR OF 0.60.
- THE EFFECTIVE AREA SHALL BE DETERMINED AS FOLLOWS UNLESS OTHERWISE NOTED:
 - THE SPAN LENGTH MULTIPLIED BY AN EFFECTIVE WIDTH THAT NEED NOT BE LESS THAN ONE THIRD THE SPAN LENGTH.
 - THE AREA THAT IS TRIBUTARY TO AN INDIVIDUAL FASTENER.
- NEGATIVE SIGN INDICATES PRESSURE ACTING OUTWARD FROM SURFACE.

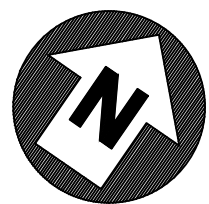
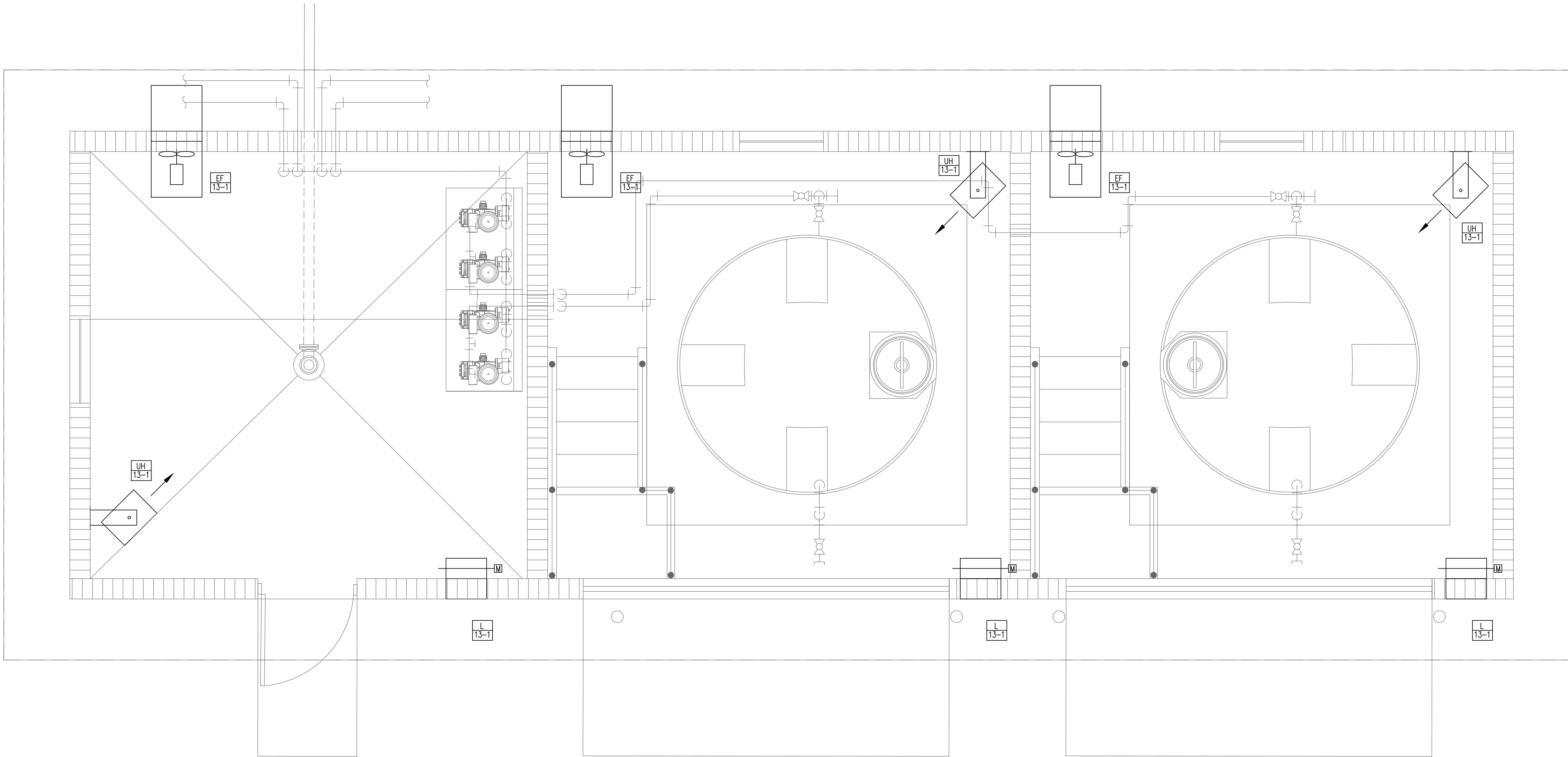
ENCLOSURE CLASSIFICATION
OPEN (OBSTRUCTED)



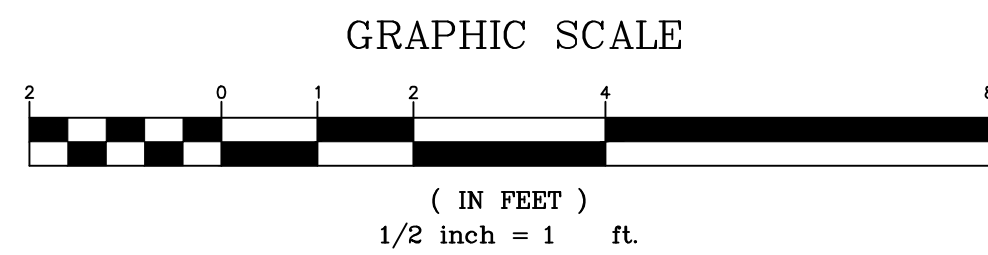
NOTE:
BOTTOM CHORD TO BE DESIGNED
FOR A 1 KIP LOAD AT ANY POINT.

TRUSS DETAIL

1/2" = 1'-0"



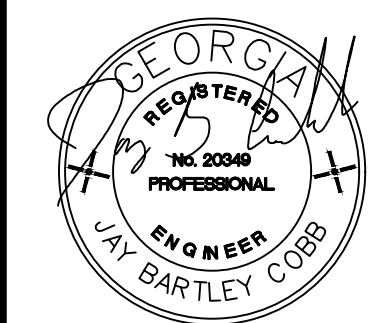
1 CHEMICAL FEED ROOM HVAC PLAN
SCALE: 1/2" = 1'



HVAC SYMBOLS AND ABBREVIATIONS			
	SUPPLY AIR DUCT UP/DOWN	CHWR	CHILLED WATER RETURN
	RETURN/EXHAUST AIR DUCT UP/DOWN	CHWS	CHILLED WATER SUPPLY
	NEW DUCTWORK	CU-*	CONDENSING UNIT
	FLEXIBLE DUCT	DIA.	DIAMETER
	VOLUME DAMPER	EF-*	EXHAUST FAN
	SUPPLY DIFFUSER	ES	EQUAL SPLIT
	RETURN OR EXHAUST GRILLE	FIL-*	FILTER
	THERMOSTAT	F-*	FURNACE
	PRESSURE SENSOR	GA	GAUGE
	SMOKE DETECTOR	OA	OUTSIDE AIR
	FIRE DAMPER	OE	OPEN ENDED DUCT
	FIRE/SMOKE DAMPER	SD	SPLITTER DAMPER
	PIPE TURNED DOWN	U/G	UNDERGROUND
	PIPE TURNED UP	UH-*	UNIT HEATER
	BRANCH PIPE OFF MAIN	VD	VOLUME DAMPER
	CUBIC FEET PER MINUTE	A/C-*	AIR CONDITIONING SYSTEM
	MOTOR OPERATOR	AF	ABOVE FINISHED FLOOR
		AHU-*	AIR HANDLING UNIT

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Since 1997 Duluth, GA 30132
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CITY OF CLEVELAND
WASTEWATER TREATMENT PLANT UPGRADES
CHEMICAL FEED ROOM HVAC PLAN

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