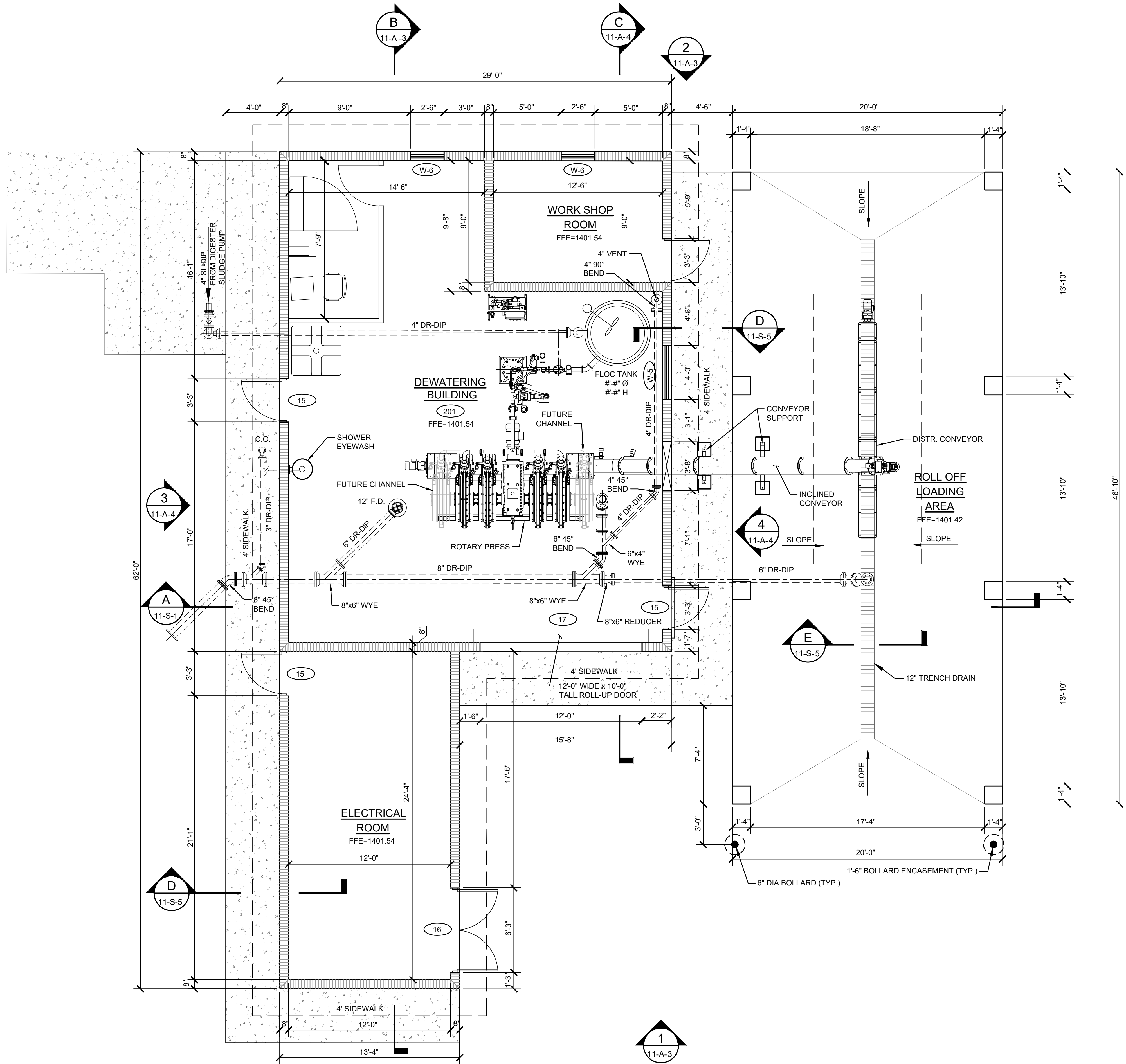


Z:\Projects\2019\2019-111 Cleveland - WWTP Expansion\06 Drawings\Area 11 - Dewatering and Electrical Building\11-A-1-Building Plan.dwg 08/01/2025 15:1pm aercamcam



PLAN
1/4" = 1'-0"



NOTE:
1. PROVIDE 12"x12" SIGN ABOVE HOSE BIBB STATION "POTABLE WATER".
2. PROVIDE 12"x12" SIGN ABOVE HOSE BIBB STATION "REUSE WATER".
3. WATER PRESS TO BOOSTER PUMP TO BE 55-65 PSI.



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



CITY OF CLEVELAND
WASTEWATER TREATMENT PLANT UPGRADES

DEWATERING BUILDING FLOOR PLAN

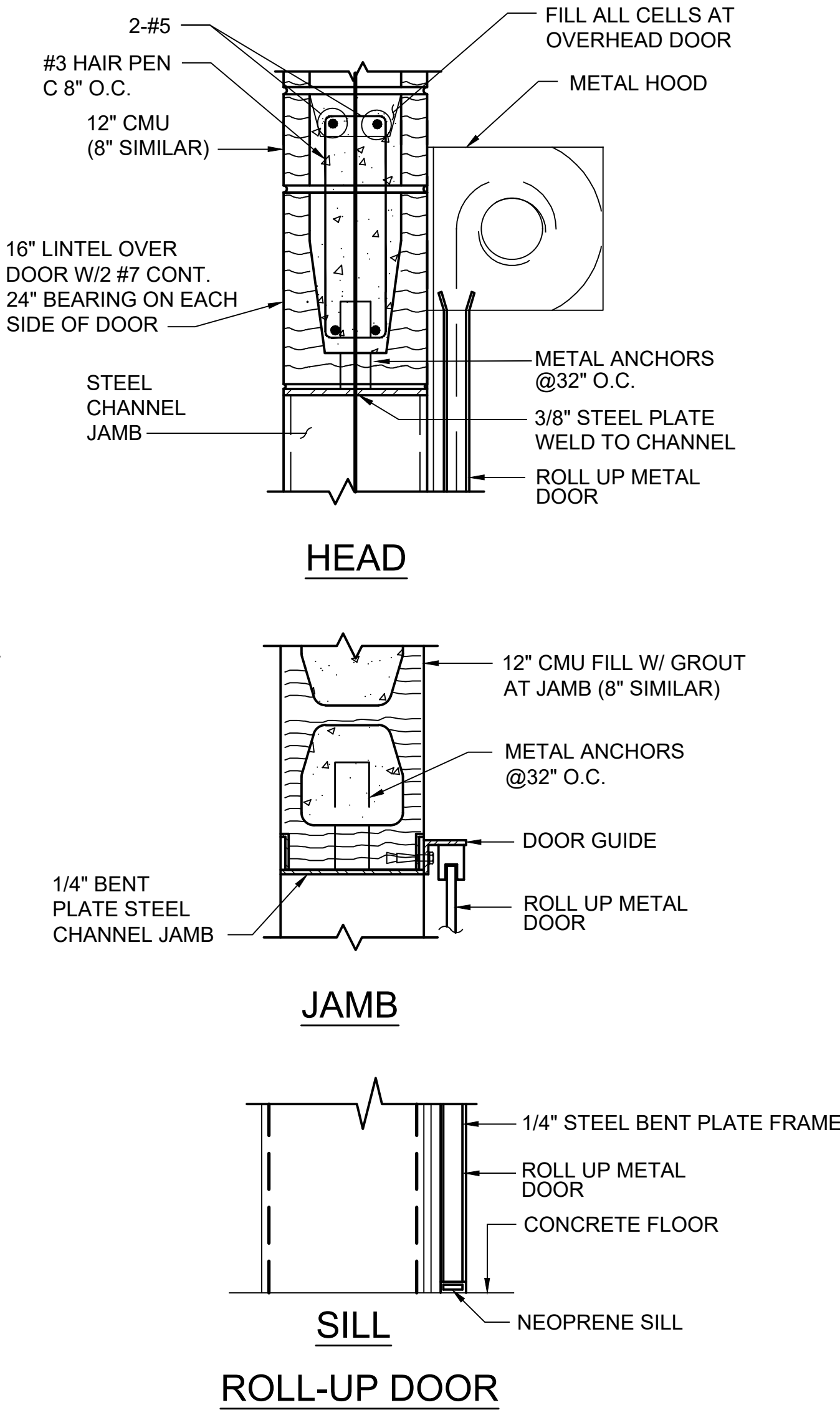
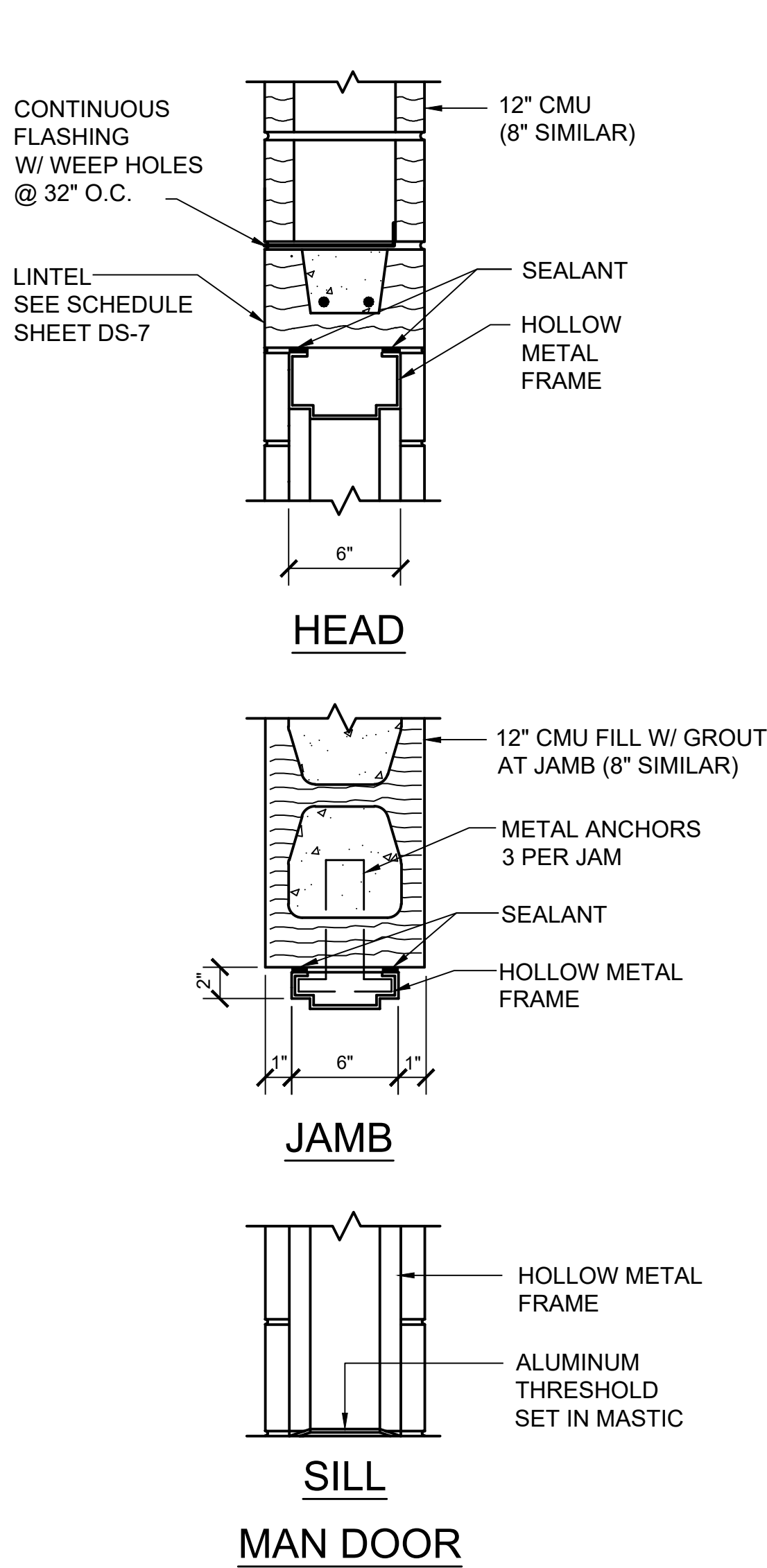
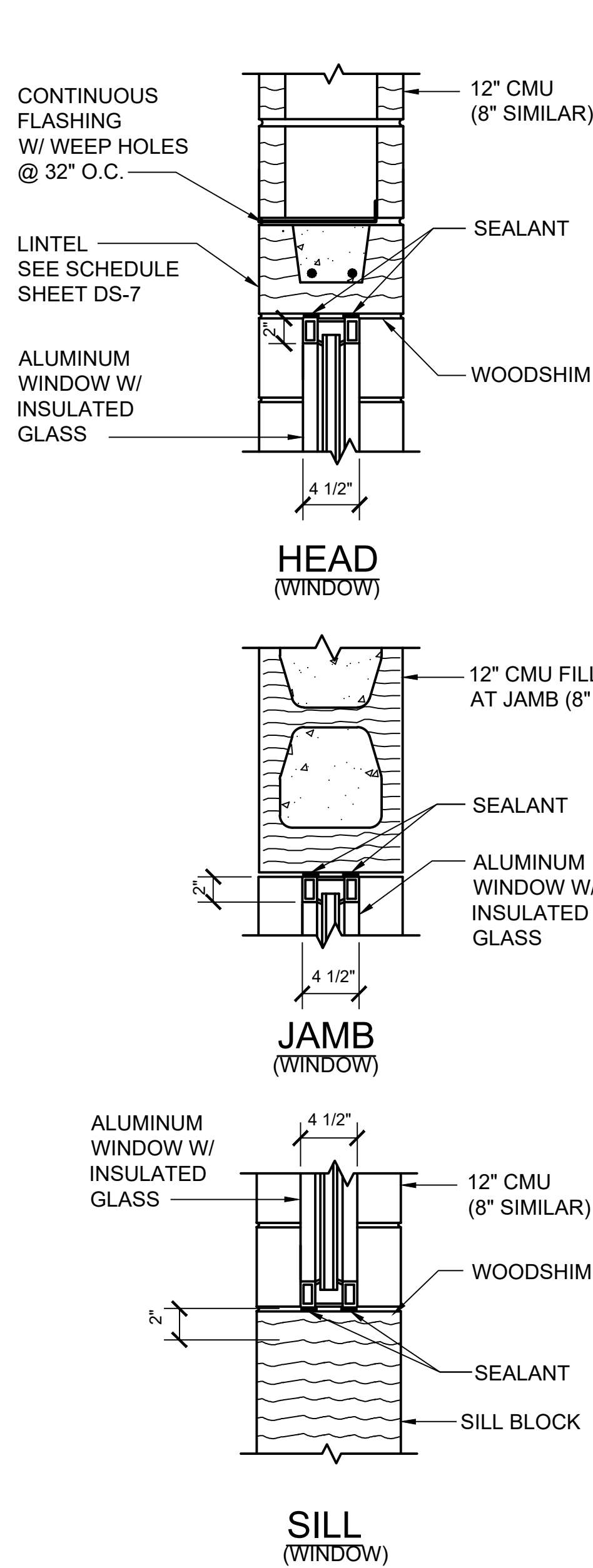
Drawn: AE	Design: AE	Checked: MM	Project No: R2019-111
Scale: AS SHOWN	Date: JULY 2022	1/4" = Building Plan.dwg	

Sheet No.

11-A-1

Z:\Projects\2019\2019-111 Cleveland - WWTP Expansion\06 Drawings\Area 11 - Devatering and Electrical Building\11-A-2-Typical Door & Wind.dwg 08/01/2025 1:51pm aencamacion

TYPICAL WINDOW DETAILS



TYPICAL DOOR DETAILS

ELEVATION	DOOR SCHEDULE				
	17	16	15	W-5	W-6
MARK	17	16	15	W-5	W-6
SIZE	12'-0" X 10'-0"	3'-0" X 7'-0" X 1-3/4"			
TYPE	ROLL-UP INSULATED	S.C. WD. BIRCH VEN.	INSULATED HOLLOW METAL	HOLLOW METAL / GLASS	ALUMINUM
FRAME		2" X 5-3/4" HOL. MET.	2"x5 3/4" HOLLOW METAL	2"x5 3/4" HOLLOW METAL	1 1/2"x 4" ALUMINUM
HEAD					
JAMB					
SILL					
HARDWARE SET					

GEORGIA
REGISTERED
Professional Engineer
NO. 059453
JULY 31, 2025
MBC M. MBUGUA

Initial

Date

7-31-2025

Revisions

No.

1

RELEASED FOR BID

RINDET
ENGINEERING + ENVIRONMENTAL

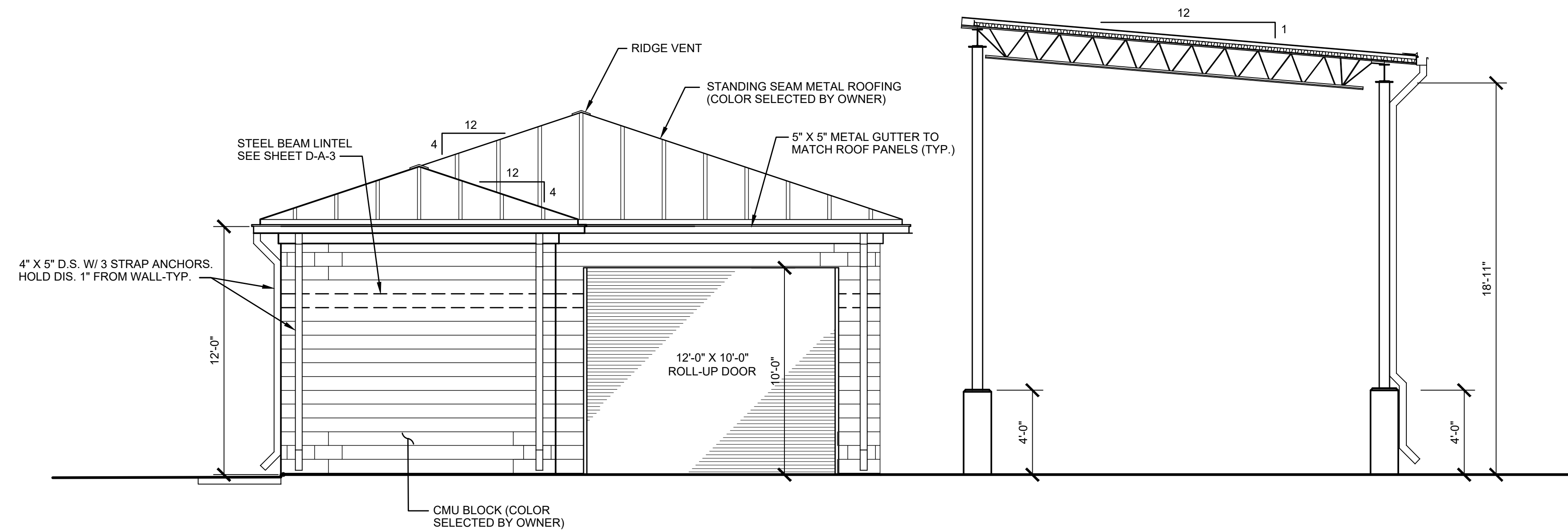
CITY OF CLEVELAND
WASTEWATER TREATMENT PLANT UPGRADES

TYPICAL DOOR AND WINDOW DETAILS

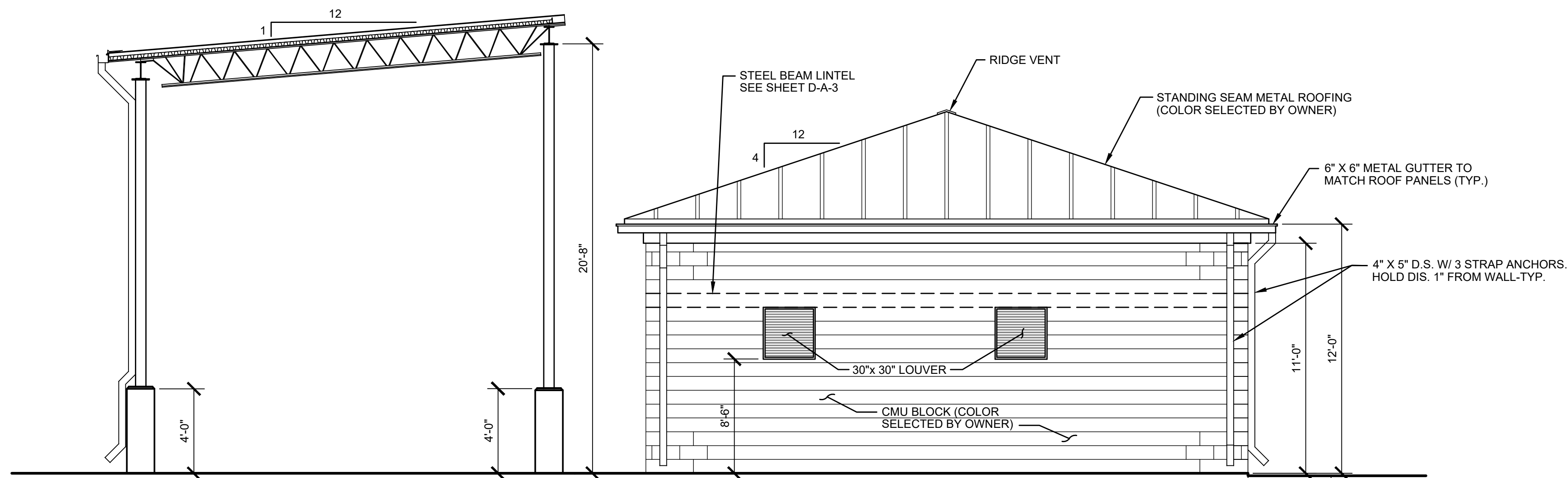
Drawn: AE
Design: AE
Checked: MM
Project No: R2019-111
Scale: AS SHOWN
Date: JULY 2022
11-A-2 Typical Door & Wind.dwg

Sheet No.
11-A-2

Z:\Projects\2019\2019-111 Cleveland - WWTTP Expansion\06 Drawings\Area 11 - Dewatering and Electrical Building\11-A-3-Building Elevations.dwg 08/01/2025 1:52pm aencarnacion



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



2 BACK ELEVATION
1/4" = 1'-0"



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

RINQ
ENGINEERING + ENVIRONMENTAL

CITY OF CLEVELAND
WASTEWATER TREATMENT PLANT UPGRADES

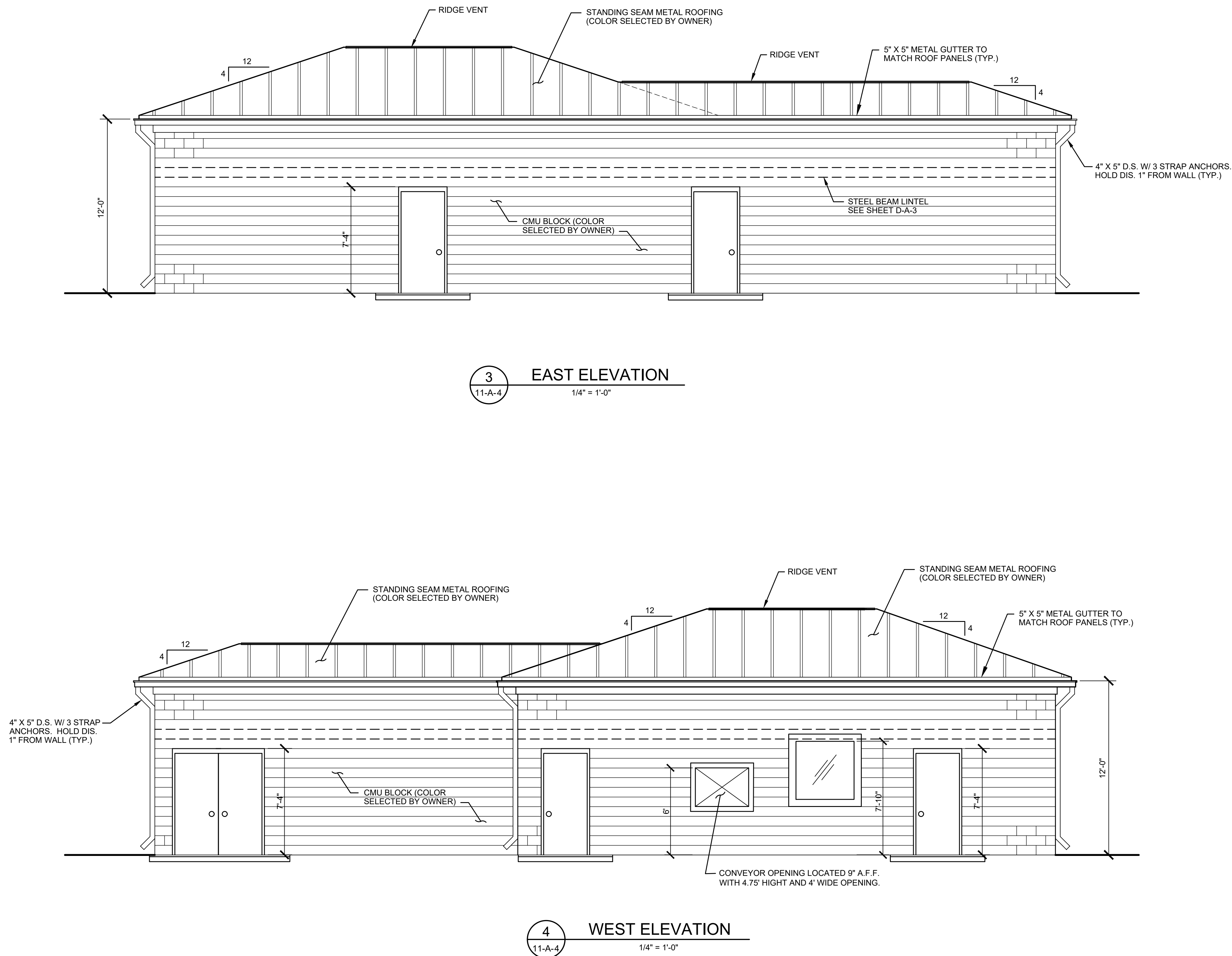
DEWATERING BUILDING ELEVATIONS

Drawn: AE	Project No: R2019-111
Design: AE	Scale: 1/4" = 1'-0"
Checked: MM	Date: JULY 2022
	11-A-3-Building Elevations.dwg

Sheet No.

11-A-3

Z:\Projects\2019\2019-111 Cleveland - WWTTP Expansion\06 Drawings\Area 11 - Dewatering and Electrical Building\11-A-4-Building Elevations2.dwg 08/01/2025 1:53pm aencarnacion



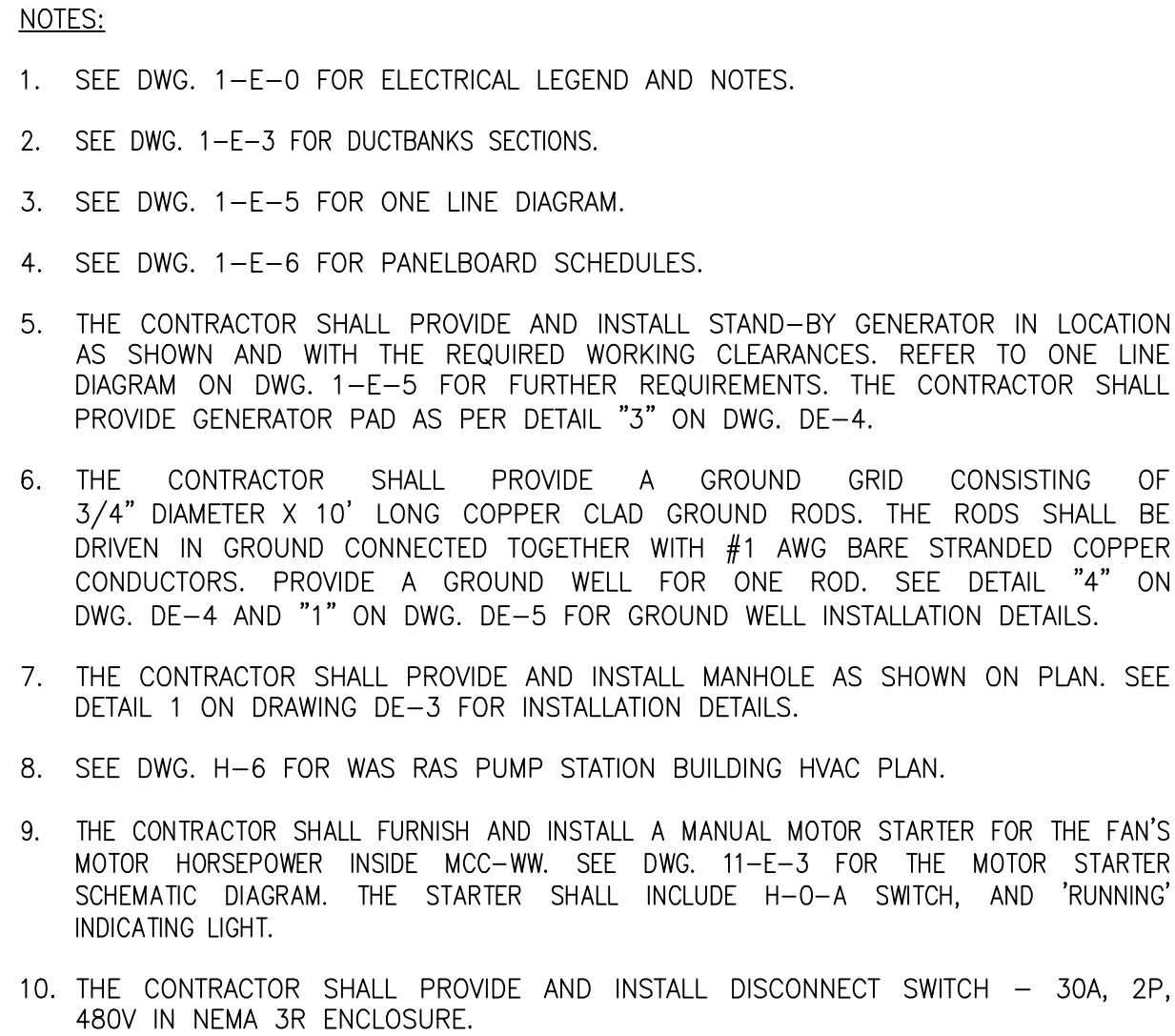
No.	Revisions	Initial	Date
1	RELEASED FOR BID	MM	7-31-2025



CITY OF CLEVELAND
WASTEWATER TREATMENT PLANT UPGRADES
DEWATERING BUILDING
ELEVATIONS AND SCHEDULES

Drawn: AE	Project No: R2019-111
Design: AE	Scale: 1/4" = 1'-0"
Checked: MM	Date: JULY 2022
	11-A-4-Building Elevations2.dwg

Sheet No.
11-A-4



LEGEND:

■ ■ ■ ■ - DIRECT BURIED UNDERGROUND DUCTBANK

■ RC ■ RC ■ - REINFORCED CONCRETE ENCASED UNDERGROUND DUCTBANK



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



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

The logo for RINQ Engineering + Environmental. It features the word "RINQ" in a large, bold, sans-serif font. The letter "Q" is stylized with a blue square outline and a blue dot. To the right of "RINQ" is a blue wavy line. Below the wavy line, the words "ENGINEERING + ENVIRONMENTAL" are written in a smaller, bold, sans-serif font.

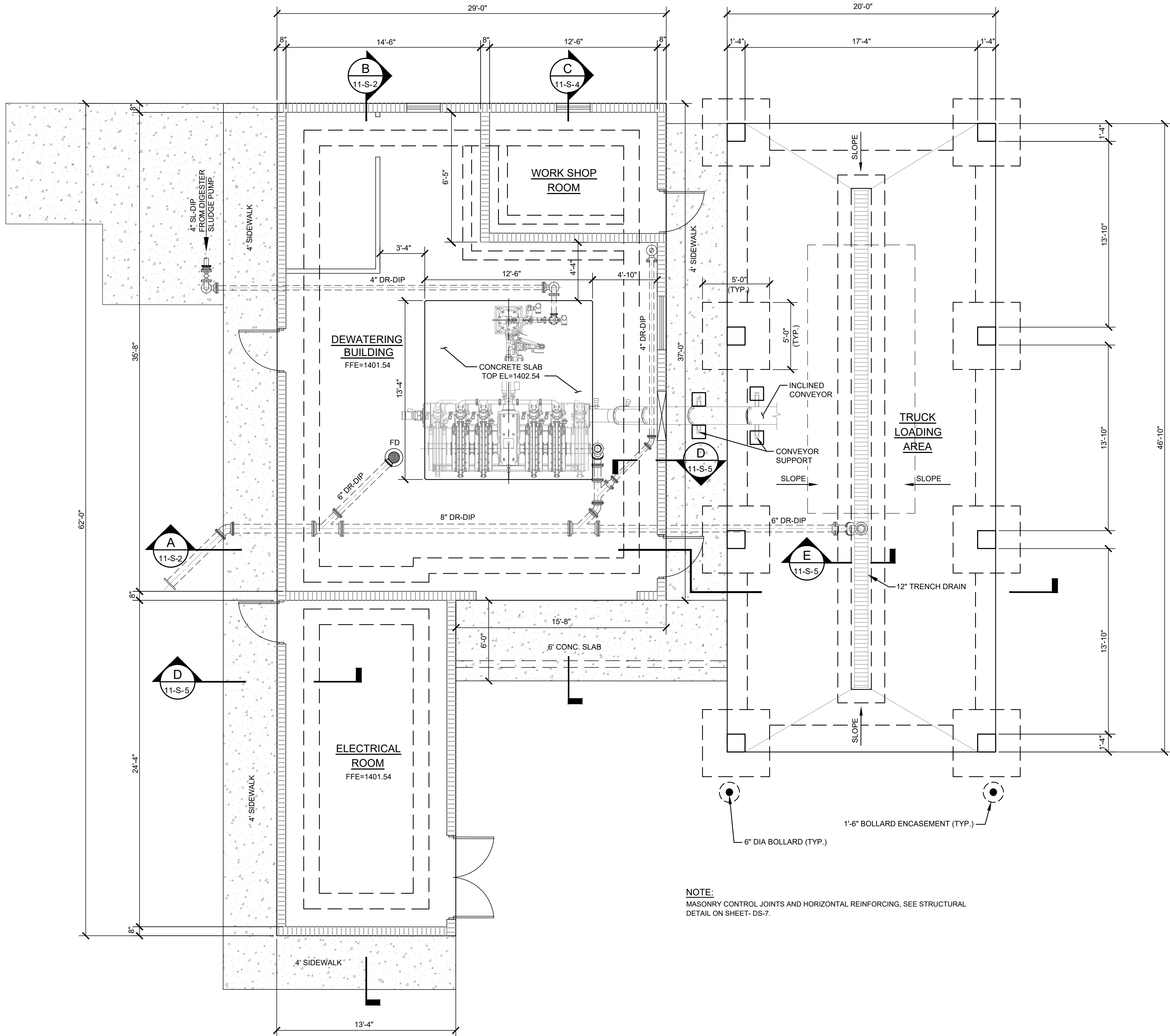
CITY OF CLEVELAND
WASTEWATER TREATMENT PLANT UPGRADES
DEWATERING BUILDING
ELECTRICAL PLAN

Drawn: GS
Design: GS
Checked: AZ
Project No: R2019-111
Scale: AS SHOWN
Date: JULY 2025

Sheet No

11-E-1

Z:\Projects\2019\R2019-111 Cleveland - WWTP Expansion\06 Drawings\Area 11 - Dewatering and Electrical Building\11-S-1-Building Foundation Plan.dwg 08/01/2025 1:55pm aencarnacion



PLAN
3/8" = 1'-0"



NOTE:

1. PROVIDE 12"x12" SIGN ABOVE HOSE BIBB STATION "POTABLE WATER".
2. PROVIDE 12"x12" SIGN ABOVE HOSE BIBB STATION "REUSE WATER".
3. WATER PRESS TO BOOSTER PUMP TO BE 55-65 PSI.



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



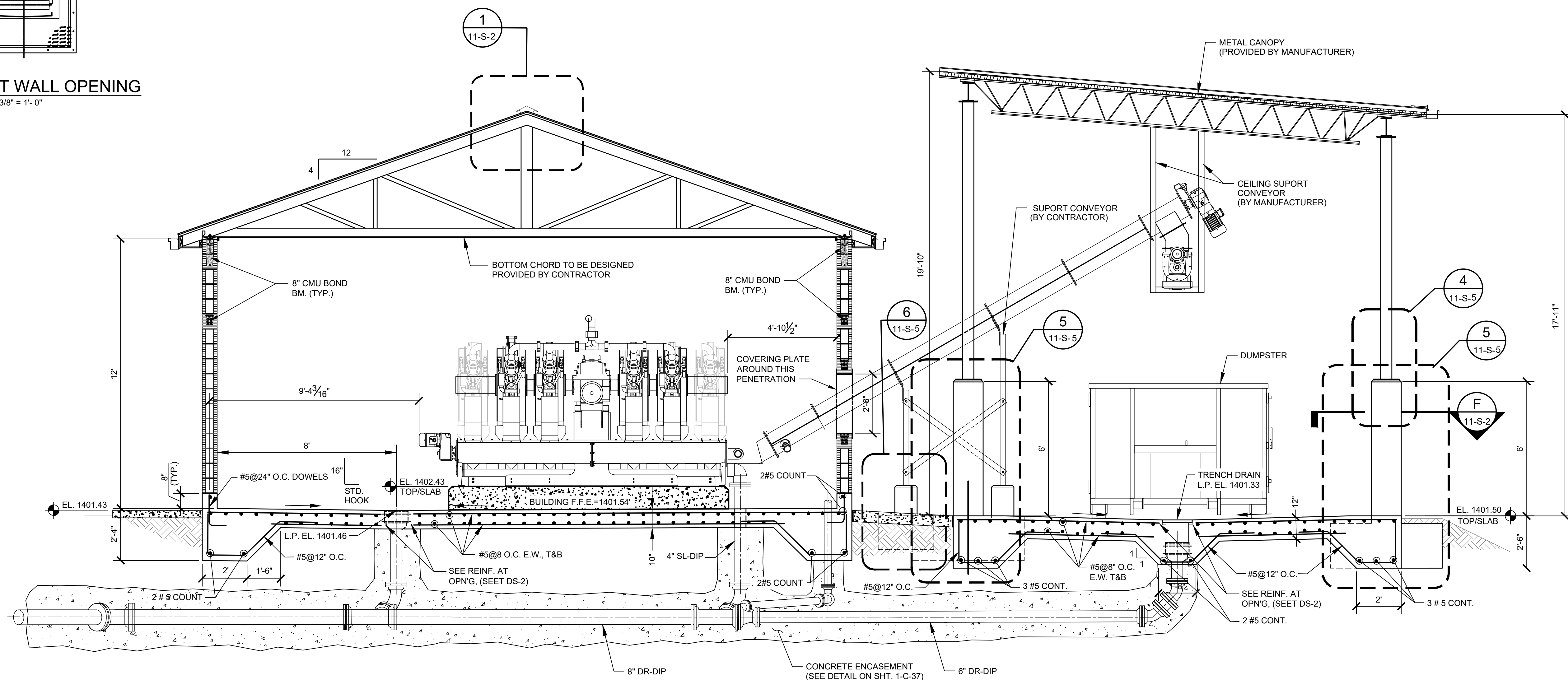
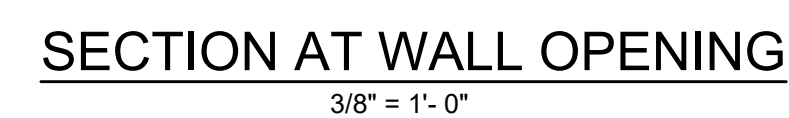
CITY OF CLEVELAND
WASTEWATER TREATMENT PLANT UPGRADES

DEWATERING BUILDING FOUNDATION PLAN

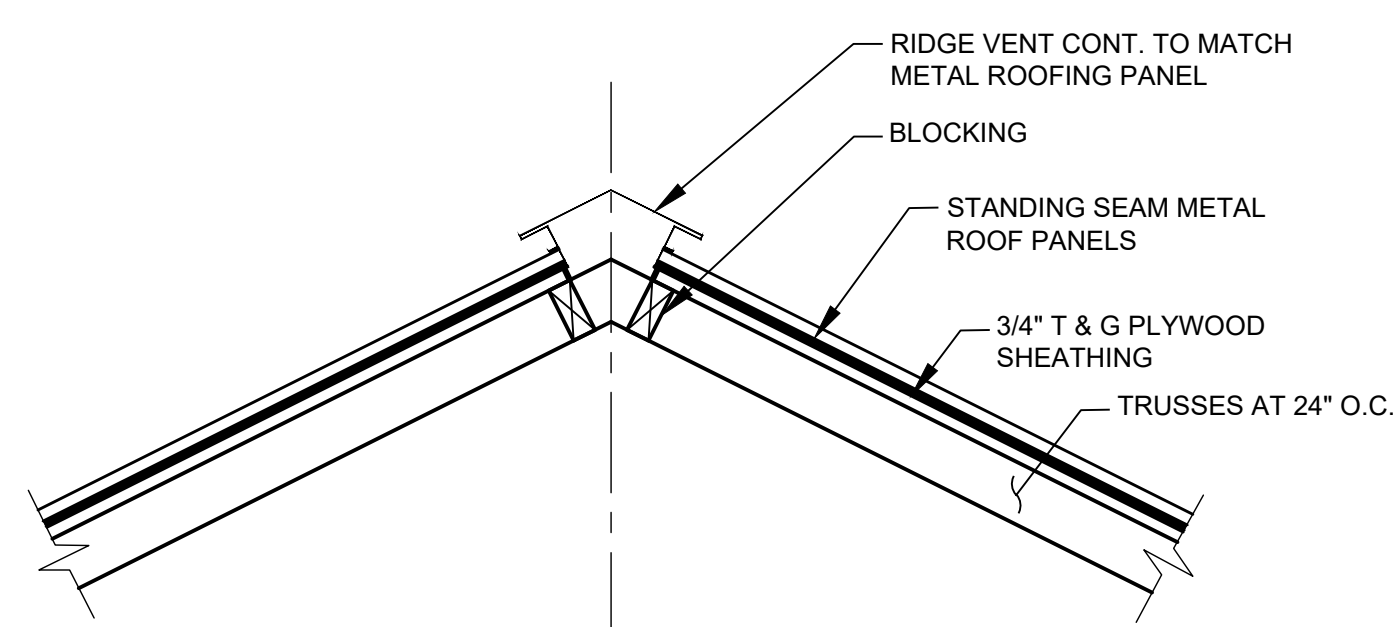
Drawn: AE	Design: AE	Checked: MM	Project No: R2019-111	Scale: 1" = 20'	Date: JULY 2022
11-S-Building Foundation Plan.dwg					

Sheet No.

11-S-1



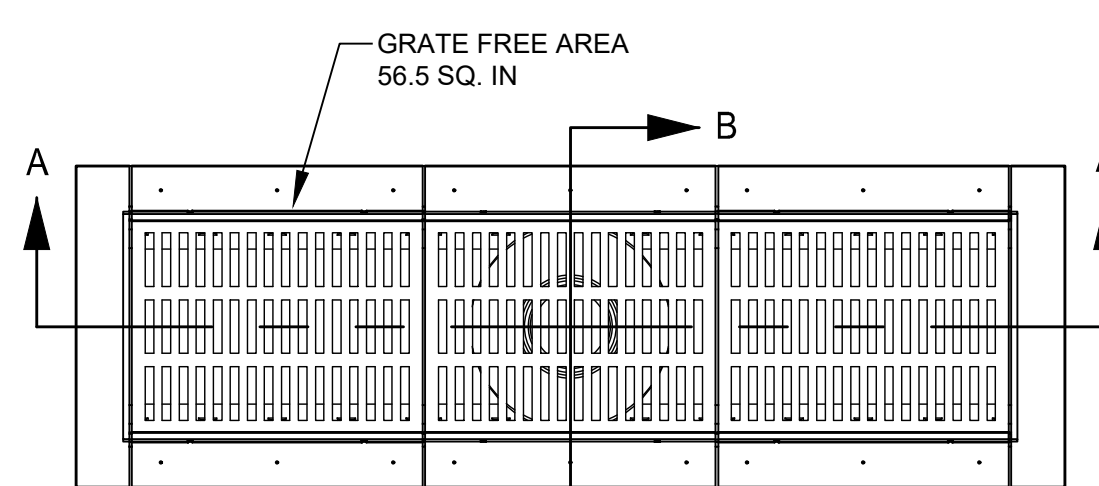
SECTION
3/8" = 1' - 0"



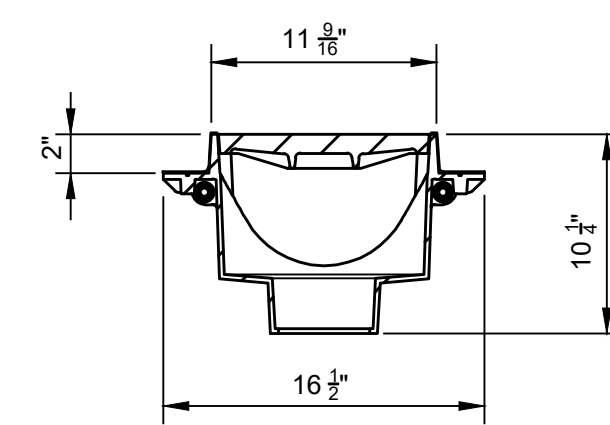
1
11-S-2

DETAIL

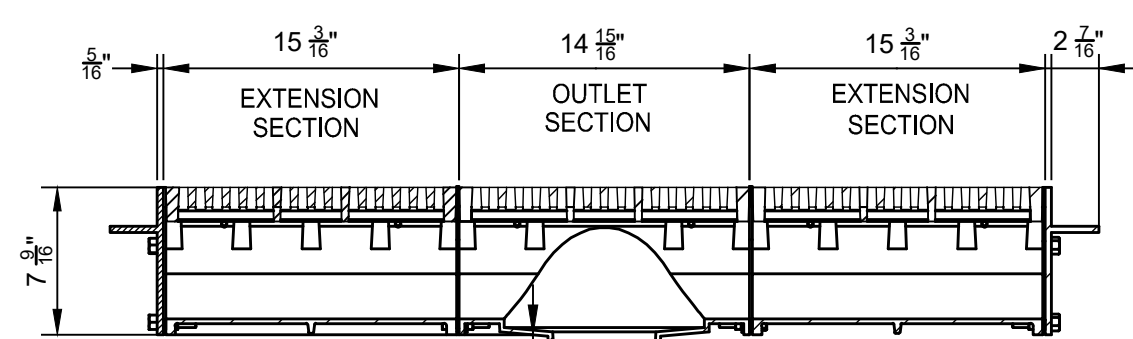
1" = 1'-0"



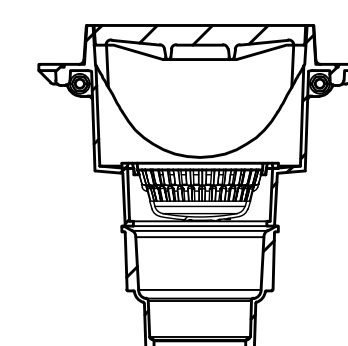
PLAN



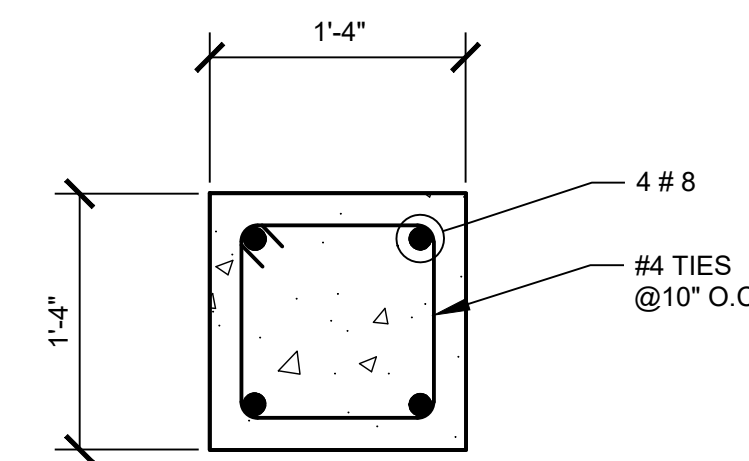
SECTION B-B



SECTION A-A



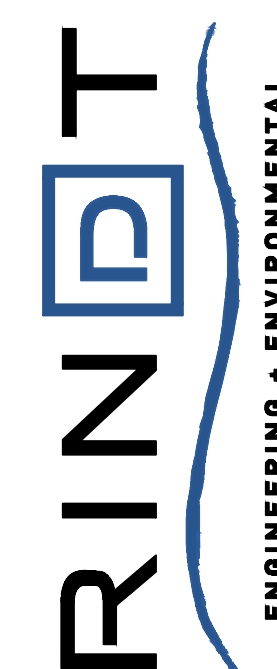
SEDIMENT BUCKET
CAST IRON OPTION SHOWN



F
11-S-2



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



CITY OF CLEVELAND WASTEWATER TREATMENT PLANT UPGRADES

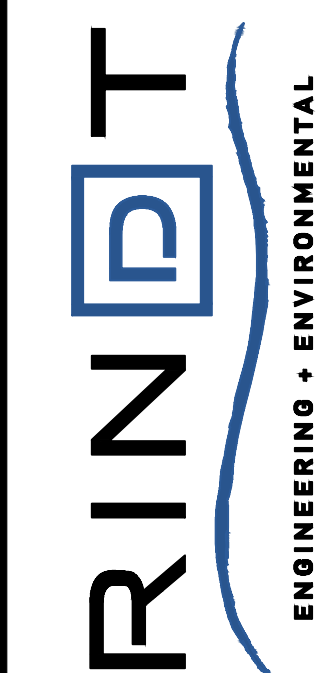
DEWATERING BUILDING SECTION

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

Sheet No.

11-S-2

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



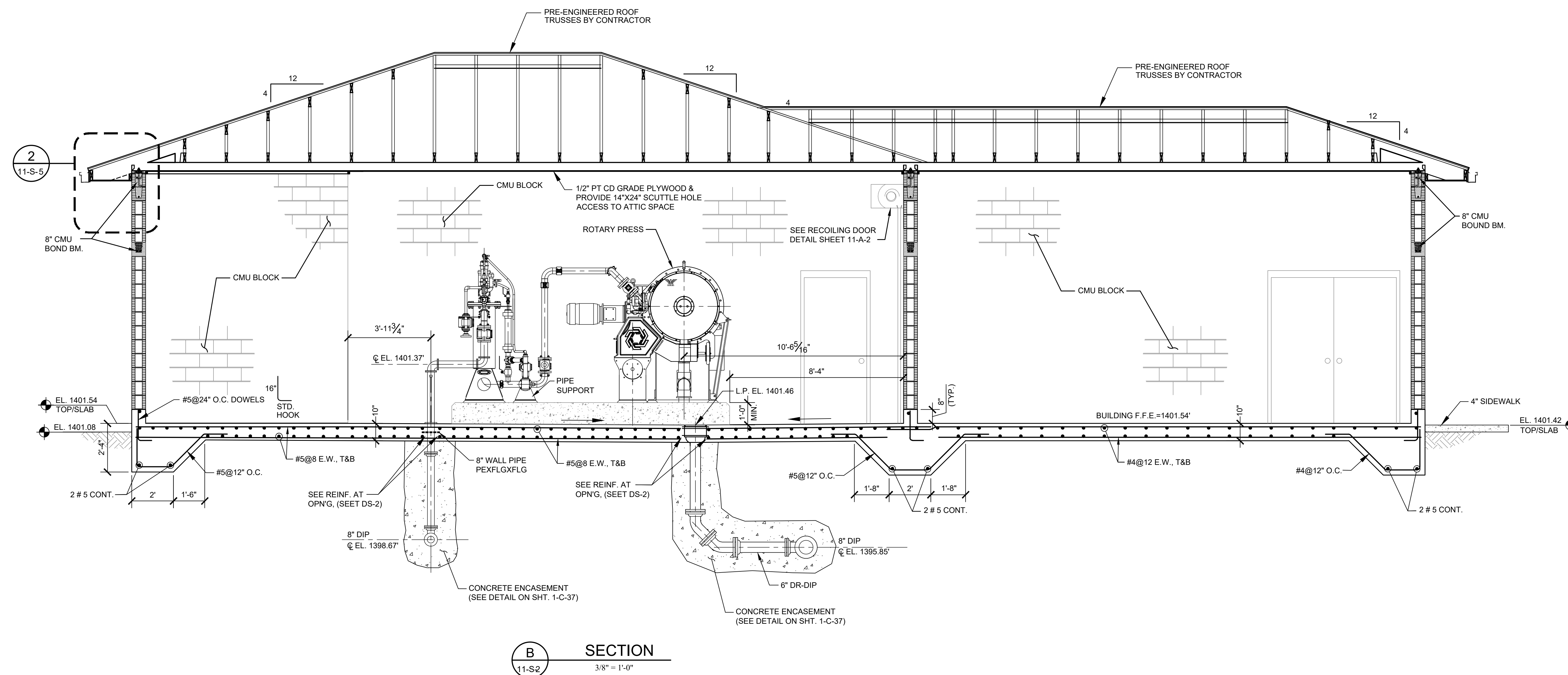
CITY OF CLEVELAND WASTEWATER TREATMENT PLANT UPGRADES

DEWATERING BUILDING SECTION

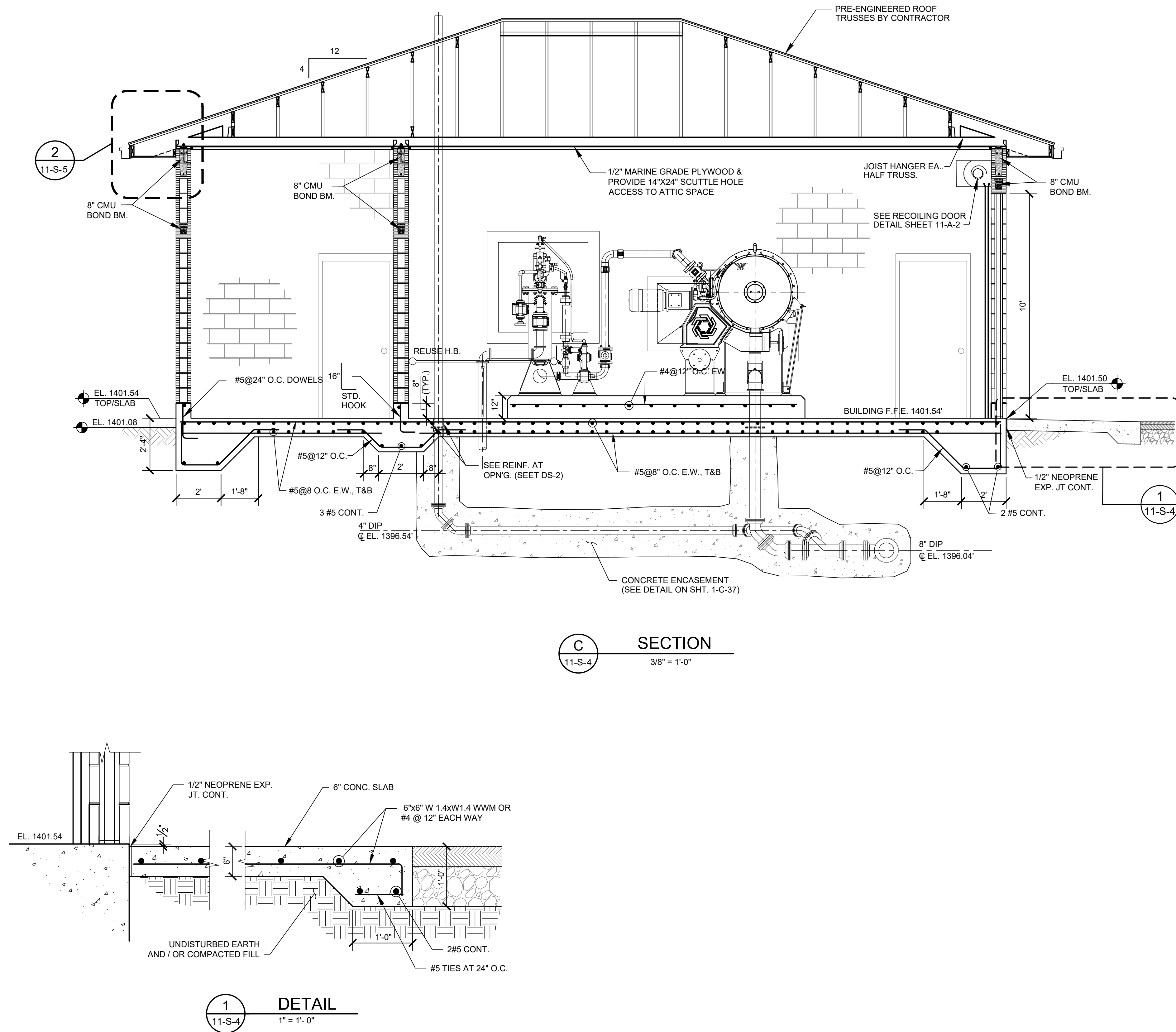
Drawn: AE
Design: AE
Checked: MM
Project No: R2019-111
Scale: AS SHOWN
Date: JULY 2022
11-5-3-Building Section.dwg

Sheet No.

11-S-3



Z:\Projects\2019\2019-111 Cleveland - WWTTP Expansion\06 Drawings\Area 11 - Dewatering and Electrical Building\11-S-4-Building Section.dwg 08/01/2025 1:58pm aencarnacion

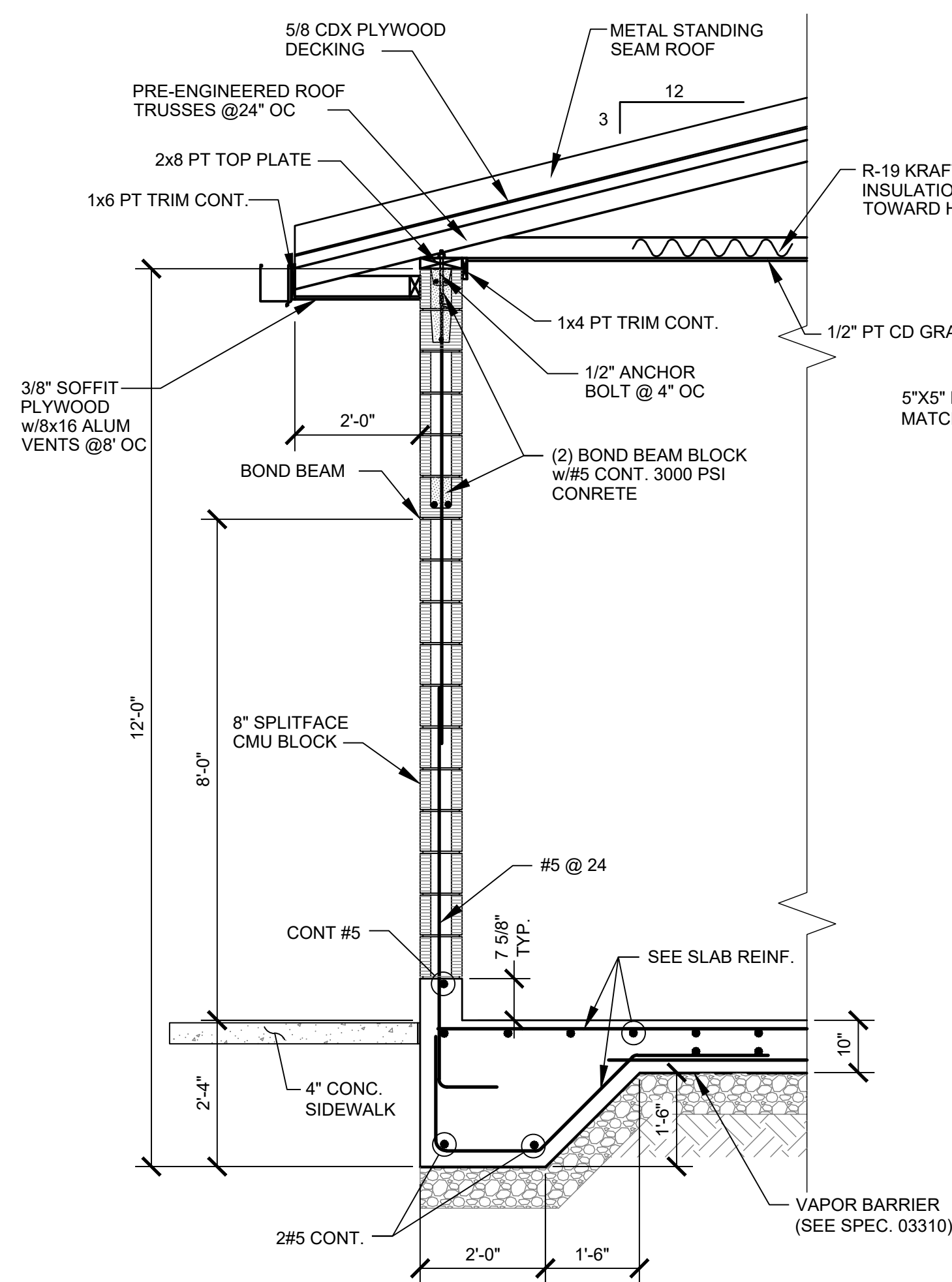


No.	Revisions	Initial	Date
1	RELEASED FOR BID	MM	7-31-2025

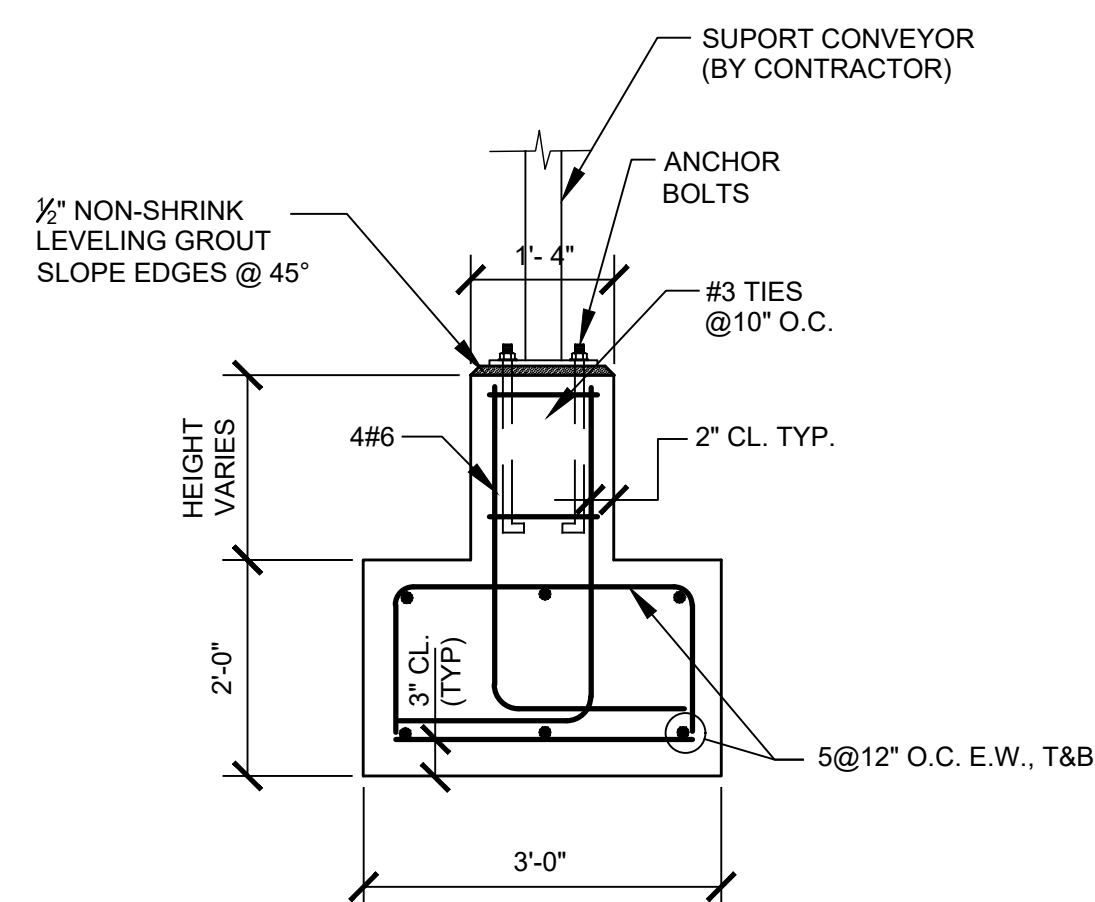


CITY OF CLEVELAND
WASTEWATER TREATMENT PLANT UPGRADES
DEWATERING BUILDING SECTION

Drawn: AE	Project No: R2019-111
Design: AE	Scale: AS SHOWN
Checked: MM	Date: JULY 2022
	11-S-4-Building Section.dwg

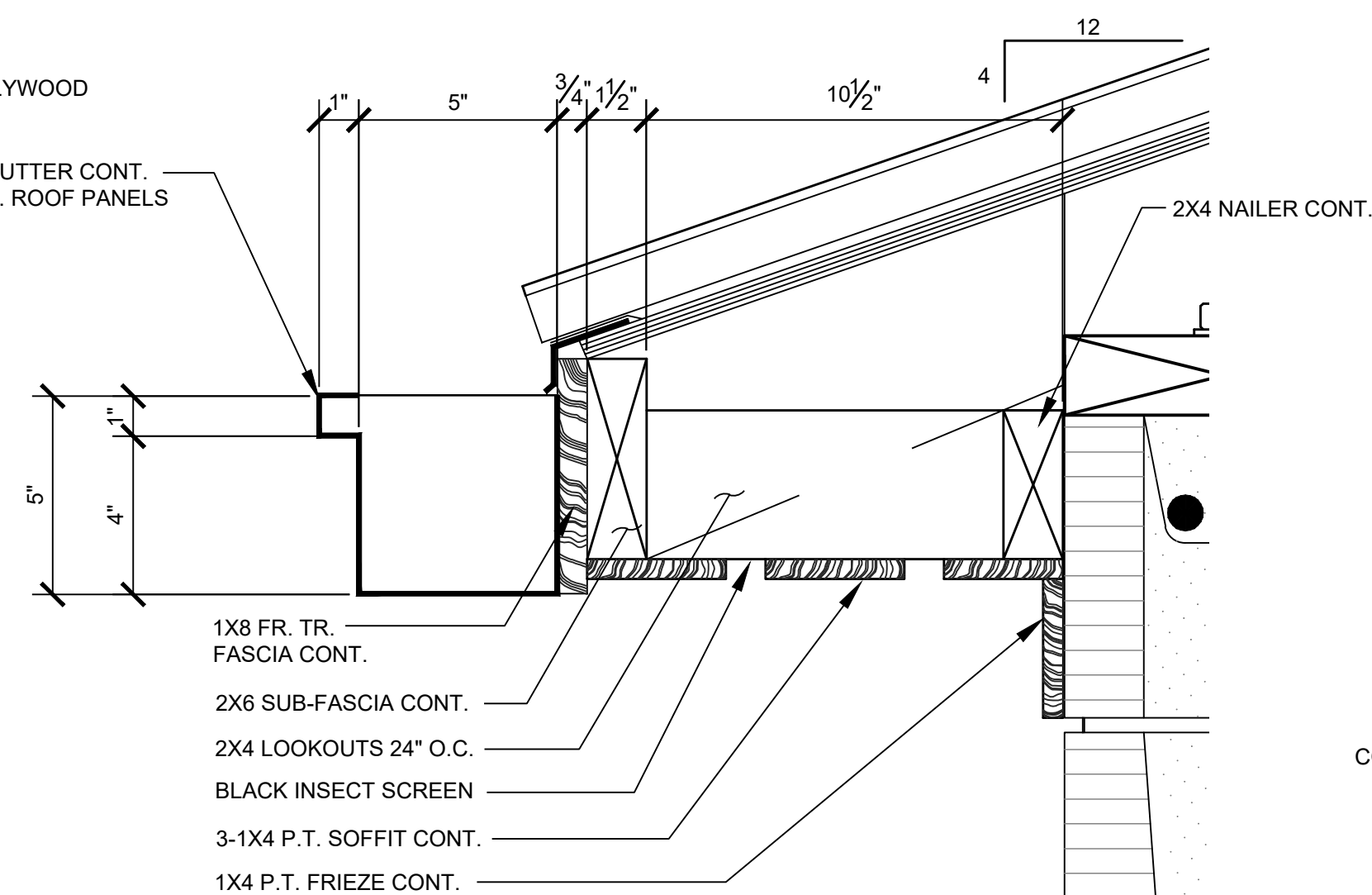


NOTE:
VERTICAL BLOCK REINFORCING TO BE
PLACED EVERY OTHER COURSE.

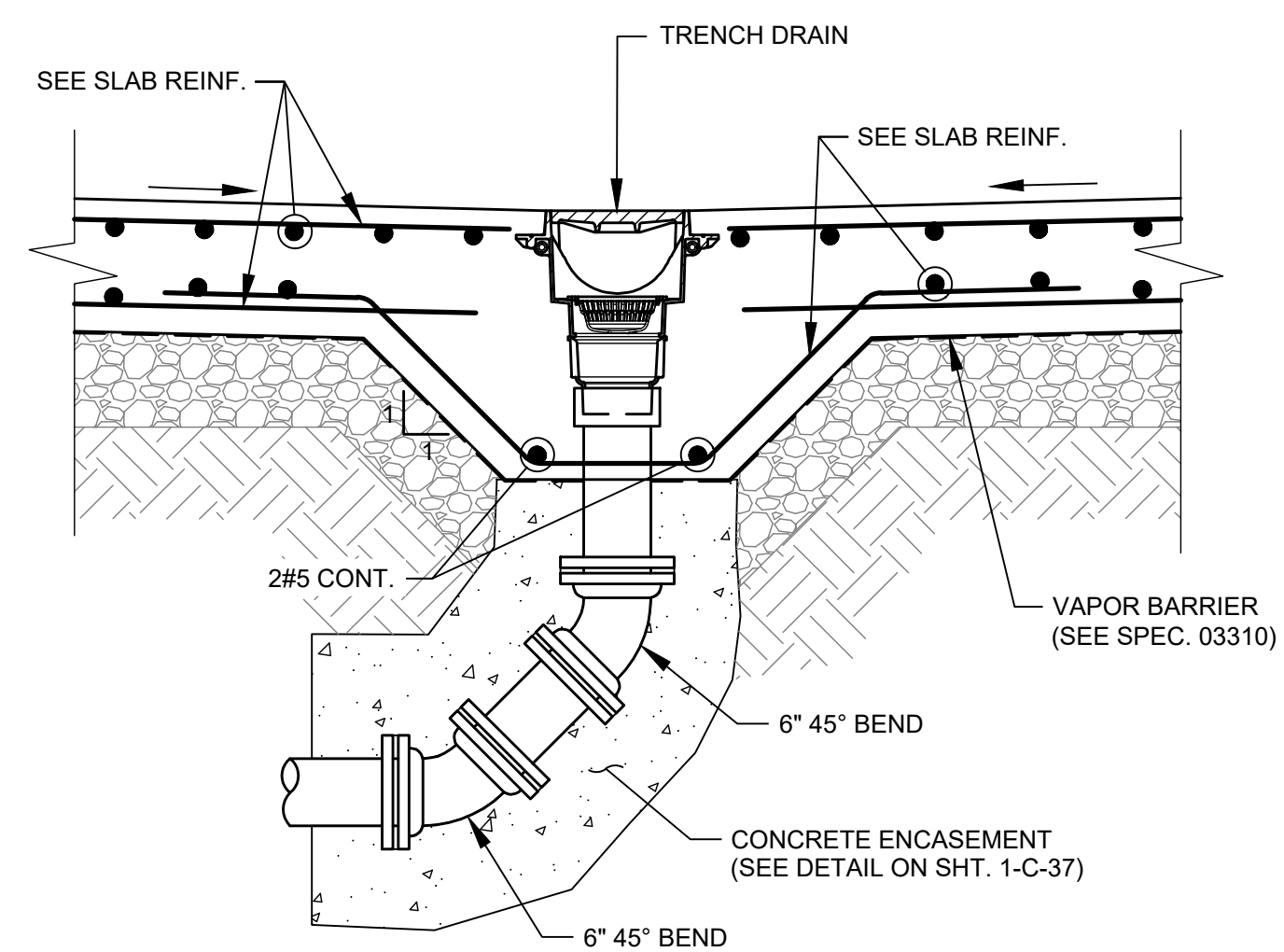


6
11-S-5

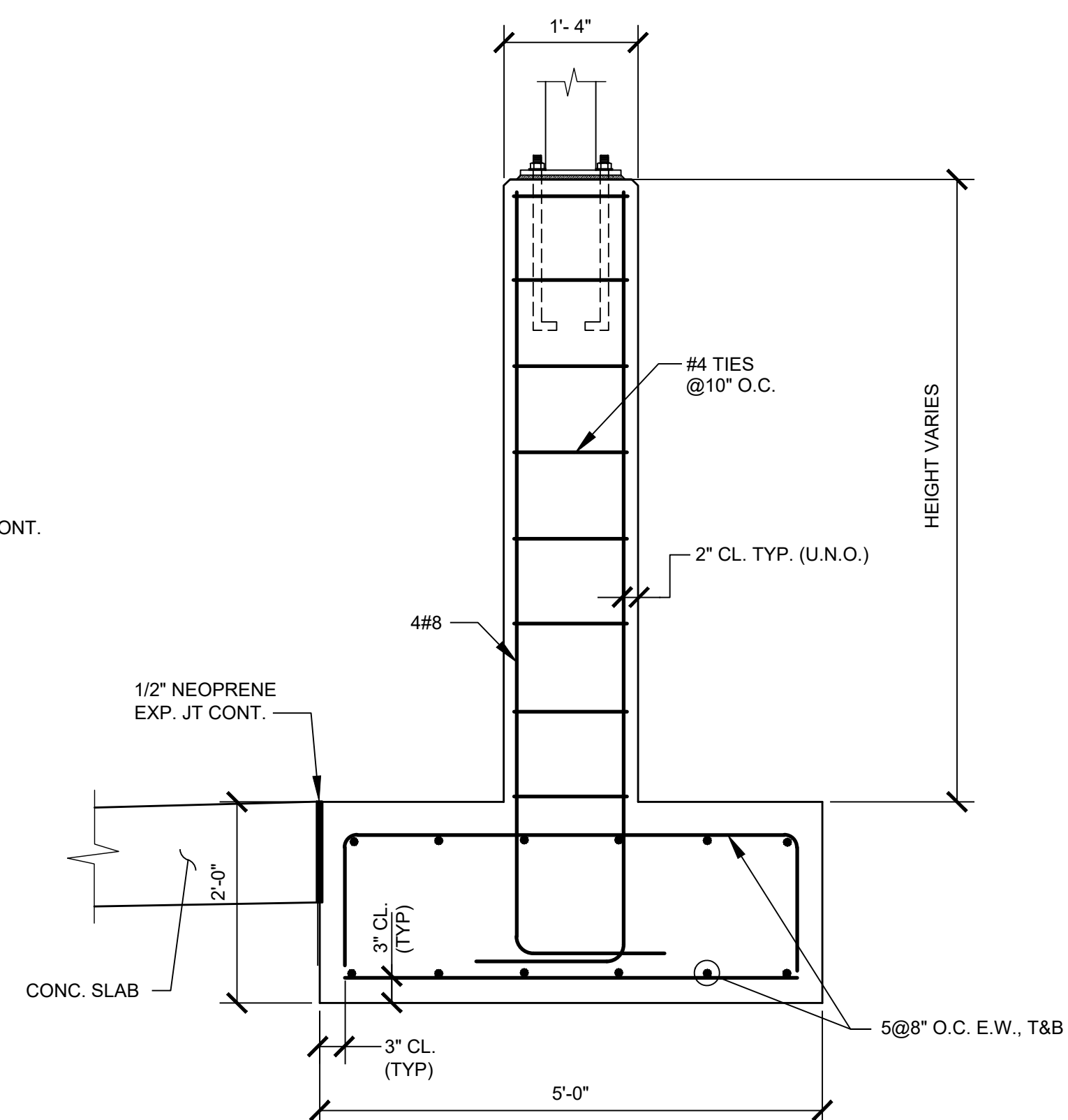
DETAIL
1"=1'-0"



2 DETAIL-TYPICAL CORNICE
11-S-5 3" = 1'-0"

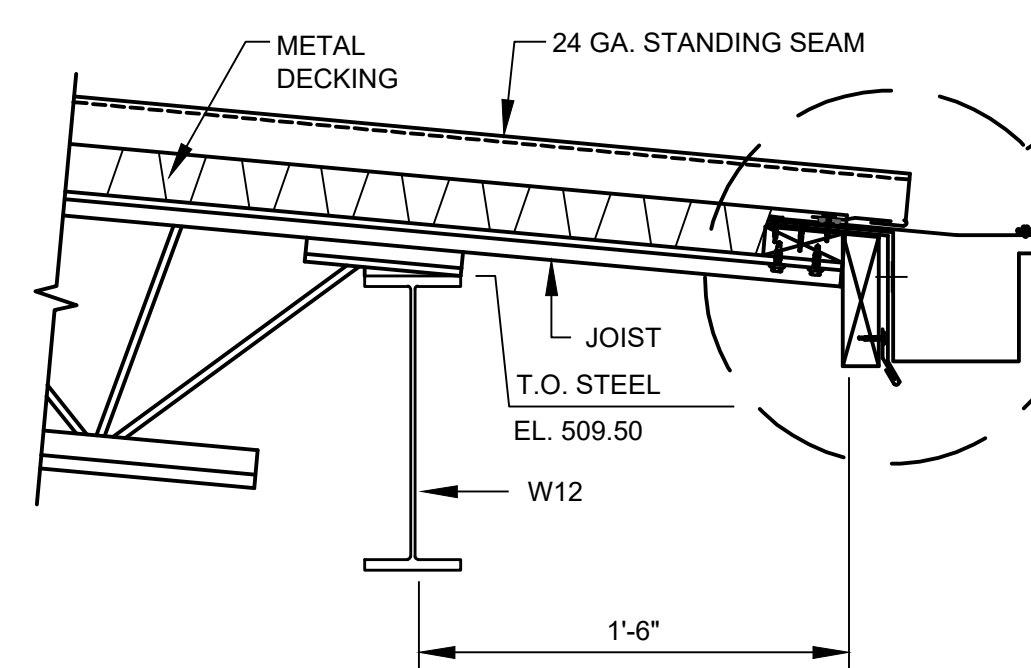
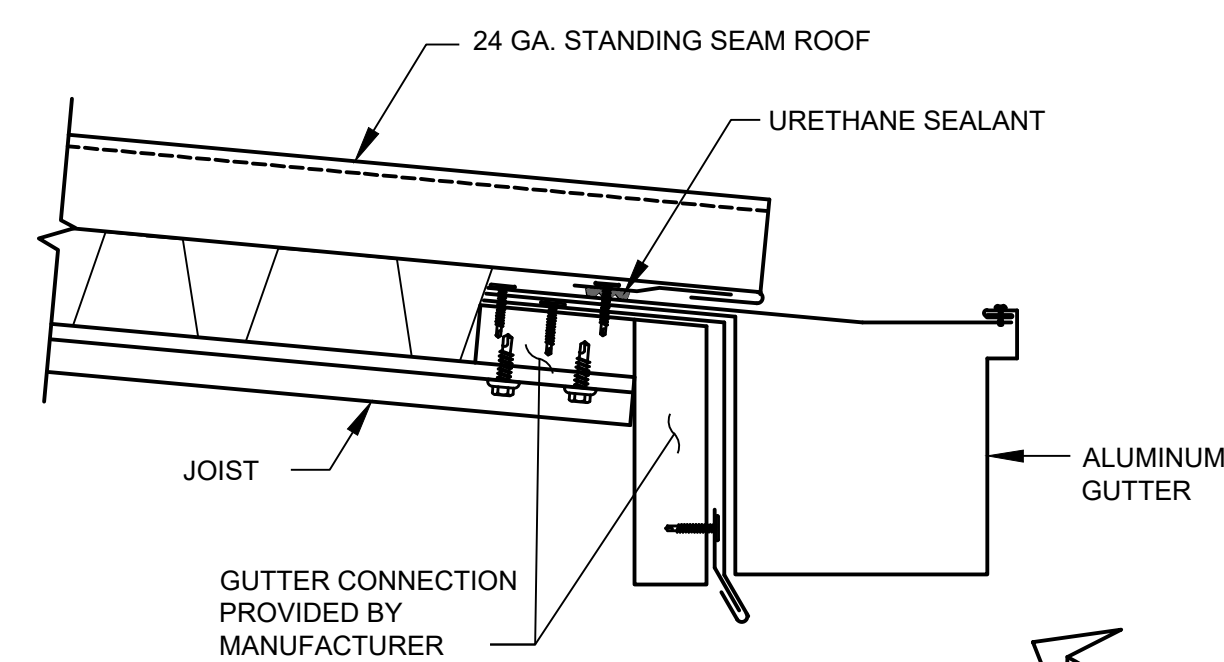


E SECTION
11-S-5 1/2" = 1'-0"

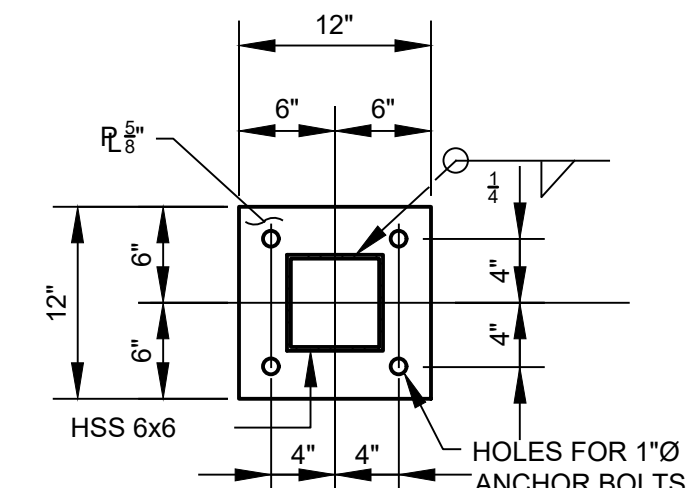


5
11-S-5

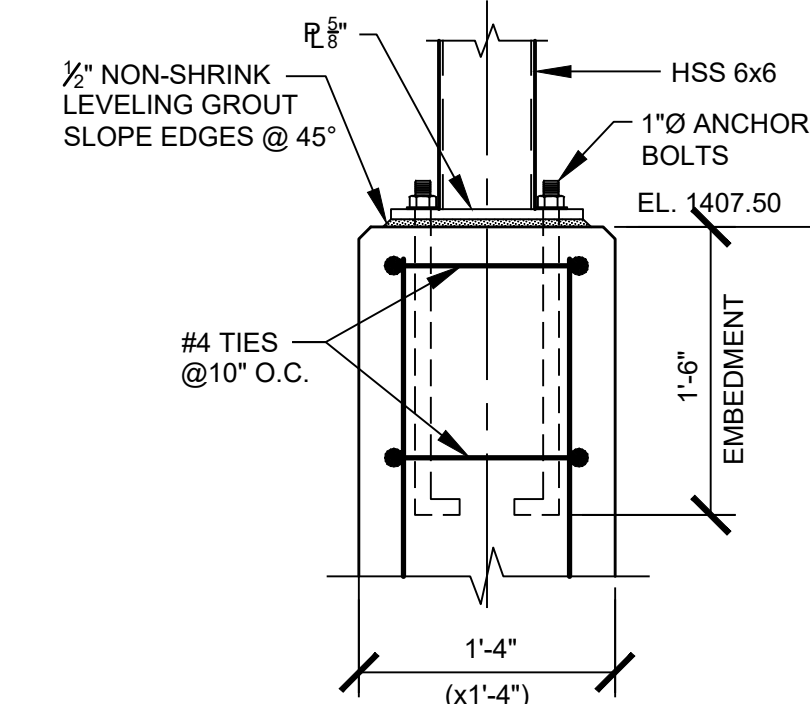
DETAIL
1"=1'-0"



G SECTION
11-S-5 1" = 1'-0"



PLAN

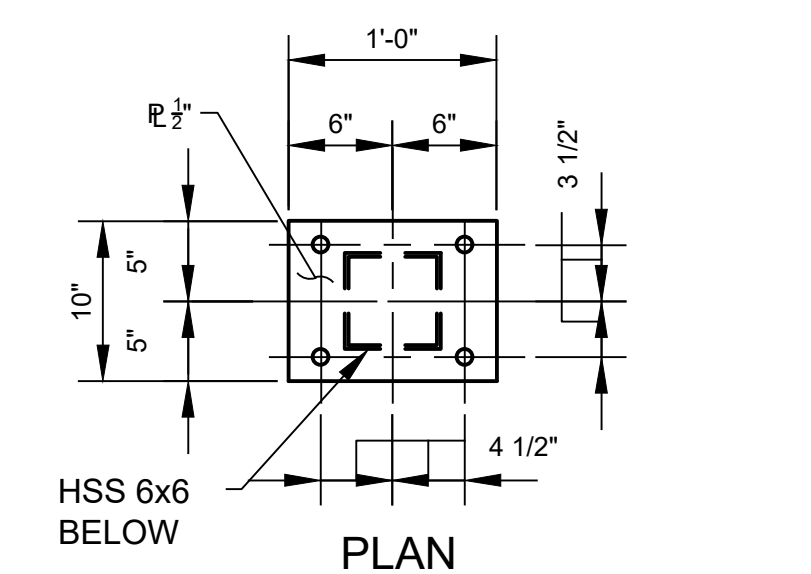


ELEVATION

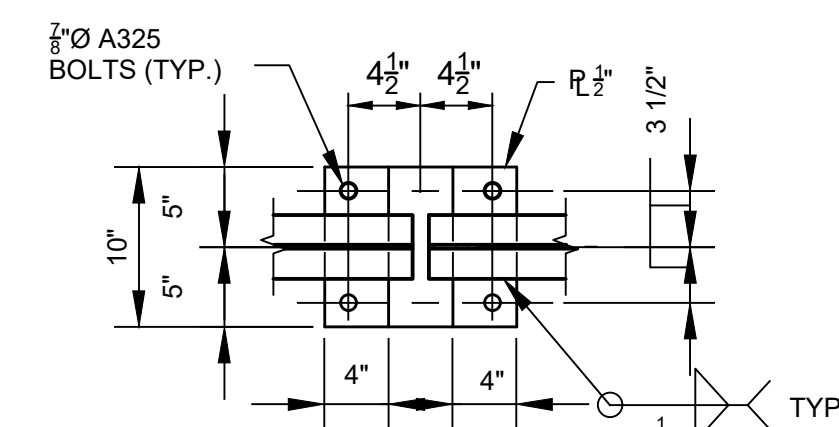
4
11-S-5

DETAIL

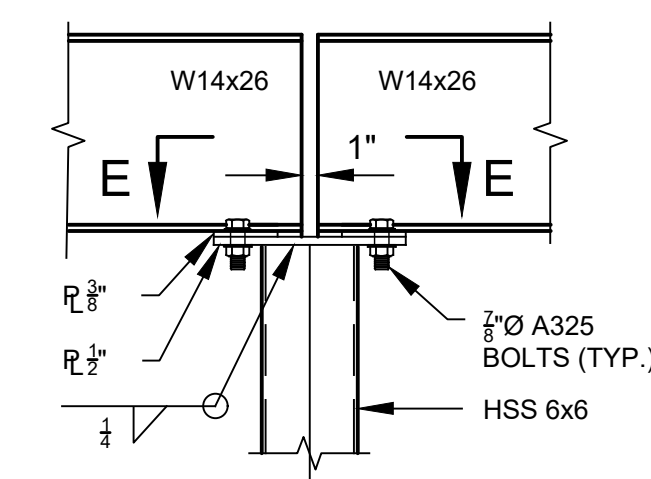
1" = 1'-0"



PLAN



VIEW E-E



ELEVATION

 SECTION
1" = 1'-0"



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



CITY OF CLEVELAND
WASTEWATER TREATMENT PLANT UPGRADES
DEWATERING BUILDING
STRUCTURAL SECTIONS AND DETAILS

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

Sheet No.

11-S-5

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



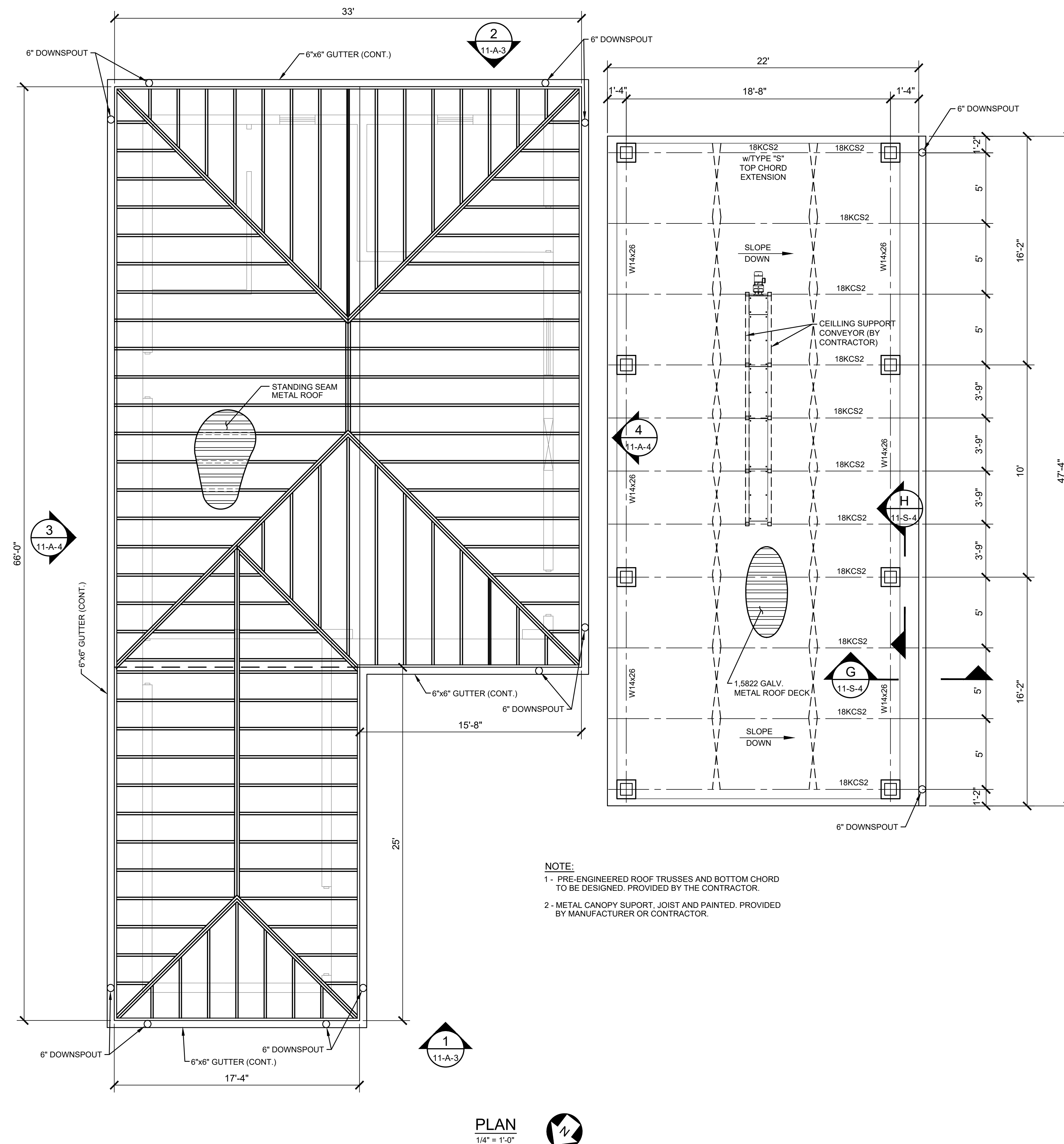
CITY OF CLEVELAND WASTEWATER TREATMENT PLANT UPGRADES

DEWATERING BUILDING ROOF PLAN

Drawn: AE
Design: AE
Checked: MM
Project No: R2019-111
Scale: 3/8" = 1'-0"
Date: JULY 2022
11-S-4-Bulking Roof Plan.dwg

Sheet No.

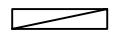
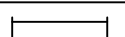
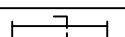
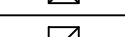
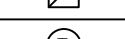
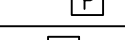
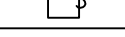
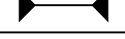
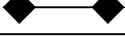
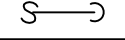
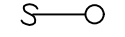
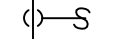
11-S-6

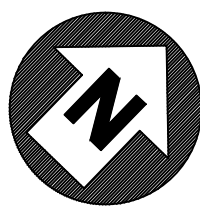
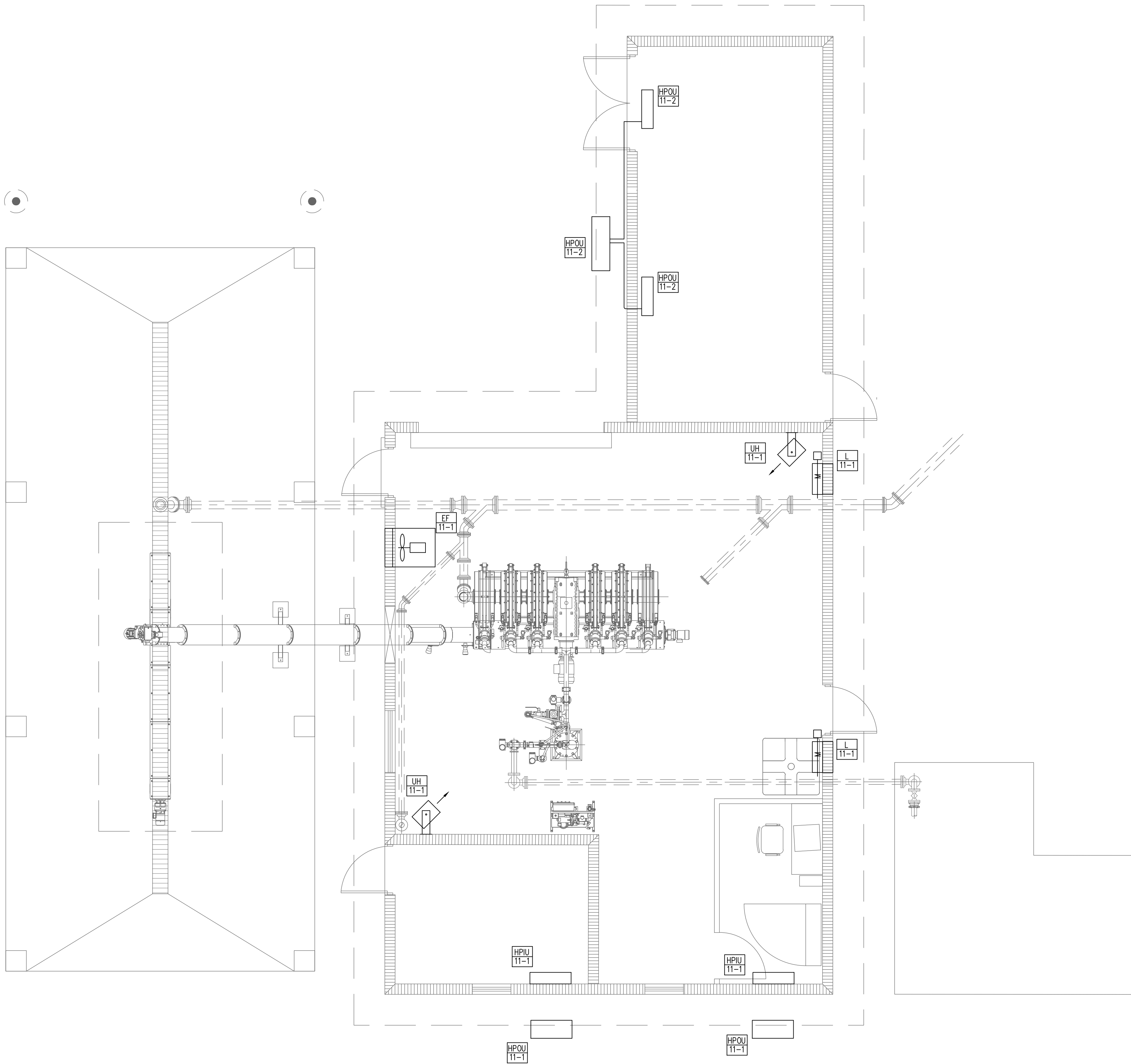


NOTE:

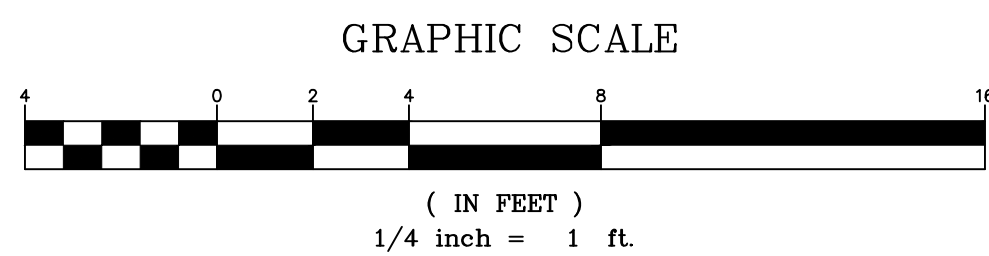
- 1 - PRE-ENGINEERED ROOF TRUSSES AND BOTTOM CHORD TO BE DESIGNED. PROVIDED BY THE CONTRACTOR.
- 2 - METAL CANOPY SUPPORT, JOIST AND PAINTED. PROVIDED BY MANUFACTURER OR CONTRACTOR.

PLAN
1/4" = 1'-0"

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	AFF	ABOVE FINISHED FLOOR
		AHU--*	AIR HANDLING UNIT



1 DEWATERING BUILDING AND ELECTRICAL ROOM HVAC PLAN
SCALE: 1/4" = 1'





J. B. Cobb Engineering, LLC
Mechanical/Industrial
Office: (678) 363-8754
Since 1997
Cell Phone: (404) 403-2126



EDEC
A SALAS O'BRIEN COMPANY

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



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

CITY OF CLEVELAND
WASTEWATER TREATMENT PLANT UPGRADES
DEWATERING BUILDING AND ELECTRICAL ROOM
HVAC PLAN

Drawn: JBC	Design: JBC	Check: JBC	Project No: R2019-111	Scale: AS SHOWN	Date: JULY 2025
------------	-------------	------------	-----------------------	-----------------	-----------------

Sheet No. **H-6**

MSZ-FS06NA & MUZ-FS06NA
6,000 BTU/H DELUXE WALL-MOUNTED INDOOR UNIT
6,000 BTU/H HYPER-HEATING OUTDOOR UNIT



Job Name: _____
System Reference: _____

Date: _____


Indoor Unit _____ MSZ-FS06NA


Outdoor Unit _____ MUZ-FS06NA



- INDOOR UNIT FEATURES
- Slim wall-mounted indoor units provide zone comfort control
 - Dual Barrier Coating applied to the heat exchanger, vanes and fan to prevent hydrophilic and hydrophobic dirt build-up
 - Multiple fan speed options: Quiet, Low, Medium, High, Super-high, Auto
 - 3D i-see Sensor[®] enables advance features:
 - Indirect or Direct Airflow for personalized comfort
 - Absence Detection for energy-saving mode
 - Double Vane features:
 - Separates airflow to deliver air across a large area
 - Simultaneously deliver to air separate sections of a room
 - Generates more comfortable natural airflow pattern
 - Multiple control options available:
 - Back-lit screen handheld remote controller (provided with unit)
 - kumo cloud[®] smart device app for remote access
 - Third party interface options
 - Wired or wireless controllers
 - Triple-action Filtration: Nano Platinum Filter, Deodorizing Filter, & Electrostatic Anti-Allergy Enzyme Filter
 - Hot-Start Technology: no cold air rush at equipment startup or when restarting after Defrost Cycle
 - Quiet operation
- OUTDOOR UNIT FEATURES
- INVERTER-driven compressor and LEV provide high efficiency and comfort while using only the energy needed to maintain maximum performance
 - H2i plus[™] performance offers 100% heating capacity at -5° and 70% to 81% heating capacity at -13° F
 - Blue Fin anti-corrosion treatment applied to the outdoor unit heat exchanger for increased coil protection and longer life

Specifications are subject to change without notice. © 2023 Mitsubishi Electric Trane HVAC US LLC. All rights reserved.

OUTDOOR UNIT ACCESSORIES: MUZ-FS06NA		
Control/Service Tool	M- & P-Series Maintenance Tool Cable Set	☐ M21EC0397
Utility Socket	USB/UART Conversion Cable (Required for all laptop connection)	☐ M21EC1097
Hail Guards	UL954RT Conversion Cable (Required for all laptop connection)	☐ M21EC1097
Mini-Split Wire	14 Gauge, 4 wire MiniSplit Cable—250 ft. roll	☐ H5-94
	14 Gauge, 4 wire MiniSplit Cable—50 ft. roll	☐ S144-280
	16 Gauge, 4 wire MiniSplit Cable—250 ft. roll	☐ S144-50
	16 Gauge, 4 wire MiniSplit Cable—50 ft. roll	☐ S154-280
	16 Gauge, 4 wire MiniSplit Cable—50 ft. roll	☐ S154-50
Mounting Pad	Condensing Unit Mounting Pad, 18" x 30" x 3"	☐ ULTRILITE1
Optional Defrost Heater	Outdoor Unit 3-1/8 inch Mounting Base (Pair)—Plastic	☐ DSD-400P
	18" Single Fan Stand	☐ QSM4080AU
	24" Single Fan Stand	☐ QSM4080M
Stand	Condenser Wall Bracket—Stainless Steel Finish	☐ QSM42401M
	Condenser Wall Bracket—Stainless Steel Finish	☐ QSM42401M
	Outdoor Unit Stand—12" High	☐ QSM42401M

Specifications are subject to change without notice. © 2023 Mitsubishi Electric Trane HVAC US LLC. All rights reserved.

SPECIFICATIONS: MSZ-FS06NA & MUZ-FS06NA		
Cooling at 95°F	HPMU 11-1	HPOU 11-1
	Maximum Capacity	BTU/H 6,000
	Rated Capacity	BTU/H 6,000
	Minimum Capacity	BTU/H 1,700
	Maximum Power Input	W 560
	Rated Power Input	W 310
	Maximum Power Input	W 6.2
	Minimum Power Input	W 0.98
	Power Factor [200V / 230V]	% 79.0 / 80.0
	Maximum Capacity	BTU/H 14,000
Heating at 47°F	HPMU 11-1	HPOU 11-1
	Maximum Capacity	BTU/H 6,000
	Rated Capacity	BTU/H 6,000
	Minimum Capacity	BTU/H 1,800
	Maximum Power Input	W 1,270
	Rated Power Input	W 545
	Power Factor [200V / 230V]	% 80.0 / 81.0
	Maximum Capacity	BTU/H 15,800
	Rated Capacity	BTU/H 15,800
	Minimum Capacity	BTU/H 1,800
Heating at 17°F	HPMU 11-1	HPOU 11-1
	Maximum Capacity	BTU/H 6,000
	Rated Capacity	BTU/H 6,000
	Minimum Capacity	BTU/H 1,800
	Maximum Power Input	W 1,400
	Rated Power Input	W 390
	Power Factor [200V / 230V]	% 80.0 / 81.0
	Maximum Capacity	BTU/H 15,800
	Rated Capacity	BTU/H 15,800
	Minimum Capacity	BTU/H 1,800
Heating at 5°F	HPMU 11-1	HPOU 11-1
	Maximum Capacity	BTU/H 6,000
	Rated Capacity	BTU/H 6,000
	Minimum Capacity	BTU/H 1,800
	Maximum Power Input	W 1,400
	Rated Power Input	W 390
	Power Factor [200V / 230V]	% 80.0 / 81.0
	Maximum Capacity	BTU/H 15,800
	Rated Capacity	BTU/H 15,800
	Minimum Capacity	BTU/H 1,800
Heating at -13°F	HPMU 11-1	HPOU 11-1
	Maximum Capacity	BTU/H 6,000
	Rated Capacity	BTU/H 6,000
	Minimum Capacity	BTU/H 1,800
	Maximum Power Input	W 1,400
	Rated Power Input	W 390
	Power Factor [200V / 230V]	% 80.0 / 81.0
	Maximum Capacity	BTU/H 15,800
	Rated Capacity	BTU/H 15,800
	Minimum Capacity	BTU/H 1,800
Efficiency	HPMU 11-1	HPOU 11-1
	SEER2	13.0
	HSPF2 [H]	11.9
	COP at 47°F	4.68
	COP at 47°F at Maximum Capacity	4.68
	COP at 5°F	2.46
	COP at 5°F at Maximum Capacity	2.46
	COP at -13°F	1.63
	COP at -13°F at Maximum Capacity	1.63
	ENERGY STAR [®] Certified	Yes
Electrical	HPMU 11-1	HPOU 11-1
	Voltage, Phase, Frequency	208/230, 1, 60
	Guaranteed Voltage Range	V AC 187 - 253
	Voltage: Indoor - Outdoor, 51-52	V AC 208/230
	Voltage: Indoor - Outdoor, 50-53	V DC 24
	Short-circuit Current Rating (SCCR)	5A
	Recommended Fuse/Overcurrent Size (Outdoor)	15
	Recommended Wire Size (Indoor - Outdoor)	AWG 14
	Power Supply	Indoor unit is powered by the outdoor unit
	MCA	1.0
Indoor Unit	HPMU 11-1	HPOU 11-1
	Fan Motor Type	DC Motor
	Airflow Rate at Cooling, Dry	CFM 137-167-251-304-381
	Airflow Rate at Cooling, Wet	CFM 117-143-201-261-328
	Airflow Rate at Heating, Dry	CFM 140-167-251-304-377
	Airflow Rate at Heating, Wet	CFM 120-146-201-261-328
	Sound Pressure Level (Cooling)	dBA 20-23-25-30-40
	Sound Pressure Level (Heating)	dBA 20-23-25-30-40
	Drain Pipe Size	In. [mm] 5/8 [15.88]
	Coating on Heat Exchanger	Dual Barrier Coating
Outdoor Unit Operating Temperature Range	HPMU 11-1	HPOU 11-1
	Maximum Capacity	BTU/H 6,000
	Rated Capacity	BTU/H 6,000
	Minimum Capacity	BTU/H 1,800
	Maximum Power Input	W 1,270
	Rated Power Input	W 545
	Power Factor [200V / 230V]	% 80.0 / 81.0
	Maximum Capacity	BTU/H 15,800
	Rated Capacity	BTU/H 15,800
	Minimum Capacity	BTU/H 1,800
NOTES	HPMU 11-1	HPOU 11-1
	(All data is determined at a fixed compressor speed)	
	(Cooling Indoor / Outdoor)	°F 80 DB, 67 WB / 95 DB, 75 WB
	(Heating at 47°F Indoor / Outdoor)	°F 70 DB, 60 WB / 47 DB, 45 WB
	(Heating at 17°F Indoor / Outdoor)	°F 70 DB, 60 WB / 17 DB, 15 WB
	(Heating at 5°F Indoor / Outdoor)	°F 70 DB, 60 WB / 5 DB, 4 WB
	(Heating at -13°F Indoor / Outdoor)	°F 70 DB, 60 WB / -13 DB, -14 WB
	(Heating at 5°F Indoor / Outdoor)	°F 70 DB, 60 WB / 5 DB, 4 WB
	(Heating at -13°F Indoor / Outdoor)	°F 70 DB, 60 WB / -13 DB, -14 WB
	(Heating at 5°F Indoor / Outdoor)	°F 70 DB, 60 WB / 5 DB, 4 WB
Conditions	HPMU 11-1	HPOU 11-1
	(Cooling Indoor / Outdoor)	°F 80 DB, 67 WB / 95 DB, 75 WB
	(Heating at 47°F Indoor / Outdoor)	°F 70 DB, 60 WB / 47 DB, 45 WB
	(Heating at 17°F Indoor / Outdoor)	°F 70 DB, 60 WB / 17 DB, 15 WB
	(Heating at 5°F Indoor / Outdoor)	°F 70 DB, 60 WB / 5 DB, 4 WB
	(Heating at -13°F Indoor / Outdoor)	°F 70 DB, 60 WB / -13 DB, -14 WB
	(Heating at 5°F Indoor / Outdoor)	°F 70 DB, 60 WB / 5 DB, 4 WB
	(Heating at -13°F Indoor / Outdoor)	°F 70 DB, 60 WB / -13 DB, -14 WB
	(Heating at 5°F Indoor / Outdoor)	°F 70 DB, 60 WB / 5 DB, 4 WB
	(Heating at -13°F Indoor / Outdoor)	°F 70 DB, 60 WB / -13 DB, -14 WB
*Outdoor Unit Operating Temperature Range (Cooling Thermal Lock-out / Re-start Temperatures; Heating Thermal Lock-out / Re-start Temperatures)	HPMU 11-1	HPOU 11-1
	(Cooling Thermal Lock-out / Re-start Temperatures)	°F 80 DB, 67 WB / 95 DB, 75 WB
	(Heating Thermal Lock-out / Re-start Temperatures)	°F 70 DB, 60 WB / 47 DB, 45 WB
	(Heating Thermal Lock-out / Re-start Temperatures)	°F 70 DB, 60 WB / 17 DB, 15 WB
	(Heating Thermal Lock-out / Re-start Temperatures)	°F 70 DB, 60 WB / 5 DB, 4 WB
	(Heating Thermal Lock-out / Re-start Temperatures)	°F 70 DB, 60 WB / -13 DB, -14 WB
	(Heating Thermal Lock-out / Re-start Temperatures)	°F 70 DB, 60 WB / 5 DB, 4 WB
	(Heating Thermal Lock-out / Re-start Temperatures)	°F 70 DB, 60 WB / -13 DB, -14 WB
	(Heating Thermal Lock-out / Re-start Temperatures)	°F 70 DB, 60 WB / 5 DB, 4 WB
	(Heating Thermal Lock-out / Re-start Temperatures)	°F 70 DB, 60 WB / -13 DB, -14 WB
**System cuts out in heating mode to avoid thermostat error and automatically restarts at these temperatures.	HPMU 11-1	HPOU 11-1
	(Cooling Thermal Lock-out / Re-start Temperatures)	°F 80 DB, 67 WB / 95 DB, 75 WB
	(Heating Thermal Lock-out / Re-start Temperatures)	°F 70 DB, 60 WB / 47 DB, 45 WB
	(Heating Thermal Lock-out / Re-start Temperatures)	°F 70 DB, 60 WB / 17 DB, 15 WB
	(Heating Thermal Lock-out / Re-start Temperatures)	°F 70 DB, 60 WB / 5 DB, 4 WB
	(Heating Thermal Lock-out / Re-start Temperatures)	°F 70 DB, 60 WB / -13 DB, -14 WB
	(Heating Thermal Lock-out / Re-start Temperatures)	°F 70 DB, 60 WB / 5 DB, 4 WB
	(Heating Thermal Lock-out / Re-start Temperatures)	°F 70 DB, 60 WB / -13 DB, -14 WB
	(Heating Thermal Lock-out / Re-start Temperatures)	°F 70 DB, 60 WB / 5 DB, 4 WB
	(Heating Thermal Lock-out / Re-start Temperatures)	°F 70 DB, 60 WB / -13 DB, -14 WB

Specifications are subject to change without notice. © 2023 Mitsubishi Electric Trane HVAC US LLC. All rights reserved.

SPECIFICATIONS: MSZ-FS06NA & MUZ-FS06NA				
Cooling at 95°F	HPMU 11-1	HPOU 11-1		
	Maximum Capacity	BTU/H 6,000		
	Rated Capacity	BTU/H 6,000		
	Minimum Capacity	BTU/H 1,700		
	Maximum Power Input	W 560		
	Rated Power Input	W 310		
	Power Factor [200V / 230V]	% 79.0 / 80.0		
	Maximum Capacity	BTU/H 14,000		
	Rated Capacity	BTU/H 14,000		
	Minimum Capacity	BTU/H 1,800		
Heating at 47°F	HPMU 11-1	HPOU 11-1		
	Maximum Capacity	BTU/H 6,000		
	Rated Capacity	BTU/H 6,000		
	Minimum Capacity	BTU/H 1,800		
	Maximum Power Input	W 1,270		
	Rated Power Input	W 545		
	Power Factor [200V / 230V]	% 80.0 / 81.0		
	Maximum Capacity	BTU/H 15,800		
	Rated Capacity	BTU/H 15,800		
	Minimum Capacity	BTU/H 1,800		
Heating at 17°F	HPMU 11-1	HPOU 11-1		
	Maximum Capacity	BTU/H 6,000		
	Rated Capacity	BTU/H 6,000		
	Minimum Capacity	BTU/H 1,800		
	Maximum Power Input	W 1,400		
	Rated Power Input	W 390		
	Power Factor [200V / 230V]	% 80.0 / 81.0		
	Maximum Capacity	BTU/H 15,800		
	Rated Capacity	BTU/H 15,800		
	Minimum Capacity	BTU/H 1,800		
Heating at 5°F	HPMU 11-1	HPOU 11-1		
	Maximum Capacity	BTU/H 6,000		
	Rated Capacity	BTU/H 6,000		
	Minimum Capacity	BTU/H 1,800		
	Maximum Power Input	W 1,400		
	Rated Power Input	W 390		
	Power Factor [200V / 230V]	% 80.0 / 81.0		
	Maximum Capacity	BTU/H 15,800		
	Rated Capacity	BTU/H 15,800		
	Minimum Capacity	BTU/H 1,800		
Heating at -13°F	HPMU 11-1	HPOU 11-1		
	Maximum Capacity	BTU/H 6,000		
	Rated Capacity	BTU/H 6,000		
	Minimum Capacity	BTU/H 1,800		
	Maximum Power Input	W 1,400		
	Rated Power Input	W 390		
	Power Factor [200V / 230V]	% 80.0 / 81.0		
	Maximum Capacity	BTU/H 15,800		
	Rated Capacity	BTU/H 15,800		
	Minimum Capacity	BTU/H 1,800		
Efficiency	HPMU 11-1	HPOU 11-1		
	SEER2	13.0		
	HSPF2 [H]	11.9		
	COP at 47°F	4.68		
	COP at 47°F at Maximum Capacity	4.68		
	COP at 5°F	2.46		
	COP at 5°F at Maximum Capacity	2.46		
	COP at -13°F	1.63		
	COP at -13°F at Maximum Capacity	1.63		
	ENERGY STAR [®] Certified	Yes		
Electrical	HPMU 11-1	HPOU 11-1		
	Voltage, Phase, Frequency	208/230, 1, 60		
	Guaranteed Voltage Range	V AC 187 - 253		
	Voltage: Indoor - Outdoor, 51-52	V AC 208/230		
	Voltage: Indoor - Outdoor, 50-53	V DC 24		
	Short-circuit Current Rating (SCCR)	5A		
	Recommended Fuse/Overcurrent Size (Outdoor)	15		
	Recommended Wire Size (Indoor - Outdoor)	AWG 14		
	Power Supply	Indoor unit is powered by the outdoor unit		
	MCA	1.0		
Indoor Unit	HPMU 11-1	HPOU 11-1		
	Fan Motor Type	DC Motor		
	Airflow Rate at Cooling, Dry	CFM 137-167-251-304-381		
	Airflow Rate at Cooling, Wet	CFM 117-143-201-261-328		
	Airflow Rate at Heating, Dry	CFM 140-167-251-304-377		
	Airflow Rate at Heating, Wet	CFM 120-146-201-261-328		
	Sound Pressure Level (Cooling)	dBA 20-23-25-30-40		
	Sound Pressure Level (Heating)	dBA 20-23-25-30-40		
	Drain Pipe Size	In. [mm] 5/8 [15.88]		
	Coating on Heat Exchanger	Dual Barrier Coating		
Outdoor Unit Operating Temperature Range	HPMU 11-1	HPOU 11-1		
	Maximum Capacity	BTU/H 6,000		
	Rated Capacity	BTU/H 6,000		
	Minimum Capacity	BTU/H 1,800		
	Maximum Power Input	W 1,270		
	Rated Power Input	W 545		
	Power Factor [200V / 230V]	% 80.0 / 81.0		
	Maximum Capacity	BTU/H 15,800		
	Rated Capacity	BTU/H 15,800		
	Minimum Capacity	BTU/H 1,800		
NOTES	HPMU 11-1	HPOU 11-1		
	(All data is determined at a fixed compressor speed)			
	(Cooling Indoor / Outdoor)	°F 80 DB, 67 WB / 95 DB, 75 WB		
	(Heating at 47°F Indoor / Outdoor)	°F 70 DB, 60 WB / 47 DB, 45 WB		
	(Heating at 17°F Indoor / Outdoor)	°F 70 DB, 60 WB / 17 DB, 15 WB		
	(Heating at 5°F Indoor / Outdoor)	°F 70 DB, 60 WB / 5 DB, 4 WB		
	(Heating at -13°F Indoor / Outdoor)	°F 70 DB, 60 WB / -13 DB, -14 WB		
	(Heating at 5°F Indoor / Outdoor)	°F 70 DB, 60 WB / 5 DB, 4 WB		
	(Heating at -13°F Indoor / Outdoor)	°F 70 DB, 60 WB / -13 DB, -14 WB		
	(Heating at 5°F Indoor / Outdoor)	°F 70 DB, 60 WB / 5 DB, 4 WB		
*Outdoor Unit Operating Temperature Range (Cooling Thermal Lock-out / Re-start Temperatures; Heating Thermal Lock-out / Re-start Temperatures)	HPMU 11-1	HPOU 11-1		
	(Cooling Thermal Lock-out / Re-start Temperatures)	°F 80 DB, 67 WB / 95 DB, 75 WB		
	(Heating Thermal Lock-out / Re-start Temperatures)	°F 70 DB, 60 WB / 47 DB, 45 WB		
	(Heating Thermal Lock-out / Re-start Temperatures)	°F 70 DB, 60 WB / 17 DB, 15 WB		
	(Heating Thermal Lock-out / Re-start Temperatures)	°F 70 DB, 60 WB / 5 DB, 4 WB		
	(Heating Thermal Lock-out / Re-start Temperatures)	°F 70 DB, 60 WB / -13 DB, -14 WB		
	(Heating Thermal Lock-out / Re-start Temperatures)	°F 70 DB, 60 WB / 5 DB, 4 WB		
	(Heating Thermal Lock-out / Re-start Temperatures)	°F 70 DB, 60 WB / -13 DB, -14 WB		
	(Heating Thermal Lock-out / Re-start Temperatures)	°F 70 DB, 60 WB / 5 DB, 4 WB		
	(Heating Thermal Lock-out / Re-start Temperatures)	°F 70 DB, 60 WB / -13 DB, -14 WB		
**System cuts out in heating mode to avoid thermostat error and automatically restarts at these temperatures.	HPMU 11-1	HPOU 11-1		
	(Cooling Thermal Lock-out / Re-start Temperatures)	°F 80 DB, 67 WB / 95 DB, 75 WB		
	(Heating Thermal Lock-out / Re-start Temperatures)	°F 70 DB, 60 WB / 47 DB, 45 WB		
	(Heating Thermal Lock-out / Re-start Temperatures)	°F 70 DB, 60 WB / 17 DB, 15 WB		
	(Heating Thermal Lock-out / Re-start Temperatures)	°F 70 DB, 60 WB / 5 DB, 4 WB		
	(Heating Thermal Lock-out / Re-start Temperatures)	°F 70 DB, 60 WB / -13 DB, -14 WB		
	(Heating Thermal Lock-out			

M-SERIES

SUBMITTAL DATA: MSZ-GL24NA
24,000 BTU/H WALL-MOUNTED INDOOR UNIT



Job Name:

Date:

System Reference:

Indoor Unit:
MSZ-GL24NA



Wireless Remote Control



- GENERAL FEATURES**
- Slim wall-mounted indoor units provide zone comfort control
 - The outdoor unit powers the indoor unit, and should a power outage occur, the system is automatically restarted when power returns
 - Multiple fan speed options: Quiet, Low, Medium, High, Super-High, Auto
 - Multiple control options available
 - Hand-held Remote Controller (provided with unit)
 - In-wall display control device (app for remote access)
 - Third-party interface options
 - Wired or wireless controllers
 - Hot-Start Technology: no cold air rush at equipment startup or when restarting after Defrost Cycle
 - Quiet operation
 - Smart Set: recalls a preferred preset temperature setting at the touch of a button

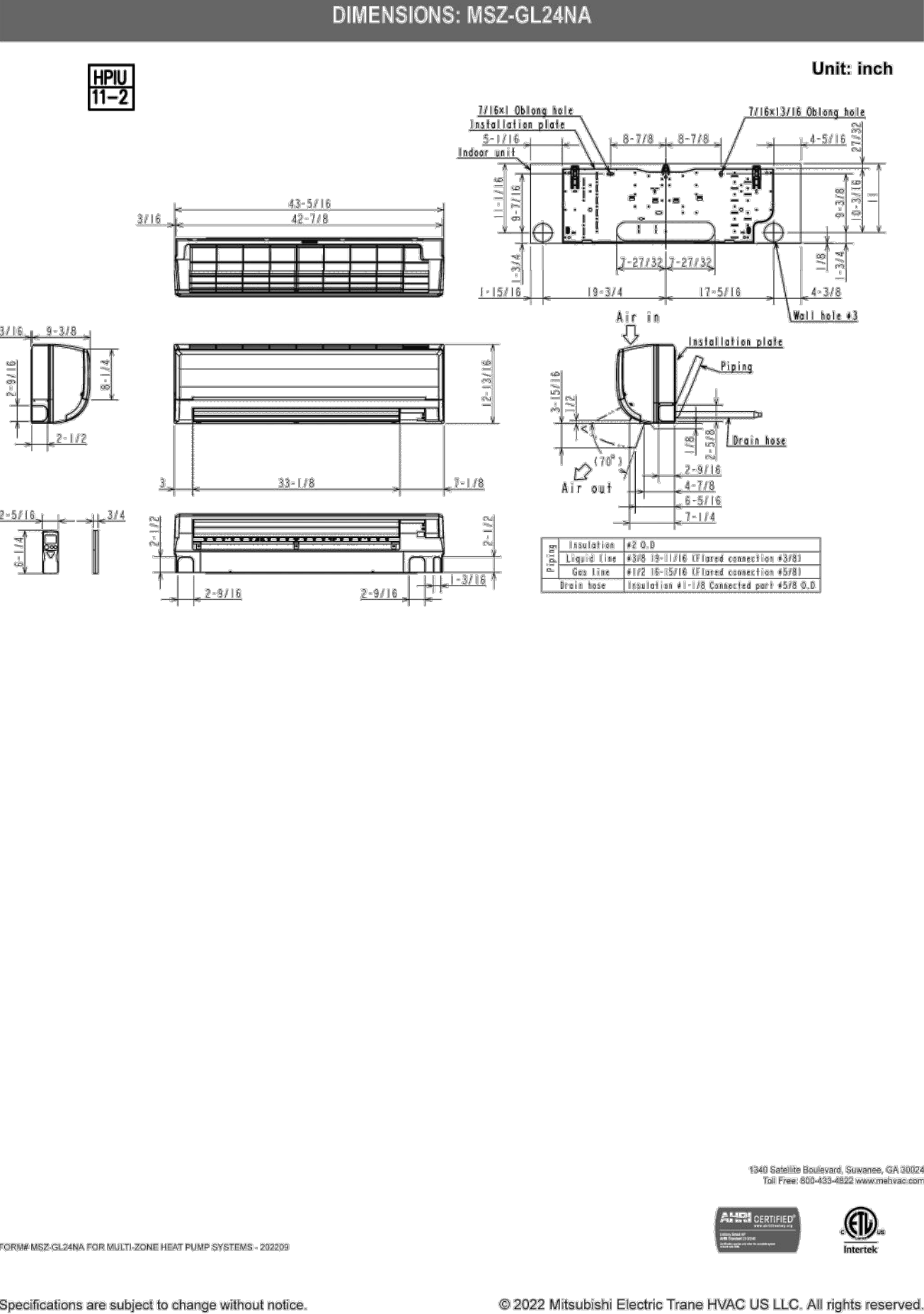
Specifications are subject to change without notice. © 2022 Mitsubishi Electric Trane HVAC US LLC. All rights reserved.

SPECIFICATIONS: MSZ-GL24NA				
Cooling Capacity ¹	BTU/H		22,000	
	BTU/H		27,000	
	Voltage, Phase, Frequency		208/230V 1 phase, 60Hz	
	Guaranteed Voltage Range		V AC 187 - 253	
	Voltage: Indoor - Outdoor, S1-S2		V AC 208 / 230	
Electric	Voltage: Indoor - Outdoor, S2-S3		V DC 24	
	Short-circuit Current Rating (SCCR)		5	
	MCA		A 1	
	Blower Motor Full Load Amperage		A 0.76	
	Blower Motor Output		W 86	
Airflow	Airflow Rate at Cooling, Dry		CFM 738-828-544-469-388	
	Airflow Rate at Cooling, Wet		CFM 661-562-487-420-347	
	Airflow Rate at Heating, Dry		CFM 738-828-544-469-388	
	Sound Pressure Level (Cooling)		dB(A) 82-89-84-81-84	
	Sound Pressure Level (Heating)		dB(A) 80-89-85-81-83	
Drain Pipe Size	In. (mm)		5/8 (15.88)	
	Heat Exchanger Type		Plate fin coil	
	External Finish Color		Munsell L 6Y 8.2/0.2	
Unit Dimensions	W: In. (mm)		43-5/16 (1,100)	
	D: In. (mm)		9-3/8 (238)	
	H: In. (mm)		13-13/16 (335)	
	W: In. (mm)		45-1/2 (1,168)	
	D: In. (mm)		13-3/4 (338)	
Package Dimensions	H: In. (mm)		15-1/2 (390)	
	Lbs. (kg)		37 (17)	
	Lbs. (kg)		42 (19)	
	Type		R410A	
	Gas Pipe Size O.D. (Flare)		In. (mm) 3/8 (9.53)	
Piping	Liquid Pipe Size O.D. (Flare)		In. (mm) 3/8 (9.53)	
	Notes:			
	Nominal Conditions		°F 80 DB, 67 WB / 95 DB, 75 WB	
	Heating at 47°F (Indoor / Outdoor)		°F 70 DB, 65 WB / 47 DB, 43 WB	
	Footnotes			

Specifications are subject to change without notice. © 2022 Mitsubishi Electric Trane HVAC US LLC. All rights reserved.

ACCESSORIES: MSZ-GL24NA	
Anti-Allergy Enzyme Filter	□ MAC-2316P-FE
Remote Access W/ Push-Button Wireless Controller	□ MAW2
DejaVu MA Remote Controller ¹	□ PAC-ADMAU
Simple MA Controller ¹	□ PAC-VT303MAU-J
Touch MA Controller ¹	□ PAC-CT01MAU-SB
Wireless Temperature and Humidity Sensor	□ PAC-USWHM0003-TH-1
System Control Interface ²	□ MAC-304MF-E
Wireless Interface 2	□ PAC-USWHM0003-WF-2
Thermostat Interface	□ PAC-US644CN-1
Thermostat Interface	□ PAC-US644CN-1
kumo station [®] for kumo cloud [®]	□ PAC-VWH01HC-E
USMAP Interface	□ PAC-VWH01UP-E
IT Extender	□ PAC-VWH01UP-E
IRControl [®] and MCBUSUP [®] Interface	□ PAC-UPC01C01-CN-1
Lockdown Bracket for Hand-held Remote Controllers	□ KCBM07CB
Blue Diamond Sensor Extension Cable — 15 Ft.	□ C15-103
Blue Diamond Sensor Extension Cable — 6.5 Ft.	□ C15-102
Blue Diamond MultiTask — collection tank for use with multiple pumps	□ C21-014
Blue Diamond Rubber Foot Pads	□ P10-010
Mini Condensate Pump — 220 volt application	□ B30-030
MegaBlue Advanced Blue Diamond Condensate Pump w/ Reservoir & Sensor	□ XST-825 - 110 to 200V
MaxBlue Advanced Blue Diamond Mini Condensate Pump w/ Reservoir & Sensor (110V) up to 48,000 BTU/H (recommended)	□ XST-711 - 110V
Advanced Blue Diamond Mini Condensate Pump w/ Reservoir & Sensor (208/230V) (recommended)	□ XST-721 - 208/230V
MicroBlue Blue Diamond Mini Condensate Pump (110/208/230V) up to 18,000 BTU/H	□ XBS-003
Fascia Kit for MicroBlue Pump — mounts the MicroBlue and sensor directly between the indoor unit	□ T18-015
Relco Condensate Pump (110-240 VAC) up to 120,000 BTU/H	□ C00M
Relco Condensate Pump (110-240 VAC) up to 120,000 BTU/H	□ C00M-1
Drain Pan Level Sensor	□ S05100
(20460VAC) 1/8" x 2" x 4" utility hole — Black	□ TAC-M0303
(20460VAC) 1/8" x 2" x 4" utility hole — White	□ TAC-M0303W
Flexible Mini-Split Drain Hose	□ DRX-16

Specifications are subject to change without notice. © 2022 Mitsubishi Electric Trane HVAC US LLC. All rights reserved.



Specifications are subject to change without notice. © 2022 Mitsubishi Electric Trane HVAC US LLC. All rights reserved.

MXZ-SM48NAM2
4-TON MULTI-ZONE INVERTER HEAT-PUMP SYSTEM

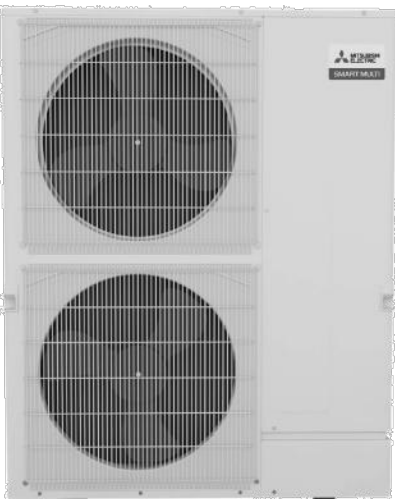


Job Name:

Date:

System Reference:

HPDU 11-2



FEATURES

- Compatible with M- and P-Series and CITY MULTI[®] indoor units. Branch box required for connection with M- and P-Series
- Variable speed INVERTER-driven compressor
- Seacoast protection on heat exchanger and base panel (rated for 2,000 hrs in accordance with ASTM B117 testing)
- Thermal Differential 1°F (with PAC-MKA32/S2BC only)
- Optional base pan heater
- Quiet outdoor unit operation, rated sound pressure as low as 51 dB(A)
- High pressure protection
- Compressor thermal protection
- Compressor overcurrent detection
- Fan motor overheating/voltage protection

Specifications are subject to change without notice. © 2024 Mitsubishi Electric Trane HVAC US LLC. All rights reserved.

SPECIFICATIONS: MXZ-SM48NAM2				
Cooling ¹ (Non-Ducted / M- (Mid-Static) / Ducted (Mid-Static) / M- (High-Static) / Ducted (High-Static))	Maximum Capacity		BTU/H 48,000 / 48,000 / 48,000 / 48,000	
	Rated Capacity		BTU/H 48,000 / 48,000 / 48,000 / 48,000	
	Minimum Capacity		BTU/H 15,000 / 15,000 / 15,000 / 15,000	
	Maximum Power Input		W 3,665 / 4,123 / 4,575 / 4,140 / 4,615	
	Power Factor (230V, 230V)		W 98.5 / 98.5 / 98.5 / 98.5 / 98.5	
Heating at 47°F ² (Non-Ducted / M- (Mid-Static) / Ducted (Mid-Static) / M- (High-Static) / Ducted (High-Static))	Maximum Capacity		BTU/H 48,000 / 48,000 / 48,000 / 48,000	
	Rated Capacity		BTU/H 48,000 / 48,000 / 48,000 / 48,000	
	Minimum Capacity		BTU/H 15,000 / 15,000 / 15,000 / 15,000	
	Maximum Power Input		W 3,665 / 4,123 / 4,575 / 4,140 / 4,615	
	Power Factor (230V, 230V)		W 98.5 / 98.5 / 98.5 / 98.5 / 98.5	
Heating at 17°F ² (Non-Ducted / M- (Mid-Static) / Ducted (Mid-Static) / M- (High-Static) / Ducted (High-Static))	Maximum Capacity		BTU/H 48,000 / 48,000 / 48,000 / 48,000	
	Rated Capacity		BTU/H 48,000 / 48,000 / 48,000 / 48,000	
	Minimum Capacity		BTU/H 15,000 / 15,000 / 15,000 / 15,000	
	Maximum Power Input		W 3,665 / 4,123 / 4,575 / 4,140 / 4,615	
	Power Factor (230V, 230V)		W 98.5 / 98.5 / 98.5 / 98.5 / 98.5	
Heating at 9°F ² (Non-Ducted / M- (Mid-Static) / Ducted (Mid-Static) / M- (High-Static) / Ducted (High-Static))	Maximum Capacity		BTU/H 48,000 / 48,000 / 48,000 / 48,000	
	Rated Capacity		BTU/H 48,000 / 48,000 / 48,000 / 48,000	
	Minimum Capacity		BTU/H 15,000 / 15,000 / 15,000 / 15,000	
	Maximum Power Input		W 3,665 / 4,123 / 4,575 / 4,140 / 4,615	
	Power Factor (230V, 230V)		W 98.5 / 98.5 / 98.5 / 98.5 / 98.5	
Efficiency (Non-Ducted / M- (Mid-Static) / Ducted (Mid-Static) / M- (High-Static) / Ducted (High-Static))	SEER2		13.1 / 13.1 / 13.1 / 13.1 / 13.1	
	HSPF2 (H)		8.0 / 8.0 / 8.0 / 8.0 / 8.0	
	COP at 47°F ²		4.0 / 4.0 / 4.0 / 4.0 / 4.0	
	COP at 17°F ² at Maximum Capacity ³		2.2 / 2.2 / 2.2 / 2.2 / 2.2	
	COP at 9°F ² at Maximum Capacity ³		2.2 / 2.2 / 2.2 / 2.2 / 2.2	
Electrical	Voltage, Phase, Frequency		208/230V 1, 60	
	Guaranteed Voltage Range		V AC 187 - 253	
	Voltage: Indoor - Outdoor, S1-S2		V AC 208 / 230	
	Voltage: Indoor - Outdoor, S2-S3		V DC 24	
	Short-circuit Current Rating (SCCR)		A 5	
Piping	Recommended Fused Breaker Size at Branch Box Powered by Outdoor Unit		A 40	
	Recommended Fused Breaker Size at Branch Box or Branch Box Powered Separate		A 30	
	Recommended Wire Size (Indoor - Outdoor) without Branch Box at Branch Box Powered Separate		AWG 8	
	Recommended Wire Size (Indoor - Outdoor) without Branch Box at Branch Box Powered Separate		AWG 10	
	NACIA Branch Box Powered by Outdoor Unit		A 42.0	
Notes	NACIP Branch Box Powered by Outdoor Unit		A 70	
	NACIA without Branch Box or Branch Box Powered Separate		A 30	
	NACIP without Branch Box or Branch Box Powered Separate		A 30	
	Fan Motor Full Load Amperage		A 0.4	
	Fan Motor Full Load Amperage		A 0.4	

Specifications are subject to change without notice. © 2024 Mitsubishi Electric Trane HVAC US LLC. All rights reserved.

SPECIFICATIONS: MXZ-SM48NAM2	
Outdoor unit	Outdoor unit operating temperature range
	Refrigerant
	Indoor unit connection
	Piping
	Notes

Specifications are subject to change without notice. © 2024 Mitsubishi Electric Trane HVAC US LLC. All rights reserved.

OUTDOOR UNIT ACCESSORIES: MXZ-SM48NAM2	
Air Deflector	Vertical Air Deflector
	Refrigerant Control
	Defrost Method
	Heat Exchanger Type
	Heat Exchanger Coating
Ball Valve	Sound Pressure Level (Cooling)
	Sound Pressure Level (Heating)
	Compressor Type
	Compressor Model
	Compressor Motor Output
Branch Box	Compressor Rated Load Amps
	Compressor Locked Rotor Amps
	Compressor Oil Type / Charge
	Base Pan Heater
	Unit Dimensions
Centralized Drain Pan	Dr. In. (mm)
	W. In. (mm)
	H. In. (mm)
	D. In. (mm)
	H. In. (mm)
Control Wire	Package Dimensions
	Unit Weight
	Package Weight
	Cooling Static Air Temp. (Minimum / Maximum)
	Cooling Thermal Lock-out / Re-start Temperature
Distribution pipe	Heating Static Air Temp. (Minimum / Maximum)
	Heating Thermal Lock-out / Re-start Temperature
	Pre-Charged Refrigerant Amount
	Maximum Number of Connected ODU with Branch Box
	Maximum Number of Connected ODU without Branch Box
Drain Socket	Minimum Connected Capacity with Branch Box
	Maximum Connected Capacity without Branch Box
	Maximum corrected capacity
	Liquid Pipe Size O.D. (Flare)
	Gas Pipe Size O.D. (Flare)
Drain Socket	Recommended Fused Breaker Size at Branch Box Powered by Outdoor Unit
	Recommended Fused Breaker Size at Branch Box or Branch Box Powered Separate
	Recommended Wire Size (Indoor - Outdoor) without Branch Box at Branch Box Powered Separate
	Recommended Wire Size (Indoor - Outdoor) without Branch Box at Branch Box Powered Separate
	NACIA Branch Box Powered by Outdoor Unit
Drain Socket	NACIP Branch Box Powered by Outdoor Unit
	NACIA without Branch Box or Branch Box Powered Separate
	NACIP without Branch Box or Branch Box Powered Separate
	Fan Motor Full Load Amperage
	Fan Motor Full Load Amperage

Specifications are subject to change without notice. © 2024 Mitsubishi Electric Trane HVAC US LLC. All rights reserved.

J. B. Cobb Engineering, LLC
Mechanical/Industrial
Office: (678) 363-8754
Cell Phone: (404) 403-2126

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

REGISTERED
PROFESSIONAL
ENGINEER
JAY BARTLEY COBB

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

RINQ
ENGINEERING + ENVIRONMENTAL

CITY OF CLEVELAND
WASTEWATER TREATMENT PLANT UPGRADES
DEWATERING BUILDING AND ELECTRICAL ROOM
HVAC SPECIFICATIONS

Drawn: JBC
Design: JBC
Checked: JBC
Project No: R2019-111
Scale: AS SHOWN
Date: JULY 2025

Sheet No.
H-9