

City of Oakley
ADDENDUM NO. 1 to contract documents for
CIP 255 – Cypress Grove Pump Station Project

BID OPENING DATE: October 6, 2022 2:00 PM

Notice is hereby given that the following clarifications and revisions are made to the above referenced contract documents:

Updates to the Plans and Specifications:

Mandatory Pre-Bid Meeting Sign-in sheet (Attached)

Technical specifications Part 1 (attached)

Plan Sheet Updates (Attached)

All bidders shall acknowledge receipt and acceptance of Addendum No. 1 by signing in the space provided at the end of this Addendum and submitting the signed addendum with their proposal.



Jason Kabalin
Capital Projects Engineer
September 30, 2022

Contractor Signature

Date

Company Name

CIP 255 – Mandatory Pre-Bid Attendance List
September 21, 2022, 10:00am

Name	Agency or Firm	Phone #	E-Mail
Jason Kabelein	City of Oakley	925-625-7040	Kabelein@ci.oakley.ca.us
Kevin Rohani	City of Oakley	925-625-7003	Rohani@ci.oakley.ca.us
Nick Duran	City of Oakley	408-420-1462	Duran@ci.oakley.ca.us
David Drouty	Caivo Builder Inc.	707-328-0527	David@Caivobuilderinc.com
Austin Reich	Pacific Infrastructure	(925) 249-0011	estimating@pac-infra.com
Erick Carrero	Valentine Corp	(415) 453-3732	cwalsh@valentinecorp.com
JASON JEZELL	PACE	(714) 514-8813	jezell@pacewater.com
Dave McNabb	McNabb Construction	925 935 4200	dave.mcnabb@hofmarl.com
CHRIS MALLOY	WATER WORKS IND.	707 837 7900	AMLOY@WATERWORKSINDUSTRIES.COM

**SECTION 01 1100
SUMMARY OF WORK**

PART 1 – GENERAL

1.01 THE REQUIREMENT

- A. The WORK to be performed under this Contract shall consist of furnishing parts, tools, equipment, materials, supplies, and manufactured articles, and furnishing all labor, transportation and services, including fuel, power, water, essential communications, and performing all work or other operations required for the fulfillment of the Contract in strict accordance with the Contract Documents. The WORK shall require that all work, materials, and services not expressly indicated or called for in the Contract Documents, which may be necessary for the complete and proper construction of the WORK in good faith shall be provided.
- B. The WORK will conform to the Contra Costa County Standard Plans and Details.

1.02 WORK COVERED BY CONTRACT DOCUMENTS

- A. The WORK of this Contract comprises the renovation and construction of the existing Cypress Grove Stormwater Pump Station. The specific tasks include, but are not limited to the following:
 - 1. Site demolition as indicated on the plans.
 - 2. Construction of a new driveway, sidewalk and civil improvements pump station site, including grading, paving, and any necessary site grading work.
 - 3. Construction of a new roof system, doors, fans, drain system, and mechanical components for the pump station.
 - 4. Construction of the specified yard piping for the pump station.
 - 5. Furnish and install the lake aeration equipment components including compressor and diffusers and weighted aeration hose.
 - 6. Furnish and install the new irrigation hydropneumatic tank
 - 7. Furnish and install new air release valves
 - 8. Furnish and install new process pipes, valves, associated fittings, and accessories
 - 9. Furnish and install new electrical panels, equipment, and components for the operation of the lake pump station
 - 10. Furnish and install field instrumentation and controls equipment, including control wiring, testing, and calibration of equipment
 - 11. Remove and repair existing pumps
 - 12. All other work described on the plans
 - 13. Construct new trench drain around pump area as described in the plans
 - 14. Remove yard sprinkler system
 - 15. Building renovations including scarify interior stucco, scarify and paint existing mechanical piping and equipment
- B. The WORK includes obtaining any permits related to or required by the Contract.

1.03 WORK BY OTHERS

- A. Where two (2) or more Contracts are being performed at one time on the same site or adjacent land in such manner that work under one (1) Contract may interfere with work under another, the sequence and order of the WORK in either or both Contracts to the agreement of both contracting entities shall be determined. When the Site of one (1) Contract is the necessary or convenient means of access for the performance of work under another, the privilege of access or other reasonable privileges to the CONTRACTOR so desiring may be granted, to the extent, amount, and in the manner and at a time that shall be determined. Conduct its operations to cause a

minimum of interference with the work of such other contractors, and shall cooperate fully with such contractors to allow continued safe access to their respective portions of the Site, as required to perform work under their respective contracts.

- B. Interference with Work on Utilities: Cooperate fully with all utility forces or forces of other public or private agencies engaged in the relocation, altering, or otherwise rearranging of any facilities, which interfere with the progress of the WORK, and shall schedule the WORK to minimize interference with said relocation, altering or other rearranging of facilities. Any delays, reduction in work efficiency, or hardships incurred shall be identified and resolved to the satisfaction of both parties.

1.04 USE OF SITE

- A. Use of the Site shall be limited to its construction operations, including on-site storage of materials, on-site fabrication facilities, and field offices.
- B. All or part of the existing site may be utilized during the entire period of construction for the conduct of normal construction operations. CONTRACTOR shall cooperate and coordinate to facilitate construction and to minimize interference with the ongoing process operations. Process tie-ins or any connections to the existing system shall not occur without permission from the CITY and the OWNER. The CITY and OWNER shall be notified as least one week prior to any process tie-ins or connection to the existing system.

PART 2 – PRODUCTS (NOT USED)

PART 3 – EXECUTION (NOT USED)

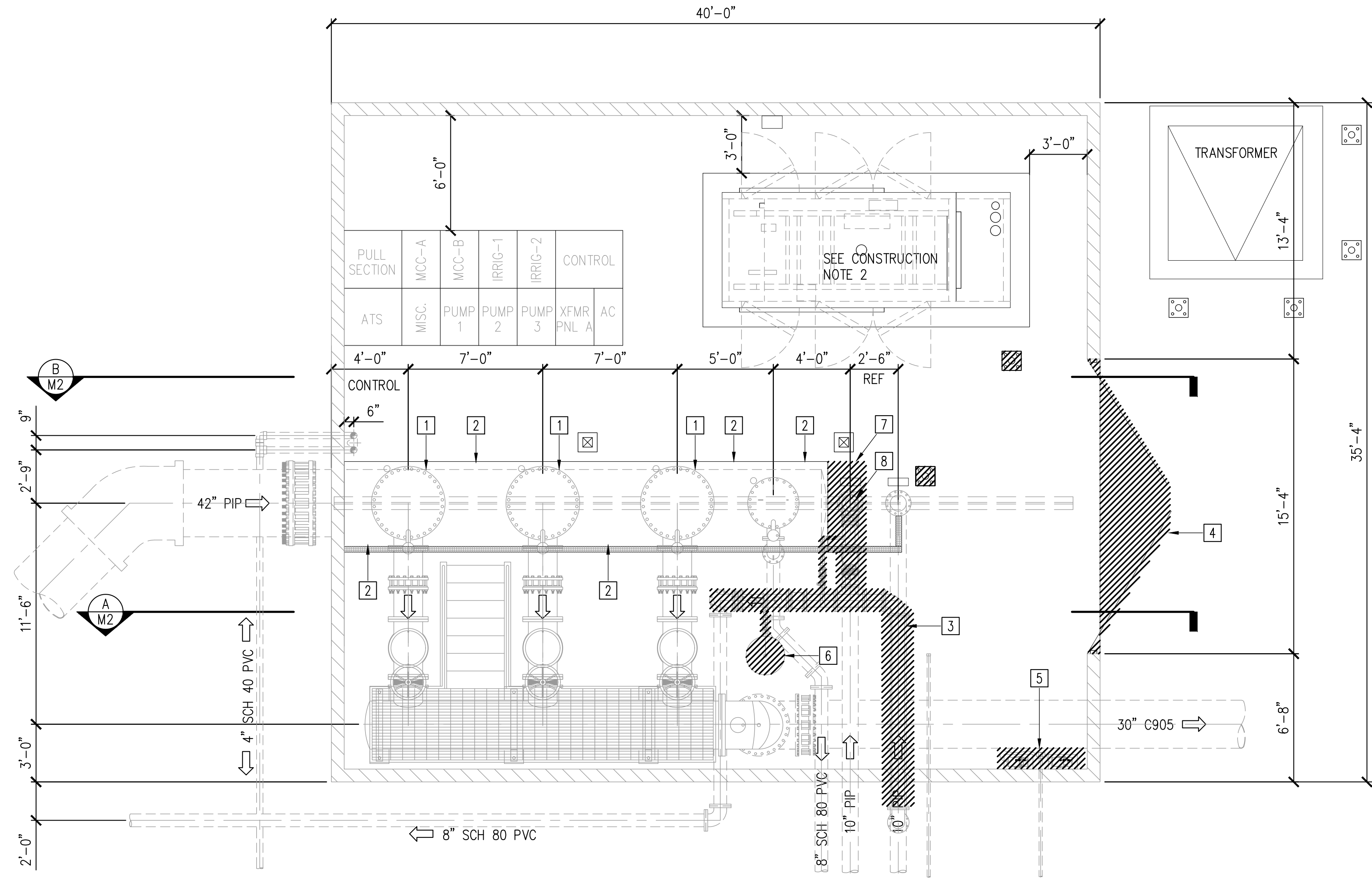
END OF SECTION

DEMO/CONSTRUCTION NOTES:

- 1 REMOVE EXISTING PUMP AND SERVICE TO AS-NEW CONDITION.
- 2 REMOVE ALL GRAVEL AND SOIL WITHIN THIS AREA DOWN TO A DEPTH OF 24" BELOW FINISHED GRADE ON EAST EDGE, 18" BELOW FINISHED GRADE ON WEST EDGE.
- 3 REMOVE EXISTING MECHANICAL PIPING, VALVES AND INSTRUMENTS
- 4 REMOVE EXISTING GATE
- 5 REMOVE EXISTING AIR COMPRESSORS
- 6 REMOVE EXISTING BLADDER TANKS
- 7 DEMO CONCRETE SLAB WITHIN THE HATCHED AREA. EXCAVATE ALL SOIL/GRAVEL WITHIN THIS AREA DOWN TO A DEPTH OF 24" BELOW FINISHED GRADE.
- 8 CUT VERTICAL PORTION OF 6" PIPE DOWN TO A DEPTH OF ±12" BELOW FINISHED GRADE.

DEMOLITION NOTES:

1. CONTRACTOR SHALL CLEAN & SCARIFY ALL MECHANICAL EQUIPMENT AND PIPING INCLUDING GENERATOR. PIPING SHALL BE PAINTED AND COATED PER SPECS TO MATCH EXISTING
2. CONTRACTOR SHALL REMOVE EXISTING STUCCO INTERIOR THROUGHOUT THE ENTIRE BUILDING.
3. CONTRACTOR SHALL SCARIFY INTERIOR OF BUILDING.
4. CONTRACTOR SHALL REMOVE EXISTING YARD SPRINKLER SYSTEM ON THE EAST, NORTH, AND NORTH-EAST SIDE OF THE BUILDING.
5. CONTRACTOR SHALL REMOVE ALL 12 EXISTING LAKE AERATORS AND REPLACE WITH NEW KASCO AIR DIFFUSERS AT ITS SAME LOCATIONS.



MECHANICAL PLAN - TANK + BASIN

1/4" = 1'-0"



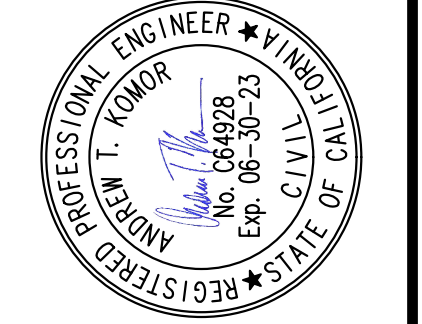
ISSUED FOR BID

**CYPRESS GROVE
STORM WATER PUMP
STATION UPGRADES**

PREPARED BY
ANDREW T. KOMOR
PROJECT ENGINEER
R.C.E. NO. — # C 64928
EXP. 6/30/23

DRAWN
SCALE 1/4" = 1'

DESIGNED
CHECKED
DATE AUGUST 2022



DEMOLITION PLAN

NO.	BY	DATE	REVISIONS	DATE	APP.
1					
2					
3					
4					
5					
6					
7					
8					

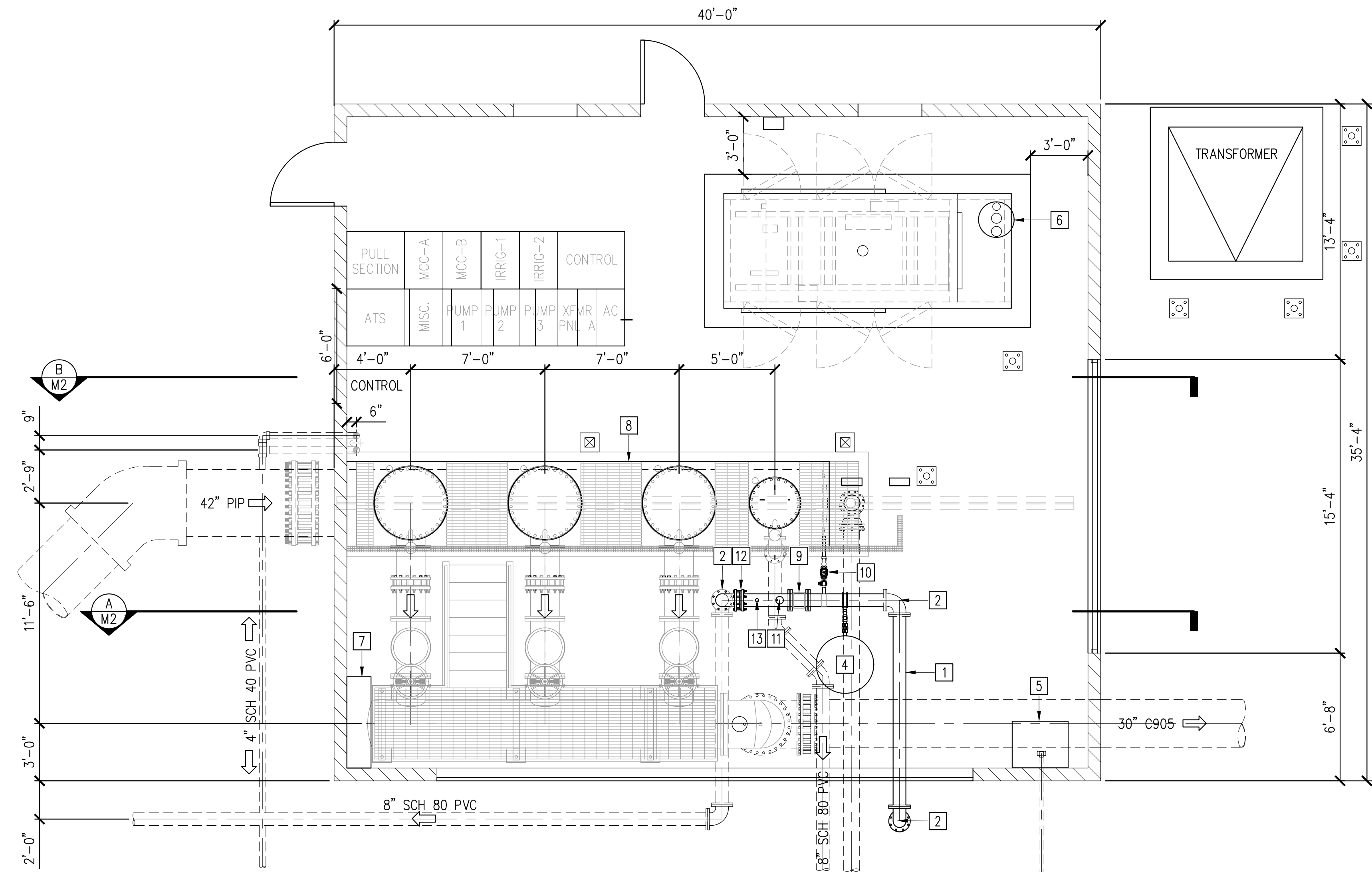
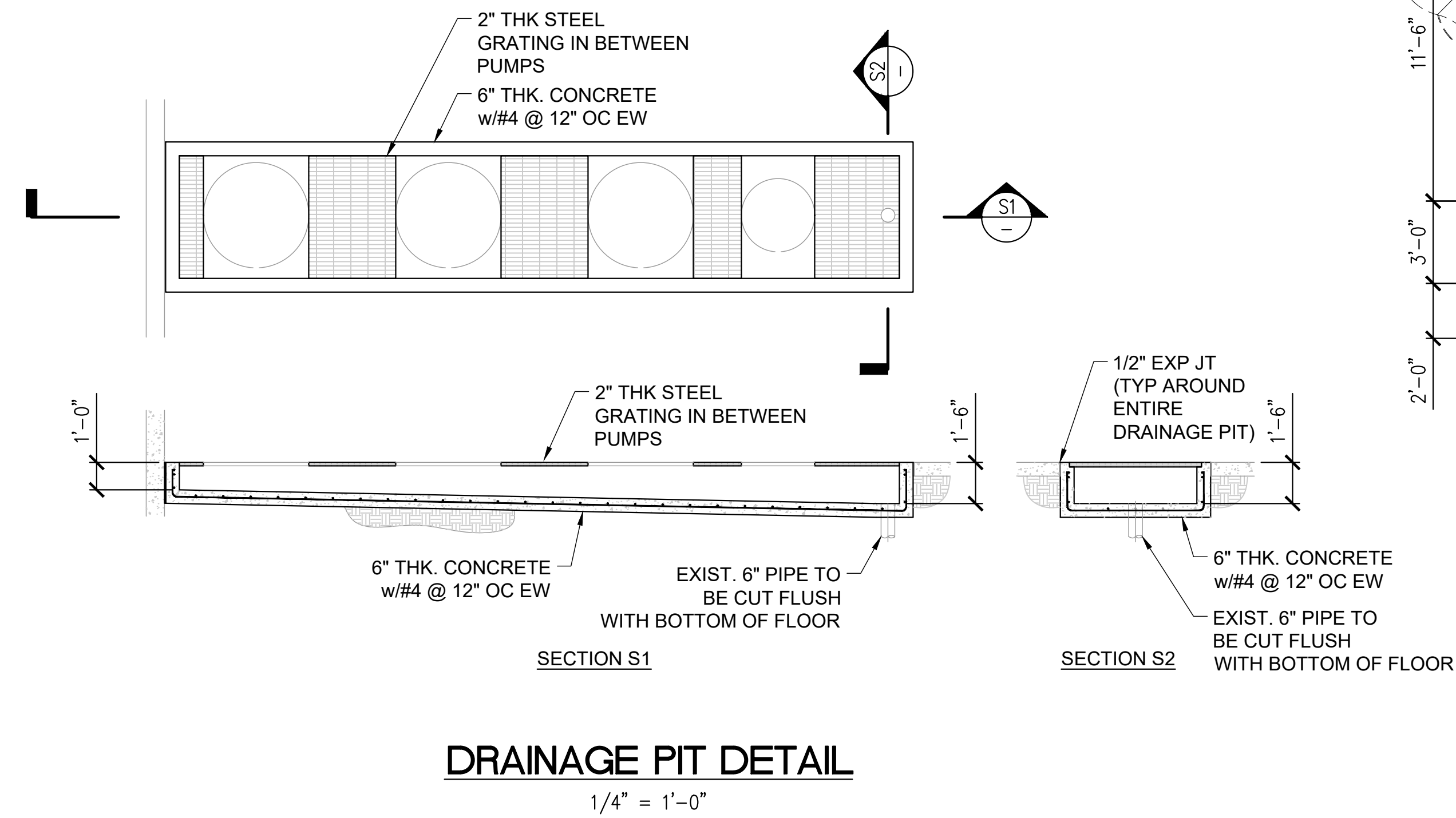
SHEET
D1
3 OF 25 SHEETS
JOB NO. 8138-E

CONSTRUCTION NOTES:

- 1 INSTALL NEW 8" DUCTILE IRON PIPE.
- 2 INSTALL NEW 8" DUCTILE IRON 90° ELBOW.
- 3 INSTALL NEW 8" DUCTILE IRON TEE.
- 4 INSTALL NEW 36" Ø BLADDER TANK W. PRESS GAUGE, 2" CONNECT AND SHUT OFF VALVE
- 5 INSTALL NEW KAESER AIR COMPRESSOR.
- 6 INSTALL NEW THERMAL VENTING WITH MUSHROOM CAP.
- 7 INSTALL NEW HMI PER ELECTRICAL SHEETS.
- 8 INSTALL NEW CONCRETE DRAINAGE PIT PER DETAIL BELOW.
- 9 INSTALL NEW 8" FLOW METER AND TRANSMITTER. MATCH EXISTING
- 10 INSTALL NEW 2" PRESSURE RELIEF VALVE TO TRENCH DRAIN. MATCH EXISTING
- 11 INSTALL NEW 2" AIR RELEASE VALVE
- 12 INSTALL NEW 8" RFCA
- 13 INSTALL NEW PRESSURE TRANSMITTER PER SPECS

NOTES:

1. CONTRACTOR SHALL INSTALL NEW PAINT AND PRIMER THROUGHOUT TALL MECHANICAL EQUIPMENT AND PIPING.
2. ALL DIP SHALL BE PAINTED AND COATED PER SPEC



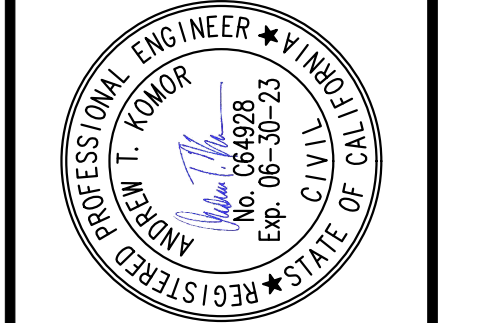
MECHANICAL PLAN

1/4" = 1'-0"



NO.	BY	DATE	REVISIONS	DATE	APP.
1					
2					
3					
4					
5					

MECHANICAL PLAN



PREPARED BY: ANDREW T. KOMOR
 PROJECT ENGINEER
 R.C.E. NO. — # C 64928
 EXP. 6/30/23
 DRAWN: —
 DESIGNED: —
 CHECKED: —
 DATE: AUGUST 2022

**CYPRESS GROVE
 STORM WATER PUMP
 STATION UPGRADES**

PACE
 Advanced Water Engineering
 17520 Newhope Street, Suite 200 | Fountain Valley, CA 92708
 P: (714) 481-7300 | www.pacewater.com

SHEET
M1
 18 OF 25 SHEETS

ISSUED FOR BID

JOB NO. 8138-E

Xrefs: 8138-MECH.dwg; 8138-ARCH.dwg; 8138-STRUCT.dwg; 8138-MECH NOT FOR DEMO.dwg; 8138-10-Tbk.dwg; 8138-ARCH.dwg; Dimscale = 1; PStscale = 1; Acad Ver. = 23.0s (LMS Tech); Version = 1

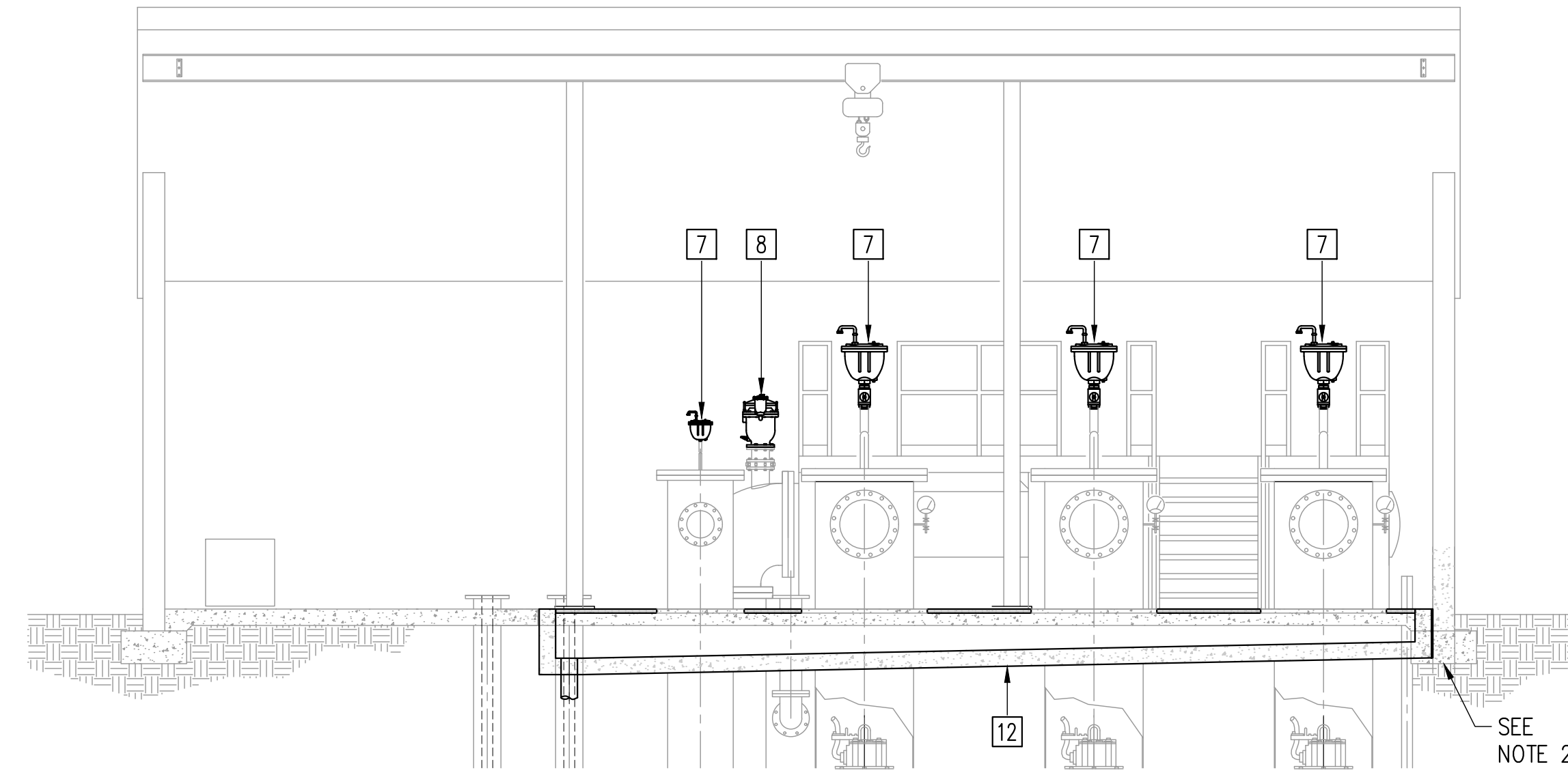
THESE DRAWINGS ARE THE PROPERTY OF PACIFIC AQUASCAPE AND SHALL NOT BE REPRODUCED IN ANY MANNER NOR BE USED FOR CONSTRUCTION UNLESS STAMPED "ISSUED FOR CONSTRUCTION".

CONSTRUCTION NOTES:

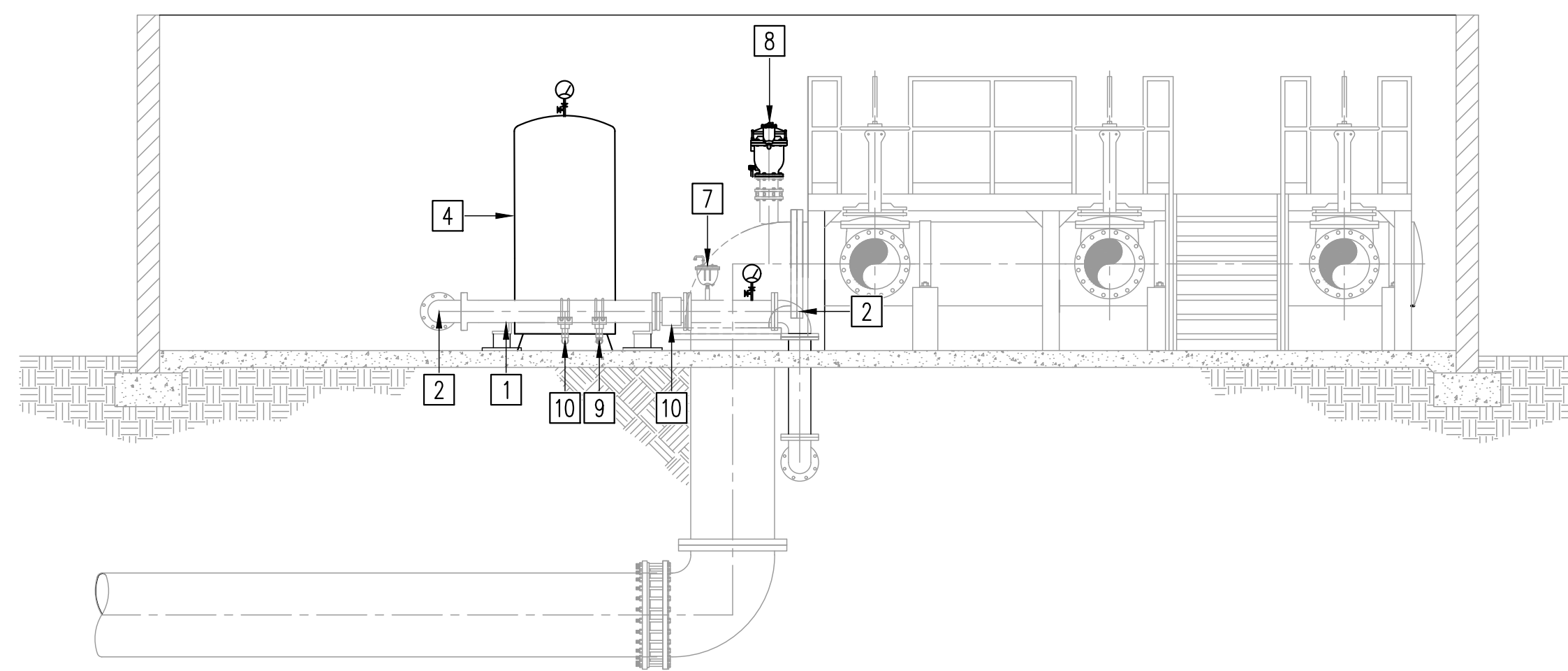
- 1 INSTALL NEW 8" DUCTILE IRON PIPE AND FITTINGS
- 2 INSTALL NEW 8" DUCTILE IRON 90° ELBOW
- 4 INSTALL NEW BLADDER TANK W/ PRESS GAUGE, 2" CONNECTION AND SHUTOFF VALVE
- 7 INSTALL NEW 3" AIR RELEASE VALVE
- 8 INSTALL NEW 6" AIR RELEASE VALVE
- 9 INSTALL NEW 2" PRESSURE RELEASE VALVE TO TRENCH DRAIN
- 10 INSTALL NEW 2" SHUT OFF VALVE AND CONNECTION TO NEW BLADDER TANK
- 11 INSTALL NEW 8" FLOW METER PER SPECS
- 12 INSTALL TRENCH DRAIN, SEE MECH PLAN

NOTES:

- 1. CONTRACTOR SHALL INSTALL NEW PAINT AND PRIMER PER SPECS THROUGHOUT ALL MECHANICAL EQUIPMENT AND PIPING.
- 2. CONTRACTOR SHALL VERIFY LOCATION OF FOOTING AT WALL, PROTECT IN PLACE



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



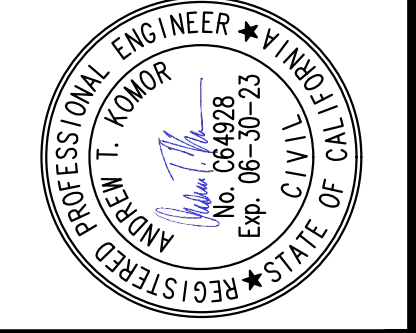
SECTION A
 1/4" = 1'-0"

ISSUED FOR BID

PACE
 Advanced Water Engineering
 17520 Newhope Street, Suite 200 | Fountain Valley, CA 92708
 P: (714) 481-7300 | www.pacewater.com

**CYPRESS GROVE
 STORM WATER PUMP
 STATION UPGRADES**

PREPARED BY ANDREW T. KOMOR	PROJECT ENGINEER
R.C.E. NO. -- # C 64928	EXP. 6/30/23
DRAWN	SCALE 1/4" = 1'
DESIGNED	DATE AUGUST 2022
CHECKED	



**MECHANICAL
 SECTIONS**

NO.	BY	DATE	REVISIONS	DATE	APP.
1					
2					
3					
4					
5					
6					
7					
8					
9					
10					
11					
12					

SHEET
M2
 19 OF 25 SHEETS

JOB NO. 8138-E

CONSTRUCTION NOTES:

- 1 OUTDOOR WALL-PACK LIGHTS SHALL BE CONTROLLED BY PHOTOCCELL.
- 2 CKT. A-1 ON PANEL 'A' & CONDUIT TAG 'P-115' WILL NOW BE USED FOR OUTDOOR WALL PACK LIGHTING, RE-LABEL AS SUCH ON SCHEDULES.
- 3 CKT. A-5 ON PANEL 'A' & CONDUIT TAG 'P-114' WILL BE USED FOR REPLACEMENT CANOPY LIGHTS.
- 4 RE-LABEL PANEL 'A' SCHEDULE TO READ "240V RECEPTACLE #1" FOR CKTS. A-13 & A-15, & "240V RECEPTACLE #2" FOR CKTS. A-10 & A-12.
- 5 AIR COMPRESSOR BLOWER DISCONNECT SWITCH, 30A, 3P, 480V HEAVY DUTY, WALL-MTD.
- 6 PROVIDE 10 HP BLOWER, 480V, 3PH, TYPE KAESER SM10 WITH INTEGRATED STARTER AND CONTROLS.
- 7 REPLACE EXISTING CANOPY LIGHTS SWITCH IN PLACE WITH NEW 3-WAY LIGHT SWITCH.
- 8 SUSPEND LIGHTS FROM CEILING WITH CHAINS APPROXIMATELY 12 FT ABOVE GROUND.
- 9 FAN, 120/230V AC, 1PH, 0.5 HP, WINDOW-MTD.
- 10 HMI PANEL, GUARDRAIL-MTD. (PANEL AND SYSTEM INTEGRATION SHALL BE A DEFERRED SUBMITTAL). RELOCATE - SEE DETAIL G SHEET E3.0. RE ROUTE EXIST WIRING
- 11 FAN MOTOR STARTER, MFR GREENHECK, PN MS-1P (OR EQUAL).
- 12 CONTRACTOR SHALL PROVIDE FIRE ALARM PANEL WITH BATTERY BACKUP AND HEAT/SMOKE DETECTORS AS REQUIRED BY LOCAL BUILDING CODE. TO BE INSTALLED BY A LICENSED FIRE ALARM PANEL SPECIALIST.
- 13 PROVIDE CIRCUIT BREAKERS AS REQUIRED, SAME TYPE AS EXISTING.
- 14 LABELED AND INSTALLED PER NEC 760.41
- 15 LEVEL TRANSDUCER AND FLOAT SWITCHES TO BE INSTALLED IN EXISTING PIPELINE.

GENERAL NOTES:

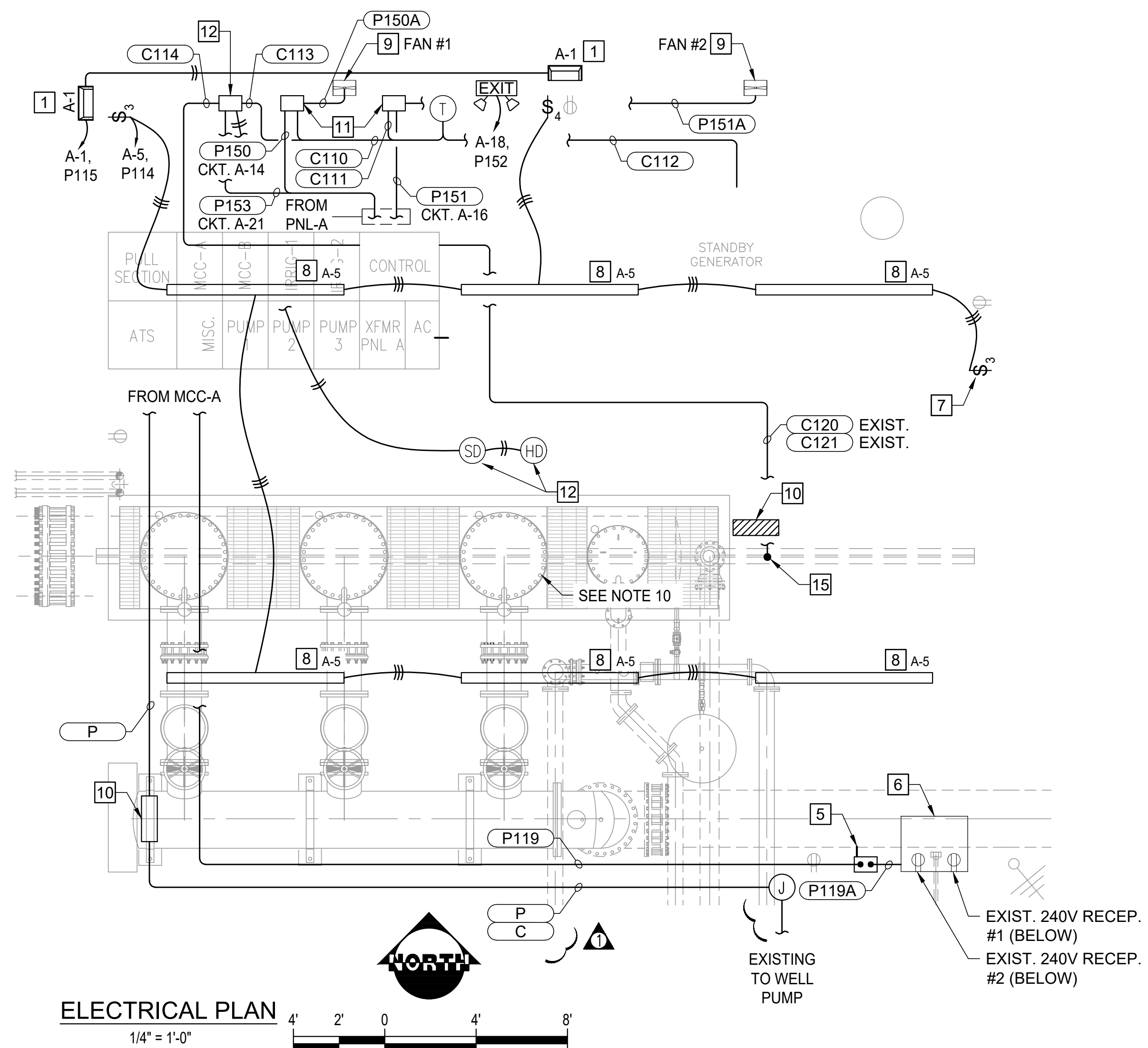
1. CONDUCTORS FOR HOME RUN CIRCUITS FOR LIGHTING SHALL BE #10 AWG MINIMUM SIZE.
2. LIGHTING ILLUMINATION LEVELS FOR ROOM TO BE > 30 FC.
3. LIGHTING AND WIRING SHALL BE TYPE XHHW-2.
4. RECEPTACLE OUTLETS SHALL BE CLEARLY LABELED WITH THE CIRCUIT PROVIDING POWER. LABEL SHALL BE SUITED FOR ENVIRONMENT RECEPTACLE IS LOCATED IN.
5. ALL WIRING SHOWN SHALL BE WITHIN CONDUITS (PVC COATED RGS).
6. ALL CONDUITS SHALL CONTAIN A PROPERLY SIZED GROUND CONDUCTOR.
7. MOUNT AND WIRE ALL EQUIPMENT PER MFR REQUIREMENTS.
8. CONDUIT FOR OUTDOOR LIGHTING FIXTURES SHOULD BE RUN INDOORS AS MUCH AS POSSIBLE.
9. CONTRACTOR SHALL CONFIRM EXISTING SITE CONDITIONS AND EQUIPMENT SHOWN ON THESE PLANS.
10. MOTOR MAY NEED TO BE REPLACED. CONTRACTOR SHALL INCLUDE PROVISIONS IN BID FOR POSSIBLE MOTOR REPLACEMENT.

LEGEND:

- A-# INDICATES CIRCUIT NUMBER
- LINEAR WASHDOWN 8FT., 100W, 5000K LED, 120-277V, NEMA 4X, 0-10V DIMMER. MFR: RAB SHARK-8-100-W/10 (OR APPROVED EQUAL).
- STANDBY EGRESS/LED EXIT LIGHT COMBO w/BATTERY BACKUP, MFR: THE EXIT LIGHT CO., PN COMBOT-R-W-BB (OR APPROVED EQUAL).
- HASH MARKS INDICATING NUMBER OF #12 CURRENT CARRYING CONDUCTORS. GROUND CONDUCTOR(S) NOT SHOWN FOR CLARITY, ALL CONDUITS SHALL HAVE A MINIMUM #12 GROUND AND SIZED PER CODE REQUIREMENTS.
- OUTDOOR LED WALL PACK, 37W, 3000K LED, 120-277V, PHOTOCCELL, BRONZE, 0-10V DIMMABLE, MFR: RAB, PN SLIM37Y/PC (OR APPROVED EQUAL)
- 120 VAC WALL-MOUNTED 3-WAY LIGHT SWITCH @ 42" AFF.
- 120 VAC WALL-MOUNTED 4-WAY LIGHT SWITCH @ 42" AFF.
- THERMOSTAT, ANALOG, COOL ONLY
- SMOKE DETECTOR
- HEAT DETECTOR

EXISTING CONDUIT AND WIRE SCHEDULE

CONDUIT NO.	SIZE	WIRE		CONTROL	FROM	TO	REMARKS
		POWER	GROUND				
P100		INSTALL PER POWER CO. DESIGN & SPECS			POWER CO. POINT OF SERVICE	POWER CO. TRANSFORMER	
P101	8-4"	WIRE BY POWER CO.			POWER CO. TRANSFORMER	MAIN SES PULL SECTION	
P102	4-2"	4-#3/0 ea.	1-#1/0 ea.		MAIN SES	AUTO TRANSFER SWITCH	
P103	1.5"	3-#2/0	#6		MCC	STORMWATER PUMP #1	
P104	1.5"	3-#2/0	#6		MCC	STORMWATER PUMP #2	
P105	1.5"	3-#2/0	#6		MCC	STORMWATER PUMP #3	
P106	1/2"	3-#10	#10		MCC	RECIRCULATION PUMP	
P107	4-2"	4-#3/0 ea.	1-#1/0 ea.		AUTO TRANSFER SWITCH	STANDBY GENERATOR	
P108	4-2"	4-#3/0 ea.	1-#1/0 ea.		AUTO TRANSFER SWITCH	MCC	
P109	1"	3-#8	#10		MCC-B	IRRIGATION PUMP #1	
P110	1"	3-#8	#10		MCC-B	IRRIGATION PUMP #2	
P111	1"	3-#12	#12		PANEL A (10,12)(13,15)	240V RECEPTACLES #1 & 2	
P112	1"	3-#10	#12		MCC	CRANE (VIA CRANE CONTROL PANEL)	
P113							
P114	1"	2-#12	#12		PANEL A-5	REPLACEMENT CANOPY LIGHTS	
P115	1"	2-#12	#12		PANEL A-1	OUTDOOR WALL PACK LIGHTS	
P116	1"	2-#12	#12		PANEL A-3	GENERAL USE RECEPTACLES	
P117	1"	2-#14	#14		MCC	FLOW METER J-BOX	FOR FLOW METER TOTAL FOR FLOW METER POWER
P118	2"	3-#3/0	#4		MAIN SES	MCC-B	
P119	1"	3-#10	1-#10		MCC-A	DISC. SW. - AIR COMP. BLOWER	
P119A	1"	3-#10	1-#10		DISC. SW. - AIR COMP. BLOWER	AIR COMP. BLOWER	
P150	1"	2-#10	1-#10		PANEL A-14	MTR STRTR - SUPPLY FAN #1	
P150A	1"	2-#10	1-#10		MTR STRTR - SUPPLY FAN #1	SUPPLY FAN #1	
P151	1"	2-#10	1-#10		PANEL A-16	MTR STRTR - SUPPLY FAN #2	
P151A	1"	2-#10	1-#10		MTR STRTR - SUPPLY FAN #2	SUPPLY FAN #2	
P152	1"	2-#10	1-#10		PANEL A-18	STANDBY EGRESS/EXIT COMBO LIGHT	
P153	1"	2-#10	1-#10		PANEL A-21	FIRE ALARM PANEL	
C101	3/4"			FACTORY CABLE	PLC	ANTENNA	
C102		#12	40-#14		PLC	MCC (8 CONDUCTORS PER STARTER)	LOCATED IN MCC WIREWAY
C103	3/4"	#12	4-#14		MCC	STORMWATER PUMP #1	
C104	3/4"	#12	4-#14		MCC	STORMWATER PUMP #2	
C105	3/4"	#12	4-#14		MCC	STORMWATER PUMP #3	
C106	3/4"	#12	4-#14		MCC	RECIRCULATION PUMP	
C107	3/4"		#18 TWISTED SHIELDED PAIR		MCC	LEVEL TRANSDUCER/ LEVEL SWITCHES J-BOX	
C108	3/4"		6-#14		MCC	INTRUSION ALARM	
C109	3/4"		#18 TWISTED SHIELDED PAIR		MCC	PRESSURE TRANSDUCER/ FLOW METER J-BOX	FOR FLOW METER FOR PRESSURE TRANSDUCER
C110	3/4"		2-#14		MTR STRTR - FAN #1	THERMOSTAT	
C111	3/4"		2-#14		MTR STRTR - FAN #2	THERMOSTAT	
C112	3/4"		2-#14		THERMOSTAT	GENERATOR	
C113	3/4"		2-#14		THERMOSTAT	FIRE ALARM PANEL	
C114	3/4"		2-#14		FIRE ALARM PANEL	PLC/DIALER	
C120	1"		4-#14		PLC	LEVEL FLOATS	
C121	1"			FACTORY CABLE	PLC	LEVEL TRANSDUCER	



EXISTING PANEL 'A' [13]

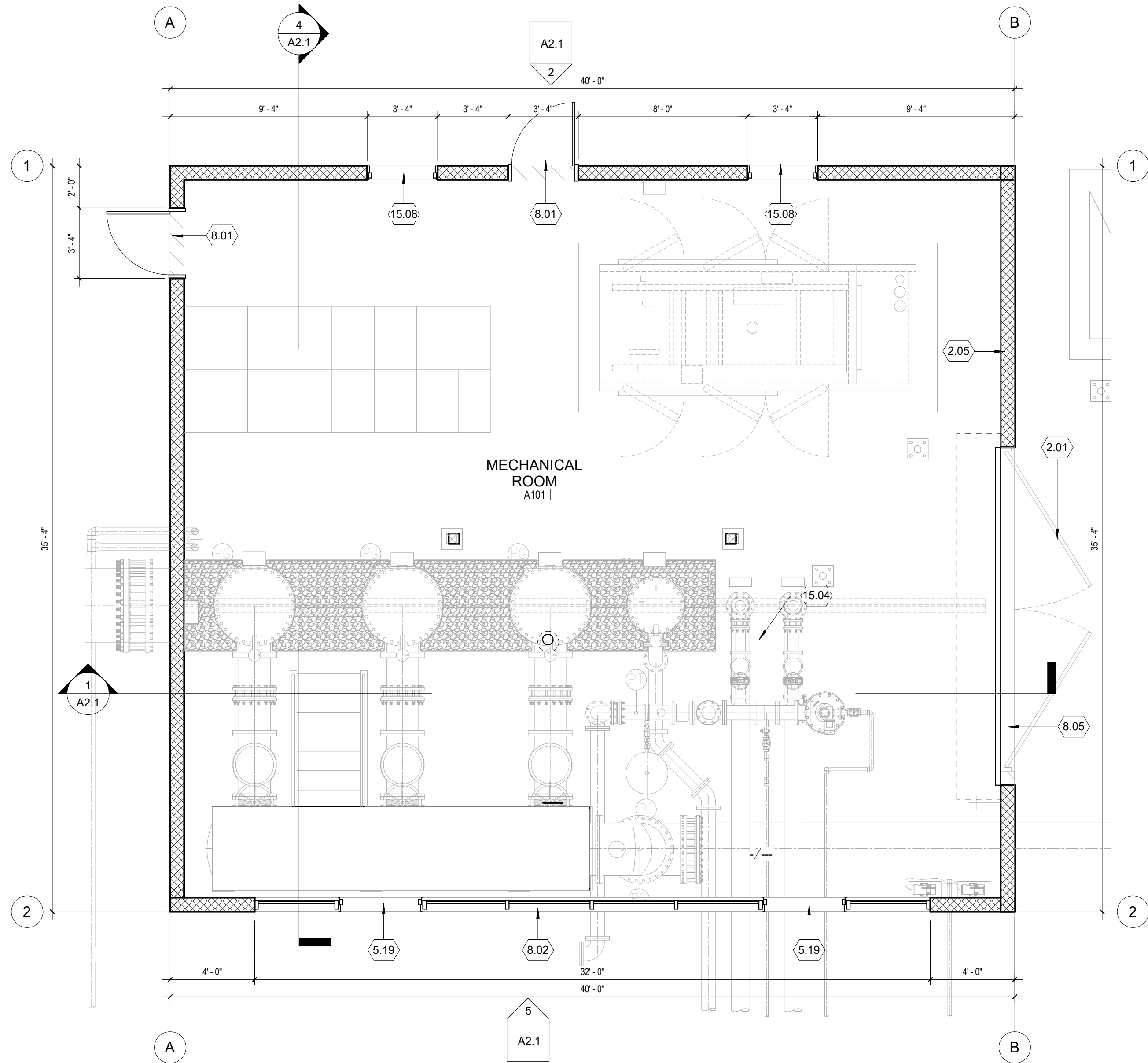
LOAD DESCRIPTION	VA	CB	BKR	VOLT AMPS		BKR	CB	VA	LOAD DESCRIPTION
				PHASE A	PHASE B				
OUTDOOR WALL PACKS*	100	20/1	1	100		2			SPACE
GFI RECEPTACLES	600	20/1	3		800	4	20/1	200	PLC/UPS
OVERHEAD LIGHTS*	750	20/1	5	1350		6		600	A/C UNIT FOR CONTROL
GENERATOR CONTROL/BATTERY	400	20/1	7		1000	8		600	A/C UNIT FOR CONTROL
GENERATOR BLOCK HEATER	828		9	1008		10		180	240V RECEPTACLE #2
	828	20/2	11		1008	12	20/2	180	240V RECEPTACLE #2
240V RECEPTACLE #1	180		13	1356		14	20/1	1176	SUPPLY FAN #1
	180	20/2	15		1356	16	20/1	1176	SUPPLY FAN #2
A/C UNIT FOR MCC-B	600		17	650		18	15/1	50	STANDBY EGRESS /EXIT COMBO LT.
	600		19		600	20			SPACE
FIRE ALARM PANEL	600	20/1	21	600		22			SPACE
			23		0	24			SPACE
VA/PHASE SUBTOTAL				5064	4764	10, 3W			
AILEG (SUBTOTAL)				42.2	39.7	22,000 AIC BREAKERS			
VA (SUBTOTAL)				9828		NEMA 1			
25% OF LARGEST INDUCTIVE LOAD				294	294				
GRAND TOTAL (AMPS)				43.4					
PERCENT CAPACITY				43.4%					

* INDICATES LOAD CALCULATED AT 125%

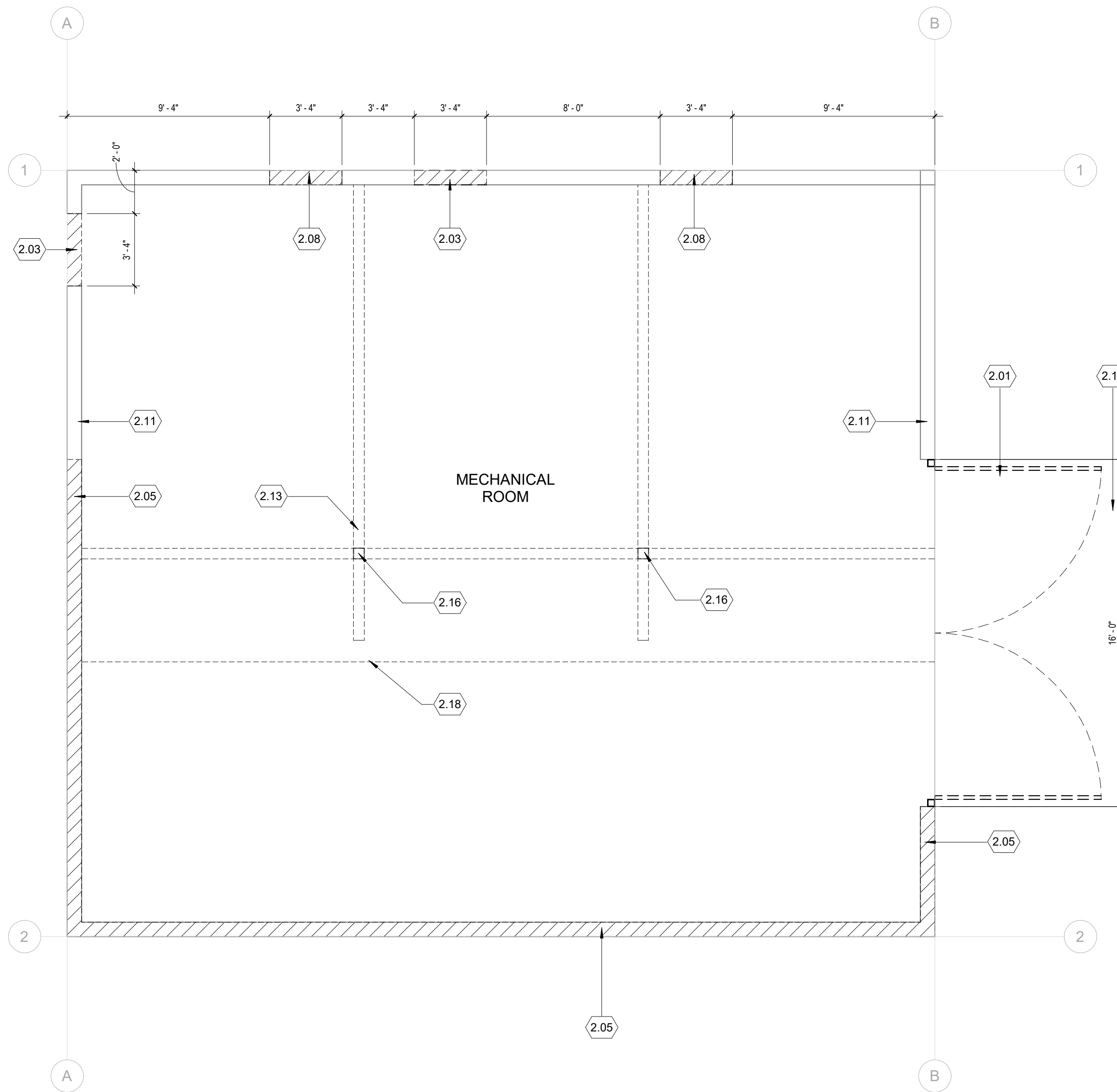
BID ADDENDUM 1 - 09/22 WELL PIPE AND LVAC
 PREPARED BY: CHRISTOPHER NAJARIAN
 PROJECT ENGINEER: R.C.E. NO. -- # E 22545
 EXP. 12/31/22
 DRAWN BY: AS-SHOWIN
 DESIGNED BY: C.N.
 CHECKED BY: C.N.
 DATE: JULY, 2022
 SCALE: AS-SHOWIN
 REGISTERED PROFESSIONAL ENGINEER
 STATE OF CALIFORNIA
 No. 12345
 EXPIRES 12/31/22
 CYPRESS GROVE STORM WATER PUMP STATION UPGRADES
 ISSUED FOR BID
 PACE Advanced Water Engineering
 17520 Newhope Street, Suite 200 | Fountain Valley, CA 92708
 P: (714) 481-7300 | www.pacewater.com
 SHEET E2.0 24 OF 25 SHEETS
 JOB NO. 8138-E

Xrefs: 8138-MECH.dwg, 8138-ARCH.dwg, 8138-STRUCT.dwg, 8138-10-Bldg - Electrical.dwg, 8138-MECH NOT FOR DEMO.dwg
 Dimscale = 1; Ltscale = 1; Psttscale = 1; Acad Ver. = 23.0s (LMS Tech); Version = 1

THESE DRAWINGS ARE THE PROPERTY OF PACIFIC AQUASCAPE AND SHALL NOT BE REPRODUCED IN ANY MANNER NOR BE USED FOR CONSTRUCTION UNLESS STAMPED "ISSUED FOR CONSTRUCTION".



REMODEL FLOOR PLAN 2
1/4" = 1'-0"



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

KEYNOTES

- | NO. | Note - Detail |
|-------|---|
| 2.01 | REMOVE (E) METAL GATES. INSTALL NEW METAL ROLL-UP DOOR |
| 2.03 | PROVIDE NEW DOOR OPENING |
| 2.05 | REMOVE (E) CMU WALL |
| 2.08 | PROVIDE 3'-4" X 3'-4" OPENING FOR EXHAUST FAN |
| 2.11 | (E) CMU WALL TO REMAIN |
| 2.13 | (E) STEEL STRUCTURE TO REMAIN |
| 2.14 | (E) CONCRETE TO REMAIN |
| 2.16 | (E) COLUMN TO REMAIN |
| 2.18 | (E) ROOF LINE ABOVE |
| 5.19 | FIXED LOUVERS |
| 8.01 | 36" X 84" HOLLOW MTL DOOR & FRAME - PAINTED |
| 8.02 | ALUM WINDOW SYSTEM |
| 8.05 | METAL ROLL-UP DOOR - JANUS INTERNATIONAL MODEL 2500 |
| 15.04 | 8" ROUND DUCT MOUNTED AT 12" ABOVE FIN. FLOOR |
| 15.08 | MAXX AIR 36-IN EXHAUST FAN - PROGRAM TO ACTIVATE WHEN GENERATOR IS ON |

BUILDING CODE ANALYSIS

OCCUPANCY CLASSIFICATION H-4
 CONSTRUCTION TYPE V-B
 OCC. SEPARATION REQUIRED NO
 AUTOMATIC SPRINKLER SYSTEM NO

ALLOWABLE AREA
 BASIC ALLOWABLE AREA (TABLE 503) 8,500 s.f.
 ACTUAL AREA
 PROPOSED BUILDING AREA: 1,413 s.f.

ALLOWABLE HEIGHT
 MAX. HEIGHT IN FT./STORIES 40'-0"/1
 (PER CBC TABLE 503 IN ACCORDANCE WITH SECTION 504.2)

ACTUAL HEIGHT
 PROPOSED HEIGHT IN FT./STORIES 16'-8"

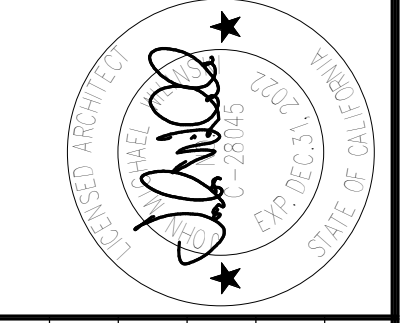
FLOOR PLAN NOTES

- ALL EXITS TO BE OPENABLE FROM INSIDE WITHOUT THE USE OF KEY AND/OR SPECIAL KNOWLEDGE OR EFFORT. U.N.O. SURFACE MOUNTED FLUSH OR SURFACE BOLTS ARE PROHIBITED.
- PAINT ALL STEEL COLUMNS, LADDERS, METAL DOORS AND FRAMES AND STEEL RAILS PER SPECS. COLORS BY OWNER.
- ALL INSULATION SHALL HAVE FLAME SPREAD RATE NOT TO EXCEED 25 AND A SMOKE DENSITY NOT TO EXCEED 450 WHEN TESTED IN ACCORDANCE WITH U.B.C. STANDARD NO. 42-1.
- PROVIDE 4'-0" HIGH ANGLE IRON DOOR GUARDS AT FLOOR OF EACH JAMB OF EACH OVERHEAD DOOR OPENING.
- PROVIDE EXTERIOR PLASTER OVER CMU BLOCK WALL. PLASTER TEXTURE TO MATCH EXISTING
- ALL LOUVERS AND VENTS ARE TO BE COVERED WITH AN EXPANDED STEEL MESH, MEDIUM GRADE THICKNESS OVER THE INTERIOR OF THE VENT. MESH COVERING SHALL BE INTEGRAL IN THE FRAME OF VENTS/LOUVERS.
- MAXIMUM ALLOWABLE NaOCL (CORROSIVE LIQUID) IN-USE STORAGE SHALL BE 500-LIQUID GALLONS PER CB TABLE 307.1(2)

NOTE:

ALL CONSTRUCTION SHALL CONFORM TO THE 2019 CALIFORNIA BUILDING, FIRE, MECHANICAL, PLUMBING, ELECTRICAL, ENERGY CODE AND GREEN BUILDING CODE.

NO.	BY	DATE	REVISIONS	DATE	APP.



PREPARED BY JMW	PROJECT ARCHITECT C-28045	SCALE As Indicated	DATE 06/01/22
EXP: 12.31.22	DRAWN BY SQ-1	DESIGNED BY SQ-1	CHECKED BY JMW

TITLE
FLOOR PLAN

JOB
CYPRESS GROVE WATER PUMP STATION

STOCKTON CA.

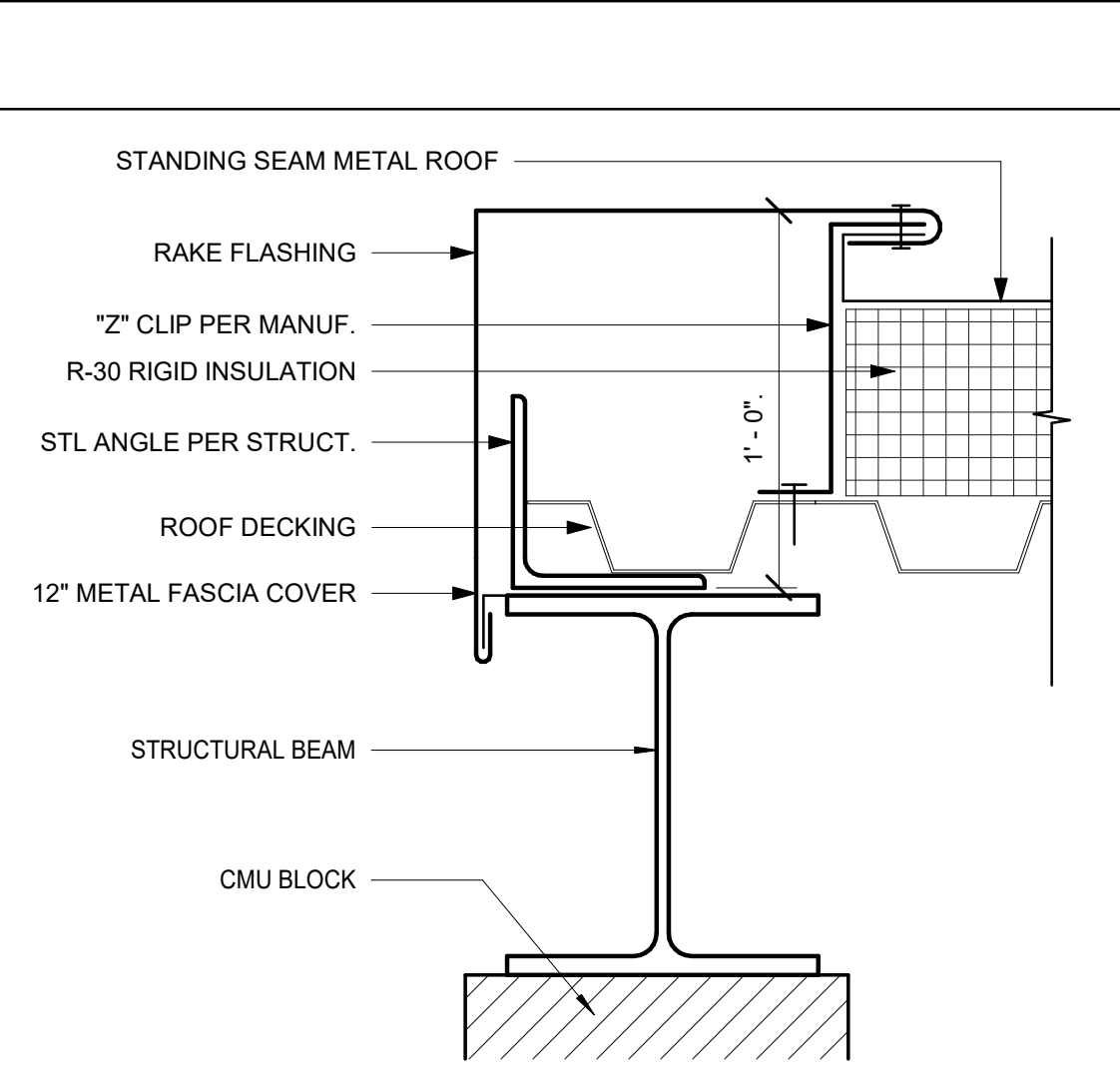
100% PLAN SET. ISSUED FOR BID

17520 Newhope Street, Suite 200
 Fountain Valley, CA 92708
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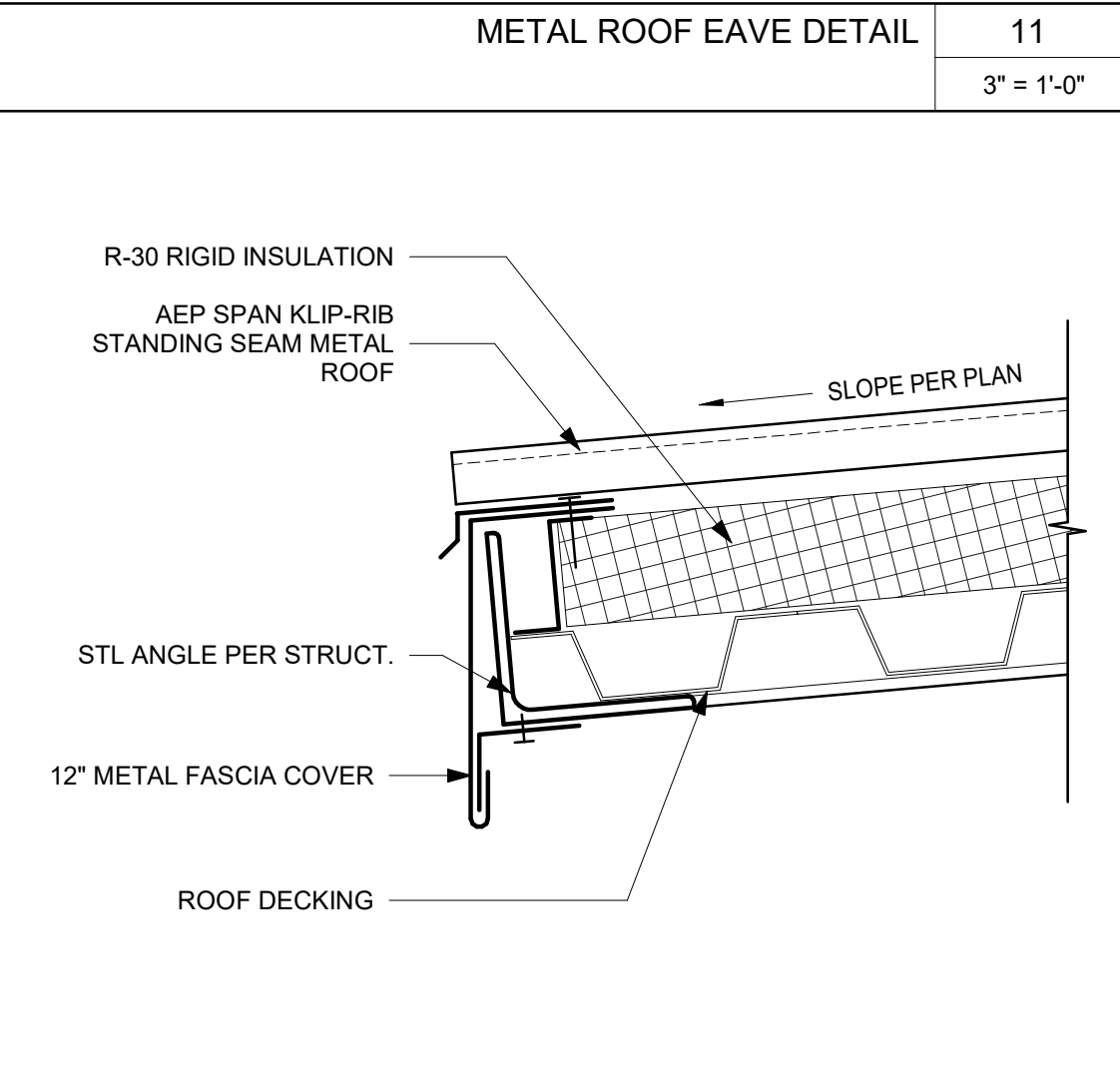
SHEET
A1.1

OF SHEETS

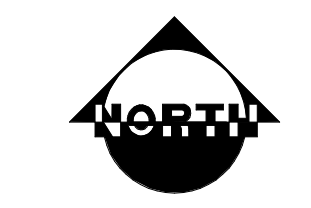
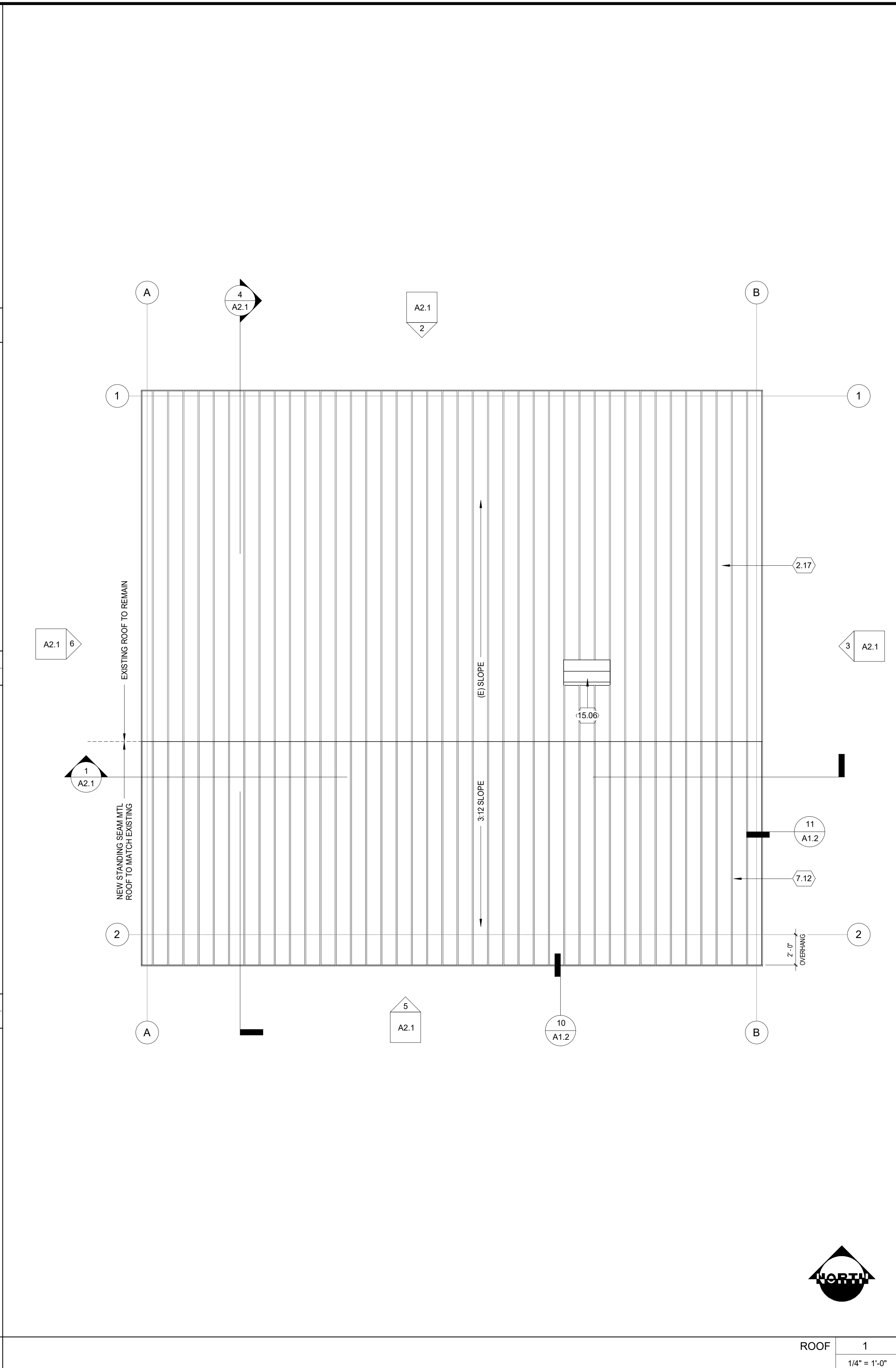
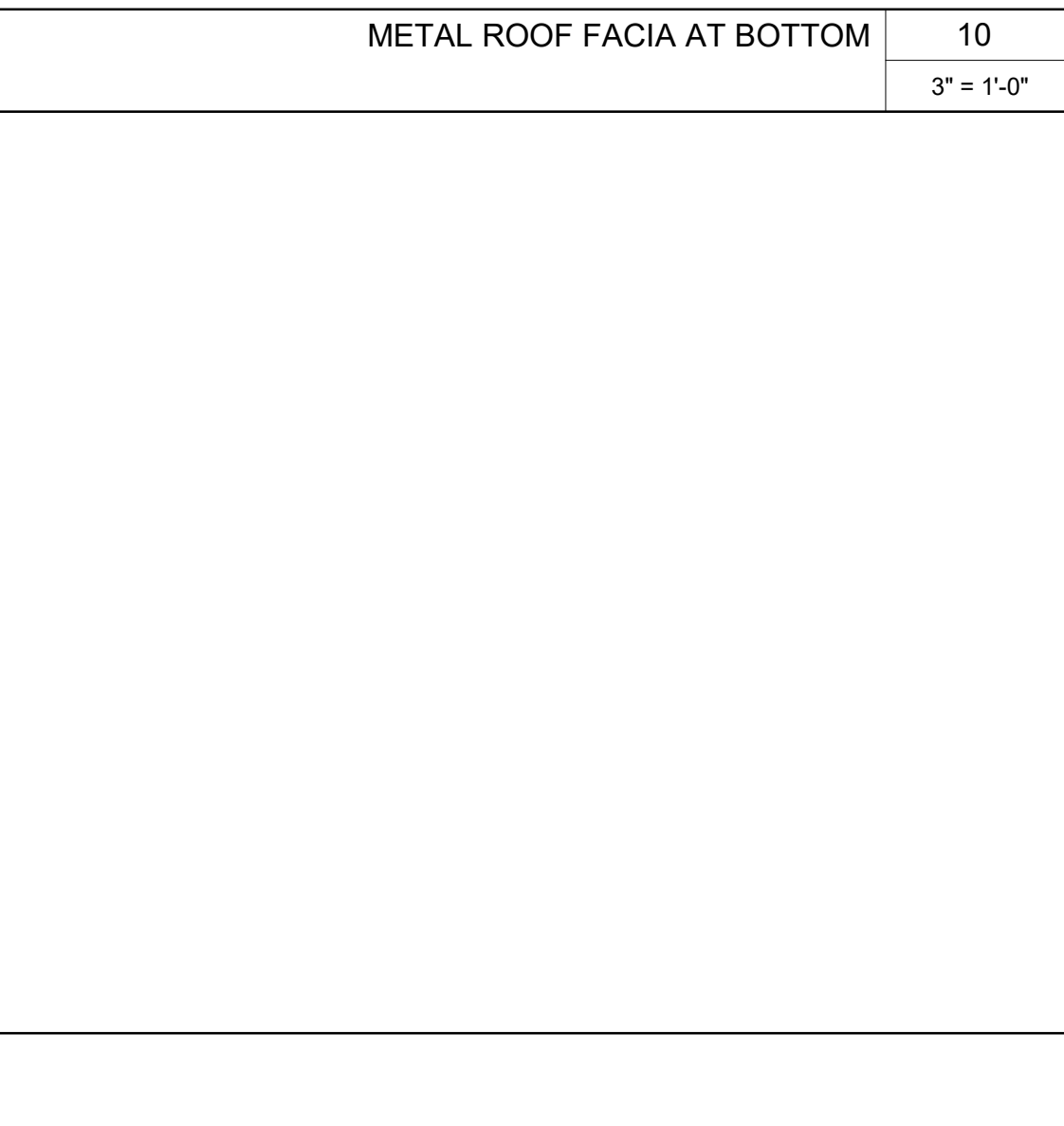
JOB NO 7861-E



METAL ROOF EAVE DETAIL 11
3\"/>



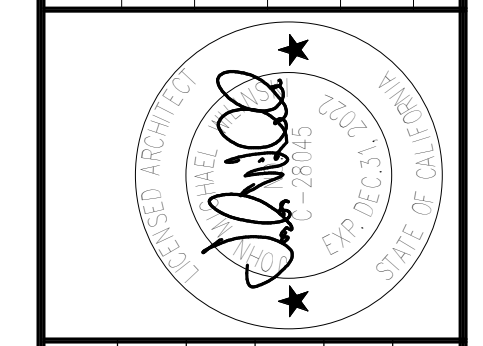
METAL ROOF FACIA AT BOTTOM 10
3\"/>



ROOF 1
1/4\"/>

KEYNOTES
NO. Note - Detail
2.17 (E) STANDING SEAM METAL ROOF TO REMAIN
7.12 (N) STANDING SEAM MTL ROOF
15.06 ROOF TOP EXHAUST VENT

NO.	BY	DATE	REVISIONS	APP



PREPARED BY JMW	PROJECT ARCHITECT C-28045	EXP: 12.31.22	SCALE As Indicated	DATE 06.01.22
DRAWN BY SQ-1	DESIGNED BY SQ-1	CHECKED BY JMW	DATE 06.01.22	

TITLE
ROOF PLAN

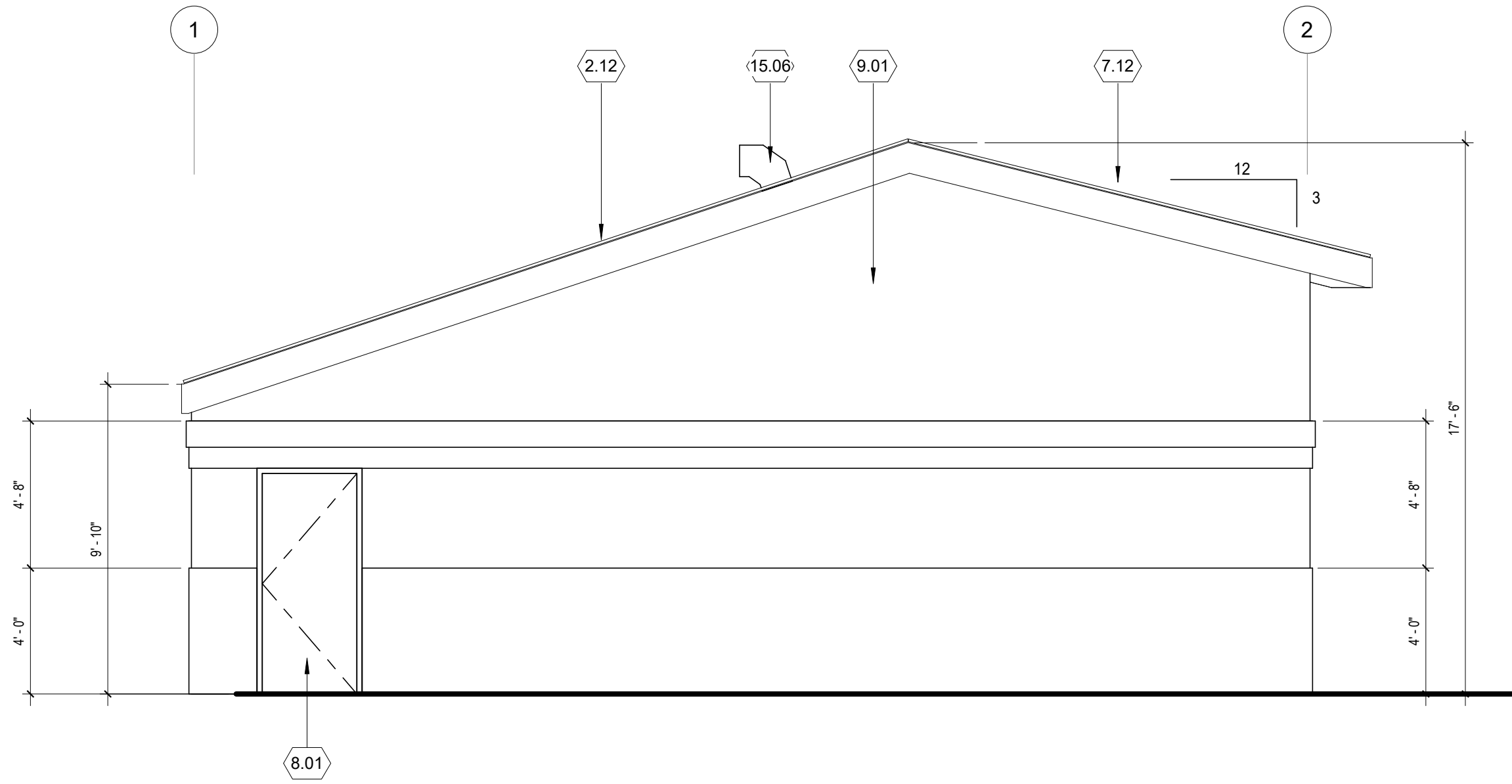
JOB
**CYPRESS GROVE
WATER PUMP STATION**
STOCKTON CA.

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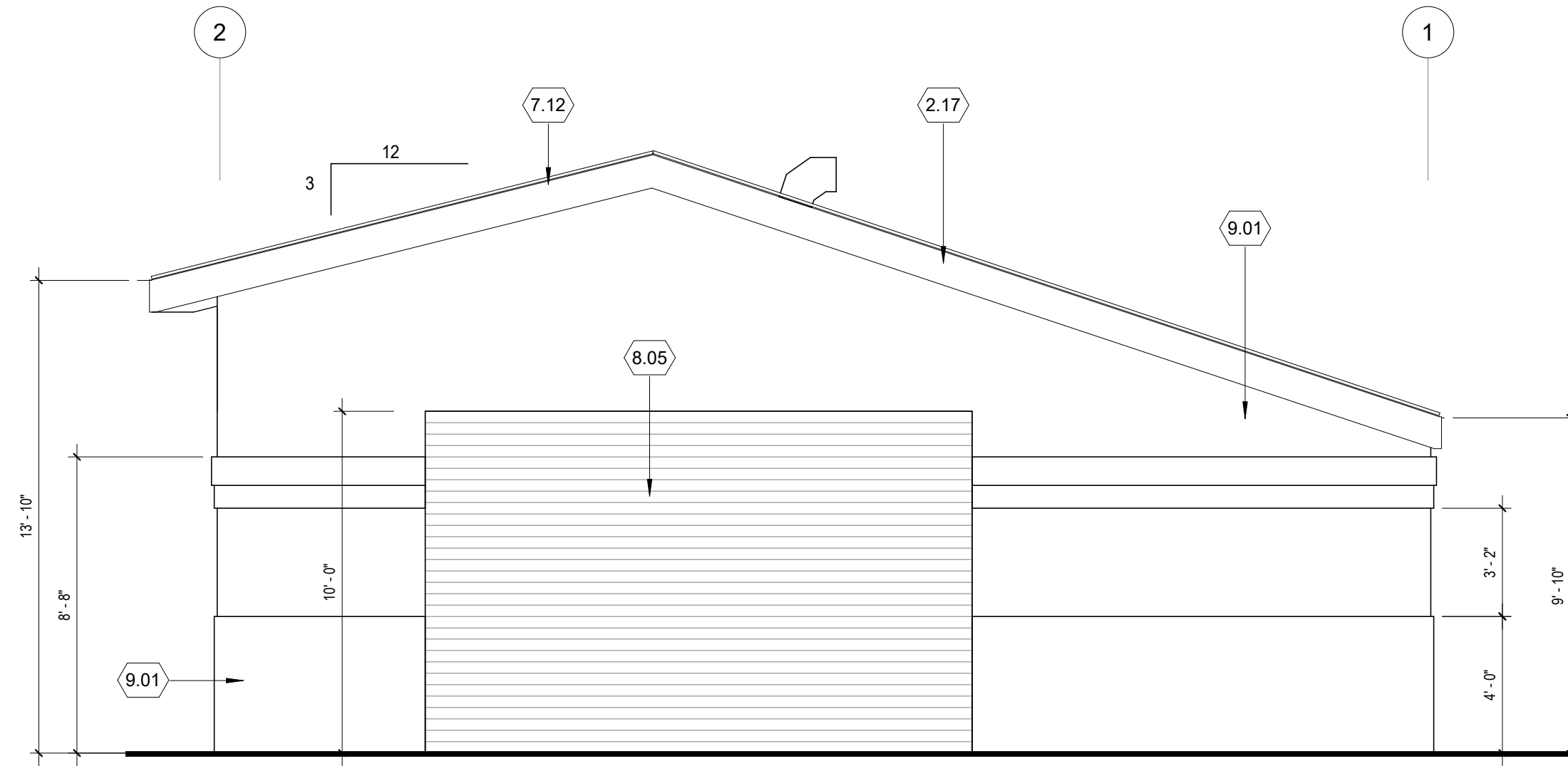
SHEET
A1.2
OF SHEETS
JOB NO 7861-E

100% PLAN SET. ISSUED FOR BID

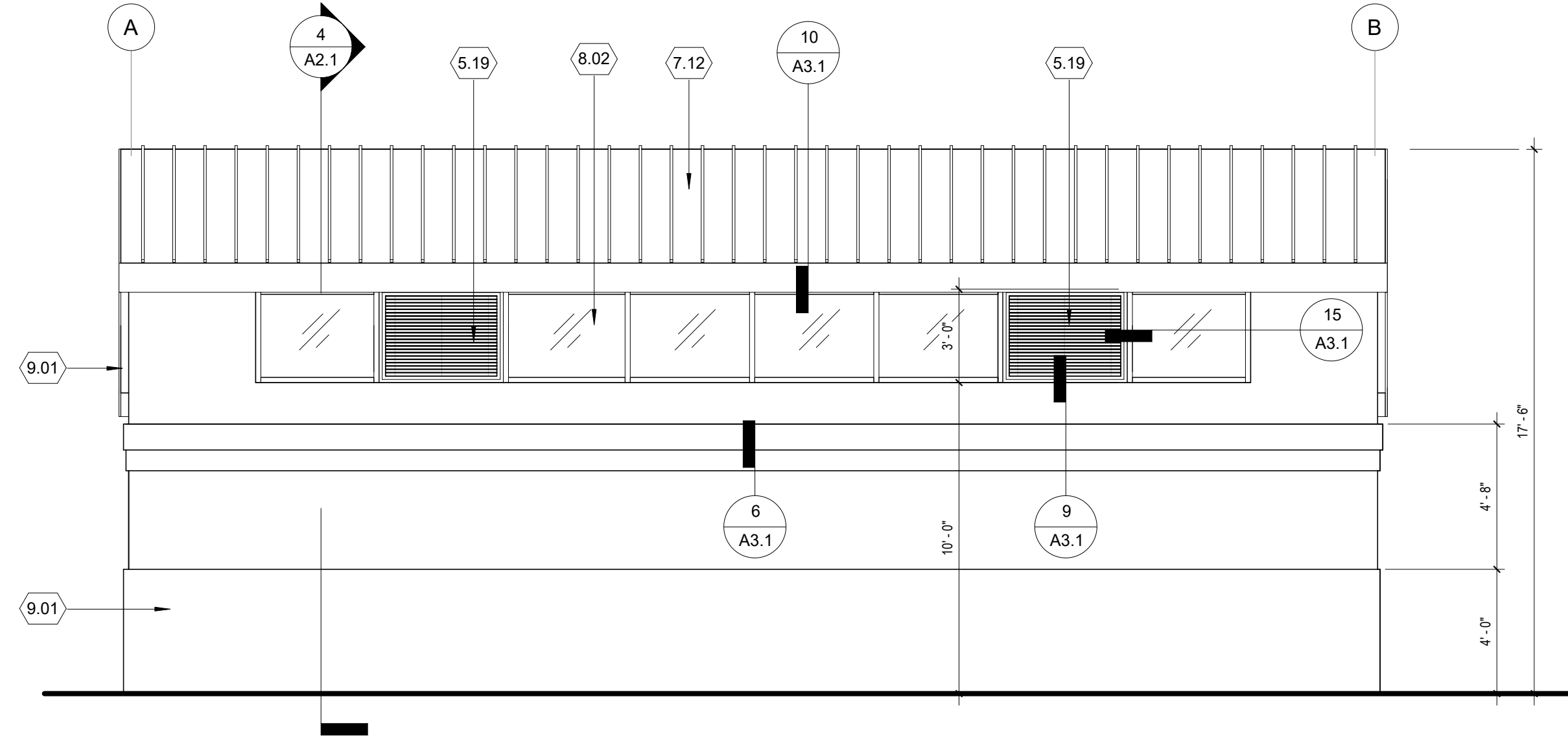
©2022 Local Firm/Cypress Grove, All Rights Reserved. 220505_03.dwg/1/24/2022



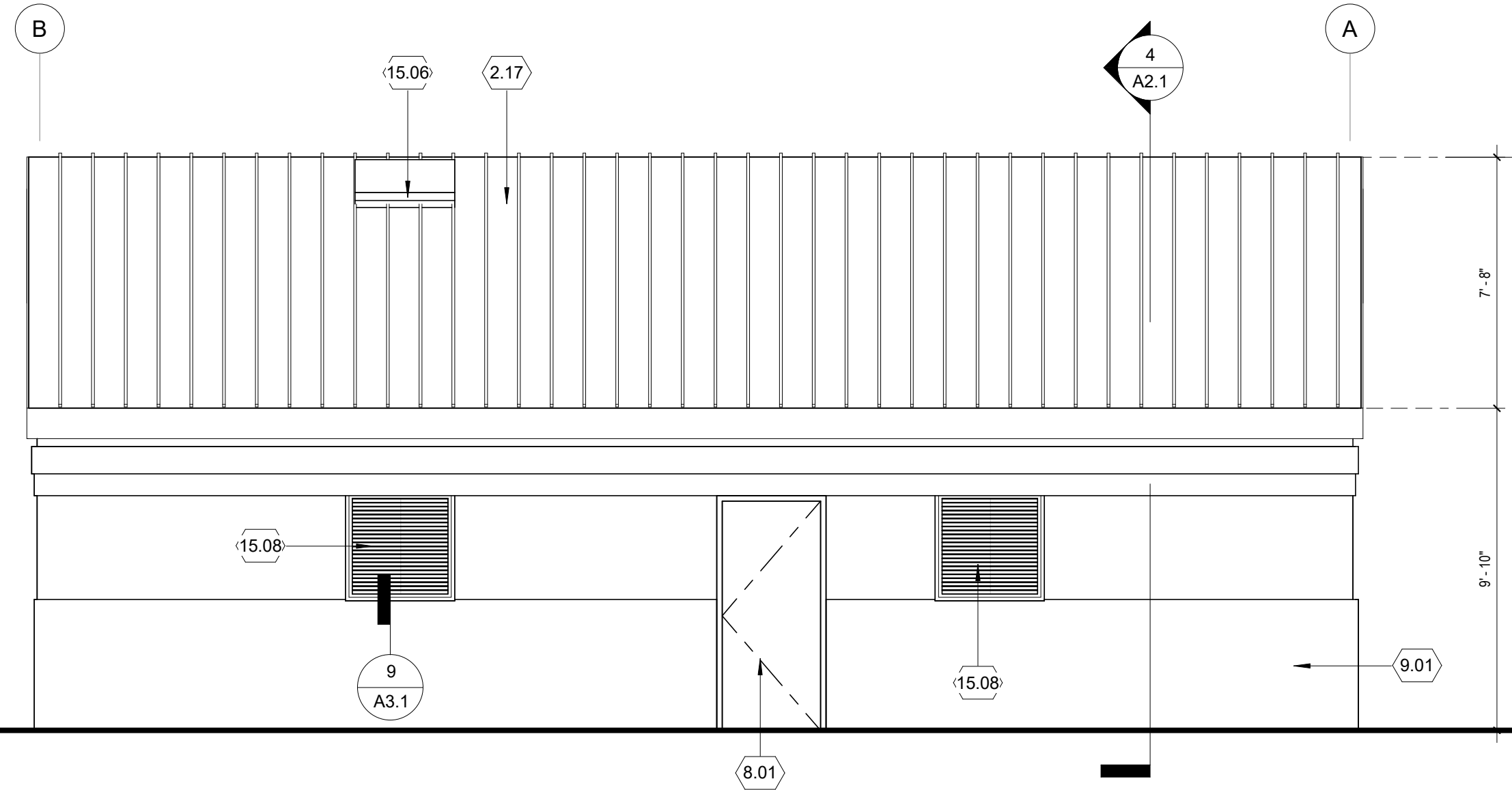
WEST ELEVATION 6
1/4" = 1'-0"



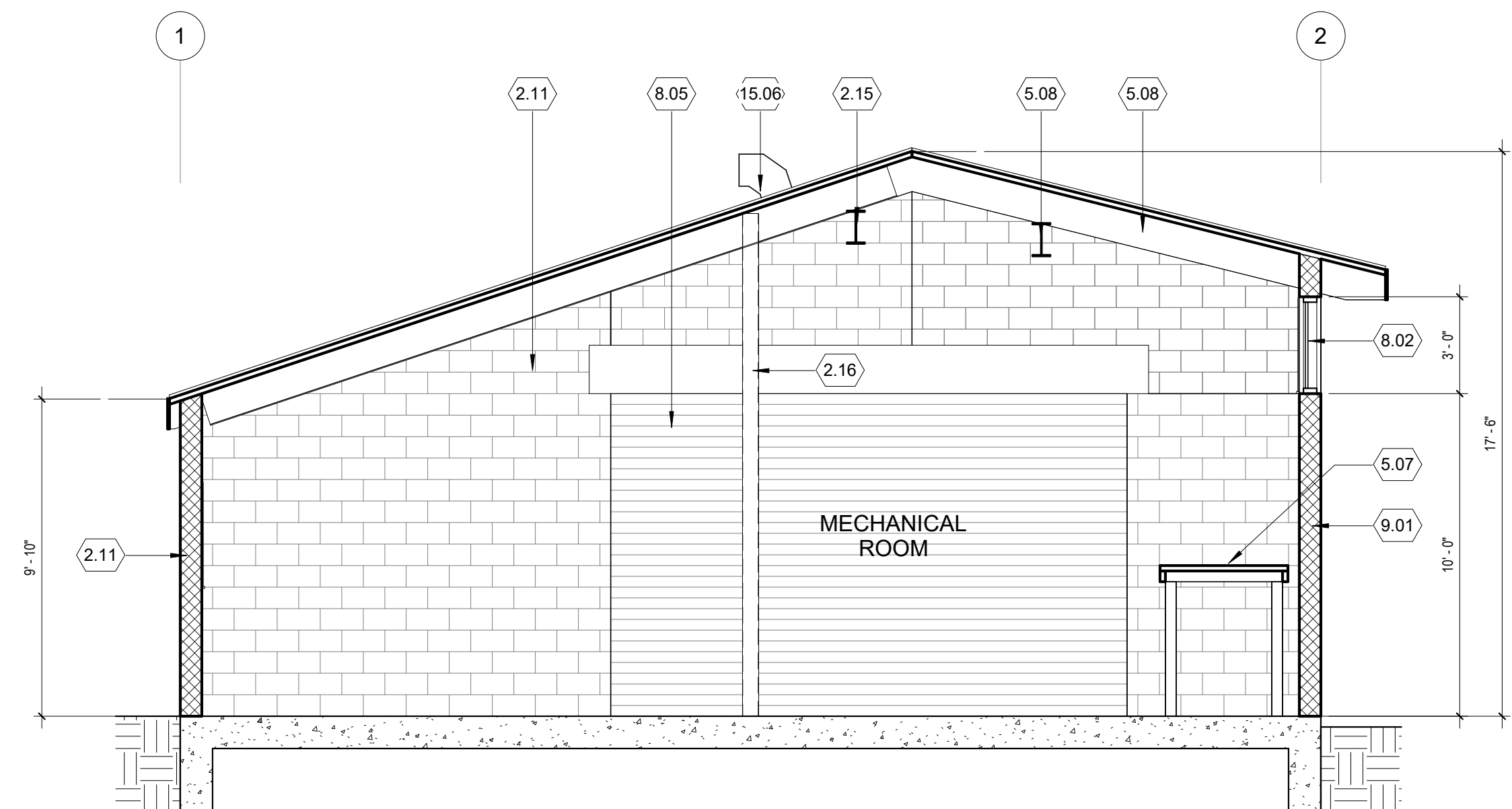
EAST ELEVATION 3
1/4" = 1'-0"



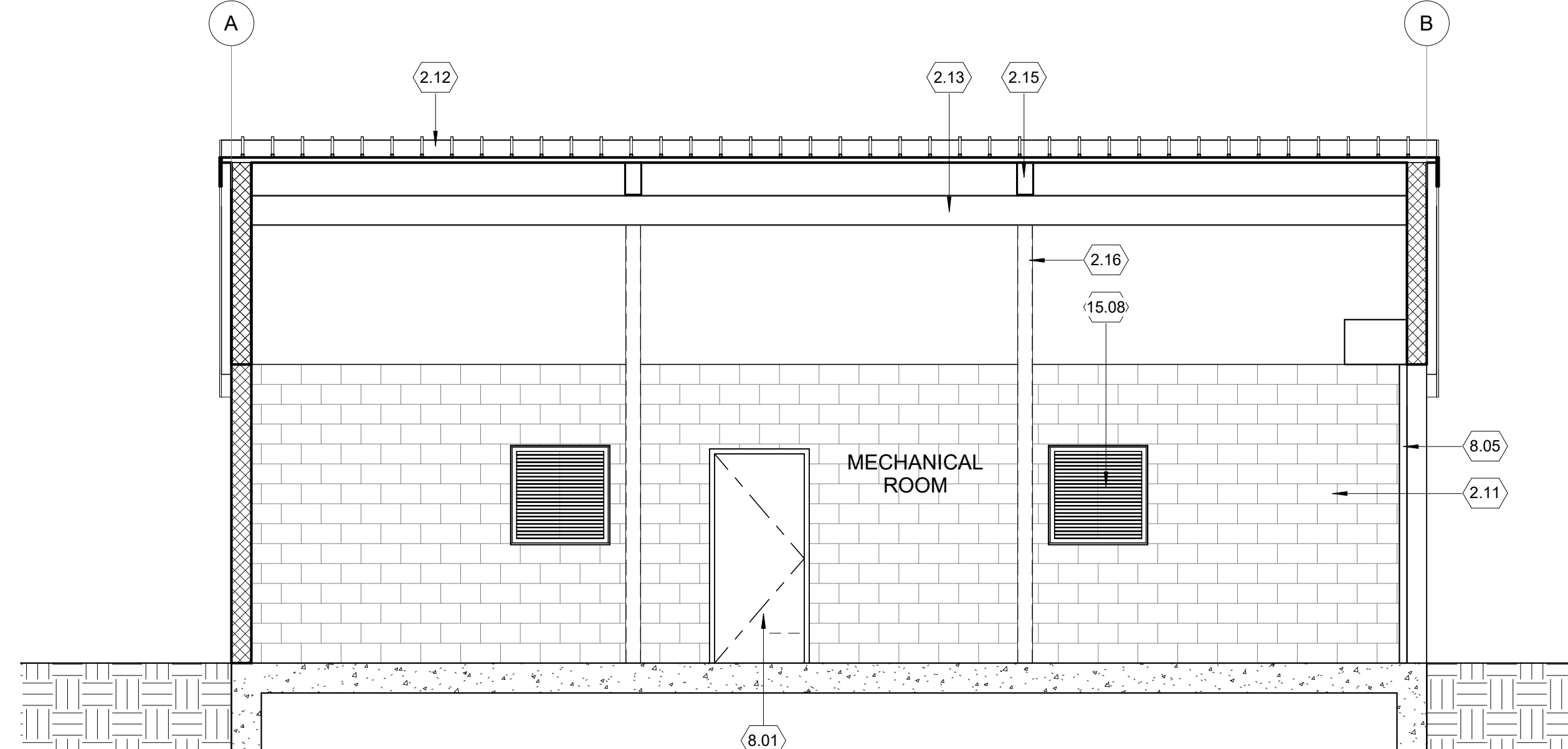
SOUTH ELEVATION 5
1/4" = 1'-0"



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



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

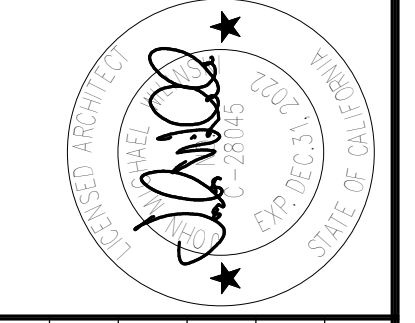


BUILDING SECTION - B 1
1/4" = 1'-0"

KEYNOTES

- NO.** **Note - Detail**
- 2.11 (E) CMU WALL TO REMAIN
 - 2.12 (E) METAL ROOF TO REMAIN
 - 2.13 (E) STEEL STRUCTURE TO REMAIN
 - 2.15 (E) BEAM TO REMAIN
 - 2.16 (E) COLUMN TO REMAIN
 - 2.17 (E) STANDING SEAM METAL ROOF TO REMAIN
 - 5.07 STEEL PLATFORM
 - 5.08 (N) STEEL BEAM PER STRUCT.
 - 5.19 FIXED LOUVERS
 - 7.12 (N) STANDING SEAM MTL ROOF
 - 8.01 36" X 84" HOLLOW MTL DOOR & FRAME - PAINTED
 - 8.02 ALUM WINDOW SYSTEM
 - 8.05 METAL ROLL-UP DOOR - JANUS INTERNATIONAL MODEL 2500
 - 9.01 EXTERIOR PLASTER OVER CMU BLOCK - PAINTED
 - 15.03 NOT USED
 - 15.06 ROOF TOP EXHAUST VENT
 - 15.08 MAXX AIR 36-IN EXHAUST FAN - PROGRAM TO ACTIVATE WHEN GENERATOR IS ON

NO.	BY	DATE	REVISIONS	DATE	APP.



PREPARED BY SQ-1	PROJECT ARCHITECT C-28045	EXP: 12.31.22	SCALE 1/4" = 1'-0"	DATE 00.01.22
DRAWN BY SQ-1	DESIGNED BY SQ-1	CHECKED BY SQ-1		

TITLE
ELEVATIONS & SECTIONS

JOB
CYPRESS GROVE WATER PUMP STATION
STOCKTON CA.

