

SECTION 905 -- PROPOSAL (CONTINUED)

I (We) hereby certify by digital signature and electronic submission via Bid Express of the Section 905 proposal below, that all certifications, disclosures and affidavits incorporated herein are deemed to be duly executed in the aggregate, fully enforceable and binding upon delivery of the bid proposal. I (We) further acknowledge that this certification shall not extend to the bid bond or alternate security which must be separately executed for the benefit of the Commission. This signature does not cure deficiencies in any required certifications, disclosures and/or affidavits. I (We) also acknowledge the right of the Commission to require full and final execution on any certification, disclosure or affidavit contained in the proposal at the Commission's election upon award. Failure to so execute at the Commission's request within the time allowed in the Standard Specifications for execution of all contract documents will result in forfeiture of the bid bond or alternate security.

Bidder acknowledges receipt of and has added to and made a part of the proposal and contract documents the following addendum (addenda):

ADDENDUM NO. <u> 1 </u>	DATED <u> 1/15/2025 </u>	ADDENDUM NO. _____	DATED _____
ADDENDUM NO. _____	DATED _____	ADDENDUM NO. _____	DATED _____
ADDENDUM NO. _____	DATED _____	ADDENDUM NO. _____	DATED _____

Number	Description
1	Added Document 00 01 15; Document 03 10 00 replaces same; Revised or Added Plan Sheet Nos. 2, 6, 9, 11, 13-22; Amendment EBSx Download Required.

TOTAL ADDENDA: 1
(Must agree with total addenda issued prior to opening of bids)

Respectfully Submitted,

DATE _____

Contractor

BY _____
Signature

TITLE _____

ADDRESS _____

CITY, STATE, ZIP _____

PHONE _____

FAX _____

E-MAIL _____

(To be filled in if a corporation)

Our corporation is chartered under the Laws of the State of _____ and the names, titles and business addresses of the executives are as follows:

_____	President	Address
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_____	Secretary	Address
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_____	Treasurer	Address
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The following is my (our) itemized proposal.
BWO-9021-25(017)/ 503622301000
Hinds County(ies)

Revised 01/26/2016

DOCUMENT 00 01 15

LIST OF DRAWING SHEETS

1.01 LIST OF DRAWINGS

- A. List of Drawings: Drawings consist of the following Contract Drawings and other drawings of type indicated:

WORKING NUMBER	SHEET NUMBER	DESCRIPTION
	1	TITLE SHEET
T-101	2	INDEX OF DRAWINGS
P-001	3	PROJECT INFO & GENERAL NOTES -PLUMBING
P-002	4	PROJECT INFO - LEGENDS - PLUMBING
PD-100	5	PLUMBING DEMOLITION PLAN - OVERALL
PD-101	6	PLUMBING DEMO PLAN - LOADING DOCK AND MECHANICAL
PD-102	7	PLUMBING DEMO PLAN - VISITOR PARKING
P-100	8	PLUMBING PLAN - OVERALL
P-101	9	PLUMBING PLAN - LOADING DOCK AND MECHANICAL
P-102	10	PLUMBING PLAN - VISITOR PARKING
P-301	11	ENLARGED PLANS - PLUMBING
P-401	12	SECTIONS & RISERS - PLUMBING
P-501	13	DETAILS - PLUMBING
P-601	14	SCHEDULES - PLUMBING
PT-101	15	CHLORINATION EQUIPMENT FRP SHELTER VIEWS
PT-102	16	CHLORINATION EQUIPMENT FRP SHELTER SECTIONS
PT-103	17	CHLORINATION RAW AND TREATED FEED LINES SITE
E-001	18	LEGEND
E-100	19	ELECTRICAL PLAN - SITE
E-101	20	ELECTRICAL PLAN -LOADING DOCK & MECH. AREA
E-601	21	POWER RISER AND SCHEDULES
S100	22	STRUCTURAL NOTES & PLAN
S101	23	STRUCTURAL DETAILS

END OF DOCUMENT

SECTION 03 10 00

CONCRETE FORMS AND ACCESSORIES

PART 1 GENERAL

1.1 SECTION INCLUDES

- A. Formwork for cast-in place concrete, with shoring, bracing and anchorage.
- B. Openings for other work.
- C. Form accessories.
- D. Form stripping.

1.2 RELATED REQUIREMENTS

- A. Section 03 20 00 – Concrete Reinforcement.
- B. Section 03 30 00 – Cast-In-Place Concrete.

1.3 REFERENCE STANDARDS

- A. ACI 117.1R – Guide for Tolerance Compatibility in Concrete Construction; American Concrete Institute; 2014.
- B. ACI 301 – Specifications for Structural Concrete for Buildings; American Concrete Institute; 2016.
- C. ACI 318 – Building Code Requirements for Structural Concrete and Commentary; American Concrete Institute; 2014.
- D. ACI 347R – Guide to Formwork for Concrete; American Concrete Institute; 2014.
- E. PS 1 – Structural Plywood; 2009.

1.4 SUBMITTALS

- A. Section 01 33 00 – Submittal Procedures.
- B. Shop Drawings: Indicate pertinent dimensions, materials, bracing, and arrangement of joints and ties.

1.5 QUALITY ASSURANCE

- A. Designer Qualifications: Design elevated formwork under direct supervision of a professional engineer experienced in design of concrete formwork and licensed in the state in which the project is located.

PART 2 PRODUCTS

2.1 FORMWORK - GENERAL

- A. Provide concrete forms, accessories, shoring, and bracing as required to accomplish cast-in-place concrete work.
- B. Design and construct to provide resultant concrete that conforms to design with respect to shape, lines, and dimensions.
- C. Comply with applicable state and local codes with respect to design, fabrication, erection, and removal of formwork.
- D. Comply with relevant portions of ACI 347, ACI 301, and ACI 318.
- E. Earth forms are permitted for spread footings, interior grade beams and the interior face of perimeter grade beams. The exterior face of perimeter grade beams shall be plywood formed.

2.2 WOOD FORM MATERIALS

- A. Softwood Plywood: PS 1, C Grade, Group 2.

2.3 FORMWORK ACCESSORIES

- A. Form Release Agent: Colorless mineral oil that will not stain concrete.

PART 3 EXECUTION

3.1 EXAMINATION

- A. Verify lines, levels and centers before proceeding with formwork. Ensure that dimensions agree with drawings.

3.2 ERECTION - FORMWORK

- A. Erect formwork, shoring and bracing to achieve design requirements, in accordance with requirements of ACI 301.
- B. Provide bracing to ensure stability of formwork. Shore or strengthen formwork subject to overstressing by construction loads.
- C. Align joints and make watertight. Keep form joints to a minimum.
- D. Obtain approval before framing openings in structural members that are not indicated on drawings.
- E. Coordinate this section with other sections of work that require attachment of components to formwork.

3.3 APPLICATION - FORM RELEASE AGENT

- A. Apply form release agent on formwork in accordance with manufacturer's recommendations.
- B. Apply prior to placement of reinforcing steel, anchoring devices, and embedded items.

- C. Do not apply form release agent where concrete surfaces will receive special finishes or applied coverings that are affected by agent. Soak inside surfaces of untreated forms with clean water. Keep surfaces coated prior to placement of concrete.

3.4 INSERTS, EMBEDDED PARTS, AND OPENINGS

- A. Provide formed openings where required for items to be embedded in passing through concrete work.
- B. Locate and set in place items that will be cast directly into concrete.
- C. Coordinate with work of other sections in forming and placing openings, slots, reglets, recesses, sleeves, bolts, anchors, other inserts, and components of other work.
- D. Install accessories in accordance with manufacturer's instructions, so they are straight, level, and plumb. Ensure items are not disturbed during concrete placement.
- E. Install waterstops in accordance with manufacturer's instructions, so they are continuous without displacing reinforcement. Heat seal joints so they are watertight.
- F. Provide temporary ports or openings in formwork where required to facilitate cleaning and inspection. Locate openings at bottom of forms to allow flushing water to drain.
- G. Close temporary openings with tight fitting panels, flush with inside face of forms, and neatly fitted so joints will not be apparent in exposed concrete surfaces.

3.5 FORM CLEANING

- A. Clean forms as erection proceeds, to remove foreign matter within forms.
- B. Clean formed cavities of debris prior to placing concrete.

3.6 FORMWORK TOLERANCES

- A. Construct formwork to maintain tolerances required by ACI 117.

3.7 FIELD QUALITY CONTROL

- A. Inspect erected formwork, shoring, and bracing to ensure that work is in accordance with formwork design, and to verify that supports, fastenings, wedges, ties, and items are secure.
- B. Do not reuse wood formwork more than 3 times for concrete surfaces to be exposed to view. Do not patch formwork.

3.8 FORM REMOVAL

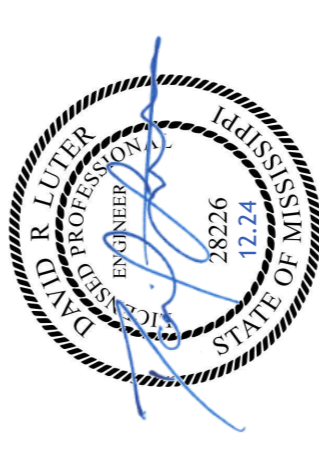
- A. Do not remove forms or bracing until concrete has gained sufficient strength to carry its own weight and imposed loads.
- B. Loosen forms carefully. Do not wedge pry bars, hammers, or tools against finish concrete surfaces scheduled for exposure to view.
- C. Store removed forms to prevent damage to form materials or to fresh concrete. Discard damaged forms.

END OF SECTION

ADMINISTRATION BUILDING WATER WELL UPGRADES
401 North West Street
Jackson, MS 39201



CONSTRUCTION DOCUMENTS



No.	Description	Date	Issued By
1	ADDENDUM 1	1/14/25	CDL

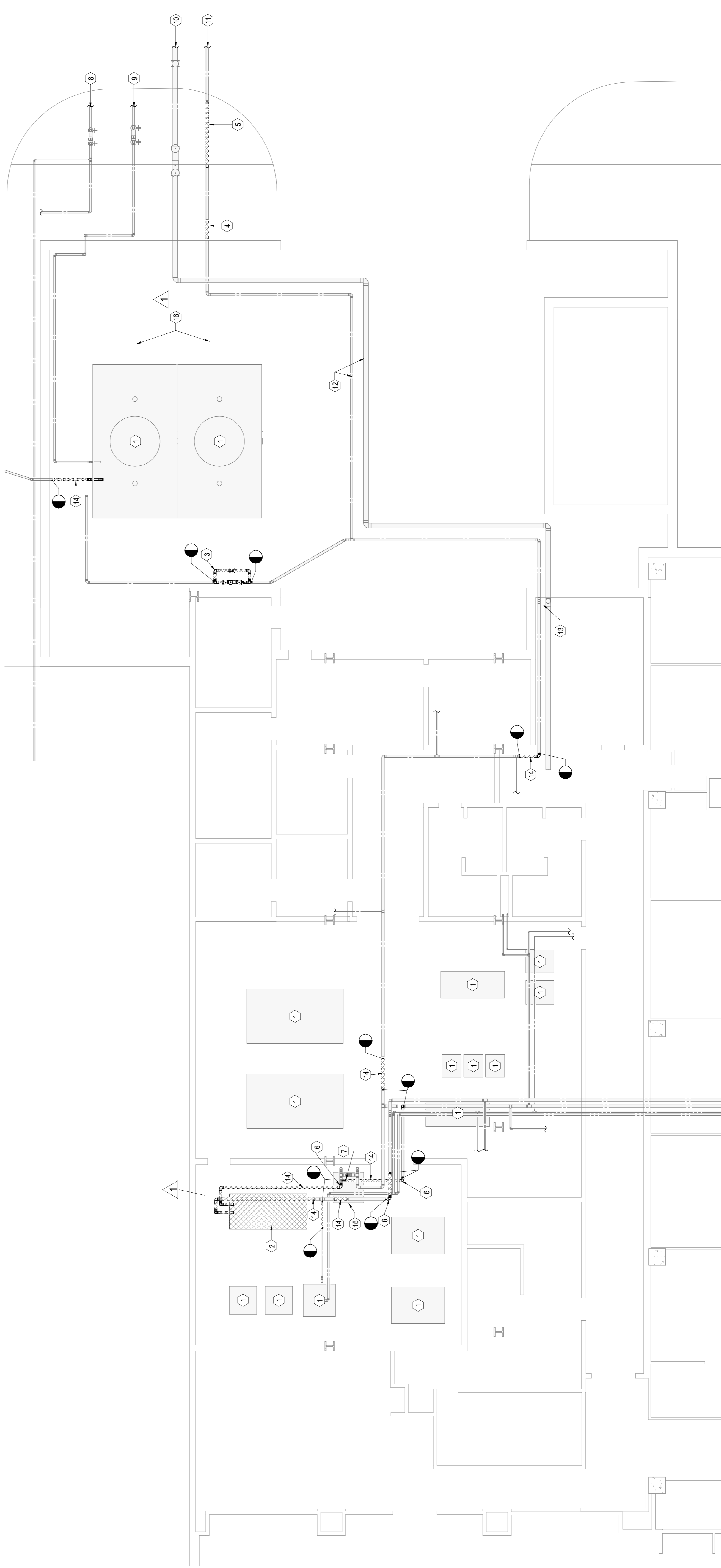
DESIGNED BY: GLAZE
 DETAILED BY: GLAZE
 CHECKED BY: LUTER
 DATE: 12.16.2024

PLUMBING DEMO PLAN - LOADING DOCK AND MECHANICAL

CONTRACTOR SHALL SEQUENCE AND COORDINATE WORK SO THAT SYSTEM SHUTDOWNS ARE KEPT AS MINIMAL AS POSSIBLE AND LIMITED TO OFF-HOURS (NIGHTS AND WEEKENDS). ALL REQUIRED SHUTDOWNS SHALL BE COORDINATED WITH OWNER AND ENGINEER A MINIMUM OF 5 BUSINESS DAYS IN ADVANCE OF SHUTDOWN.

PLAN NOTES

- EXISTING MECHANICAL EQUIPMENT TO REMAIN.
- REMOVE EXISTING DOMESTIC WATER BOOSTER PUMP.
- REMOVE EXISTING BACKFLOW PREVENTER. PRIOR TO REMOVAL, CONFIRM THAT EXISTING BACKFLOW ONLY SERVES ABANDONED COOLING TOWER MAKEUP SERVICE. REMOVE TO APPROX. 6 INCHES BELOW SLAB AND CAP PATCH CONCRETE.
- DEMO PORTION OF CITY MAIN UNDERGROUND FOR CONNECTION IN NEW CONSTRUCTION.
- DEMO PORTION OF CITY SERVICE UNDERGROUND. REMOVE CITY WATER METER AND SAVE FOR REINSTALLATION IN NEW CONSTRUCTION. DIG 4x4' FOR NEW BACK FLOW PREVENTER INSTALLED DURING NEW CONSTRUCTION.
- DEMO PIPE JOINT. PIPE TO REMAIN FOR REWORK IN NEW CONSTRUCTION.
- DEMO PIPE AND CAP AT ELBOW.
- EXISTING IRRIGATION CITY SERVICE TO REMAIN.
- EXISTING MAKEUP WATER CITY SERVICE TO REMAIN.
- EXISTING FIRE PROTECTION SERVICE FROM CITY TO REMAIN. BACKFLOW PREVENTER IN UNDERGROUND VAULT.
- REMOVE EXISTING FIRE PROTECTION SERVICE FROM CITY MAIN.
- APPROPRIATE ROUTING OF EXISTING UNDERGROUND FIRE AND DOMESTIC WATER SERVICE.
- DOMESTIC WATER AND FIRE SERVICE ENTRANCES FROM BELOW GRADE INTO BUILDING.
- REMOVE PORTION OF PIPING AS REQUIRED TO FACILITATE INSTALLATION OF PIPING IN NEW WORK PHASE.
- EXISTING WATER FILTER TO REMAIN. CONTRACTOR TO REMOVE EXISTING FILTER MEDIA AND PROVIDE AND INSTALL NEW FILTER MEDIA.
- REMOVE ALL EXISTING BOLLARDS ON NORTH SIDE OF COOLING TOWERS.



1 NORTH
1/8" = 1'-0"
PLUMBING DEMO PLAN - LOADING DOCK AND MECHANICAL



CONSTRUCTION DOCUMENTS



No.	Description	Date	Issued By
1	ADDENDUM 1	1/14/25	CPFL

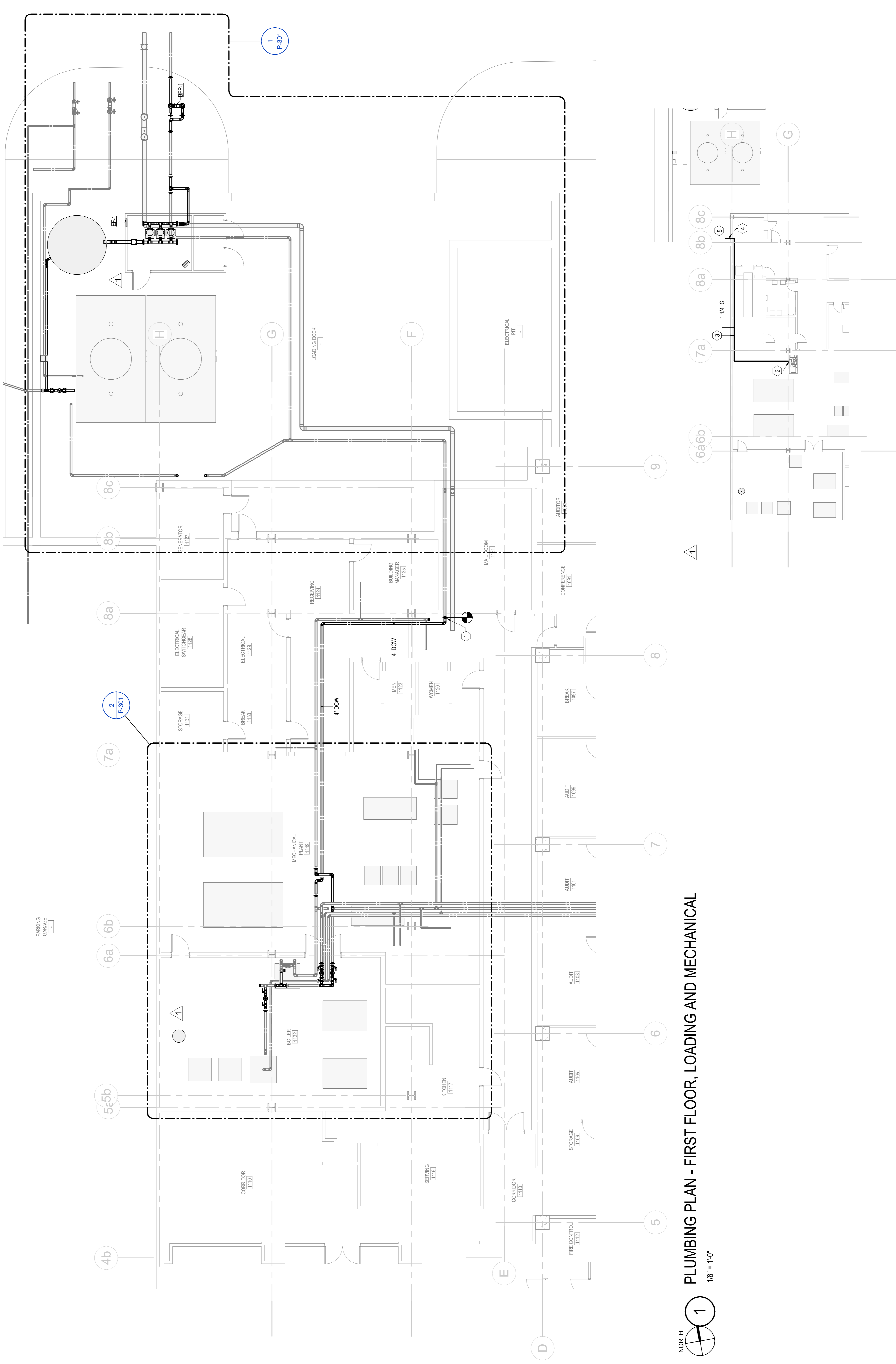
DESIGNED BY: GLAZE
 DETAILED BY: GLAZE
 CHECKED BY: LUTER
 DATE: 12/16/2024

**PLUMBING PLAN -
LOADING DOCK AND
MECHANICAL**

CONTRACTOR SHALL SEQUENCE AND COORDINATE WORK SO THAT SYSTEM SHUTDOWNS ARE KEPT AS MINIMAL AS POSSIBLE AND LIMITED TO OFF-HOURS (NIGHTS AND WEEKENDS). ALL REQUIRED SHUTDOWNS SHALL BE COORDINATED WITH OWNER AND ENGINEER A MINIMUM OF 5 BUSINESS DAYS IN ADVANCE OF SHUTDOWN.

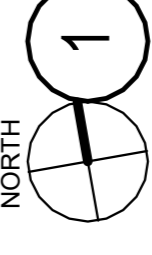
PLAN NOTES

- 1 CONNECT NEW BRING TO EXISTING APPROX. THIS LOCATION AND ROUTE PARALLEL WITH EXISTING AS SHOWN. SEE ENLARGED PLAN FOR CONTINUATION.
- 2 CONNECT TO GENERATOR ON ROOF - SEE DETAIL. PROVIDE AND INSTALL REGULATOR AS REQUIRED TO REDUCE GAS PRESSURE TO WITHIN MANUFACTURER'S RECOMMENDED RANGE.
- 3 GAS PIPING ROUTED ABOVE ON ROOF - SEE DETAIL FOR SUPPORTS. PAINT PER SPECS.
- 4 INSTALL NEW VERTICAL PIPING SECURED TO EXTERIOR WALL UP TO ROOF. PAINT PER SPECS.
- 5 EXISTING GAS SERVICE AND METER APPROX. THIS LOCATION. CONNECT NEW PIPING TO EXISTING 2" VALVED AND CAPPED STUB OUT. INSTALL REGULATOR AS REQUIRED TO REDUCE PRESSURE TO 2 PSI.



PLUMBING PLAN - FIRST FLOOR, LOADING AND MECHANICAL

1/8\" = 1'-0"



2 PLUMBING PLAN - EMERGENCY GENERATOR GAS SUPPLY

1/16\" = 1'-0"

PLUMBING FIXTURE & SPECIALTY SCHEDULE

Table with columns: MARK, ADA COMPLIANT, DESCRIPTION, WASTE/DRAIN, VENT, DCW, DHW, BASIS OF DESIGN [NOTE 2], FIXTURE/SPECIALTY, SUPPLY FITTING, REMARKS / ACCESSORIES.

NOTES: 1. GREYED OUT PORTION OF SCHEDULE INDICATES PORTION OF SCHEDULE NOT APPLICABLE TO FIXTURE... 2. MODEL NUMBERS LISTED ARE "BASE" NUMBERS...

DOMESTIC WATER HYDRO-PNEUMATIC TANK SCHEDULE

Table with columns: MARK, TANK SIZE, PRESSURE SETPOINT, CONNECTION SIZE, POWER REQ'D, BASIS OF DESIGN, [A] REMARKS.

[A] REMARKS: 1. PROVIDE AND INSTALL PRESSURE TRANSDUCER TO INTEGRATE INTO CONTROLS AND MONITOR TANK PRESSURE.

DOMESTIC WATER BOOSTER PUMP SCHEDULE

Table with columns: MARK, TYPE, # OF PUMPS, HEADER SIZE, FLOW RATE, HEAD, POWER REQ'D, V, PH, MCA, MOC, SINGLE-POINT POWER, FACTORY-MOUNTED DISCONNECT, BASIS OF DESIGN, [A] REMARKS.

[A] REMARKS: 1. THREE PUMPS - TWO DUTY, ONE REDUNDANT. 2. SEE SPECS FOR ADDITIONAL REQUIREMENTS. 3. PROVIDE A SINGLE ADDITIONAL PUMP AND MOTOR ASSEMBLY FOR ATTIC STOCK.

PUMP SCHEDULE

Table with columns: MARK, [A] TYPE, [B] SYSTEM, [C] SYSTEM, FLUID, MINIMUM, RATED, HEAD, FLOW RATES, POWER REQ'D, V, PH, HP, VFD?, HORSEPOWER, SINGLE-POINT POWER, FACTORY-MOUNTED DISCONNECT, BASIS OF DESIGN, [C] REMARKS.

[A] REMARKS: 1. VERTICAL IN-LINE MULTISTAGE WITH INTEGRAL VFD. 2. FREQUENCY REGULATED SUBMERSIBLE. [B] SYSTEM: 1. DOMESTIC WATER PRIMER. 2. WELL WATER.

UNIT HEATER SCHEDULE

Table with columns: MARK, TYPE, ELECTRIC HEAT KW, POWER REQ'D, V, PH, SINGLE-POINT POWER, FACTORY-MOUNTED DISCONNECT, BASIS OF DESIGN, [A] REMARKS.

[A] REMARKS: 1. PROVIDE ALL UNITS WITH INTEGRAL CIRCUIT BREAKER/DISCONNECT SWITCH. SEQUENCE PANEL, AIR PROVING SAFETY CONTROLS. INTERLOCK RELAY AND HIGH SAFETY CONTROLS AT 25% ADJUSTABLE.

FAN SCHEDULE

Table with columns: MARK, [A] TYPE, [B] SYSTEM, [C] SYSTEM, AIR FLOW, EXTERNAL STATIC PRESSURE, POWER REQ'D, V, PH, HP, SINGLE-POINT POWER, FACTORY-MOUNTED DISCONNECT, BASIS OF DESIGN, [C] REMARKS.

[A] TYPE: 1. SIDEWALL PROPELLER. [B] CONTROL SEQUENCE: 1. LOW VOLTAGE VENTILATION. 2. THERMOSTAT SET AT 68°F LOCATED IN SHARED ROOM/STAIR. [C] REMARKS: PROVIDE THE FOLLOWING MANUFACTURER'S ACCESSORIES...

ADMINISTRATION BUILDING WATER WELL UPGRADES 401 North West Street Jackson, MS 39201



CONSTRUCTION DOCUMENTS



Table with columns: No., Description, Date Issued By.

DESIGNED BY: GLAZE LUTER
DETAILED BY: GLAZE LUTER
CHECKED BY:
DATE: 12.16.2024

SCHEDULES - PLUMBING

1 CONTROLS NOT TO SCALE

SYSTEM POINTS LIST table with columns: Type, Point, Description, Units, Trend, Alarm, Totalize.

ADMINISTRATION BUILDING WATER WELL UPGRADES
401 North West Street
Jackson, MS 39201



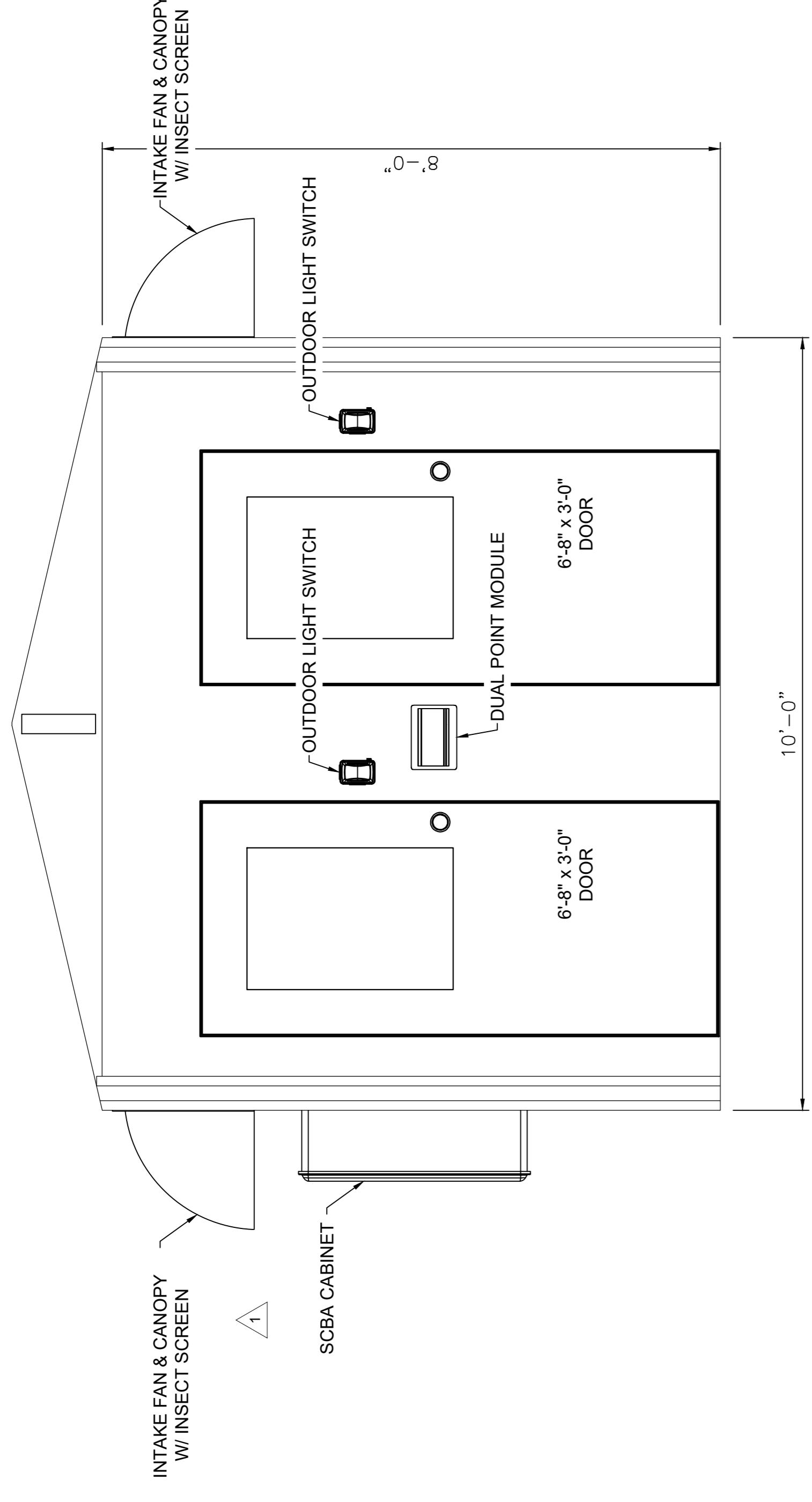
CONSTRUCTION DOCUMENTS



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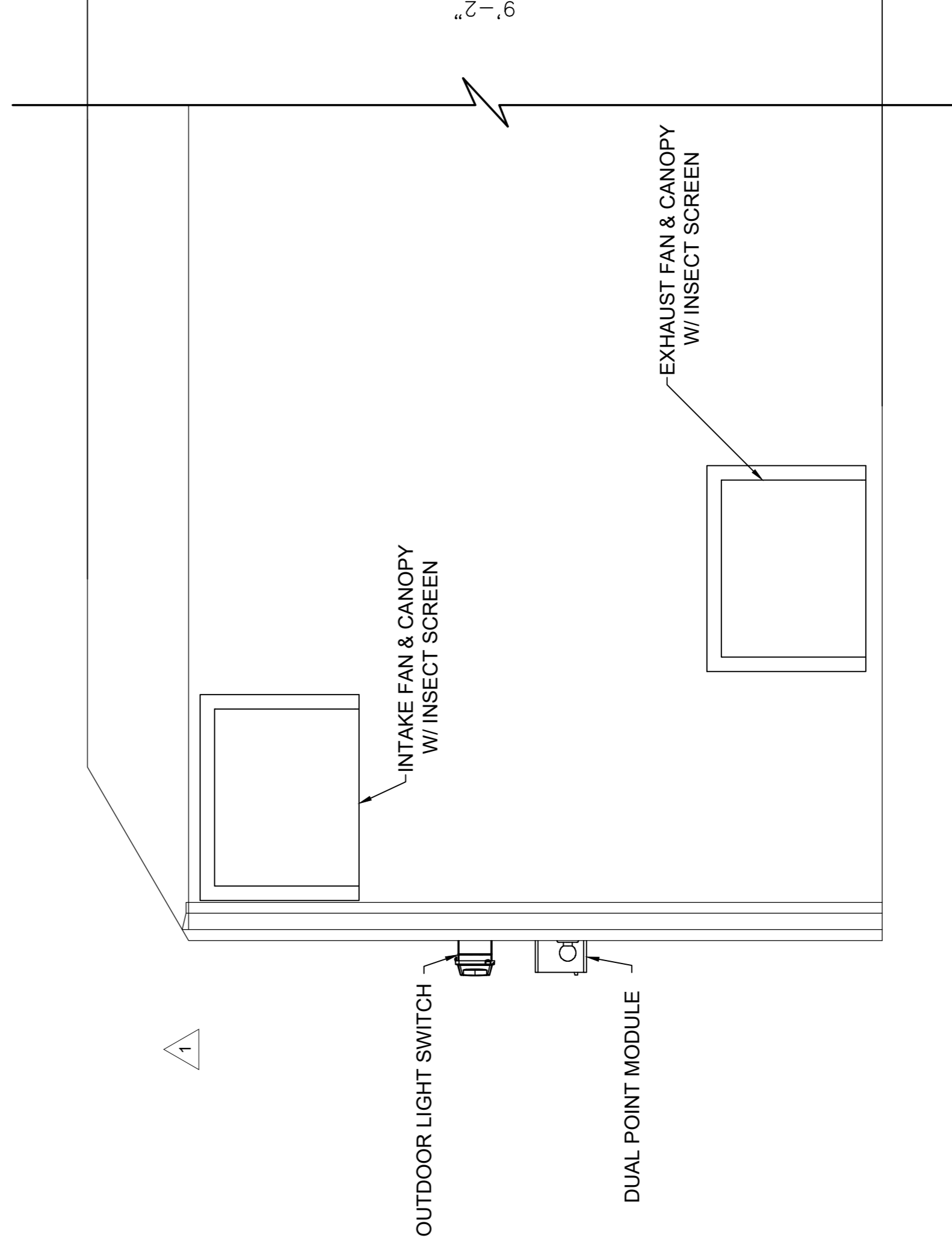
DESIGNED BY: C.K.C.
 DETAILED BY: C.K.C.
 CHECKED BY: PFF
 DATE: 12.13.2024

CHLORINATION
 EQUIPMENT FRP
 SHELTER VIEWS

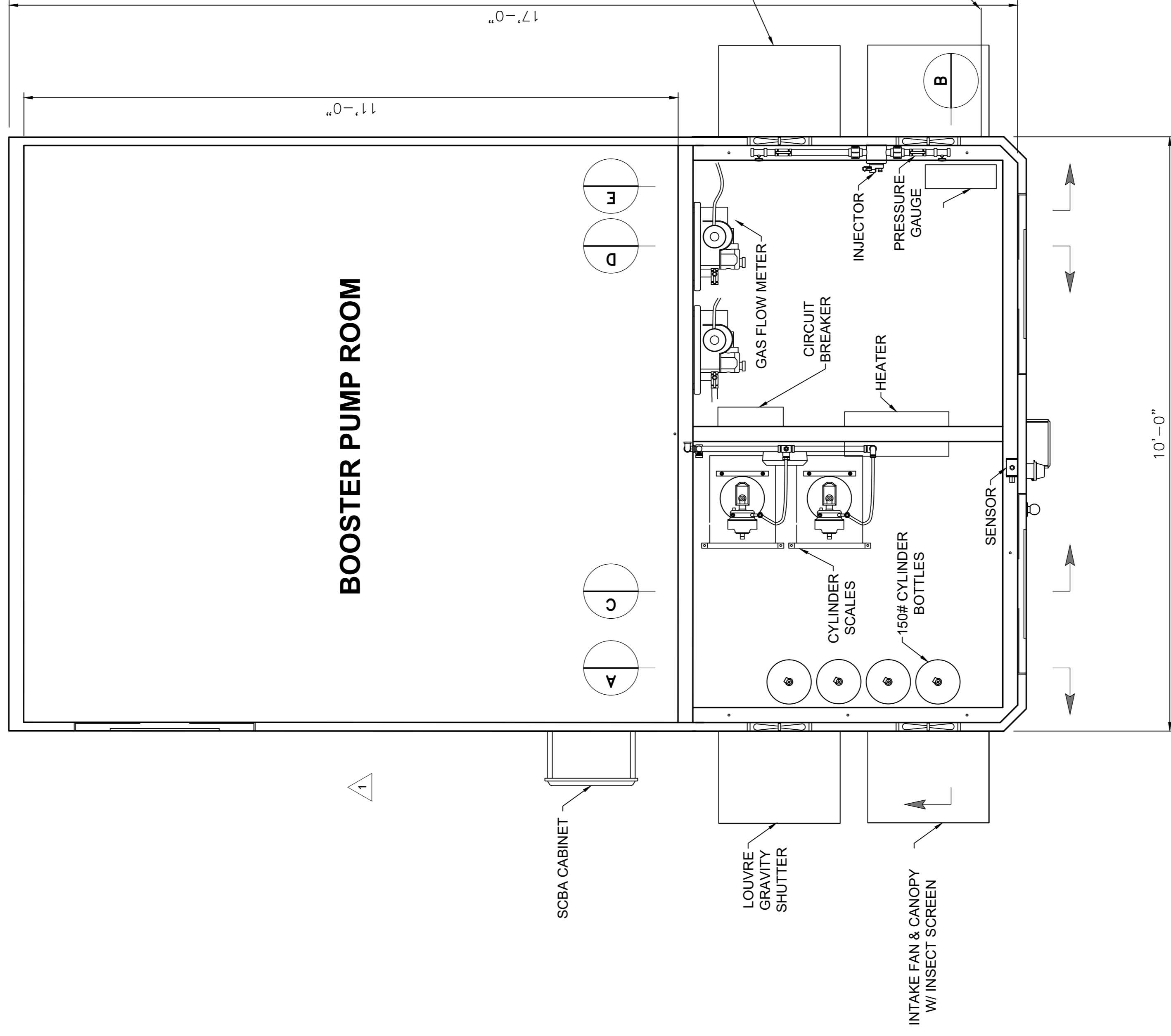


FRONT VIEW
 SCALE: 3/8" = 1'-0"

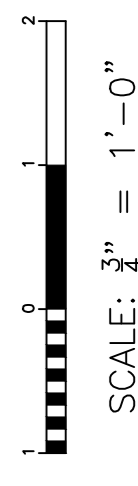
NOTE:
 BOOSTER PUMP ROOM NOT SHOWN IN SECTION VIEWS FOR CLARITY



RIGHT SIDE VIEW
 SCALE: 3/8" = 1'-0"



PLAN
 SCALE: 3/8" = 1'-0"

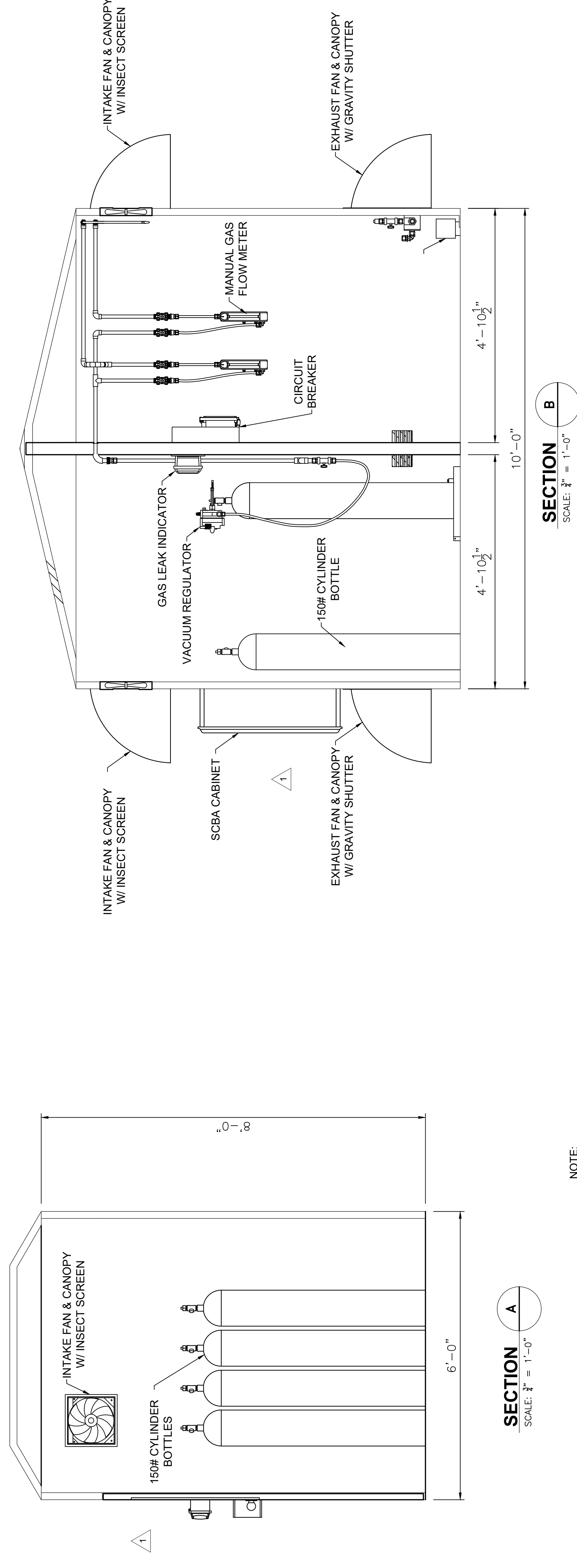


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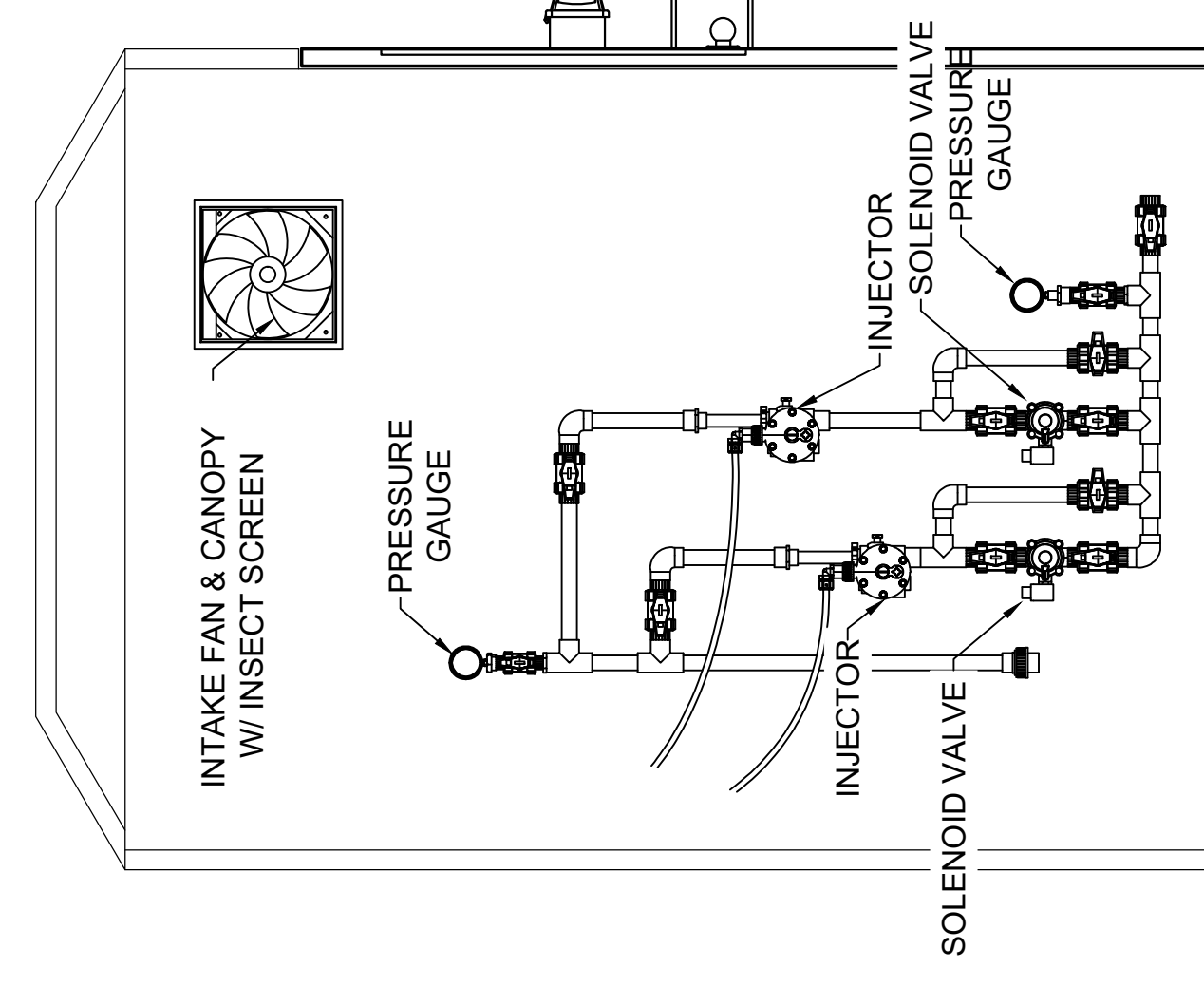
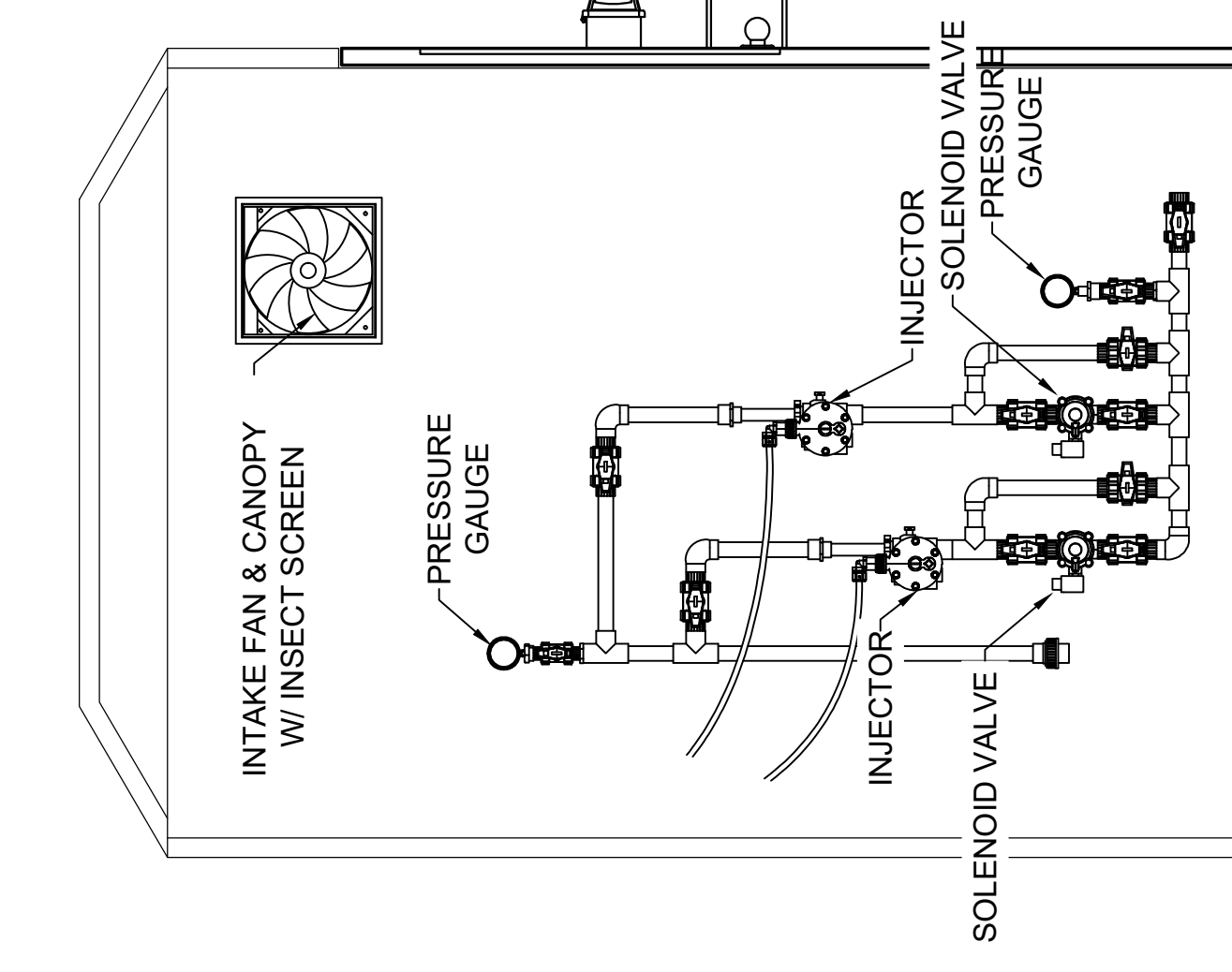
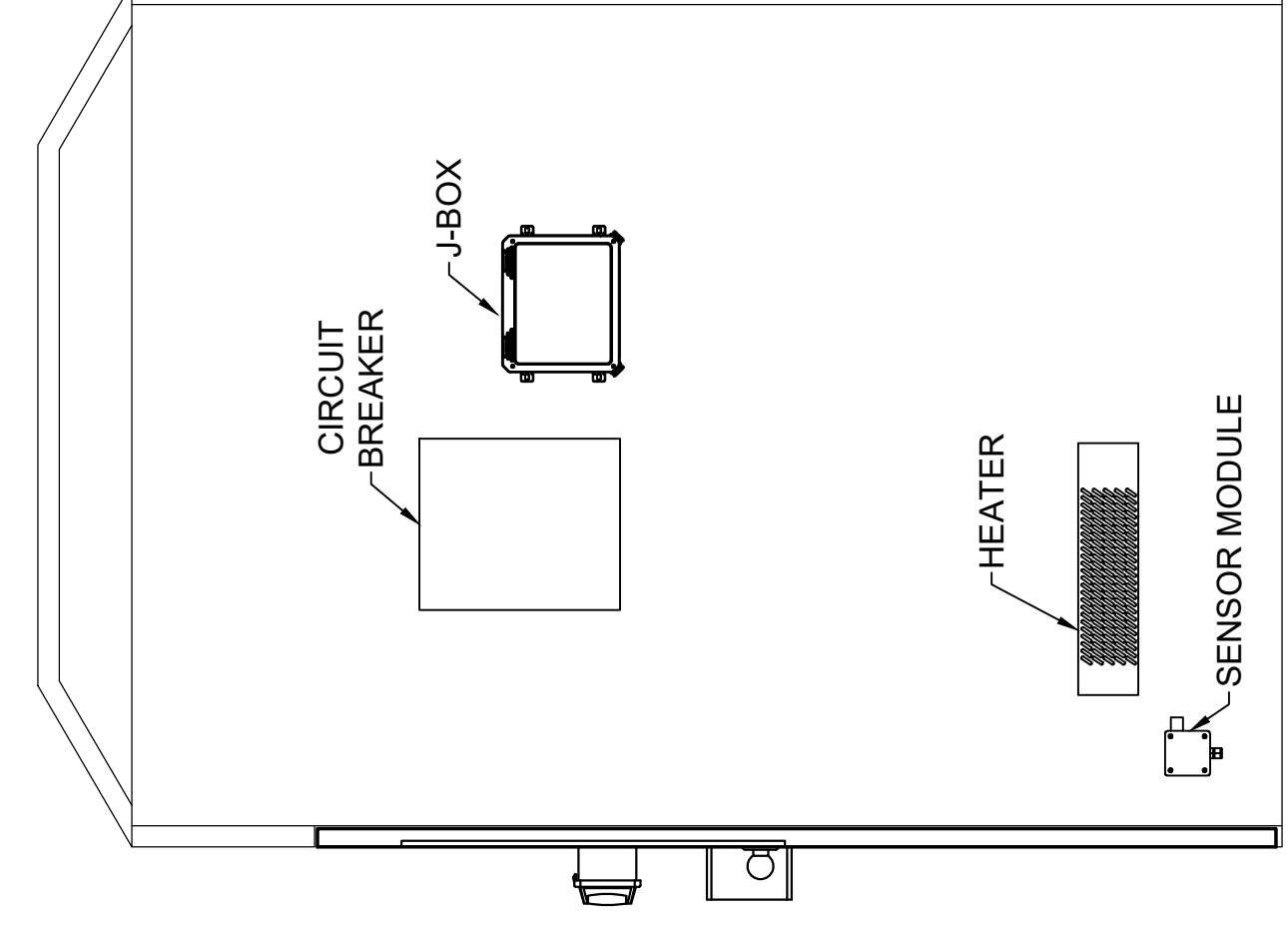
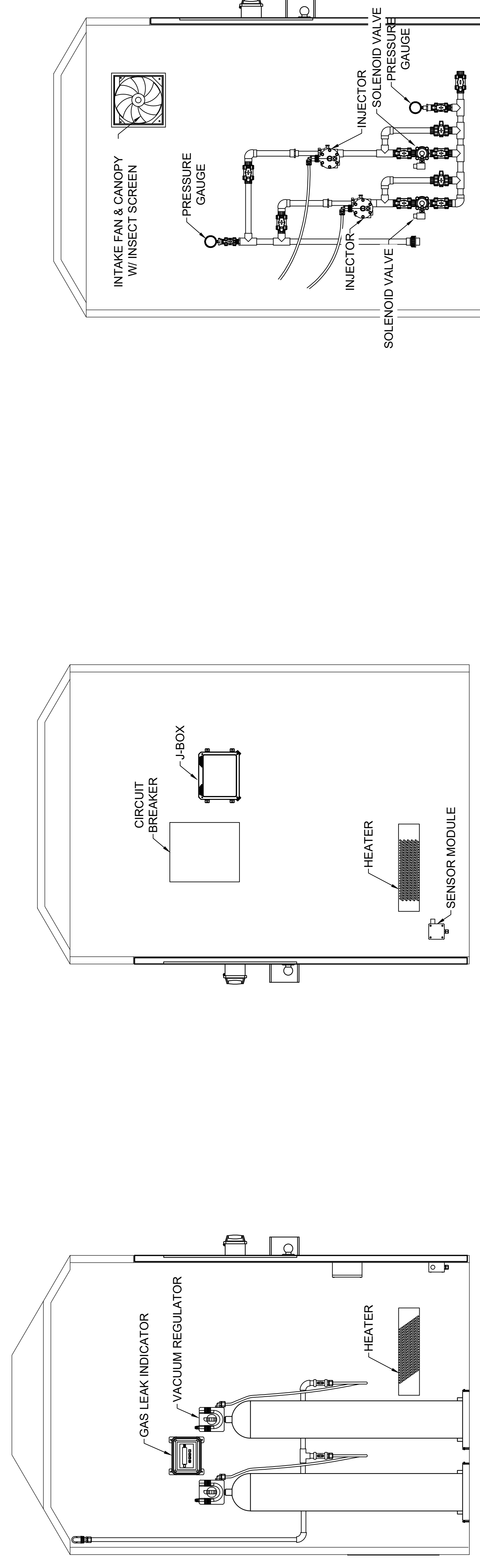
PROJECT NO. BWO-9021-25(017)

COUNTY HINDS

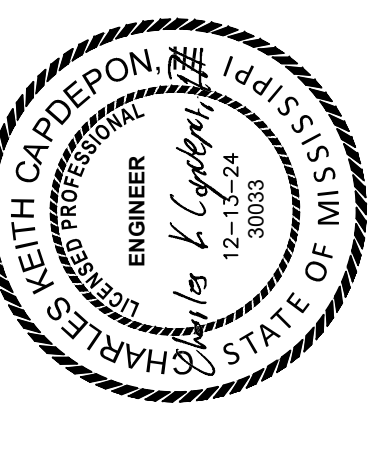
ADMINISTRATION BUILDING WATER WELL UPGRADES
401 North West Street
Jackson, MS 39201



NOTE:
BOOSTER PUMP ROOM NOT SHOWN IN SECTION VIEWS FOR CLARITY



CONSTRUCTION DOCUMENTS



No.	Description	Date	Issued By
1	ADDENDUM 1	1/14/25	CPFL

DESIGNED BY: C.K.C.
 DETAILED BY: C.K.C.
 CHECKED BY: PFF
 DATE: 12.13.2024

CHLORINATION EQUIPMENT FRP SHELTER SECTIONS

Panel: HP-WELL
 Location: BOILER 1132
 Supply From: ATIS-WELL
 Mounting: Surface
 Enclosure: Type 1
 Volts/Ph/Wires: 480/277 Wye - 3Ø - 4W
 A.I.C. Rating: MILO
 Mains Type: MILO
 Mains: 225 A

CKT	Circuit	CB	PHASE A (VA)	PHASE B (VA)	PHASE C (VA)	CB	Circuit	CKT
1	DWBP-1	3P80 A	18927	14410	18927	3P100 A	WELL PUMP	2
3	--	--	--	14410	18927	--	--	4
5	--	--	--	--	18927	--	--	6
7	T-WELL	2P100 A	15780	--	15392	--	--	8
9	--	--	--	--	--	--	--	10
11	--	--	--	--	--	--	--	12
13	--	--	--	--	--	--	--	14
15	--	--	--	--	--	--	--	16
17	--	--	--	--	--	--	--	18
19	--	--	--	--	--	--	--	20
21	--	--	--	--	--	--	--	22
23	--	--	--	--	--	--	--	24
25	--	--	--	--	--	--	--	26
27	--	--	--	--	--	--	--	28
29	--	--	--	--	--	--	--	30
Total Load:			49118 VA	48730 VA	33338 VA			
Total Amps:			186 A	184 A	120 A			

Panel Totals
 Total Conn. Load: 131165 VA
 Total Est. Demand: 87866 VA
 Total Conn. Current: 156 A
 Total Est. Demand Current: 106 A

Load Classification	Connected Load	Demand Factor	Estimated Demand
HVAC	108 VA	65.00%	70471 VA
Lighting	108417 VA	125.00%	135 VA
Power	20800 VA	74.04%	15400 VA
Receptacle	1860 VA	100.00%	1860 VA

Panel: LP-WELL
 Location: BOILER 1132
 Supply From: T-WELL
 Mounting: Surface
 Enclosure: Type 1
 Volts/Ph/Wires: 120/240 Single - 1Ø - 3W
 A.I.C. Rating: SEE SCHEDULE
 Mains Type: MCB
 Mains: 125 A

CKT	Circuit	CB	A	B	CB	Circuit	CKT
1	Receptacle	1P20 A	180	2520	2P30 A	UH-1	2
3	EF-1	1P20 A	180	864	2520	--	4
5	Receptacle	1P20 A	180	500	1P20 A	GEN BATTERY...	6
7	GEN JACKET HEATER	1P20 A	2000	1000	1P20 A	HEAT TAPE	8
9	HOT BOX	1P30 A	--	--	--	--	10
11	Lighting	1P20 A	108	--	--	--	12
13	--	--	--	--	--	--	14
15	--	--	--	--	--	--	16
17	--	--	--	--	--	--	18
19	--	--	--	--	--	--	20
21	--	--	--	--	--	--	22
23	--	--	--	--	--	--	24
25	--	--	--	--	--	--	26
27	--	--	--	--	--	--	28
29	--	--	--	--	--	--	30
Total Load:			5380 VA	4992 VA			
Total Amps:			45 A	42 A			
Total Load Connected to Feed Through Lugs:			10400 VA	10400 VA			
Total Amps:			87 A	87 A			
Total Load:			15780 VA	15392 VA			
Total Amps:			132 A	128 A			

Panel Totals
 Total Conn. Load: 31172 VA
 Total Est. Demand: 22858 VA
 Total Conn. Current: 130 A
 Total Est. Demand: 95 A

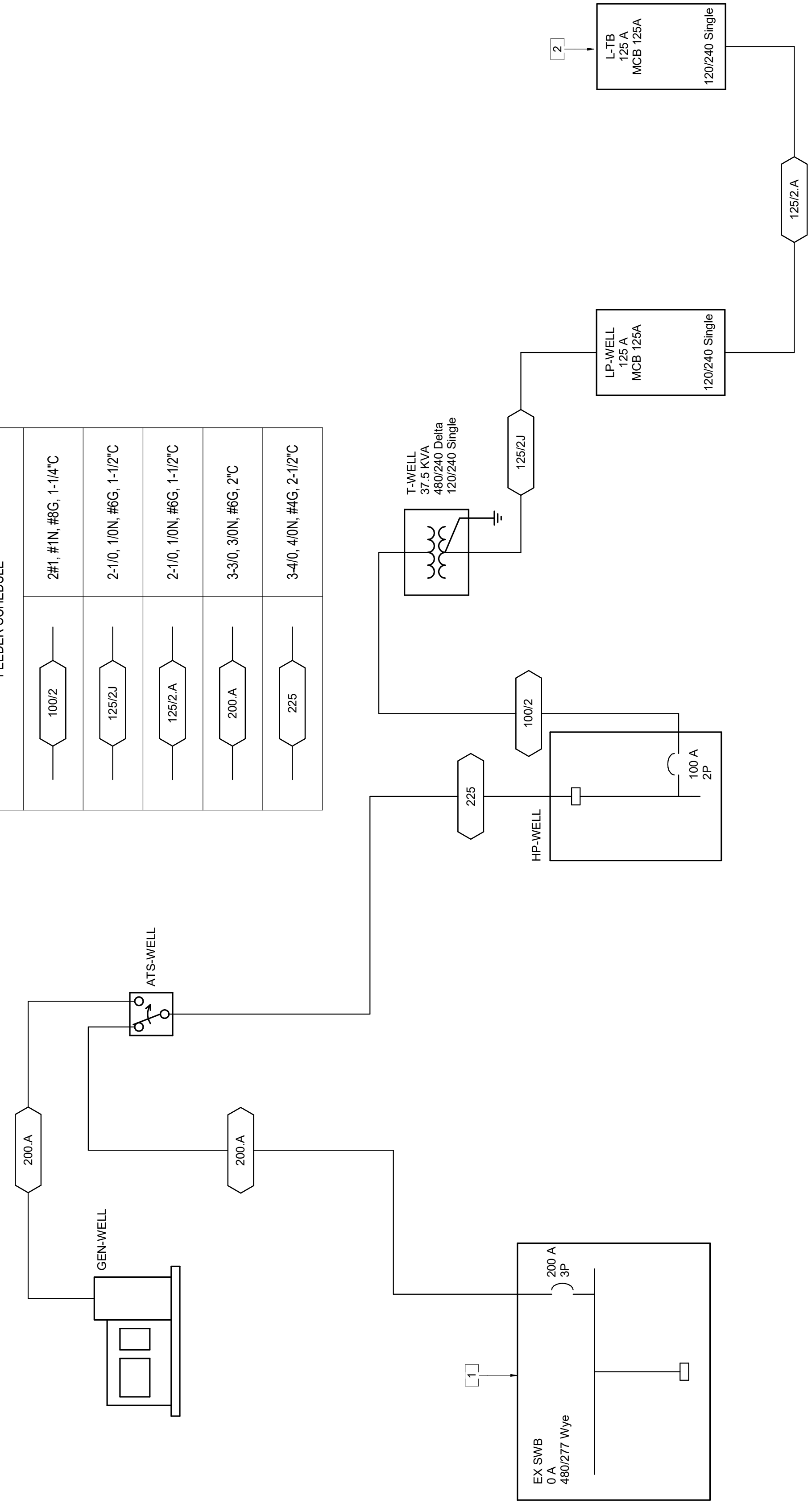
Load Classification	Connected Load	Demand Factor	Estimated Demand
HVAC	8404 VA	65.00%	5463 VA
Receptacle	1860 VA	100.00%	1860 VA

GENERAL NOTES:
 A. TYPICAL - COORDINATE ROUTING OF ALL EXPOSED CIRCUITS WITH OWNER PRIOR TO INSTALLATION.

Number Keynote	Description
1	EXISTING SWITCHBOARD. PROVIDE NEW BREAKER FOR FEED TO NEW ATS. UTILIZE EXISTING SPACE.
2	PANEL IS PART OF PREMANUFACTURED TREATMENT BUILDING. PROVIDE CONNECTION TO PANEL. COORDINATE FINAL CONNECTION WITH MANUFACTURER AND INSTALLER.

1

FEEDER SCHEDULE	
1000/2	2#1, #1N, #6G, 1-1/4" C
125/2J	2-1/0, 1/0N, #6G, 1-1/2" C
125/2 A	2-1/0, 1/0N, #6G, 1-1/2" C
200 A	3-3/0, 3/0N, #6G, 2" C
225	3-4/0, 4/0N, #4G, 2-1/2" C



POWER RISER
 1" = 1'-0"

M-Label	LOAD ID	Voltage	Number of Poles	MCA	MCCP	Panel	Circuit Number	Wire and Conduit size	Disconnect
M1	NOT USED	480 V	3	0 A	0 A	HP-WELL	1.3.5	3#2, #2N, #8G, 1-1/4" C	N/A
M2	DWBP-1	480 V	3	68 A	80 A	HP-WELL	2.4	2#10, #10N, #10G, 1-1/2" C	FACTORY MOUNTED VFD
M3	UH-1	240 V	2	21 A	30 A	LP-WELL	3	1#12, #12N, #12G, 1-1/2" C	MOTOR RATED TOGGLE
M4	EF-1	120 V	1	7 A	15 A	LP-WELL	2.4.6	3#1, #1N, #8G, 1-1/2" C	MOTOR RATED TOGGLE
M5	WELL_PUMP	480 V	3	52 A	100 A	HP-WELL			MECH PROVIDED VFD

1

Type	Voltage	Load	Manufacturer	Series	Description	Color Temp	Lumens	CRI	Finish Color	Accessories
A	120 V	36 VA	HE Williams	76R - 4'	76R ROUND LENS LED STRIP	40 K	5200 lm	80	White	18-48" CHAIN HUNG.



CONSTRUCTION DOCUMENTS



No.	Description	Date	Issued By
1	ADDENDUM 1	1/14/25	CCFL

DESIGNED BY:	CAMPBELL
DETAILED BY:	CAMPBELL
CHECKED BY:	CAMPBELL
DATE:	12.16.2024

POWER RISER AND SCHEDULES

STRUCTURAL GENERAL NOTES

GENERAL NOTES:

- CONTRACT DOCUMENTS
 - THESE NOTES ARE NOT INTENDED TO REPLACE THE PROJECT SPECIFICATIONS.
 - THE STRUCTURAL DRAWINGS ARE PART OF THE CONTRACT DOCUMENTS AND DO NOT BY THEMSELVES PROVIDE ALL THE INFORMATION REQUIRED TO PROPERLY CONSTRUCT THE PROJECT. THE CONTRACTOR SHALL CONSULT THE ARCHITECTURAL, CIVIL, MECHANICAL AND ELECTRICAL DRAWINGS AND COORDINATE THE INFORMATION CONTAINED IN THESE DRAWINGS WITH THE STRUCTURAL DRAWINGS TO PROPERLY CONSTRUCT THE PROJECT.
 - REFER TO ARCHITECTURAL, MECHANICAL AND ELECTRICAL DRAWINGS FOR ADDITIONAL OPENINGS, DEPRESSIONS, FINISHES, INSERT BOLTS SETTINGS, DRAINS, REGLETS, ETC. NOT SHOWN ON THE STRUCTURAL DRAWINGS.
 - BEFORE ORDERING ANY MATERIALS OR PERFORMING ANY WORK, THE CONTRACTOR SHALL VERIFY THAT ALL MATERIALS AND METHODS OF CONSTRUCTION WORK, NO EXTRA CHARGE OR COMPENSATION WILL BE ALLOWED BY THE OWNER RESULTING FROM THE CONTRACTOR'S FAILURE TO COMPLY WITH THIS REQUIREMENT.
 - DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT AND ENGINEER BEFORE PROCEEDING WITH AFFECTED WORK.
 - THE ENGINEER HAS PREPARED AND FURNISHED THESE CONTRACT DOCUMENTS TO THE OWNER FOR USE ON THIS PROJECT ONLY. THESE PROJECT DOCUMENTS SHALL NOT BE USED ON EXTENSIONS OF THIS PROJECT OR ANY OTHER PROJECT. ANY REUSE OF THESE PROJECT DOCUMENTS WITHOUT THE WRITTEN CONSENT OF THE ENGINEER SHALL BE AT THE USER'S SOLE RISK AND THE USER SHALL INDEMNIFY AND HOLD HARMLESS THE ENGINEER FROM ALL CLAIMS, DAMAGES, LOSSES AND EXPENSES, INCLUDING ATTORNEY'S FEES ARISING OUT OF OR RESULTING THEREFROM.
- SECTIONS AND DETAILS - ALL DETAILS, SECTIONS AND NOTES SHOWN ON THE DRAWINGS ARE INTENDED TO BE TYPICAL AND SHALL APPLY TO SIMILAR SITUATIONS ELSEWHERE UNLESS OTHERWISE SHOWN.
- COORDINATION
 - THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS SHOWN WITH ARCHITECTURAL DRAWINGS BEFORE BEGINNING WORK. ANY DISCREPANCY SHALL BE IMMEDIATELY REPORTED TO THE ARCHITECT AND WORK SHALL NOT BEGIN UNTIL DISCREPANCY IS RESOLVED.
 - THE CONTRACTOR SHALL REFER TO THE ARCHITECTURAL DRAWINGS FOR ANY DIMENSIONS NOT SHOWN ON STRUCTURAL DRAWINGS.
 - IT IS EXPECTED THAT THE GENERAL CONTRACTOR IS EXPERIENCED IN THE TYPE OF WORK REFERENCED IN THESE DRAWINGS. THE CONTRACTOR SHALL COORDINATE THESE DRAWINGS WITH APPLICABLE ARCHITECTURAL, CIVIL AND MEP DRAWINGS. THE CONSTRUCTION DOCUMENTS CONSIST OF THE ENTIRE SET OF DRAWINGS AND SPECIFICATIONS FROM ALL DISCIPLINES. THE ABOVE REFERENCED COORDINATION SHALL BE PERFORMED PRIOR TO ORDERING, FABRICATING AND CONSTRUCTION OF ANY ELEMENTS. IN THE EVENT OF ANY CONFLICT OR OMISSION, WORK SHALL NOT BEGIN UNTIL DISCREPANCY IS RESOLVED.

DESIGN CRITERIA:

- GENERAL BUILDING CODE: INTERNATIONAL BUILDING CODE, 2018 EDITION
 - OTHER CODES AND STANDARDS REFERENCED IN THE IBC '18 AND IN THE STRUCTURAL DRAWINGS SHALL BE CONSIDERED PART OF THE REQUIREMENTS OF THE CONTRACT DOCUMENTS TO THE PRESCRIBED EXTENT OF EACH REFERENCE.
- DEAD LOADS:
 - SELF WEIGHT OF STRUCTURE 3.8 K
 - MECH GENERATOR 20 PSF
- LIVE LOADS:
 - ROOF 20 PSF
- THE GENERAL CONTRACTOR SHALL SUBMIT ACTUAL WEIGHTS OF MECHANICAL EQUIPMENT TO BE USED IN THE PROJECT TO THE STRUCTURAL ENGINEER FOR VERIFICATION OF LOADS USED IN THE DESIGN AT LEAST THREE WEEKS PRIOR TO FABRICATION AND CONSTRUCTION OF THE SUPPORTING STRUCTURE.

EXISTING CONDITIONS:

- ALL DIMENSIONS, ELEVATIONS AND EXISTING CONDITIONS SHALL BE FIELD VERIFIED BY CONTRACTOR PRIOR TO FABRICATION OF STEEL OR COMMENCEMENT OF CONSTRUCTION
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTION, SHORING, UNDERPINNING, BRACING, ISOLATION, ETC. OF ALL EXISTING CONDITIONS AS REQUIRED TO PREVENT ANY DISTURBANCE TO EXISTING CONDITIONS AS A RESULT OF THIS WORK.
- DURING CONSTRUCTION, PROTECT THE EXISTING ROOF FROM EXCESSIVE WEAR AND TRAFFIC TO PREVENT DAMAGE AT ALL PENETRATIONS ON THE EXISTING ROOF. COORDINATE WITH THE ROOFING MANUFACTURER TO MAINTAIN THE INTEGRITY OF THE SYSTEM AND THE EXISTING ROOF WARRANTY.

FOUNDATION:

- THE FOUNDATION DESIGN IS BASED UPON THE REPORT OF GEOTECHNICAL EXPLORATION FOR PROPOSED WATER STORAGE TANK MISSISSIPPI DEPARTMENT OF TRANSPORTATION (MDOT) MIDOT ADMINISTRATION BUILDING IN HINDS COUNTY, MS BY BURNS COOLEY DENNIS, INC. DATED DECEMBER 4TH, 2024.
- FOUNDATION TYPE ALLOWABLE SOIL BEARING PRESSURE
SPREAD FOOTINGS & WIDENED GRADE BEAMS..... 2,000 PSF
GRADE BEAMS & STRIP FOOTINGS..... 2,000 PSF
- THE CONTRACTOR SHALL READ THE SOILS REPORT REFERENCED ABOVE AND THOROUGHLY FAMILIARIZE HIMSELF WITH ALL SITE AND SUBGRADE PREPARATION RECOMMENDATIONS CONTAINED THEREIN. ALL SITE PREPARATION AND EXCAVATION IS TO BE PERFORMED IN STRICT ACCORDANCE WITH THE RECOMMENDATIONS OF THE SOILS AND FOUNDATIONS INVESTIGATION.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTION, SHORING, UNDERPINNING, BRACING, ISOLATION, ETC. OF ALL EXISTING CONDITIONS AS REQUIRED TO PREVENT ANY DISTURBANCE TO EXISTING CONDITIONS AS A RESULT OF THIS WORK.

CONCRETE:

- ALL CONCRETE WORK SHALL CONFORM TO THE BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE (AC308-14) AND AS MODIFIED BY IBC '18.
- ALL CONCRETE SHALL ATTAIN A MINIMUM COMPRESSIVE STRENGTH OF 4,000 PSI IN 28 DAYS.
- PROVIDE ALL NECESSARY REINFORCING STEEL ACCESSORIES TO HOLD BARS IN PROPER POSITION.
- ALL REINFORCEMENT SHALL HAVE A MINIMUM YIELD STRESS OF 60 KSI.
- WHERE NOT SPECIFICALLY COVERED, REINFORCING SHALL BE DETAILED IN ACCORDANCE WITH ACI STANDARD 315.
- PROVIDE CORNER BARS OF THE SAME SIZE AND NUMBER AS HORIZONTAL BARS AT ALL CORNERS AND T-INTERSECTIONS.
- UNLESS NOTED OTHERWISE, LAP ALL BARS AT CORNERS, SPLICES, AND INTERSECTIONS IN ACCORDANCE WITH CURRENT ACI 318 AND CRSI REQUIREMENTS. ALL HOOKS SHOWN IN REINFORCEMENT SHALL BE CRSI RECOMMENDED HOOKS UNLESS NOTED OTHERWISE.
- FIELD WELDING OF REINFORCEMENT IS PROHIBITED, UNLESS SPECIFICALLY DETAILED ON DRAWINGS.
- SUBMIT REINFORCING SHOP DRAWINGS FOR APPROVAL PRIOR TO FABRICATION.
- CONCRETE REINFORCING LAP LENGTHS SHALL BE AS FOLLOWS:

BAR SIZE	TOP	OTHER
#3	2'-0"	1'-7"
#4	2'-6"	2'-1"
#5	3'-4"	2'-7"
#6	4'-0"	3'-1"
#7	5'-10"	4'-6"
#8	6'-8"	5'-2"

STRUCTURAL STEEL:

- ALL STRUCTURAL STEEL SHALL BE FABRICATED AND ERRECTED IN ACCORDANCE WITH THE LATEST AISC CODE.
- ALL SHOP AND FIELD WELDING SHALL BE PERFORMED BY WELDERS QUALIFIED, AS DESCRIBED IN "AMERICAN WELDING SOCIETY'S STANDARD QUALIFICATION PROCEDURE" (AWS D1.1), TO PERFORM THE TYPE OF WORK REQUIRED.
- ALL WELDING RODS SHALL BE E70XX ELECTRODES.
- ALL CONNECTIONS SHALL BE BOLTED WITH A325-HIGH STRENGTH BOLTS OR WELDED (UNLESS SHOWN OTHERWISE ON THE DRAWINGS).
- ALL WIDE FLANGE AND WT SHAPES SHALL BE ASTM A992.
- ALL HSS SHAPES SHALL BE ASTM A500, GRADE B (F_y = 46 KSI).
- ALL THREADED RODS SHALL BE ASTM A193 GRADE B.
- ALL PIPE SHALL BE ASTM A53 GRADE B OR A507.
- STEEL CHANNELS, PLATES & ANGLES SHALL BE ASTM A36 OR BETTER.
- CONNECTIONS NOT SPECIFICALLY DETAILED SHALL BE OF SUFFICIENT CAPACITY TO FULLY DEVELOP THE CONNECTED MEMBERS.
- ALL EXTERIOR STRUCTURAL STEEL SHALL RECEIVE A HOT-DIP GALVANIZED FINISH. GALVANIZATION SHALL BE TOUCHED UP IN THE FIELD AT ALL FIELD CUT OR FIELD WELD LOCATIONS.

SHEET LIST	
SHEET	DESCRIPTION
S100	NOTES & PLAN
S101	DETAILS

ADMINISTRATION BUILDING WATER WELL UPGRADES
401 North West Street
Jackson, MS 39201



CONSTRUCTION DOCUMENTS

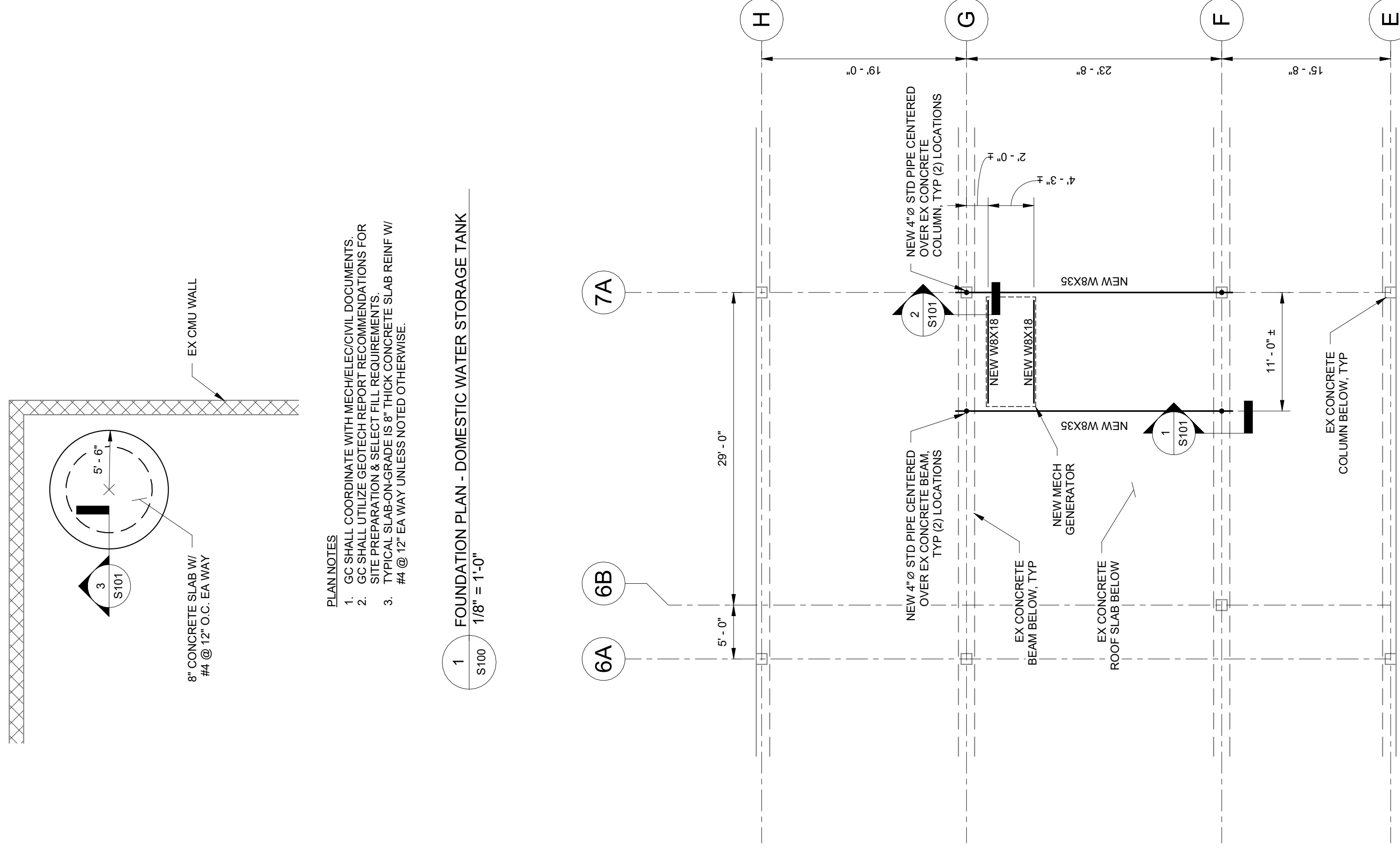


No.	Description	Date	Issued By
1	ADDENDUM 1	1/14/25	CPFL

DESIGNED BY: AM
 DETAILED BY: AM
 CHECKED BY: CAS
 DATE: 12/16/2024

NOTES & PLAN

- FOUNDATION PLAN - DOMESTIC WATER STORAGE TANK
1/8" = 1'-0"
- EX ROOF FRAMING PLAN - MECH GENERATOR SUPPORT
1/8" = 1'-0"



PLAN NOTES

- GC SHALL COORDINATE WITH MECH/ELECTRICAL DOCUMENTS.
- LOCATIONS OF NEW STEEL FRAMING SHOWN ARE APPROXIMATE. CONTRACTOR COORDINATE LAYOUT OF NEW STEEL FRAMING WITH ACTUAL SIZE AND POSITION OF NEW MECH GENERATOR SO THAT THE NEW WF BEAMS ALIGN WITH UNIT CURB.
- DURING CONSTRUCTION, PROTECT THE EXISTING ROOF FROM EXCESSIVE WEAR AND TRAFFIC TO PREVENT DAMAGE AT ALL PENETRATIONS ON THE EXISTING ROOF. COORDINATE WITH THE ROOFING MANUFACTURER TO MAINTAIN THE INTEGRITY OF THE SYSTEM AND THE EXISTING ROOF WARRANTY.