



FAYETTEVILLE PUBLIC WORKS COMMISSION

PROCUREMENT DEPARTMENT

<https://www.faypwc.com/bids/>

Bid Addendum

PWC Number: PWC2425049

Bid Title: P.O.Hoffer Water Treatment Facility Glenville Lake Water Treatment Facility Post-Filter GAC Adsorption Facilities Contract No.67

Bid Opening Date and Time: January 27, 2026 @ 2:00 pm

Addendum Number: 2

Addendum Date: January 15, 2026

Procurement Advisor: *Shelby Lesane*
procurement@faypwc.com

1. Addenda acknowledgement is required within the IFB Bid Pricing Form.
2. The solicitation is hereby modified as follows:
 - M1.** Technical Specifications and Drawings: The technical specifications and drawings have been revised. Attached to this Addendum No. 2 includes the changes, additions, deletions, clarifications, etc. Bidders shall take note of these revisions and shall be taken into consideration and be included in their bid proposals.

Attachment:

Addendum No. 2 – Technical Specifications and Drawings

ADDENDUM NO. 2 – TECHNICAL SPECIFICATIONS AND DRAWINGS

Date: 01/15/2026

Project: P.O. Hoffer Water Treatment Facility and Glenville Lake
Water Treatment Facility – Post-Filter GAC Adsorption
Facilities – Contract No. 067

Owner: Fayetteville Public Works Commission (PWC)

Engineer: Hazen and Sawyer

To All Bidders:

Contractors submitting Proposals for the above-named Project shall take note of the following changes, additions, deletions, clarifications, etc., in the Contract Documents, which shall become part of and have precedence over anything contrarily shown or described in the Contract Documents, and all such shall be taken into consideration and be included in the Contractor's Bid Proposal.

All other general items, conditions, drawings, and specifications shall remain the same. Please acknowledge the receipt of Addendum No. 2 with the Bid Form.

Refer to the Attached Sheets.

The return receipt requested with the communication will be deemed evidence that the bidder has received this Addendum and has followed the instructions outlined herein. Please sign, date, clearly print company name, and email this sheet back to PWC at procurement@faypwc.com.

Company Name

Acknowledgement of Receipt

Date



D. Cory Hopkins
2026.01.15
13:59:17-05'00'

D. Cory Hopkins, PE
HAZEN AND SAWYER

**P.O. Hoffer Water Treatment Facility and Glenville Lake Water
Treatment Facility – Post-Filter GAC Adsorption Facilities – Contract No. 67**

Addendum No. 2

SPECIFICATIONS:

- 00 30 00 Revise the 'CERTIFIED LIST OF MAJOR EQUIPMENT/MATERIAL MANUFACTURERS' for Section Number 46 61 19 to reflect the Acceptable Manufacturer list in 46 61 19 2.01.A. No new manufacturers have been added.

- 00 11 00 Delete items 2 – 7 in the list provided in 1.09.A.

- 46 41 17 Revise 2.02 B to read as follows: Mixing shall be by stationary, rigid elements arranged to split and recombine streams. Mixing elements shall be constructed of grade 316L stainless steel.

DRAWINGS:

- E101 Revised Enlarged Floor Plan to remove AIT-35146, as shown in **Attachment #1.**

- E102 Revised Section B to remove AIT-35146, as shown in **Attachment #2.**

- E103 Revised Existing Panel 1 schedule to remove AIT-35146 from circuit 17, as shown in **Attachment #3.**

- E103 Revised Instrument Riser Diagram to remove AIT-35146 and reconnecting AE-35146 to AIT-35143, as shown in **Attachment #4.**

- E103 Revised Instrument Riser Diagram to remove AIT-33151 and AE-33151, as shown in **Attachment #5.**

- E104 Revised Power and Instrument conduit and wire schedules to remove AIT-35146 and AE-35146 from conduit numbers P-100-007, P-100-012, I-100-009, I-100-016, I-100-017 and revised I-100-010 to show AE-35146 connected to AIT-35143, as shown in **Attachment #6.**

- E210 Revised SWBD-POH-GAC single line diagram - Updated GAC backwash and feed pump horsepower. Revised conduits from GAC backwash and feed pump VFDs to the control pull box. Added GAC backwash and feed pump RTDs from VFDs to motors, as shown in **Attachment #7.**

- E211 Revised SWBD-POH-GAC single line diagram – Updated GAC backwash and feed pump horsepower. Revised conduits from GAC backwash and feed pump

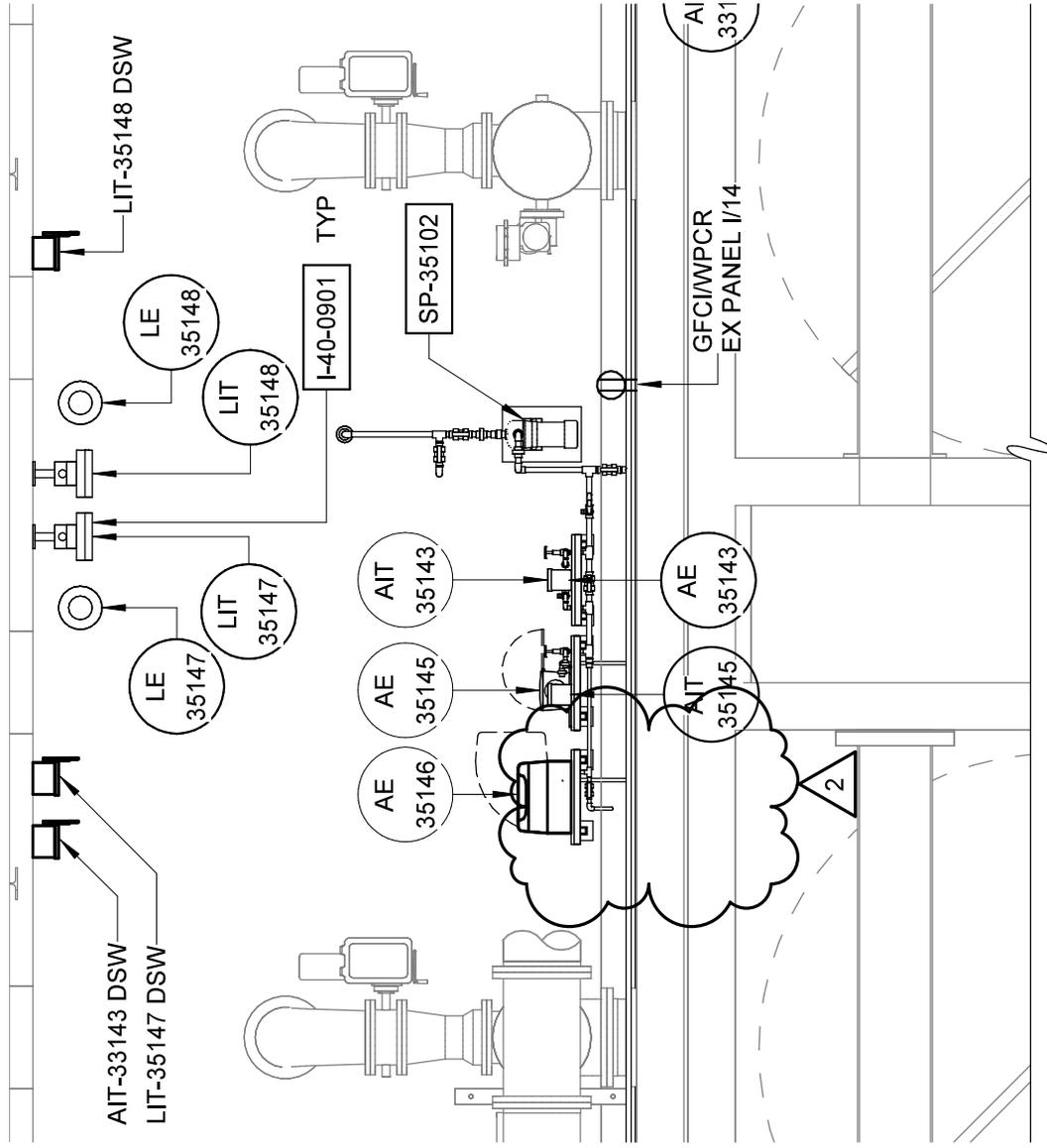
VFDs to the control pull box. Added GAC backwash and feed pump RTDs from VFDs to motors, as shown in **Attachment #8**.

- E212 Revised Packaged AHU circuit breakers in panelboard PP-POH-GAC-3, as shown in **Attachment #9**.
- E227 Revised conduit and wire schedule, as shown in **Attachment #10**.
- E452 Revised SWBD-GL-GAC single line diagram - Updated GAC backwash and feed pump horsepower. Revised conduits from GAC backwash and feed pump VFDs to the control pull box. Added GAC backwash and feed pump RTDs from VFDs to motors, as shown in **Attachment #11**.
- E452 Revised SWBD-GL-GAC single line diagram - Updated GAC backwash and feed pump horsepower. Revised conduits from GAC backwash and feed pump VFDs to the control pull box. Added GAC backwash and feed pump RTDs from VFD to motors, as shown in **Attachment #12**.
- E455 Revised conduit and wire schedule, as shown in **Attachment #13**.
- E456 Revised conduit and wire schedule, as shown in **Attachment #14**.
- E456 Revised conduit and wire schedule, as shown in **Attachment #15**.
- H02 Revised DRG schedule to include updated supply air grille sizes. Revised Air Flow Diagram to reflect the updated CFMs, as shown in **Attachment #16**.
- H03 Revised Packaged AHU schedule to reflect the updated air handler selection, as shown in **Attachment #17**.
- H05 Revised DRG schedule to include updated supply air grille sizes. Revised Air Flow Diagram to reflect the updated CFMs, as shown in **Attachment #18**.
- H06 Revised Packaged AHU schedule to reflect the updated air handler selection, as shown in **Attachment #19**.
- H200 Revised AHU-200-1/AHU-200-2 unit dimensions, and supply & return air ductwork sizes. Revised supply air grille sizes in the electrical room, as shown in HVAC BOTTOM PLAN, included in **Attachment #20**.
- H201 Revised AHU-200-1/AHU-200-2 unit dimensions, and supply & return air ductwork sizes, as shown in HVAC INTERMEDIATE PLAN, included in **Attachment #21**.
- H450 Revised AHU-450-1/AHU-450-2 unit dimensions, and supply & return air ductwork sizes. Revised supply air grille sizes in the electrical building, as shown in HVAC TOP PLAN, included in **Attachment #22**.
- H451 Revised AHU-450-1/AHU-450-2 unit dimensions, and supply & return air ductwork sizes, as shown in HVAC ROOF PLAN, included in **Attachment #23**.

I401 Revised SP-33102 location to accurately show sample port before chemical vault injection, included in **Attachment #24**.

ATTACHMENTS:

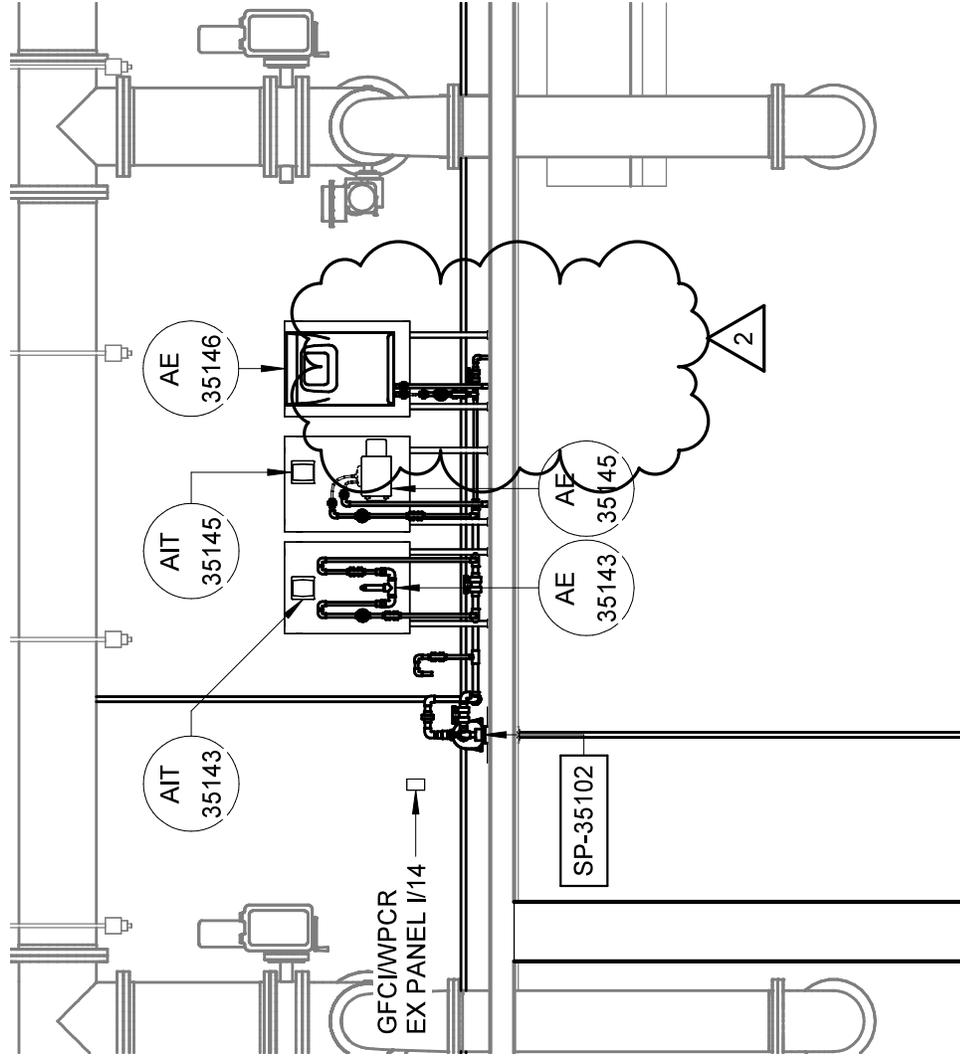
- Attachment #1: E101 – Revised Enlarged Top Plan
- Attachment #2: E102 – Revised Section B
- Attachment #3: E103 – Revised Existing Panel 1
- Attachment #4: E103 – Revised Instrument Riser Diagram
- Attachment #5: E103 – Revised Instrument Riser Diagram
- Attachment #6: E104 – Revised Conduit and Wire Schedules
- Attachment #7: E210 – Revised SWBD-POH-GAC single line diagram
- Attachment #8: E211 – Revised SWBD-POH-GAC single line diagram
- Attachment #9: E212 – Revised panelboard PP-POH-GAC-3 panel schedule
- Attachment #10: E227 – Revised conduit and wire schedule
- Attachment #11: E452 – Revised SWBD-GL-GAC single line diagram
- Attachment #12: E452 – Revised SWBD-GL-GAC single line diagram
- Attachment #13: E455 – Revised conduit and wire schedule
- Attachment #14: E456 – Revised conduit and wire schedule
- Attachment #15: E456 – Revised conduit and wire schedule
- Attachment #16: H002 – Revised DRG Schedule and Air Flow Diagram
- Attachment #17: H003 – Revised Packaged AHU Schedule
- Attachment #18: H005 – Revised DRG Schedule and Air Flow Diagram
- Attachment #19: H006 – Revised Packaged AHU Schedule
- Attachment #20: H200 – Revised AHU-200-1/AHU-200-2 dimensions, Ductwork sizing, and Grille sizing
- Attachment #21: H201 – Revised AHU-200-1/AHU-200-2 dimensions, and Ductwork sizing
- Attachment #22: H450 – Revised AHU-450-1/AHU-450-2 dimensions, Ductwork sizing, and Grille sizing
- Attachment #23: H451 – Revised AHU-450-1/AHU-450-2 dimensions, and Ductwork sizing
- Attachment #24: I401 – Revised SP-33102 location



ENLARGED TOP PLAN

1/4" = 1'-0"

ADDENDUM NO. 002	DATE 01/2026	PUBLIC WORKS COMMISSION CITY OF FAYETTEVILLE, NORTH CAROLINA	HAZEN JOB NUMBER 30402-067	REFER TO CONTRACT DRAWING NUMBER E101
ATTACHMENT NO. 1	BY DCH	GLENVILLE LAKE AND P.O. HOFFER WATER TREATMENT FACILITY POST FILTER GAC ADSORPTION FACILITIES	CONTRACT NUMBER 67	SHEET 1 OF 1



SECTION B
 1/4" = 1'-0"
 E101

ADDENDUM NO. 002	DATE 01/2026	PUBLIC WORKS COMMISSION CITY OF FAYETTEVILLE, NORTH CAROLINA	HAZEN JOB NUMBER 30402-067	REFER TO CONTRACT DRAWING NUMBER E102
ATTACHMENT NO. 2	BY DCH	GLENVILLE LAKE AND P.O. HOFFER WATER TREATMENT FACILITY POST FILTER GAC ADSORPTION FACILITIES	CONTRACT NUMBER 67	SHEET 1 OF 1

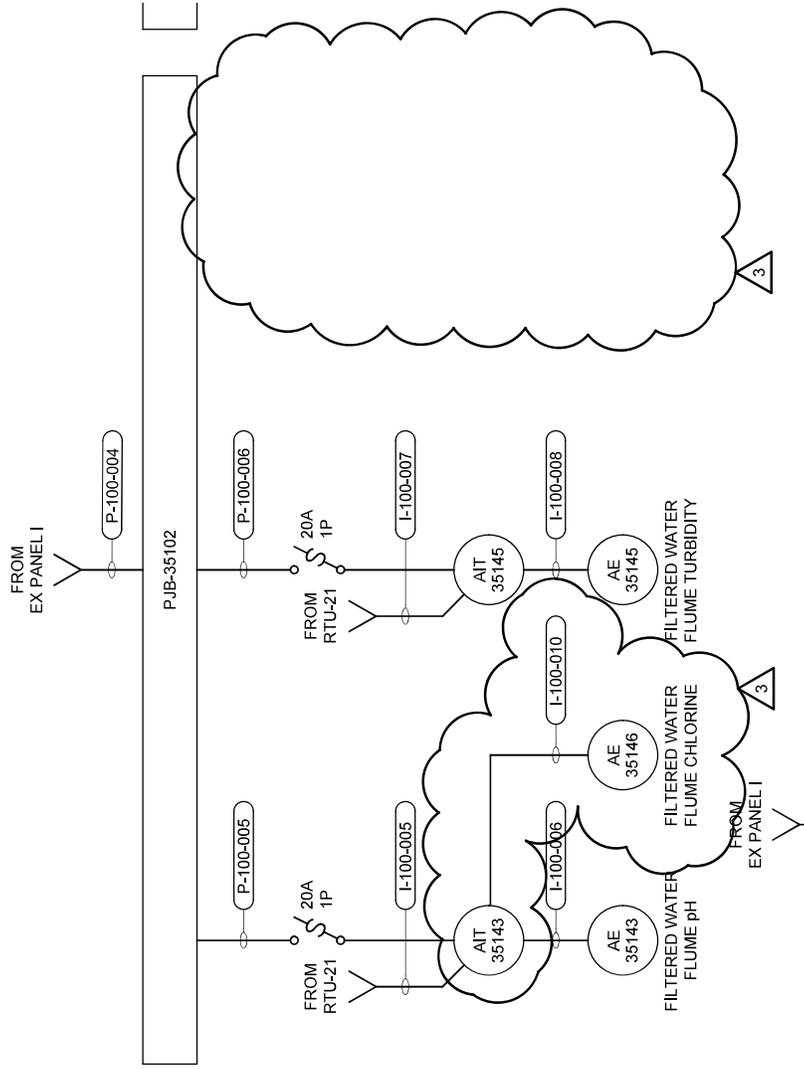
240/120V, 3P, 4W 100A BUS 10KA (MINIMUM)		HIGH LEG B LEG		EXISTING PANEL 1 MAIN BREAKER 20AF/100AT, 3P		TYPE: NEMA 1 MOUNT: SURFACE					
MODS	DESCRIPTION	CONDUIT & WIRE	TRIP	POLE	CKT No.	VOLT-AMPERES			CONDUIT & WIRE	DESCRIPTION	MODS
						A	B	C			
-	MAIN BREAKER	-	20	3	1	-	-	-	-	-	-
-	INFLUENT FILTER GATE 13	-	20	1	3	-	-	-	-	-	-
-	NOT USED	-	20	1	7	-	-	-	-	-	-
-	INFLUENT FILTER GATE 15	-	40	1	11	-	-	-	-	-	-
-	LIT-35147, LIT-35148	P-100-000	20	1	13	70	-	-	360	P-100-016	SAMPLE PUMP RECEPTACLES
-	AIT-35143, AIT-35145	P-100-004	20	1	17	70	-	-	-	-	NOT USED
-	NOT USED	-	-	1	21	-	-	-	-	-	NOT USED
-	SPACE	-	20	1	23	-	-	-	-	-	SPACE
-	SPACE	-	20	1	25	-	-	-	-	-	SPACE
-	NOT USED	-	-	1	27	-	-	-	-	-	NOT USED
-	SPACE	-	20	1	29	-	-	-	-	-	SPACE
-	NOT USED	-	20	1	31	-	-	-	-	-	NOT USED
-	SPACE	-	-	1	33	-	-	-	-	-	SPACE
-	SPACE	-	20	1	35	-	-	-	-	-	SPACE

TOTAL	175	0	0	70	
PHASE TOTAL (VA)		TOTAL LOAD (VA)		TOTAL	
535	0	0	605		
PHASE TOTAL (A)		TOTAL LOAD (A)			
4	0	0	1		

MODIFICATION (MODS) LEGEND:
 GFCI - GROUND FAULT CIRCUIT INTERRUPTER (5mA)
 EPD - EQUIPMENT PROTECTION DEVICE (30mA GFCI)
 LOD - LOCK-ON DEVICE
 LFD - LOCK-OFF DEVICE
 ETU - ELECTRONIC TRIP UNIT

NOTES/ACCESSORIES:
 LTG/RECP CIRCUITS (WHERE NOTED ABOVE):
 A: 2#12, #12GND, 3/4"C
 B: 3#12, #12GND, 3/4"C
 C: 2#10, #10GND, 3/4"C

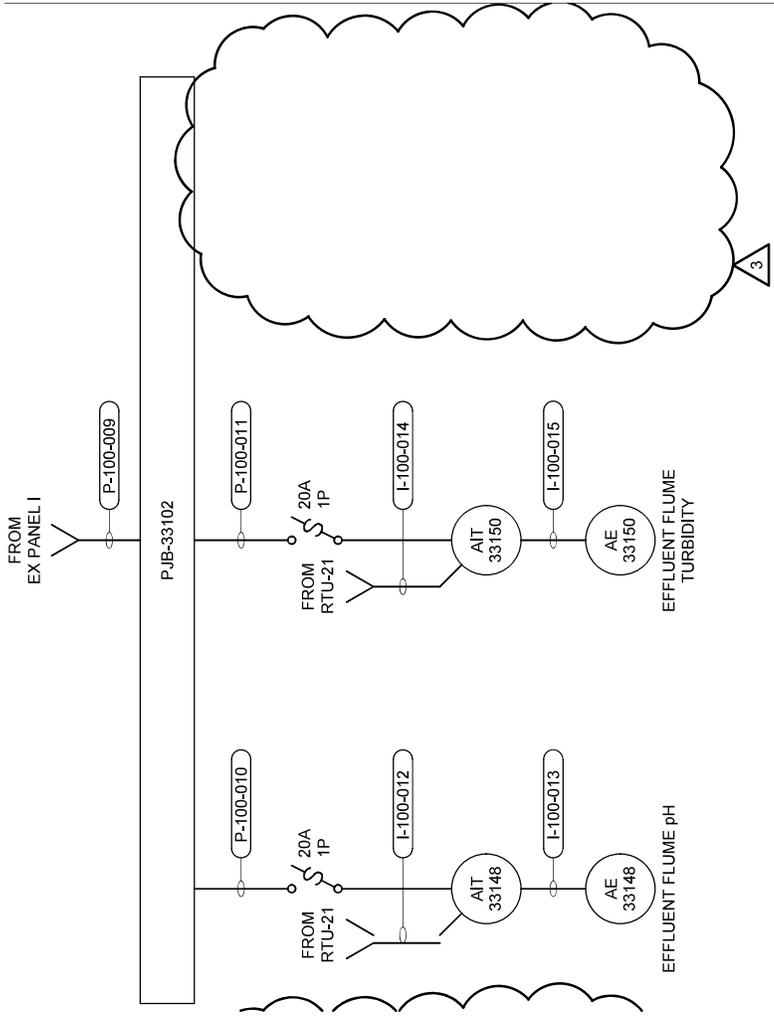
ATTACHMENT NO. 4	BY DCH	GLENVILLE LAKE AND P.O. HOFFER WATER TREATMENT FACILITY POST FILTER GAC ADSORPTION FACILITIES	CONTRACT NUMBER 67	SHEET 2 OF 3
ADDENDA NO. 002	DATE 01/2026	CITY OF FAYETTEVILLE, NORTH CAROLINA PUBLIC WORKS COMMISSION	HAZEN JOB NUMBER 30402-067	REFER TO CONTRACT DRAWING NUMBER E103



INSTRUMENTS

RISER DIAGRAM

ATTACHMENT NO. 5	BY DCH	GLENVILLE LAKE AND P.O. HOFFER WATER TREATMENT FACILITIES	CONTRACT NUMBER 67	SHEET 3 OF 3
ADDENDA NO. 002	DATE 01/2026	CITY OF FAYETTEVILLE, NORTH CAROLINA	HAZEN JOB NUMBER 30402-067	REFER TO CONTRACT DRAWING NUMBER E103

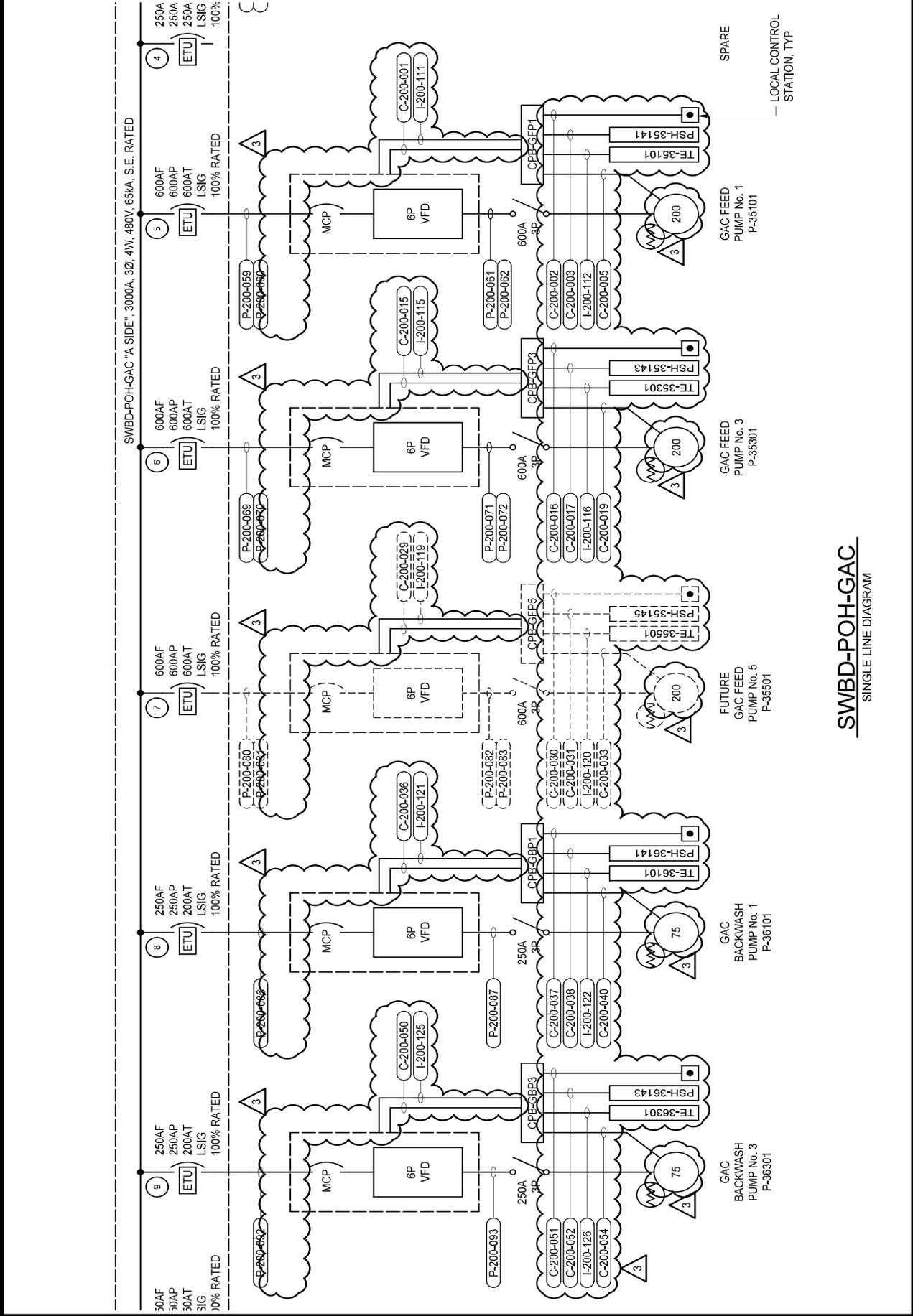


INSTRUMENTS
RISER DIAGRAM

P-100-004	3/4"	EX. PANEL I	PJB-35102	2#12, #12 GND	VIA DISCONNECT SWITCH
P-100-005	3/4"	PJB-35102	AIT-35143	2#12, #12 GND	VIA DISCONNECT SWITCH
P-100-006	3/4"	PJB-35102	AIT-35143	2#12, #12 GND	VIA DISCONNECT SWITCH
P-100-007	3/4"	PJB-35102	AIT-35143	2#12, #12 GND	VIA DISCONNECT SWITCH
P-100-008	3/4"	PJB-35102	AIT-35143	2#12, #12 GND	VIA DISCONNECT SWITCH
P-100-009	3/4"	EX. PANEL I	PJB-33102	2#12, #12 GND	VIA DISCONNECT SWITCH
P-100-010	3/4"	PJB-33102	AIT-33148	2#12, #12 GND	VIA DISCONNECT SWITCH
P-100-011	3/4"	PJB-33102	AIT-33148	2#12, #12 GND	VIA DISCONNECT SWITCH
P-100-012	3/4"	PJB-33102	AIT-33148	2#12, #12 GND	VIA DISCONNECT SWITCH
P-100-013	3/4"	PJB-33102	AIT-33148	2#12, #12 GND	VIA DISCONNECT SWITCH
P-100-014	3/4"	EX. PANEL H2	MOV-35121	3#12, #12 GND	
P-100-015	3/4"	EX. PANEL I	PJB-P-33102 & P-35102	(2) #12, #12 GND	
P-100-016	3/4"	EX. PANEL I	PJB-P-33102 & P-35102	(2) #12, #12 GND	
P-100-017	3/4"	PJB-P-33102 & P-35102	RECEPTACLE FOR SAMPLE P-33102	(2) #12, #12 GND	
P-100-018	3/4"	PJB-P-33102 & P-35102	RECEPTACLE FOR SAMPLE P-35102	(2) #12, #12 GND	
P-100-019	3/4"	PJB-P-33102 & P-35102	RECEPTACLE FOR SAMPLE P-35102	(2) #12, #12 GND	

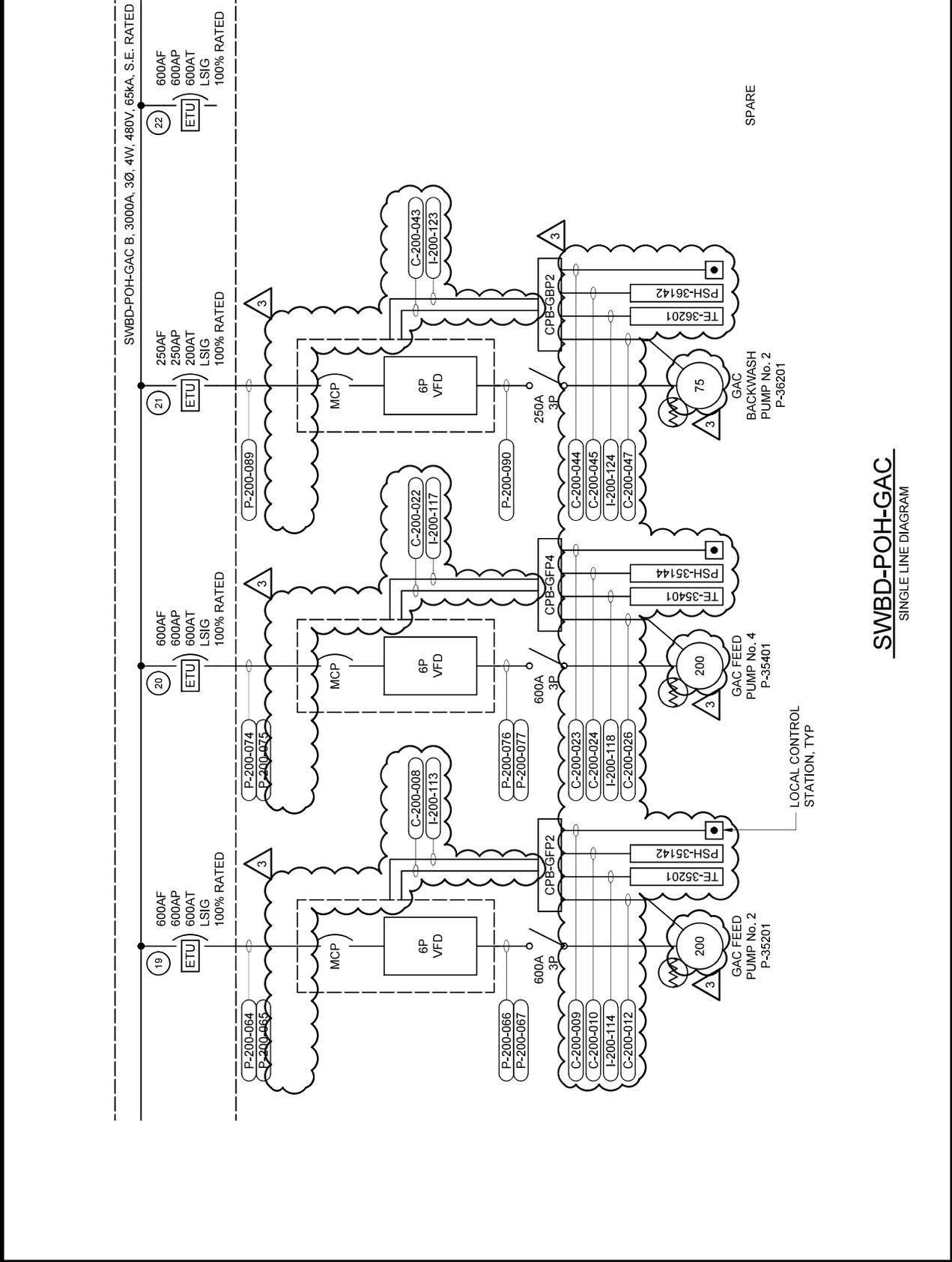
I-100-007	1"	RTU-21	AIT-35145	(2) #16/2TPS, #14 GND	VIA DISCONNECT SWITCH
I-100-008	3/4"	PJB-35102	AIT-35145	(2) #16/2TPS, #14 GND	VIA DISCONNECT SWITCH
I-100-009	3/4"	PJB-35102	AIT-35145	(2) #16/2TPS, #14 GND	VIA DISCONNECT SWITCH
I-100-010	3/4"	AIT-35143	AE-35146	(2) #16/2TPS, #14 GND	VIA DISCONNECT SWITCH
I-100-011	3/4"	AIT-35143	AE-35146	(2) #16/2TPS, #14 GND	VIA DISCONNECT SWITCH
I-100-012	1"	RTU-21	AIT-33148	(4) #16/2TPS, #14 GND	VIA DISCONNECT SWITCH
I-100-013	3/4"	AIT-33148	AE-33148	(2) #16/2TPS, #14 GND	VIA DISCONNECT SWITCH
I-100-014	1"	RTU-21	AIT-33150	(2) #16/2TPS, #14 GND	VIA DISCONNECT SWITCH
I-100-015	3/4"	PJB-35102	AIT-35145	(2) #16/2TPS, #14 GND	VIA DISCONNECT SWITCH
I-100-016	3/4"	PJB-35102	AIT-35145	(2) #16/2TPS, #14 GND	VIA DISCONNECT SWITCH
I-100-017	3/4"	PJB-35102	AIT-35145	(2) #16/2TPS, #14 GND	VIA DISCONNECT SWITCH
I-100-018	3/4"	PJB-35102	AIT-35145	(2) #16/2TPS, #14 GND	VIA DISCONNECT SWITCH
I-100-019	3/4"	PJB-35102	AIT-35145	(2) #16/2TPS, #14 GND	VIA DISCONNECT SWITCH

ATTACHMENT NO. 7	BY DCH	GLENVILLE LAKE AND P.O. HOFFER WATER TREATMENT FACILITIES
ADDENDA NO. 002	DATE 01/2026	CITY OF FAYETTEVILLE, NORTH CAROLINA
HAZEN JOB NUMBER 30402-067	REFER TO CONTRACT DRAWING NUMBER E210	CONTRACT NUMBER 67
SHEET 1 OF 1		



SWBD-POH-GAC
SINGLE LINE DIAGRAM

ATTACHMENT NO. 8	BY DCH	GLENVILLE LAKE AND P.O. HOFFER WATER TREATMENT FACILITY	SHEET 1 OF 1
ADDENDA NO. 002	DATE 01/2026	CITY OF FAYETTEVILLE, NORTH CAROLINA	CONTRACT NUMBER 30402-067
		PUBLIC WORKS COMMISSION	HAZEN JOB NUMBER 30402-067
			REFER TO CONTRACT DRAWING NUMBER E211



SWBD-POH-GAC
SINGLE LINE DIAGRAM

MODS	DESCRIPTION	CONDUIT & WIRE	TRIP	POLE	CTK No.	VOLT-AMPERES			MODS
						A	B	C	
-	AIR HANDLING UNIT AHU-200-1	-	50	3	2	-	-	-	-
-	EXHAUST FAN EF-200-1	-	20	3	4	-	-	-	-
-	EXHAUST FAN EF-200-3	-	20	3	6	-	-	-	-
-	EXHAUST FAN EF-200-5	-	20	3	8	1,079	-	-	-
-	EXHAUST FAN EF-200-7	-	20	3	10	1,079	1,079	-	-
-	EXHAUST FAN EF-200-9	-	20	3	12	1,079	1,079	-	-
-	SPARE	-	20	3	14	-	-	-	-
-	SPARE	-	20	3	16	-	-	-	-
-	SPARE	-	20	3	18	-	-	-	-
-	SPARE	-	20	3	20	-	-	-	-
-	SPARE	-	20	3	22	-	-	-	-
-	SPARE	-	20	3	24	-	-	-	-
-	SPARE	-	20	3	26	-	-	-	-
-	SPARE	-	20	3	28	-	-	-	-
-	SPARE	-	20	3	30	-	-	-	-
-	SPARE	-	20	3	32	-	-	-	-
-	SPARE	-	20	3	34	-	-	-	-
-	SPARE	-	20	3	36	-	-	-	-
-	SPARE	-	20	3	38	-	-	-	-
-	SPARE	-	20	3	40	-	-	-	-
-	SPARE	-	20	3	42	-	-	-	-
TOTAL						4,314	4,314	4,314	TOTAL
TOTAL LOAD (VA)						TOTAL LOAD (VA)			
						29,123			
TOTAL LOAD (A)						TOTAL LOAD (A)			
						35			

480/277V, 3P, 4W
 225A BUS
 35kA (MINIMUM)

PANEL PP-POH-GAC-3
 MAIN BREAKER WIETU (LSI)
 225AF/225AP/150AT, 3P

TYPE: NEMA 1
 MOUNT: SURFACE

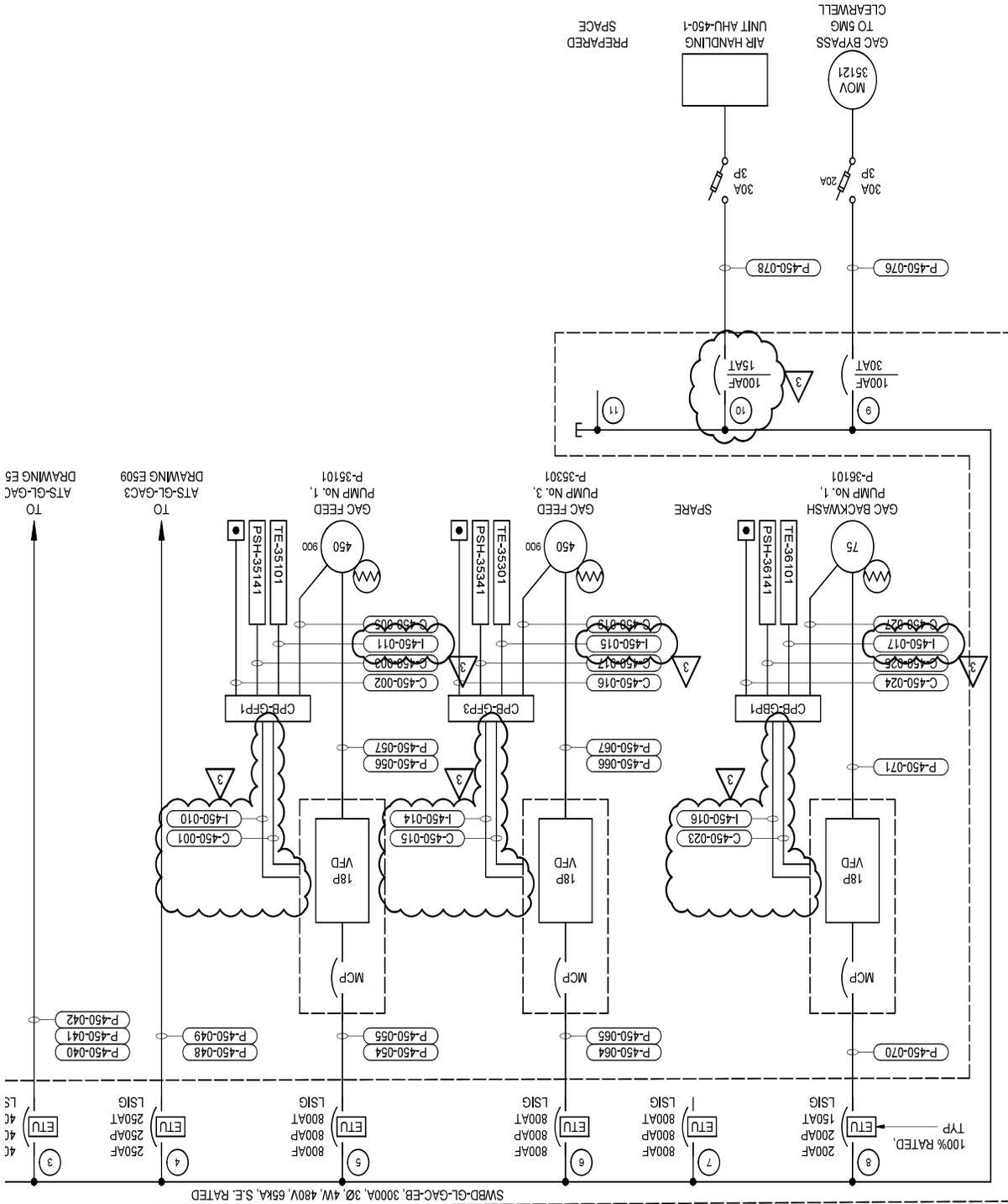
MODIFICATION (MODS) LEGEND:
 GFCI - GROUND FAULT CIRCUIT INTERRUPTER (5mA)
 EPD - EQUIPMENT PROTECTION DEVICE (30mA GFCI)
 LOD - LOCK-ON DEVICE
 LFD - LOCK-OFF DEVICE
 ETU - ELECTRONIC TRIP UNIT

NOTES/ACCESSORIES:
 100KA SPD
 FEED THRU LUGS

I-200-109	3/4"	LIT-93143	LIT-93143	VENDOR CABLE	BY MFR
I-200-110	2"	VFD-P-35101	CPB-GFP1	8(3C #16TSH), #14 GND	RTD CABLE
I-200-111	2"	CPB-GFP1	RTD-35101 (TE)	8(3C #16TSH), #14 GND	RTD CABLE
I-200-112	2"	VFD-P-35201	CPB-GFP2	8(3C #16TSH), #14 GND	RTD CABLE
I-200-113	2"	CPB-GFP2	RTD-35201 (TE)	8(3C #16TSH), #14 GND	RTD CABLE
I-200-114	2"	VFD-P-35301	CPB-GFP3	8(3C #16TSH), #14 GND	RTD CABLE
I-200-115	2"	CPB-GFP3	RTD-35301 (TE)	8(3C #16TSH), #14 GND	RTD CABLE
I-200-116	2"	VFD-P-35401	CPB-GFP4	8(3C #16TSH), #14 GND	RTD CABLE
I-200-117	2"	CPB-GFP4	RTD-35401 (TE)	8(3C #16TSH), #14 GND	RTD CABLE
I-200-118	2"	VFD-P-35501 (FUTURE)	CPB-GFP5 (FUTURE)	EMPTY WITH PULL STRING	RTD CABLE
I-200-119	2"	CPB-GFP5 (FUTURE)	RTD-35501 (TE) (FUTURE)	EMPTY WITH PULL STRING	RTD CABLE
I-200-120	2"	VFD-P-36101	CPB-GBP1	8(3C #16TSH), #14 GND	RTD CABLE
I-200-121	2"	CPB-GBP1	RTD-36101 (TE)	8(3C #16TSH), #14 GND	RTD CABLE
I-200-122	2"	VFD-P-36201	CPB-GBP2	8(3C #16TSH), #14 GND	RTD CABLE
I-200-123	2"	CPB-GBP2	RTD-36201 (TE)	8(3C #16TSH), #14 GND	RTD CABLE
I-200-124	2"	VFD-P-36301	CPB-GBP3	8(3C #16TSH), #14 GND	RTD CABLE
I-200-125	2"	CPB-GBP3	RTD-36301 (TE)	8(3C #16TSH), #14 GND	RTD CABLE
I-200-126	2"	RTU-21	VFD-P-35101	2 CAT 6, #14 GND	
I-200-127	1"	RTU-21	VFD-P-35201	2 CAT 6, #14 GND	
I-200-128	1"	RTU-21	VFD-P-35301	2 CAT 6, #14 GND	
I-200-129	1"	RTU-21	VFD-P-35401	2 CAT 6, #14 GND	
I-200-130	1"	RTU-21	VFD-P-35501 (FUTURE)	EMPTY WITH PULL STRING	
I-200-131	1"	RTU-21	VFD-P-36101	2 CAT 6, #14 GND	
I-200-132	1"	RTU-21	VFD-P-36201	2 CAT 6, #14 GND	
I-200-133	1"	RTU-21	VFD-P-36301	2 CAT 6, #14 GND	
I-200-134	1"	RTU-21	VFD-P-36301	2 CAT 6, #14 GND	
I-200-135	1"	RTU-21	VFD-P-36301	2 CAT 6, #14 GND	
I-200-136	1"				

ATTACHMENT NO. 11	BY DCH	GLENVILLE LAKE AND P.O. HOFFER WATER TREATMENT FACILITIES	CONTRACT NUMBER 67	SHEET 1 OF 2
ADDENDA NO. 002	DATE 01/2026	CITY OF FAYETTEVILLE, NORTH CAROLINA	HAZEN JOB NUMBER 30402-067	REFER TO CONTRACT DRAWING NUMBER E452

SWBD-GL-GAC
SINGLE LINE DIAGRAM



TO
ATS-GL-GAC
DRAWING E5

TO
ATS-GL-GAC3
DRAWING E509

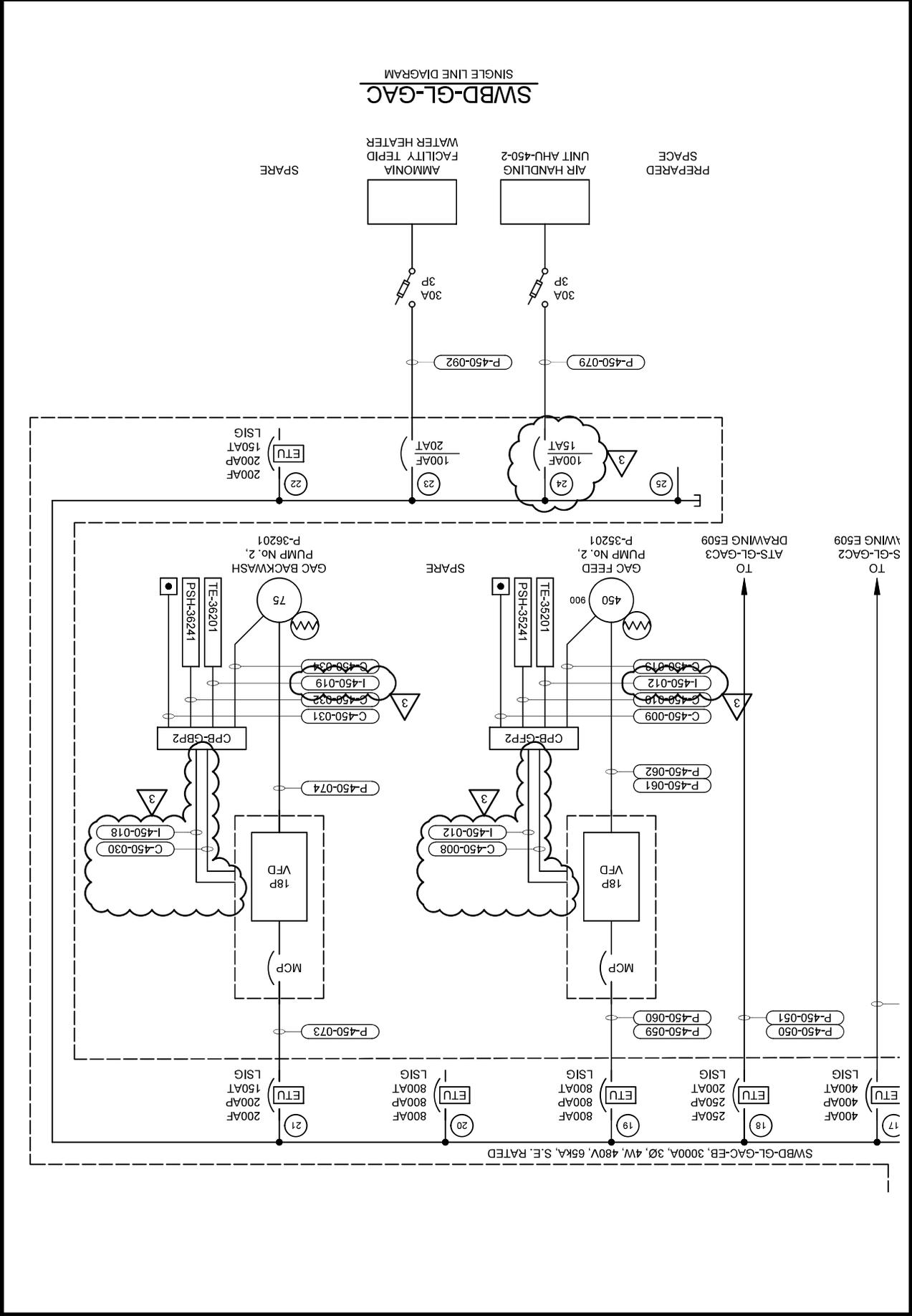
GAC FEED
PUMP No. 1,
P-35101

GAC FEED
PUMP No. 3,
P-35301

GAC BACKWASH
PUMP No. 1,
P-36101

SWBD-GL-GAC-EB, 3000A, 3Ø, 4W, 480V, 65KA, S.E. RATED

ATTACHMENT NO. 12	BY DCH	GLENVILLE LAKE AND P.O. HOFFER WATER TREATMENT FACILITIES	CONTRACT NUMBER 67	SHEET 2 OF 2
ADDENDA NO. 002	DATE 01/2026	CITY OF FAYETTEVILLE, NORTH CAROLINA	HAZEN JOB NUMBER 30402-067	REFER TO CONTRACT DRAWING NUMBER E452



P-450-076	3/4"	SWBD-GL-GAC-EB - ("A" SIDE)	MOV-35121	3#12, #12 GND	VIA FUSED DISCONNECT SWITCH
P-450-077	3/4"	SWBD-GL-GAC-EB - ("A" SIDE)	AHU-450-1	3#10, #10 GND	VIA FUSED DISCONNECT SWITCH
P-450-078	3/4"	SWBD-GL-GAC-EB - ("B" SIDE)	AHU-450-2	3#10, #10 GND	VIA FUSED DISCONNECT SWITCH



CONDUIT NO.	SIZE	FROM	TO	CONDUCTORS	REMARKS
C-450-000	1"	RTU-7	P-35101 VFD	2 #12, 12 #14, #12 GND	
C-450-001	3/4"	P-35101 VFD	CPB-GFP1	10 #14, #12 GND	LCS
C-450-002	3/4"	CPB-GFP1	LCS-35101	2 #14, #12 GND	PRESSURE SWITCH
C-450-003	3/4"	CPB-GFP1	PSH-35141		
C-450-004	3/4"	CPB-GFP1	MOTOR SPACE HEATER	2 #12, #12 GND	
C-450-006	1"	RTU-7	P-35201 VFD	2 #12, 12 #14, #12 GND	
C-450-007	3/4"	P-35201 VFD	CPB-GFP2	10 #14, #12 GND	LCS
C-450-008	3/4"	CPB-GFP2	LCS-35201	2 #14, #12 GND	PRESSURE SWITCH
C-450-009	3/4"	CPB-GFP2	PSH-35241		
C-450-010	3/4"	CPB-GFP2	MOTOR SPACE HEATER	2 #12, #12 GND	
C-450-011	3/4"	CPB-GFP2			
C-450-012	1"	RTU-7	P-35301 VFD	2 #12, 12 #14, #12 GND	
C-450-013	3/4"	P-35301 VFD	CPB-GFP3	10 #14, #12 GND	LCS
C-450-014	3/4"	CPB-GFP3	LCS-35301	2 #14, #12 GND	PRESSURE SWITCH
C-450-015	3/4"	CPB-GFP3	PSH-35341		
C-450-016	3/4"	CPB-GFP3	MOTOR SPACE HEATER	2 #12, #12 GND	
C-450-017	3/4"	CPB-GFP3			
C-450-018	3/4"	CPB-GFP3			
C-450-019	1"	RTU-7	P-36101 VFD	2 #12, 12 #14, #12 GND	
C-450-020	3/4"	P-36101 VFD	CPB-GBP1	10 #14, #12 GND	LCS
C-450-021	3/4"	CPB-GBP1	LCS-36101	2 #14, #12 GND	PRESSURE SWITCH
C-450-022	3/4"	CPB-GBP1	PSH-36141		
C-450-023	3/4"	CPB-GBP1	MOTOR SPACE HEATER	2 #12, #12 GND	
C-450-024	1"	RTU-7	P-36201 VFD	2 #12, 12 #14, #12 GND	
C-450-025	3/4"	P-36201 VFD	CPB-GBP2	10 #14, #12 GND	LCS
C-450-026	3/4"	CPB-GBP2	LCS-36201	2 #14, #12 GND	PRESSURE SWITCH
C-450-027	3/4"	CPB-GBP2	PSH-36241		
C-450-028	3/4"	CPB-GBP2	MOTOR SPACE HEATER	2 #12, #12 GND	
C-450-029	1"	RTU-7	P-36201 VFD	2 #12, 12 #14, #12 GND	
C-450-030	3/4"	P-36201 VFD	CPB-GBP2	10 #14, #12 GND	LCS
C-450-031	3/4"	CPB-GBP2	LCS-36201	2 #14, #12 GND	PRESSURE SWITCH
C-450-032	3/4"	CPB-GBP2	PSH-36241		
C-450-033	3/4"	CPB-GBP2	MOTOR SPACE HEATER	2 #12, #12 GND	
C-450-034	3/4"	CPB-GBP2			
C-450-035	3/4"	RTU-7	MOV-35121	10 #14, #12 GND	
C-450-036	1"	RTU-7	LSH-33152	2 #14, #12 GND	
C-450-037	1"	RTU-7	CHEMICAL INJECTION VAULT	EMPTY W/PULL STRING	
C-450-038	1"	RTU-7			
C-450-039	1"	RTU-7			
C-450-040	1"	RTU-7			

CONDUIT NO.	SIZE	FROM	TO	CONDUCTORS	REMARKS
I-450-000	1"	CISCO INDUSTRIAL SWITCH, ELECTRICAL ROOM	RTU-7	1-CAT6, #14 GND	
I-450-001	1"	RTU-7	P-35101 VFD	2 #16/2TPS, #14 GND	
I-450-002	1"	RTU-7	P-35201 VFD	2 #16/2TPS, #14 GND	
I-450-003	1"	RTU-7	P-35301 VFD	2 #16/2TPS, #14 GND	
I-450-004	1"	RTU-7	VFD-P-36101	2 #16/2TPS, #14 GND	
I-450-005	1"	RTU-7	VFD-P-36102	2 #16/2TPS, #14 GND	
I-450-007	3/4"	RTU-7	FIT-35142	1 #16/2TPS, #14 GND	
I-450-009	2"	P-35101 VFD	CPB-GFP1	8(3C #16TSH), #14GND	RTDS
I-450-011	2"	CPB-GFP1	TE-35101	8(3C #16TSH), #14GND	RTDS
I-450-012	2"	P-35201 VFD	CPB-GFP2	8(3C #16TSH), #14GND	RTDS
I-450-013	2"	CPB-GFP2	TE-35201	8(3C #16TSH), #14GND	RTDS
I-450-014	2"	P-35301 VFD	CPB-GFP3	8(3C #16TSH), #14GND	RTDS
I-450-015	2"	CPB-GFP3	TE-35301	8(3C #16TSH), #14GND	RTDS
I-450-016	2"	P-36101 VFD	CPB-GBP1	8(3C #16TSH), #14GND	RTDS
I-450-017	2"	CPB-GBP1	TE-36101	8(3C #16TSH), #14GND	RTDS
I-450-018	2"	P-36201 VFD	CPB-GBP1	8(3C #16TSH), #14GND	RTDS
I-450-019	2"	CPB-GBP2	TE-36201	8(3C #16TSH), #14GND	RTDS
I-450-020	1"	RTU-7	P-35101 VFD	2-CAT6, #14 GND	
I-450-021	1"	RTU-7	P-35201 VFD	2-CAT6, #14 GND	
I-450-022	1"	RTU-7	P-35301 VFD	2-CAT6, #14 GND	
I-450-023					

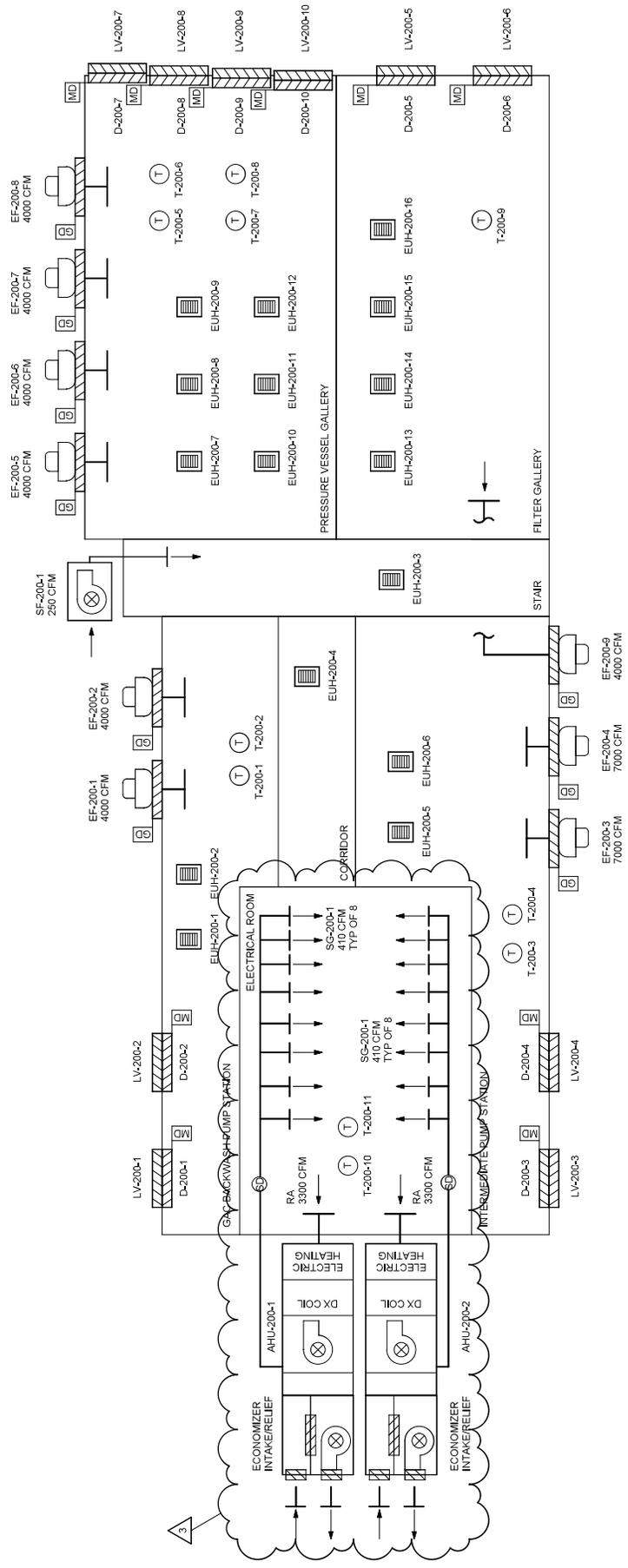
2

REFER TO SPECIFICATION 23-02 16 FOR ADDITIONAL REQUIREMENTS

DIFFUSERS, REGISTERS, AND GRILLES

TAG	TYPE	LOCATION	AREA SERVED	MAX. FACE DIMENSIONS			FACE TYPE	FINISH	MATERIAL	MOUNTING SURFACE	NOTES	
				MANUFACTURER	AIRFLOW (CFM)	WIDTH (IN)						HEIGHT (IN)
SG-200-1	SUPPLY GRILLE	PO HOFFER - GAC	ELECTRICAL ROOM	TITUS	300FS	410	18	10	DOUBLE DEFLECTION	MILL ALUMINUM	DUCT	1

NOTES:
 1. REFER TO SPECIFICATION 23 31 13 FOR ADDITIONAL REQUIREMENTS
 SEQUENCE OF OPERATIONS.



PO HOFFER INTERMEDIATE PUMP STATION AND GAC FACILITY- AIRFLOW DIAGRAM

PACKAGED AHU

TAG	LOCATION	AREA SERVED	MANUFACTURER		TYPE	TOTAL CAPACITY (MBH)	SENSIBLE CAPACITY (MBH)	ELECTRIC HEATING (KW)	AIR FLOW (CFM)	E.S.P. (AWG)	OUTSIDE AIR (CFM)	COOLING COIL				EER	IEER	WEIGHT (LBS)	VOLT	PHASE (PH)	FREQ. (HZ)	POWER		NOTES
			MAKE	MODEL								DB	WB	DB	WB							LAT (°F)	MCA	
AHU-200-1	PO HOFFER - GAC	ELECTRICAL ROOM	TRANE	TSK102A4S0C	PACKAGED ROOFTOP UNIT	107.80	103.97	9	3300	1.262	-	86.6	52	56.51	37.4	11.2	14.8	1005.7	460	60	3	26	35	1,2,3,4,5,6,7,8,9
AHU-200-2	PO HOFFER - GAC	ELECTRICAL ROOM	TRANE	TSK102A4S0C	PACKAGED ROOFTOP UNIT	107.80	103.97	9	3300	1.262	-	86.6	52	56.51	37.4	11.2	14.8	1005.7	460	60	3	26	35	1,2,3,4,5,6,7,8,9

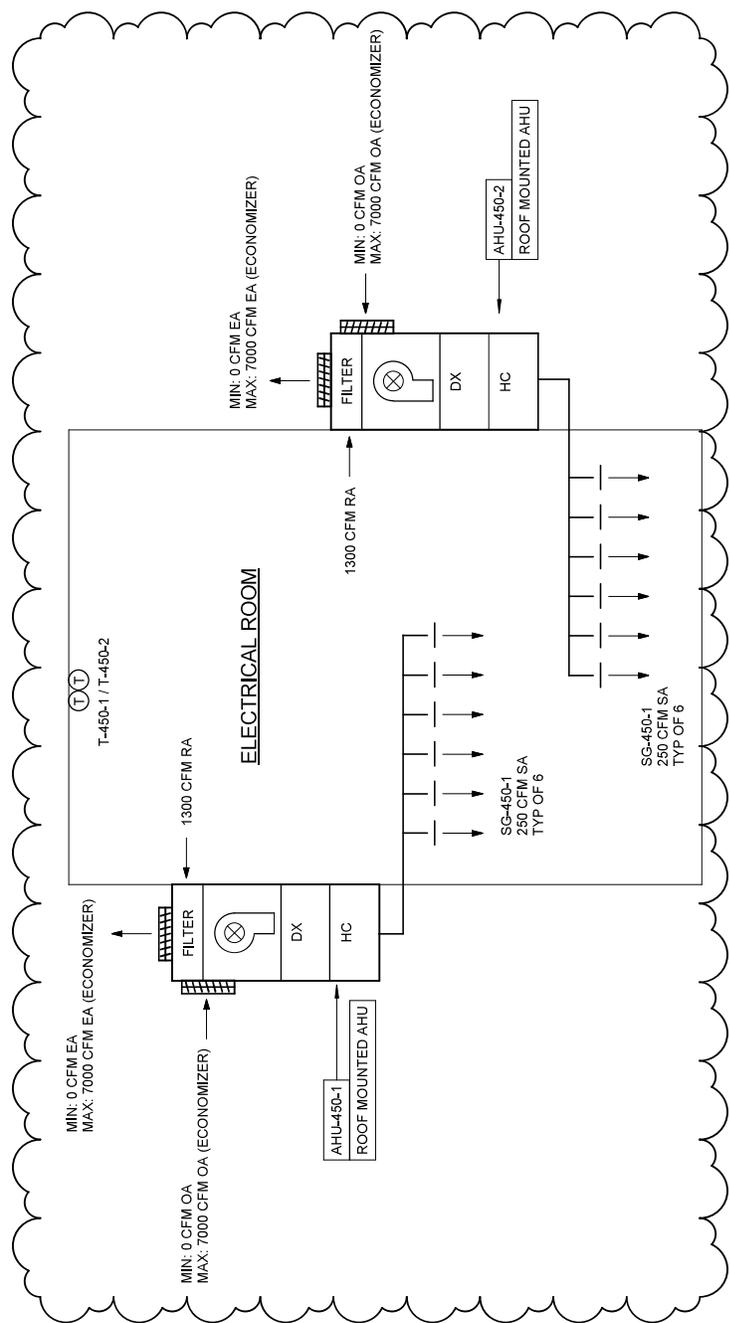
- NOTES:
1. BOTTOM DUCT CONNECTIONS
 2. PROVIDE WITH MERV 8 FILTER
 3. PROVIDE UV RESISTANT ENAMEL CABINET COATING
 4. PROVIDE 15 MINUTE DELAY BETWEEN COMPRESSORS
 5. PROVIDE ANTI-SHORT CYCLE TIMING AND TIME DELAY BETWEEN COMPRESSORS
 6. HEAT PUMP WITH REDUNDANT ELECTRIC HEATING
 7. REFER TO SPECIFICATION 23.81.24 FOR ADDITIONAL REQUIREMENTS
 8. PROVIDE ENTHALPY CONTROLLED ECONOMIZER WITH BUILT IN POWERED EXHAUST
 9. PROVIDE WITH UNIT MOUNTED SMOKE DETECTOR
 10. PROVIDE W/ REFRIGERANT LEAK DETECTION & SHUTDOWN SENSORS AT AHU



DIFFUSERS, REGISTERS, AND GRILLES

TAG	TYPE	LOCATION	AREA SERVED	MANUFACTURER		MAX. AIRFLOW (CFM)	FACE DIMENSIONS		FACE TYPE	FINISH	MATERIAL	MOUNTING SURFACE	NOTES
				MAKE	MODEL		WIDTH (IN)	HEIGHT (IN)					
SG-450-1	SUPPLY GRILLE	GLENVILLE LAKE - GAC ELECTRICAL BUILDING	ELECTRICAL BUILDING	TITUS	300FS	250	18	8	DOUBLE DEFLECTION	MILL	ALUMINUM	DUCT	1

NOTES:
 1. REFER TO SPECIFICATION 23 31 13 FOR ADDITIONAL REQUIREMENTS



GLENVILLE LAKE WTF ELECTRICAL BUILDING - AIRFLOW DIAGRAM

1/4" = 1'-0"

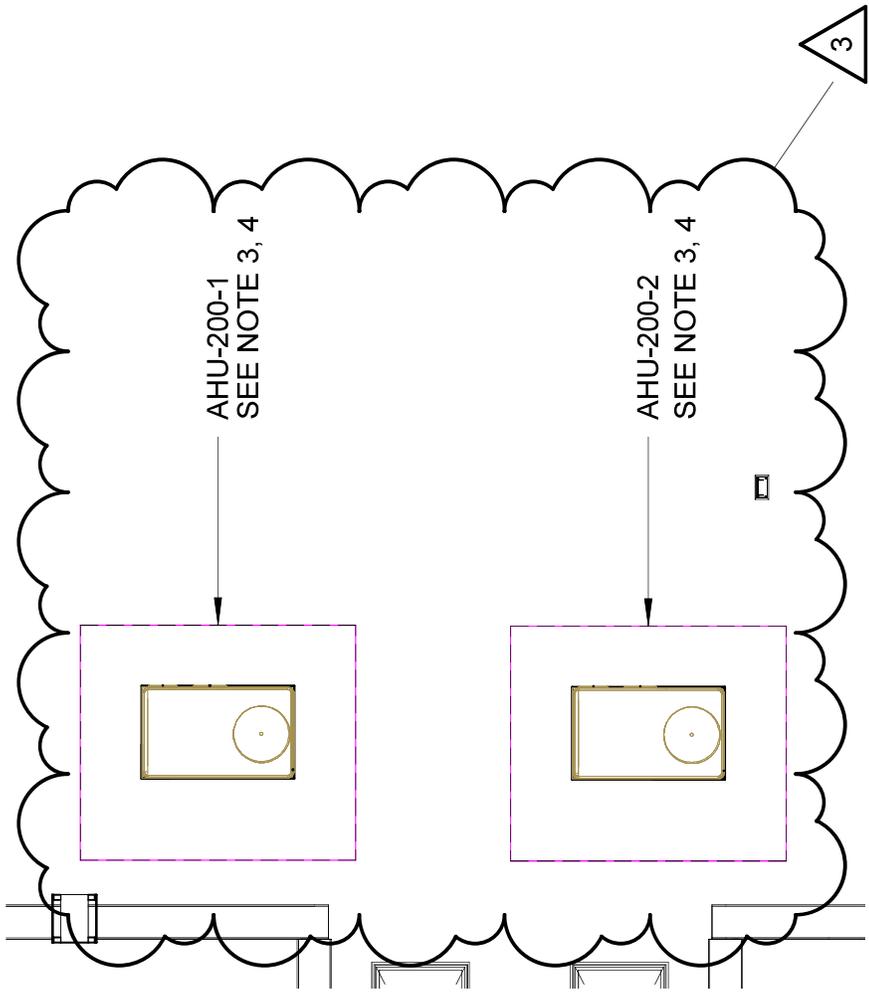
TAG	LOCATION	AREA SERVED	MANUFACTURER		TYPE	TOTAL COOLING CAPACITY (MBH)	SENSIBLE COOLING CAPACITY (MBH)	ELECTRIC RESISTANCE HEATING (KW)	AIR FLOW (CFM)	E.S.P. (WPG)	OUTSIDE AIR (CFM)	COOLING COIL				WEIGHT (LBS)	POWER			NOTES	
			MAKE	MODEL								DB	WB	DB	WB		DB	WB	VOLT		PHASE (PH)
AHJ-490-1	GLENVILLE LAKE- ELEC BLDG	ELECTRICAL ROOM	TRANE	TSK08A4S08	PACKAGED ROOFTOP UNIT	47.88	46.16	6	1500	1.045	-	86.7	52	56.47	648	460	60	3	14	15	1,2,3,4,5,6,7,8,9
AHJ-490-2	GLENVILLE LAKE- ELEC BLDG	ELECTRICAL ROOM	TRANE	TSK08A4S08	PACKAGED ROOFTOP UNIT	47.88	46.16	6	1500	1.045	-	86.7	52	56.47	648	460	60	3	14	15	1,2,3,4,5,6,7,8,9

PACKAGED AHU

NOTES:
 1. PROVIDE DUCT CONNECTIONS
 2. PROVIDE WITH MERV 8 FILTER
 3. PROVIDE UV RESISTANT ENAMEL CABINET COATING
 4. PROVIDE 15 MINUTE DELAY BETWEEN COMPRESSORS
 5. PROVIDE AVI-SHORT CYCLE TIMING AND TIME DELAY BETWEEN COMPRESSORS
 6. HEAT PUMP WITH REDUNDANT ELECTRIC HEATING
 7. REFER TO SPECIFICATION 23.81.24 FOR ADDITIONAL REQUIREMENTS
 8. PROVIDE ENTHALPY CONTROLLED ECONOMIZER WITH BUILT IN POWERED EXHAUST
 9. PROVIDE WITH REFRIGERANT LEAK DETECTION & SHUTDOWN SENSORS AT AHU
 10. PROVIDE WITH REFRIGERANT LEAK DETECTION & SHUTDOWN SENSORS AT AHU

FANS

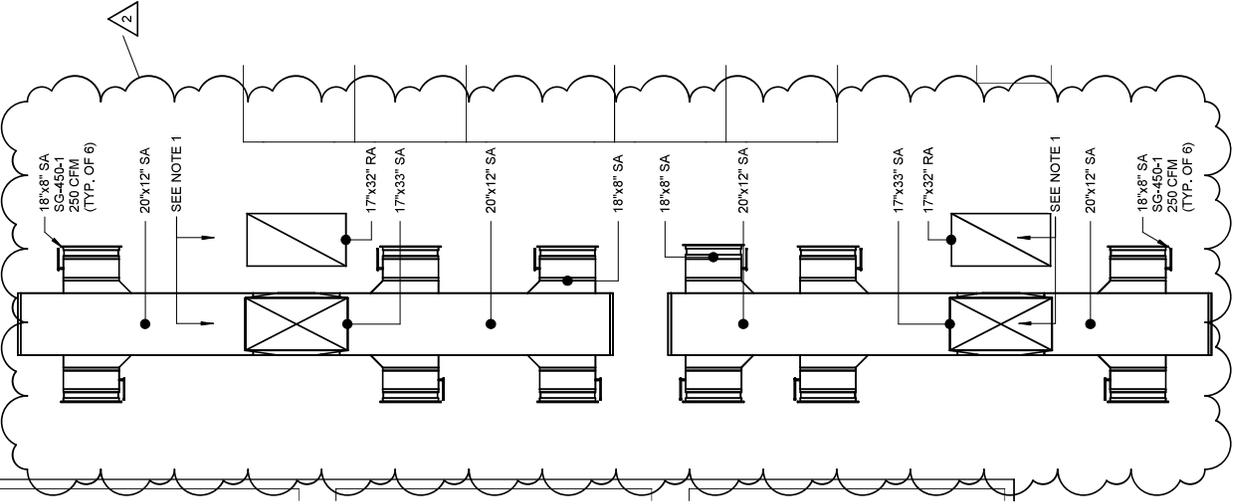
ATTACHMENT NO. 21	BY DCH	GLENVILLE LAKE AND P.O. HOFFER WATER TREATMENT FACILITY POST FILTER GAC ADSORPTION FACILITIES	CONTRACT NUMBER 67	SHEET 1 OF 1
APPENDIX NO. 002	DATE 01/2026	CITY OF FAYETTEVILLE, NORTH CAROLINA PUBLIC WORKS COMMISSION	HAZEN JOB NUMBER 30402-067	REFER TO CONTRACT DRAWING NUMBER H201



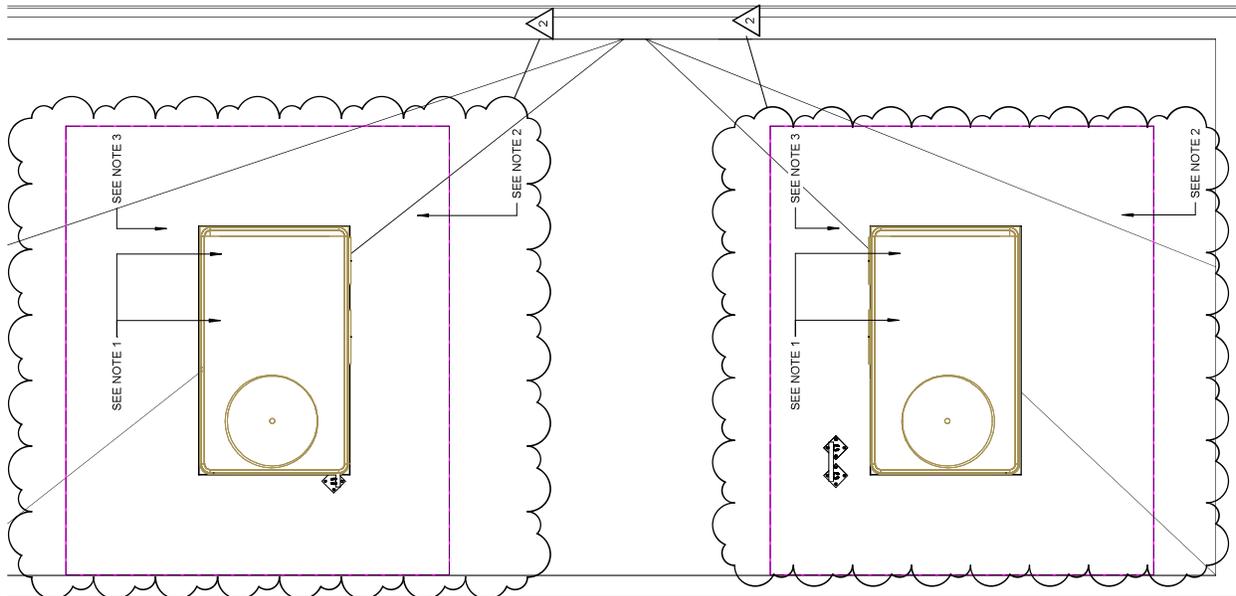
ATTACHMENT NO. 22	BY DCH	GLENVILLE LAKE AND P.O. HOFFER WATER TREATMENT FACILITIES	SHEET 1 OF 1
ADDENDA NO. 002	DATE 01/2026	CITY OF FAYETTEVILLE, NORTH CAROLINA	CONTRACT NUMBER 67
		PUBLIC WORKS COMMISSION	HAZEN JOB NUMBER 30402-067
			REFER TO CONTRACT DRAWING NUMBER H450

NOTES:

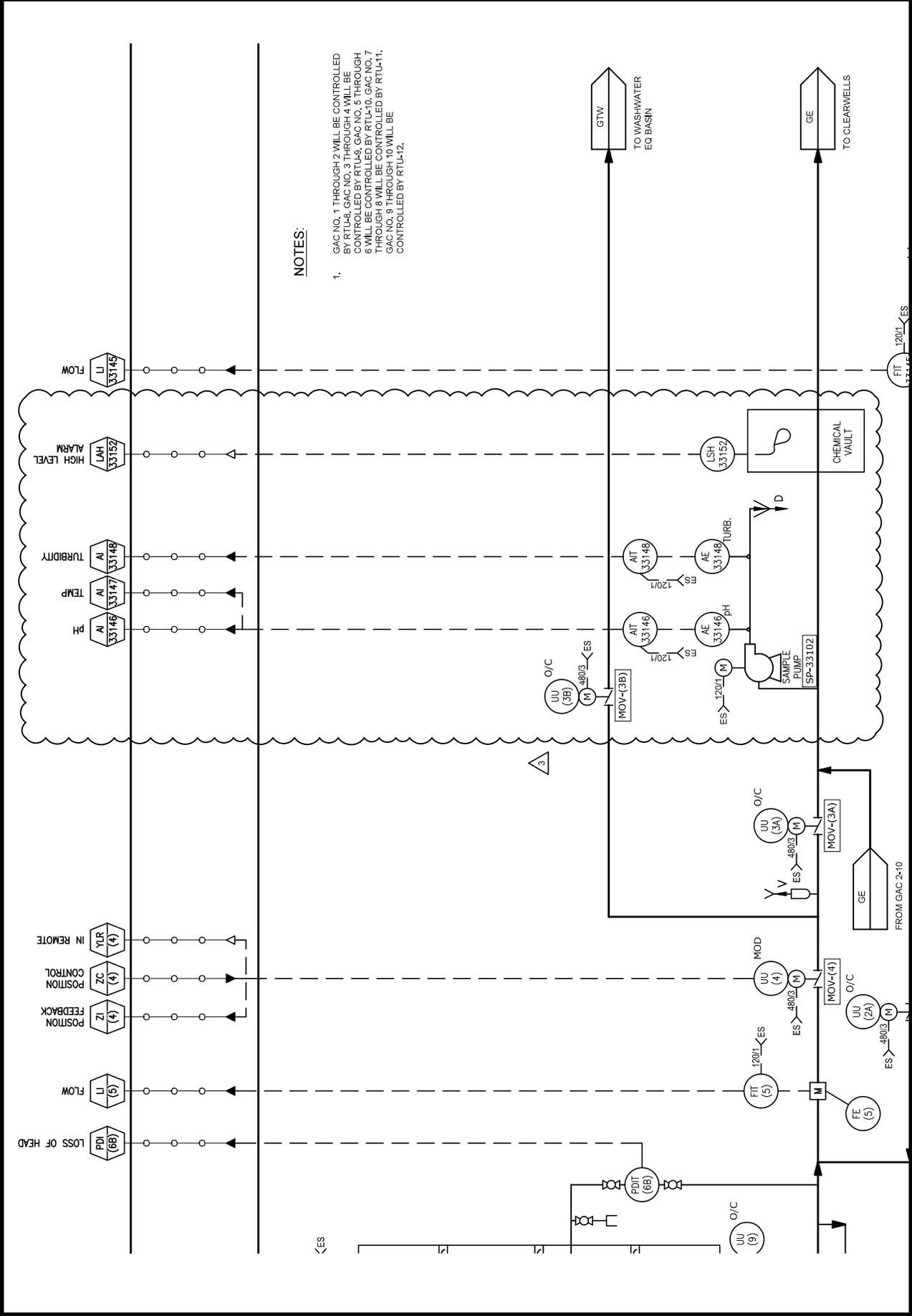
1. PROVIDE SUPPLY GRILLES, PROVIDE 1/2" SST WIRE MESH OVER RETURN OPENING, REFER TO DRG SCHEDULE.



ATTACHMENT NO. 23	BY DCH	GLENVILLE LAKE AND P.O. HOFFER WATER TREATMENT FACILITY	CONTRACT NUMBER 67	SHEET 1 OF 1
APPENDA NO. 002	DATE 01/2026	CITY OF FAYETTEVILLE, NORTH CAROLINA PUBLIC WORKS COMMISSION	HAZEN JOB NUMBER 30402-067	REFER TO CONTRACT DRAWING NUMBER H451



ATTACHMENT NO. 24	BY DCH	GLENVILLE LAKE AND P.O. HOFFER WATER TREATMENT FACILITIES	CONTRACT NUMBER 67	SHEET 1 OF 1
ADDENDA NO. 002	DATE 01/2026	CITY OF FAYETTEVILLE, NORTH CAROLINA	HAZEN JOB NUMBER 30402-067	REFER TO CONTRACT DRAWING NUMBER 1401
PUBLIC WORKS COMMISSION				



NOTES:

- GAC NO. 1 THROUGH 2 WILL BE CONTROLLED BY RTU-8. GAC NO. 3 THROUGH 4 WILL BE CONTROLLED BY RTU-9. GAC NO. 5 THROUGH 6 WILL BE CONTROLLED BY RTU-10. GAC NO. 7 THROUGH 8 WILL BE CONTROLLED BY RTU-11. GAC NO. 9 THROUGH 10 WILL BE CONTROLLED BY RTU-12.