



3755 S. Capital of Texas Highway
Suite 325
Austin, TX 78704
TEL 512.485.0009
FAX 512.485.0010
www.GarverUSA.com

ADDENDUM NO. 3

Date: 09/11/2026
Project Name: North Fork WWTP
Owner: City of Liberty Hill
Garver Project No: W07-2401219

This addendum shall be a part of the Plans, Contract Documents and Specifications to the same extent as though it were originally included therein, and it shall supersede anything contained in the Plans, Contract Documents, and Specifications with which it might conflict. This addendum, including all attachments, shall become part of the Contract and all provisions of the Contract shall apply thereto. The time provided for completion of the Contract has not been changed as noted in this addendum. Acknowledgement of receipt of this addendum must be noted in the appropriate section of the Bid Form and included with the Contract Documents.

A. SPECIFICATIONS – Volume 1 and Volume 2

1. Remove the following specification sections in their entirety, and replace them with the same, attached hereto:
 - a. 43 41 22.1 MICC Storage Tank Data Sheet
 - b. 43 41 22.2 Aluminum Sulfate Storage Tank Data Sheet
 - c. 43 41 22.3 Polymer Storage Tank Data Sheet
2. Revise Section 00 22 13 – Offeror's Checklist of Required Items as follows:
 - a. Delete line 8.g from the checklist table.
3. Revise Section 00 41 00 – Proposal Form C-410 as follows:
 - a. Delete paragraph 2.01 and replace it with the following paragraph 2.01:
 - 1) The Proposal Package shall include all information and documentation required under Article 24 of Section 00 21 00, Instructions to Offerors, including but not limited to: Experience on Projects of Similar Scope (24.01), Project Manager and Superintendent Experience (24.02), Schedule (24.03), Project Approach (24.04), Risk Mitigation (24.05), and Safety Record (24.06).
 - b. Delete paragraph 2.01 and replace it with the following paragraph 2.02:
 - 1) Page limits, format, and content requirements for each item are as set forth in the corresponding subsection of Article 24.
4. Revise Section 00 75 00 – State Funding Documentation as follows:
 - a. Delete paragraph 4.2.A.1

Addendum No. 3**09/11/2026**

- b. Delete paragraph 4.2.A.5.
- 5. Revise Section 26 32 13.13 as follows:
 - a. Add paragraph 2.1.A.5 as follows: “Generac”
 - b. Revise paragraph 2.8.B.2 by deleting “...basic system controls, and engine gauges.” and replacing with “...basic system controls, generator paralleling controls, and engine gauges.”
- 6. Revise Section 40 72 23 – Radar Level Meters as follows:
 - a. Delete Table 3.5 A Table in its entirety and replace it with the following table:

Instrument Tag	Application	Measurement Range
102LE1	PRIMARY HEADWORKS	0 - 27 ft
102LE2	PRIMARY HEADWORKS	0 - 27 ft
351LE1	PROCESS TRAINS - CHEMICAL FACILITY	0 - 9.5 ft
351LE2	PROCESS TRAINS - CHEMICAL FACILITY	0 - 12 ft
451LE002	EFFLUENT LEVEL	0-5 ft
601LE101	POLYMER STORAGE TANK LEVEL	0 - 9 ft

- 7. Revise Section 40 73 26 – Differential and Gauge Pressure Transmitters as follows:
 - a. Revise Section 3.5 A Table and replace it with the following:

Instrument Tag	Application	Measurement Range
102PIT001	INFLUENT PUMP STATION PRESSURE	0-100 psi
451PIT001	EFFLUENT FACILITY	0 - 150 psi
501PIT1	AERATED SLUDGE HOLDING TANK - BLOWERS	0 - 15 psi
501PIT2	AERATED SLUDGE HOLDING TANK - BLOWERS	0 - 15 psi

- 8. Revise Section 43 41 22 – Polyethylene Upright Storage Tank as follows:
 - a. Add the following rows to Table 1.2.D:

Parameter	Alum	Micro-C	Polymer
Maximum Allowable Outer Diameter	9.5 ft	6.5 ft	5 ft
Maximum Allowable Height	12 ft	9.5 ft	10 ft

- 9. Revise Section 46 21 13 – Mechanical Screens (Multi-Rake Screens) as follows:
 - a. In Table 2.4.A, for the Criteria of Maximum Upstream Depth, delete the value and replace with 8.10 ft.
 - b. In Table 2.3.A, for the Criteria of Channel Depth, delete the value and replace with 20.5 ft.
 - c. Delete paragraph 2.4.B.1 and replace it with the following paragraph:
 - 1) Debris discharge chutes shall mate with the washer compactors.
 - d. Revise paragraph 2.7.A by deleting “Furthermore, each panel shall be designed to control the future shaftless screw conveyor system.”
- 10. Revise Section 46 42 27.20 – Screenings Washer Compactor as follows:

Addendum No. 3

09/11/2026

- a. Delete paragraph 1.1.B.

B. DRAWINGS - Volume 4

1. Add the following drawings in their entirety, attached hereto:
 - a. 30-E714 – SCUM PUMP VFD CONTROL SCHEMATIC (TYP. OF 2)
 - b. 30-E715 – SCUM PUMP VFD CONTROL SCHEMATIC CONT. (TYP. OF 2)
2. Remove the following drawings in their entirety, and replace them with the same, attached hereto:
 - a. 05-C307 – PROPOSED YARD PIPING PLAN – ENLARGED 5
 - b. 05-E601 – DUCTBANK SCHEDULES
 - c. 08-I601 – SOLID DEWATERING P&ID
 - d. 30-P115 – PROCESS TRAINS UPPER LEVEL PLAN AREA F
 - e. 30-P116 – PROCESS TRAINS UPPER LEVEL PLAN AREA G
 - f. 30-P306 – CHEMICAL STORAGE AND FEED SECTIONS
 - g. 30-E104 – PERMEATE PUMP STATION POWER AND GROUNDING – AREA D2
 - h. 30-E106 – PERMEATE PUMP STATION POWER AND GROUNDING – AREA E2
 - i. 30-E501 – PROCESS TRAINS INTERCONNECTION DIAGRAM 1
 - j. 30-E502 – PROCESS TRAINS INTERCONNECTION DIAGRAM 2
 - k. 30-E503 – PROCESS TRAINS INTERCONNECTION DIAGRAM 3
 - l. 30-E504 – PROCESS TRAINS INTERCONNECTION DIAGRAM 4
 - m. 30-E505 – PROCESS TRAINS INTERCONNECTION DIAGRAM 5
 - n. 30-E701 – RAS PUMP VFD CONTROL SCHEMATIC (TYP. OF 3)
 - o. 30-E702 – RAS PUMP VFD CONTROL SCHEMATIC CONT. (TYP. OF 3)
 - p. 30-E703 – MEMBRANE BLOWER VFD CONTROL SCHEMATICS (TYP. OF 4)
 - q. 30-E704 – MEMBRANE BLOWERS VFD CONTROL SCHEMATIC (TYP. OF 4) CONT.
 - r. 30-E705 – PRE-AERATION BLOWER VFD CONTROL SCHEMATIC (TYP. OF 3)
 - s. 30-E706 – PRE-AERATION BLOWER VFD CONTROL SCHEMATIC CONT. (TYP. OF 3)
 - t. 30-E707 – PERMEATE PUMP VFD CONTROL SCHEMATIC (TYP. OF 4)
 - u. 30-E708 – PERMEATE PUMP VFD CONTROL SCHEMATIC CONT. (TYP. OF 4)
 - v. 30-E709 – WAS PUMP VFD CONTROL SCHEMATIC (TYP. OF 2)
 - w. 30-E710 – WAS PUMP VFD CONTROL SCHEMATIC CONT. (TYP. OF 2)
 - x. 30-E713 – LCP-351CPX CONTROL SCHEMATIC (TYP. OF 2)
 - y. 70-M101 – ADMINISTRATION BUILDING HVAC LOWER PLAN
3. Revise Drawing 10-P304 – PRIMARY HEADWORKS INFLUENT LIFT STATION SECTIONS 3 as follows:

Addendum No. 3

09/11/2026

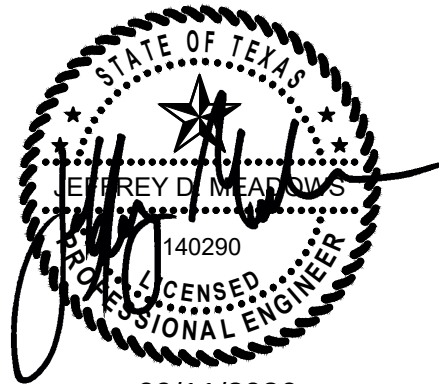
- a. Add callout "WALL PIPE" to the 18" RS pipe where it penetrates the slab at EL 937.50 in Section 1.
- b. Add callout "WALL PIPE" to the 18" RS pipe where it penetrates the slab at EL 937.50 in Section 2.
4. Revise Drawing 20-P302 – SECONDARY HEADWORKS SECTIONS 2 as follows:
 - a. Add callout "WALL PIPE" to the 18" RS pipe where it penetrates the slab at EL 938.00
 - b. Add callout "WALL PIPE" to the 18" RS pipe where it penetrates the slab at EL 964.08
5. Revise Drawing 20-P303 – SECONDARY HEADWORKS SECTIONS 3 as follows:
 - a. Add callout "WALL PIPE" to the 30" RS pipe where it penetrates the wall at CL 953.00.

C. STANDARD DETAILS - Volume 5

No items for Standard Details are included in this addendum.

By: _____

Jeffrey D. Meadows, PE
Project Manager



09/11/2026

Attachments:

Specifications

- 43 41 22.1 – MICC Storage Tank Data Sheet
- 43 41 22.2 – Aluminum Sulfate Storage Tank Data Sheet
- 43 41 22.3 – Polymer Storage Tank Data Sheet

Drawings

- 05-C307 – PROPOSED YARD PIPING PLAN – ENLARGED 5
- 05-E601 – DUCTBANK SCHEDULES
- 08-I601 – SOLID DEWATERING P&ID
- 30-P115 – PROCESS TRAINS UPPER LEVEL PLAN AREA F
- 30-P116 – PROCESS TRAINS UPPER LEVEL PLAN AREA G
- 30-P306 – CHEMICAL STORAGE AND FEED SECTIONS
- 30-E104 – PERMEATE PUMP STATION POWER AND GROUNDING – AREA D2
- 30-E106 – RAS/WAS PUMP STATION POWER AND GROUNDING – AREA E2
- 30-E501 – PROCESS TRAINS INTERCONNECTION DIAGRAM 1
- 30-E502 – PROCESS TRAINS INTERCONNECTION DIAGRAM 2

Addendum No. 3

09/11/2026

30-E503 – PROCESS TRAINS INTERCONNECTION DIAGRAM 3
30-E504 – PROCESS TRAINS INTERCONNECTION DIAGRAM 4
30-E505 – PROCESS TRAINS INTERCONNECTION DIAGRAM 5
30-E701 – RAS PUMP VFD CONTROL SCHEMATIC (TYP. OF 3)
30-E702 – RAS PUMP VFD CONTROL SCHEMATIC CONT. (TYP. OF 3)
30-E703 – MEMBRANE BLOWER VFD CONTROL SCHEMATICS (TYP. OF 4)
30-E704 – MEMBRANE BLOWERS VFD CONTROL SCHEMATIC (TYP. OF 4) CONT.
30-E705 – PRE-AERATION BLOWER VFD CONTROL SCHEMATIC (TYP. OF 3)
30-E706 – PRE-AERATION BLOWER VFD CONTROL SCHEMATIC CONT. (TYP. OF 3)
30-E707 – PERMEATE PUMP VFD CONTROL SCHEMATIC (TYP. OF 4)
30-E708 – PERMEATE PUMP VFD CONTROL SCHEMATIC CONT. (TYP. OF 4)
30-E709 – WAS PUMP VFD CONTROL SCHEMATIC (TYP. OF 2)
30-E710 – WAS PUMP VFD CONTROL SCHEMATIC CONT. (TYP. OF 2)
30-E713 – LCP-351CPX CONTROL SCHEMATIC (TYP. OF 2)
30-E714 – SCUM PUMP VFD CONTROL SCHEMATIC (TYP. OF 2)
30-E715 – SCUM PUMP VFD CONTROL SCHEMATIC CONT. (TYP. OF 2)
70-M101 – ADMINISTRATION BUILDING HVAC LOWER PLAN

END OF ADDENDUM NO. 3

GARVER TANK DATA SHEET

APPLICABLE TO:

☐ PROPOSAL ☐ PURCHASE ☐ RECORD

Information NOT specified to be supplied by vendor as applicable

Equipment No. 35BT101

STORAGE TANK

PROJECT INFORMATION

Project: North Fork WWTP

Owner: Liberty Hill

Equipment Names: MicroC 2000® Storage Tank

Equipment Numbers: 35BT101

GENERAL INFORMATION

Service: MicroC 2000® (72% glycerin, 23% water, 5% NaCl, <1% methanol)

Working Capacity: 600 GAL

Working Capacity: 600 GAL

Design Code: ASTM / ASME

Design Code: ASTM / ASME

Material: XLPE (Double Wall)

Material: XLPE (Double Wall)

Ambient Temp: 32-113 °F

Ambient Temp: 32-113 °F

COATING SCHEDULE

COATING	EXTERNAL	INTERNAL
Surface Prep		
Primer		
Finish Coat		
Insulation Thickness	2"	
Material		
Cladding		

NOZZLE SCHEDULE

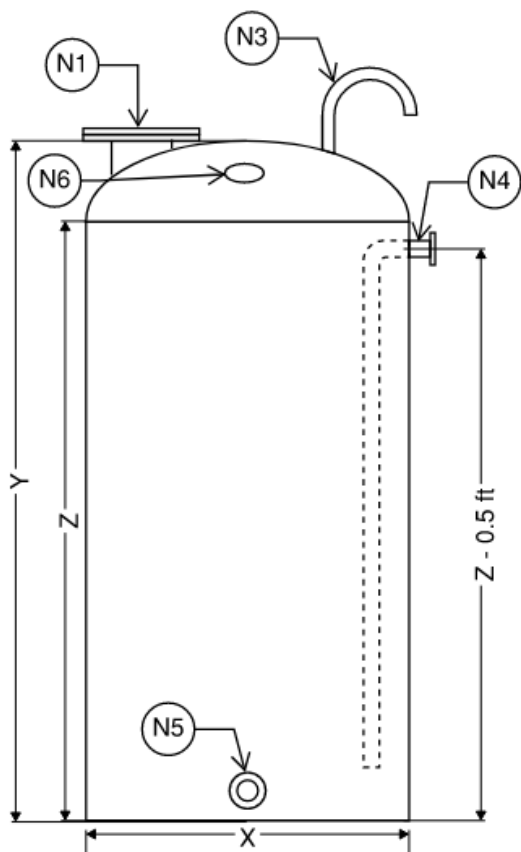
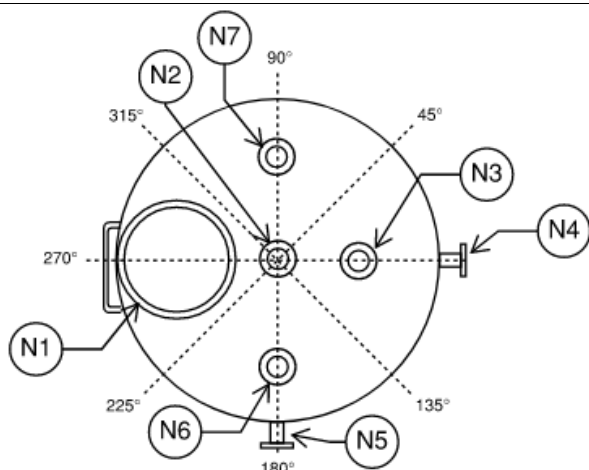
MK	Size/Type	Service	Projection	Radial CL
N1	24" FLG	TOP MANWAY	6"	1'-9"
N2	4" OPEN (AS REQUIRED)	MIXER MOUNT	-	CENTER
N3	4" FLG	VENT	6"	1'-6"
N4	2" FLG	OVERFLOW (NOTE 2)	6"	SIDE
N5	1" FLG	OUTLET/DRAIN (NOTE 3)	6"	SIDE
N6	2" FLG	FILL (NOTE 2)	6"	2'-0"
N7	6" FLG (AS REQUIRED)	RADAR LEVEL TRANSMITTER	6"	2'-0"

ACCESSORIES

Level Indicator	X	Ladder ☐ Int ☒ Ext	
Temperature Probe		Ladder Material	FRP
Heat Trace		Walkway	
Insulate	X	Platform ☐ Clips	
Min Design Temp	10 °F	Anchor Lugs	X
Max Design Temp	120 °F	Lifting Lugs	X
Exterior Pigmented Gel Coat	X	Thief Hatch	
Sight Tube		Access Manways	X
Gallonage Tape		Syphon Drain	
Sump		Vortex Breaker	
Down Corner ☐ Int ☐ Ext		Inlet Baffle	

NOTES:

- SEE SPECIFICATIONS AND DRAWINGS FOR ADDITIONAL INFO.
- EXTEND FILL LINE (N6) AND OVERFLOW (N4) TO 12" FROM TANK BOTTOM. PROVIDE LATERAL SUPPORTS.
- OUTLET AND DRAIN (N5) SHALL BE LOCATED AT INVERT OF TANK.
- ALL NOZZLES SHALL BE CONICAL GUSSET.



X = Diameter

Y = Overall Height

Z = Tank Height

NOTE: NOZZLE LOCATION IN THE ELEVATION VIEW MAY BE ROTATED FOR CLARITY AND DIMENSIONING

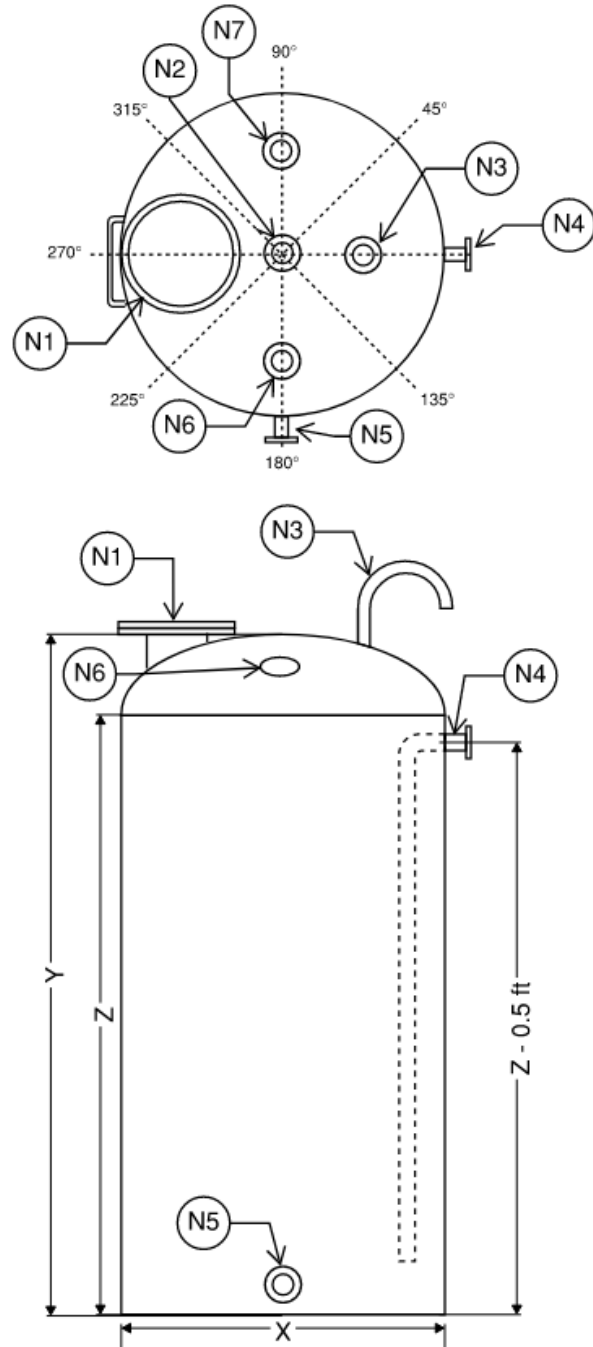
END OF SECTION

GARVER TANK DATA SHEET

APPLICABLE TO:

☐ PROPOSAL ☐ PURCHASE ☐ RECORD

Information NOT specified to be supplied by vendor as applicable



X = Diameter

Y = Overall Height

Z = Tank Height

NOTE: NOZZLE LOCATION IN THE ELEVATION VIEW MAY BE ROTATED FOR CLARITY AND DIMENSIONING

Equipment No. 35BT201

STORAGE TANK

PROJECT INFORMATION

Project: North Fork WWTP

Owner: Liberty Hill

Equipment Names: Alum Storage Tank

Equipment Numbers: 35BT201

GENERAL INFORMATION

Service: 48% Alum (48% Aluminum Sulfate, 52% Water)

Working Capacity: 2,800 GAL

Location: Outdoors

Design Code: ASTM / ASME

Roof: Domed

Material: XLPE (Double Wall)

Shell: Vertical Cylinder

Ambient Temp: 32-113 °F

Bottom: Flat

COATING SCHEDULE

COATING	EXTERNAL	INTERNAL
Surface Prep		
Primer		
Finish Coat		
Insulation Thickness	2"	
Material		
Cladding		

NOZZLE SCHEDULE

MK	Size/Type	Service	Projection	Radial CL
N1	24" FLG	TOP MANWAY	6"	1'-9"
N2	4" OPEN (AS REQUIRED)	MIXER MOUNT	-	CENTER
N3	4" FLG	VENT	6"	1'-6"
N4	2" FLG	OVERFLOW (NOTE 2)	6"	SIDE
N5	1" FLG	OUTLET/DRAIN (NOTE 3)	6"	SIDE
N6	2" FLG	FILL (NOTE 2)	6"	2'-0"
N7	6" FLG (AS REQUIRED)	RADAR LEVEL TRANSMITTER	6"	2'-0"

ACCESSORIES

Level Indicator	X	Ladder ☐ Int ☒ Ext	X
Temperature Probe		Ladder Material	FRP
Heat Trace		Walkway	
Insulate	X	Platform ☐ Clips	
Min Design Temp	50 °F	Anchor Lugs	X
Max Design Temp	120 °F	Lifting Lugs	X
Exterior Pigmented Gel Coat		Thief Hatch	
Sight Tube		Access Manways	X
Galloneage Tape		Siphon Drain	
Sump		Vortex Breaker	
Down Corner ☐ Int ☐ Ext		Inlet Baffle	

NOTES:

- SEE SPECIFICATIONS AND DRAWINGS FOR ADDITIONAL INFO.
- EXTEND FILL LINE (N6) AND OVERFLOW (N4) TO 12" FROM TANK BOTTOM. PROVIDE LATERAL SUPPORTS.
- OUTLET AND DRAIN (N5) SHALL BE LOCATED AT INVERT OF TANK.
- ALL NOZZLES SHALL BE CONICAL GUSSET.

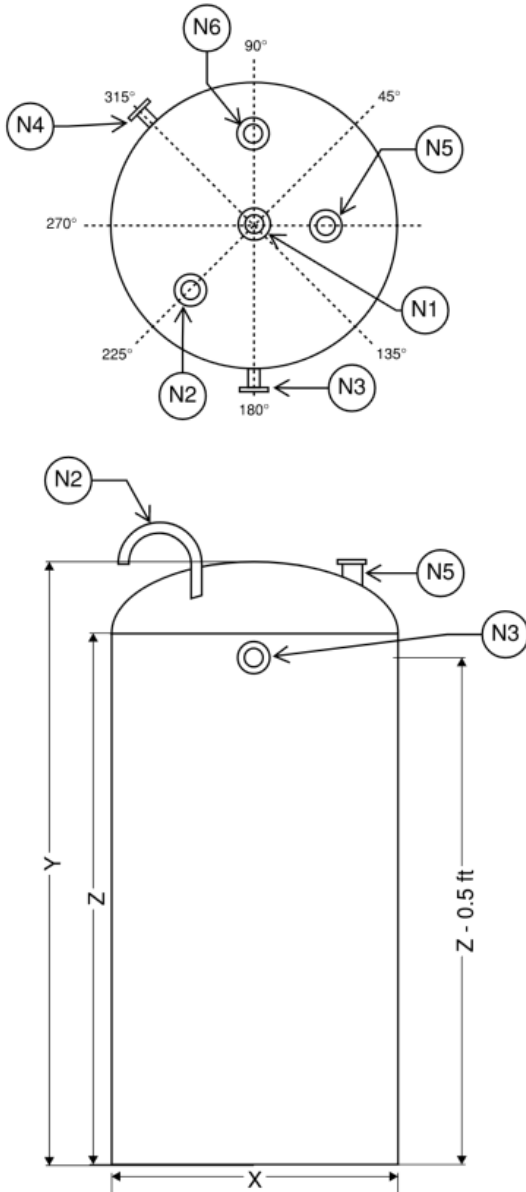
END OF SECTION

GARVER TANK DATA SHEET

APPLICABLE TO:

☐ PROPOSAL ☐ PURCHASE ☐ RECORD

Information NOT specified to be supplied by vendor as applicable



X = Diameter
Y = Overall Height
Z = Tank Height
NOTE: NOZZLE LOCATION IN THE ELEVATION VIEW MAY BE ROTATED FOR CLARITY AND DIMENSIONING

Equipment No. 601BT101

STORAGE TANK

PROJECT INFORMATION

Project: North Fork WWTP

Owner: Liberty Hill

Equipment Names: Polymer Storage Tank

Equipment Numbers: 601BT101

GENERAL INFORMATION

Service: Polymer (40% Polymer, 60% Water)

Working Capacity: 2,000 GAL

Location: Indoors

Design Code: ASTM / ASME

Roof: Domed

Material: XLPE (Double Wall)

Shell: Vertical Cylinder

Ambient Temp: 32-113 °F

Bottom: Flat

COATING SCHEDULE

COATING	EXTERNAL	INTERNAL
Surface Prep		
Primer		
Finish Coat		
Insulation Thickness	2"	
Material		
Cladding		

NOZZLE SCHEDULE

MK	Size/Type	Service	Projection	Radial CL
N1	4" OPEN (AS REQUIRED)	MIXER MOUNT	-	CENTER
N2	4" FLG	VENT	6"	1'-6"
N3	4" FLG	OVERFLOW (NOTE 2)	6"	SIDE
N4	1" FLG	OUTLET/DRAIN (NOTE 3)	6"	SIDE
N5	4" FLG	FILL (NOTE 2)	6"	1'-0"
N6	6" FLG (AS REQUIRED)	RADAR LEVEL TRANSMITTER	6"	2'-0"

ACCESSORIES

Level Indicator	X	Ladder ☐ Int ☐ Ext	
Temperature Probe		Ladder Material	
Heat Trace		Walkway	
Insulate	X	Platform ☐ Clips	
Min Design Temp	10 °F	Anchor Lugs	X
Max Design Temp	120 °F	Lifting Lugs	X
Exterior Pigmented Gel Coat		Thief Hatch	
Sight Tube		Access Manways	
Gallorage Tape		Siphon Drain	
Sump		Vortex Breaker	
Down Corner ☐ Int ☐ Ext		Inlet Baffle	

NOTES:

- SEE SPECIFICATIONS AND DRAWINGS FOR ADDITIONAL INFO.
- EXTEND FILL LINE (N6) AND OVERFLOW (N4) TO 12" FROM TANK BOTTOM. PROVIDE LATERAL SUPPORTS.
- OUTLET AND DRAIN (N5) SHALL BE LOCATED AT INVERT OF TANK.
- ALL NOZZLES SHALL BE CONICAL GUSSET.

END OF SECTION

DUCTBANK E1
60PB1-P1
CP-85PLC1-N2
60SC3-N1

DUCTBANK E2
60SCP1-N1
60ACP1-N1
CP-60PLC1-N1

102TB1-C1	102PTB1-C1	501TS101-C1
102TB2-C1	102PSH1-C1	501TSH1-C1
501PSH1-C1	LCP-102P1-C1	LCP-501B1-C1
501TS102-C1	102PTB2-C1	501PS102-C1
501HS1-C1	102PSH2-C1	501PDS2-C1
501PSH2-C1	LCP-102P2-C1	501TE2-C1
501TS202-C1	102PTB3-C1	501PS201-C1
501HS2-C1	102PSH3-C1	501TS201-C1
501PSH3-C1	LCP-102P3-C1	501TSH2-C1
501TS302-C1	102PTB4-C1	LCP-501B2-C1
501HS3-C1	102PSH4-C1	501PS202-C1
501PDS1-C1	LCP-102P4-C1	501PDS3-C1
501TE1-C1	101CG1-C1	501TE3-C1
501PS101-C1	101CG2-C1	501PS301-C1
501CV101-C1	101CG3-C1	501TS301-C1
501CV201-C1	101CG4-C1	501TSH3-C1
501CV301-C1	101CG5-C1	LCP-501B3-C1
501FCV1-C1	101CG6-C1	501PS302-C1
501FCV2-C1	501CV103-C1	501PDS4-C1
501CV102-C1	501CV203-C1	501TE4-C1
501CV202-C1	501CV303-C1	501PS401-C1
501CV302-C1	501TS401-C1	501PS402-C1
501TB1-C1	501TSH4-C1	
501TB2-C1	LCP-501B4-C1	

DUCTBANK E4
20MPZ-L7
20MPZ-L8
20MPZ-L9
461FIT001-S1

DUCTBANK E6
85LP-L31

DUCTBANK F
CP-401UV1-P1
CP-401UV3-P1
CP-401UV5-P1
CP-401UV2-P1
CP-401UV4-P1
CP-40PLC-N1
CP-20PLC1-N1
70LP1-L7

DUCTBANK E5
CP-202PLC1-P1
LCP-201GW1-P1
CP-20PLC1-P1
CP-202PLC2-P1
CP-202PLC3-P1
CP-20PLC2-P1
LCP-201GW2-P1
20MPZ-P1
20MPZ-L7
20MPZ-L8
20MPZ-L9
CP-10PLC1-N1
CP-20PLC1-N1
461FIT001-S1

501P1-P1	501PS101-C1	85LP-L49	LCP-501B4-C1
501P3-P1	501TS101-C1	85LP-L18	501PS402-C1
501B1-P1	501TSH1-C1	85LP-L20	501PIT1-S1
501B3-P1	LCP-501B1-C1	85LP-L28	501PIT2-S1
501P2-P1	501PS102-C1	85LP-L40	501PIT3-S1
501P4-P1	501PDS2-C1	85LP-L42	501CV101-C1
501B2-P1	501TE2-C1	85LP-L44	501CV201-C1
501B4-P1	501PS201-C1	85LP-L46	501CV301-C1
501CV101-P1	501TS201-C1	85LP-L48	501FCV1-C1
501CV201-P1	501TSH2-C1	85LP-L50	501FCV2-C1
501CV301-P1	LCP-501B2-C1	501PSH1-C1	501LIT1-S1
501CV102-P1	501PS202-C1	501TS102-C1	501LIT2-S1
501CV202-P1	501PDS3-C1	501HS1-C1	501CV102-C1
501CV302-P1	501TE3-C1	501PSH2-C1	501CV202-C1
501CV103-P1	501PS301-C1	501TS202-C1	501CV302-C1
501CV203-P1	501TS301-C1	501HS2-C1	501TB1-C1
501CV303-P1	501TSH3-C1	501PSH3-C1	501TB2-C1
85LP-L17	LCP-501B3-C1	501TS302-C1	501FIT001-S1
85LP-L19	501PS302-C1	501HS3-C1	501FCV1-P1
85LP-L39	501PDS4-C1	501PDS1-C1	501FCV2-P1
85LP-L41	501TE4-C1	501TE1-C1	501CV103-C1
85LP-L43	501PS401-C1	501CV203-C1	85LP-L47
85LP-L45	501TS401-C1	501TSH4-C1	501CV303-C1

DUCTBANK E9
85LP-L31

DUCTBANK E10
CP-25PLC1-N1
CP-10PLC1-N1
CP-60PLC1-N1
CP-10PLC1-P1
CP-10PLC2-P1
CP-10PLC3-P1
10MPZ-P1
101CG1-C1
101CG2-C1
101CG3-C1
101CG4-C1
101CG5-C1
101CG6-C1
102LIT1-S1
102LIT2-S1

DUCTBANK H
85LP-L1
85LP-L29
85SC2-N1
85LP-L27

DUCTBANK E11	
VFD-102P1-P1	102PTB2-C1
VFD-102P2-P1	102PSH2-C1
VFD-102P3-P1	LCP-102P2-C1
VFD-102P4-P1	102PTB3-C1
10B1-P1	102PSH3-C1
101CG1-P1	LCP-102P3-C1
101CG2-P1	102PTB4-C1
101CG3-P1	102PSH4-C1
101CG4-P1	LCP-102P4-C1
101CG5-P1	101CG1-C1
101CG6-P1	101CG2-C1
102TB1-C1	101CG3-C1
102TB2-C1	101CG4-C1
102PTB1-C1	101CG5-C1
102PSH1-C1	101CG6-C1
LCP-102P1-C1	102LIT1-S1
102PIT001-S1	102LIT2-S1

DUCTBANK E12
CP-25PLC1-P1
251CD101-P1
251CD201-P1
251CD102-P1
251CD202-P1
85LP-L12
85LP-L13
85LP-L14
85LP-L35
85LP-L36
85LP-L37
CP-25PLC1-N1

DUCTBANK E13
501LIT1-S1
501LIT2-S1
501FIT001-S1
CP-85PLC-N1
CP-85PLC-N2
102LIT1-S1
102LIT2-S1
102PIT001-S1
501PIT1-S1
501PIT2-S1
501PIT3-S1
85SC2-N1
85SC3-N1

DUCTBANK E14
85LP-L31
85SC3-N1
85LP-L3

DUCTBANK H1
85LP-L1
85LP-L29
85SC2-N1

DUCTBANK H2
85LP-L29

DUCTBANK H3
60LP1-L27
60SC3-N1
85LP-L27

DUCTBANK H4
60SC3-N1

DUCTBANK F4

351P101-C1	311AIT101-S1	311AIT308-S1
351P101-S1	311FTB101-C1	CP-311MR1-P1
351P102-C1	311CG101-C1	311FIT001-S1
351P102-S1	311CG102-C1	311MIXDS203-C1
351P201-C1	311CG103-C1	311MIXDS204-C1
351P201-S1	311MIXDS102-C1	311AIT203-S1
351P202-C1	311AIT102-S1	311PDS201-C1
351P202-S1	311CV201-C1	311PDS202-C1
LCP-351CP1-S1	311MIXDS101-C1	311FIT002-S1
LCP-351CP2-S1	311MIXDS201-C1	311MIXDS303-C1
371CV101-C1	311AIT201-S1	311MIXDS304-C1
371FIT101-S1	311FTB201-C1	311AIT303-S1
311MIX101-P1	311CG201-C1	311PDS201-C1
311MIX102-P1	311CG202-C1	311PDS302-C1
311MIX103-P1	311CG203-C1	311FIT003-S1
311MIX104-P1	311MIXDS202-C1	311FIT101-S1
311MIX301-P1	311AIT202-S1	311PDS102-C1
311MIX302-P1	311CV301-C1	311FIT301-S1
311MIX303-P1	311MIXDS301-C1	311AIT108-S1
311MIX304-P1	311AIT301-S1	311FIT201-S1
311MIX501-P1	311FTB301-C1	311AIT208-S1
311MIX502-P1	311CG301-C1	311MIX201-P1
311MIX503-P1	311CG302-C1	311MIX202-P1
311MIX504-P1	311CG303-C1	311MIX203-P1
311P101-P1	311MIXDS302-C1	311MIX204-P1
311P102-P1	311AIT302-S1	311CV101-C1
311P201-P1	311MIXDS103-C1	311PDS101-C1
311P202-P1	311MIXDS104-C1	311P302-P1
311P301-P1	311AIT103-S1	

DUCTBANK K

VFD-102P1-P1	501CV201-P1	85LP-L27
VFD-102P2-P1	501CV301-P1	101CG1-P1
CP-10PLC1-P1	501CV102-P1	101CG2-P1
LCP-201GW1-P1	501CV202-P1	101CG3-P1
CP-202PLC1-P1	501CV302-P1	101CG4-P1
CP-202PLC1-P1	501CV103-P1	101CG5-P1
501P1-P1	501CV203-P1	101CG6-P1
501P3-P1	501CV303-P1	501FCV1-P1
501B1-P1	85LP-L13	501FCV2-P1
501B3-P1	85LP-L17	501B4-P1
60PB1-P1	85LP-L19	LCP-201GW2-P1
VFD-102P3-P1	85LP-L35	10MPZ-P1
VFD-102P4-P1	85LP-L37	10B1-P1
CP-10PLC2-P1	85LP-L39	20MPZ-P1
CP-10PLC3-P1	85LP-L41	251CD101-P1
CP-202PLC2-P1	85LP-L43	251CD201-P1
CP-202PLC3-P1	85LP-L45	251CD102-P1
CP-25PLC1-P1	85LP-L47	251CD202-P1
CP-202PLC2-P1	85LP-L49	501CV101-P1
CP-20PLC2-P1	85LP-L12	85LP-L44
501P2-P1	85LP-L14	85LP-L46
501P4-P1	85LP-L18	85LP-L48
501B2-P1	85LP-L20	85LP-L50
85LP-L40	85LP-L28	85LP-L1
85LP-L42	85LP-L36	85LP-L3

DUCTBANK F5

321FTB201-C1	341B101-P1
321FTB301-C1	341B103-P1
321FTB401-C1	341B201-P1
321MIXDS3-C1	341B203-P1
321LT501-S1	341B205-P1
321FTB501-C1	341B102-P1
321MIXDS4-C1	341B104-P1
321PT101-S1	341B202-P1
321PT201-S1	341B204-P1
321PT301-S1	321MIX1-P1
321PT401-S1	321MIX2-P1
321LTB101-S1	321MIX3-P1
321LTB201-S1	321MIX4-P1
321LTB301-S1	311FTB1-C1
321LTB401-S1	321MIXDS1-C1
321LSL102-C1	311FTB104-C1
321LSL202-C1	321MIXDS2-C1
321LSL302-C1	321FTB101-C1
321LSL402-C1	

DUCTBANK F6
70LP1-L31

DUCTBANK G

451P1-P1	451AIT001-S1
451P3-P1	451LIT001-S1
451P2-P1	451LIT002-S1
451P4-P1	451PIT001-S1
LCP-451P-C1	451T2001-S1
LCP-451P-C2	451FIT001-S1
LCP-451P-C3	451CV001-C1
LCP-451P-C4	CP-451ABF1-C1
451TSH1-C1	40LP1-L5
451TSH1-S1	40LP1-L6
451TSH2-C1	40LP1-L7
451PSH2-C1	40LP1-L9
451TSH3-C1	40LP1-L15
451PSH3-C1	40LP1-L16
451TSH4-C1	40LP1-L18
451PSH4-C1	40LP1-L19
451TB1-C1	40LP1-L20
451TB2-C1	40LP1-L21
451AIT001-C1	40LP1-L22
	40LP1-L23

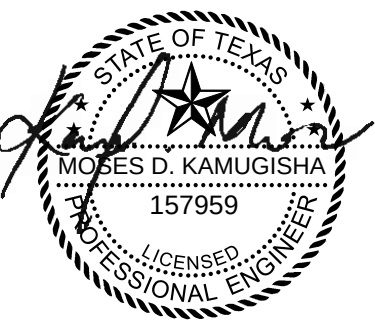
DUCTBANK J
70LP1-L29
70LP1-L36
70LP1-L46

DUCTBANK I
70LP1-L29

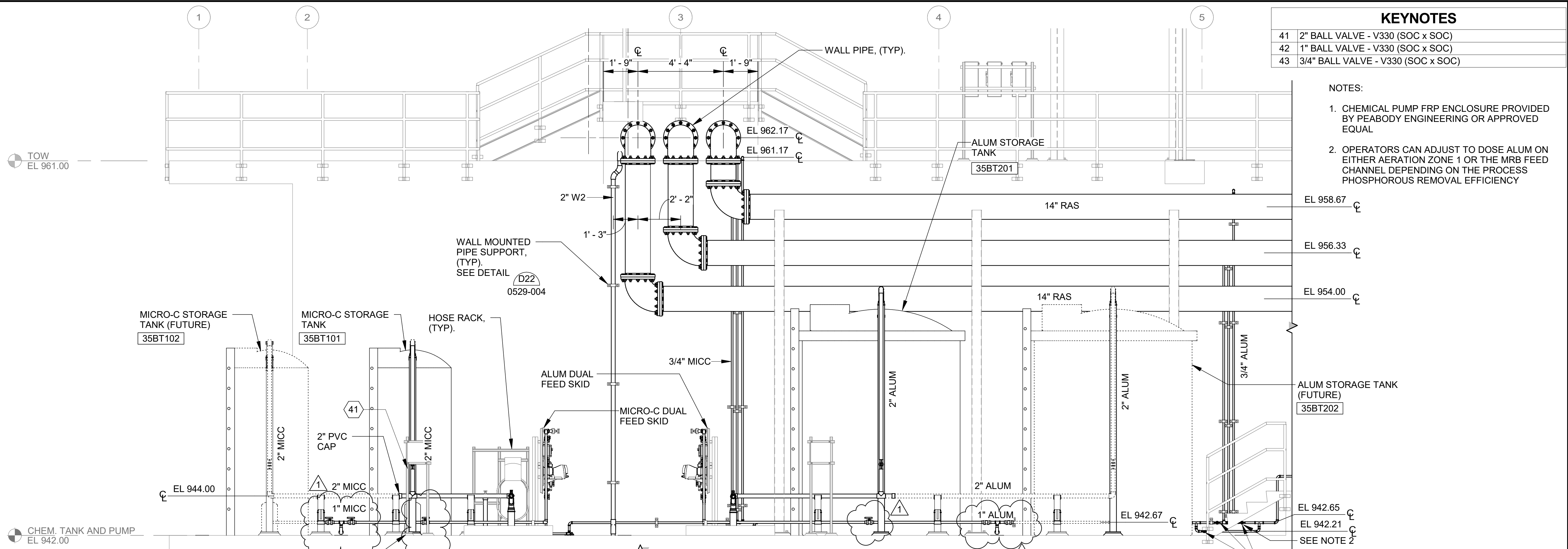
DUCTBANK I1
70LP1-L46

DUCTBANK G1

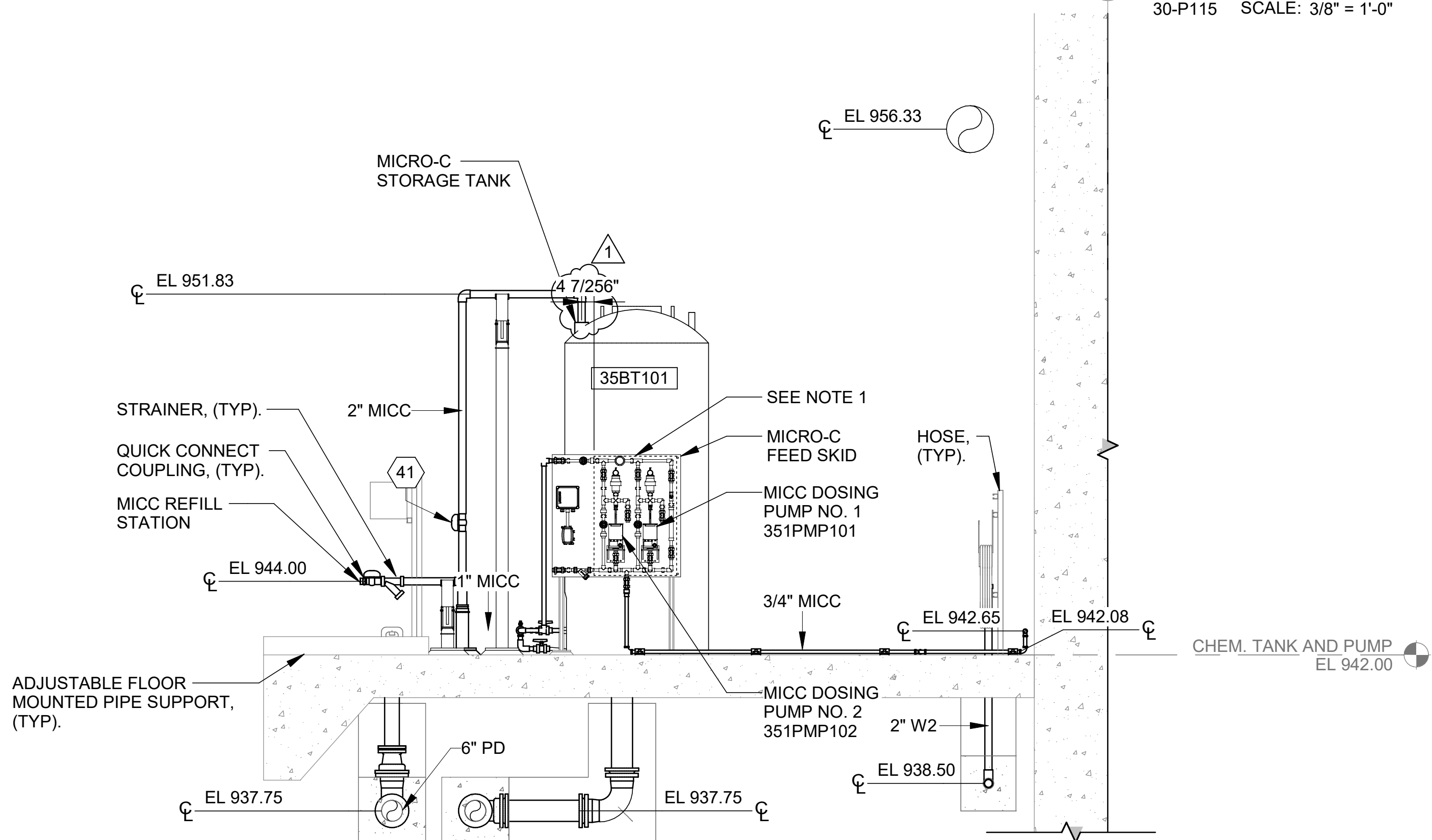
331P101-P1	311MIX303-P1	311P401-P1	311AIT102-S1	311FIT001-S1	361FIT501-S1	LCP-451P-C1
331P103-P1	311MIX304-P1	311P402-P1	311CV201-C1	311MIXDS203-C1	361FCV1-C1	LCP-451P-C2
331P105-P1	331P201-P1	311P501-P1	311MIXDS201-C1	311MIXDS204-C1	361FCV1-S1	LCP-451P-C3
331P107-P1	331P202-P1	311P502-P1	311AIT201-S1	311AIT203-S1	361FCV2-C1	LCP-451P-C4
341B101-P1	311P101-P1	311P601-P1	311FTB201-C1	311PDS201-C1	361FCV2-S1	451TSH1-C1
341B102-P1	311P102-P1	311P602-P1	311CG201-C1	311PDS202-C1	361FCV3-C1	451PSH1-C1
341B103-P1	311P301-P1	331P105-P1	311CG202-C1	311FIT002-S1	361FCV3-S1	451TSH2-C1
341B104-P1	311P302-P1	331P106-P1	311CG203-C1	311MIXDS303-C1	361FCV4-C1	451PSH2-C1
341B201-P1	311P501-P1	331P107-P1	311MIXDS202-C1	311MIXDS304-C1	361FCV4-S1	451TSH3-C1
341B202-P1	311P502-P1	331P108-P1	311AIT202-S1	311AIT303-S1	361FCV5-C1	451PSH3-C1
341B203-P1	311MIX201-P1	331P203-P1	311CV301-C1	311PDS301-C1	361FCV5-S1	451TSH4-C1
341B204-P1	311MIX202-P1	331P204-P1	311MIXDS301-C1	311PDS302-C1	361AIT101-S1	451PSH4-C1
341B205-P1	311MIX203-P1	341B105-P1	311AIT301-S1	311FIT003-S1	361AIT201-S1	451TB1-C1
361P1-P1	311MIX204-P1	341B106-P1	311FTB301-C1	311FIT101-S1	361AIT301-S1	451TB2-C1
361P3-P1	311P201-P1	341B107-P1	311CG301-C1	311AIT108-S1	361AIT401-S1	451AIT001-C1
361P5-P1	311P202-P1	341B108-P1	311CG302-C1	311FIT201-S1	361AIT501-S1	451AIT001-S1
361P7-P1	311P401-P1	311MIX401-P1	311CG303-C1	321FTB301-C1	331PSL501-C1	451LIT001-S1
361P9-P1	311P402-P1	311MIX402-P1	311MIXDS302-C1	321FTB401-C1	331PSL601-C1	451LIT002-S1
CP-401UV1-P1	311P601-P1	311MIX403-P1	311AIT302-S1	321MIXDS3-C1	331PSH501-C1	311P401-C1
CP-401UV3-P1	311P602-P1	311MIX404-P1	311AIT208-S1	321LT501-S1	331PSH601-C1	311P402-C1
CP-401UV5-P1	321MIX201-P1	311MIX501-P1	311FIT301-S1	321FTB501-C1	331PSL101-C1	311P501-C1
451P1-P1	311CV101-C1	311MIX502-P1	341FIT201-S1	321MIXDS4-C1	331PSL201-C1	311P502-C1
451P3-P1	311MIXDS101-C1	311MIX503-P1	341FIT202-S1	361PSL101-C1	331PSL301-C1	311P601-C1
401CV1-P1	311AIT101-S1	311MIX504-P1	341FIT203-S1	361PSL201-C1	331PSL401-C1	311P602-C1
401CV2-P1	311FTB101-C1	311MIX601-P1	341FIT204-S1	361PSL301-C1	331PSH101-C1	331P105-C1
401CV3-P1	311CG101-C1	311MIX602-P1	341PIT201-S1	361PSL401-C1	331PSH201-C1	331P106-C1
401CV4-P1	311CG102-C1	311MIX603-P1	341PIT202-S1	361PSL501-C1	331PSH301-C1	331P107-C1
401CV5-P1	311CG103-C1	311MIX604-P1	341PIT203-S1	361PSH101-C1	331PSH401-C1	331P108-C1
331P102-P1	321FTB101-C1	341B206-P1	341PIT204-S1	361PSH201-C1	331FIT101-S1	361P6-C1
331P104-P1	321FTB201-C1	341B207-P1	311PDS101-C1	361PSH301-C1	331FIT201-S1	361P7-C1
331P106-P1	311MIXDS102-C1	341B208-P1	311PDS102-C1	361PSH401-C1	331FIT401-S1	361P8-C1
331P108-P1	CP-451ABF1-C1	341B209-P1	371CV101-C1	361PSH501-C1	341B101-C1	361P9-C1
361P2-P1	311AIT308-S1	341B210-P1	371FIT101-S1	361FIT101-S1	341B102-C1	361P10-C1
361P4-P1	311FTB1-C1	CP-311MR1-P1	341B206-C1	361FIT201-S1	341B103-C1	331P203-C1
361P6-P1	321MIXDS1-C1	70LP1-L7	341B207-C1	361FIT301-S1	341B104-C1	331P204-C1
361P8-P1	311FTB104-C1	70LP-L31	341B208-C1	361FIT401-S1	341B201-C1	341B105-C1
361P10-P1	321MIXDS2-C1	70LP-L46	341B209-C1	351P202-S1	341B202-C1	341B106-C1
CP-401UV2-P1	70LP1-L2	60ACP1-N1	341B210-C1	LCP-351CP1-S1	341B203-C1	341B107-C1
CP-401UV4-P1	70LP1-L4	CP-85PLC-N1	321PT101-S1	LCP-351CP2-S1	341B204-C1	341B108-C1
451P2-P1	CP-70RAD-N1	CP-40PLC-N1	321PT201-S1	321LSL102-C1	341B205-C1	311MIX401-C1
451P4-P1	451PIT001-S1	311MIXDS103-C1	321PT301-S1	321LSL202-C1	351P101-C1	311MIX402-C1
311MIX101-P1	451ZT001-S1	311MIXDS104-C1	321PT401-S1	321LSL302-C1	351P101-S1	311MIX403-C1
311MIX102-P1	451FIT001-S1	60SCP1-N1	321LTB101-S1	321LSL402-C1	351P102-C1	311MIX404-C1
311MIX103-P1	451CV001-C1	85SCP1-N1	321LTB201-S1	331PSH701-C1	351P102-S1	311MIX501-C1
311MIX104-P1	321MIX1-P1	331P301-P1	321LTB301-S1	331PSL701-C1	351P201-C1	311MIX502-C1
311MIX301-P1	321MIX2-P1	331P302-P1	321LTB401-S1	331PSH801-C1	351P201-S1	311MIX503-C1
311MIX302-P1	321MIX3-P1	321MIX4-P1	311AIT103-S1	331PSL801-C1	351P202-C1	311MIX504-C1
			331TS101-C1	331TS201-C1	361TS101-C1	311MIX601-C1
			331TS102-C1	331TS202-C1	361TS201-C1	311MIX602-C1
			331TS103-C1	331TS301-C1	361TS301-C1	311MIX603-C1
			331TS104-C1	331TS302-C1	361TS401-C1	311MIX604-C1



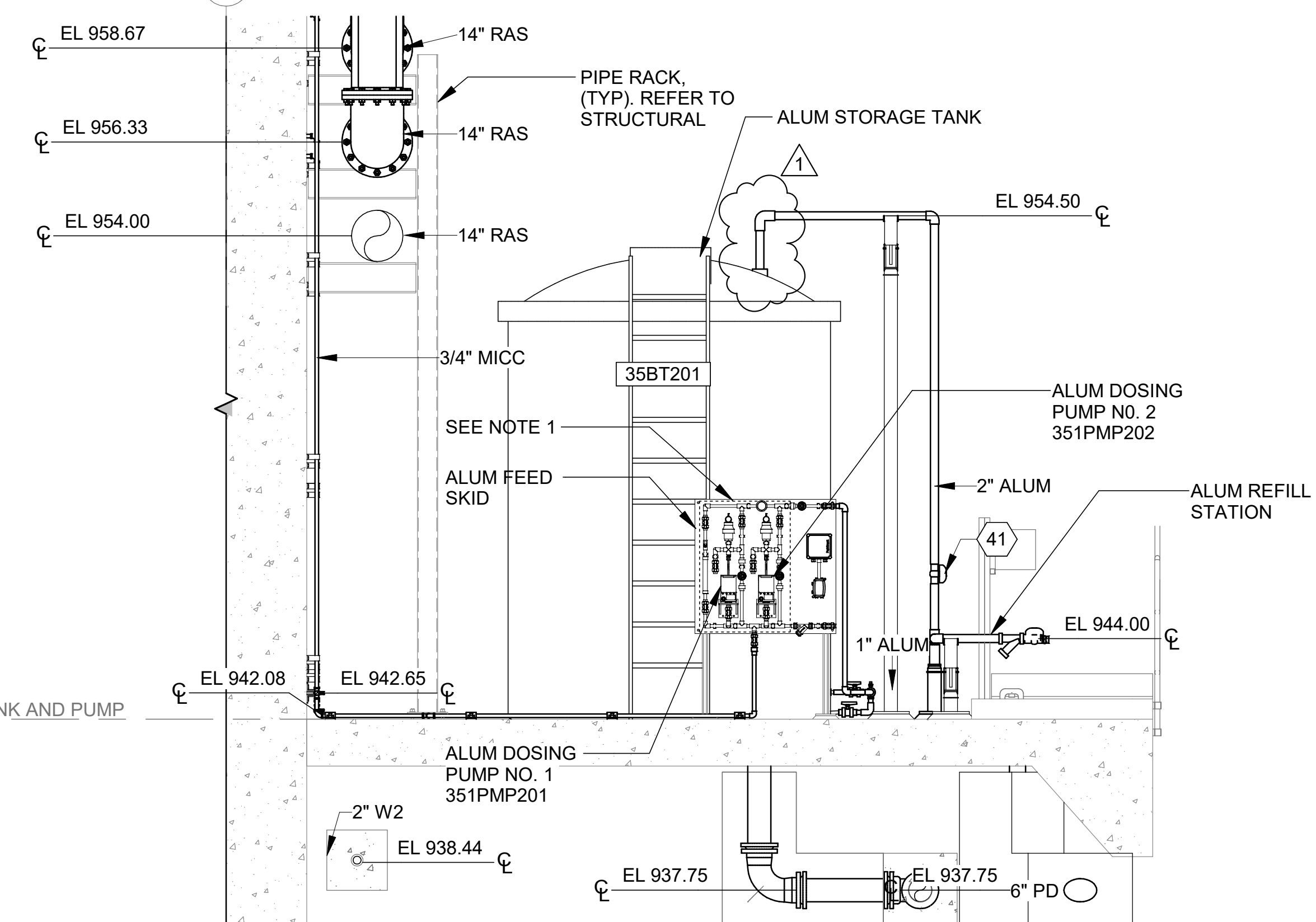
Revit File: Autodeskt Docs\W07-2401219 - Liberty Hill North Fork WWTP Design\W07-2401219_30_PROCESS TRAINS_PROCESS.rvt
Plot Date: 9/10/2026 5:43:33 PM



SECTION AT CHEMICAL STORAGE
30-P115 SCALE: 3/8" = 1'-0"



SECTION 2
30-P115 SCALE: 3/8" = 1'-0"



SECTION 3
30-P115 SCALE: 3/8" = 1'-0"

© 2026 GARVER, LLC
THIS DOCUMENT, ALONG WITH THE IDEAS AND DESIGNS CONVEYED HEREIN, SHALL BE CONSIDERED INSTRUMENTS OF PROFESSIONAL SERVICE AND ARE PROPERTY OF GARVER, LLC. ANY USE, REPRODUCTION, OR DISTRIBUTION OF THIS DOCUMENT, ALONG WITH THE IDEAS AND DESIGN CONTAINED HEREIN, IS PROHIBITED UNLESS AUTHORIZED IN WRITING BY GARVER, LLC OR EXPLICITLY ALLOWED IN THE GOVERNING PROFESSIONAL SERVICES AGREEMENT FOR THIS WORK.

REGISTRATION NO. F-5713

NICOLE E. ROWLETTE
148483
Professional Engineer
9/11/26

REV	DATE	DESCRIPTION
1	09/11/26	ADDENDUM NO.3

CITY OF LIBERTY HILL
LIBERTY HILL, TX

LIBERTY HILL • LIVING OUR SMALL TOWN DREAM

CHEMICAL STORAGE AND FEED SECTIONS

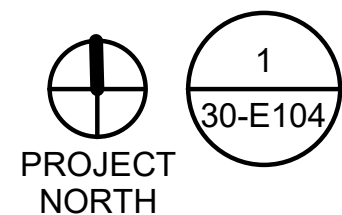
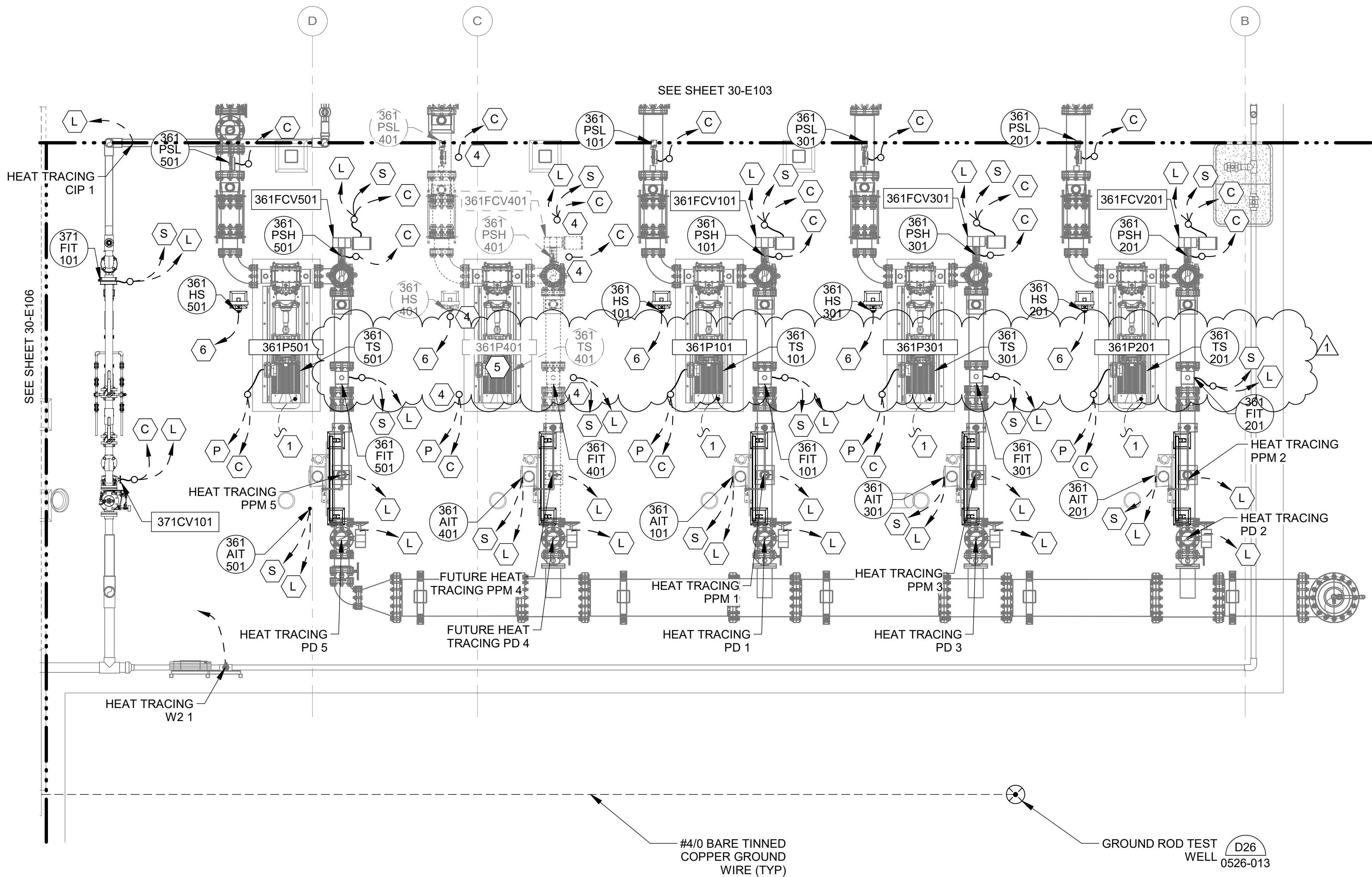
JOB NO.: W07-2401219
DATE: AUG. 2026
DESIGNED BY: AOL
DRAWN BY: CIW
CHECKED BY: NER

BAR IS ONE INCH ON ORIGINAL DRAWING
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY.

DRAWING NUMBER
30-P306

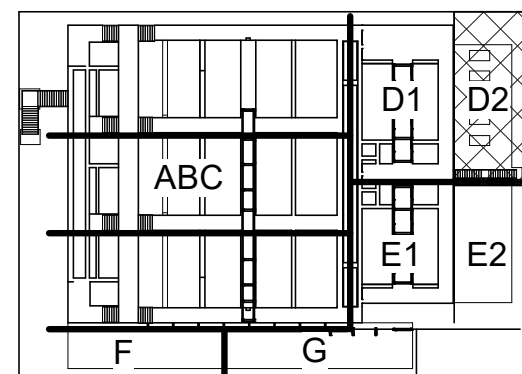
SHEET NUMBER
292

Revit File: AutodesK Docs\W07-2401219 - Liberty Hill North Fork WWTP Design\W07-2401219_30_PROCESS TRAINS ELECTRICAL.rvt
Plot Date: 9/4/2026 4:12:40 PM



PERMEATE PUMP STATION POWER AND GROUNDING - AREA D2

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



KEY PLAN

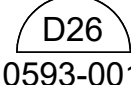
CIRCUIT LEGEND

C	FOR CONTROL CONDUIT AND CONDUCTORS TO PLC, SEE INTERCONNECTION DIAGRAMS STARTING ON SHEET 30-E501.
L	FOR 120/208VAC CONDUIT AND CONDUCTORS, SEE LIGHTING PANEL SCHEDULE ON SHEET 30-E601.
P	FOR 480VAC CONDUIT AND CONDUCTORS, SEE ONE-LINE DIAGRAMS ON SHEET 90-E507.
S	FOR SIGNAL CONDUIT AND CONDUCTORS TO PLC, SEE INTERCONNECTION DIAGRAMS STARTING ON SHEET 30-E501.

KEYNOTES

1	TO GROUND ROD TEST WELL.
2	FOR CONTROL CONDUIT AND CONDUCTORS TO PLC, SEE INTERCONNECTION DIAGRAMS STARTING ON SHEET 30-E501. TYPICAL FOR EACH E-STOP.
3	INSTRUMENTS LOCATED AT DIFFERENT ELEVATIONS. FLEXIBLE CONDUIT SHALL BE ROUTED TO EACH INSTRUMENT. REFER TO PROCESS PLANS FOR EXACT INSTRUMENT LOCATION.
4	CONDUIT SHALL BE CUT AND CAPPED A MINIMUM OF 6 INCHES ABOVE CONCRETE SLAB OR FINISHED GRADE.
5	CONTRACTOR TO PROVIDE 1" CONDUIT SLEEVE WITH PULLSTRING FROM EQUIPMENT TO GROUND ROD TEST WELL.
6	CONTRACTOR TO PROVIDE 1" CONDUIT WITH 2-#14, #14 GND FROM E-STOP TO CORRESPONDING MOTOR STARTER PANEL.

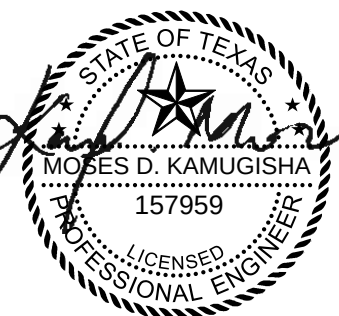
NOTES:

- REFER TO SECTION "01-GENERAL" FOR GENERAL ELECTRICAL NOTES.
- UNLESS OTHERWISE NOTED, ALL CONDUIT TO BE ROUTED UNDERGROUND. ALL EXPOSED CONDUIT AND PORTIONS OF THE CONDUIT SYSTEM FOR THIS STRUCTURE SHALL BE SURFACE MOUNTED AND THE CONDUIT SYSTEM SHALL BE ALUMINUM. ALL BELOW GRADE CONDUIT SHALL BE SCHEDULE 40 PVC WITH GALVANIZED ELBOW IN CONCRETE SLAB OR ENCASEMENT. PVC SHALL CONVERT TO PVC COATED ALUMINUM THROUGH THE CONCRETE SLAB THEN CONVERT TO ALUMINUM.
- CONTRACTOR SHALL COORDINATE CONDUIT, WIRE AND INTERCONNECTIONS AS REQUIRED BY EQUIPMENT SUPPLIER. MAKE ALL REQUIRED CONNECTIONS ACCORDING TO MANUFACTURERS RECOMMENDATIONS. NOT ALL CONNECTIONS SHOWN.
- SOME CONDUIT RUNS OMITTED FOR CLARITY. COORDINATE ALL CONDUIT ROUTING WITH SUPPLIED EQUIPMENT MANUFACTURER AND ENGINEER PRIOR TO INSTALLATION.
- FOR TYPICAL MOTOR CONNECTIONS SEE DETAIL:  0593-001



© 2026 GARVER, LLC
THIS DOCUMENT, ALONG WITH THE IDEAS AND DESIGNS CONVEYED HEREIN, SHALL BE CONSIDERED INSTRUMENTS OF PROFESSIONAL SERVICE AND ARE PROPERTY OF GARVER, LLC. ANY USE, REPRODUCTION, OR DISTRIBUTION OF THIS DOCUMENT, ALONG WITH THE IDEAS AND DESIGN CONTAINED HEREIN, IS PROHIBITED UNLESS AUTHORIZED IN WRITING BY GARVER, LLC OR EXPLICITLY ALLOWED IN THE GOVERNING PROFESSIONAL SERVICES AGREEMENT FOR THIS WORK.

REGISTRATION NO.
F-5713



Digitally Signed 09/11/2026

REV	DATE	DESCRIPTION	BY
1	09/11/26	ADDENDUM #3	MDK



CITY OF LIBERTY HILL
LIBERTY HILL, TX

LIBERTY HILL NORTH FORK WWTP

PERMEATE PUMP
STATION POWER AND
GROUNDING - AREA
D2

JOB NO.: W07-2401219
DATE: AUG. 2026
DESIGNED BY: MDK
DRAWN BY: CM
CHECKED BY: BSC

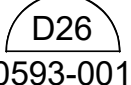
BAR IS ONE INCH ON
ORIGINAL DRAWING 1"
IF NOT ONE INCH ON THIS SHEET,
ADJUST SCALES ACCORDINGLY.

DRAWING NUMBER

30-E104

SHEET
NUMBER **320**

NOTES:

1. REFER TO SECTION "01-GENERAL" FOR GENERAL ELECTRICAL NOTES.
2. UNLESS OTHERWISE NOTED, ALL CONDUIT TO BE ROUTED UNDERGROUND. ALL EXPOSED CONDUIT AND PORTIONS OF THE CONDUIT SYSTEM FOR THIS STRUCTURE SHALL BE SURFACE MOUNTED AND THE CONDUIT SYSTEM SHALL BE ALUMINUM. ALL BELOW GRADE CONDUIT SHALL BE SCHEDULE 40 PVC WITH GALVANIZED ELBOW IN CONCRETE SLAB OR ENCASEMENT. PVC SHALL CONVERT TO PVC COATED ALUMINUM THROUGH THE CONCRETE SLAB THEN CONVERT TO ALUMINUM.
3. CONTRACTOR SHALL COORDINATE CONDUIT, WIRE AND INTERCONNECTIONS AS REQUIRED BY EQUIPMENT SUPPLIER. MAKE ALL REQUIRED CONNECTIONS ACCORDING TO MANUFACTURERS RECOMMENDATIONS. NOT ALL CONNECTIONS SHOWN.
4. SOME CONDUIT RUNS OMITTED FOR CLARITY. COORDINATE ALL CONDUIT ROUTING WITH SUPPLIED EQUIPMENT MANUFACTURER AND ENGINEER PRIOR TO INSTALLATION.
5. FOR TYPICAL MOTOR CONNECTIONS SEE DETAIL: 

CIRCUIT LEGEND

C	FOR CONTROL CONDUIT AND CONDUCTORS TO PLC, SEE INTERCONNECTION DIAGRAMS STARTING ON SHEET 30-E501.
L	FOR 120/208VAC CONDUIT AND CONDUCTORS, SEE LIGHTING PANEL SCHEDULE ON SHEET 30-E601.
P	FOR 480VAC CONDUIT AND CONDUCTORS, SEE ONE-LINE DIAGRAMS ON SHEET 90-E511.
S	FOR SIGNAL CONDUIT AND CONDUCTORS TO PLC, SEE INTERCONNECTION DIAGRAMS STARTING ON SHEET 30-E501.

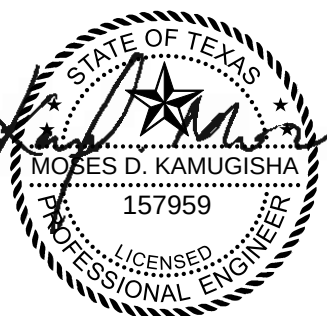
KEYNOTES

1	TO GROUND ROD TEST WELL.
2	CONDUIT SHALL BE CUT AND CAPPED A MINIMUM OF 6 INCHES ABOVE CONCRETE SLAB OR FINISHED GRADE.
3	CONTRACTOR TO PROVIDE 1" CONDUIT SLEEVE WITH PULLSTRING FROM EQUIPMENT TO GROUND ROD TEST WELL.
4	CONTRACTOR TO PROVIDE 1" CONDUIT WITH 2-#14, #14 GND FROM E-STOP TO CORRESPONDING MOTOR STARTER PANEL.



© 2026 GARVER, LLC
THIS DOCUMENT, ALONG WITH THE
IDEAS AND DESIGNS CONVEYED
HEREIN, SHALL BE CONSIDERED
INSTRUMENTS OF PROFESSIONAL
SERVICE AND ARE PROPERTY OF
GARVER, LLC. ANY USE,
REPRODUCTION, OR DISTRIBUTION
OF THIS DOCUMENT, ALONG WITH
THE IDEAS AND DESIGN CONTAINED
HEREIN, IS PROHIBITED UNLESS
AUTHORIZED IN WRITING BY
GARVER, LLC OR EXPLICITLY
ALLOWED IN THE GOVERNING
PROFESSIONAL SERVICES
AGREEMENT FOR THIS WORK.

REGISTRATION NO.
F-5713



Digitally Signed 09/11/2026

BY	MDK		
DESCRIPTION	ADDENDUM #3		
DATE	09/11/26		
REV	1		



CITY OF LIBERTY HILL
LIBERTY HILL, TX

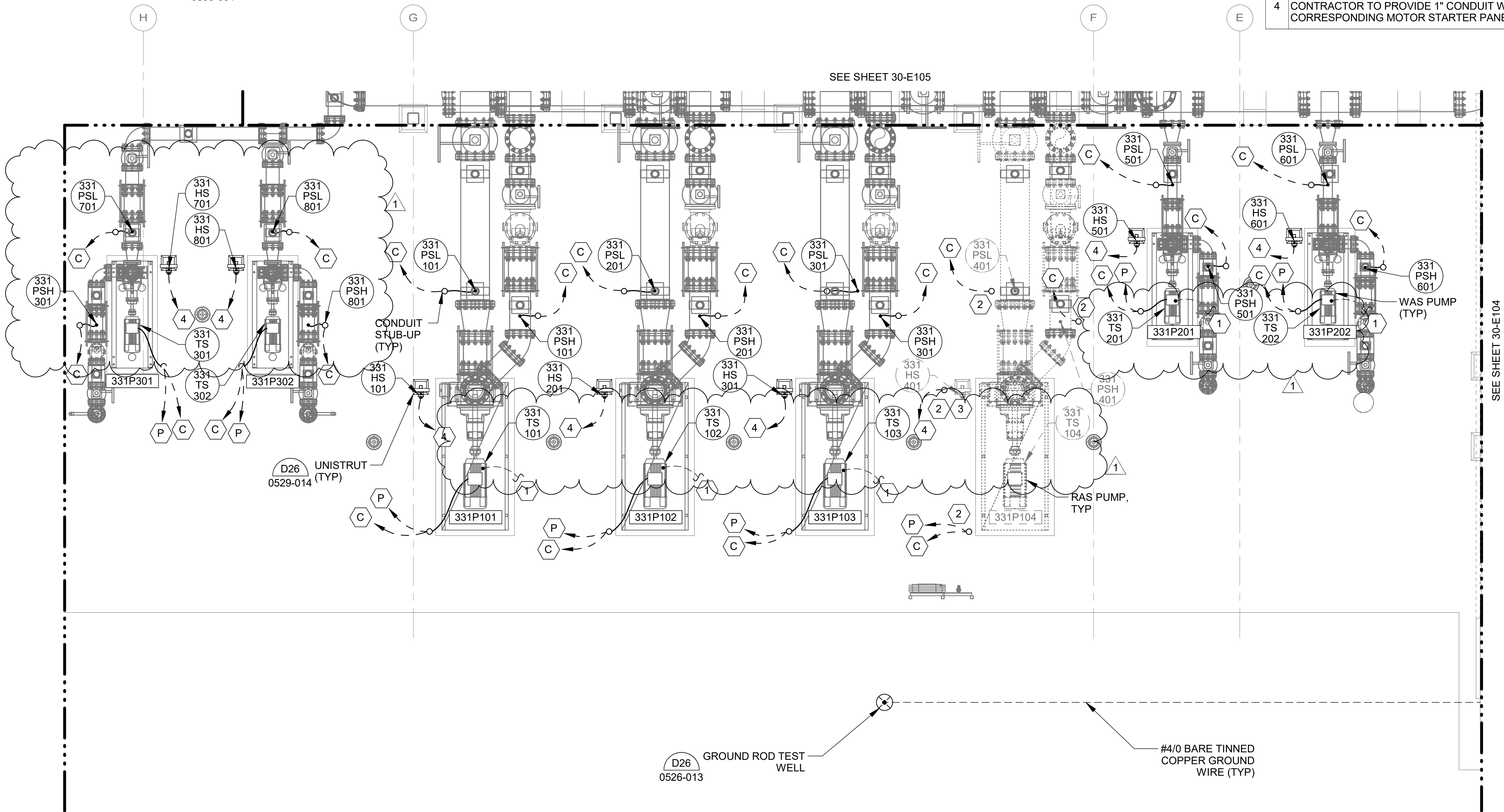
LIBERTY HILL NORTH FORK WWTP

RAS/WAS PUMP
STATION POWER AND
GROUNDING - AREA
E2

JOB NO.: W07-2401219
DATE: AUG. 2026
DESIGNED BY: MDK
DRAWN BY: CM
CHECKED BY: BSC

BAR IS ONE INCH ON
ORIGINAL DRAWING
0 1"
IF NOT ONE INCH ON THIS SHEET,
ADJUST SCALES ACCORDINGLY.

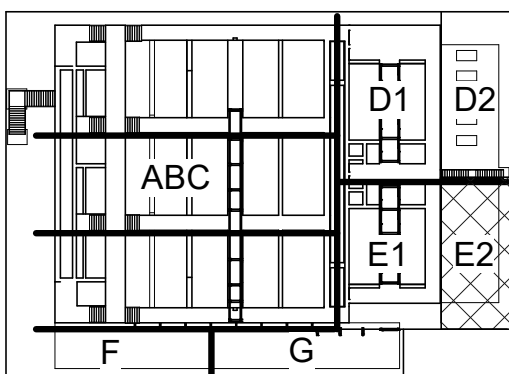
DRAWING NUMBER
30-E106
SHEET
NUMBER **322**



1
30-E106

RAS/WAS PUMP STATION POWER AND GROUNDING - AREA E2

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



KEY PLAN

Revit File: Autodesk Docs\\W07-2401219 - Liberty Hill North Fork WWTP Design\\W07-2401219_30_PROCESS TRAINS ELECTRICAL.rvt
Plot Date: 9/4/2026 4:13:07 PM

FACILITY 30	
ELECTRICAL EQUIPMENT	
TAG	DESCRIPTION
311CV101	ANAEROBIC BASIN NO. 1 CONTROL VALVE
311MIXDS101	ANAEROBIC BASIN NO. 1 ZONE 1 MIXER DISCONNECT SWITCH
311AE101	ANAEROBIC BASIN NO. 1 ZONE 1 ORP PROBE
311AIT101	ANAEROBIC BASIN ZONE 1 ORP TRANSMITTER
311LSH101	ANAEROBIC BASIN NO.1 ZONE 1 HIGH LEVEL SWITCH
311LSH102	ANAEROBIC BASIN NO. 1 ZONE 2 HIGH LEVEL SWITCH
311LSH103	ANAEROBIC BASIN NO. 1 SPLITTER HIGH LEVEL SWITCH
311LSL101	ANAEROBIC BASIN NO. 1 ZONE 2 LOW LEVEL SWITCH
311CG101	ANAEROBIC BASIN NO. 1 CONTROL GATE NO. 1
311CG102	ANAEROBIC BASIN NO. 1 CONTROL GATE NO. 2
311CG103	ANAEROBIC BASIN NO. 1 CONTROL GATE NO. 3
311MIXDS102	ANAEROBIC BASIN NO. 1 ZONE 2 MIXER DISCONNECT SWITCH
311AE102	ANAEROBIC BASIN NO. 1 ZONE 2 ORP PROBE
311AIT102	ANAEROBIC BASIN NO. 1 ZONE 2 ORP TRANSMITTER
311CV201	ANAEROBIC BASIN NO. 2 CONTROL VALVE
311MIXDS201	ANAEROBIC BASIN NO. 2 ZONE 1 MIXER
311AE201	ANAEROBIC BASIN NO. 2 ZONE 1 ORP PROBE
311AIT201	ANAEROBIC BASIN NO. 2 ZONE 1 ORP TRANSMITTER
311LSH201	ANAEROBIC BASIN NO. 2 ZONE 1 HIGH LEVEL SWITCH
311LSH202	ANAEROBIC BASIN NO. 2 ZONE 2 HIGH LEVEL SWITCH
311LSH203	ANAEROBIC BASIN NO. 2 SPLITTER HIGH LEVEL SWITCH
311LSL201	ANAEROBIC BASIN NO. 2 ZONE 2 LOW LEVEL SWITCH
311CG201	ANAEROBIC BASIN NO. 2 CONTROL GATE NO. 1
311CG202	ANAEROBIC BASIN NO. 2 CONTROL GATE NO. 2
311CG203	ANAEROBIC BASIN NO. 2 CONTROL GATE NO. 3
311MIXDS202	ANAEROBIC BASIN NO. 2 ZONE 2 MIXER
311AE202	ANAEROBIC BASIN NO. 2 ZONE 2 ORP PROBE
311AIT202	ANAEROBIC BASIN NO. 2 ZONE 2 ORP TRANSMITTER
341TSH204	MBR BLOWER NO. 2 HIGH TEMP SWITCH NO. 2
311MIXDS301	ANAEROBIC BASIN NO. 3 ZONE 1 MIXER
311AE301	ANAEROBIC BASIN NO. 3 ZONE 1 ORP PROBE
311AIT301	ANAEROBIC BASIN NO. 3 ZONE 1 ORP TRANSMITTER
311LSH301	ANAEROBIC BASIN NO. 3 ZONE 1 HIGH LEVEL SWITCH
311LSH302	ANAEROBIC BASIN NO. 3 ZONE 2 HIGH LEVEL SWITCH
311LSH303	ANAEROBIC BASIN NO. 3 SPLITTER HIGH LEVEL SWITCH
311LSL301	ANAEROBIC BASIN NO. 2 ZONE 2 LOW LEVEL SWITCH
311CG301	ANAEROBIC BASIN NO. 3 CONTROL GATE NO. 1
311CG302	ANAEROBIC BASIN NO. 3 CONTROL GATE NO. 2
311CG303	ANAEROBIC BASIN NO. 3 CONTROL GATE NO. 3
311MIXDS302	ANAEROBIC BASIN NO. 3 ZONE 2 MIXER DISCONNECT SWITCH
311AE302	ANAEROBIC BASIN NO. 3 ZONE 2 ORP PROBE
311AIT302	ANAEROBIC BASIN NO. 3 ZONE 2 ORP TRANSMITTER
311FTB101	ANAEROBIC BASIN NO. 1 FLOAT TERMINAL BOX
311FTB201	ANAEROBIC BASIN NO. 2 FLOAT TERMINAL BOX
311FTB301	ANAEROBIC BASIN NO. 3 FLOAT TERMINAL BOX

FACILITY 70	
ELECTRICAL EQUIPMENT	
TAG	DESCRIPTION
CP-30PLC	PROCESS TRAIN CONTROL PANEL
70MCC1	FACILITY 70 MOTOR CONTROL CENTER NO.1
70MCC2	FACILITY 70 MOTOR CONTROL CENTER NO.2



PROCESS TRAINS INTERCONNECTION DIAGRAM 1

SCALE: NOT TO SCALE

KEYNOTES

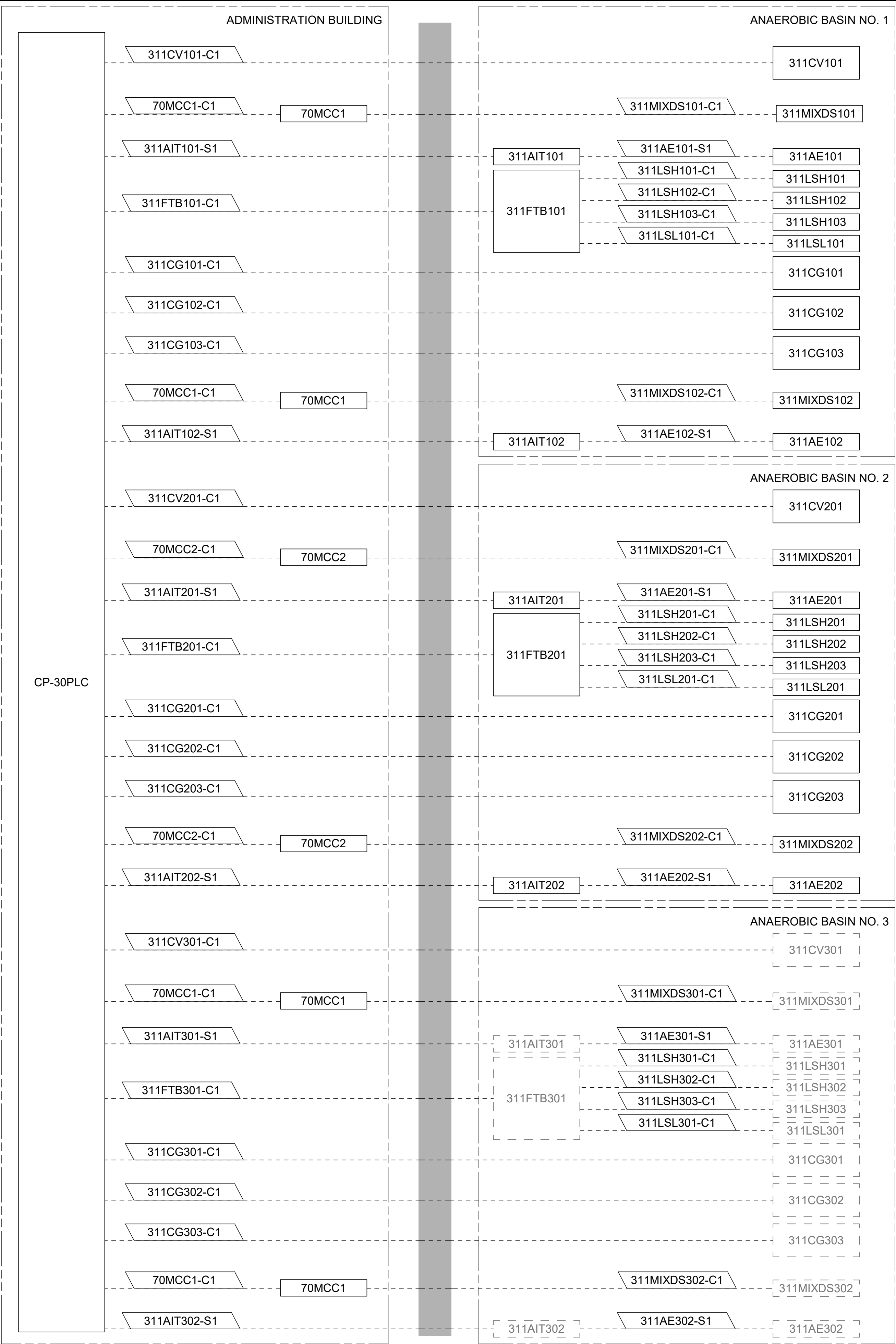
- CONTRACTOR MAY COMBINE CONTROL AND SIGNAL CONDUCTORS OF LIKE VOLTAGES INTO A SINGLE CONDUIT. CONDUITS SHALL BE SIZED TO MEET NEC CONDUCTOR FILL REQUIREMENTS PLUS AN ADDITIONAL 25% EXTRA FILL SPACE. MINIMUM CONDUIT SIZE SHALL BE 3/4" FOR EXPOSED APPLICATIONS AND 1" FOR BELOW GRADE. CONTRACTOR TO PROVIDE JUNCTION BOXES AS NEEDED.

NOTES:

- INTERCONNECT DIAGRAMS ONLY SHOW 120VAC POWER, NETWORK, CONTROL AND SIGNAL CONNECTIONS BETWEEN EQUIPMENT. INTERCONNECT DIAGRAMS DO NOT SHOW ALL JUNCTION BOXES, PULL BOXES, EXACT RACEWAY ROUTING OR COMBINED CONDUCTOR ROUTING.
- ALL CONDUITS ASSOCIATED WITH FUTURE EQUIPMENT SHALL BE SIZED TO MATCH SIMILAR PROPOSED EQUIPMENT.

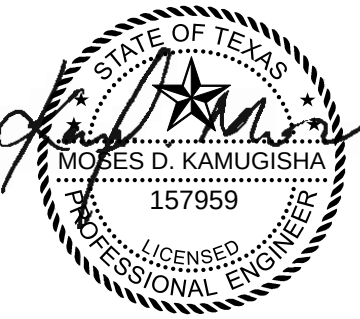
FACILITY 30				
CIRCUIT #	CONDUCTORS	TYPE	FROM EQUIPMENT	TO EQUIPMENT
311CV101-C1	12#14, #14G	CONTROLS	311CV101	CP-30PLC
311MIXDS101-C1	4#14, #14G	CONTROLS	311MIXDS101	70MCC1
311AE101-S1	VENDOR CABLE	SIGNALS	311AE101	311AIT101
311AIT101-S1	1-SHLD PAIR	SIGNALS	311AIT101	CP-30PLC
311LSH101-C1	FLOAT CABLE	CONTROLS	311LSH101	311FTB101
311LSH102-C1	FLOAT CABLE	CONTROLS	311LSH102	311FTB101
311LSH103-C1	FLOAT CABLE	CONTROLS	311LSH103	311FTB101
311LSL101-C1	FLOAT CABLE	CONTROLS	311LSL101	311FTB101
311FTB101-C1	8#14, #14G	CONTROLS	311FTB101	CP-30PLC
311CG101-C1	12#14, #14G	CONTROLS	311CG101	CP-30PLC
311CG102-C1	12#14, #14G	CONTROLS	311CG102	CP-30PLC
311CG103-C1	12#14, #14G	CONTROLS	311CG103	CP-30PLC
311MIXDS102-C1	4#14, #14G	CONTROLS	311MIXDS102	70MCC2
311AE102-S1	VENDOR CABLE	SIGNALS	311AE102	311AIT102
311AIT102-S1	1-SHLD PAIR	SIGNALS	311AIT102	CP-30PLC
311CV201-C1	12#14, #14G	CONTROLS	311CV201	CP-30PLC
311MIXDS201-C1	4#14, #14G	CONTROLS	311MIXDS201	70MCC2
311AE201-S1	VENDOR CABLE	SIGNALS	311AE201	311AIT201
311AIT201-S1	1-SHLD PAIR	SIGNALS	311AIT201	CP-30PLC
311LSH201-C1	FLOAT CABLE	CONTROLS	311LSH201	311FTB201
311LSH202-C1	FLOAT CABLE	CONTROLS	311LSH202	311FTB201
311LSH203-C1	FLOAT CABLE	CONTROLS	311LSH203	311FTB201
311LSL201-C1	FLOAT CABLE	CONTROLS	311LSL201	311FTB201
311FTB201-C1	8#14, #14G	CONTROLS	311FTB201	CP-30PLC
311CG201-C1	12#14, #14G	CONTROLS	311CG201	CP-30PLC
311CG202-C1	12#14, #14G	CONTROLS	311CG202	CP-30PLC
311CG203-C1	12#14, #14G	CONTROLS	311CG203	CP-30PLC
311MIXDS202-C1	4#14, #14G	CONTROLS	311MIXDS202	70MCC2
311AE202-S1	VENDOR CABLE	SIGNALS	311AE202	311AIT202
311AIT202-S1	1-SHLD PAIR	SIGNALS	311AIT202	CP-30PLC
311CV301-C1	PULLSTRING	CONTROLS	311CV301	CP-30PLC
311MIXDS301-C1	PULLSTRING	CONTROLS	311MIXDS301	70MCC1
311AE301-S1	PULLSTRING	SIGNALS	311AE301	311AIT301
311AIT301-S1	PULLSTRING	SIGNALS	311AIT301	CP-30PLC
311LSH301-C1	PULLSTRING	CONTROLS	311LSH301	311FTB301
311LSH302-C1	PULLSTRING	CONTROLS	311LSH302	311FTB301
311LSH303-C1	PULLSTRING	CONTROLS	311LSH303	311FTB301
311LSL301-C1	PULLSTRING	CONTROLS	311LSL301	311FTB301
311FTB301-C1	PULLSTRING	CONTROLS	311FTB301	CP-30PLC
311CG301-C1	PULLSTRING	CONTROLS	311CG301	CP-30PLC
311CG302-C1	PULLSTRING	CONTROLS	311CG302	CP-30PLC
311CG303-C1	PULLSTRING	CONTROLS	311CG303	CP-30PLC
311MIXDS302-C1	PULLSTRING	CONTROLS	311MIXDS302	70MCC1
311AE302-S1	PULLSTRING	SIGNALS	311AE302	311AIT302
311AIT302-S1	PULLSTRING	SIGNALS	311AIT302	CP-30PLC

FACILITY 70				
CIRCUIT #	CONDUCTORS	TYPE	FROM EQUIPMENT	TO EQUIPMENT
70MCC1-C1	32#14, #14G	CONTROLS	70MCC1	CP-30PLC
70MCC2-C2	20#14, #14G	CONTROLS	70MCC2	CP-30PLC



© 2026 GARVER, LLC
THIS DOCUMENT, ALONG WITH THE
IDEAS AND DESIGNS CONVEYED
HEREIN, SHALL BE CONSIDERED
INSTRUMENTS OF PROFESSIONAL
SERVICE AND ARE PROPERTY OF
GARVER, LLC. ANY USE,
REPRODUCTION, OR DISTRIBUTION
OF THIS DOCUMENT, ALONG WITH
THE IDEAS AND DESIGN CONTAINED
HEREIN, IS PROHIBITED UNLESS
AUTHORIZED IN WRITING BY
GARVER, LLC OR EXPLICITLY
ALLOWED IN THE GOVERNING
PROFESSIONAL SERVICES
AGREEMENT FOR THIS WORK.

REGISTRATION NO.
F-5713



Digitally Signed 09/11/2026

BY	MDK		
DESCRIPTION			
ADDENDUM #3			
REV	DATE		
1	09/11/26		



CITY OF LIBERTY HILL
LIBERTY HILL, TX

LIBERTY HILL NORTH FORK WWTP

PROCESS TRAINS INTERCONNECTION DIAGRAM 1

JOB NO.: W07-2401219
DATE: AUG. 2026
DESIGNED BY: MDK
DRAWN BY: KL
CHECKED BY: BSC

BAR IS ONE INCH ON
ORIGINAL DRAWING
0 1"

IF NOT ONE INCH ON THIS SHEET,
ADJUST SCALES ACCORDINGLY.

DRAWING NUMBER

30-E501

SHEET
NUMBER **326**

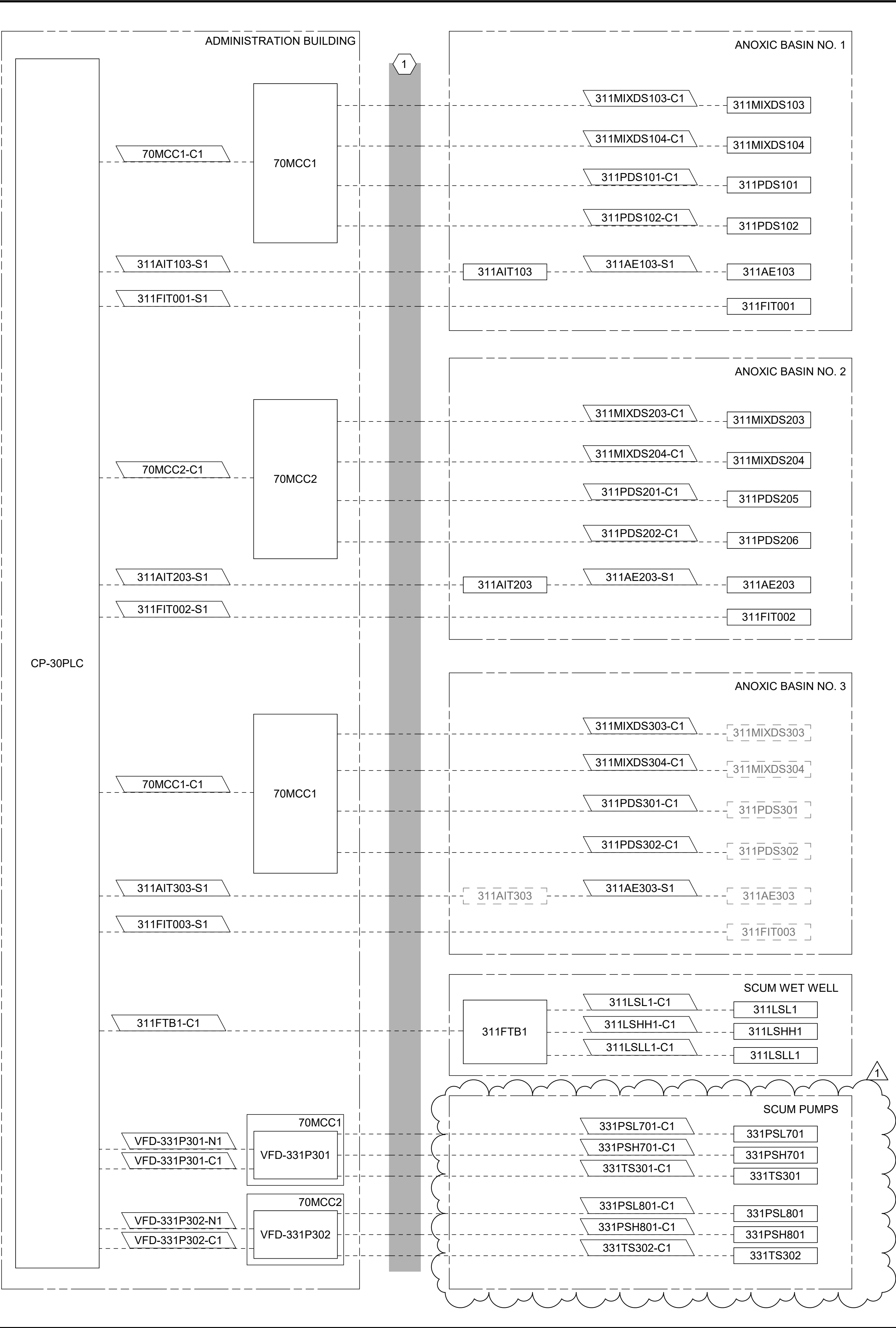
Revit File: AutodesK Docs\\W07-2401219 - Liberty Hill North Fork WWTP Design\\W07-2401219_30_PROCESS TRAINS ELECTRICAL.dwg
Plot Date: 9/4/2026 4:13:08 PM

FACILITY 30	
ELECTRICAL EQUIPMENT	
TAG	DESCRIPTION
311MIXDS103	ANOXIC BASIN NO. 1 ZONE 1 MIXER DISCONNECT SWITCH
311MIXDS104	ANOXIC BASIN NO. 1 ZONE 2 MIXER DISCONNECT SWITCH
311AE103	ANOXIC BASIN NO. 1 ORP PROBE
311AIT103	ANOXIC BASIN NO. 1 ORP TRANSMITTER
311FIT001	ANOXIC BASIN NO. 1 BIO-P FLOW METER
311MIXDS203	ANOXIC BASIN NO. 2 ZONE 1 MIXER DISCONNECT SWITCH
311MIXDS204	ANOXIC BASIN NO. 2 ZONE 2 MIXER DISCONNECT SWITCH
311AE203	ANOXIC BASIN NO. 2 ORP PROBE
311AIT203	ANOXIC BASIN NO. 2 ORP TRANSMITTER
311FIT002	ANOXIC BASIN NO. 2 BIO-P FLOW METER
311MIXDS303	FUTURE ANOXIC BASIN NO. 3 ZONE 1 MIXER DISCONNECT SWITCH
311MIXDS304	FUTURE ANOXIC BASIN NO. 3 ZONE 2 MIXER DISCONNECT SWITCH
311AE303	FUTURE ANOXIC BASIN NO. 3 ORP PROBE
311AIT303	FUTURE ANOXIC BASIN NO. 3 ORP TRANSMITTER
311FIT003	FUTURE ANOXIC BASIN NO. 3 BIO-P FLOW METER
311LSHH1	SCUM WET WELL HIGH HIGH LEVEL SWITCH
311LSLL1	SCUM WET WELL LOW LOW LEVEL SWITCH
311LSL1	SCUM WET WELL LOW LEVEL SWITCH
311FTB1	SCUM WET WELL FLOAT TERMINAL BOX
331PSL701	SCUM PUMP 331P301 LOW PRESSURE SWITCH
331PSH701	SCUM PUMP 331P301 HIGH PRESSURE SWITCH
331TS301	SCUM PUMP 331P301 TEMPERATURE SWITCH
331PSL801	SCUM PUMP 331P302 LOW PRESSURE SWITCH
331PSH801	SCUM PUMP 331P302 HIGH PRESSURE SWITCH
331TS302	SCUM PUMP 331P302 TEMPERATURE SWITCH

FACILITY 70	
ELECTRICAL EQUIPMENT	
TAG	DESCRIPTION
CP-30PLC	PROCESS TRAIN CONTROL PANEL
70MCC1	FACILITY 70 MOTOR CONTROL CENTER NO.1
70MCC2	FACILITY 70 MOTOR CONTROL CENTER NO.2
VFD-331P301	SCUM PUMP NO. 1 VFD
VFD-331P302	SCUM PUMP NO. 2 VFD

FACILITY 30					
CIRCUIT #	CONDUCTORS	TYPE	FROM EQUIPMENT	TO EQUIPMENT	
311MIXDS103-C1	4#14, #14G	CONTROLS	311MIXDS103	70MCC1	
311MIXDS104-C1	4#14, #14G	CONTROLS	311MIXDS104	70MCC1	
311AE103-S1	VENDOR CABLE	SIGNALS	311AE103	311AIT103	
311AIT103-S1	1-SHLD PAIR	SIGNALS	311AIT103	CP-30PLC	
311PDS101-C1	4#14, #14G	CONTROLS	311PDS101	70MCC1	
311PDS102-C1	4#14, #14G	CONTROLS	311PDS102	70MCC1	
311FIT001-S1	1-SHLD PAIR	SIGNALS	311FIT001	CP-30PLC	
311MIXDS203-C1	4#14, #14G	CONTROLS	311MIXDS203	70MCC2	
311MIXDS204-C1	4#14, #14G	CONTROLS	311MIXDS204	70MCC2	
311AE203-S1	VENDOR CABLE	SIGNALS	311AE203	311AIT203	
311AIT203-S1	1-SHLD PAIR	SIGNALS	311AIT203	CP-30PLC	
311PDS201-C1	4#14, #14G	CONTROLS	311PDS201	70MCC2	
311PDS202-C1	4#14, #14G	CONTROLS	311PDS202	70MCC2	
311FIT002-S1	1-SHLD PAIR	SIGNALS	311FIT002	CP-30PLC	
311MIXDS303-C1	PULLSTRING	CONTROLS	311MIXDS303	70MCC1	
311MIXDS304-C1	PULLSTRING	CONTROLS	311MIXDS304	70MCC1	
311AE303-S1	PULLSTRING	SIGNALS	311AE303	311AIT303	
311AIT303-S1	PULLSTRING	SIGNALS	311AIT303	CP-30PLC	
311PDS301-C1	PULLSTRING	CONTROLS	311PDS301	70MCC1	
311PDS302-C1	PULLSTRING	CONTROLS	311PDS302	70MCC1	
311FIT003-S1	PULLSTRING	SIGNALS	311FIT003	CP-30PLC	
311LSHH1-C1	FLOAT CABLE	CONTROLS	311LSHH1	311FTB1	
311LSLL1-C1	FLOAT CABLE	CONTROLS	311LSLL1	311FTB1	
311LSL1-C1	FLOAT CABLE	CONTROLS	311LSL1	311FTB1	
311FTB1-C1	4#14, #14G	CONTROLS	311FTB1	CP-30PLC	
331PSL701-C1	2#14, #14G	CONTROLS	331PSL701	VFD-331P301	
331PSH701-C1	2#14, #14G	CONTROLS	331PSH701	VFD-331P301	
331TS301-C1	2#14, #14G	CONTROLS	331TS301	VFD-331P301	
331PSL801-C1	2#14, #14G	CONTROLS	331PSL801	VFD-331P302	
331PSH801-C1	2#14, #14G	CONTROLS	331PSH801	VFD-331P302	
331TS302-C1	2#14, #14G	CONTROLS	331TS302	VFD-331P302	

FACILITY 70				
CIRCUIT #	CONDUCTORS	TYPE	FROM EQUIPMENT	TO EQUIPMENT
VFD-331P301-C1	12#14, #14G	CONTROLS	VFD-331P301	CP-30PLC
VFD-331P301-N1	CAT6	NETWORK	VFD-331P301	CP-30PLC
VFD-331P302-C1	12#14, #14G	CONTROLS	VFD-331P302	CP-30PLC
VFD-331P302-N1	CAT6	NETWORK	VFD-331P302	CP-30PLC



1 PROCESS TRAINS INTERCONNECTION DIAGRAM 2
SCALE: NOT TO SCALE

KEYNOTES

1 CONTRACTOR MAY COMBINE CONTROL AND SIGNAL CONDUCTORS OF LIKE VOLTAGES INTO A SINGLE CONDUIT. CONDUITS SHALL BE SIZED TO MEET NEC CONDUCTOR FILL REQUIREMENTS PLUS AN ADDITIONAL 25% EXTRA FILL SPACE. MINIMUM CONDUIT SIZE SHALL BE 3/4" FOR EXPOSED APPLICATIONS AND 1" FOR BELOW GRADE. CONTRACTOR TO PROVIDE JUNCTION BOXES AS NEEDED.

- NOTES:**
- INTERCONNECT DIAGRAMS ONLY SHOW 120VAC POWER, NETWORK, CONTROL AND SIGNAL CONNECTIONS BETWEEN EQUIPMENT. INTERCONNECT DIAGRAMS DO NOT SHOW ALL JUNCTION BOXES, PULL BOXES, EXACT RACEWAY ROUTING OR COMBINED CONDUCTOR ROUTING.
 - ALL CONDUITS ASSOCIATED WITH FUTURE EQUIPMENT SHALL BE SIZED TO MATCH SIMILAR PROPOSED EQUIPMENT.

© 2026 GARVER, LLC
THIS DOCUMENT, ALONG WITH THE IDEAS AND DESIGNS CONVEYED HEREIN, SHALL BE CONSIDERED INSTRUMENTS OF PROFESSIONAL SERVICE AND ARE PROPERTY OF GARVER, LLC. ANY USE, REPRODUCTION, OR DISTRIBUTION OF THIS DOCUMENT, ALONG WITH THE IDEAS AND DESIGN CONTAINED HEREIN, IS PROHIBITED UNLESS AUTHORIZED IN WRITING BY GARVER, LLC OR EXPLICITLY ALLOWED IN THE GOVERNING PROFESSIONAL SERVICES AGREEMENT FOR THIS WORK.

REGISTRATION NO.
F-5713

Digitally Signed 09/11/2026

BY	MDK		
DESCRIPTION	ADDENDUM #3		
DATE	09/11/26		
REV	1		

CITY OF LIBERTY HILL
LIBERTY HILL, TX

LIBERTY HILL NORTH FORK WWTP

PROCESS TRAINS INTERCONNECTION DIAGRAM 2

JOB NO.: W07-2401219
DATE: AUG. 2026
DESIGNED BY: MDK
DRAWN BY: KL
CHECKED BY: BSC

BAR IS ONE INCH ON ORIGINAL DRAWING
0 1" IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY.

DRAWING NUMBER
30-E502

SHEET NUMBER
327

Revit File: Autodesk Docs\\W07-2401219 - Liberty Hill North Fork WWTP Design\\W07-2401219_30_PROCESS TRAINS ELECTRICAL.rvt
Plot Date: 9/4/2026 4:13:09 PM

FACILITY 30	
ELECTRICAL EQUIPMENT	
TAG	DESCRIPTION
311FIT101	AERATION BASIN NO. 1 FLOW METER
311AE108	AERATION BASIN NO. 1 TURBIDITY PROBE
311AE109	AERATION BASIN NO. 1 PH PROBE
311AIT108	AERATION BASIN NO. 1 TURBIDITY METER
311AE208	AERATION BASIN NO. 2 TURBIDITY PROBE
311AE209	AERATION BASIN NO. 2 PH PROBE
311AIT208	AERATION BASIN NO. 2 TURBIDITY METER
311AE308	FUTURE AERATION BASIN NO. 3 TURBIDITY PROBE
311AE309	FUTURE AERATION BASIN NO. 3 PH PROBE
311AIT308	FUTURE AERATION BASIN NO. 3 TURBIDITY METER
321MIXDS1	MBR FEED CHANNEL MIXER NO. 1 DISCONNECT SWITCH
321MIXDS2	MBR FEED CHANNEL MIXER NO. 2 DISCONNECT SWITCH
311LSH104	MBR FEED CHANNEL HIGH LEVEL SWITCH
311FTB104	MBR FEED CHANNEL FLOAT TERMINAL BOX
321LSH101	MBR BASIN NO. 1 HIGH LEVEL SWITCH
321LSL101	MBR BASIN NO. 1 LOW LEVEL SWITCH
321FTB101	MBR BASIN NO. 1 FLOAT TERMINAL BOX
321PT101	MBR BASIN NO. 1 PRESSURE TRANSMITTER
321LSL102	MBR BASIN NO. 1 LOW LEVEL SWITCH
321LTB101	MBR BASIN NO. 1 LEVEL TERMINAL BOX
321LT101	MBR BASIN NO. 1 LEVEL TRANSMITTER
321LSH201	MBR BASIN NO. 2 HIGH LEVEL SWITCH
321LSL201	MBR BASIN NO. 2 LOW LEVEL SWITCH
321FTB201	MBR BASIN NO. 2 FLOAT TERMINAL BOX
321PT201	MBR BASIN NO. 2 PRESSURE TRANSMITTER
321LSL202	MBR BASIN NO. 2 LOW LEVEL SWITCH
321LTB201	MBR BASIN NO. 2 LEVEL TERMINAL BOX
321LT201	MBR BASIN NO. 2 LEVEL TRANSMITTER
321LSH301	MBR BASIN NO. 3 HIGH LEVEL SWITCH
321LSL301	MBR BASIN NO. 3 LOW LEVEL SWITCH
321FTB301	MBR BASIN NO. 3 FLOAT TERMINAL BOX
321PT301	MBR BASIN NO. 3 PRESSURE TRANSMITTER
321LSL302	MBR BASIN NO. 3 LOW LEVEL SWITCH
321LTB301	MBR BASIN NO. 3 LEVEL TERMINAL BOX
321LT301	MBR BASIN NO. 3 LEVEL TRANSMITTER
321LSH401	MBR BASIN NO. 4 HIGH LEVEL SWITCH
321LSL401	MBR BASIN NO. 4 LOW LEVEL SWITCH
321FTB401	MBR BASIN NO. 4 FLOAT TERMINAL BOX
321PT401	FUTURE MBR BASIN NO. 4 PRESSURE TRANSMITTER
321LSL402	FUTURE MBR BASIN NO. 4 LOW LEVEL SWITCH
321LTB401	FUTURE MBR BASIN NO. 4 LEVEL TERMINAL BOX
321LT401	FUTURE MBR BASIN NO. 4 LEVEL TRANSMITTER

FACILITY 70	
ELECTRICAL EQUIPMENT	
TAG	DESCRIPTION
CP-30PLC	PROCESS TRAIN CONTROL PANEL
70MCC1	FACILITY 70 MOTOR CONTROL CENTER NO.1
70MCC2	FACILITY 70 MOTOR CONTROL CENTER NO.2

KEYNOTES

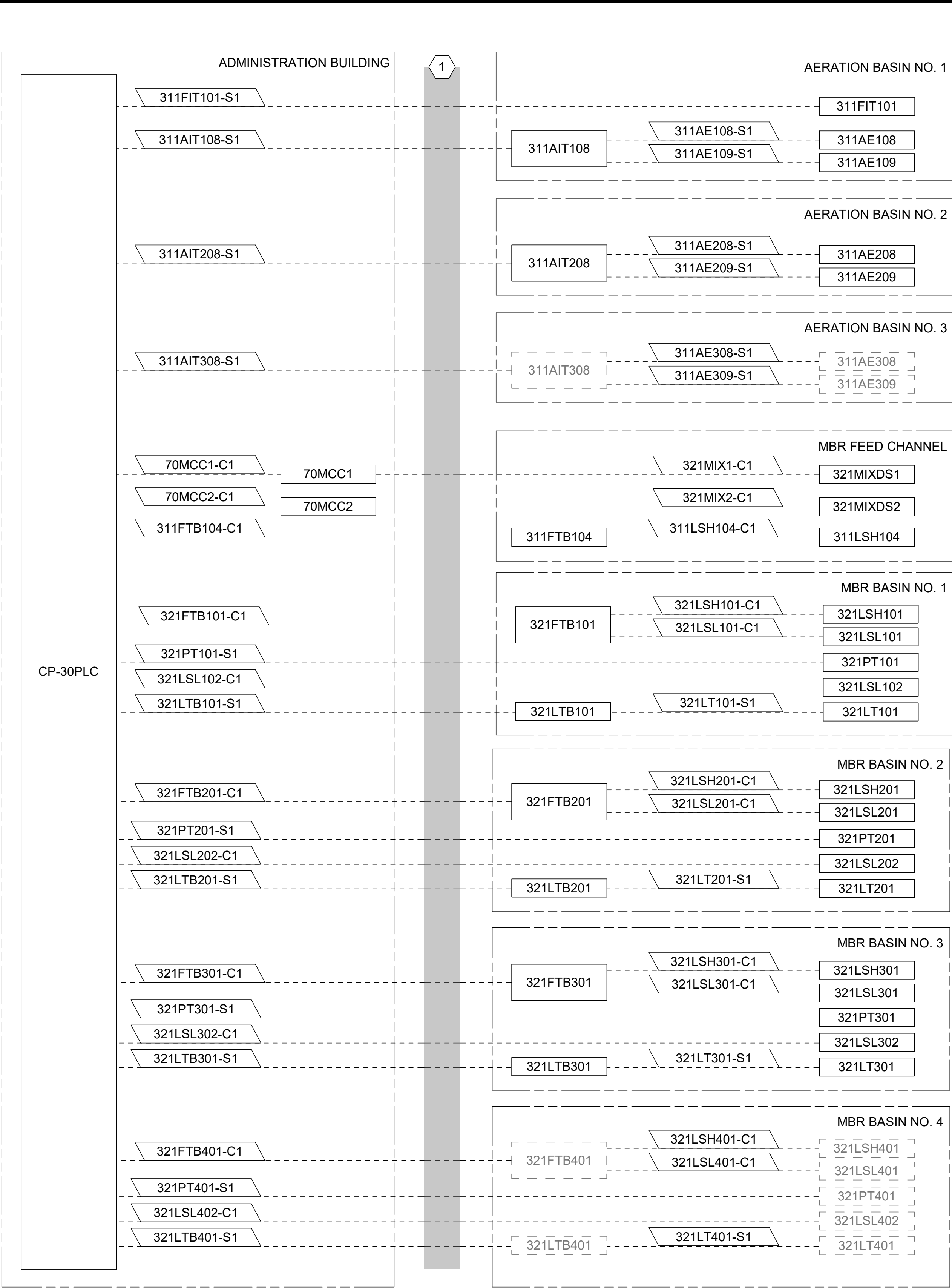
- 1
- CONTRACTOR MAY COMBINE CONTROL AND SIGNAL CONDUCTORS OF LIKE VOLTAGES INTO A SINGLE CONDUIT. CONDUITS SHALL BE SIZED TO MEET NEC CONDUCTOR FILL REQUIREMENTS PLUS AN ADDITIONAL 25% EXTRA FILL SPACE. MINIMUM CONDUIT SIZE SHALL BE 3/4" FOR EXPOSED APPLICATIONS AND 1" FOR BELOW GRADE. CONTRACTOR TO PROVIDE JUNCTION BOXES AS NEEDED.

NOTES:

1. INTERCONNECT DIAGRAMS ONLY SHOW 120VAC POWER, NETWORK, CONTROL AND SIGNAL CONNECTIONS BETWEEN EQUIPMENT. INTERCONNECT DIAGRAMS DO NOT SHOW ALL JUNCTION BOXES, PULL BOXES, EXACT RACEWAY ROUTING OR COMBINED CONDUCTOR ROUTING.
2. ALL CONDUITS ASSOCIATED WITH FUTURE EQUIPMENT SHALL BE SIZED TO MATCH SIMILAR PROPOSED EQUIPMENT.

FACILITY 30				
CIRCUIT #	CONDUCTORS	TYPE	FROM EQUIPMENT	TO EQUIPMENT
311FIT101-S1	1-SHLD PAIR	SIGNALS	311FIT101	CP-30PLC
311AE108-S1	VENDOR CABLE	SIGNALS	311AE108	311AIT108
311AE109-S1	VENDOR CABLE	SIGNALS	311AE109	311AIT108
311AIT108-S1	3-SHLD PAIR	SIGNALS	311AIT108	CP-30PLC
311AE208-S1	VENDOR CABLE	SIGNALS	311AE208	311AIT208
311AE209-S1	VENDOR CABLE	SIGNALS	311AE209	311AIT208
311AIT208-S1	3-SHLD PAIR	SIGNALS	311AIT208	CP-30PLC
311AE308-S1	PULLSTRING	SIGNALS	311AE308	311AIT308
311AE309-S1	PULLSTRING	SIGNALS	311AE309	311AIT308
311AIT308-S1	PULLSTRING	SIGNALS	311AIT308	CP-30PLC
321MIXDS1-C1	4#14, #14G	CONTROLS	321MIXDS1	70MCC1
321MIXDS2-C1	4#14, #14G	CONTROLS	321MIXDS2	70MCC2
311LSH104-C1	FLOAT CABLE	CONTROLS	311LSH104	311FTB104
311FTB104-C1	2#14, #14G	CONTROLS	311FTB104	CP-30PLC
321LSH101-C1	FLOAT CABLE	CONTROLS	321LSH101	321FTB101
321LSL101-C1	FLOAT CABLE	CONTROLS	321LSL101	321FTB101
321FTB101-C1	4#14, #14G	CONTROLS	321FTB101	CP-30PLC
321PT101-S1	1-SHLD PAIR	SIGNALS	321PT101	CP-30PLC
321LSL102-C1	2#14, #14G	CONTROLS	321LSL102	CP-30PLC
321LT101-S1	1-SHLD PAIR	SIGNALS	321LT101	321LTB101
321LTB101-S1	1-SHLD PAIR	SIGNALS	321LTB101	CP-30PLC
321LSH201-C1	FLOAT CABLE	CONTROLS	321LSH201	321FTB201
321LSL201-C1	FLOAT CABLE	CONTROLS	321LSL201	321FTB201
321FTB201-C1	4#14, #14G	CONTROLS	321FTB201	CP-30PLC
321PT201-S1	1-SHLD PAIR	SIGNALS	321PT201	CP-30PLC
321LSL202-C1	2#14, #14G	CONTROLS	321LSL202	CP-30PLC
321LT21-S1	1-SHLD PAIR	SIGNALS	321LT201	321LTB201
321LTB201-S1	1-SHLD PAIR	SIGNALS	321LTB201	CP-30PLC
321LSH301-C1	FLOAT CABLE	CONTROLS	321LSH301	321FTB301
321LSL301-C1	FLOAT CABLE	CONTROLS	321LSL301	321FTB301
321FTB301-C1	4#14, #14G	CONTROLS	321FTB301	CP-30PLC
321PT301-S1	1-SHLD PAIR	SIGNALS	321PT301	CP-30PLC
321LSL302-C1	2#14, #14G	CONTROLS	321LSL302	CP-30PLC
321LT301-S1	1-SHLD PAIR	SIGNALS	321LT301	321LTB301
321LTB301-S1	1-SHLD PAIR	SIGNALS	321LTB301	CP-30PLC
321LSH401-C1	PULLSTRING	CONTROLS	321LSH401	321FTB401
321LSL401-C1	PULLSTRING	CONTROLS	321LSL401	321FTB401
321FTB401-C1	PULLSTRING	CONTROLS	321FTB401	CP-30PLC
321PT401-S1	PULLSTRING	SIGNALS	321PT401	CP-30PLC
321LSL402-C1	PULLSTRING	CONTROLS	321LSL402	CP-30PLC
321LT401-S1	PULLSTRING	SIGNALS	321LT401	321LTB401
321LTB401-S1	PULLSTRING	SIGNALS	321LTB401	CP-30PLC

FACILITY 70				
CIRCUIT #	CONDUCTORS	TYPE	FROM EQUIPMENT	TO EQUIPMENT
70MCC1-C1	32#14, #14G	CONTROLS	70MCC1	CP-30PLC
70MCC2-C2	20#14, #14G	CONTROLS	70MCC2	CP-30PLC



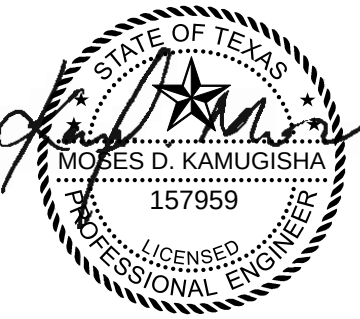
PROCESS TRAINS INTERCONNECTION DIAGRAM 3

SCALE: NOT TO SCALE



© 2026 GARVER, LLC
THIS DOCUMENT, ALONG WITH THE IDEAS AND DESIGNS CONVEYED HEREIN, SHALL BE CONSIDERED INSTRUMENTS OF PROFESSIONAL SERVICE AND ARE PROPERTY OF GARVER, LLC. ANY USE, REPRODUCTION, OR DISTRIBUTION OF THIS DOCUMENT, ALONG WITH THE IDEAS AND DESIGN CONTAINED HEREIN, IS PROHIBITED UNLESS AUTHORIZED IN WRITING BY GARVER, LLC OR EXPLICITLY ALLOWED IN THE GOVERNING PROFESSIONAL SERVICES AGREEMENT FOR THIS WORK.

REGISTRATION NO.
F-5713



Digitally Signed 09/11/2026

BY
MDK

DESCRIPTION
ADDENDUM #3

REV
1

DATE
09/11/26

CITY OF LIBERTY HILL
LIBERTY HILL, TX

LIBERTY HILL
SMALL TOWN

PROCESS TRAINS
INTERCONNECTION
DIAGRAM 3

JOB NO.: W07-2401219
DATE: AUG. 2026
DESIGNED BY: MDK
DRAWN BY: KL
CHECKED BY: BSC

BAR IS ONE INCH ON
ORIGINAL DRAWING 1"
0
IF NOT ONE INCH ON THIS SHEET,
ADJUST SCALES ACCORDINGLY.

DRAWING NUMBER

30-E503

SHEET
NUMBER **328**

Revit File: Autodeskt Docs\W07-2401219 - Liberty Hill North Fork WWTP Design\W07-2401219_30_PROCESS TRAINS ELECTRICAL.dwg
Plot Date: 9/4/2026 4:13:10 PM

FACILITY 30	
ELECTRICAL EQUIPMENT	
TAG	DESCRIPTION
321MIXDS3	RAS/WAS WET WELL MIXER NO. 1 DISCONNECT SWITCH
321LE501	RAS/WAS WET WELL LEVEL ELEMENT
321LT501	RAS/WAS WET WELL LEVEL TRANSMITTER
321LSH501	RAS/WAS WET WELL HIGH LEVEL SWITCH
321LSL501	RAS/WAS WET WELL LOW LEVEL SWITCH
321FTB501	RAS/WAS WET WELL FLOAT TERMINAL BOX
321MIXDS4	RAS/WAS WET WELL MIXER NO. 2 DISCONNECT SWITCH
361PSL101	PERMEATE PUMP NO. 1 LOW PRESSURE SWITCH
361PSL201	PERMEATE PUMP NO. 2 LOW PRESSURE SWITCH
361PSL301	PERMEATE PUMP NO. 3 LOW PRESSURE SWITCH
361PSL401	FUTURE PERMEATE PUMP NO. 4 LOW PRESSURE SWITCH
361PSL501	PERMEATE PUMP NO. 5 LOW PRESSURE SWITCH
361TS101	PERMEATE PUMP NO. 1 TEMPERATURE SWITCH
361TS201	PERMEATE PUMP NO. 2 TEMPERATURE SWITCH
361TS301	PERMEATE PUMP NO. 3 TEMPERATURE SWITCH
361TS401	FUTURE PERMEATE PUMP NO. 4 TEMPERATURE SWITCH
361TS501	PERMEATE PUMP NO. 5 TEMPERATURE SWITCH
361PSH101	PERMEATE PUMP NO. 1 HIGH PRESSURE SWITCH
361PSH201	PERMEATE PUMP NO. 2 HIGH PRESSURE SWITCH
361PSH301	PERMEATE PUMP NO. 3 HIGH PRESSURE SWITCH
361PSH401	FUTURE PERMEATE PUMP NO. 4 HIGH PRESSURE SWITCH
361PSH501	PERMEATE PUMP NO. 5 HIGH PRESSURE SWITCH
361FIT101	PERMEATE PUMP NO. 1 FLOW METER
361FIT201	PERMEATE PUMP NO. 2 FLOW METER
361FIT301	PERMEATE PUMP NO. 3 FLOW METER
361FIT401	FUTURE PERMEATE PUMP NO. 4 FLOW METER
361FIT501	PERMEATE PUMP NO. 5 FLOW METER
361FCV101	PERMEATE PUMP NO. 1 FLOW CONTROL VALVE
361FCV201	PERMEATE PUMP NO. 2 FLOW CONTROL VALVE
361FCV301	PERMEATE PUMP NO. 3 FLOW CONTROL VALVE
361FCV401	FUTURE PERMEATE PUMP NO. 4 FLOW CONTROL VALVE
361FCV501	PERMEATE PUMP NO. 5 FLOW CONTROL VALVE
361AE101	PERMEATE PUMP NO. 1 TURBIDITY PROBE
361AE201	PERMEATE PUMP NO. 2 TURBIDITY PROBE
361AE301	PERMEATE PUMP NO. 3 TURBIDITY PROBE
361AE401	FUTURE PERMEATE PUMP NO. 4 TURBIDITY PROBE
361AE501	PERMEATE PUMP NO. 5 TURBIDITY PROBE
361AIT101	PERMEATE PUMP NO. 1 TURBIDITY METER
361AIT201	PERMEATE PUMP NO. 2 TURBIDITY METER
361AIT301	PERMEATE PUMP NO. 3 TURBIDITY METER
361AIT401	FUTURE PERMEATE PUMP NO. 4 TURBIDITY METER
361AIT501	PERMEATE PUMP NO. 5 TURBIDITY METER
331PSL601	WAS PUMP NO. 2 LOW PRESSURE SWITCH
331PSL501	WAS PUMP NO. 1 LOW PRESSURE SWITCH
331TS202	WAS PUMP NO. 2 TEMPERATURE SWITCH
331TS201	WAS PUMP NO. 1 TEMPERATURE SWITCH
331PSH601	WAS PUMP NO. 2 HIGH PRESSURE SWITCH
331PSH501	WAS PUMP NO. 1 HIGH PRESSURE SWITCH
331PSL101	RAS PUMP NO. 1 LOW PRESSURE SWITCH
331PSL201	RAS PUMP NO. 2 LOW PRESSURE SWITCH
331PSL301	RAS PUMP NO. 3 LOW PRESSURE SWITCH
331PSL401	FUTURE RAS PUMP NO. 4 LOW PRESSURE SWITCH
331TS101	RAS PUMP NO. 1 TEMPERATURE SWITCH
331TS102	RAS PUMP NO. 2 TEMPERATURE SWITCH
331TS103	RAS PUMP NO. 3 TEMPERATURE SWITCH
331TS104	FUTURE RAS PUMP NO. 4 TEMPERATURE SWITCH
331PSH101	RAS PUMP NO. 1 HIGH PRESSURE SWITCH
331PSH201	RAS PUMP NO. 2 HIGH PRESSURE SWITCH
331PSH301	RAS PUMP NO. 3 HIGH PRESSURE SWITCH
331PSH401	FUTURE RAS PUMP NO. 4 HIGH PRESSURE SWITCH
331FIT101	RAS PUMP FLOW METER NO. 1
331FIT201	RAS PUMP FLOW METER NO. 2
331FIT401	FUTURE RAS PUMP FLOW METER NO. 3

FACILITY 70	
ELECTRICAL EQUIPMENT	
TAG	DESCRIPTION
CP-30PLC	PROCESS TRAIN CONTROL PANEL
VFD-331P101	RAS PUMP NO. 1 VFD
VFD-331P102	RAS PUMP NO. 2 VFD
VFD-331P103	RAS PUMP NO. 3 VFD
VFD-331P104	FUTURE RAS PUMP NO. 4 VFD
70MCC1	FACILITY 70 MOTOR CONTROL CENTER NO.1
70MCC2	FACILITY 70 MOTOR CONTROL CENTER NO.2

KEYNOTES

1. CONTRACTOR MAY COMBINE CONTROL AND SIGNAL CONDUCTORS OF LIKE VOLTAGES INTO A SINGLE CONDUIT. CONDUITS SHALL BE SIZED TO MEET NEC CONDUCTOR FILL REQUIREMENTS PLUS AN ADDITIONAL 25% EXTRA FILL SPACE. MINIMUM CONDUIT SIZE SHALL BE 3/4" FOR EXPOSED APPLICATIONS AND 1" FOR BELOW GRADE. CONTRACTOR TO PROVIDE JUNCTION BOXES AS NEEDED.

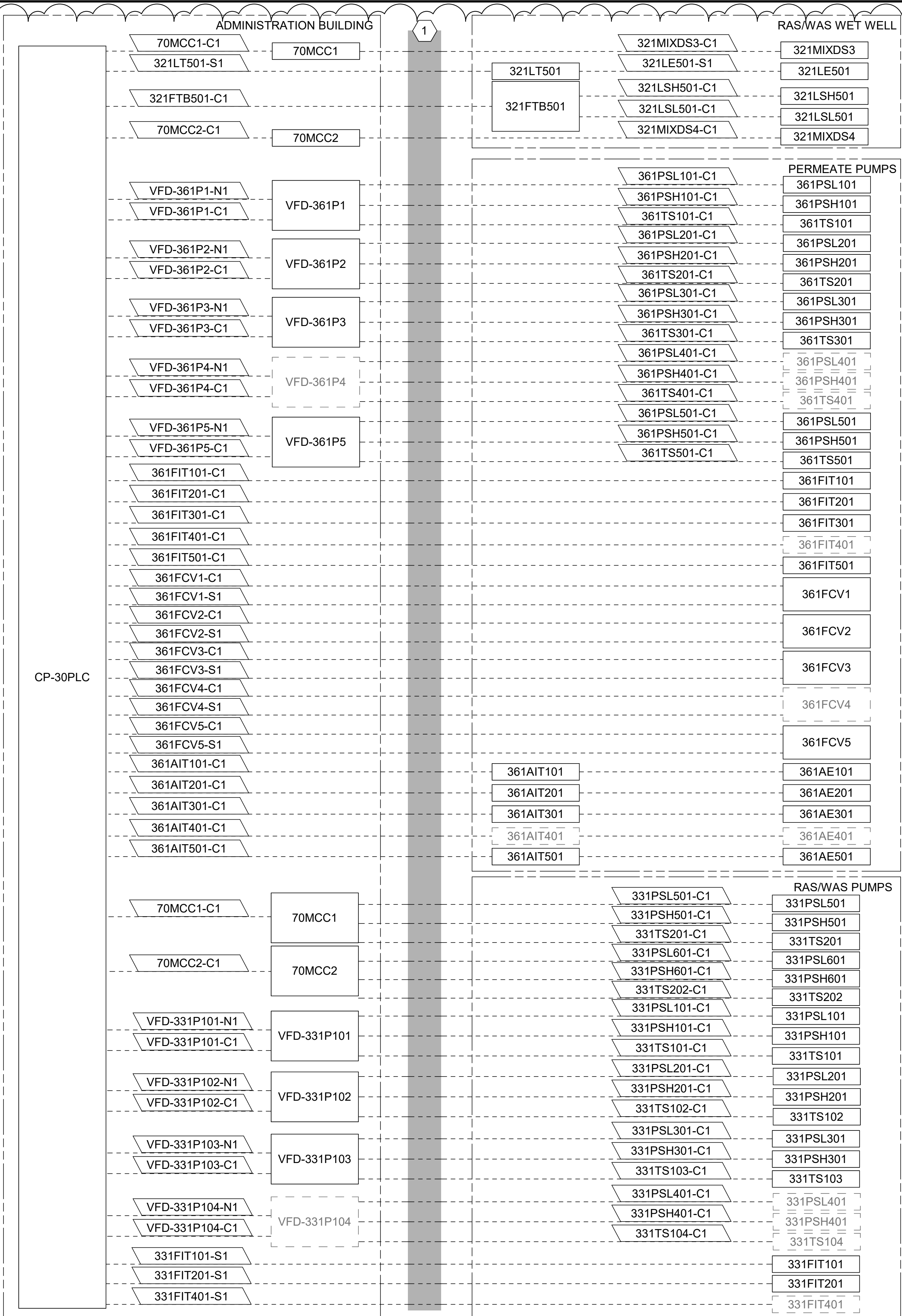
NOTES:

1. INTERCONNECT DIAGRAMS ONLY SHOW 120VAC POWER, NETWORK, CONTROL AND SIGNAL CONNECTIONS BETWEEN EQUIPMENT. INTERCONNECT DIAGRAMS DO NOT SHOW ALL JUNCTION BOXES, PULL BOXES, EXACT RACEWAY ROUTING OR COMBINED CONDUCTOR ROUTING.

2. ALL CONDUITS ASSOCIATED WITH FUTURE EQUIPMENT SHALL BE SIZED TO MATCH SIMILAR PROPOSED EQUIPMENT.

FACILITY 30		FACILITY 30	
CIRCUIT #	CONDUCTORS	TYPE	TO EQUIPMENT
321MIXDS3-C1	4#14, #14G	CONTROLS	321MIXDS3
321LE501-S1	2#14, #14G	SIGNALS	321LE501
321LT501-S1	1-SHLD PAIR	SIGNALS	321LT501
321LSH501-C1	FLOAT CABLE	CONTROLS	321LSH501
321LSL501-C1	FLOAT CABLE	CONTROLS	321LSL501
321FTB501-C1	4#14, #14G	CONTROLS	321FTB501
321MIXDS4-C1	4#14, #14G	CONTROLS	321MIXDS4
361PSL101-C1	2#14, #14G	CONTROLS	361PSL101
361PSL201-C1	2#14, #14G	CONTROLS	361PSL201
361PSL301-C1	2#14, #14G	CONTROLS	361PSL301
361PSL401-C1	PULLSTRING	CONTROLS	361PSL401
361PSL501-C1	2#14, #14G	CONTROLS	361PSL501
361TS101-C1	2#14, #14G	CONTROLS	361TS101
361TS201-C1	2#14, #14G	CONTROLS	361TS201
361TS301-C1	2#14, #14G	CONTROLS	361TS301
361TS401-C1	PULLSTRING	CONTROLS	361TS401
361TS501-C1	2#14, #14G	CONTROLS	361TS501
361PSH101-C1	2#14, #14G	CONTROLS	361PSH101
361PSH201-C1	2#14, #14G	CONTROLS	361PSH201
361PSH301-C1	2#14, #14G	CONTROLS	361PSH301
361PSH401-C1	PULLSTRING	CONTROLS	361PSH401
361PSH501-C1	2#14, #14G	CONTROLS	361PSH501
361FIT101-S1	1-SHLD PAIR	SIGNALS	361FIT101
361FIT201-S1	1-SHLD PAIR	SIGNALS	361FIT201
361FIT301-S1	1-SHLD PAIR	SIGNALS	361FIT301
361FIT401-S1	PULLSTRING	SIGNALS	361FIT401
361FIT501-S1	1-SHLD PAIR	SIGNALS	361FIT501
361FCV101-C1	8#14, #14G	CONTROLS	361FCV101
361FCV201-C1	8#14, #14G	CONTROLS	361FCV201
361FCV301-C1	8#14, #14G	CONTROLS	361FCV301
361FCV401-C1	PULLSTRING	CONTROLS	361FCV401
361FCV501-C1	8#14, #14G	CONTROLS	361FCV501
361FCV101-S1	2-SHLD PAIR	SIGNALS	361FCV101
361FCV201-S1	2-SHLD PAIR	SIGNALS	361FCV201
361FCV301-S1	2-SHLD PAIR	SIGNALS	361FCV301
361FCV401-S1	PULLSTRING	SIGNALS	361FCV401
361FCV501-S1	2-SHLD PAIR	SIGNALS	361FCV501
361AE101-S1	VENDOR CABLE	SIGNALS	361AE101
361AE201-S1	VENDOR CABLE	SIGNALS	361AE201
361AE301-S1	VENDOR CABLE	SIGNALS	361AE301
361AE401-S1	PULLSTRING	SIGNALS	361AE401
361AE501-S1	VENDOR CABLE	SIGNALS	361AE501
361AIT101-S1	1-SHLD PAIR	SIGNALS	361AIT101
361AIT201-S1	1-SHLD PAIR	SIGNALS	361AIT201
361AIT301-S1	1-SHLD PAIR	SIGNALS	361AIT301
361AIT401-S1	PULLSTRING	SIGNALS	361AIT401
361AIT501-S1	1-SHLD PAIR	SIGNALS	361AIT501
331PSL501-C1	2#14, #14G	CONTROLS	331PSL501
331PSL601-C1	2#14, #14G	CONTROLS	331PSL601
331TS201-C1	2#14, #14G	CONTROLS	331TS201
331TS202-C1	2#14, #14G	CONTROLS	331TS202
331PSH501-C1	2#14, #14G	CONTROLS	331PSH501
331PSH601-C1	2#14, #14G	CONTROLS	331PSH601
331PSL101-C1	2#14, #14G	CONTROLS	331PSL101
331PSL201-C1	2#14, #14G	CONTROLS	331PSL201
331PSL301-C1	2#14, #14G	CONTROLS	331PSL301
331PSL401-C1	PULLSTRING	CONTROLS	331PSL401
331TS101-C1	2#14, #14G	CONTROLS	331TS101
331TS102-C1	2#14, #14G	CONTROLS	331TS102
331TS103-C1	2#14, #14G	CONTROLS	331TS103
331TS104-C1	PULLSTRING	CONTROLS	331TS104
331PSH101-C1	2#14, #14G	CONTROLS	331PSH101
331PSH201-C1	2#14, #14G	CONTROLS	331PSH201
331PSH301-C1	2#14, #14G	CONTROLS	331PSH301
331PSH401-C1	PULLSTRING	CONTROLS	331PSH401
331FIT101-S1	1-SHLD PAIR	SIGNALS	331FIT101
331FIT201-S1	1-SHLD PAIR	SIGNALS	331FIT201
331FIT401-S1	PULLSTRING	SIGNALS	331FIT401

FACILITY 70			
CIRCUIT #	CONDUCTORS	TYPE	TO EQUIPMENT
VFD-361P1-N1	CAT6	NETWORK	VFD-361P1
VFD-361P2-N1	CAT6	NETWORK	VFD-361P2
VFD-361P3-N1	CAT6	NETWORK	VFD-361P3
VFD-361P4-N1	PULLSTRING	NETWORK	VFD-361P4
VFD-361P5-N1	CAT6	NETWORK	VFD-361P5
VFD-361P1-C1	12#14, #14G	CONTROLS	VFD-361P1
VFD-361P2-C1	12#14, #14G	CONTROLS	VFD-361P2
VFD-361P3-C1	12#14, #14G	CONTROLS	VFD-361P3
VFD-361P4-C1	PULLSTRING	CONTROLS	VFD-361P4
VFD-361P5-C1	12#14, #14G	CONTROLS	VFD-361P5
VFD-331P101-N1	CAT6	NETWORK	VFD-331P101
VFD-331P102-N1	CAT6	NETWORK	VFD-331P102
VFD-331P103-N1	CAT6	NETWORK	VFD-331P103
VFD-331P104-N1	PULLSTRING	NETWORK	VFD-331P104
VFD-331P101-C1	12#14, #14G	CONTROLS	VFD-331P101
VFD-331P102-C1	12#14, #14G	CONTROLS	VFD-331P102
VFD-331P103-C1	12#14, #14G	CONTROLS	VFD-331P103
VFD-331P104-C1	PULLSTRING	CONTROLS	VFD-331P104



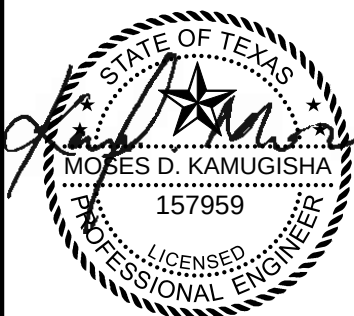
PROCESS TRAINS INTERCONNECTION DIAGRAM 4

SCALE: NOT TO SCALE



© 2026 GARVER, LLC
THIS DOCUMENT, ALONG WITH THE
IDEAS AND DESIGNS CONVEYED
HEREIN, SHALL BE CONSIDERED
INSTRUMENTS OF PROFESSIONAL
SERVICE AND ARE PROPERTY OF
GARVER, LLC. ANY USE,
REPRODUCTION, OR DISTRIBUTION
OF THIS DOCUMENT, ALONG WITH
THE IDEAS AND DESIGN CONTAINED
HEREIN, IS PROHIBITED UNLESS
AUTHORIZED IN WRITING BY
GARVER, LLC OR EXPLICITLY
ALLOWED IN THE GOVERNING
PROFESSIONAL SERVICES
AGREEMENT FOR THIS WORK.

REGISTRATION NO.
F-5713



Digitally Signed 09/11/2026

BY
MDK

DESCRIPTION
ADDENDUM #3

DATE
09/11/26

REV
1

CITY OF LIBERTY HILL
LIBERTY HILL, TX

LIBERTY HILL NORTH FORK WWTP

PROCESS TRAINS
INTERCONNECTION
DIAGRAM 4

JOB NO.: W07-2401219
DATE: AUG. 2026
DESIGNED BY: MDK
DRAWN BY: KL
CHECKED BY: BSC

BAR IS ONE INCH ON
ORIGINAL DRAWING 1"

IF NOT ONE INCH ON THIS SHEET,
ADJUST SCALES ACCORDINGLY.

DRAWING NUMBER
30-E504

SHEET
NUMBER **329**

Revit File: Autodeskt Docs\W07-2401219 - Liberty Hill North Fork WWTP Design\W07-2401219_30_PROCESS TRAINS ELECTRICAL.dwg
Plot Date: 9/4/2026 4:13:11 PM

FACILITY 30	
ELECTRICAL EQUIPMENT	
TAG	DESCRIPTION
341TSH101	PRE-AERATION BLOWER NO. 1 HIGH TEMP SWITCH NO. 1
341TSH102	PRE-AERATION BLOWER NO. 1 HIGH TEMP SWITCH NO. 2
341B101	PRE-AERATION BLOWER NO. 1
341HS101	PRE-AERATION BLOWER NO. 1 E-STOP
341TSH103	PRE-AERATION BLOWER NO. 2 HIGH TEMP SWITCH NO. 1
341TSH104	PRE-AERATION BLOWER NO. 2 HIGH TEMP SWITCH NO. 2
341B102	PRE-AERATION BLOWER NO. 2
341HS102	PRE-AERATION BLOWER NO. 2 E-STOP
341TSH105	PRE-AERATION BLOWER NO. 3 HIGH TEMP SWITCH NO. 1
341TSH106	PRE-AERATION BLOWER NO. 3 HIGH TEMP SWITCH NO. 2
341B103	PRE-AERATION BLOWER NO. 3
341HS103	PRE-AERATION BLOWER NO. 3 E-STOP
341TSH107	FUTURE PRE-AERATION BLOWER NO. 4 HIGH TEMP SWITCH NO. 1
341TSH108	FUTURE PRE-AERATION BLOWER NO. 4 HIGH TEMP SWITCH NO. 2
341B104	FUTURE PRE-AERATION BLOWER NO. 4
341HS104	FUTURE PRE-AERATION BLOWER NO. 4 E-STOP
341TSH201	MBR BLOWER NO. 1 HIGH TEMP SWITCH NO. 1
341TSH202	MBR BLOWER NO. 1 HIGH TEMP SWITCH NO. 2
341B201	MBR BLOWER NO. 1
341HS201	MBR BLOWER NO. 1 E-STOP
341TSH203	MBR BLOWER NO. 2 HIGH TEMP SWITCH NO. 1
341TSH204	MBR BLOWER NO. 2 HIGH TEMP SWITCH NO. 2
341B202	MBR BLOWER NO. 2
341HS202	MBR BLOWER NO. 2 E-STOP
341TSH205	MBR BLOWER NO. 3 HIGH TEMP SWITCH NO. 1
341TSH206	MBR BLOWER NO. 3 HIGH TEMP SWITCH NO. 2
341B203	MBR BLOWER NO. 3
341HS203	MBR BLOWER NO. 3 E-STOP
341TSH207	MBR BLOWER NO. 4 HIGH TEMP SWITCH NO. 1
341TSH208	MBR BLOWER NO. 4 HIGH TEMP SWITCH NO. 2
341B204	MBR BLOWER NO. 4
341HS204	MBR BLOWER NO. 4 E-STOP
341TSH209	FUTURE MBR BLOWER NO. 5 HIGH TEMP SWITCH NO. 1
341TSH210	FUTURE MBR BLOWER NO. 5 HIGH TEMP SWITCH NO. 2
341B205	FUTURE MBR BLOWER NO. 5
341HS205	FUTURE MBR BLOWER NO. 5 E-STOP
341FIT101	MBR BLOWER FLOW METER NO. 1
341FIT102	MBR BLOWER FLOW METER NO. 2
341FIT103	MBR BLOWER FLOW METER NO. 3
341FIT104	FUTURE MBR BLOWER FLOW METER NO. 4
341FE101	MBR BLOWER FLOW ELEMENT NO. 1
341FE102	MBR BLOWER FLOW ELEMENT NO. 2
341FE103	MBR BLOWER FLOW ELEMENT NO. 3
341FE104	FUTURE MBR BLOWER FLOW ELEMENT NO. 4
341PIT101	MBR BLOWER PRESSURE TRANSMITTER NO. 1
341PIT102	MBR BLOWER PRESSURE TRANSMITTER NO. 2
341PIT103	MBR BLOWER PRESSURE TRANSMITTER NO. 3
341PIT104	FUTURE MBR BLOWER PRESSURE TRANSMITTER NO. 4
341PE101	MBR BLOWER PRESSURE ELEMENT NO. 1
341PE102	MBR BLOWER PRESSURE ELEMENT NO. 2
341PE103	MBR BLOWER PRESSURE ELEMENT NO. 3
341PE104	FUTURE MBR BLOWER PRESSURE ELEMENT NO. 4
351P101	MICRO-C DOSING PUMP NO. 1
351P102	MICRO-C DOSING PUMP NO. 2
351P201	ALUM DOSING PUMP NO. 1
351P202	ALUM DOSING PUMP NO. 2
351LIT101	MICRO-C CHEMICAL TANK LEVEL TRANSMITTER
351LIT201	ALUM CHEMICAL TANK LEVEL TRANSMITTER
LCP-351CP1	MICRO-C FILL STATION CONTROL PANEL
LCP-351CP2	ALUM FILL STATION CONTROL PANEL
371CV101	CLEAN-IN-PLACE CONTROL VALVE
371FIT101	CLEAN-IN-PLACE FLOW METER
371CV301	FUTURE ANAEROBIC BASIN NO. 3 CONTROL VALVE
311PDS101	ANOXIC BASIN NO. 1 BIO-P PUMP NO. 1 DISCONNECT
311PDS102	ANOXIC BASIN NO. 1 BIO-P PUMP NO. 2 DISCONNECT
311PDS201	ANOXIC BASIN NO. 2 BIO-P PUMP NO. 1 DISCONNECT
311PDS202	ANOXIC BASIN NO. 2 BIO-P PUMP NO. 2 DISCONNECT
311PDS301	FUTURE ANOXIC BASIN NO. 3 BIO-P PUMP NO. 1 DISCONNECT
311PDS302	FUTURE ANOXIC BASIN NO. 3 BIO-P PUMP NO. 2 DISCONNECT

FACILITY 70	
ELECTRICAL EQUIPMENT	
TAG	DESCRIPTION
CP-30PLC	PROCESS TRAIN CONTROL PANEL
VFD-341B101	PRE-AERATION BLOWER NO. 1 VFD
VFD-341B102	PRE-AERATION BLOWER NO. 2 VFD
VFD-341B103	PRE-AERATION BLOWER NO. 3 VFD
VFD-341B104	FUTURE PRE-AERATION BLOWER NO. 4 VFD
VFD-341B201	MBR BLOWER NO. 1 VFD
VFD-341B202	MBR BLOWER NO. 2 VFD
VFD-341B203	MBR BLOWER NO. 3 VFD
VFD-341B204	MBR BLOWER NO. 4 VFD
VFD-341B205	FUTURE MBR BLOWER NO. 5 VFD

KEYNOTES

CONTRACTOR MAY COMBINE CONTROL AND SIGNAL CONDUCTORS OF LIKE VOLTAGES INTO A SINGLE CONDUIT. CONDUITS SHALL BE SIZED TO MEET NEC CONDUCTOR FILL REQUIREMENTS PLUS AN ADDITIONAL 25% EXTRA FILL SPACE. MINIMUM CONDUIT SIZE SHALL BE 3/4" FOR EXPOSED APPLICATIONS AND 1" FOR BELOW GRADE. CONTRACTOR TO PROVIDE JUNCTION BOXES AS NEEDED.

CIRCUIT #		CONDUCTORS	TYPE	FROM EQUIPMENT	TO EQUIPMENT
341B101-C1	2#14, #14G	CONTROLS	341B101	VFD-341B101	
341HS101-C1	2#14, #14G	CONTROLS	341HS101	VFD-341B101	
341B102-C1	4#14, #14G	CONTROLS	341B102	VFD-341B102	
341HS102-C1	2#14, #14G	CONTROLS	341HS102	VFD-341B102	
341B103-C1	4#14, #14G	CONTROLS	341B103	VFD-341B103	
341HS103-C1	2#14, #14G	CONTROLS	341HS103	VFD-341B103	
341B104-C1	PULLSTRING	CONTROLS	341B104	VFD-341B104	
341HS104-C1	PULLSTRING	CONTROLS	341HS104	VFD-341B104	
341B201-C1	4#14, #14G	CONTROLS	341B201	VFD-341B201	
341HS201-C1	2#14, #14G	CONTROLS	341HS201	VFD-341B201	
341B202-C1	4#14, #14G	CONTROLS	341B202	VFD-341B202	
341HS202-C1	2#14, #14G	CONTROLS	341HS202	VFD-341B202	
341B203-C1	4#14, #14G	CONTROLS	341B203	VFD-341B203	
341HS203-C1	2#14, #14G	CONTROLS	341HS203	VFD-341B203	
341B204-C1	4#14, #14G	CONTROLS	341B204	VFD-341B204	
341HS204-C1	2#14, #14G	CONTROLS	341HS204	VFD-341B204	
341B205-C1	PULLSTRING	CONTROLS	341B205	VFD-341B205	
341HS205-C1	PULLSTRING	CONTROLS	341HS205	VFD-341B205	
341FIT101-S1	1-SHLD PAIR	SIGNALS	341FIT101	CP-30PLC	
341FIT102-S1	1-SHLD PAIR	SIGNALS	341FIT102	CP-30PLC	
341FIT103-S1	1-SHLD PAIR	SIGNALS	341FIT103	CP-30PLC	
341FIT104-S1	PULLSTRING	SIGNALS	341FIT104	CP-30PLC	
341FE101-S1	TRANSDUCER CABLE	SIGNALS	341FE101	341FIT101	
341FE102-S1	TRANSDUCER CABLE	SIGNALS	341FE102	341FIT102	
341FE103-S1	TRANSDUCER CABLE	SIGNALS	341FE103	341FIT103	
341FE104-S1	PULLSTRING	SIGNALS	341FE104	341FIT104	
341PIT101-S1	1-SHLD PAIR	SIGNALS	341PIT101	CP-30PLC	
341PIT102-S1	1-SHLD PAIR	SIGNALS	341PIT102	CP-30PLC	
341PIT103-S1	1-SHLD PAIR	SIGNALS	341PIT103	CP-30PLC	
341PIT104-S1	PULLSTRING	SIGNALS	341PIT104	CP-30PLC	
341PE101-S1	TRANSDUCER CABLE	SIGNALS	341PE101	341PIT101	
341PE102-S1	TRANSDUCER CABLE	SIGNALS	341PE102	341PIT102	
341PE103-S1	TRANSDUCER CABLE	SIGNALS	341PE103	341PIT103	
341PE104-S1	PULLSTRING	SIGNALS	341PE104	341PIT104	
351P101-C1	2#14, #14G	CONTROLS	351P101	CP-30PLC	
351P101-S1	2-SHLD PAIR	SIGNALS	351P101	CP-30PLC	
351P102-C1	2#14, #14G	CONTROLS	351P102	CP-30PLC	
351P102-S1	2-SHLD PAIR	SIGNALS	351P102	CP-30PLC	
351P201-C1	2#14, #14G	CONTROLS	351P201	CP-30PLC	
351P201-S1	2-SHLD PAIR	SIGNALS	351P201	CP-30PLC	
351P202-C1	2#14, #14G	CONTROLS	351P202	CP-30PLC	
351P202-S1	2-SHLD PAIR	SIGNALS	351P202	CP-30PLC	
351LIT101-S1	1-SHLD PAIR	SIGNALS	351LIT101	LCP-351CP1	
351LIT201-S1	1-SHLD PAIR	SIGNALS	351LIT201	LCP-351CP2	
LCP-351CP1-S1	1-SHLD PAIR	SIGNALS	LCP-351CP1	CP-30PLC	
LCP-351CP2-S1	1-SHLD PAIR	SIGNALS	LCP-351CP2	CP-30PLC	
371CV101-C1	12#14, #14G	CONTROLS	371CV101	CP-30PLC	
371FIT101-S1	1-SHLD PAIR	SIGNALS	371FIT101	CP-30PLC	

FACILITY 70				
CIRCUIT #	CONDUCTORS	TYPE	FROM EQUIPMENT	TO EQUIPMENT
VFD-341B101-C1	10#14, #14G	CONTROLS	VFD-341B101	CP-30PLC
VFD-341B101-N1	CAT6	NETWORK	VFD-341B101	CP-30PLC
VFD-341B102-C1	10#14, #14G	CONTROLS	VFD-341B102	CP-30PLC
VFD-341B102-N1	CAT6	NETWORK	VFD-341B102	CP-30PLC
VFD-341B103-C1	10#14, #14G	CONTROLS	VFD-341B103	CP-30PLC
VFD-341B103-N1	CAT6	NETWORK	VFD-341B103	CP-30PLC
VFD-341B104-C1	PULLSTRING	CONTROLS	VFD-341B104	CP-30PLC
VFD-341B104-N1	PULLSTRING	NETWORK	VFD-341B104	CP-30PLC
VFD-341B201-C1	10#14, #14G	CONTROLS	VFD-341B201	CP-30PLC
VFD-341B201-N1	CAT6	NETWORK	VFD-341B201	CP-30PLC
VFD-341B202-C1	10#14, #14G	CONTROLS	VFD-341B202	CP-30PLC
VFD-341B202-N1	CAT6	NETWORK	VFD-341B202	CP-30PLC
VFD-341B203-C1	10#14, #14G	CONTROLS	VFD-341B203	CP-30PLC
VFD-341B203-N1	CAT6	NETWORK	VFD-341B203	CP-30PLC
VFD-341B204-C1	10#14, #14G	CONTROLS	VFD-341B204	CP-30PLC
VFD-341B204-N1	CAT6	NETWORK	VFD-341B204	CP-30PLC
VFD-341B205-C1	PULLSTRING	CONTROLS	VFD-341B205	CP-30PLC
VFD-341B205-N1	PULLSTRING	NETWORK	VFD-341B205	CP-30PLC

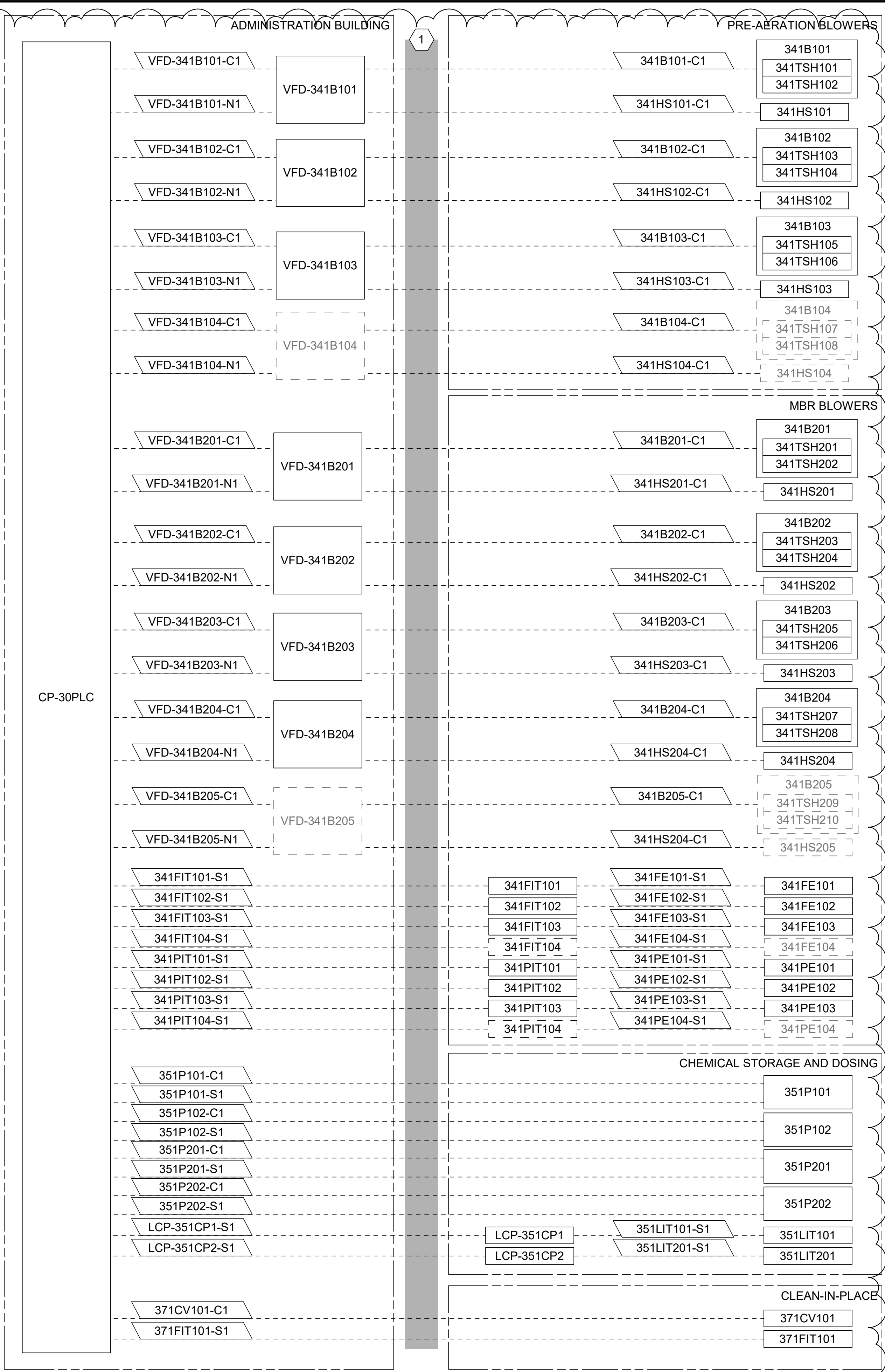
PROCESS TRAINS INTERCONNECTION DIAGRAM 5

SCALE: NOT TO SCALE

NOTES:

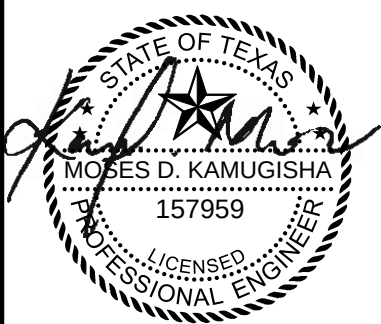
1. INTERCONNECT DIAGRAMS ONLY SHOW 120VAC POWER, NETWORK, CONTROL AND SIGNAL CONNECTIONS BETWEEN EQUIPMENT. INTERCONNECT DIAGRAMS DO NOT SHOW ALL JUNCTION BOXES, PULL BOXES, EXACT RACEWAY ROUTING OR COMBINED CONDUCTOR ROUTING.

2. ALL CONDUITS ASSOCIATED WITH FUTURE EQUIPMENT SHALL BE SIZED TO MATCH SIMILAR PROPOSED EQUIPMENT.



© 2026 GARVER, LLC
THIS DOCUMENT, ALONG WITH THE IDEAS AND DESIGNS CONVEYED HEREIN, SHALL BE CONSIDERED INSTRUMENTS OF PROFESSIONAL SERVICE AND ARE PROPERTY OF GARVER, LLC. ANY USE, REPRODUCTION, OR DISTRIBUTION OF THIS DOCUMENT, ALONG WITH THE IDEAS AND DESIGN CONTAINED HEREIN, IS PROHIBITED UNLESS AUTHORIZED IN WRITING BY GARVER, LLC OR EXPLICITLY ALLOWED IN THE GOVERNING PROFESSIONAL SERVICES AGREEMENT FOR THIS WORK.

REGISTRATION NO.
F-5713



Digitally Signed 09/11/2026

BY	DESCRIPTION	DATE	REV
MDK	ADDENDUM #3	09/11/26	1



CITY OF LIBERTY HILL
LIBERTY HILL, TX
LIBERTY HILL NORTH FORK WWTP

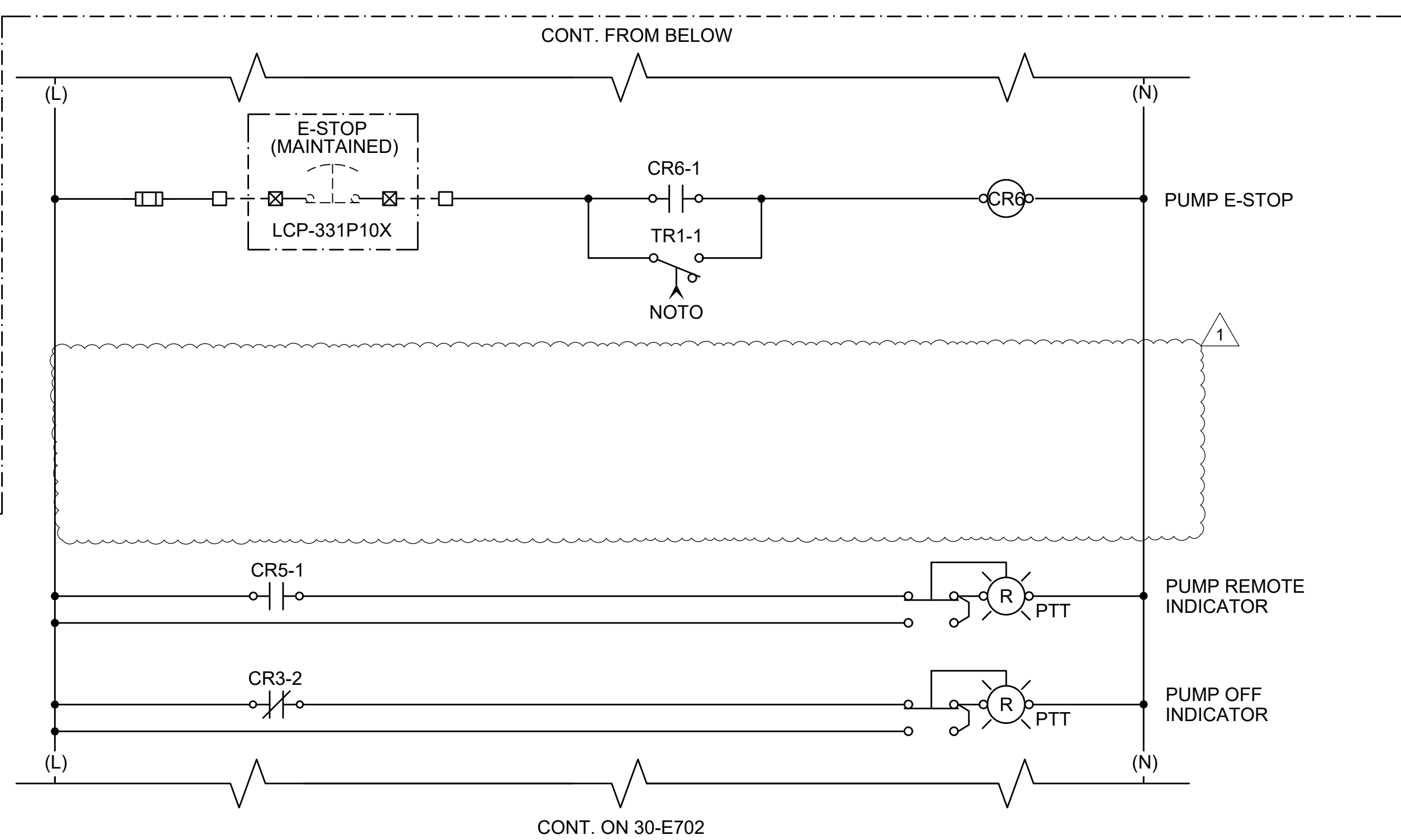
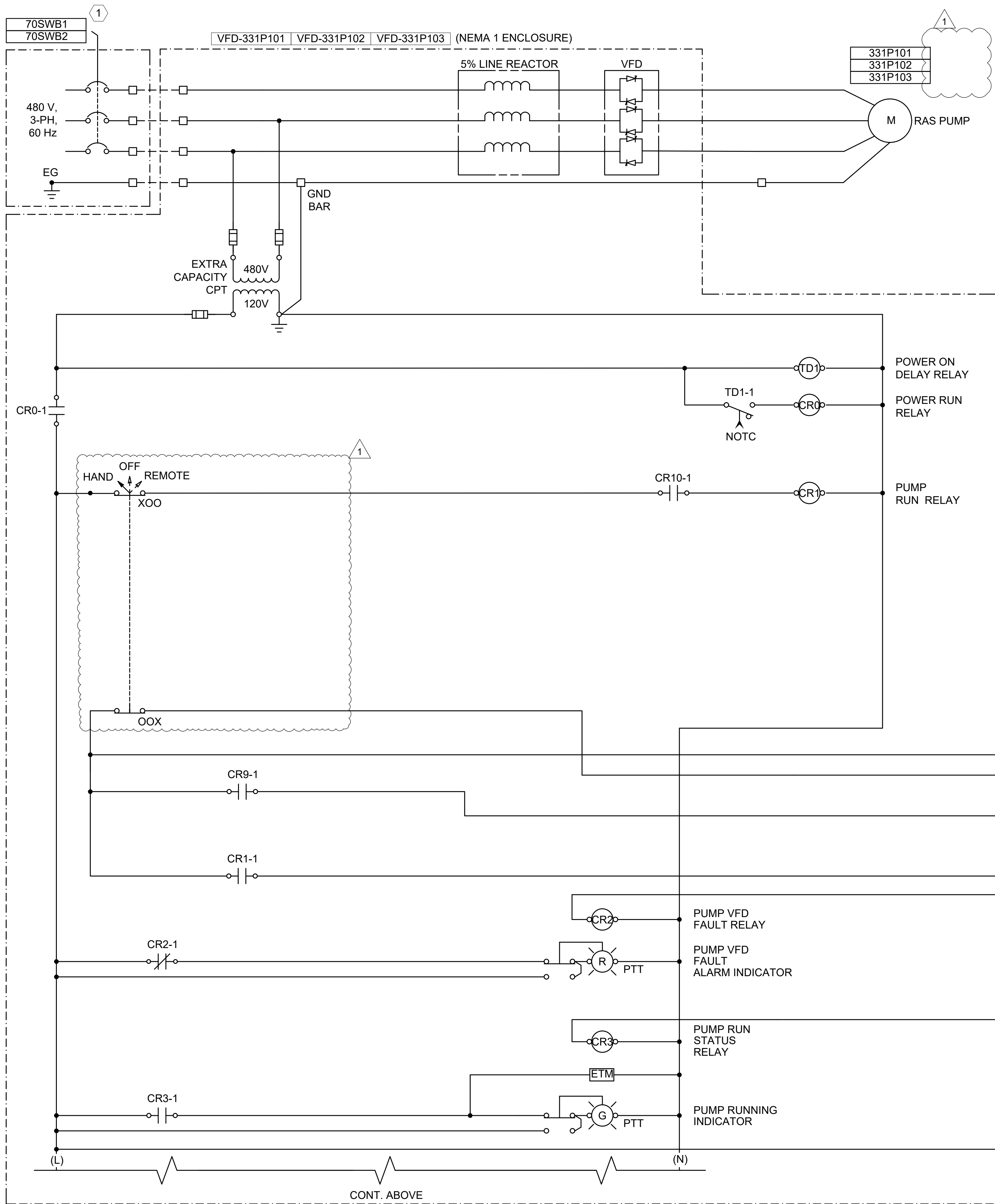
PROCESS TRAINS
INTERCONNECTION
DIAGRAM 5

JOB NO.: W07-2401219
DATE: AUG. 2026
DESIGNED BY: MDK
DRAWN BY: KL
CHECKED BY: BSC

BAR IS ONE INCH ON ORIGINAL DRAWING
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY.

DRAWING NUMBER
30-E505
SHEET NUMBER
330

File: C:\Users\FDAndaya\Documents\Garver\W07-2401219 - Liberty Hill North Fork WWTP Design\Project Files\Garver\Civil\HNF-30-E701.dwg Last Save: 9/4/2026 4:17 PM Last saved by: FDAndaya
Last plotted by: Andaya, Ferdinand D. (Damian) Plot Style: AECmonochrome.ctb Plot Date: 9/4/2026 4:17 PM Plotter used: None

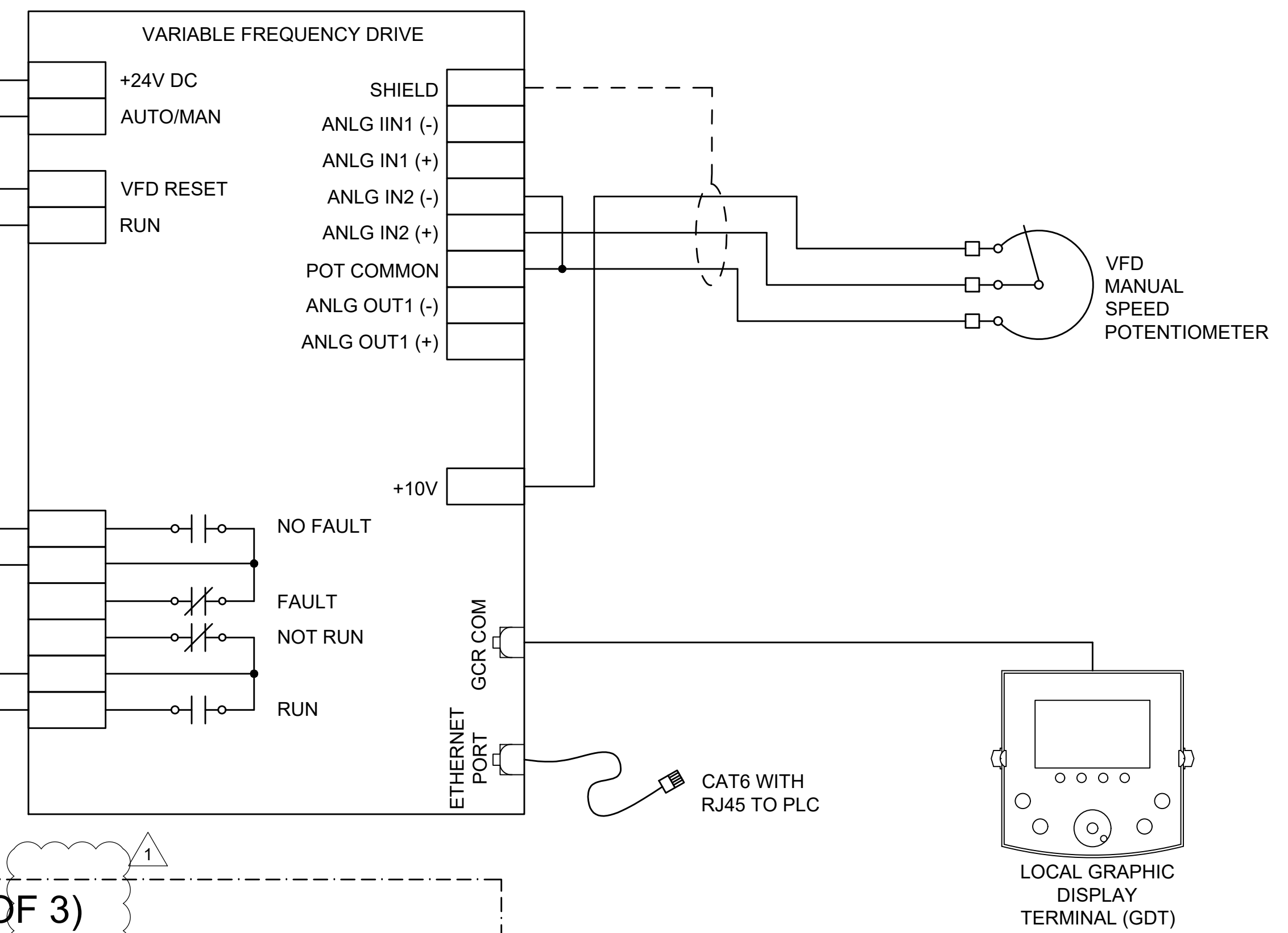


GENERAL NOTES:

1. THIS SCHEMATIC IS GENERIC IN NATURE AND IS NOT INTENDED TO BE A COMPLETE SCHEMATIC SHOWING ALL CONNECTIONS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING A DETAILED SCHEMATIC OF THE VFD AND ALL CONNECTED EQUIPMENT.
2. MAKE ALL FINAL CONNECTIONS PER MANUFACTURER'S INSTRUCTIONS.
3. ALL POWER CONNECTIONS TO EXTERNAL DEVICES SHALL BE THROUGH THE USE OF CIRCUIT BREAKERS OR FUSED TERMINAL BLOCKS.
4. PROVIDE NUMBER OF RELAYS AS REQUIRED FOR NUMBER OF REQUIRED CONTACTS.

KEY NOTES:

- 1 VFD-331P101 AND VFD-331P103 SHALL BE FED FROM 70SWB1. VFD-331P102 SHALL BE FED FROM 70SWB2.
- 2 I/O TYPICAL FOR EACH PUMP.

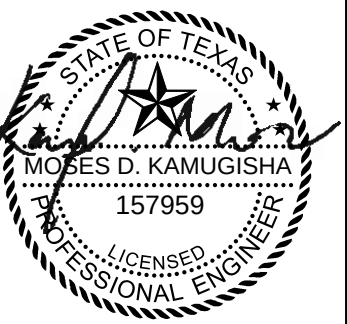


1
30-E701 RAS PUMP VFD CONTROL SCHEMATIC (TYP. OF 3)
SCALE: NONE



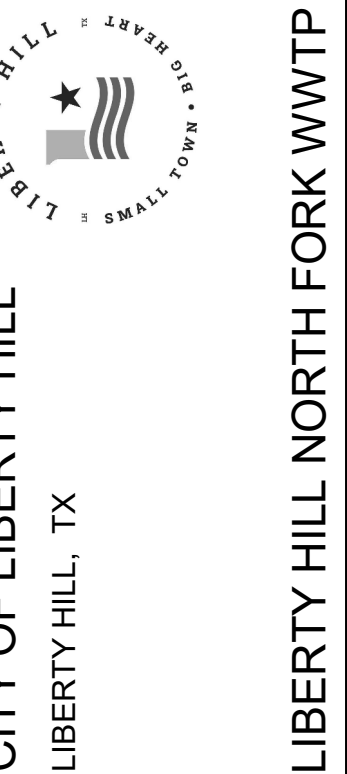
© 2026 GARVER, LLC
THIS DOCUMENT, ALONG WITH THE
IDEAS AND DESIGNS CONVEYED
HEREIN, SHALL BE CONSIDERED
INSTRUMENTS OF PROFESSIONAL
SERVICE AND ARE PROPERTY OF
GARVER, LLC. ANY USE,
REPRODUCTION, OR DISTRIBUTION
OF THIS DOCUMENT, ALONG WITH
THE IDEAS AND DESIGN CONTAINED
HEREIN, IS PROHIBITED UNLESS
AUTHORIZED IN WRITING BY
GARVER, LLC OR EXPLICITLY
ALLOWED IN THE GOVERNING
PROFESSIONAL SERVICES
AGREEMENT FOR THIS WORK.

REGISTRATION NO.
F-5713



Digitally Signed 09/11/2026

BY	MDK			
DESCRIPTION	ADDENDUM NO.3			
DATE	09/11/26			
REV	1			

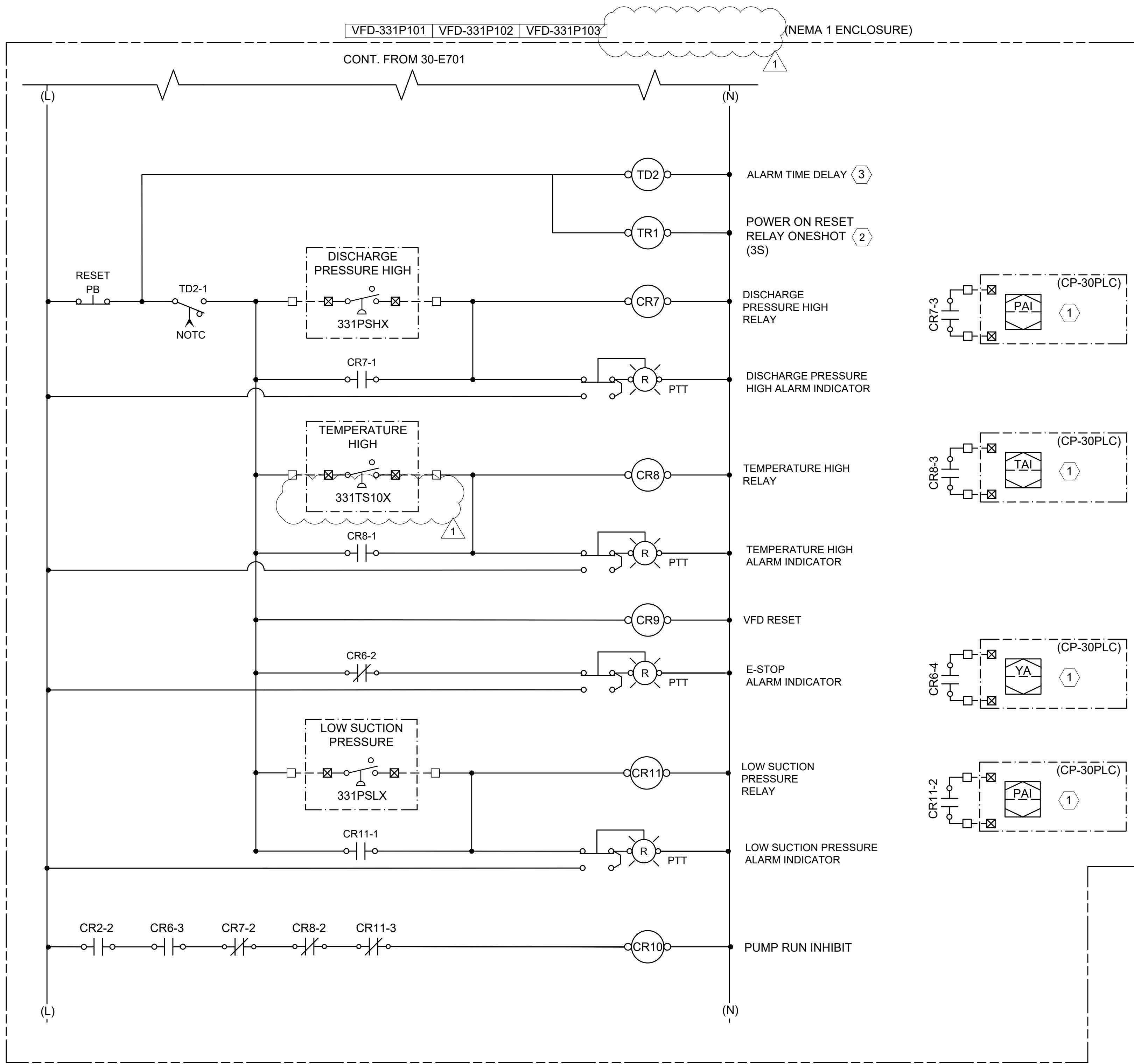


RAS PUMP VFD
CONTROL
SCHEMATIC (TYP. OF
3)

JOB NO.: W07-2401219
DATE: SEPT. 2026
DESIGNED BY: MDK
DRAWN BY: FDA
CHECKED BY: BSC

BAR IS ONE INCH ON
ORIGINAL DRAWING
0 1"
IF NOT ONE INCH ON THIS SHEET,
ADJUST SCALES ACCORDINGLY
DRAWING NUMBER
30-E701
SHEET
NUMBER **332**

File: C:\Users\FDAndaya\Documents\Garver\Projects\North Fork WWTP Design\Project Files\Garver\Civil\HNF-30-E702.dwg Last Save: 9/4/2026 4:17 PM Last saved by: FDAndaya
Last plotted by: Andaya, Ferdinand D. (Damian) Plot Style: AEOmno.ctb Plot Date: 9/4/2026 4:17 PM Plotter used: None



GENERAL NOTES:

- THIS SCHEMATIC IS GENERIC IN NATURE AND IS NOT INTENDED TO BE A COMPLETE SCHEMATIC SHOWING ALL CONNECTIONS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING A DETAILED SCHEMATIC OF THE VFD AND ALL CONNECTED EQUIPMENT.
- MAKE ALL FINAL CONNECTIONS PER MANUFACTURER'S INSTRUCTIONS.
- ALL POWER CONNECTIONS TO EXTERNAL DEVICES SHALL BE THROUGH THE USE OF CIRCUIT BREAKERS OR FUSED TERMINAL BLOCKS.
- PROVIDE NUMBER OF RELAYS AS REQUIRED FOR NUMBER OF REQUIRED CONTACTS.

KEY NOTES:

- I/O TYPICAL FOR EACH PUMP.
- SCHNEIDER ELECTRIC CLASS 9050 JCK34V20 ONE SHOT TIMING RELAY WITH BASE OR EQUAL. CIRCUIT FOR AUTOMATICALLY RESETTING FAIL-SAFE CIRCUITS AFTER POWER OUTAGE. CONTACT TR3-1 WILL CLOSE FOR (3) SECONDS WHEN INPUT VOLTAGE IS APPLIED, THEN OPEN AND STAY OPEN ONCE TIMING CYCLE IS COMPLETE.
- ALLEN-BRADLEY PANEL MOUNT 700-HRF REPEAT CYCLE TIMER WITH ADJUSTABLE ON AND ADJUSTABLE OFF TIMES OR EQUAL.

1
30-E702

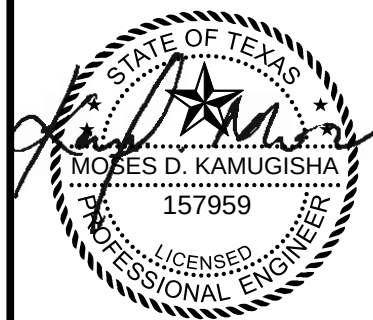
RAS PUMP VFD CONTROL SCHEMATIC CONT. (TYP. OF 3)

SCALE: NONE



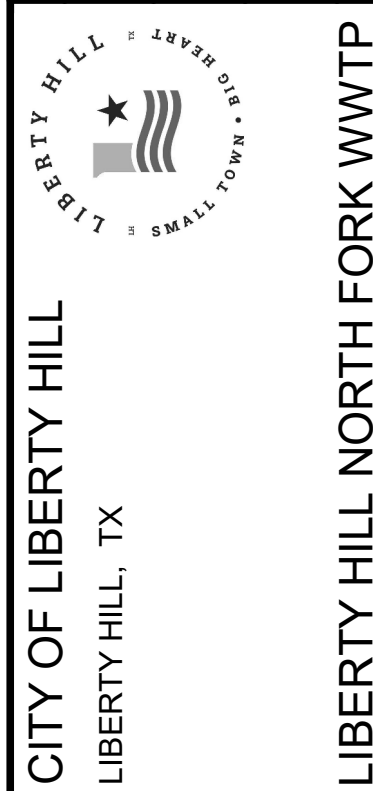
© 2026 GARVER, LLC
THIS DOCUMENT, ALONG WITH THE
IDEAS AND DESIGNS CONVEYED
HEREIN, SHALL BE CONSIDERED
INSTRUMENTS OF PROFESSIONAL
SERVICE AND ARE PROPERTY OF
GARVER, LLC. ANY USE,
REPRODUCTION, OR DISTRIBUTION
OF THIS DOCUMENT, ALONG WITH
THE IDEAS AND DESIGN CONTAINED
HEREIN, IS PROHIBITED UNLESS
AUTHORIZED IN WRITING BY
GARVER, LLC OR EXPLICITLY
ALLOWED IN THE GOVERNING
PROFESSIONAL SERVICES
AGREEMENT FOR THIS WORK.

REGISTRATION NO.
F-5713



Digitally Signed 09/11/2026

BY	MDK			
DESCRIPTION	ADDENDUM NO.3			
DATE	09/11/26			
REV	1			



RAS PUMP VFD
CONTROL
SCHEMATIC CONT.
(TYP. OF 3)

JOB NO.: W07-2401219
DATE: SEPT. 2026
DESIGNED BY: MDK
DRAWN BY: FDA
CHECKED BY: BSC

BAR IS ONE INCH ON
ORIGINAL DRAWING
0 1"

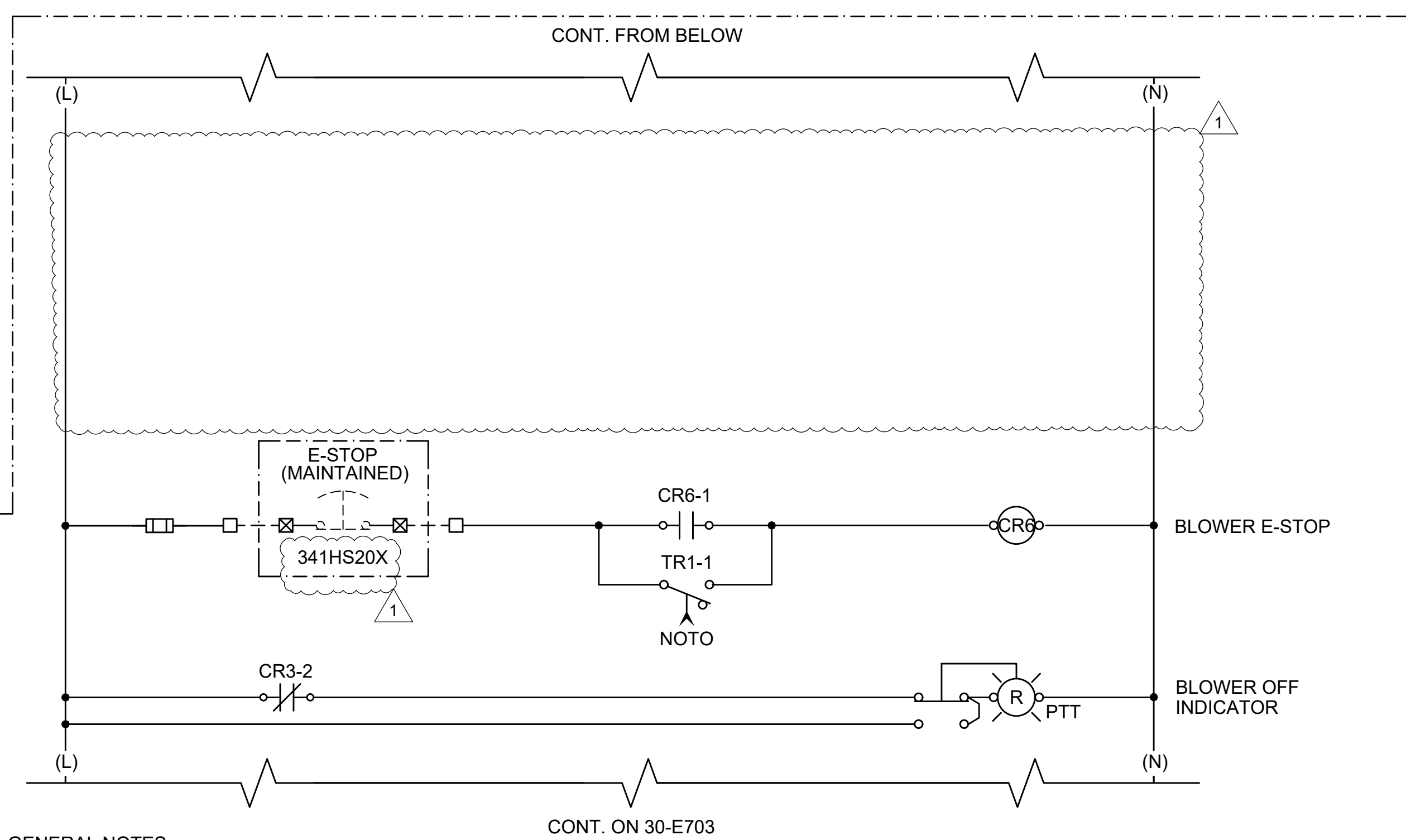
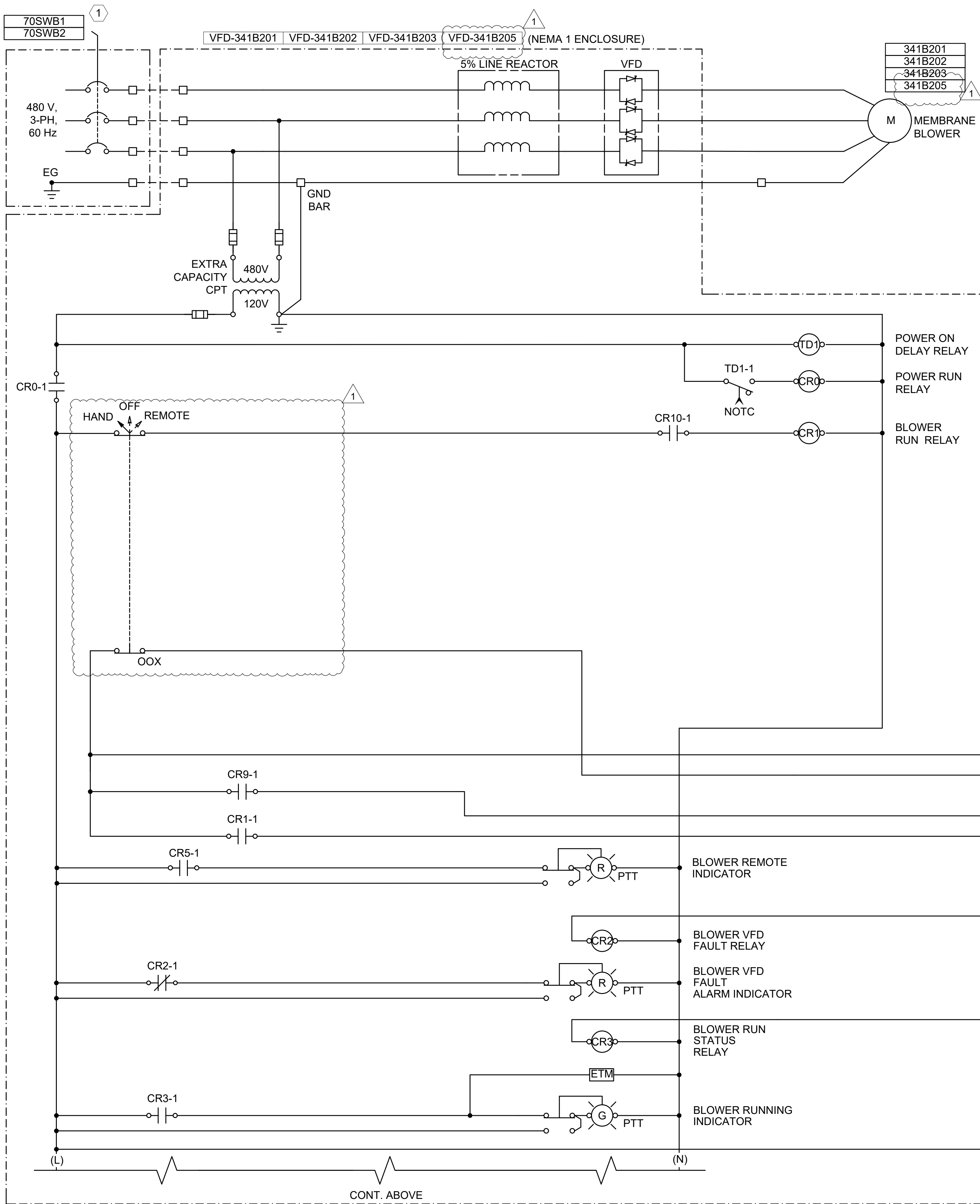
IF NOT ONE INCH ON THIS SHEET,
ADJUST SCALES ACCORDINGLY.

DRAWING NUMBER

30-E702

SHEET
NUMBER **333**

File: C:\Users\FDAndaya\Documents\Garver\Projects\North Fork WWTP Design\Project Files\Garver\Civil\HNF-30-E703.dwg Last Save: 9/4/2026 4:18 PM Last saved by: FDAndaya
Last plotted by: Andaya, Ferdinand D. (Damian) Plot Style: AECmon.ctb Plot Date: 9/4/2026 4:18 PM Plotter used: None

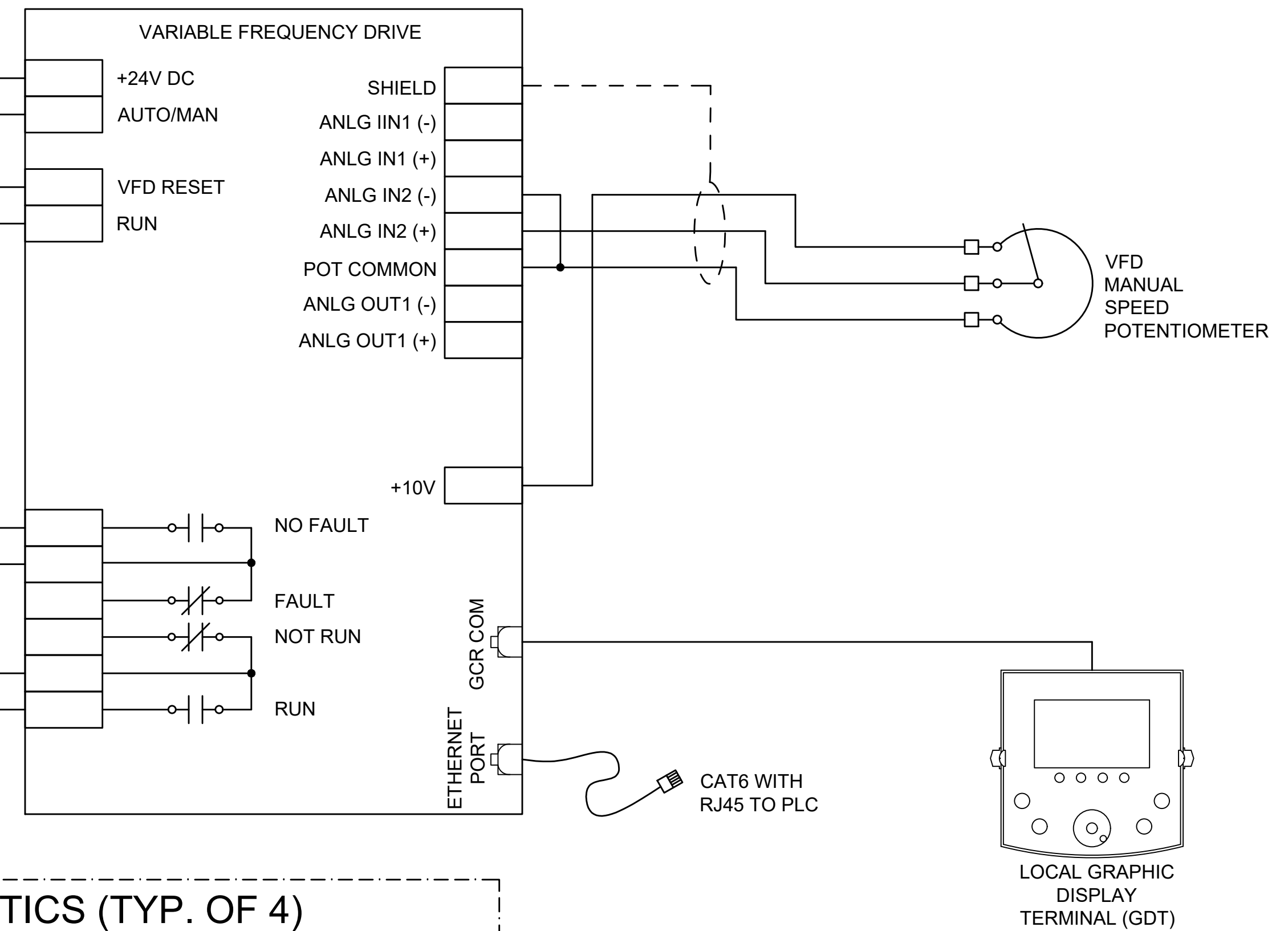


GENERAL NOTES:

- THIS SCHEMATIC IS GENERIC IN NATURE AND IS NOT INTENDED TO BE A COMPLETE SCHEMATIC SHOWING ALL CONNECTIONS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING A DETAILED SCHEMATIC OF THE VFD AND ALL CONNECTED EQUIPMENT.
- MAKE ALL FINAL CONNECTIONS PER MANUFACTURER'S INSTRUCTIONS.
- ALL POWER CONNECTIONS TO EXTERNAL DEVICES SHALL BE THROUGH THE USE OF CIRCUIT BREAKERS OR FUSED TERMINAL BLOCKS.
- PROVIDE NUMBER OF RELAYS AS REQUIRED FOR NUMBER OF REQUIRED CONTACTS.

KEY NOTES:

- 1 VFD-341B201 AND VFD-341B203 SHALL BE FED FROM 70SWB1. VFD-341B202 AND VFD-341B204 SHALL BE FED FROM 70SWB2.
- 2 I/O TYPICAL FOR EACH BLOWER.

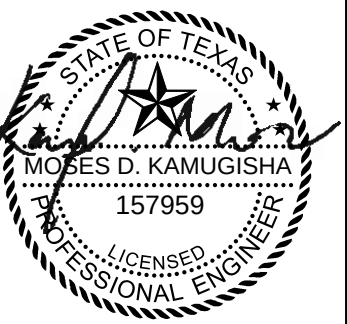


1
30-E703
MEMBRANE BLOWER VFD CONTROL SCHEMATICS (TYP. OF 4)
SCALE: NONE



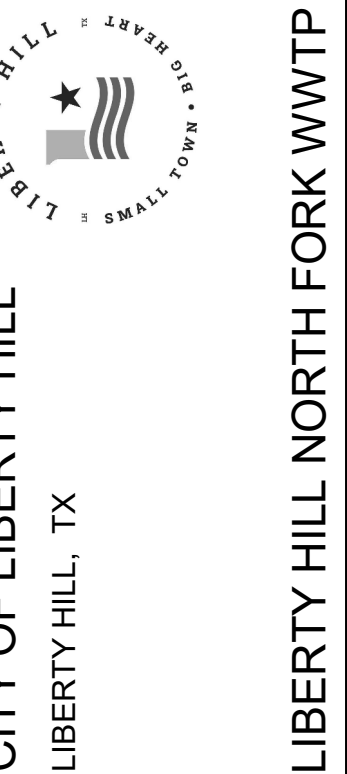
© 2026 GARVER, LLC
THIS DOCUMENT, ALONG WITH THE
IDEAS AND DESIGNS CONVEYED
HEREIN, SHALL BE CONSIDERED
INSTRUMENTS OF PROFESSIONAL
SERVICE AND ARE PROPERTY OF
GARVER, LLC. ANY USE,
REPRODUCTION, OR DISTRIBUTION
OF THIS DOCUMENT, ALONG WITH
THE IDEAS AND DESIGN CONTAINED
HEREIN, IS PROHIBITED UNLESS
AUTHORIZED IN WRITING BY
GARVER, LLC OR EXPLICITLY
ALLOWED IN THE GOVERNING
PROFESSIONAL SERVICES
AGREEMENT FOR THIS WORK.

REGISTRATION NO.
F-5713



Digitally Signed 09/11/2026

BY	MDK			
DESCRIPTION	ADDENDUM NO.3			
DATE	09/11/26			
REV	1			



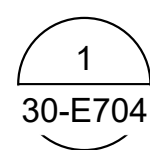
MEMBRANE BLOWER
VFD CONTROL
SCHEMATICS (TYP.
OF 4)

JOB NO.: W07-2401219
DATE: SEPT. 2026
DESIGNED BY: MDK
DRAWN BY: FDA
CHECKED BY: BSC

BAR IS ONE INCH ON
ORIGINAL DRAWING
0 1"
IF NOT ONE INCH ON THIS SHEET,
ADJUST SCALES ACCORDINGLY

DRAWING NUMBER
30-E703

SHEET
NUMBER **334**

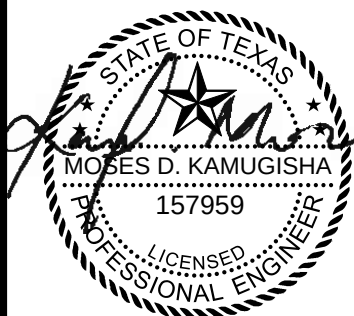


SCALE: NONE



2026 GARVER, LLC
THIS DOCUMENT, ALONG WITH THE
IDEAS AND DESIGNS CONVEYED
HEREIN, SHALL BE CONSIDERED
INSTRUMENTS OF PROFESSIONAL
SERVICE AND ARE PROPERTY OF
GARVER, LLC, ANY USE,
REPRODUCTION, OR DISTRIBUTION
OF THIS DOCUMENT, ALONG WITH
THE IDEAS AND DESIGN CONTAINED
HEREIN, IS PROHIBITED UNLESS
AUTHORIZED IN WRITING BY
GARVER, LLC OR EXPLICITLY
ALLOWED IN THE GOVERNING
PROFESSIONAL SERVICES
AGREEMENT FOR THIS WORK.

REGISTRATION NO.
F-5713



Digitally Signed 09/11/2026

REV	DATE	DESCRIPTION	BY
1	09/11/26	ADDENDUM NO.3	MDK



CITY OF LIBERTY HILL
LIBERTY HILL, TX

MEMBRANE
BLOWERS VFD
CONTROL
SCHEMATIC (TYP. OF
4) CONT.

JOB NO.: W07-24012
DATE: SEPT. 2026
DESIGNED BY: MDK
DRAWN BY: FDA
CHECKED BY: BSC

BAR IS ONE INCH ON
ORIGINAL DRAWING

0 1"

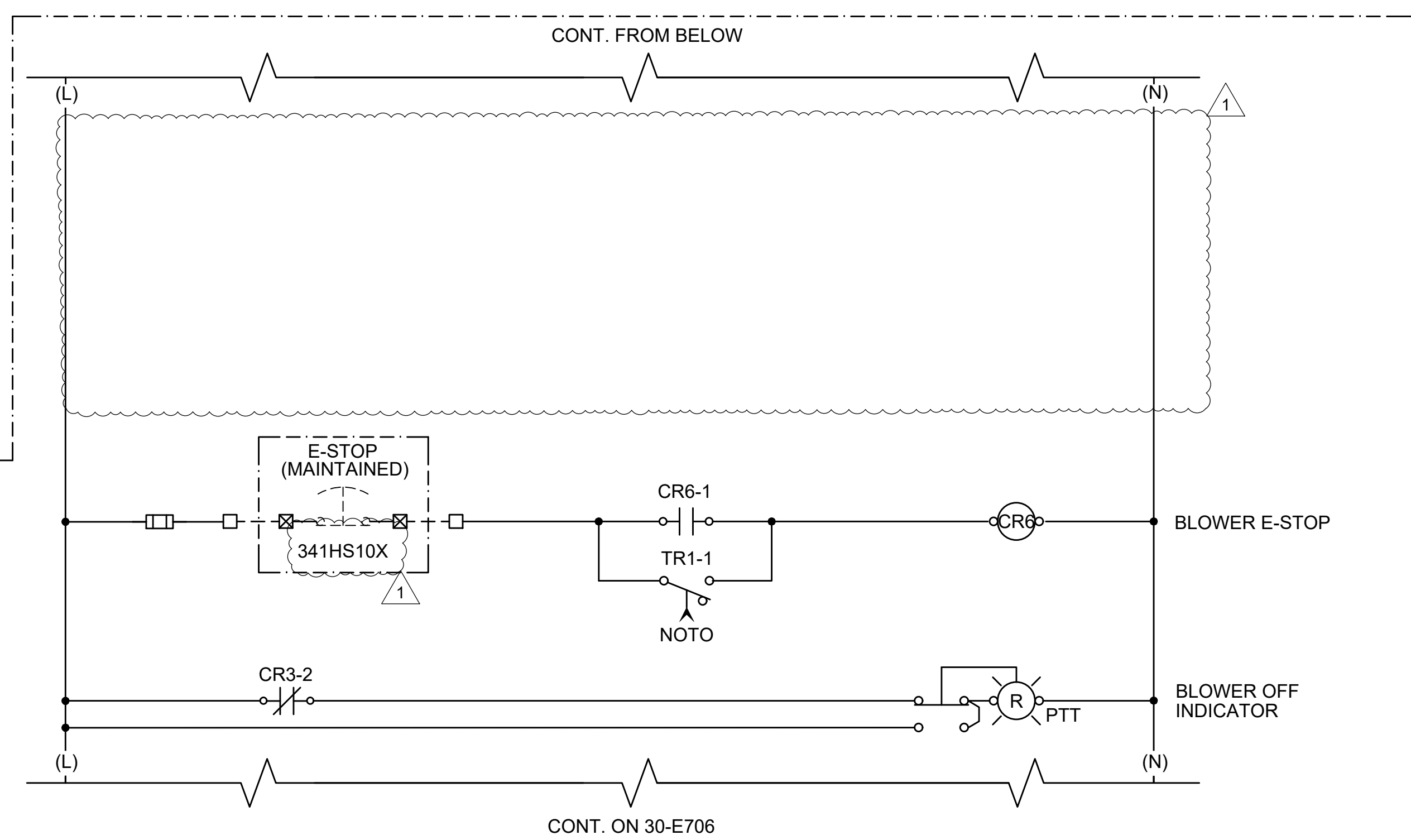
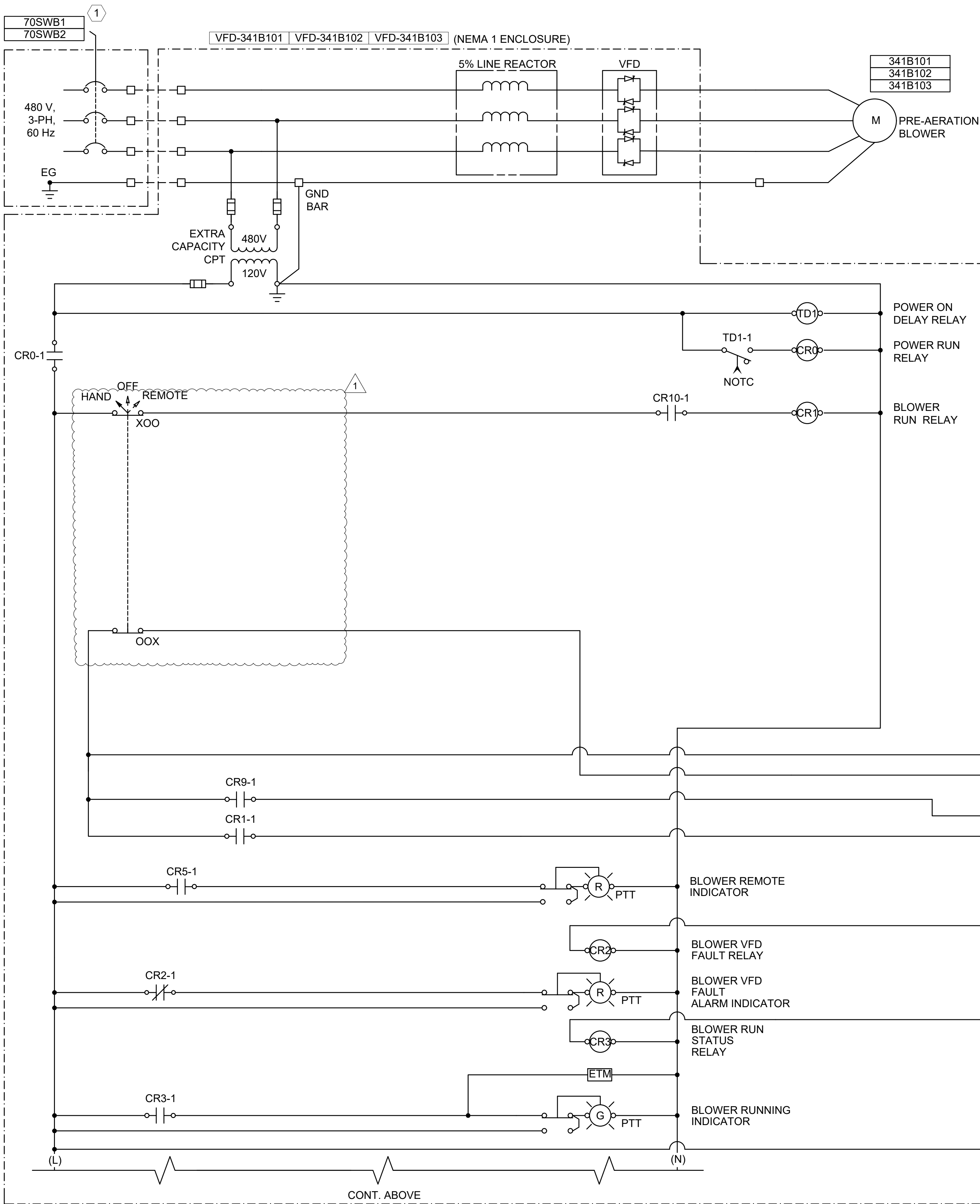
IF NOT ONE INCH ON THIS SHEET
ADJUST SCALES ACCORDINGLY

DRAWING NUMBER

DRAWING NUMBER
30-E704

SHEET NUMBER **335**

File: C:\Users\FDAndaya\Documents\Garver\Projects\North Fork WWTP Design\Project Files\Garver\Civil\HNF-30-E705.dwg Last Save: 9/4/2026 4:20 PM Last saved by: FDAndaya
Last plotted by: Andaya, Ferdinand D. (Damian) Plot Style: AECmon.ctb Plot Date: 9/4/2026 4:20 PM Plotter used: None

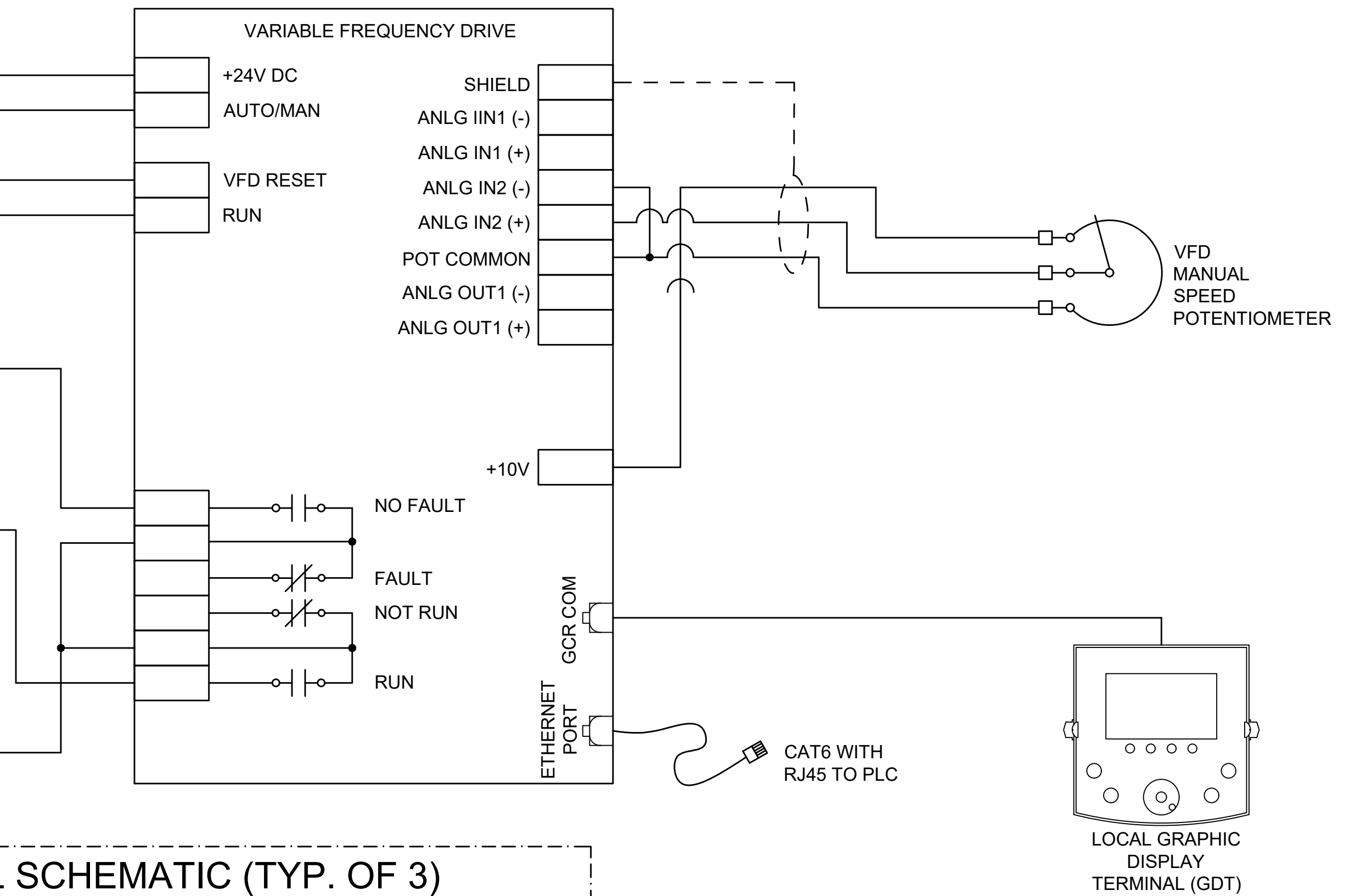


GENERAL NOTES:

- THIS SCHEMATIC IS GENERIC IN NATURE AND IS NOT INTENDED TO BE A COMPLETE SCHEMATIC SHOWING ALL CONNECTIONS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING A DETAILED SCHEMATIC OF THE VFD AND ALL CONNECTED EQUIPMENT.
- MAKE ALL FINAL CONNECTIONS PER MANUFACTURER'S INSTRUCTIONS.
- ALL POWER CONNECTIONS TO EXTERNAL DEVICES SHALL BE THROUGH THE USE OF CIRCUIT BREAKERS OR FUSED TERMINAL BLOCKS.
- PROVIDE NUMBER OF RELAYS AS REQUIRED FOR NUMBER OF REQUIRED CONTACTS.

KEY NOTES:

- VFD-341B201 AND VFD-341B203 SHALL BE FED FROM 70SWB1. VFD-341B202 SHALL BE FED FROM 70SWB2.
- I/O TYPICAL FOR EACH BLOWER.

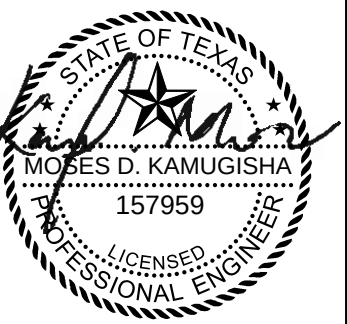


1
30-E705 PRE-AERATION BLOWER VFD CONTROL SCHEMATIC (TYP. OF 3)
SCALE: NONE



© 2026 GARVER, LLC
THIS DOCUMENT, ALONG WITH THE
IDEAS AND DESIGNS CONVEYED
HEREIN, SHALL BE CONSIDERED
INSTRUMENTS OF PROFESSIONAL
SERVICE AND ARE PROPERTY OF
GARVER, LLC. ANY USE,
REPRODUCTION, OR DISTRIBUTION
OF THIS DOCUMENT, ALONG WITH
THE IDEAS AND DESIGN CONTAINED
HEREIN, IS PROHIBITED UNLESS
AUTHORIZED IN WRITING BY
GARVER, LLC OR EXPLICITLY
ALLOWED IN THE GOVERNING
PROFESSIONAL SERVICES
AGREEMENT FOR THIS WORK.

REGISTRATION NO.
F-5713



Digitally Signed 09/11/2026

BY	MDK			
DESCRIPTION	ADDENDUM NO.3			
DATE	09/11/26			
REV	1			



CITY OF LIBERTY HILL
LIBERTY HILL, TX
LIBERTY HILL NORTH FORK WWTP

PRE-AERATION
BLOWER VFD
CONTROL
SCHEMATIC (TYP. OF
3)

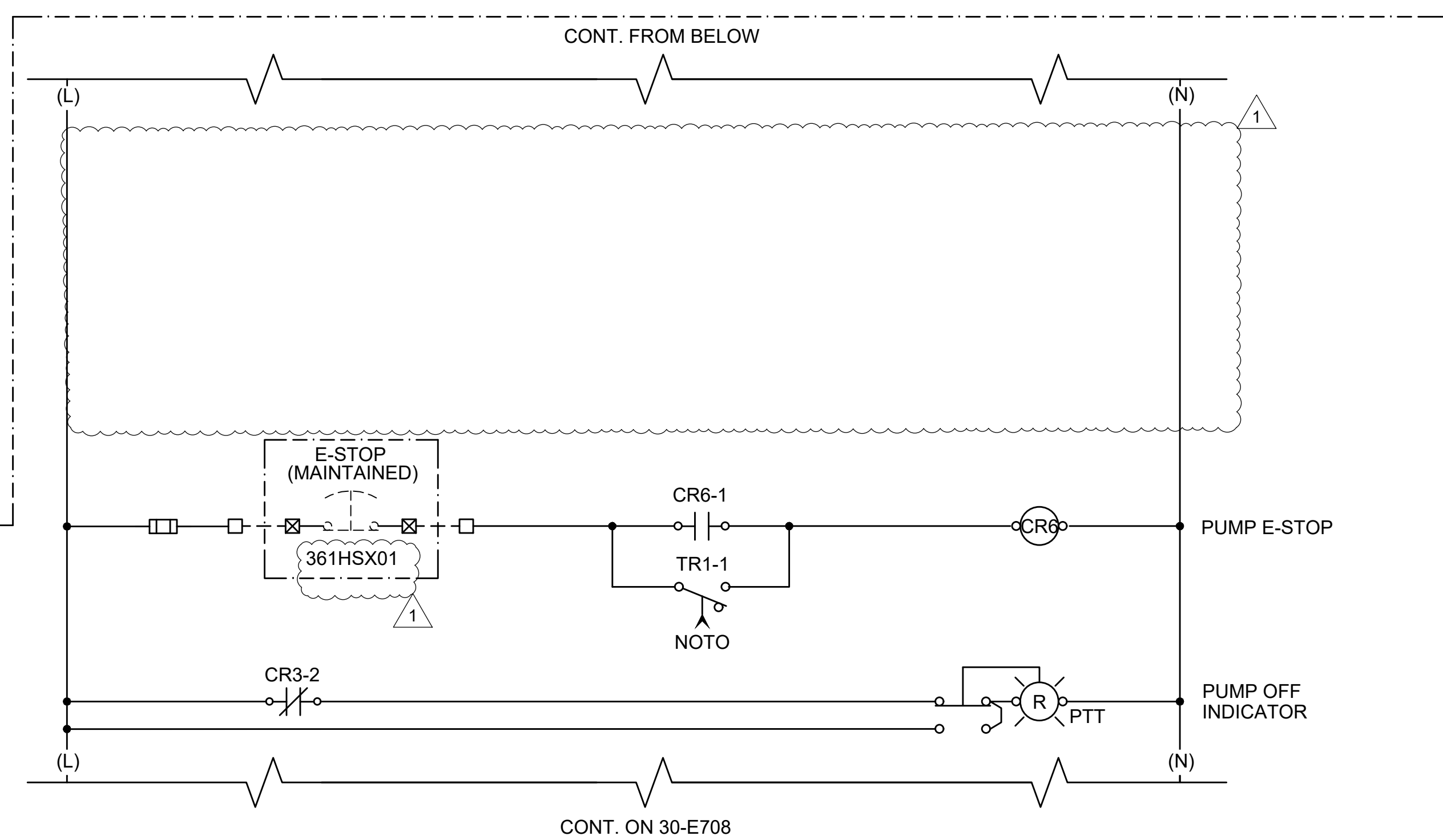
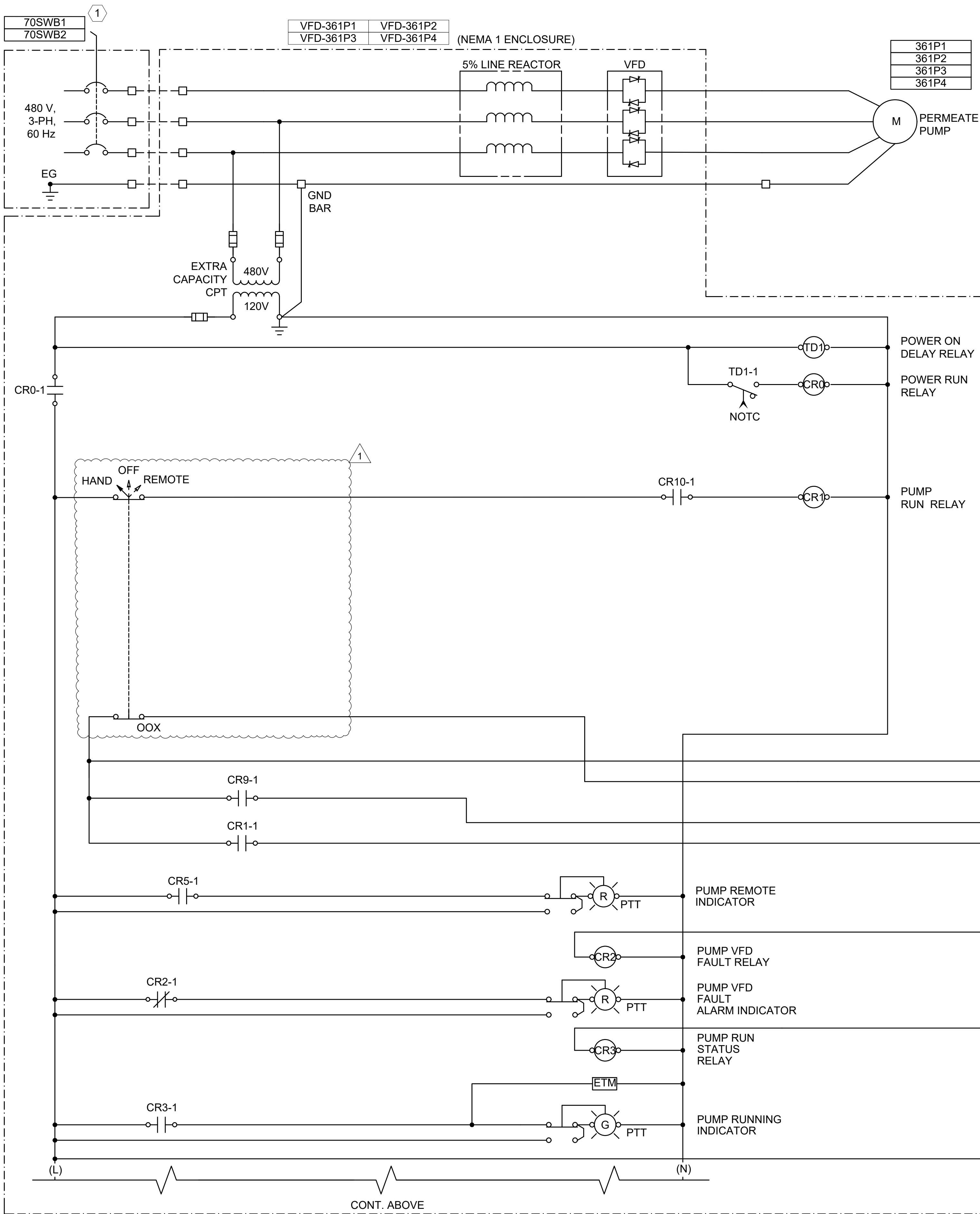
JOB NO.: W07-2401219
DATE: SEPT. 2026
DESIGNED BY: MDK
DRAWN BY: FDA
CHECKED BY: BSC

BAR IS ONE INCH ON
ORIGINAL DRAWING
0 1"
IF NOT ONE INCH ON THIS SHEET,
ADJUST SCALES ACCORDINGLY.

DRAWING NUMBER
30-E705

SHEET
NUMBER **336**

File: C:\Users\FDAndaya\Documents\Garver\Projects\North Fork WWTP Design\Project Files\Garver\Civil\HNF-30-E707.dwg Last Save: 9/4/2026 4:22 PM Last saved by: FDAndaya
Last plotted by: Andaya, Ferdinand D. (Damian) Plot Style: AECmon.ctb Plot Date: 9/4/2026 4:22 PM Plotter used: None

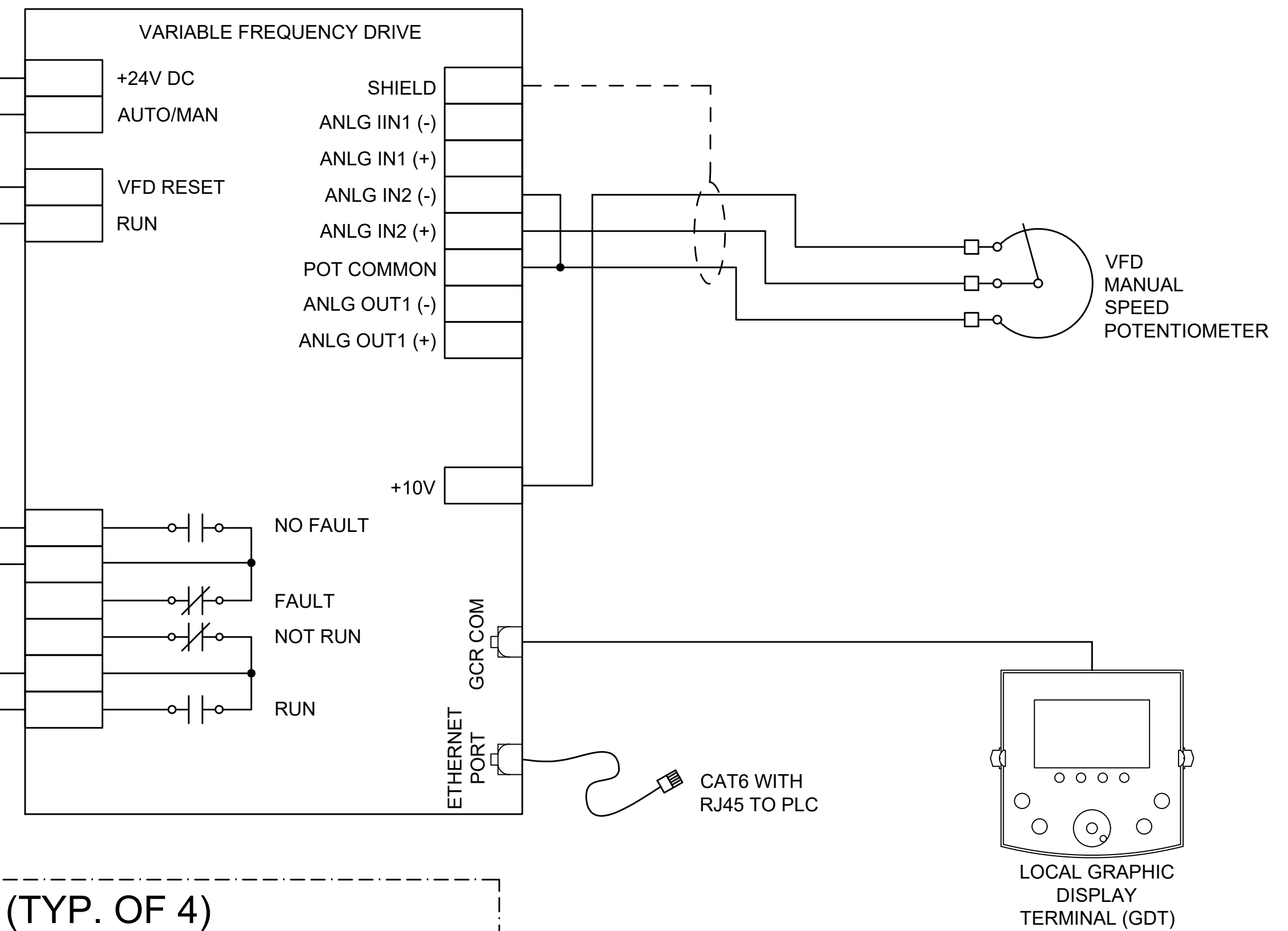


GENERAL NOTES:

- THIS SCHEMATIC IS GENERIC IN NATURE AND IS NOT INTENDED TO BE A COMPLETE SCHEMATIC SHOWING ALL CONNECTIONS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING A DETAILED SCHEMATIC OF THE VFD AND ALL CONNECTED EQUIPMENT.
- MAKE ALL FINAL CONNECTIONS PER MANUFACTURER'S INSTRUCTIONS.
- ALL POWER CONNECTIONS TO EXTERNAL DEVICES SHALL BE THROUGH THE USE OF CIRCUIT BREAKERS OR FUSED TERMINAL BLOCKS.
- PROVIDE NUMBER OF RELAYS AS REQUIRED FOR NUMBER OF REQUIRED CONTACTS.

KEY NOTES:

- ① VFD-361P1 AND VFD-451P3 SHALL BE FED FROM 70SWB1. VFD-361P2 AND VFD-361P4 SHALL BE FED FROM 70SWB2.
- ② I/O TYPICAL FOR EACH PUMP.

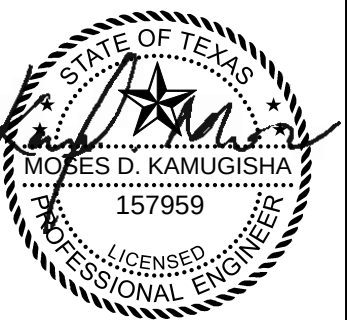


1
30-E707 PERMEATE PUMP VFD CONTROL SCHEMATIC (TYP. OF 4)
SCALE: NONE



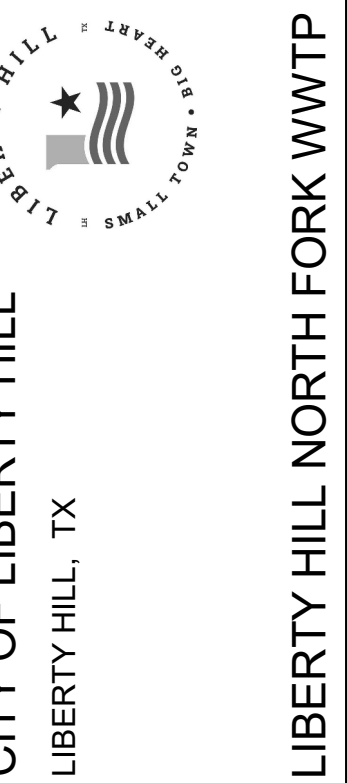
© 2026 GARVER, LLC
THIS DOCUMENT, ALONG WITH THE
IDEAS AND DESIGNS CONVEYED
HEREIN, SHALL BE CONSIDERED
INSTRUMENTS OF PROFESSIONAL
SERVICE AND ARE PROPERTY OF
GARVER, LLC. ANY USE,
REPRODUCTION OR DISTRIBUTION
OF THIS DOCUMENT, ALONG WITH
THE IDEAS AND DESIGN CONTAINED
HEREIN, IS PROHIBITED UNLESS
AUTHORIZED IN WRITING BY
GARVER, LLC OR EXPLICITLY
ALLOWED IN THE GOVERNING
PROFESSIONAL SERVICES
AGREEMENT FOR THIS WORK.

REGISTRATION NO.
F-5713



Digitally Signed 09/11/2026

BY	MDK			
DESCRIPTION	ADDENDUM NO.3			
DATE	09/11/26			
REV	1			



PERMEATE PUMP
VFD CONTROL
SCHEMATIC (TYP. OF
4)

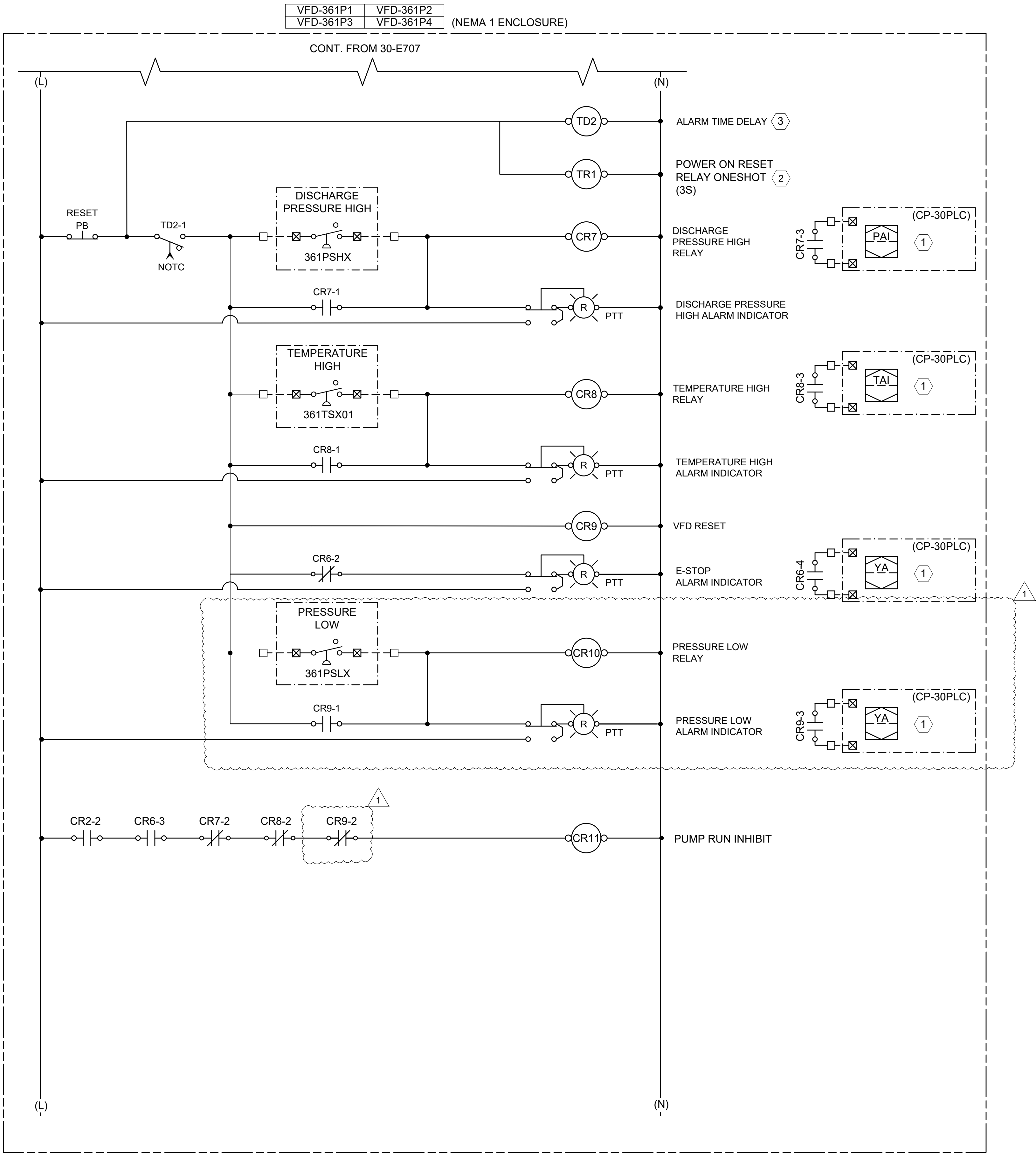
JOB NO.: W07-2401219
DATE: SEPT. 2026
DESIGNED BY: MDK
DRAWN BY: FDA
CHECKED BY: BSC

BAR IS ONE INCH ON
ORIGINAL DRAWING
0 1"
IF NOT ONE INCH ON THIS SHEET,
ADJUST SCALES ACCORDINGLY

DRAWING NUMBER
30-E707

SHEET
NUMBER **338**

File: C:\Users\FDAndaya\Documents\Garver Engineers\W07-2401219 - Liberty Hill North Fork WWTP Design\Project Files\Garver\Civil\HNF-30-E708.dwg Last Save: 9/4/2026 4:23 PM Last saved by: FDAndaya
Last plotted by: Andaya, Ferdinand D. (Damian) Plot Style: AEOmno.cbt Plot Date: 9/4/2026 4:23 PM Plotter used: None



GENERAL NOTES:

- THIS SCHEMATIC IS GENERIC IN NATURE AND IS NOT INTENDED TO BE A COMPLETE SCHEMATIC SHOWING ALL CONNECTIONS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING A DETAILED SCHEMATIC OF THE VFD AND ALL CONNECTED EQUIPMENT.
- MAKE ALL FINAL CONNECTIONS PER MANUFACTURER'S INSTRUCTIONS.
- ALL POWER CONNECTIONS TO EXTERNAL DEVICES SHALL BE THROUGH THE USE OF CIRCUIT BREAKERS OR FUSED TERMINAL BLOCKS.
- PROVIDE NUMBER OF RELAYS AS REQUIRED FOR NUMBER OF REQUIRED CONTACTS.

KEY NOTES:

- 1 I/O TYPICAL FOR EACH PUMP.
- 2 SCHNEIDER ELECTRIC CLASS 9050 JCK34V20 ONE SHOT TIMING RELAY WITH BASE OR EQUAL. CIRCUIT FOR AUTOMATICALLY RESETTING FAIL-SAFE CIRCUITS AFTER POWER OUTAGE. CONTACT TR3-1 WILL CLOSE FOR (3) SECONDS WHEN INPUT VOLTAGE IS APPLIED, THEN OPEN AND STAY OPEN ONCE TIMING CYCLE IS COMPLETE.
- 3 ALLEN-BRADLEY PANEL MOUNT 700-HRF REPEAT CYCLE TIMER WITH ADJUSTABLE ON AND ADJUSTABLE OFF TIMES OR EQUAL.

1
30-E708

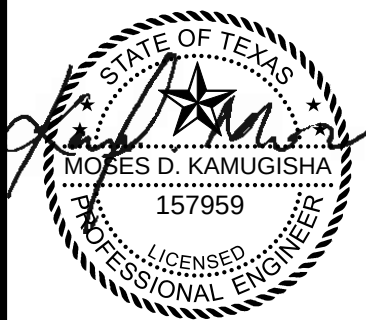
PERMEATE PUMP VFD CONTROL SCHEMATIC CONT. (TYP. OF 4)

SCALE: NONE



© 2026 GARVER, LLC
THIS DOCUMENT, ALONG WITH THE
IDEAS AND DESIGNS CONVEYED
HEREIN, SHALL BE CONSIDERED
INSTRUMENTS OF PROFESSIONAL
SERVICE AND ARE PROPERTY OF
GARVER, LLC. ANY USE,
REPRODUCTION, OR DISTRIBUTION
OF THIS DOCUMENT, ALONG WITH
THE IDEAS AND DESIGN CONTAINED
HEREIN, IS PROHIBITED UNLESS
AUTHORIZED IN WRITING BY
GARVER, LLC OR EXPLICITLY
ALLOWED IN THE GOVERNING
PROFESSIONAL SERVICES
AGREEMENT FOR THIS WORK.

REGISTRATION NO.
F-5713



Digitally Signed 09/11/2026

BY	MDK			
DESCRIPTION	ADDENDUM NO.3			
DATE	09/11/26			
REV	1			



PERMEATE PUMP
VFD CONTROL
SCHEMATIC CONT.
(TYP. OF 4)

JOB NO.: W07-2401219
DATE: SEPT. 2026
DESIGNED BY: MDK
DRAWN BY: FDA
CHECKED BY: BSC

BAR IS ONE INCH ON
ORIGINAL DRAWING
0 1"

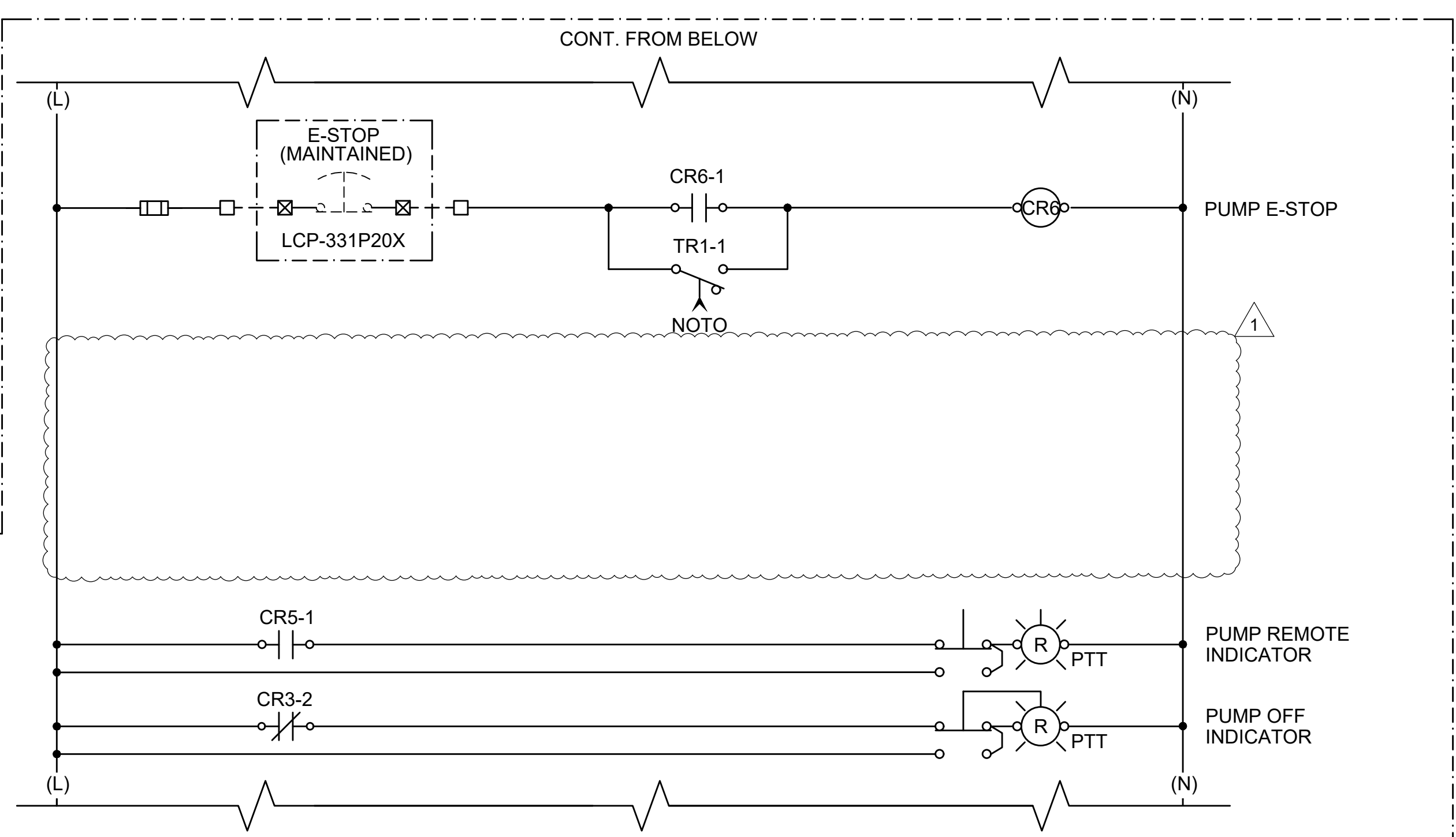
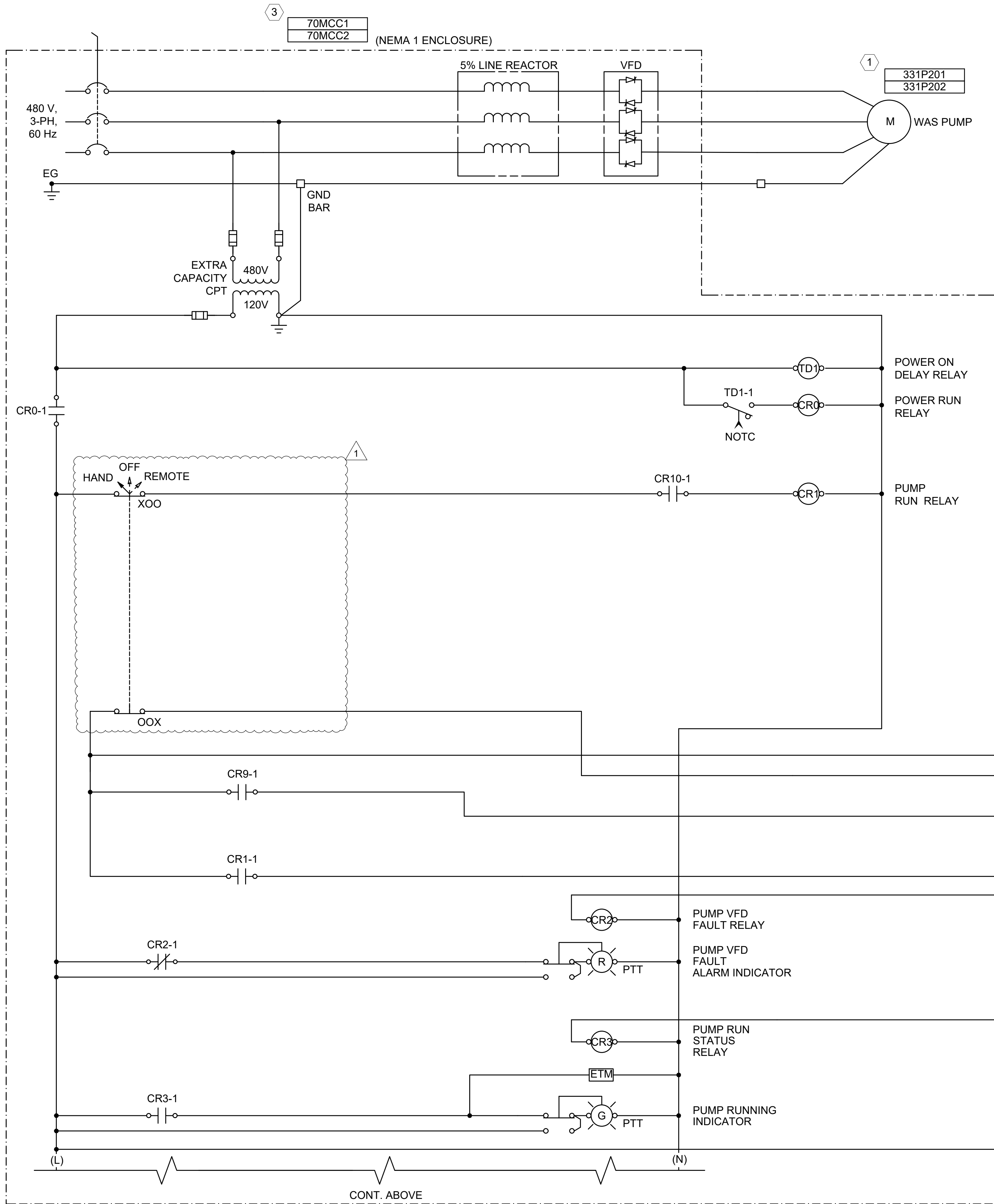
IF NOT ONE INCH ON THIS SHEET,
ADJUST SCALES ACCORDINGLY.

DRAWING NUMBER

30-E708

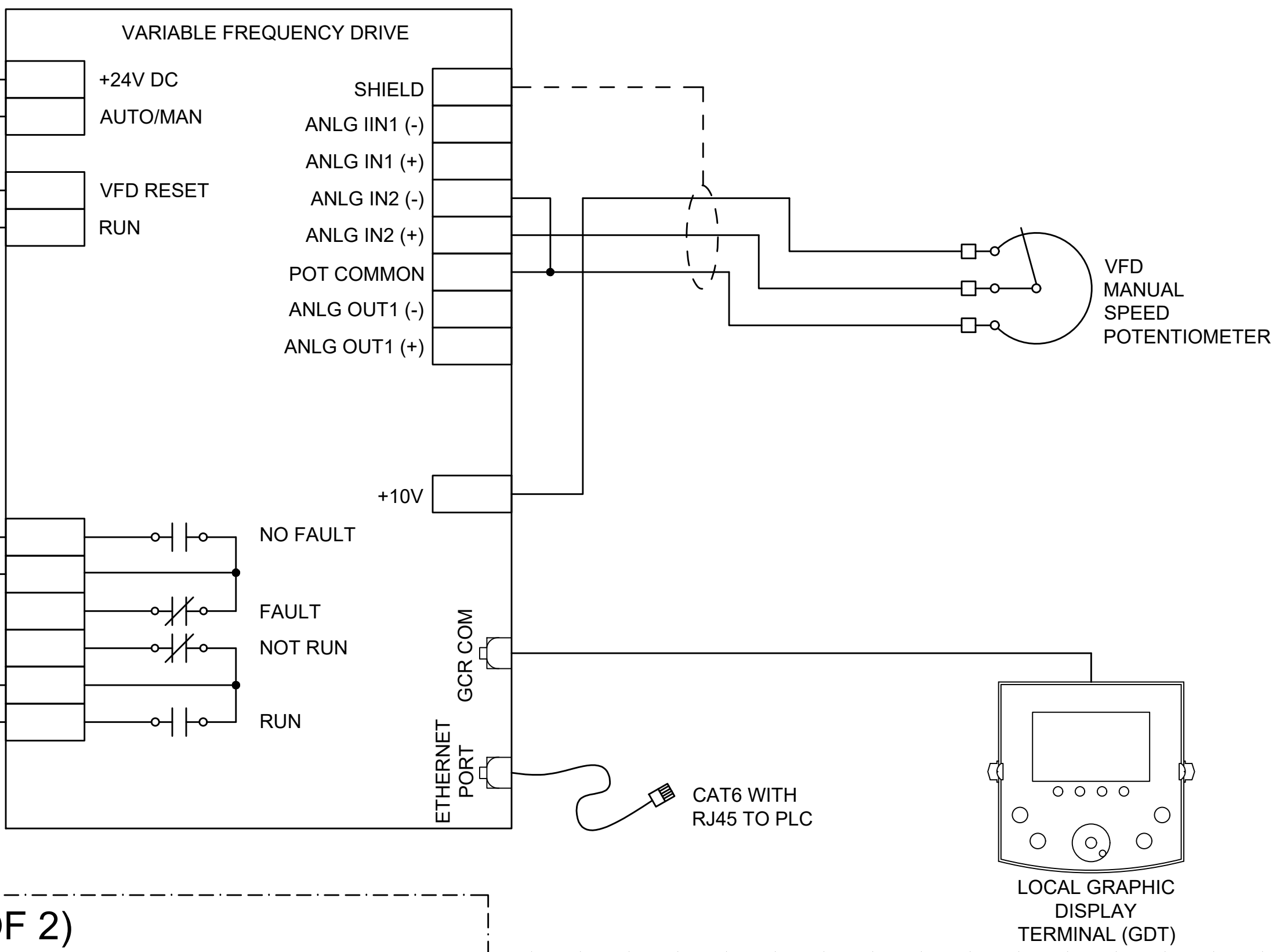
SHEET
NUMBER **339**

File: C:\Users\FDAndaya\Documents\Garver\Projects\North Fork WWTP Design\Project Files\Garver\Civil\HNF-30-E709.dwg Last Save: 9/4/2026 4:24 PM Last saved by: FDAndaya
Last plotted by: Andaya, Ferdinand D. (Damian) Plot Style: AECmon.ctb Plot Date: 9/4/2026 4:24 PM Plotter used: None



- GENERAL NOTES:**
- THIS SCHEMATIC IS GENERIC IN NATURE AND IS NOT INTENDED TO BE A COMPLETE SCHEMATIC SHOWING ALL CONNECTIONS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING A DETAILED SCHEMATIC OF THE VFD AND ALL CONNECTED EQUIPMENT.
 - MAKE ALL FINAL CONNECTIONS PER MANUFACTURER'S INSTRUCTIONS.
 - ALL POWER CONNECTIONS TO EXTERNAL DEVICES SHALL BE THROUGH THE USE OF CIRCUIT BREAKERS OR FUSED TERMINAL BLOCKS.
 - PROVIDE NUMBER OF RELAYS AS REQUIRED FOR NUMBER OF REQUIRED CONTACTS.

- KEY NOTES:**
- VFD-451P1 AND VFD-451P3 SHALL BE FED FROM 70MCC1. VFD-451P2 SHALL BE FED FROM 70MCC2.
 - I/O TYPICAL FOR EACH PUMP.
 - 70MCC1 SHALL BE FED FROM 70SWB1. 70MCC2 SHALL BE FED FROM 70SWB2.

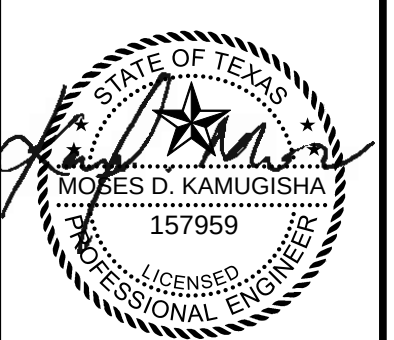


1
30-E709
WAS PUMP VFD CONTROL SCHEMATIC (TYP. OF 2)
SCALE: NONE



© 2026 GARVER, LLC
THIS DOCUMENT, ALONG WITH THE IDEAS AND DESIGNS CONVEYED HEREIN, SHALL BE CONSIDERED INSTRUMENTS OF PROFESSIONAL SERVICE AND ARE PROPERTY OF GARVER, LLC. ANY USE, REPRODUCTION, OR DISTRIBUTION OF THIS DOCUMENT, ALONG WITH THE IDEAS AND DESIGN CONTAINED HEREIN, IS PROHIBITED UNLESS AUTHORIZED IN WRITING BY GARVER, LLC OR EXPLICITLY ALLOWED IN THE GOVERNING PROFESSIONAL SERVICES AGREEMENT FOR THIS WORK.

REGISTRATION NO. F-5713



Digitally Signed 09/11/2026

REV	DATE	DESCRIPTION	BY	MDK
1	09/11/26	ADDENDUM NO.3		



CITY OF LIBERTY HILL
LIBERTY HILL, TX

LIBERTY HILL NORTH FORK WWTP

WAS PUMP VFD CONTROL SCHEMATIC (TYP. OF 2)

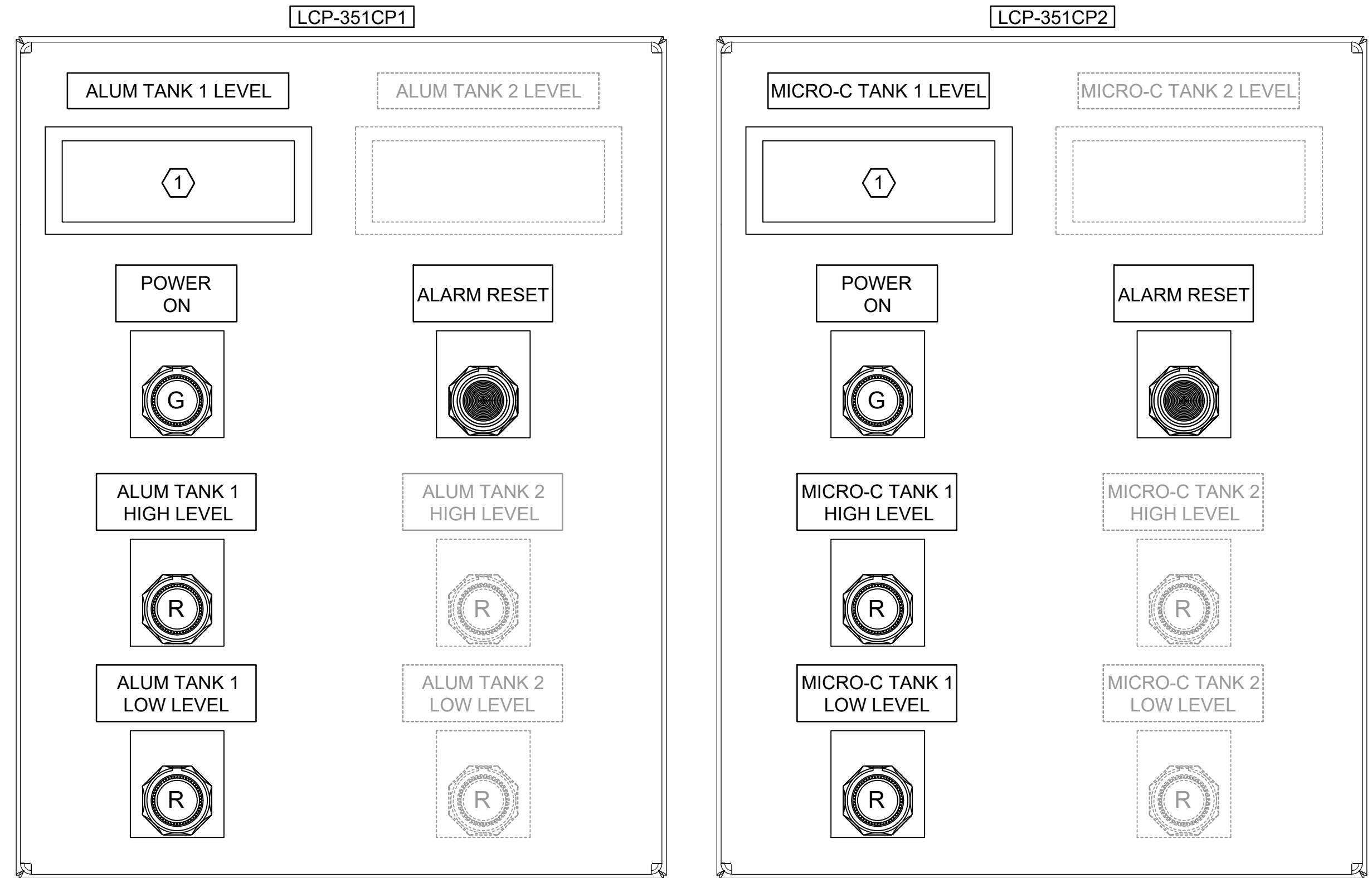
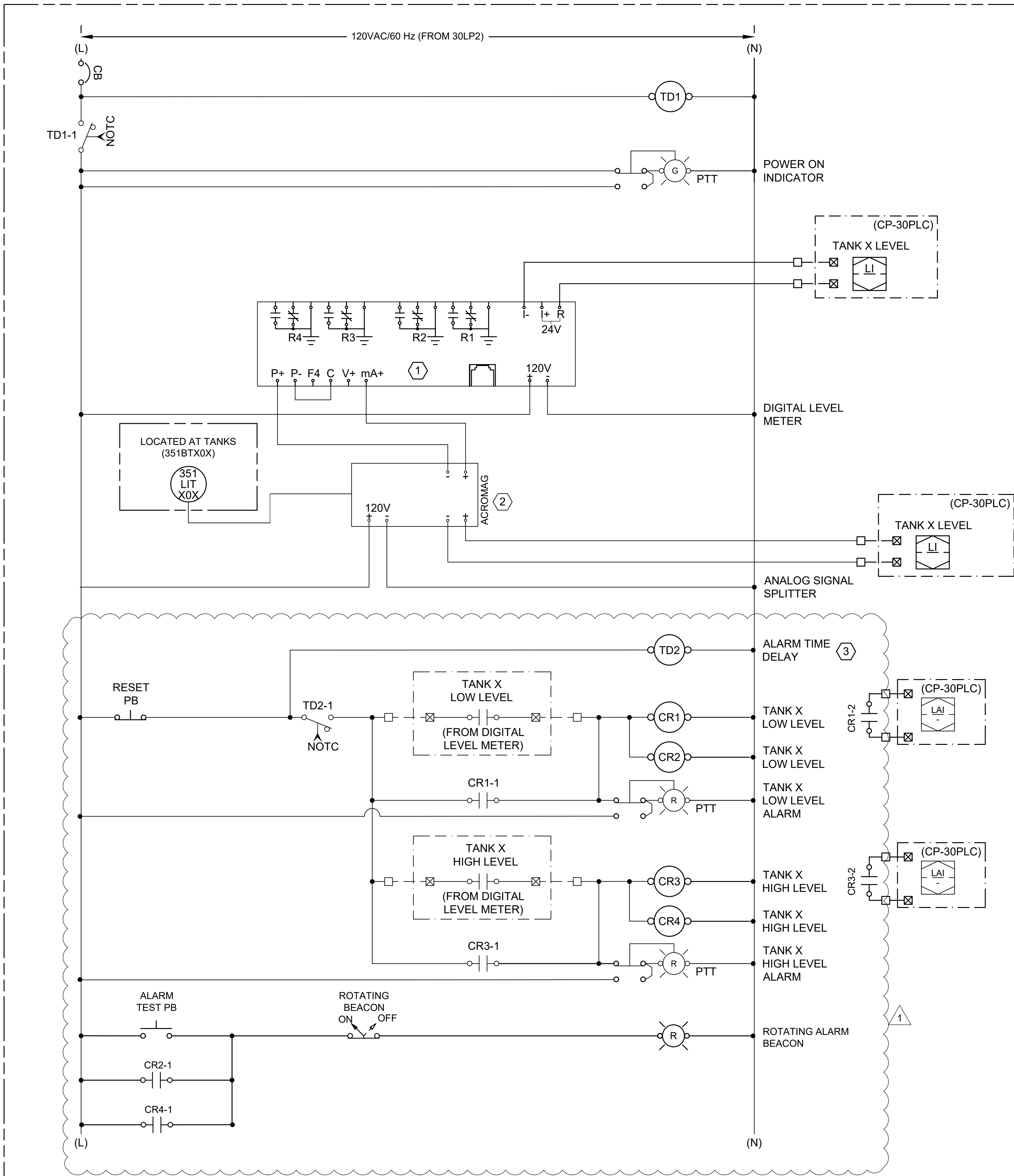
JOB NO.: W07-2401219
DATE: SEPT. 2026
DESIGNED BY: MDK
DRAWN BY: FDA
CHECKED BY: BSC

BAR IS ONE INCH ON ORIGINAL DRAWING
0 1"
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

DRAWING NUMBER
30-E709

SHEET NUMBER
340

File: C:\Users\FDAndaya\Documents\Garver\Projects\North Fork WWTP Design\Project Files\Garver\Civil\HNF-30-E713-S.dwg Last Save: 9/4/2026 4:27 PM Last saved by: FDAndaya
Last plotted by: Andaya, Ferdinand D. (Damian) Plot Style: AECmonochrome.ctb Plot Date: 9/4/2026 4:27 PM Plotter used: None



GENERAL NOTES:

- THIS SCHEMATIC IS GENERIC IN NATURE AND IS NOT INTENDED TO BE A COMPLETE SCHEMATIC SHOWING ALL CONNECTIONS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING A DETAILED SCHEMATIC OF THE PANEL AND ALL CONNECTED EQUIPMENT.
- MAKE ALL FINAL CONNECTIONS PER MANUFACTURER'S INSTRUCTIONS.
- ALL POWER CONNECTIONS TO EXTERNAL DEVICES SHALL BE THROUGH THE USE OF CIRCUIT BREAKERS OR FUSED TERMINAL BLOCKS.
- PROVIDE NUMBER OF RELAYS AS REQUIRED FOR NUMBER OF REQUIRED CONTACTS.
- FURNISH AND INSTALL TERMINAL BLOCKS, RELAYS, AND OTHER ITEMS AS NECESSARY FOR A COMPLETE AND FUNCTIONAL SYSTEM.

KEY NOTES:

- FURNISH AND INSTALL PD6000 PROVU DIGITAL PROCESS METER. CONTRACTOR SHALL PROVIDE MOVABLE RUBBER OR PLASTIC SHIELD ON FACE OF METER DISPLAYS TO PROTECT FROM SUN.
- ANALOG SPLITTER ACROMAG 653T SERIES SHALL BE POWERED FROM LCP-60XBT1 120VAC POWER SUPPLY. CONTRACTOR SHALL MAKE ALL REQUIRED CONNECTIONS BASED ON MANUFACTURER RECOMMENDATIONS.
- ALLEN-BRADLEY PANEL MOUNT 700-HRF REPEAT CYCLE TIMER WITH ADJUSTABLE ON AND ADJUSTABLE OFF TIMES OR EQUAL.

1
30-E713

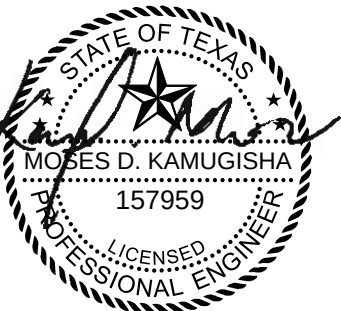
LCP-351CPX CONTROL SCHEMATIC (TYP. OF 2)

SCALE: NONE



© 2026 GARVER, LLC
THIS DOCUMENT, ALONG WITH THE IDEAS AND DESIGNS CONVEYED HEREIN, SHALL BE CONSIDERED INSTRUMENTS OF PROFESSIONAL SERVICE AND ARE PROPERTY OF GARVER, LLC. ANY USE, REPRODUCTION, OR DISTRIBUTION OF THIS DOCUMENT, ALONG WITH THE IDEAS AND DESIGN CONTAINED HEREIN, IS PROHIBITED UNLESS AUTHORIZED IN WRITING BY GARVER, LLC OR EXPLICITLY ALLOWED IN THE GOVERNING PROFESSIONAL SERVICES AGREEMENT FOR THIS WORK.

REGISTRATION NO.
F-5713



Digitally Signed 09/11/2026

BY	MDK			
DESCRIPTION	ADDENDUM NO.3			
DATE	09/11/26			
REV	1			

CITY OF LIBERTY HILL LIBERTY HILL, TX	LIBERTY HILL NORTH FORK WWTP
--	------------------------------

LCP-351CPX
CONTROL
SCHEMATIC (TYP. OF
2)

JOB NO.: W07-2401219
DATE: SEPT. 2026
DESIGNED BY: MDK
DRAWN BY: FDA
CHECKED BY: BSC

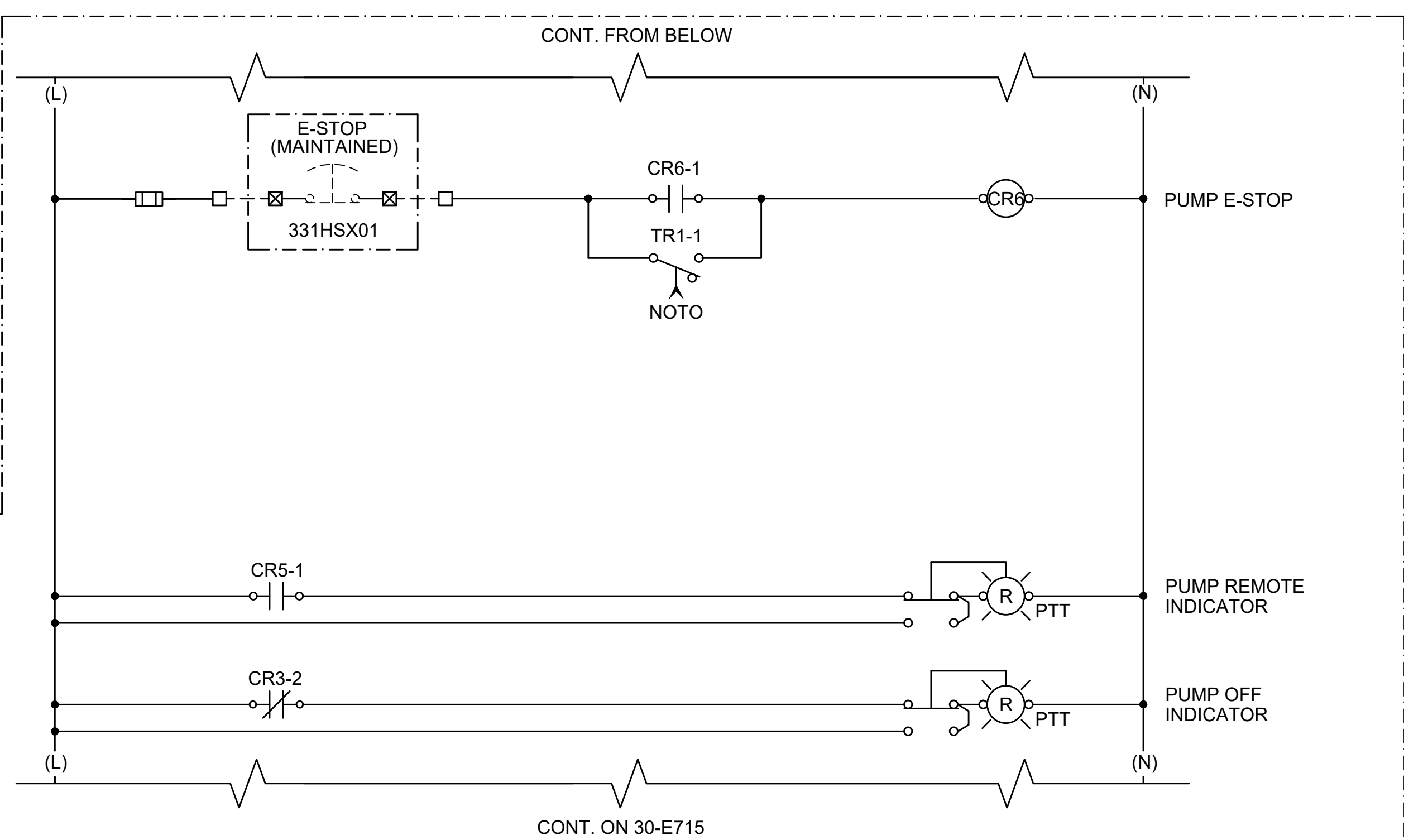
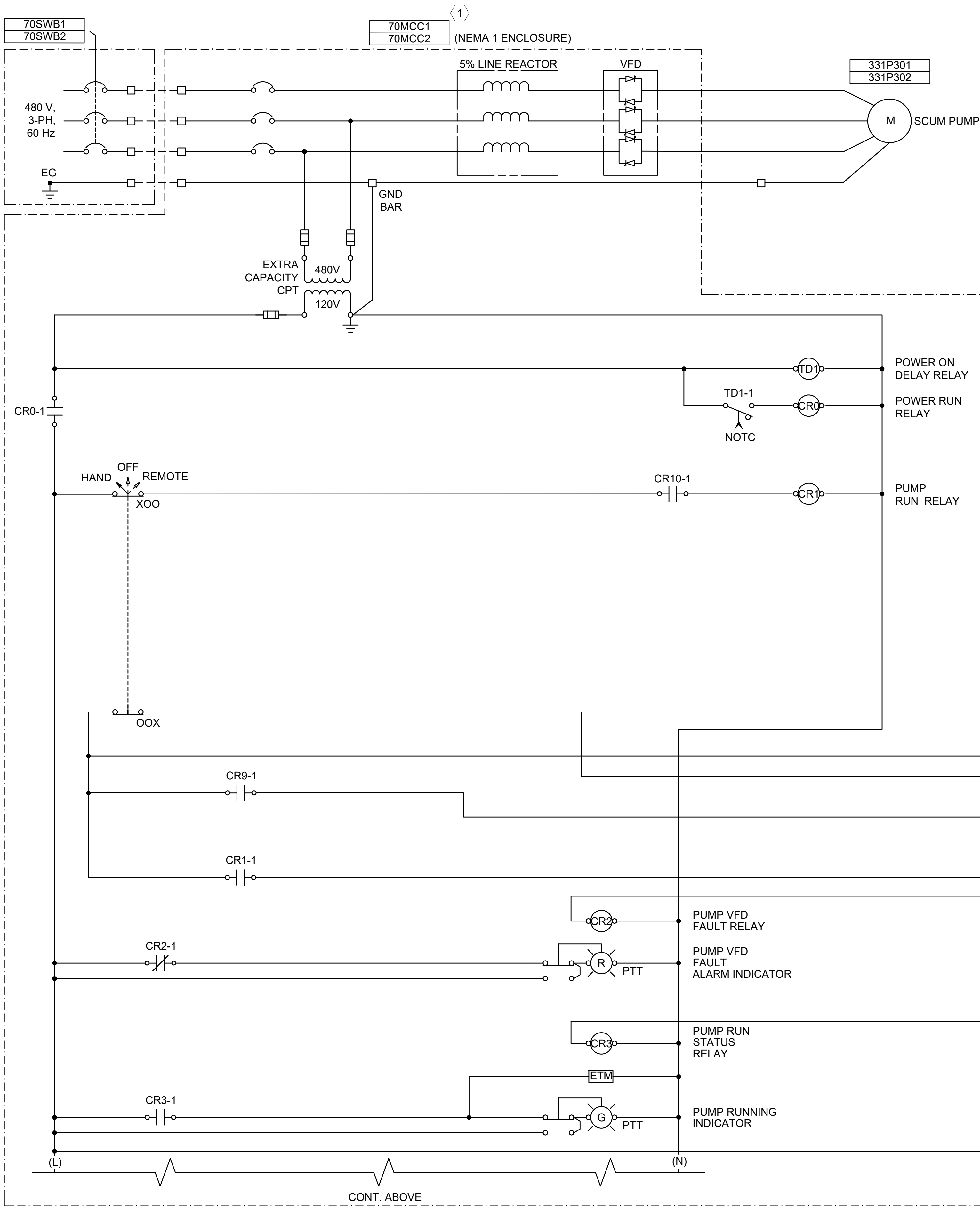
BAR IS ONE INCH ON
ORIGINAL DRAWING
0 1"

IF NOT ONE INCH ON THIS SHEET,
ADJUST SCALES ACCORDINGLY

DRAWING NUMBER

30-E713

SHEET
NUMBER **344**

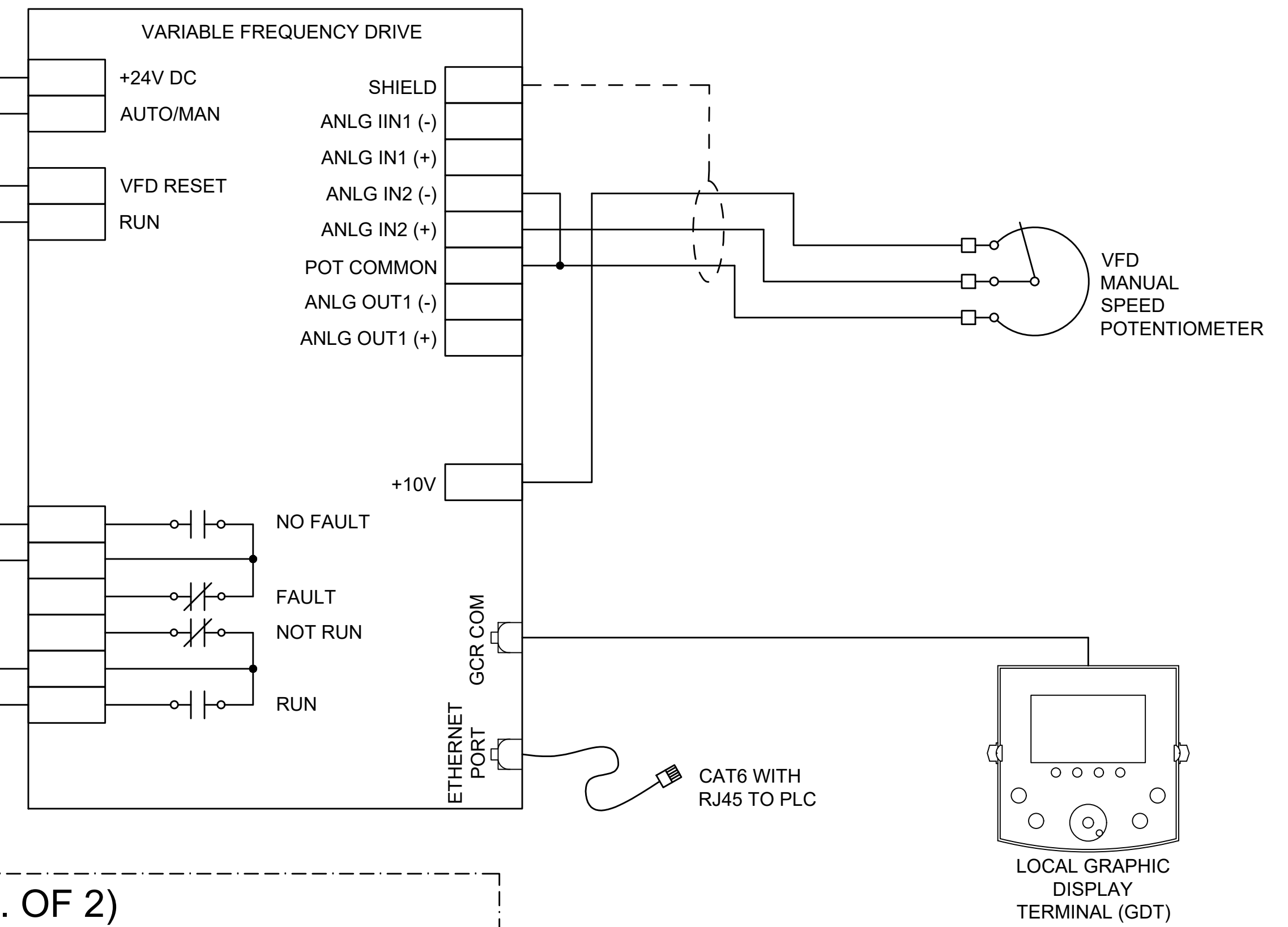


GENERAL NOTES:

1. THIS SCHEMATIC IS GENERIC IN NATURE AND IS NOT INTENDED TO BE A COMPLETE SCHEMATIC SHOWING ALL CONNECTIONS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING A DETAILED SCHEMATIC OF THE VFD AND ALL CONNECTED EQUIPMENT.
2. MAKE ALL FINAL CONNECTIONS PER MANUFACTURER'S INSTRUCTIONS.
3. ALL POWER CONNECTIONS TO EXTERNAL DEVICES SHALL BE THROUGH THE USE OF CIRCUIT BREAKERS OR FUSED TERMINAL BLOCKS.
4. PROVIDE NUMBER OF RELAYS AS REQUIRED FOR NUMBER OF REQUIRED CONTACTS.

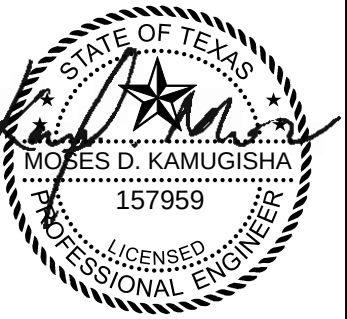
KEY NOTES:

- 1 70MCC1 IS FED FROM 70SWB1. 70MCC2 IS FED FROM 70SWB2.
- 2 I/O TYPICAL FOR EACH PUMP.



© 2026 GARVER, LLC
THIS DOCUMENT, ALONG WITH THE
IDEAS AND DESIGNS CONVEYED
HEREIN, SHALL BE CONSIDERED
INSTRUMENTS OF PROFESSIONAL
SERVICE AND ARE PROPERTY OF
GARVER, LLC. ANY USE,
REPRODUCTION, OR DISTRIBUTION
OF THIS DOCUMENT, ALONG WITH
THE IDEAS AND DESIGN CONTAINED
HEREIN, IS PROHIBITED UNLESS
AUTHORIZED IN WRITING BY
GARVER, LLC OR EXPLICITLY
ALLOWED IN THE GOVERNING
PROFESSIONAL SERVICES
AGREEMENT FOR THIS WORK.

REGISTRATION NO.
F-5713



Digitally Signed 09/11/2026

BY	MDK			
DESCRIPTION	ADDENDUM NO.3			
DATE	09/11/26			
REV	1			



SCUM PUMP VFD
CONTROL
SCHEMATIC (TYP. OF
2)

JOB NO.: W07-2401219
DATE: SEPT. 2026
DESIGNED BY: MDK
DRAWN BY: FDA
CHECKED BY: BSC

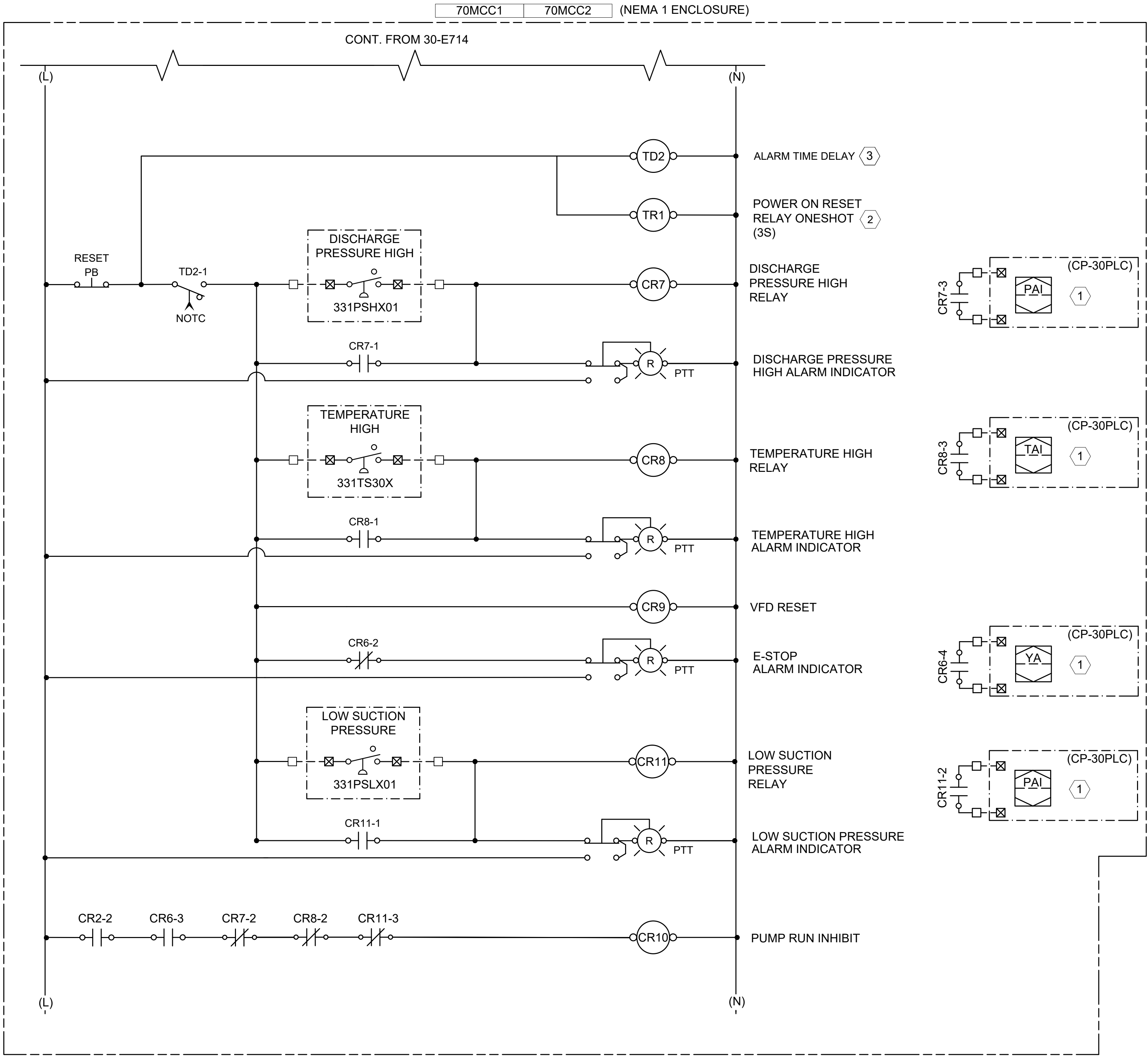
BAR IS ONE INCH ON
ORIGINAL DRAWING
0 1"

IF NOT ONE INCH ON THIS SHEET,
ADJUST SCALES ACCORDINGLY

DRAWING NUMBER
30-E714

SHEET
NUMBER

Files: C:\Users\FDAudaya\Documents\Garver Engineers\W07-2401219 - Liberty Hill North Fork WWTP Design\Project Files\Garver\Civil\HNF-30-E715.dwg, Last Save: 9/4/2026 4:29 PM, Last saved by: FDAudaya, Last plotted by: Andaya, Ferdinand D. (Damian), Plot Style: AEOnorio.ctb, Plot Date: 9/4/2026 4:29 PM, Plotter used: None



GENERAL NOTES:

- THIS SCHEMATIC IS GENERIC IN NATURE AND IS NOT INTENDED TO BE A COMPLETE SCHEMATIC SHOWING ALL CONNECTIONS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING A DETAILED SCHEMATIC OF THE VFD AND ALL CONNECTED EQUIPMENT.
- MAKE ALL FINAL CONNECTIONS PER MANUFACTURER'S INSTRUCTIONS.
- ALL POWER CONNECTIONS TO EXTERNAL DEVICES SHALL BE THROUGH THE USE OF CIRCUIT BREAKERS OR FUSED TERMINAL BLOCKS.
- PROVIDE NUMBER OF RELAYS AS REQUIRED FOR NUMBER OF REQUIRED CONTACTS.

KEY NOTES:

- I/O TYPICAL FOR EACH PUMP.
- SCHNEIDER ELECTRIC CLASS 9050 JCK34V20 ONE SHOT TIMING RELAY WITH BASE OR EQUAL. CIRCUIT FOR AUTOMATICALLY RESETTING FAIL-SAFE CIRCUITS AFTER POWER OUTAGE. CONTACT TR3-1 WILL CLOSE FOR (3) SECONDS WHEN INPUT VOLTAGE IS APPLIED, THEN OPEN AND STAY OPEN ONCE TIMING CYCLE IS COMPLETE.
- ALLEN-BRADLEY PANEL MOUNT 700-HRF REPEAT CYCLE TIMER WITH ADJUSTABLE ON AND ADJUSTABLE OFF TIMES OR EQUAL.

1
30-E715

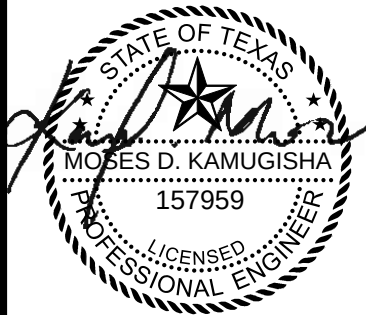
SCUM PUMP VFD CONTROL SCHEMATIC CONT. (TYP. OF 2)

SCALE: NONE



© 2026 GARVER, LLC
THIS DOCUMENT, ALONG WITH THE
IDEAS AND DESIGNS CONVEYED
HEREIN, SHALL BE CONSIDERED
INSTRUMENTS OF PROFESSIONAL
SERVICE AND ARE PROPERTY OF
GARVER, LLC. ANY USE,
REPRODUCTION, OR DISTRIBUTION
OF THIS DOCUMENT, ALONG WITH
THE IDEAS AND DESIGN CONTAINED
HEREIN, IS PROHIBITED UNLESS
AUTHORIZED IN WRITING BY
GARVER, LLC OR EXPLICITLY
ALLOWED IN THE GOVERNING
PROFESSIONAL SERVICES
AGREEMENT FOR THIS WORK.

REGISTRATION NO.
F-5713



Digitally Signed 09/11/2026

BY	MDK			
DESCRIPTION	ADDENDUM NO.3			
DATE	09/11/26			
REV	1			



CITY OF LIBERTY HILL
LIBERTY HILL, TX

LIBERTY HILL NORTH FORK WWTP

SCUM PUMP VFD
CONTROL
SCHEMATIC CONT.
(TYP. OF 2)

JOB NO.: W07-2401219
DATE: SEPT. 2026
DESIGNED BY: MDK
DRAWN BY: FDA
CHECKED BY: BSC

BAR IS ONE INCH ON
ORIGINAL DRAWING
0 1"
IF NOT ONE INCH ON THIS SHEET,
ADJUST SCALES ACCORDINGLY

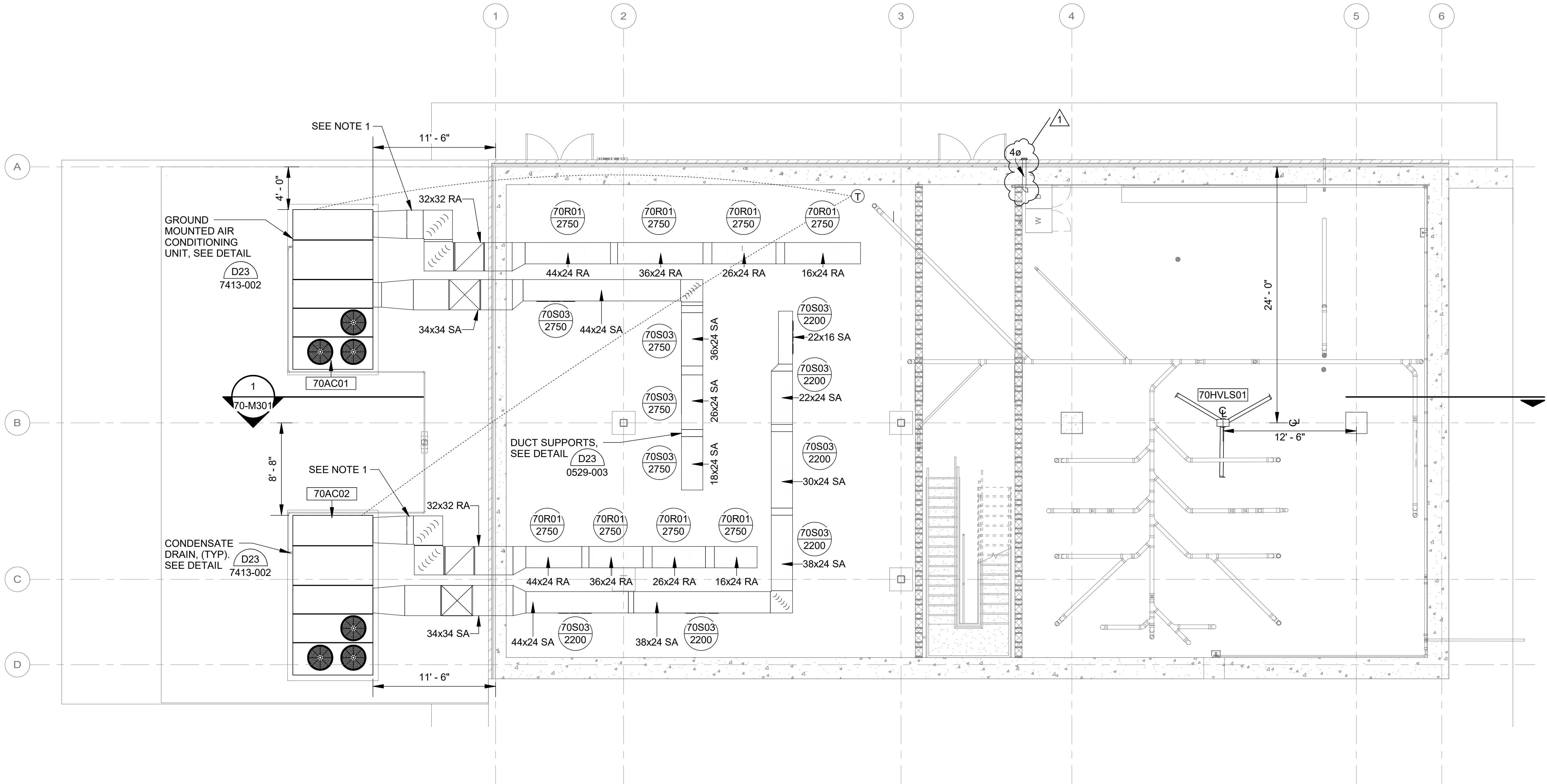
DRAWING NUMBER
30-E715

SHEET
NUMBER

Revit File: Autodeskt Docs\W07-2401219 - Liberty Hill North Fork WWTP Design\W07-2401219_70_ADMINISTRATION BUILDING_BUILDING MECHANICAL.rvt
Plot Date: 9/10/2026 2:16:10 PM

NOTES:

1. CONTRACTOR SHALL INSTALL A RETURN AIR SMOKE DETECTOR.

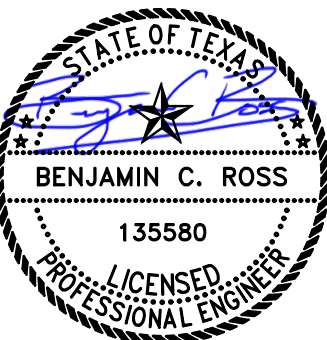


PROJECT NORTH
1
70-M101
ADMINISTRATION BUILDING HVAC LOWER
SCALE: 3/16" = 1'-0"



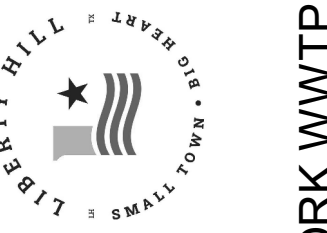
© 2026 GARVER, LLC
THIS DOCUMENT, ALONG WITH THE
IDEAS AND DESIGNS CONVEYED
HEREIN, SHALL BE CONSIDERED
INSTRUMENTS OF PROFESSIONAL
SERVICE AND ARE PROPERTY OF
GARVER, LLC. ANY USE,
REPRODUCTION, OR DISTRIBUTION
OF THIS DOCUMENT, ALONG WITH
THE IDEAS AND DESIGN CONTAINED
HEREIN, IS PROHIBITED UNLESS
AUTHORIZED IN WRITING BY
GARVER, LLC OR EXPLICITLY
ALLOWED IN THE GOVERNING
PROFESSIONAL SERVICES
AGREEMENT FOR THIS WORK.

REGISTRATION NO.
F-5713



Digitally Signed 09/11/2026

REV	DATE	DESCRIPTION	BY
1	09/11/26	Addendum 3	ARC



CITY OF LIBERTY HILL
LIBERTY HILL, TX
LIBERTY HILL NORTH FORK WWTP

ADMINISTRATION
BUILDING HVAC
LOWER PLAN

JOB NO.: W07-2401219
DATE: AUG. 2026
DESIGNED BY: ARC
DRAWN BY: KG
CHECKED BY: BCR

BAR IS ONE INCH ON
ORIGINAL DRAWING 1"
IF NOT ONE INCH ON THIS SHEET,
ADJUST SCALES ACCORDINGLY.

DRAWING NUMBER
70-M101
SHEET
NUMBER **536**