



PURCHASING DEPARTMENT
DIVISION OF BUDGET & FINANCE

PUR-1623
ADDENDUM NO. 6
INVITATION TO BID

SMITHSBURG WwTP UPGRADE and EXPANSION

DATE: Wednesday, September 20, 2023

BIDS DUE: Wednesday, May 30, 2018
2:00 P.M.

To Bidders:

This Addendum is hereby made a part of the Contract Documents on which all bids will be based and is issued to correct and clarify the original documents.

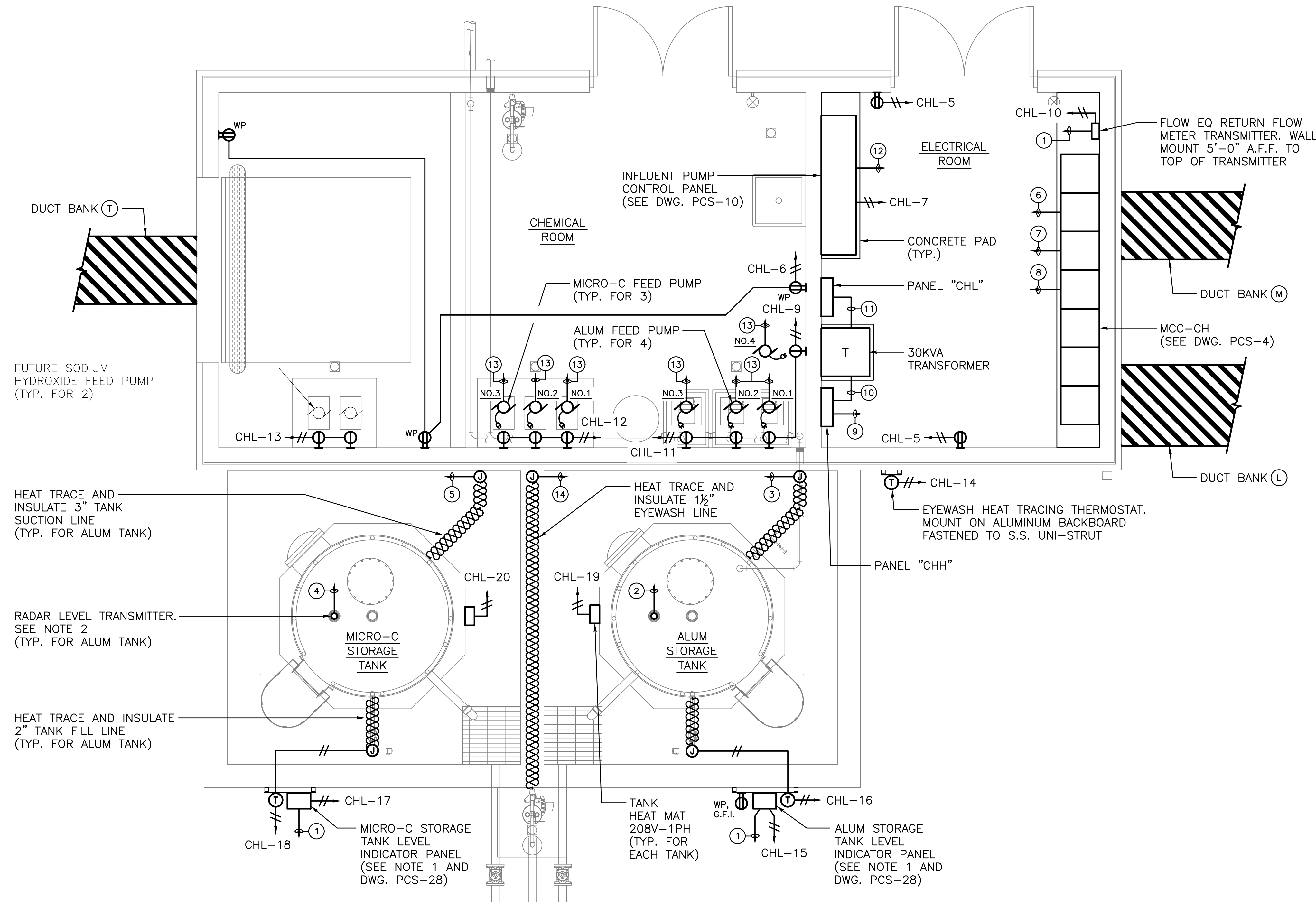
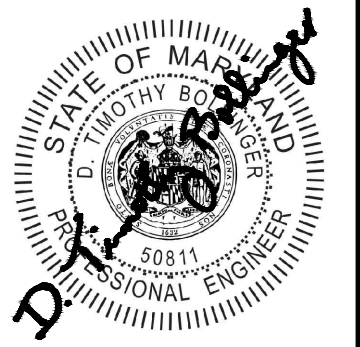
Please acknowledge receipt of this Addendum at the appropriate space on the Proposal Form. This Addendum consists of one (1) page and one (1) attachment.

NOTE: All Bidders must enter the Washington County Administration Complex through either the front door at the 100 West Washington Street entrance or through the rear entrance (w/blue canopy roof) which is handicap accessible and must use the elevator to access the Purchasing Department to submit their proposal and/or to attend the Pre-Proposal Conference. Alternate routes are controlled by a door access system. Washington County Government has announced new security protocols being implemented at the Washington County Administration Complex at 100 West Washington Street, Hagerstown. The new measures took effect Tuesday, February 14, 2017. The general public will be subject to wand search and will be required to remove any unauthorized items from the building prior to entry. Prohibited items include but are not limited to: Weapons of any type; Firearms, ammunition and explosive devices; Cutting instruments of any type - including knives, scissors, box cutters, work tools, knitting needles, or anything with a cutting edge, etc.; Pepper spray, mace or any other chemical defense sprays; and Illegal substances.

ITEM NO. 1: *Correction to Addendum No. 5:* Please see attached the drawings (E-22, E-23, E-26, PCS-13, PCS-14, PCS-15, PCS-16, and PCS-17) that were mentioned Addendum No. 5 that were inadvertently omitted.

By Authority of:

Rick F. Curry, CPPO
Director of Purchasing

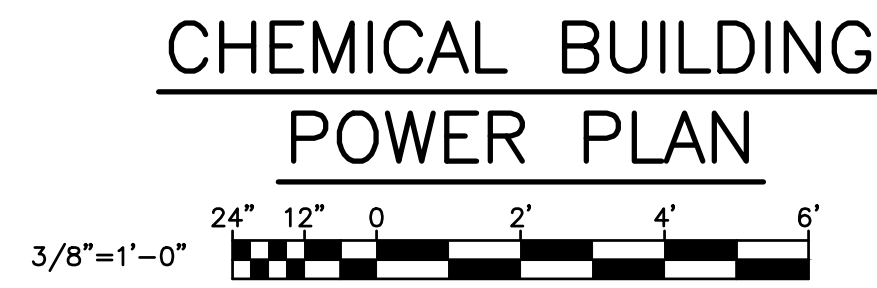


NOTES

1. MOUNT LEVEL INDICATOR PANEL AND HEAT TRACING THERMOSTAT ON AN ALUMINUM BACKBOARD SUPPORTED BY STAINLESS STEEL UNI-STRUT. TOP OF PANEL SHALL BE 4'-6" ABOVE FINISHED GRADE.
2. THE RADAR LEVEL TRANSMITTERS SHALL BE FLANGED MOUNTED ON TOP OF TANK.
3. COORDINATE WIRING FOR THE CHEMICAL FEED PUMPS WITH THE PUMP MANUFACTURER.

WIRING LEGEND

- ① 1 PR. #18 SHLD.-3/4" C TO INFLUENT PUMP CONTROL PANEL
- ② 1 PR. #18 SHLD.-3/4" C TO ALUM STORAGE TANK LEVEL INDICATOR PANEL
- ③ 2#12-3/4" C TO ALUM HEAT TRACING THERMOSTAT
- ④ 1 PR. #18 SHLD.-3/4" C TO MICRO-C STORAGE TANK LEVEL INDICATOR PANEL
- ⑤ 2#12-3/4" C TO MICRO-C HEAT TRACING THERMOSTAT
- ⑥ 8#14-3/4" C (120VAC) TO INFLUENT PUMP CONTROL PANEL
- ⑦ 88#14-3" C (24VDC) TO INFLUENT PUMP CONTROL PANEL
- ⑧ (8) 1 PR. #18 SHLD.-2" C TO INFLUENT PUMP CONTROL PANEL
- ⑨ 4#3, #8 GRD.-1 1/4" C TO MCC-CH
- ⑩ 3#8, #10 GRD.-1" C
- ⑪ 4#3, #8 GRD.-1 1/4" C
- ⑫ 6-STRAND FIBER OPTIC CABLE TO OPERATIONS BUILDING PLC PANEL. RUN IN DUCT BANK CONDUIT NO. 221
- ⑬ 10#14 AND (2) 1 PR. #18 SHLD.-1 1/4" C TO INFLUENT PUMP CONTROL PANEL
- ⑭ 2#12-3/4" C TO EYEWASH HEAT TRACING THERMOSTAT



SMITHSBURG WWTp ENR UPGRADE AND EXPANSION
 22323 LETTERSBURG SMITHSBURG ROAD
 SMITHSBURG, MARYLAND 21783
 WASHINGTON COUNTY, MARYLAND DEPARTMENT OF WATER QUALITY
 16322 ELLOTT PARKWAY
 WILLIAMSPORT, MARYLAND 21785

REVISIONS	MARK	ISSUED DATE	DESCRIPTION
	SMJ	9/11/2023	REISSUED IN ADDENDUM NO. 5

PROJECT NO: 76436-03
 ISSUED DATE: 08/2021
 DRAWN BY: SMJ
 CHECKED BY: DTB
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SHEET TITLE:
CHEMICAL BUILDING POWER PLAN

PROJECT STATUS: **100% SUBMITTAL**

SHEET NO.: **E-22**

I:\40_RK_COM\ESG\CLOUD\PROJECTS\2007\0712_WENRIDA_TAFROM\CRK\0712_Smithsburg_EXPANSION_REDESIGN\DRAWINGS\ELECTRICAL\11/2023/01_PlanSheetmain.dwg



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PANELBOARD "CHH" SCHEDULE												
VOLTAGE: 277/480V-3PH-4W						PANEL TYPE: SURFACE MOUNTED, BREAKER						
MAIN BUS BARS AND LUGS: 125A						MIN. A.I.C. RATING: 30,000						
MAIN BREAKER: NONE						LOCATION: CHEMICAL BUILDING ELECTRICAL ROOM						
NOTES	HP	WATTS	LOCATION	POLE	AMP/TRIP	AMP/TRIP	POLE	LOCATION	WATTS	HP	NOTES	
UNIT HEATER UH-101		15,000	CHEM. ROOM	3	30	1	2		15,000		UNIT HEATER UH-102	
						3	3	CHEM. ROOM				
						7	8					
SPARE				3	20			CHEM. ROOM	9000		HOT WATER HEATER DWH-1	
						13	14					
PANEL "CHL" XFMR		30,000	ELEC. ROOM	3	50						SPARE	
						19	20					
SPARE				3	20						SPARE	
						25	26					
SPARE				3	20						SPARE	
						31	32				SPACE	
						37	38				SPACE	

PANELBOARD "CHL" SCHEDULE												
VOLTAGE: 120/208V-3PH-4W						PANEL TYPE: SURFACE MOUNTED, BREAKER						
MAIN BUS BARS AND LUGS: 100A						MIN. A.I.C. RATING: 18,000						
MAIN BREAKER: 100A-3P						LOCATION: CHEMICAL BUILDING ELECTRICAL ROOM						
NOTES	HP	WATTS	LOCATION	POLE	AMP/TRIP	AMP/TRIP	POLE	LOCATION	WATTS	HP	NOTES	
LIGHTS		300	ELEC. ROOM	1	20	1	2		300		LIGHTS	
EXTERIOR LIGHTS		208	OUTSIDE	1	20	3	4				SPARE	
RECEPTACLES		400	ELEC. ROOM	1	20	5	6		600		RECEPTACLES	
INFLUENT PUMP CONTROL PANEL		1500	ELEC. ROOM	1	20	7	8				SPARE	
ALUM FEED PUMPS NO. 1 AND NO. 4 RECEPTACLES		400	CHEM. ROOM	1	20	9	10		200		FLOW EQ RETURN FLOW METER TRANSMITTER	
ALUM FEED PUMPS NO. 2 AND NO. 3 RECEPTACLES		400	CHEM. ROOM	1	20	11	12		600		MICRO-C FEED PUMP RECEPTACLES	
SODIUM HYDROXIDE FEED PUMP RECEPTS. (FUTURE)		400	CHEM. ROOM	1	20	13	14		500		EYEWASH HEAT TRACING THERMOSTAT	
ALUM STORAGE TANK LEVEL INDICATOR PANEL		500	OUTSIDE	1	20	15	16		700		ALUM TANK HEAT TRACING T-STAT AND RECEPT.	
MICRO-C STORAGE TANK LEVEL INDICATOR PANEL		500	OUTSIDE	1	20	17	18		500		MICRO-C TANK HEAT TRACING T-STAT	
ALUM STORAGE TANK HEAT MAT		1500	OUTSIDE	2	20	19	20		1500		MICRO-C STORAGE TANK HEAT MAT	
						23	24			25 FLA	SPLIT SYSTEM CONDENSING UNIT CU-101	
EXHAUST FAN EF-101	1/4		CHEM. ROOM	1	20							
PRE-ANOXIC TANK RECEPTACLE		200	PRE-ANOXIC	1	20	25						
EQ TANK MIXER NO. 1 BACKBOARD RECEPTACLE		200	EQ TANK	1	20	27	28		200		EQ TANK MIXER NO. 2 BACKBOARD RECEPTACLE	
EQ FLOW CONTROL VAULT LIGHT AND RECEPTACLES		300	CONTROL VAULT	1	20	29	30			1/4	SUMP PUMP	
UTILITY WATER FLOW METER TRANSMITTER		200	UW VALVE VAULT	1	20	31	32		200		UTILITY WATER PUMP STATION RECEPTACLE	
SPARE				1	20	33	34				SPARE	
SPARE				1	20	35	36				SPARE	
SPARE				1	20	37	38				SPARE	
SPARE				1	20	39	40				SPARE	
SPARE				1	20	41	42				SPARE	

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SMITHSBURG WWTP ENR UPGRADE AND EXPANSION

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SMITHSBURG, MARYLAND 21783

WASHINGTON COUNTY, MARYLAND DEPARTMENT OF WATER QUALITY

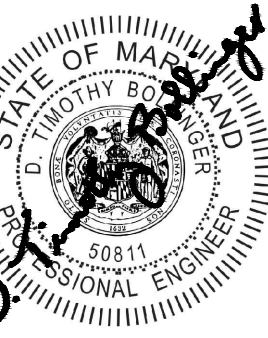
6022 ELLOTT PARKWAY
WILLIAMSPORT, MARYLAND 21785

REVISIONS	MARK	ISSUED DATE	DESCRIPTION
	SMJ	9/11/2023	REISSUED IN ADDENDUM NO. 5

PROJECT NO:	76436-03
ISSUED DATE:	08/20/21
DRAWN BY:	SMJ
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SHEET TITLE:
CHEMICAL BUILDING PANELBOARD SCHEDULES



REVISIONS	MARK	ISSUED DATE	DESCRIPTION
	SMJ	9/11/2023	REISSUED IN ADDENDUM NO. 5

PROJECT NO:	76436-03
ISSUED DATE:	08/2021
DRAWN BY:	SMJ
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SHEET TITLE:
OPERATIONS BUILDING ELECTRICAL PLAN

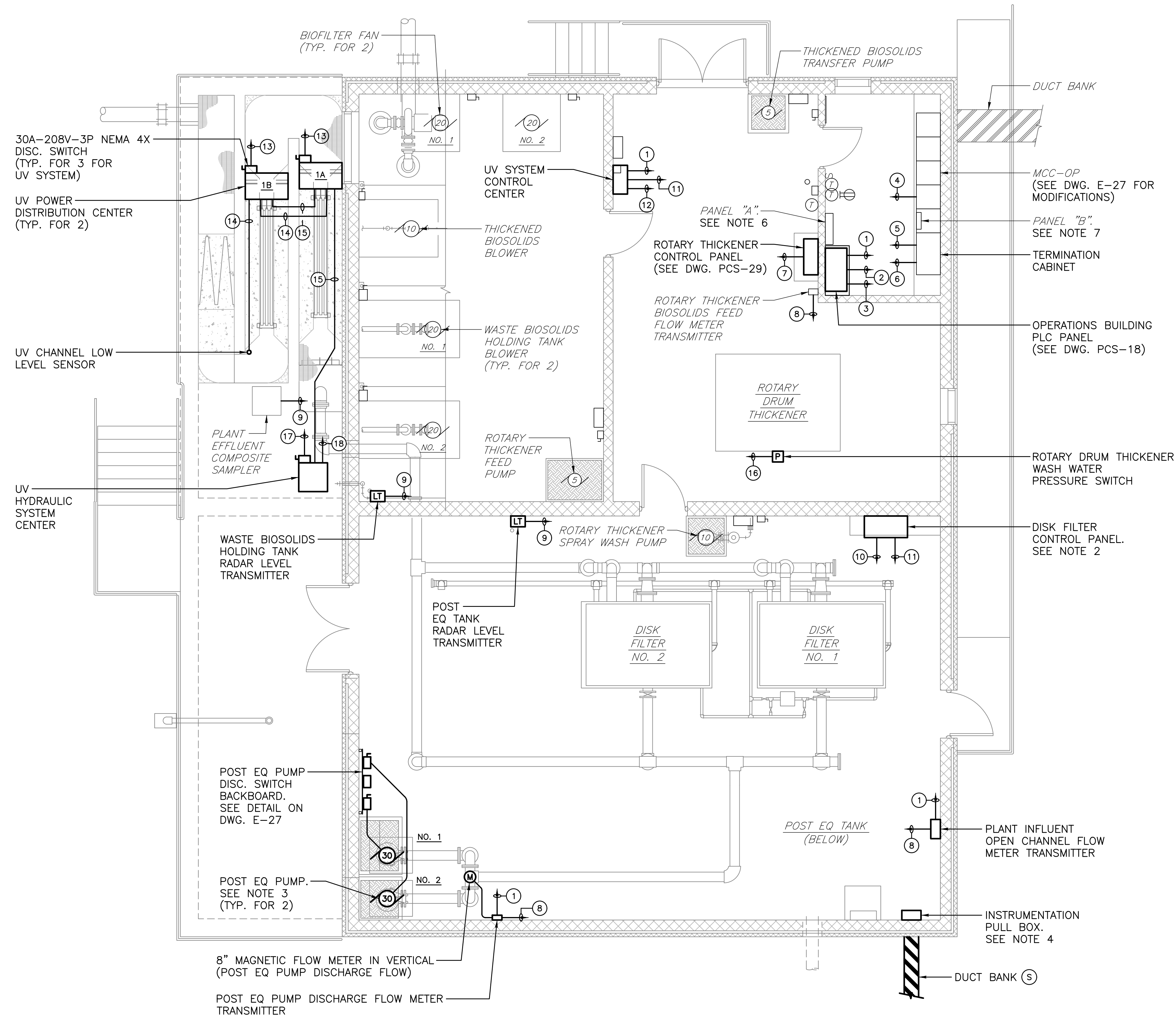
SHEET NO:
E-26

NOTES

- ALL CONDUIT IN THE OPERATIONS BUILDING SHALL BE RIGID ALUMINUM.
- THE DISK FILTER CONTROL PANEL SHALL BE FURNISHED BY THE DISK FILTER MANUFACTURER TO REPLACE THE EXISTING CONTROL PANEL. RECONNECT EXISTING POWER AND CONTROL WIRING TO NEW CONTROL PANEL.
- CORE DRILL THE FLOOR SLAB BELOW EACH DISCONNECT SWITCH FOR THE INSTALLATION OF THE PUMP CABLE.
- THE INSTRUMENTATION PULL BOX SHALL BE NEMA 4X ALUMINUM. SIZE: 16"W x 10"H x 8"D.
- COORDINATE WIRING FOR UV SYSTEM WITH UV SYSTEM MANUFACTURER.
- INSTALL A 50A-3P CIRCUIT BREAKER IN EXISTING PANEL "A" FOR THE FEEDER TO THE TEMPORARY UV SYSTEM.
- INSTALL A 30A-3P CIRCUIT BREAKER IN EXISTING PANEL "B" FOR THE UV HYDRAULIC SYSTEM CENTER.

WIRING LEGEND

- 2#12-3/4"C TO SPARE 20A-1P CIRCUIT BREAKER IN EXISTING PANEL "B"
- 6-STRAND FIBER OPTIC CABLE TO INFLUENT PUMP CONTROL PANEL IN CHEMICAL BUILDING. RUN IN 1/4"C TO INSTRUMENTATION PULL BOX AND IN DUCT BANK CONDUIT NO. 221
- SPARE 1/4"C TO INSTRUMENTATION PULL BOX
- 24#14 AND (4) 1 PR. #18 SHLD.-2"C (24VDC) TO OPERATIONS BUILDING PLC PANEL
- 60#14 AND (6) 1 PR. #18 SHLD.-3"C (24VDC) TO OPERATIONS BUILDING PLC PANEL
- 22#14-1 1/2"C (120VAC) TO OPERATIONS BUILDING PLC PANEL
- 40#14-2"C (24VDC) TO OPERATIONS BUILDING PLC PANEL
- 1 PR. #18 SHLD.-3/4"C TO OPERATIONS BUILDING PLC PANEL
- 1 PR. #18 SHLD.-3/4"C TO OPERATIONS BUILDING PLC PANEL. REUSE EXISTING CONDUIT TO EXTENT POSSIBLE
- 12#14-1 1/4"C TO OPERATIONS BUILDING PLC PANEL
- ETHERNET CABLE-3/4"C TO OPERATIONS BUILDING PLC PANEL
- 12#14 AND 1 PR. #18 SHLD.-1 1/2"C TO OPERATIONS BUILDING PLC PANEL
- 3#10, #10 GRD.-3/4"C TO SPARE 30A-3P CIRCUIT BREAKER IN EXISTING PANEL "B"
- 2#14-3/4"C
- 1 PR. #18 SHLD. AND #14 GRD.-3/4"C
- 2#14-3/4"C TO ROTARY THICKENER CONTROL PANEL
- 3#10, #10 GRD.-3/4"C TO NEW 30A-3P CIRCUIT BREAKER IN EXISTING PANEL "B"
- 1 PR. #18 SHLD. AND #14 GRD.-3/4"C TO UV SYSTEM CONTROL CENTER



OPERATIONS BUILDING ELECTRICAL PLAN

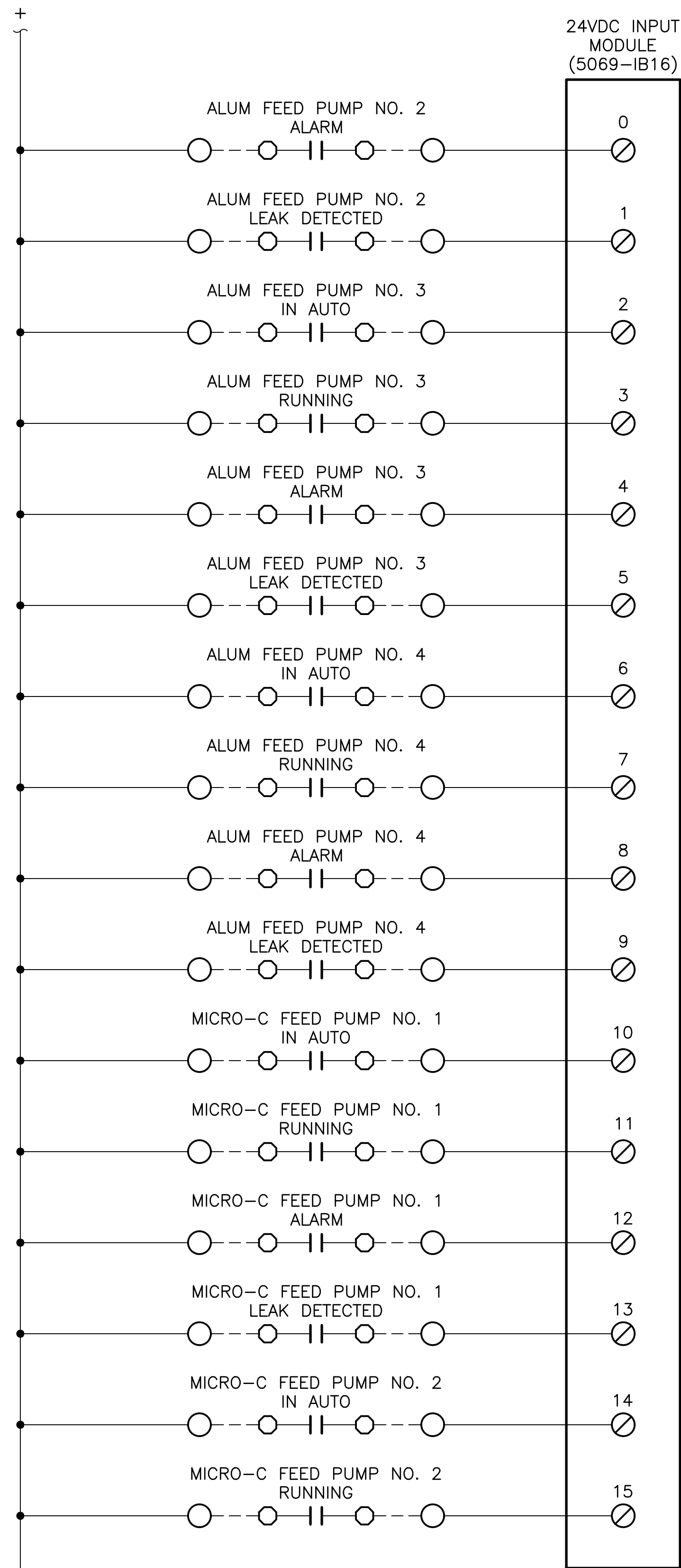
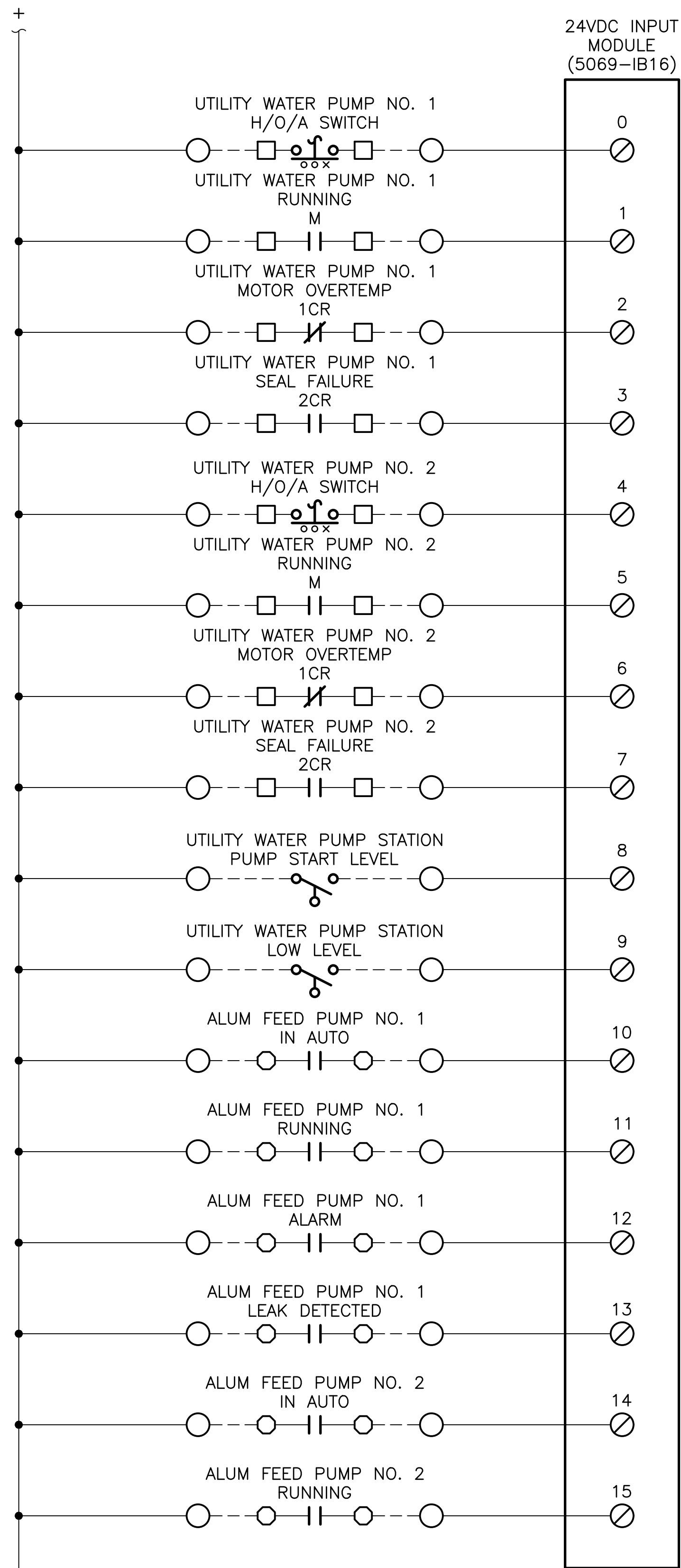
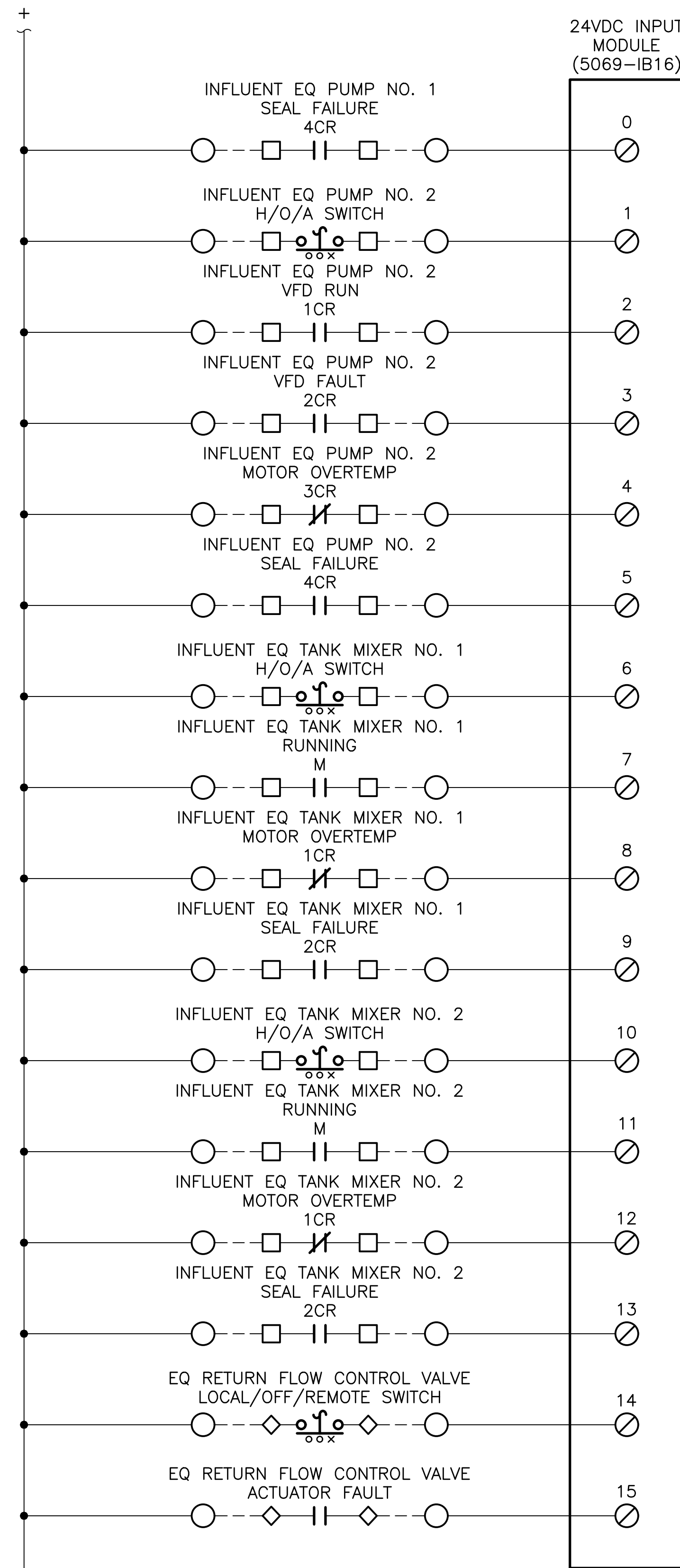
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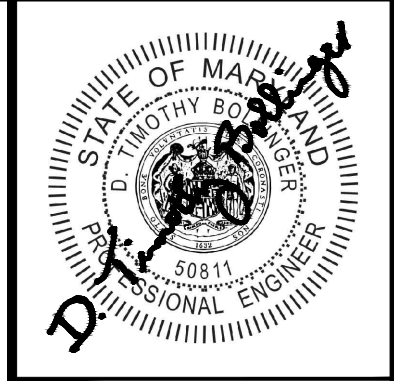
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PROJECT STATUS: **100% SUBMITTAL**

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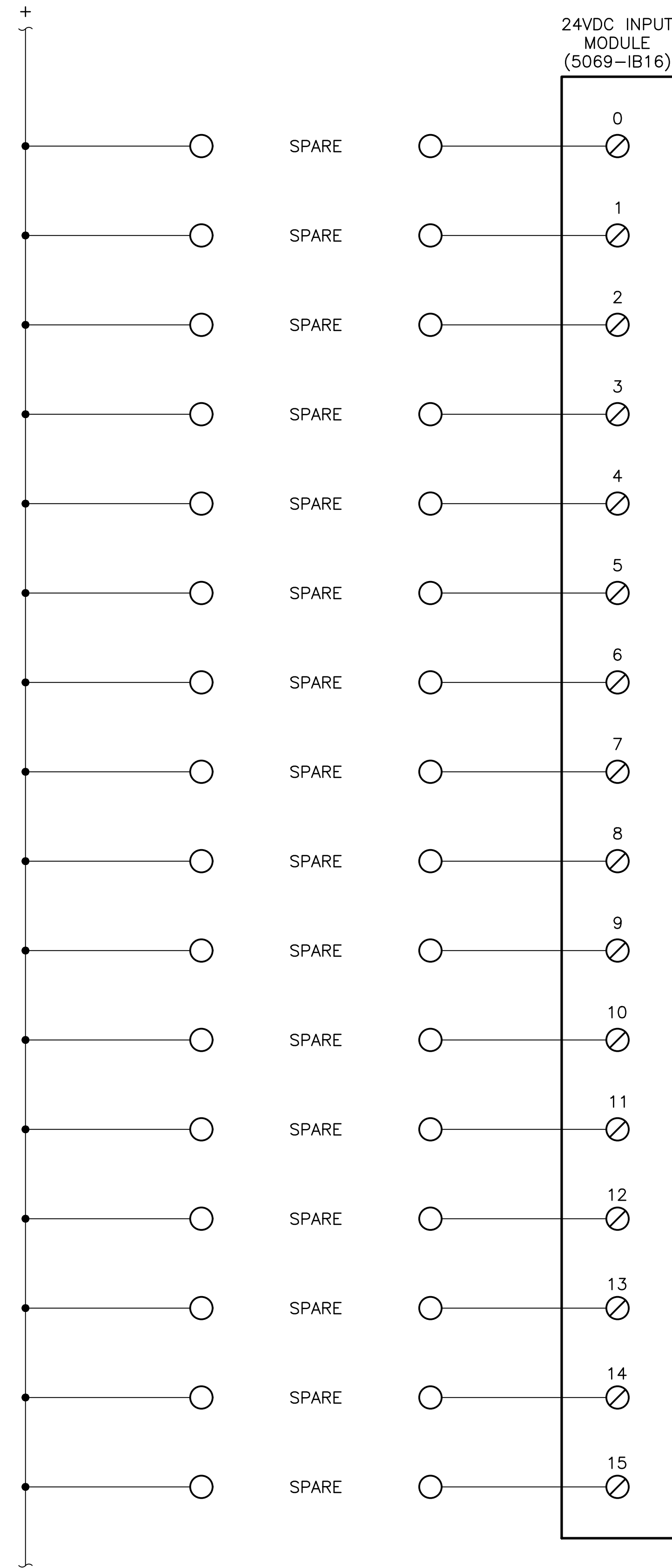
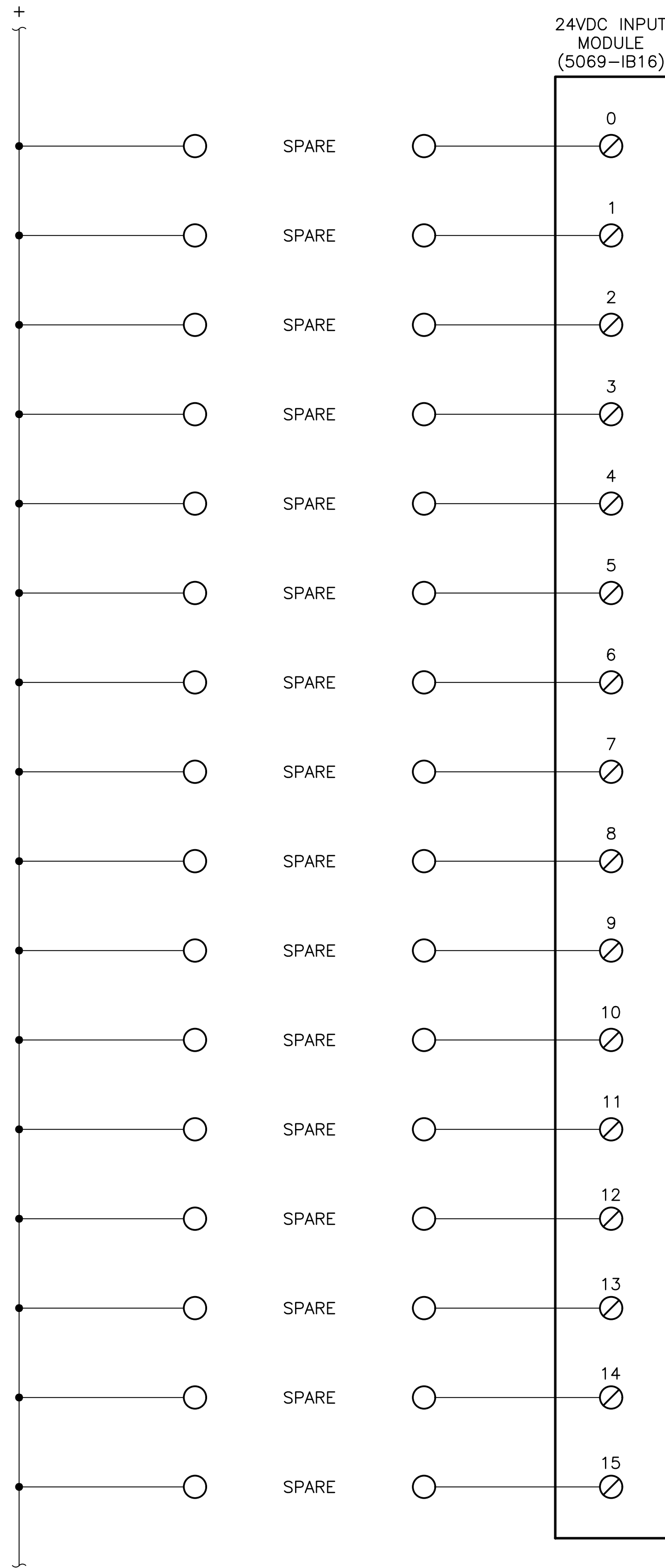
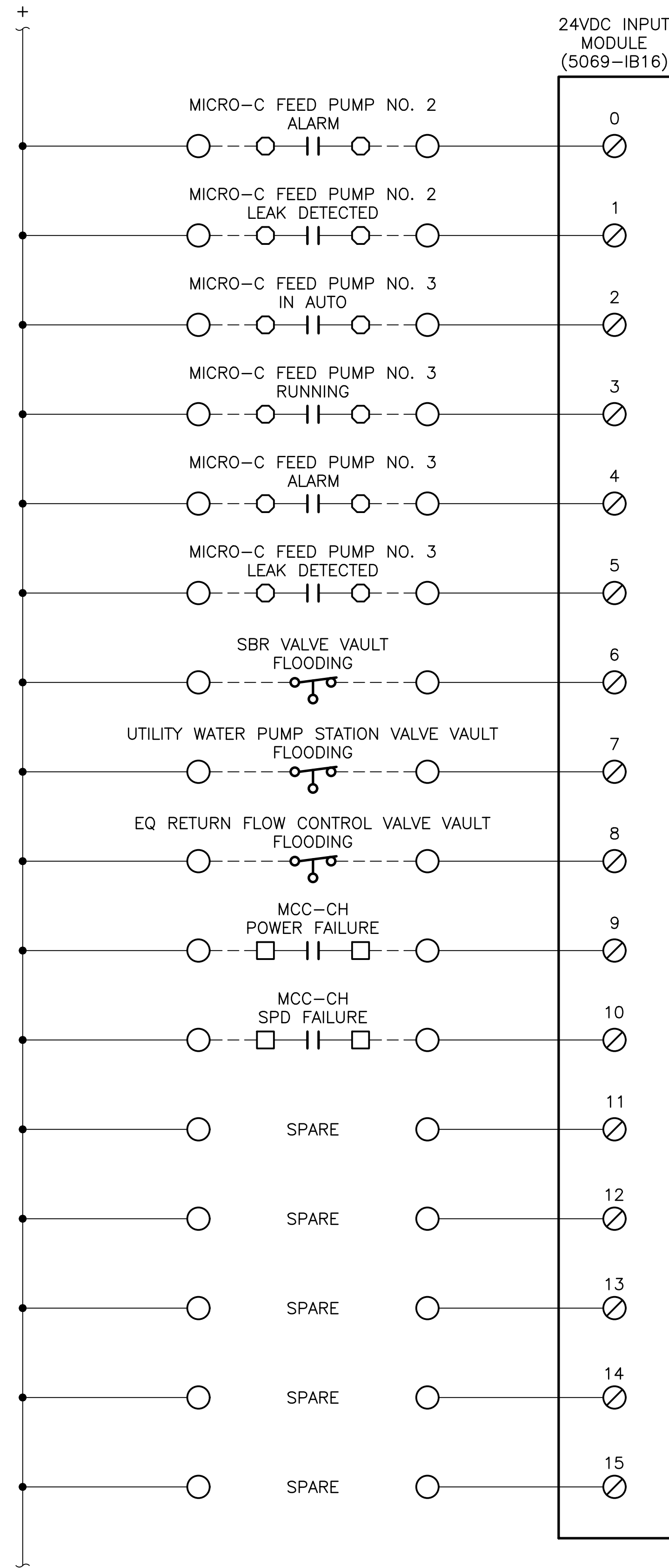
WASHINGTON COUNTY, MARYLAND DEPARTMENT OF WATER QUALITY
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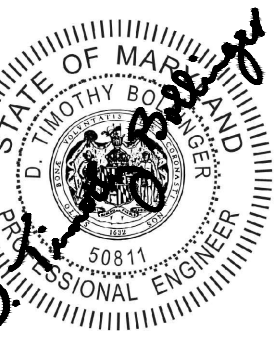
PROJECT NO:	76436-03
ISSUED DATE:	08/2021
DRAWN BY:	SMJ
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INFLUENT PUMP CONTROL PANEL WIRING DIAGRAM

\\AP-RK-CONS\G\PROJECTS\200707012_WASHINGTON_TAF\FROM\CKR\07012_SMITHBURG_EXPANSION_REDESIGN\WATER\PCS-14\DWG\PCS-14_08112023_138_PWS\Shannon_Jimison



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REVISIONS	
MARK	DESCRIPTION
SMJ	ISSUED DATE: 9/11/2023 REISSUED IN ADDENDUM NO. 5

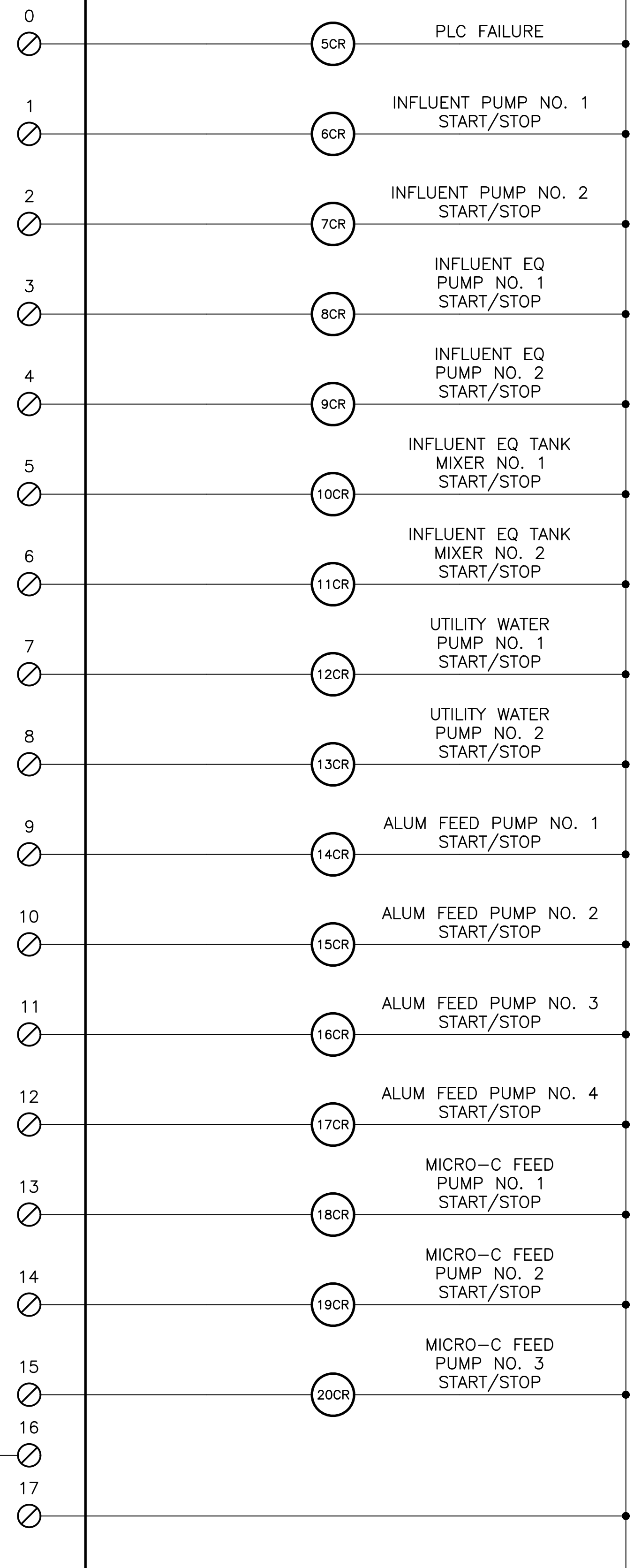
PROJECT NO: 76436-03
 ISSUED DATE: 08/2021
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SHEET TITLE:
INFLUENT PUMP CONTROL PANEL WIRING DIAGRAM

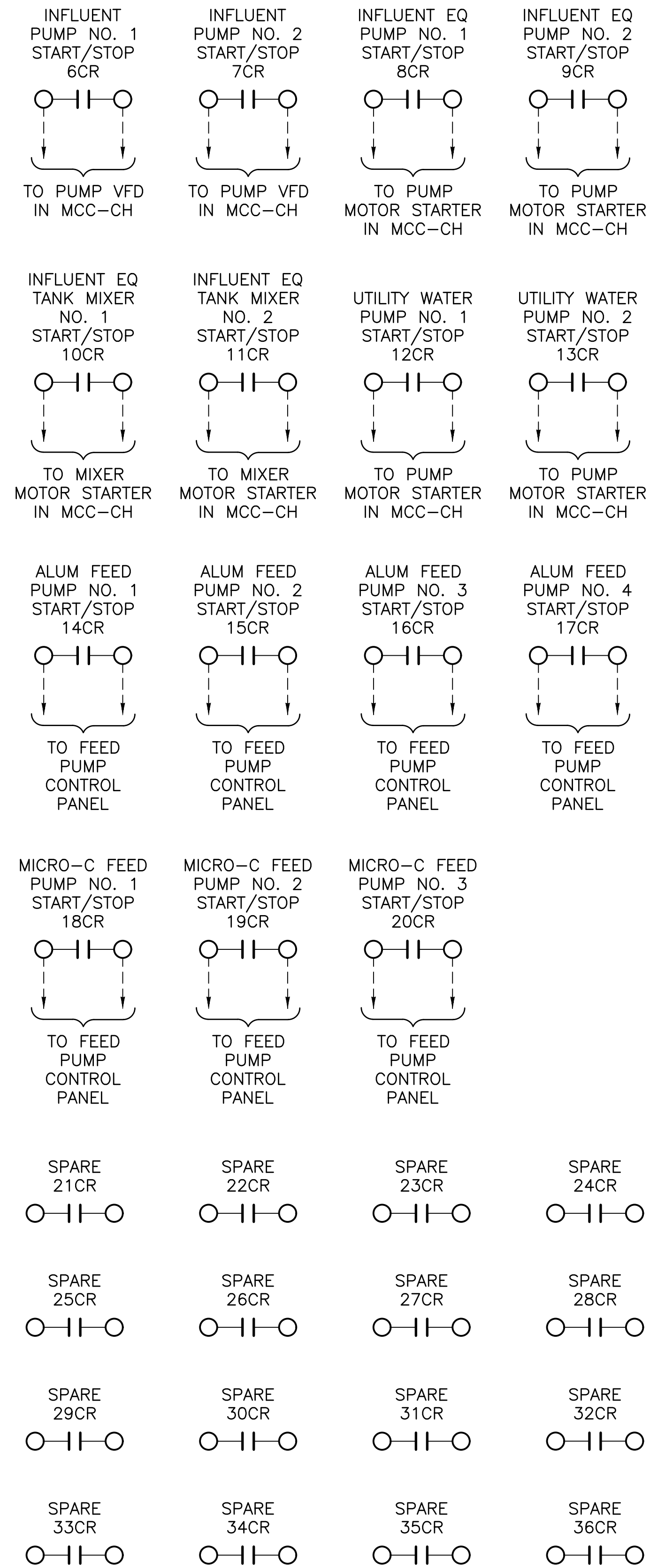
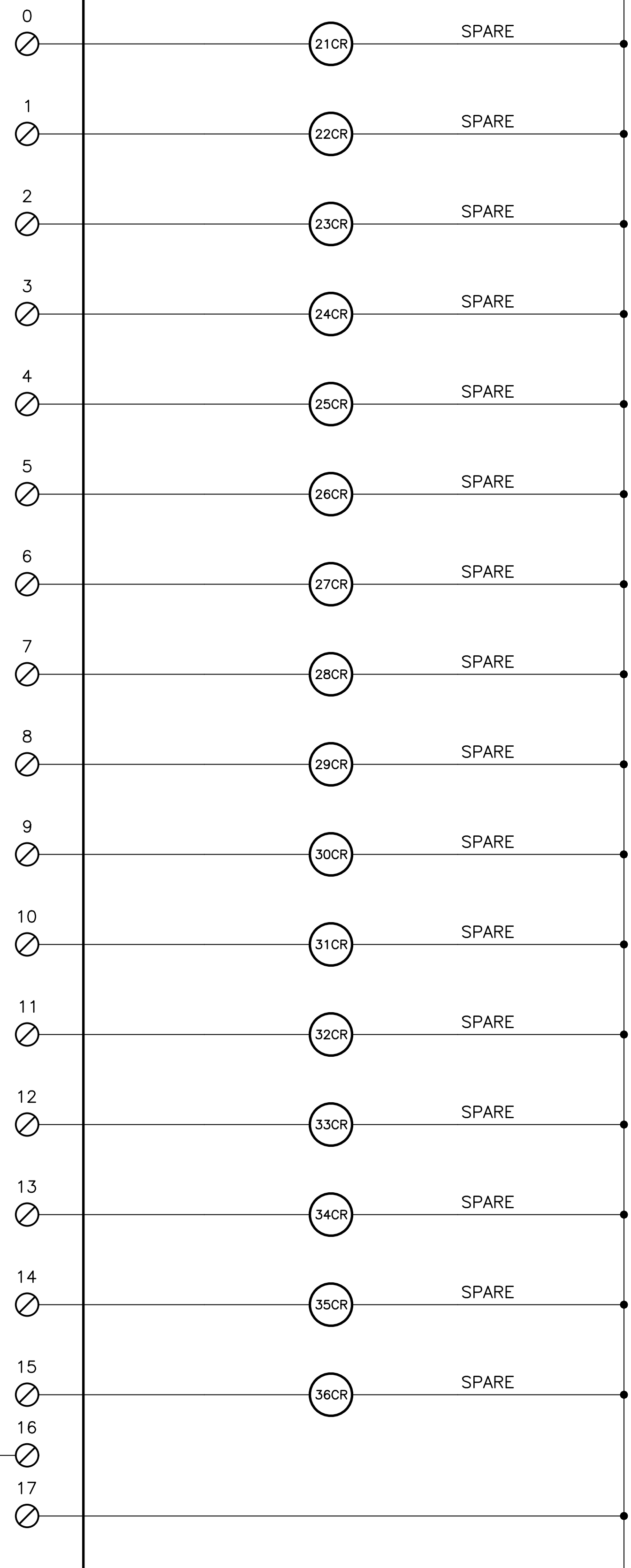
PROJECT STATUS: **100% SUBMITTAL** SHEET NO: **PCS-14**

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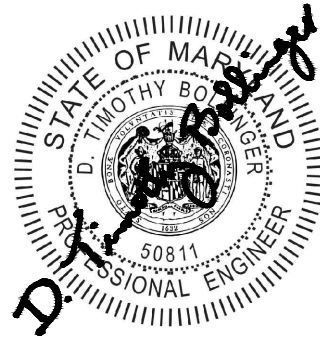
24VDC RELAY
OUTPUT MODULE
(5069-OB16)



24VDC RELAY
OUTPUT MODULE
(5069-OB16)



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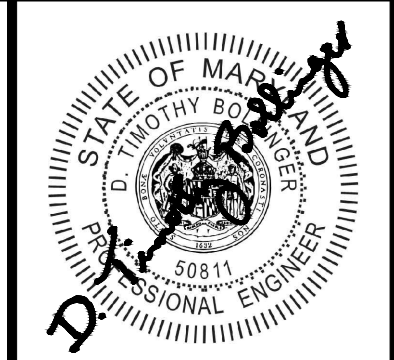
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SHEET TITLE:
**INFLUENT PUMP
CONTROL
PANEL
WIRING
DIAGRAM**

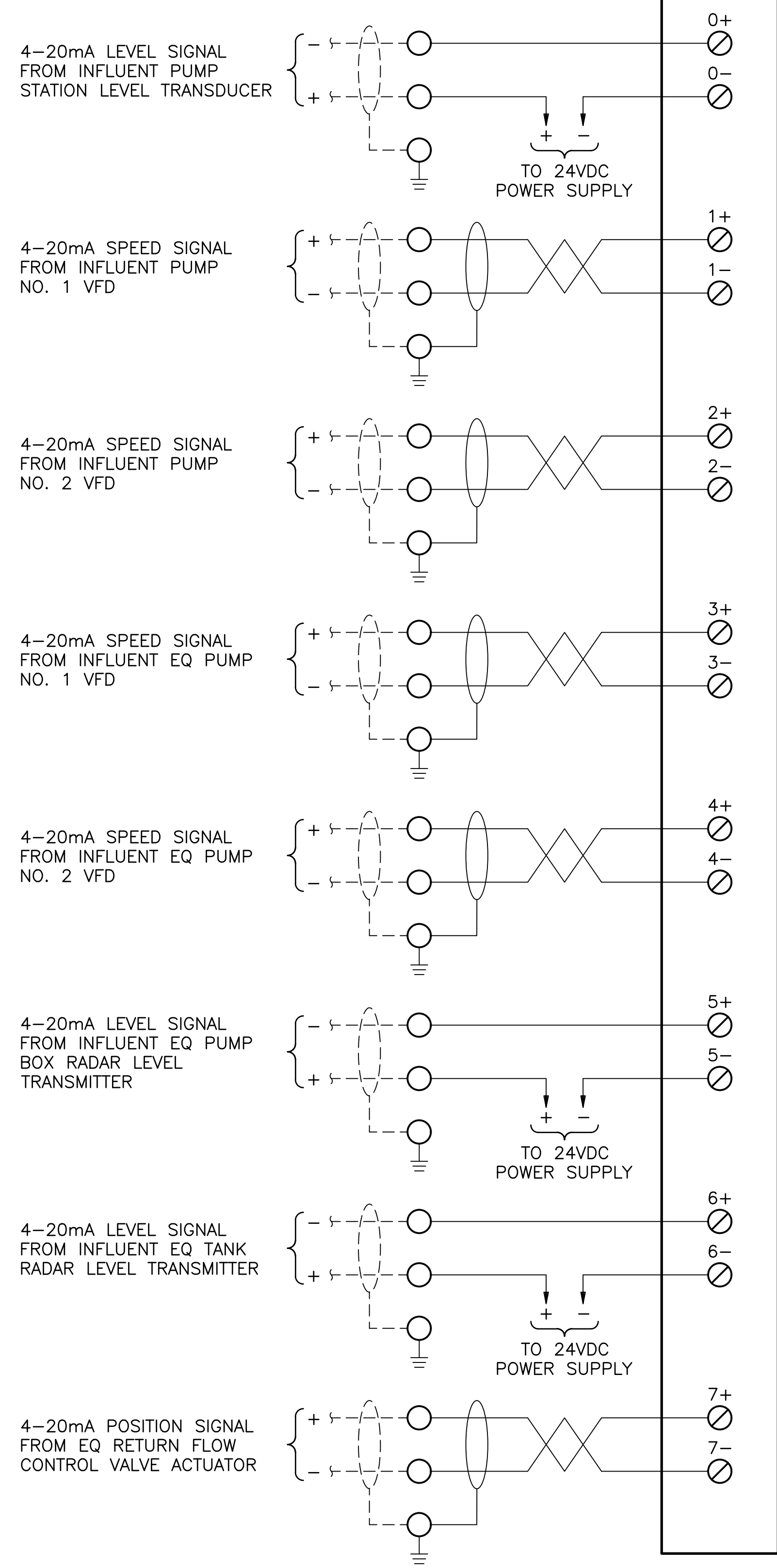
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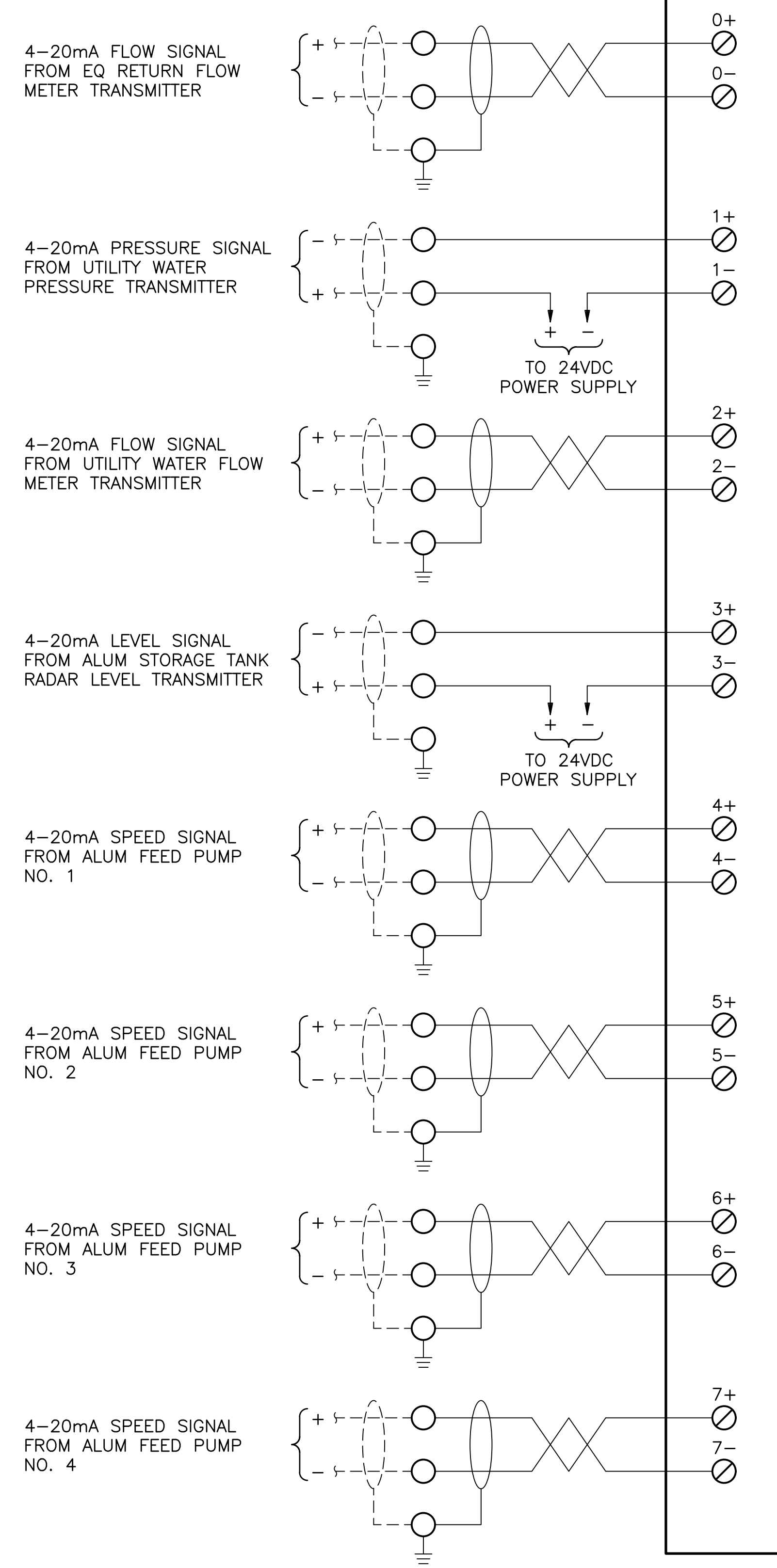


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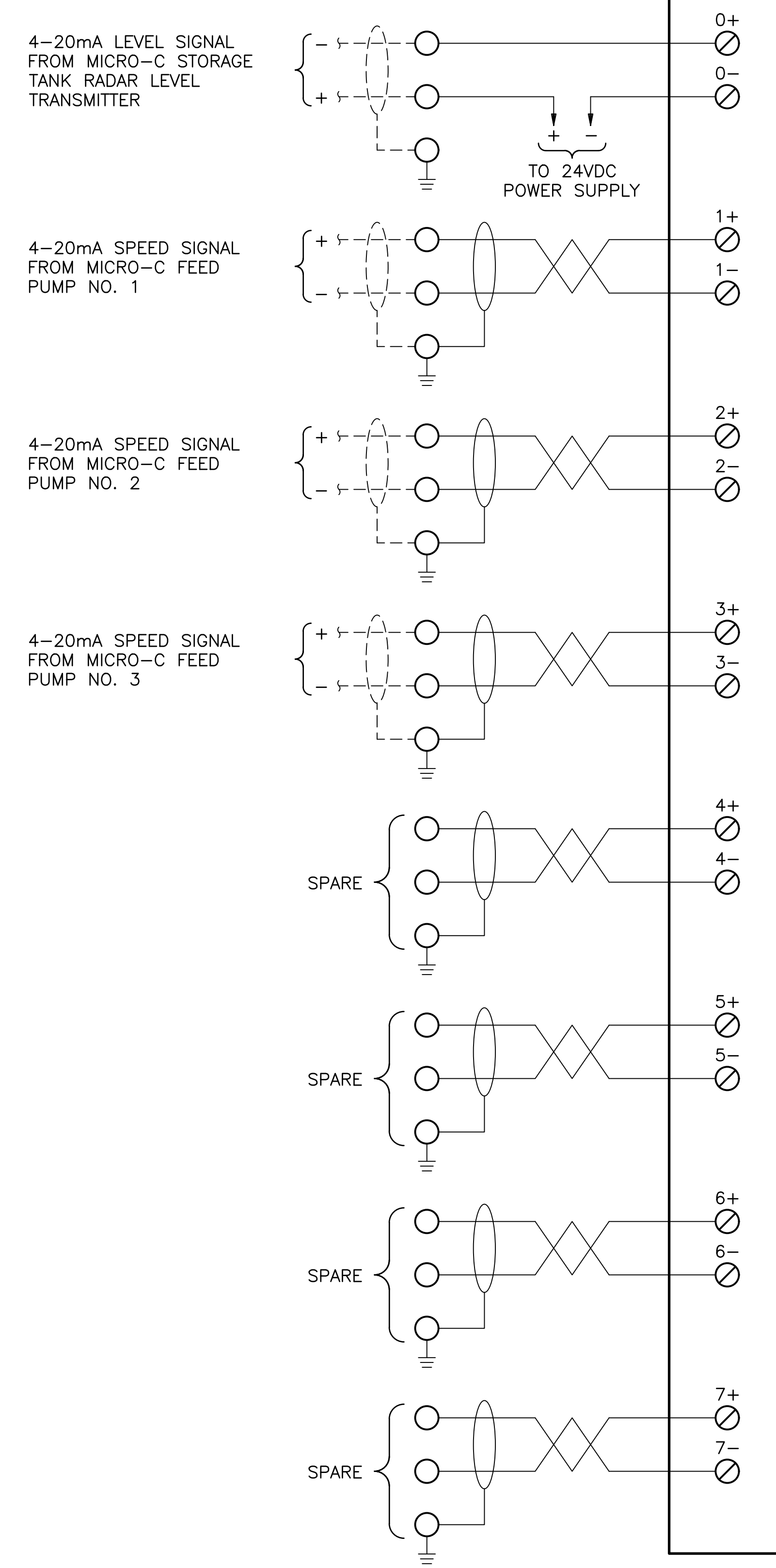
ANALOG INPUT MODULE (5069-IF8)



ANALOG INPUT MODULE (5069-IF8)



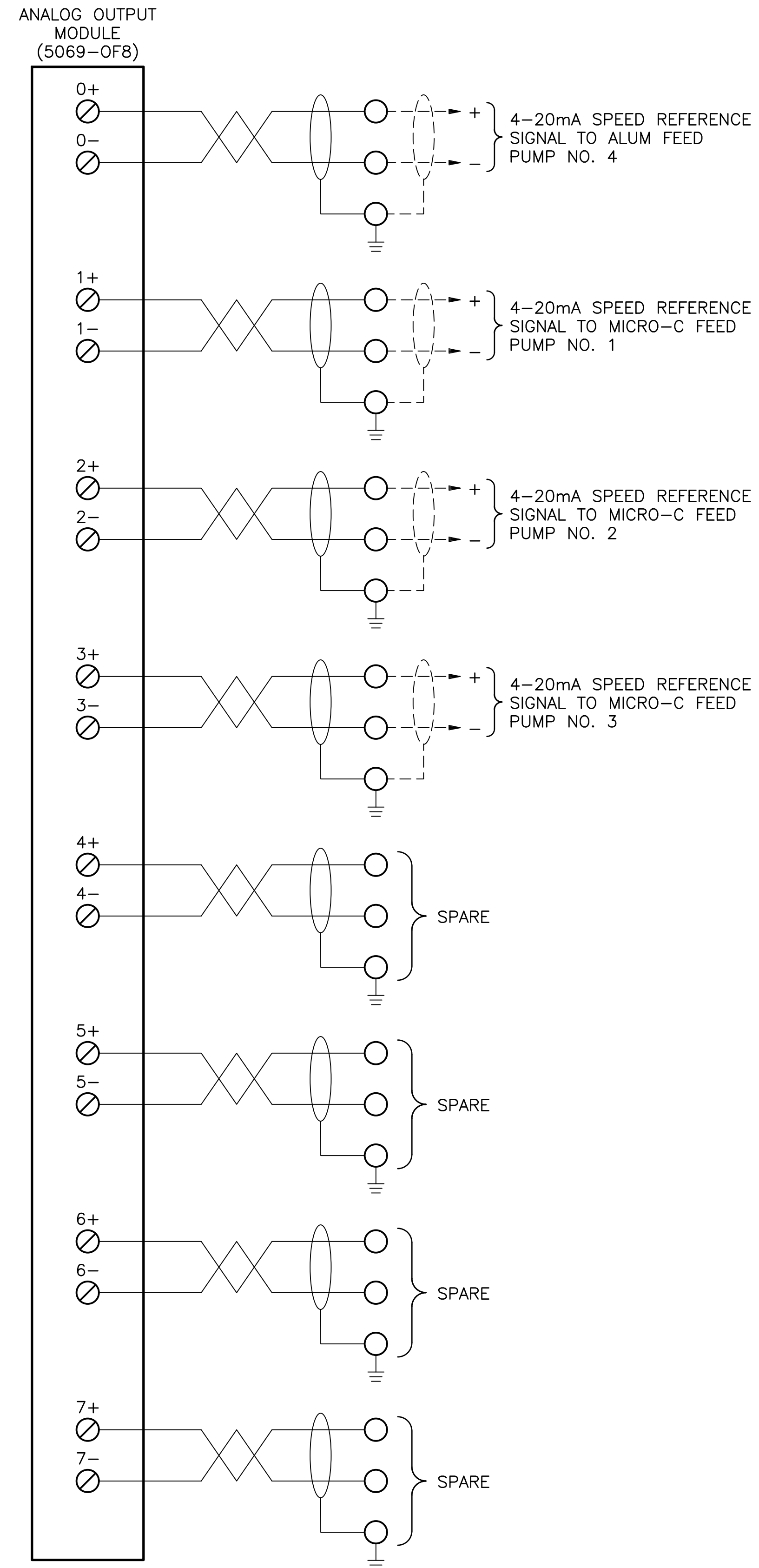
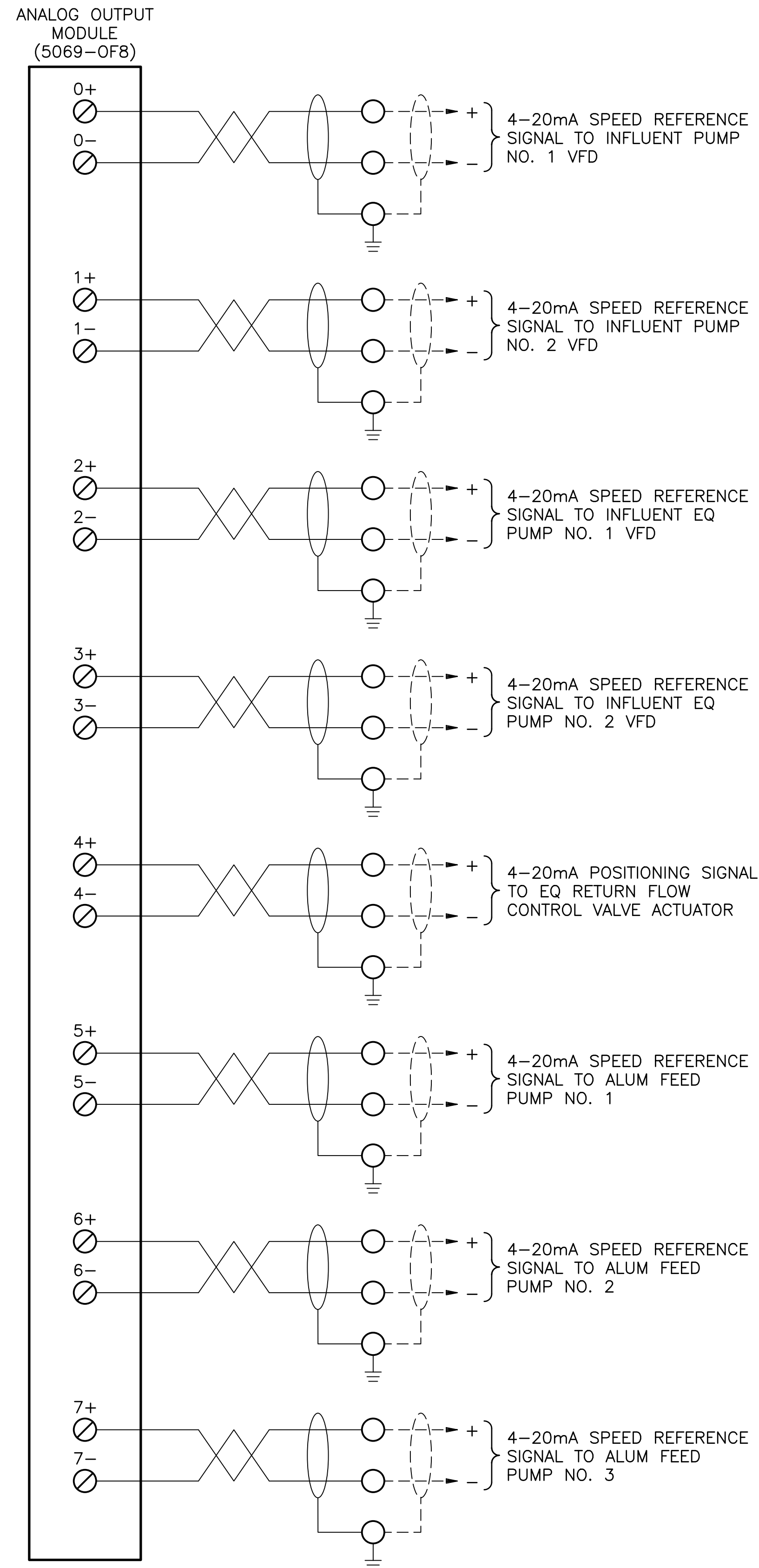
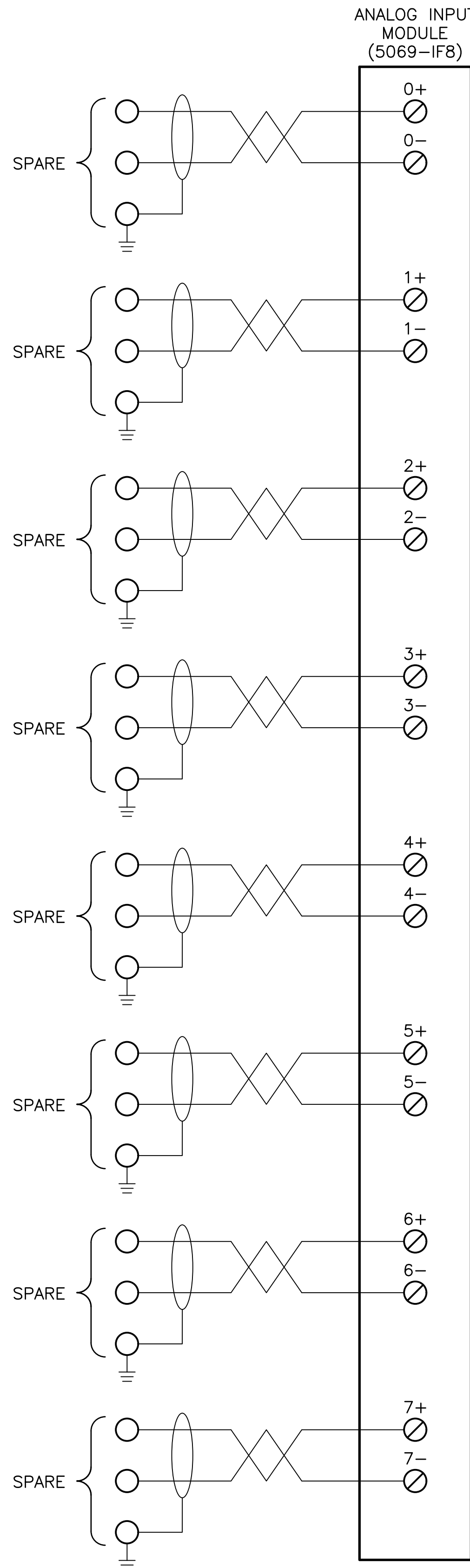
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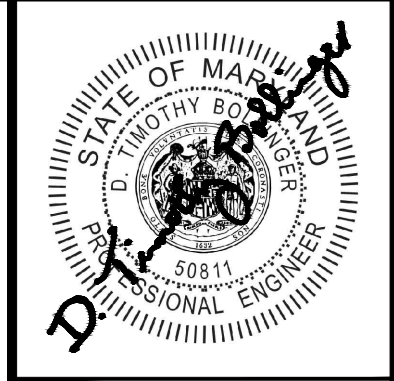
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INFLUENT PUMP CONTROL PANEL WIRING DIAGRAM