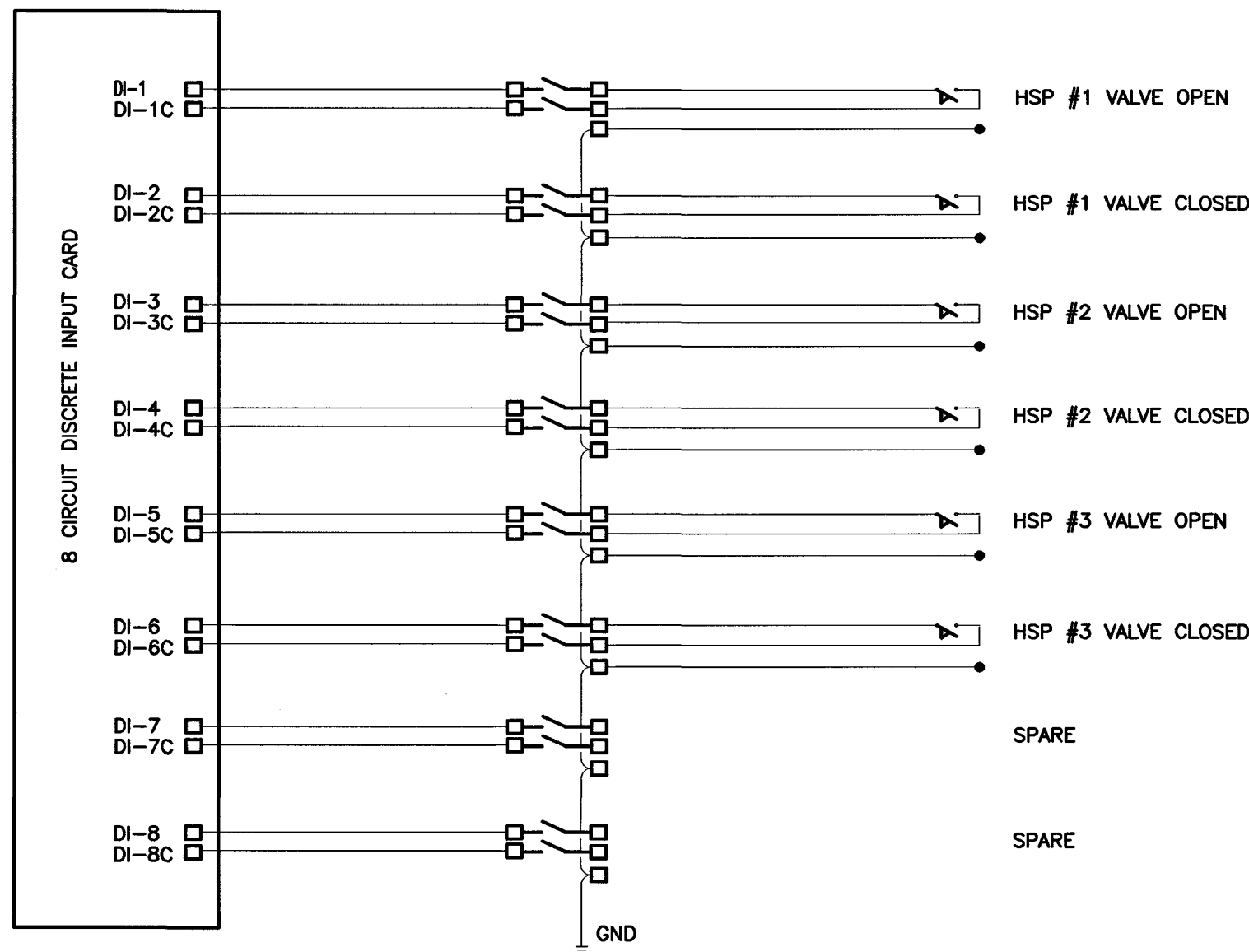
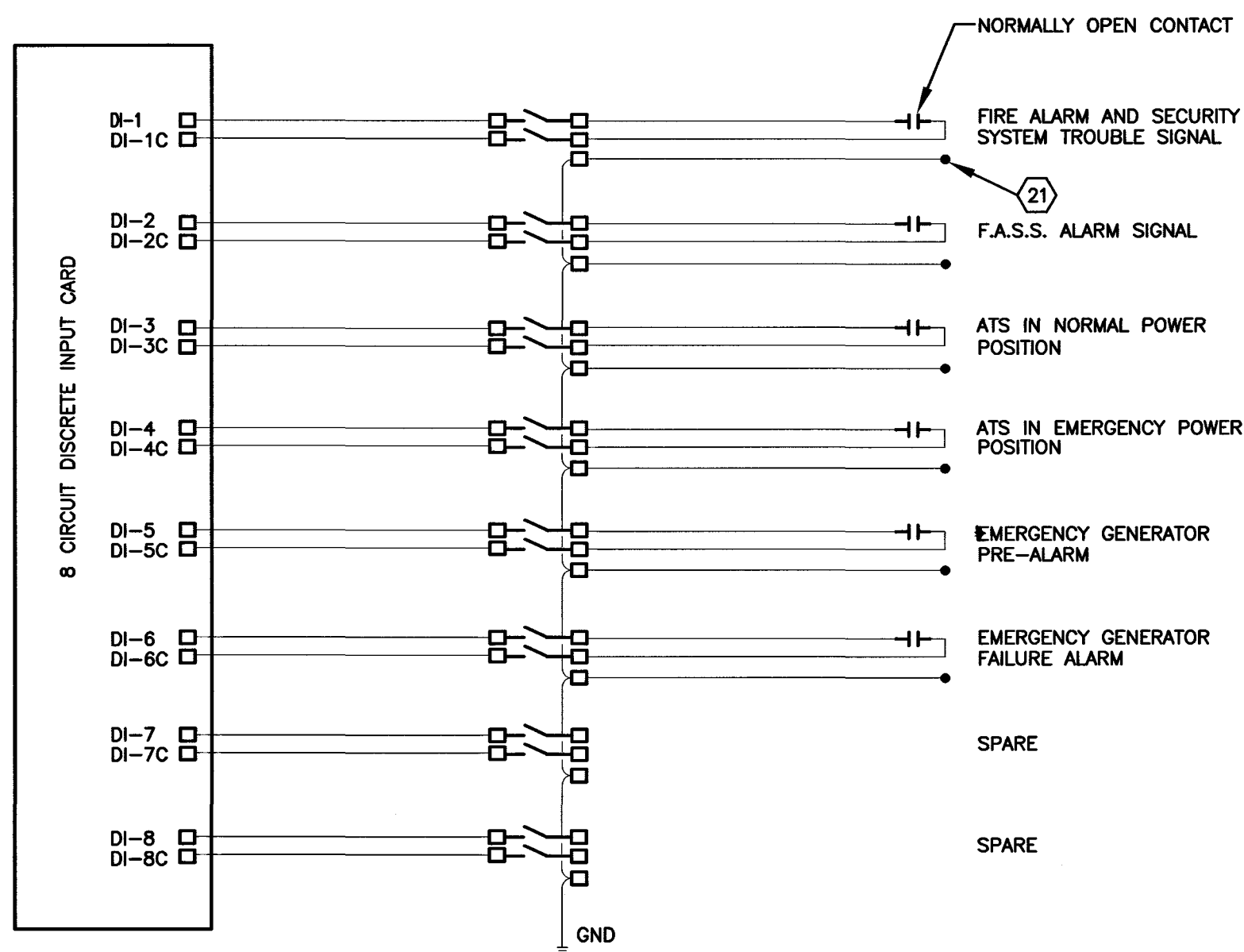
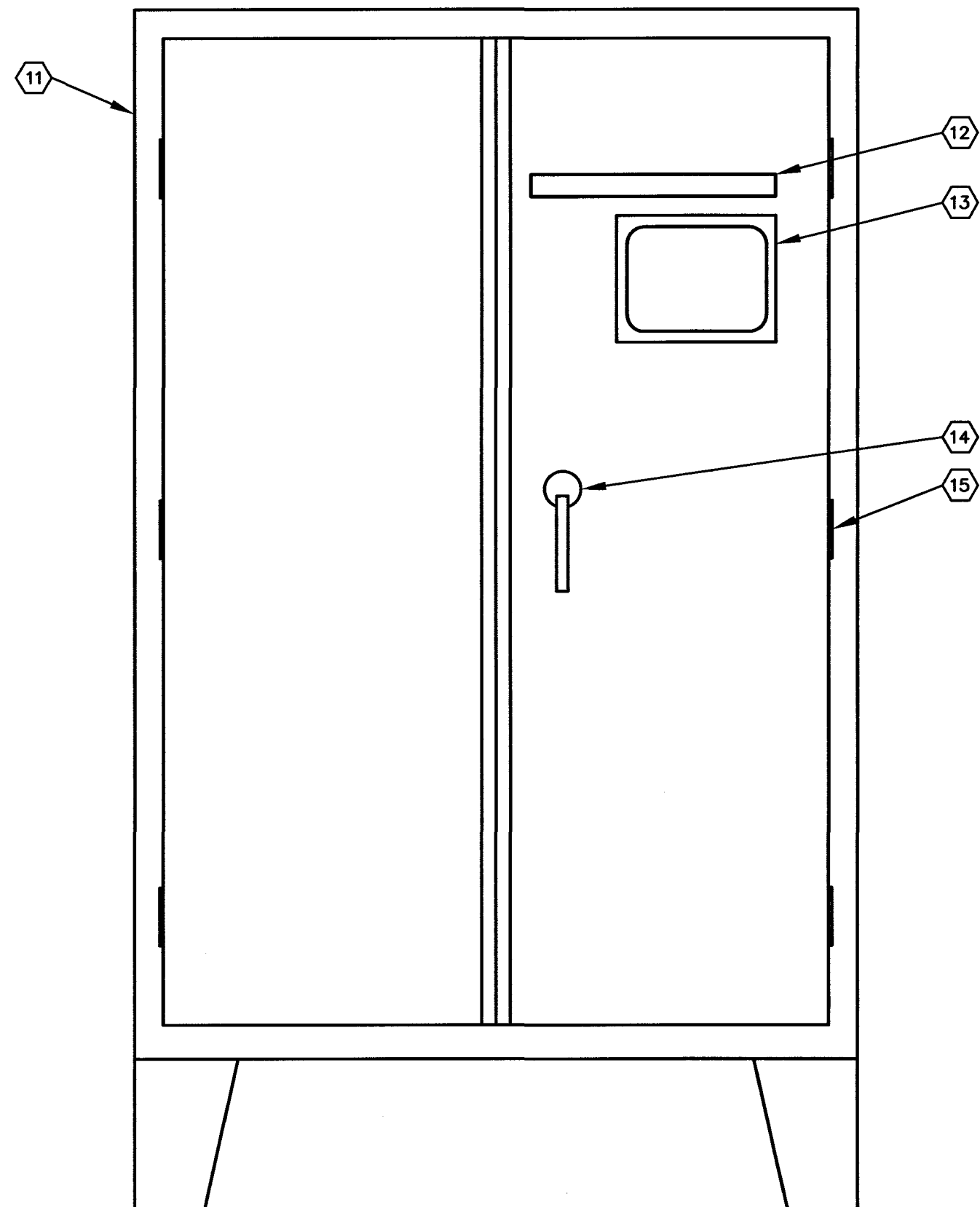




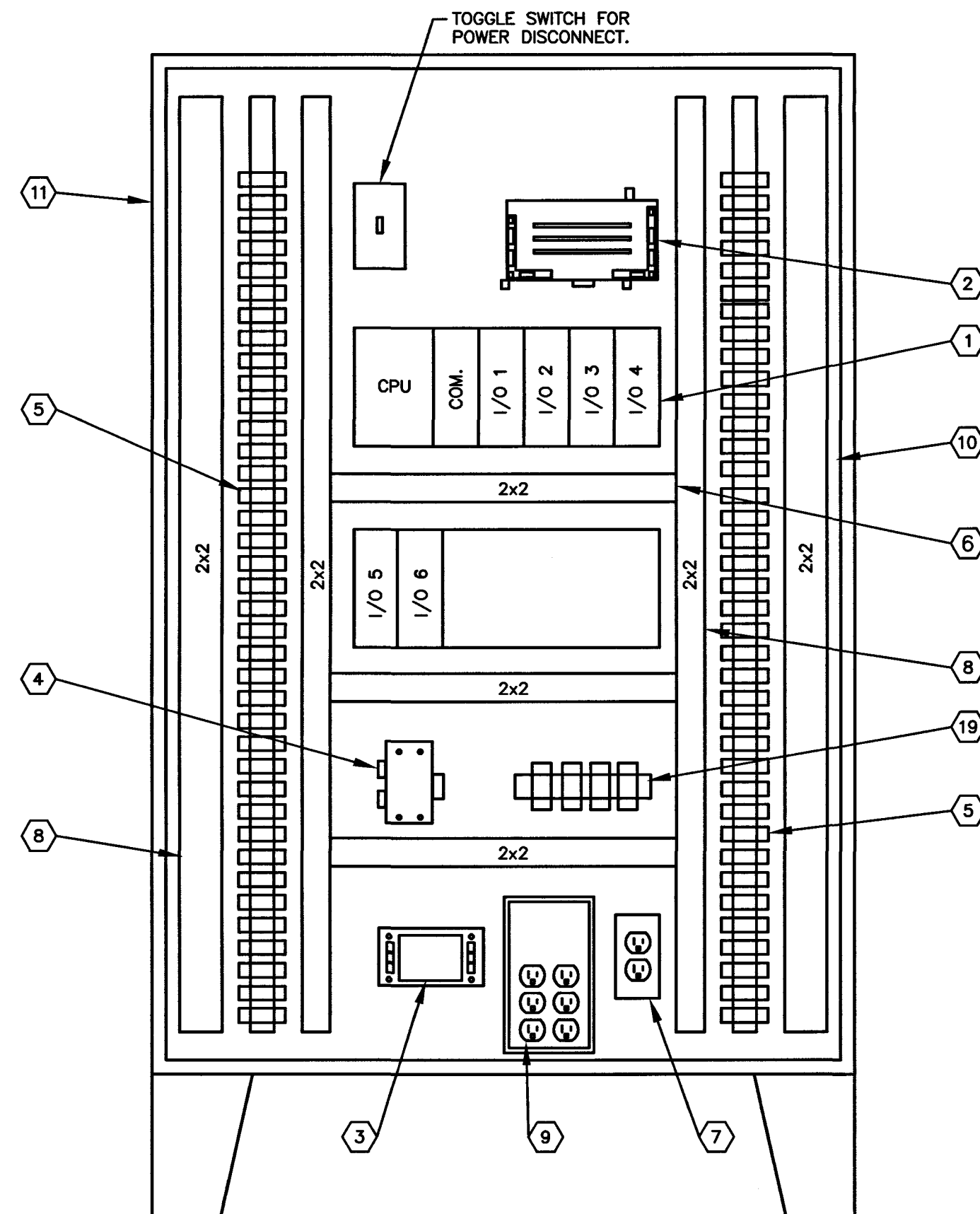
INSTRUMENT LOOP SCHEMATIC NO. 5
NO SCALE



INSTRUMENT LOOP SCHEMATIC NO. 4
NO SCALE



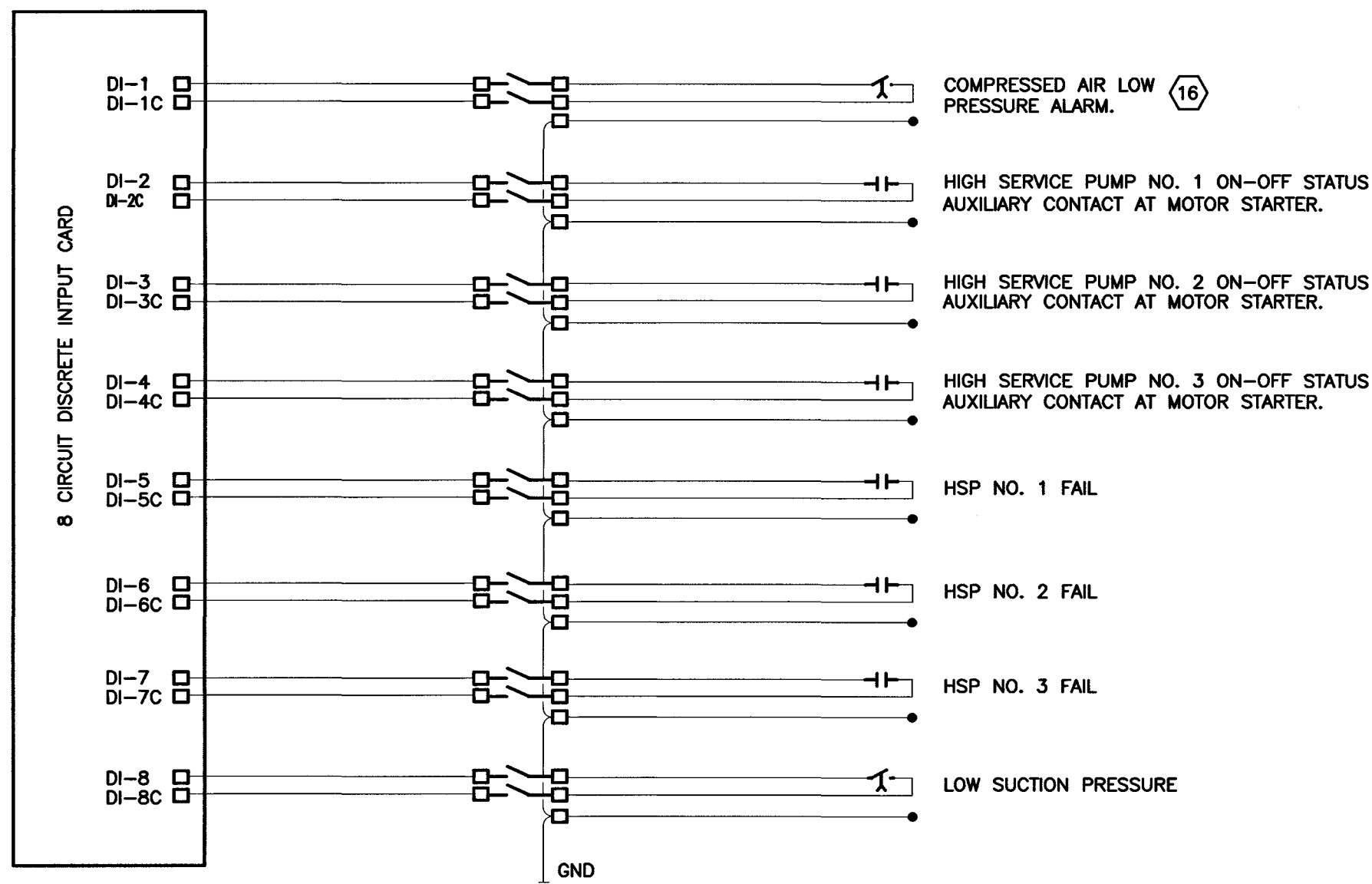
EXTERIOR VIEW
INSTRUMENTATION AND CONTROL PANEL
NO SCALE



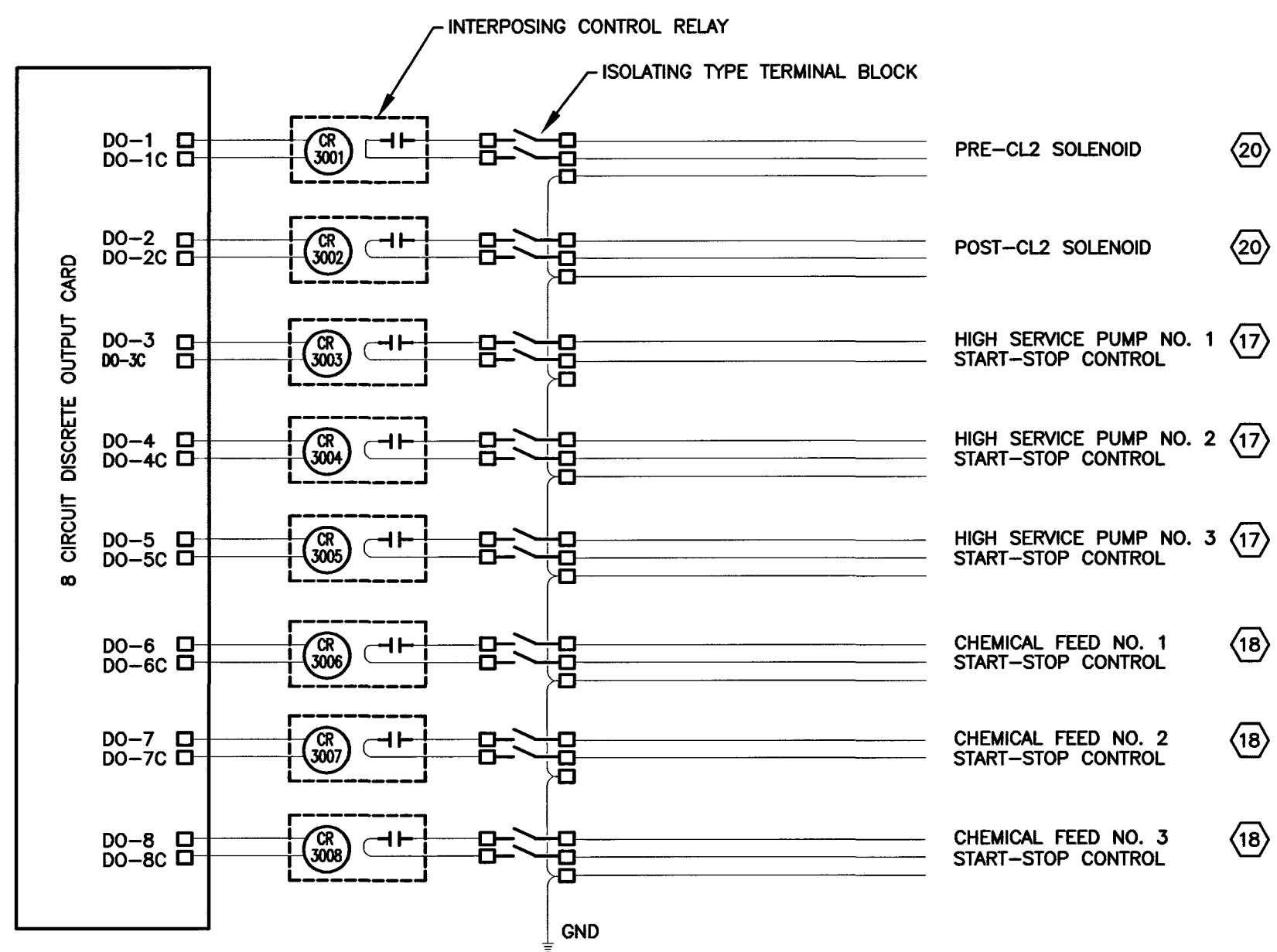
INTERIOR VIEW
INSTRUMENTATION AND CONTROL PANEL
NO SCALE

I AND C PANEL NOTES

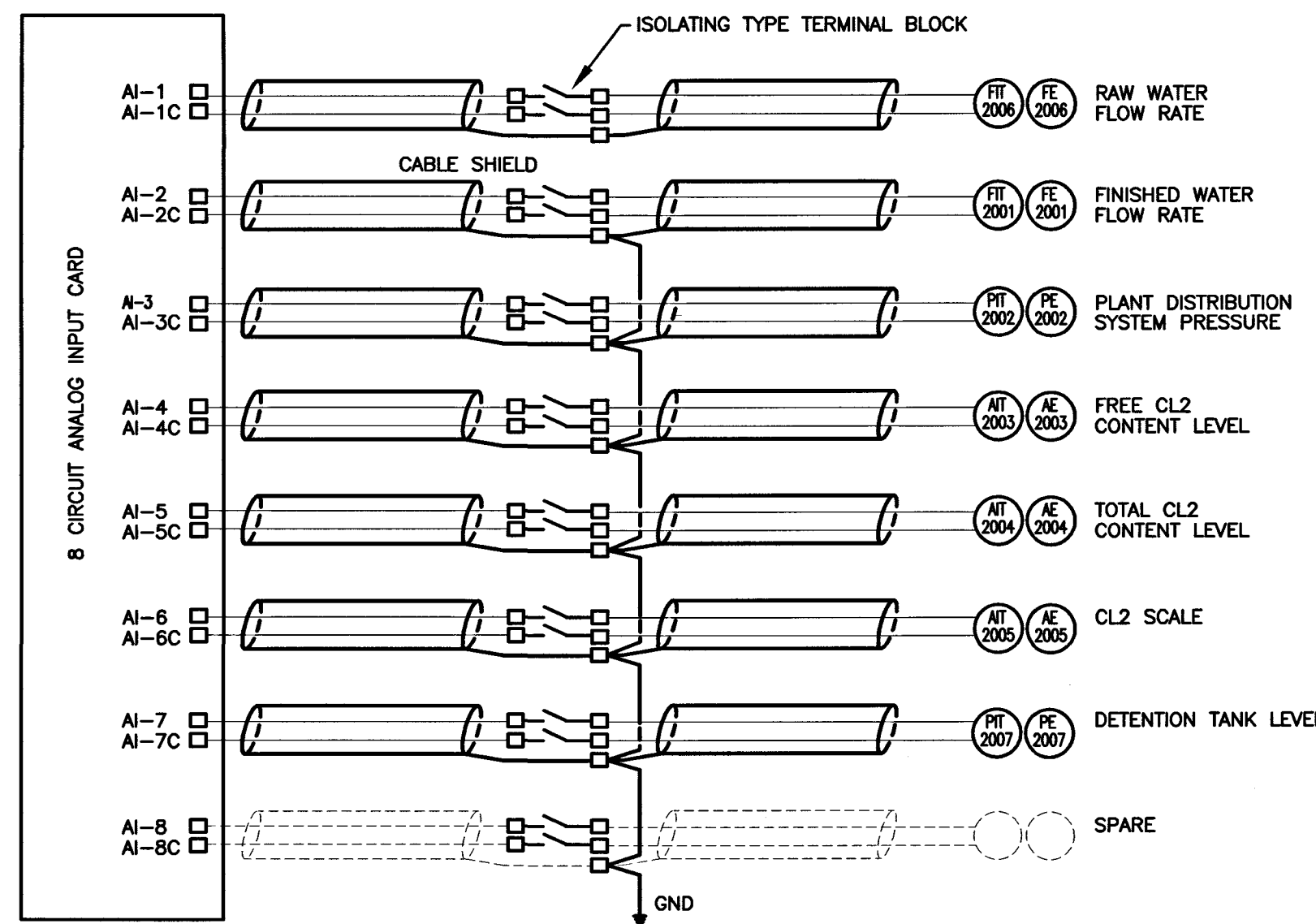
- 1 PROGRAMMABLE CONTROLLER ALLEN BRADLEY SLC 500 SERIES.
- 2 RADIO TRANSCEIVER.
- 3 TRANSIENT VOLTAGE SURGE SUPPRESSOR.
- 4 24VDC POWER SUPPLY.
- 5 DIN RAIL MOUNTED ACCESSORIES, TO INCLUDE FUSED TERMINALS, ISOLATING TERMINALS, INTERPOSING RELAYS.
- 6 PLC EXPANSION RACK.
- 7 GFI TYPE DUPLEX RECEPTACLE IN HANDY BOX; CONNECTED AHEAD OF UPS.
- 8 PLASTIC WIREWAY WITH SNAP-IN COVER.
- 9 500VA, 10 MINUTE, MINI-UPS, 120VAC POWER SUPPLY.
- 10 MOUNTING BACK PANEL.
- 11 NEMA 12 PAINTED STEEL TWO DOOR INDUSTRIAL ENCLOSURE.
- 12 ENGRAVED LAMINATE NAMEPLATE.
- 13 PANELVIEW OPERATOR CONTROL STATION.
- 14 FRONT COVER HANDLE.
- 15 HINGE.
- 16 NORMALLY OPEN CONTACT HELD CLOSED BY AIR PRESSURE.
- 17 CONNECT TO RESPECTIVE H.S.P. VALVE CONTROL PANEL, WHICH IN-TURN PROVIDES H.S.P. START SIGNAL TO MOTOR STARTER IN M.C.C.
- 18 SWITCH RESPECTIVE 120VAC RECEPTACLE SERVING FEED PUMP.
- 19 FUSE BLOCKS.
- 20 INTERCEPT EXISTING SOLENOID CONTROL CIRCUIT.
- 21 BOND TO GROUND AT PANEL OR DEVICE; TYPICAL.



INSTRUMENT LOOP SCHEMATIC NO. 3
NO SCALE



INSTRUMENT LOOP SCHEMATIC NO. 2
NO SCALE



INSTRUMENT LOOP SCHEMATIC NO. 1
NO SCALE

NOTES:

**SEE EFI O&M MANUALS FOR REVISIONS.

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NO.	DESCRIPTION	DATE	BY
1	AS-BUILT REVISION	5/2004	GCR
REVISIONS			

HOOSIER HILLS REGIONAL WATER DISTRICT DIVISION "F" WATERWORKS SYSTEM IMPROVEMENTS CONTRACT F-2	
WATER TREATMENT PLANT INSTRUMENTATION AND CONTROL DETAILS	
GRW PROJECT NO. 2745	JWSA PROJECT NO. 2001-05



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NASHVILLE, TENNESSEE
ARLINGTON, TEXAS

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