

ZONE	REV	ECN	DESCRIPTION	DATE	DR	CHK	APPD

REVISION HISTORY

NOTE 1A:
ALL ANALOG LOW VOLTAGE WIRING TO BE RUN IN SEPARATE CONDUIT FROM ALL OTHER WIRING. ALL DRAIN WIRES TO BE INSULATED EITHER TOGETHER OR SEPARATELY WITHIN 2" OR CLOSER OF TERMINATION IF NOT CONFINED OTHERWISE.

NOTE 2A:
TEMPERATURE WIRING SPECIFICATIONS:
MINIMUM CABLE SIZE FOR SENSOR WIRING TO BE 22 AWG TWISTED PAIR - BELDEN #8762 OR EQUAL 20/2 TWISTED PAIR SUGGESTED IF CABLE HAS A DRAIN WIRE. GROUND DRAIN WIRE AT ONE END ONLY AND INSULATE OTHER END. 2000 FT. MAX. DISTANCE

NOTE 3A:
SPECIFICATIONS FOR TEMPERATURE CAPACITY CONTROL:
-SETPOINT RANGE: -50°F. TO 100°F.
-TEMPERATURE ASSEMBLY FOR NON-HAZARDOUS LOCATION (FRICK P/N 639A0151G05 WITH 1/2" NPT OR 639A0151G02 FOR CABLE STRAIN RELIEF - WIRE AS SHOWN IN SEPARATE CONDUIT FROM ALL OTHER WIRING. USE BELDEN #8761 CABLE OR EQUAL

NOTE 1B:
C.I. MOUNTED IN STARTER OR MOTOR JUNCT. BOX (BY OTHERS)

CHANNEL 16
MOTOR AMPS
LX2 (OUT)
ALTERNATE METHOD USING 0-20 MA
OR
CHANNEL 16
MOTOR AMPS
CUR TRAIL
SEE QUANTUM IOM MANUAL FOR C.I. WIRE SIZING TO MOTOR LK2 (IN)

PHD CONNECTORS, P94 & P98 COMPRESSOR & GPR MOTOR VIBRATION & TEMPERATURE MONITORING -FOR 7 CHANNELS DEDICATED TO PHD SEE DRAWING 649D5050

CHANNEL 13
REMOTE SLIDE VALVE POSITION.
0-20 MA

CHANNEL 14
(NOT USED)

CHANNEL 15
(NOT USED)

CHANNEL 16
MOTOR AMPS
LX2 (OUT)
ALTERNATE METHOD USING 0-20 MA
OR
CHANNEL 16
MOTOR AMPS
CUR TRAIL
SEE QUANTUM IOM MANUAL FOR C.I. WIRE SIZING TO MOTOR LK2 (IN)

CHANNEL 1 (EZ COOL PID LOOP IF REQ'D)
PID LOOP OR PROGRAMMABLE SELECTABLE OUTPUT TO RE-TRANSMIT ANALOG INPUT 4-20 MA

CHANNEL 2
PID LOOP OR PROGRAMMABLE SELECTABLE OUTPUT TO RE-TRANSMIT ANALOG INPUT 4-20 MA

CHANNEL 3
PROGRAM SELECTABLE OUTPUT TO RE-TRANSMIT ANALOG INPUT SLIDE VALVE POSITION/CAPACITY 4-20 MA

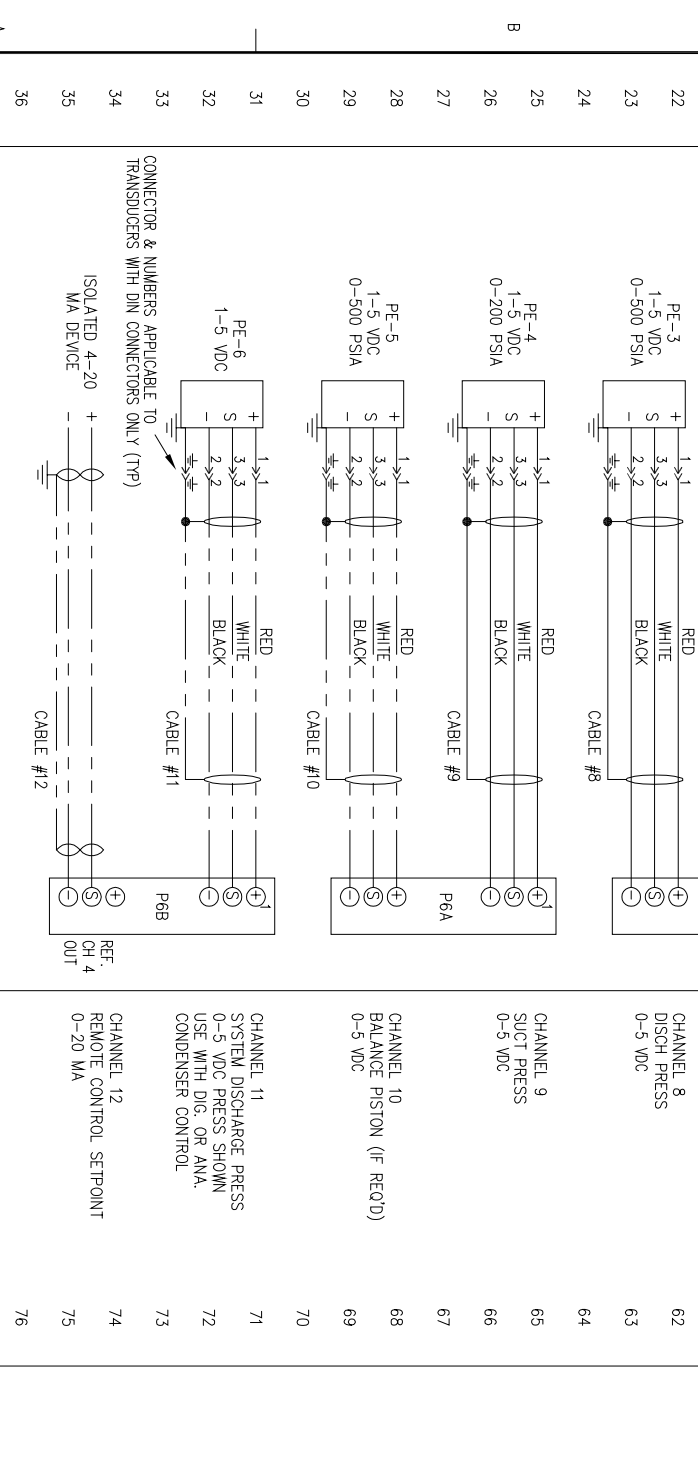
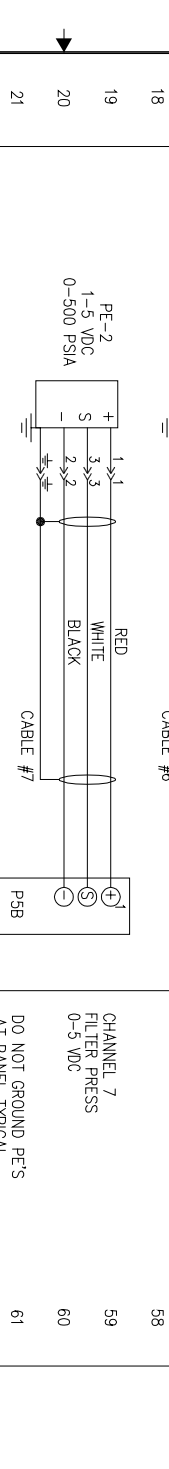
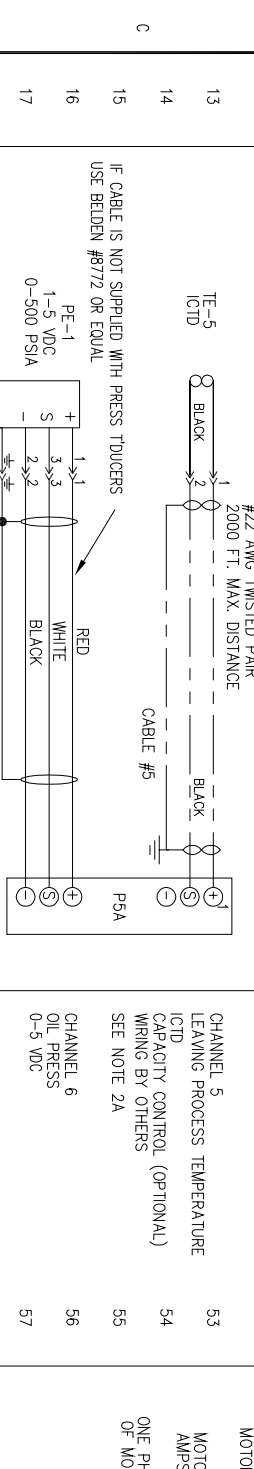
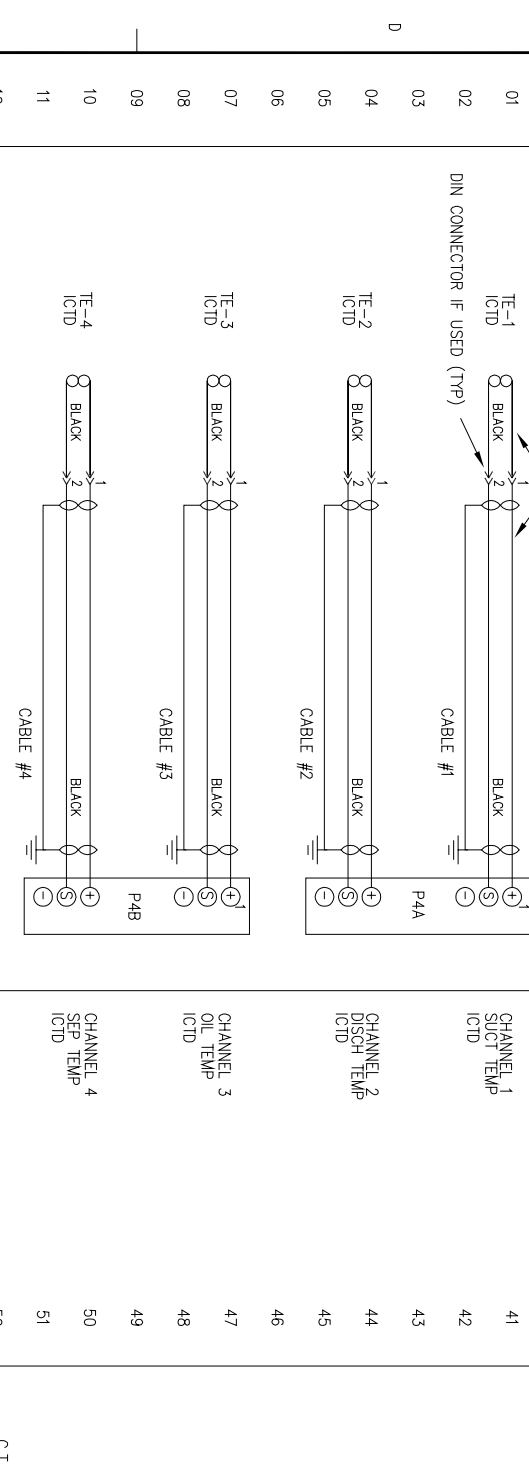
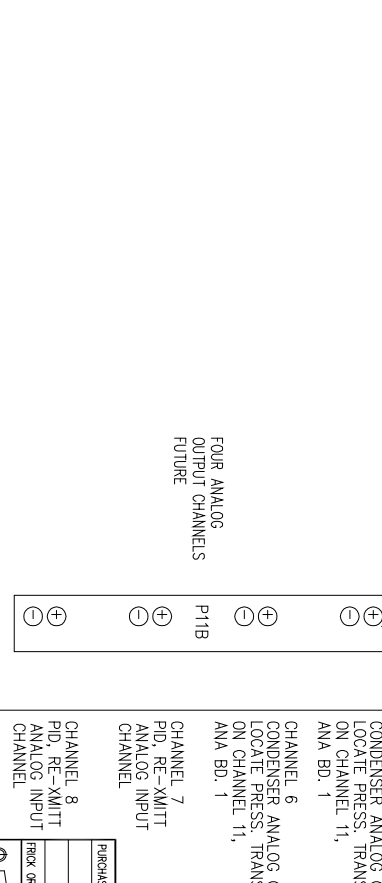
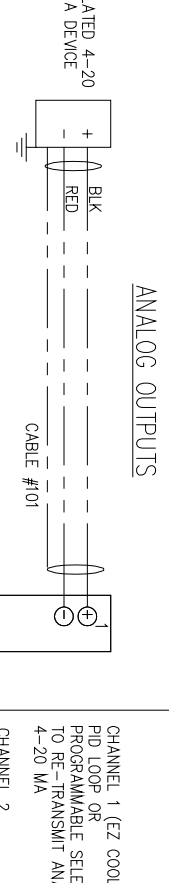
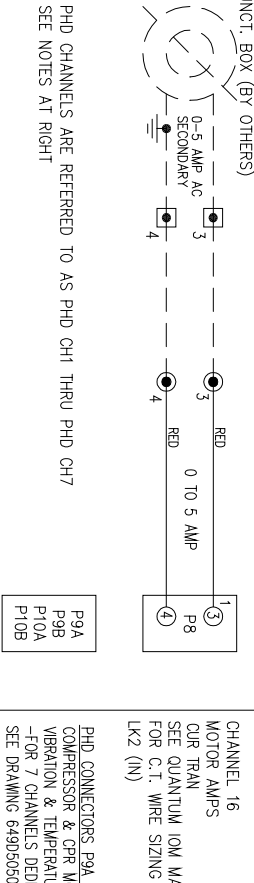
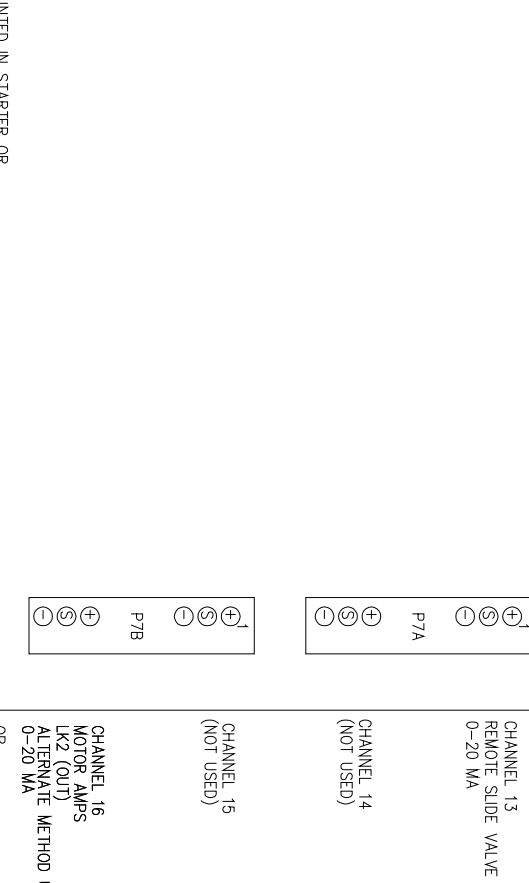
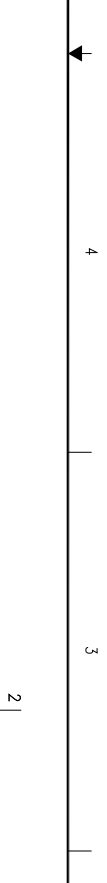
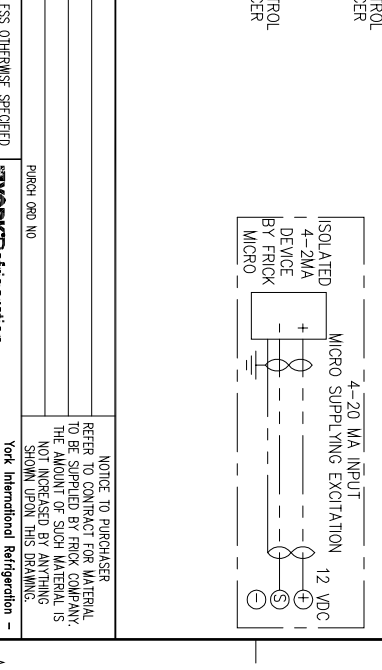
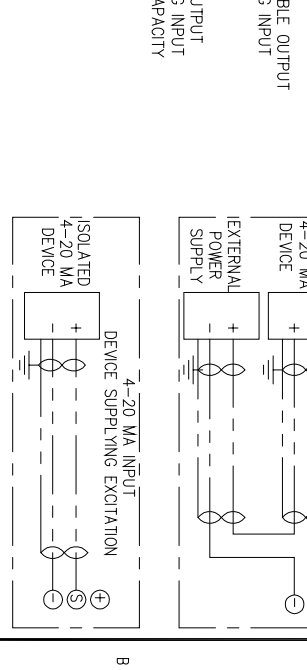
CHANNEL 4
REMOTE CONTROL SETPOINT 4-20 MA

CHANNEL 5
CONDENSER ANALOG CONTROL LOCATE PRESS. TRANSDUCER ON CHANNEL 11, ANA BD. 1

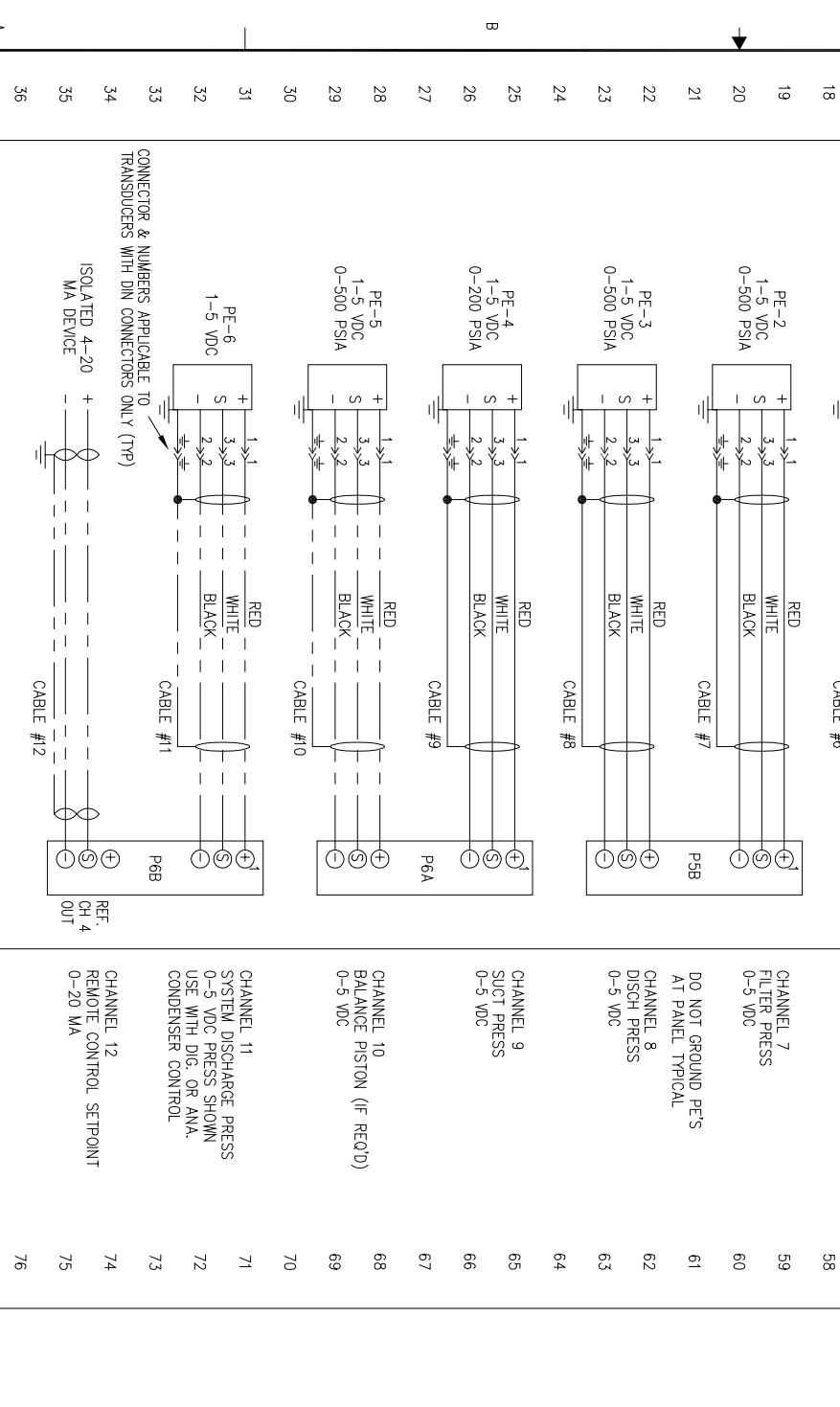
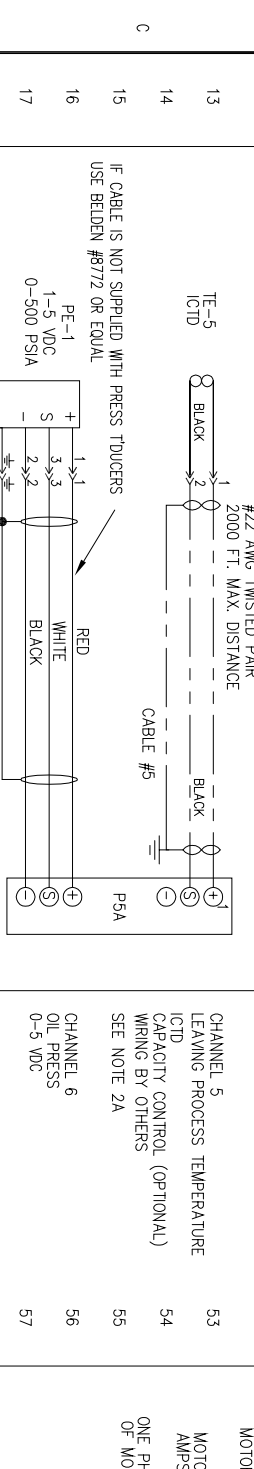
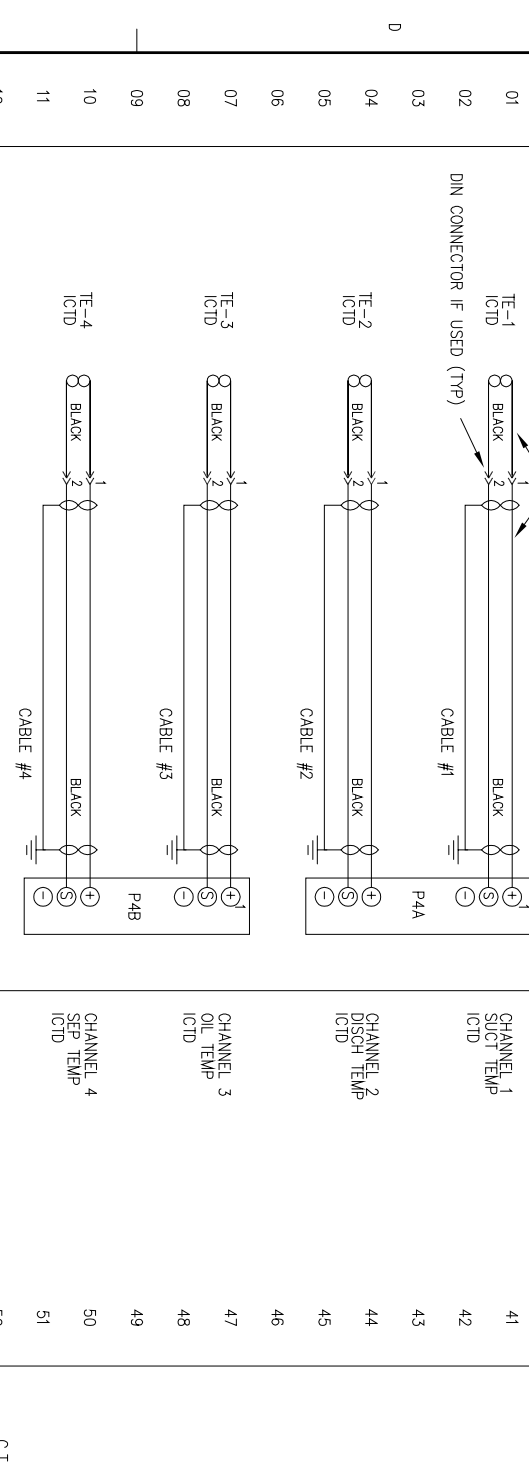
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CONDENSER ANALOG CONTROL LOCATE PRESS. TRANSDUCER ON CHANNEL 11, ANA BD. 1

CHANNEL 7
PID, RE-MIXTIT ANALOG INPUT CHANNEL

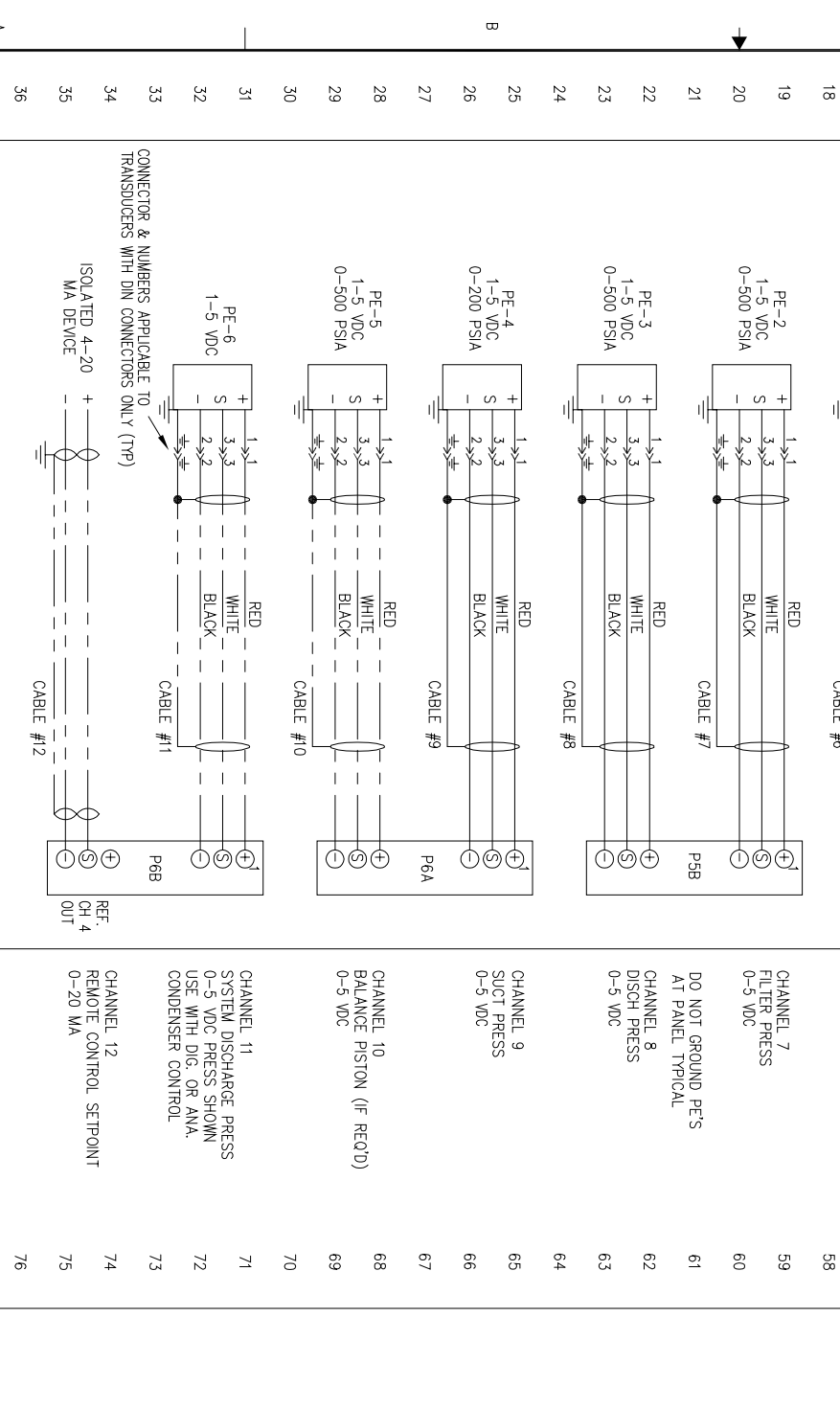
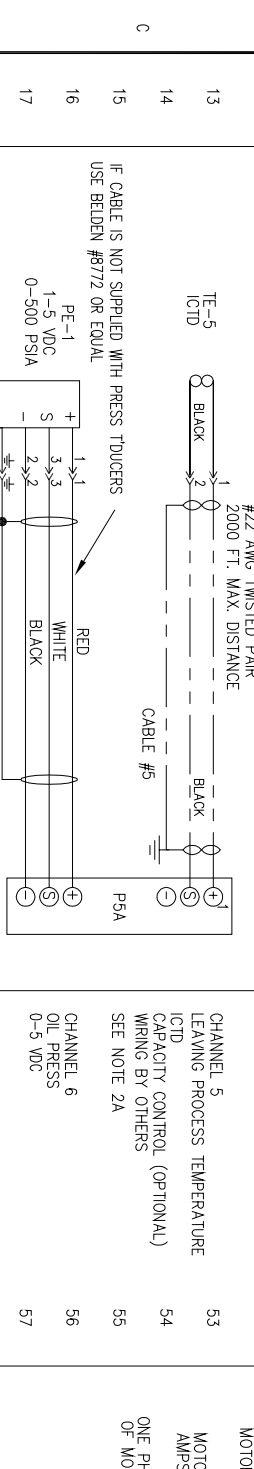
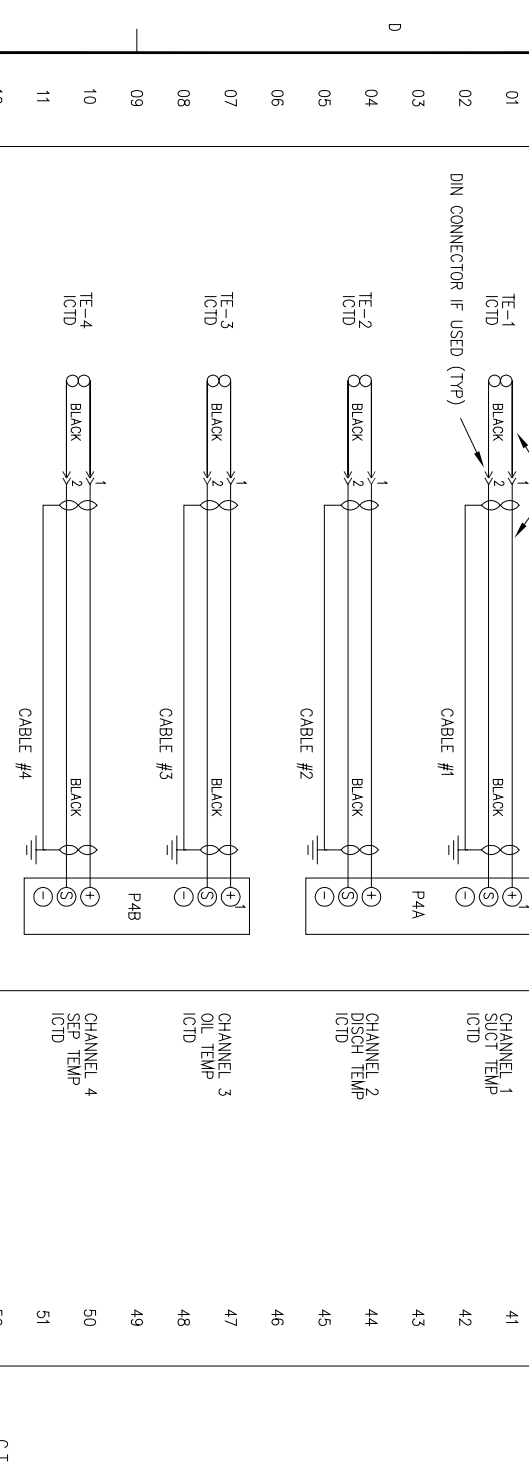
CHANNEL 8
PID, RE-MIXTIT ANALOG INPUT CHANNEL



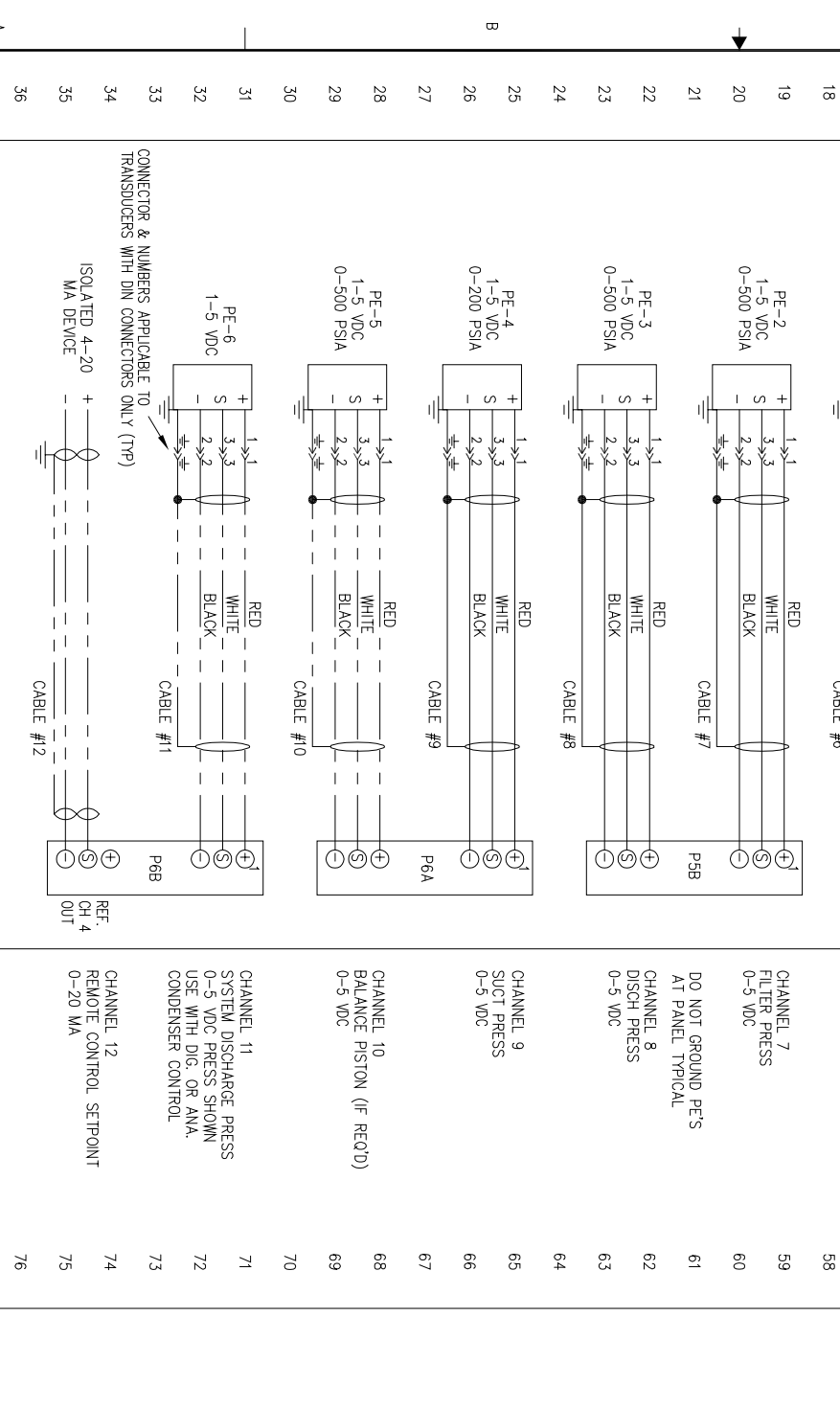
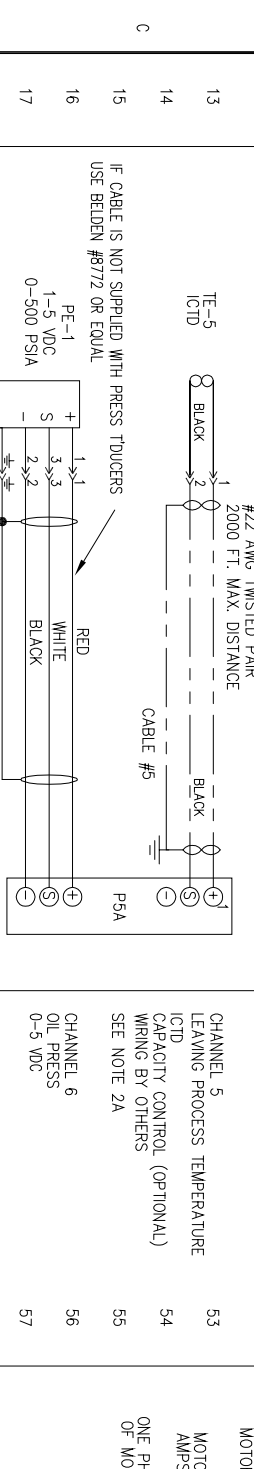
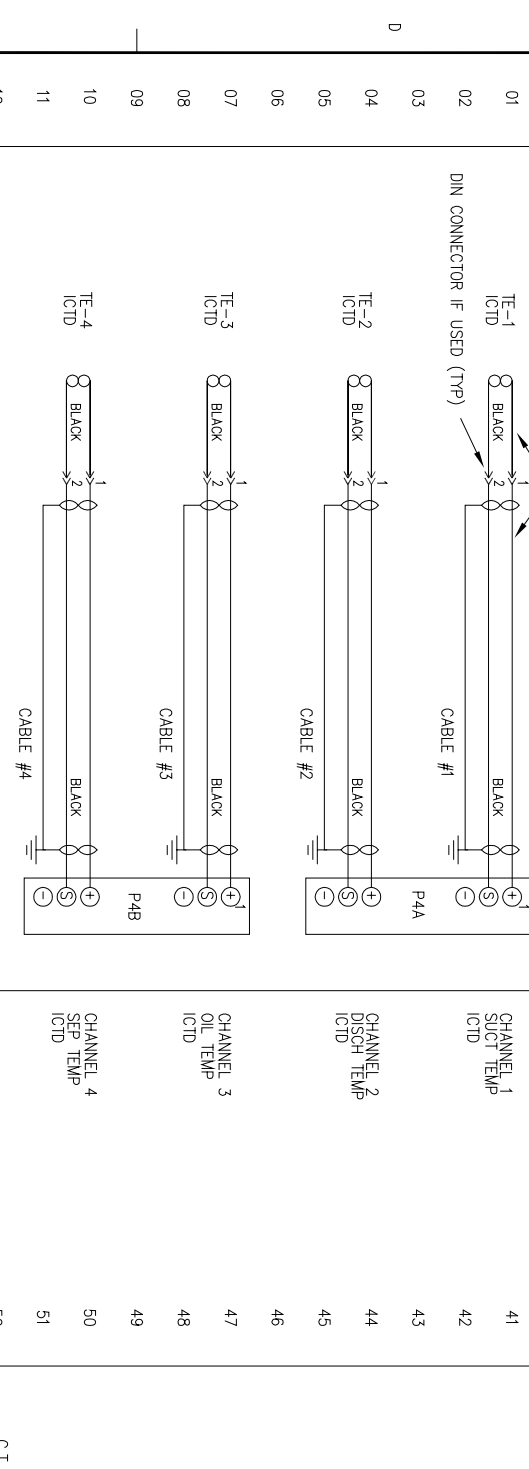
CHANNEL	DESCRIPTION	VOLTS	TYPE	WIRE GAUGE	WIRE COLOR	TERMINAL	MARKING
1	SUOT TEMP ICD	0-5 VDC	ICD	18	BLACK	1	
2	DISCH TEMP ICD	0-5 VDC	ICD	18	BLACK	2	
3	CHANNEL 3 OIL TEMP ICD	0-5 VDC	ICD	18	BLACK	3	
4	CHANNEL 4 SEPT TEMP ICD	0-5 VDC	ICD	18	BLACK	4	
5	CHANNEL 5 LEAVING PROCESS TEMPERATURE CAPACITY CONTROL (OPTIONAL) WIRING BY OTHERS SEE NOTE 2A	0-5 VDC	ICD	18	BLACK	5	
6	CHANNEL 6 OIL PRESS 0-5 VDC	0-5 VDC	PRESS	18	WHITE	1	
7	CHANNEL 7 FILTER PRESS 0-5 VDC	0-5 VDC	PRESS	18	WHITE	2	
8	CHANNEL 8 DISCH PRESS 0-5 VDC	0-5 VDC	PRESS	18	WHITE	3	
9	CHANNEL 9 SUOT PRESS 0-5 VDC	0-5 VDC	PRESS	18	WHITE	4	
10	CHANNEL 10 BALANCE PISTON (IF REQ'D) 0-5 VDC	0-5 VDC	PRESS	18	WHITE	5	
11	CHANNEL 11 SYSTEM DISCHARGE PRESS 0-5 VDC PRESS SHOWN USE WITH DIG. OR ANA. CONDENSER CONTROL	0-5 VDC	PRESS	18	WHITE	6	
12	CHANNEL 12 REMOTE CONTROL SETPOINT 0-20 MA	0-20 MA	SETPOINT	18	WHITE	7	



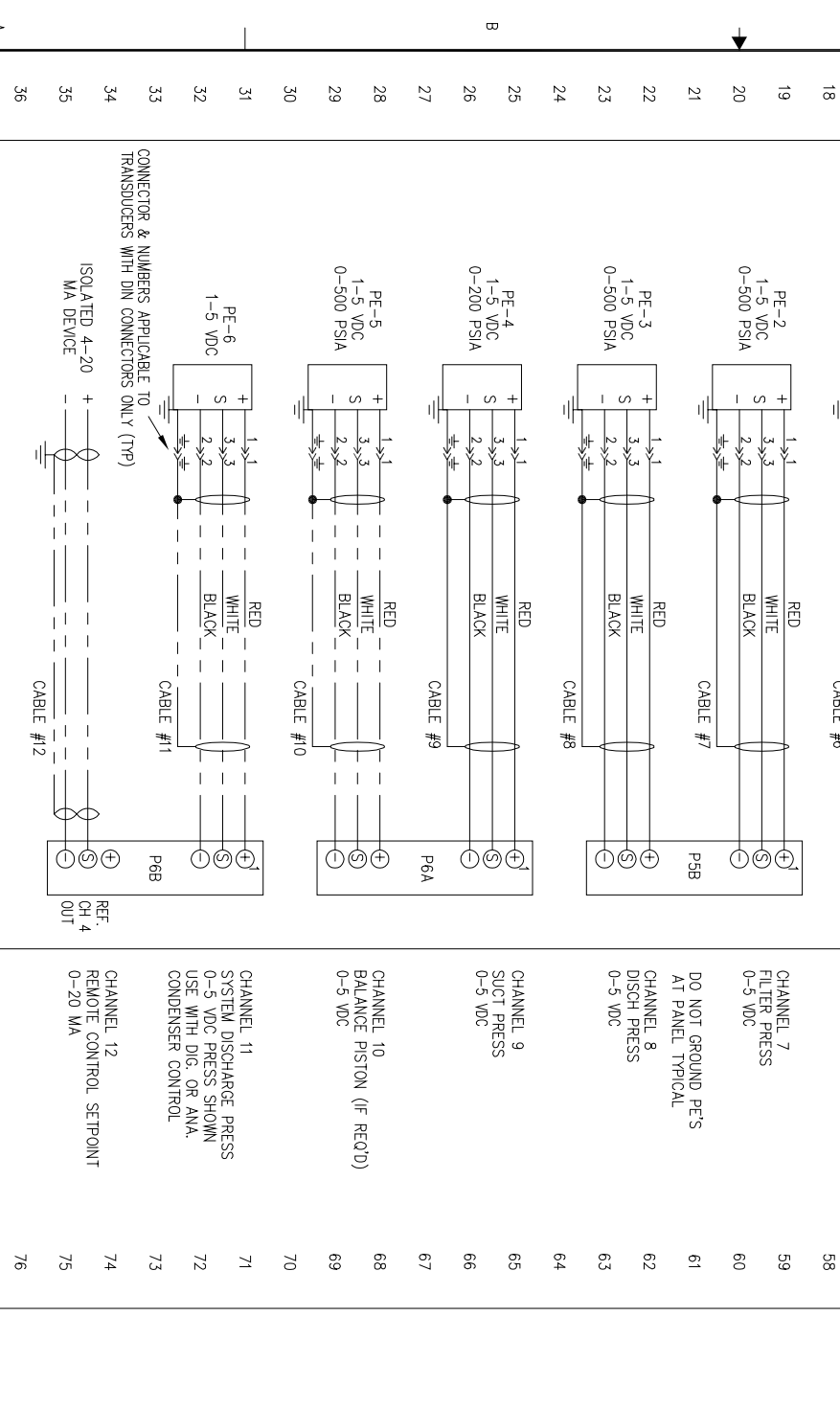
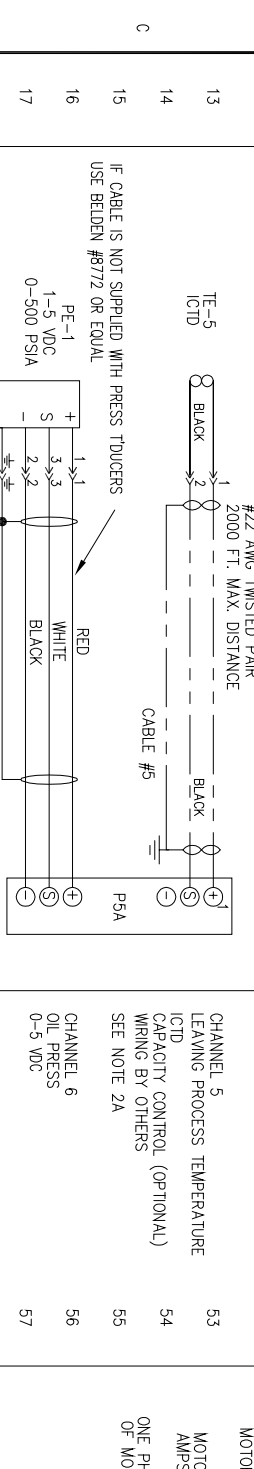
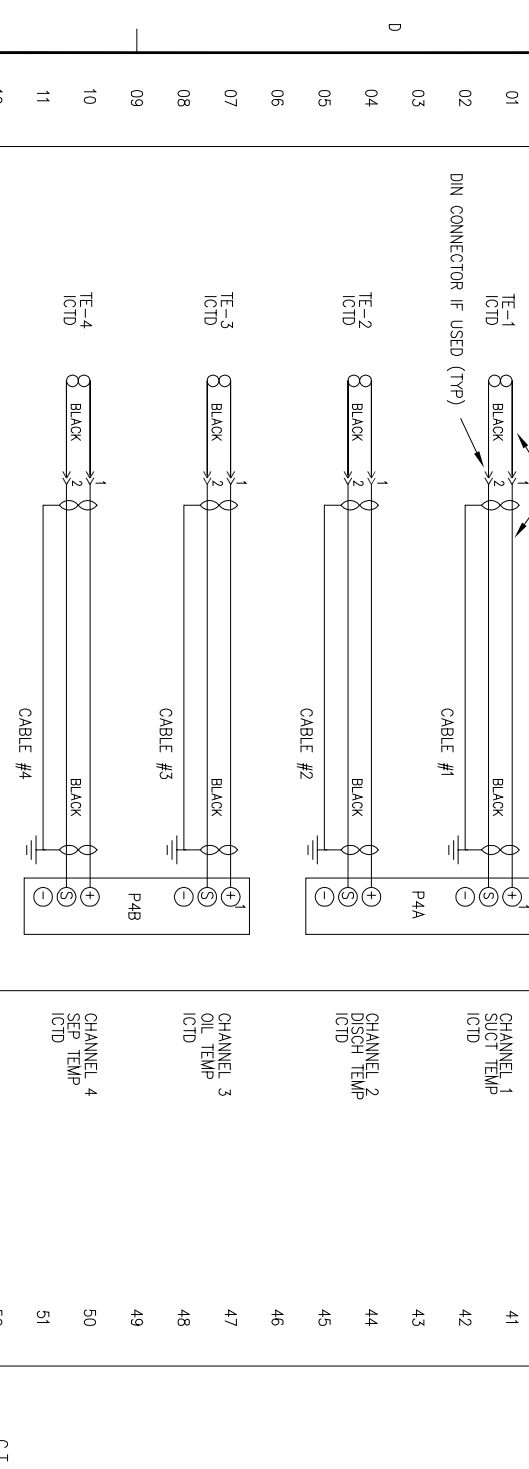
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8	CHANNEL 8 DISCH PRESS 0-5 VDC	0-5 VDC	PRESS	18	WHITE	3	
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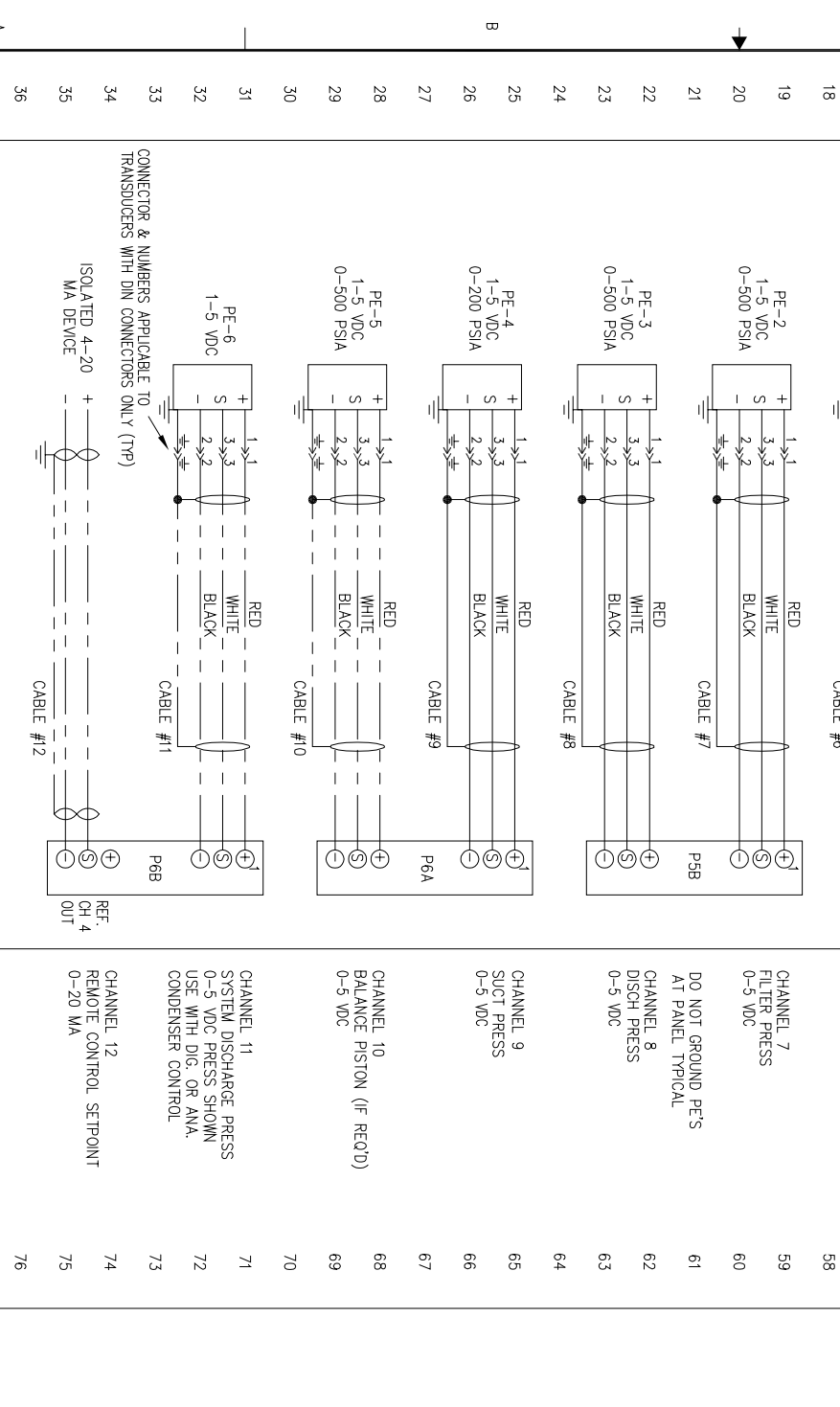
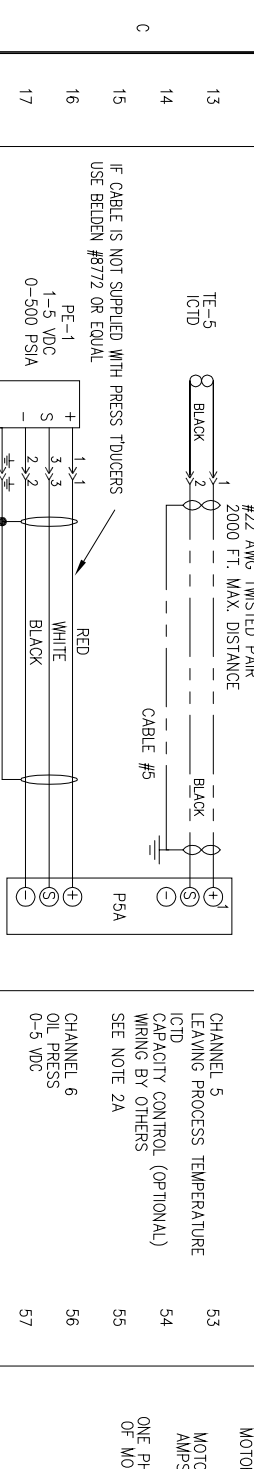
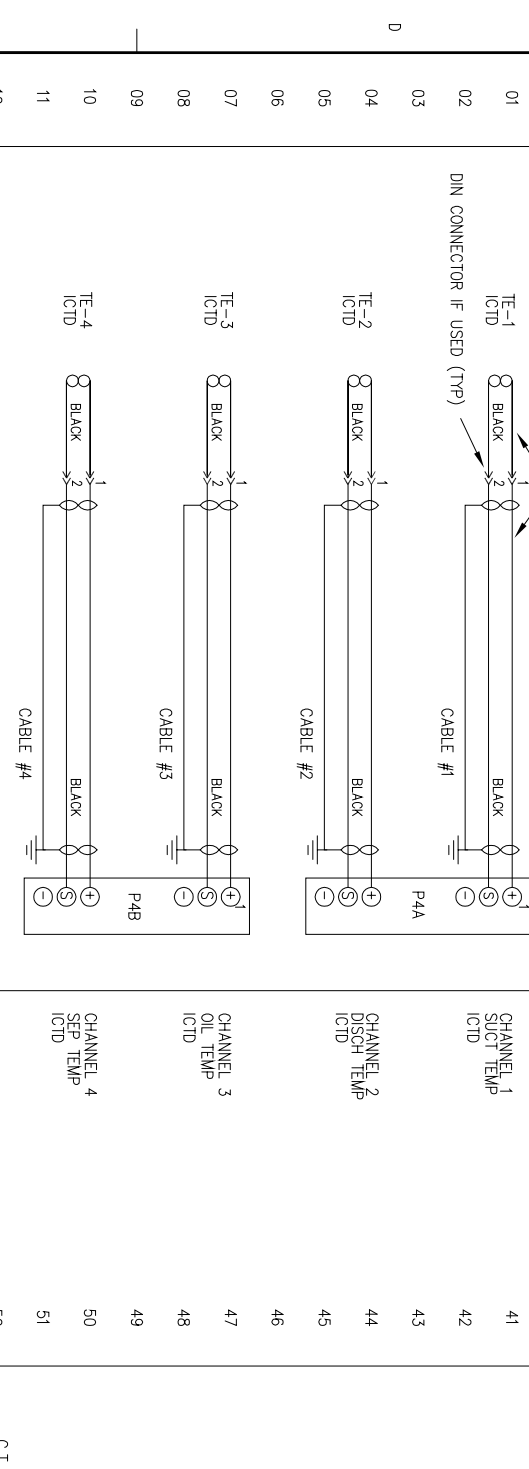
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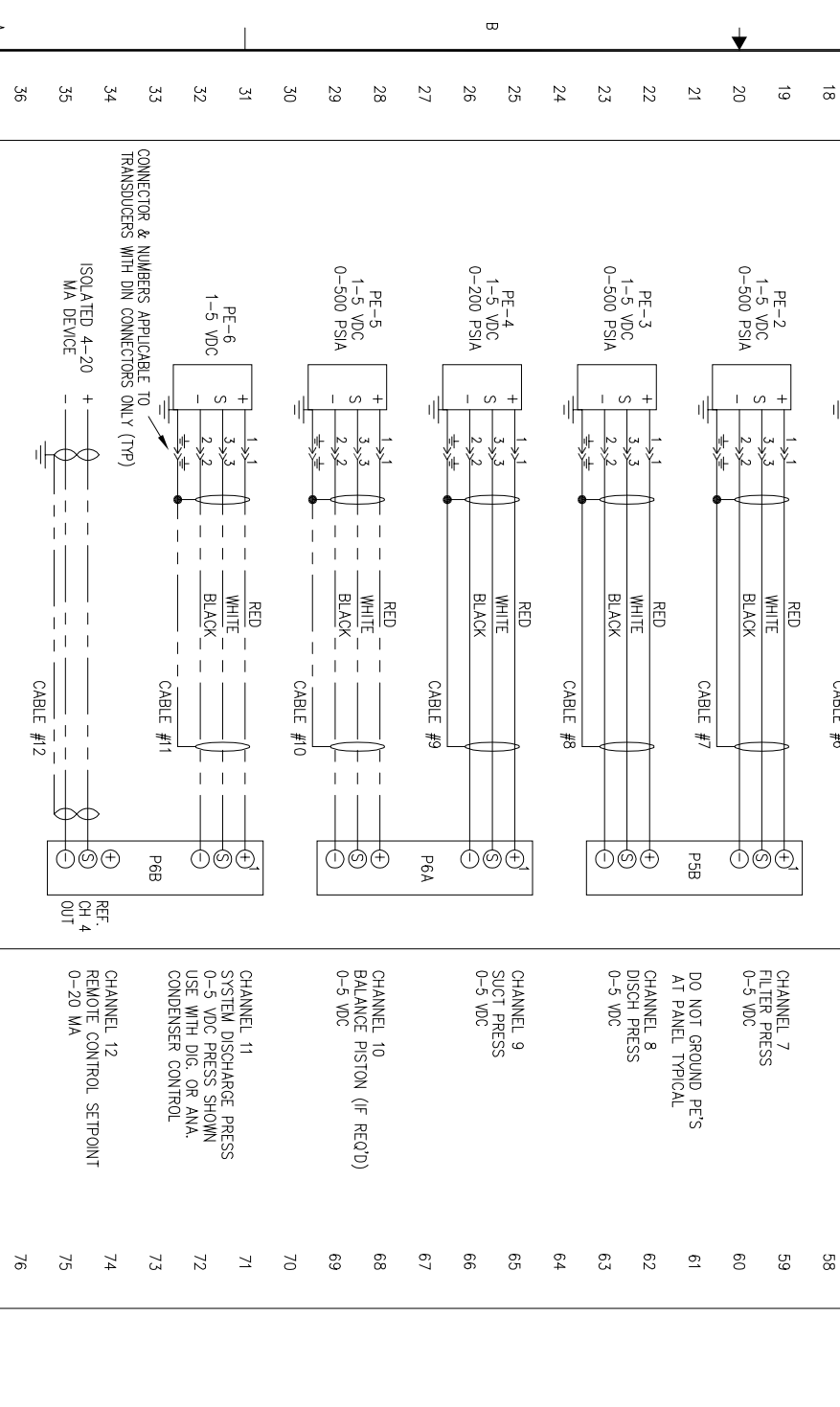
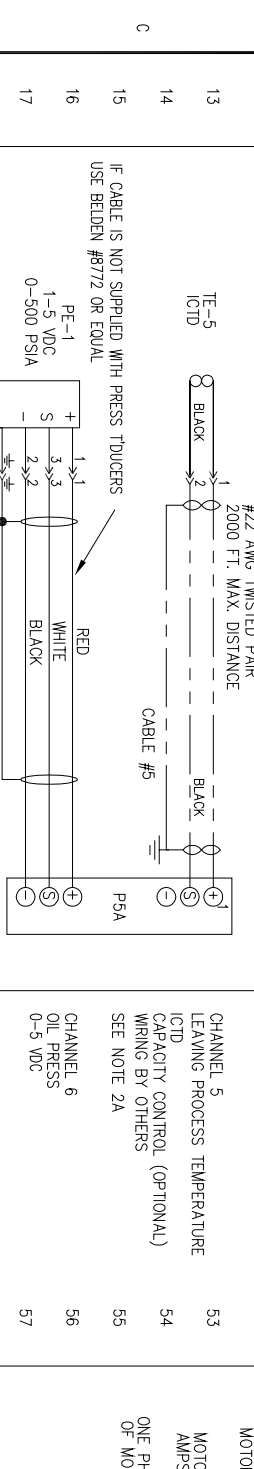
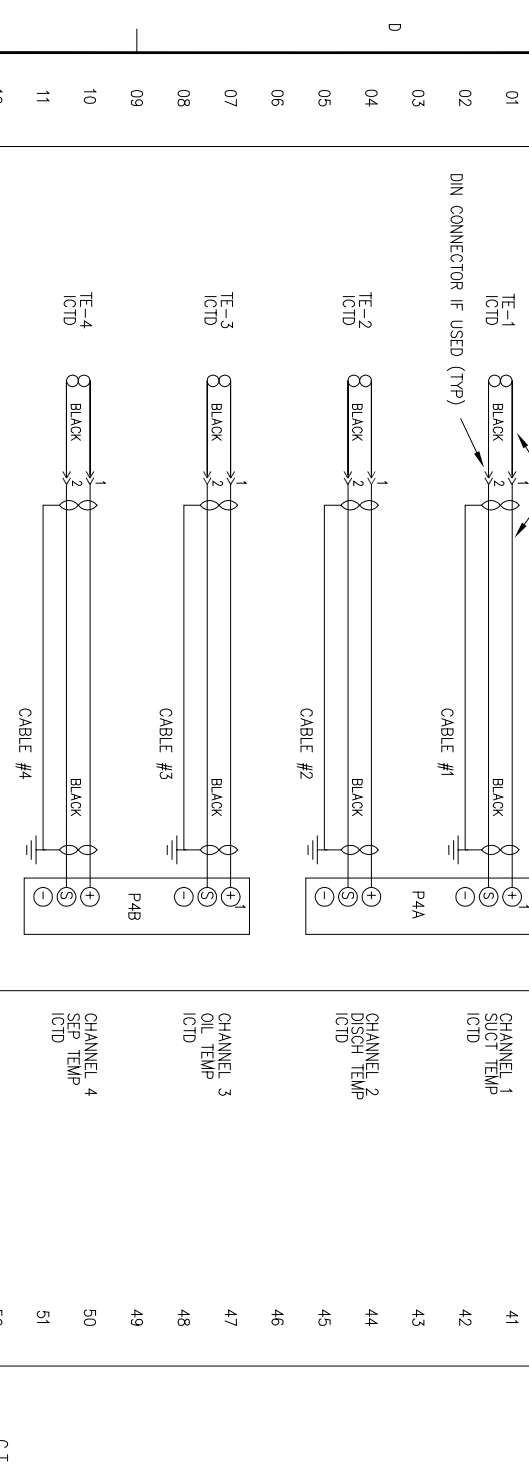
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