

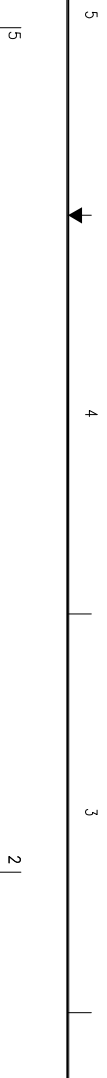
ZONE	REV	ECN	DESCRIPTION	DATE	DR	CHK	APPD

REVISION HISTORY

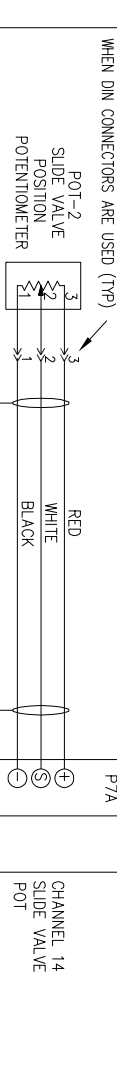
NOTE 1A:  
ALL ANALOG LOW VOLTAGE WIRING TO BE RUN IN SEPARATE CONDUIT FROM ALL OTHER WIRING. ALL DRAIN WIRES TO BE INSULATED EITHER TOGETHER OR SEPARATELY WITHIN 2" OR CLOSER OF TERMINATION IF NOT CONFIRMED OTHERWISE.

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

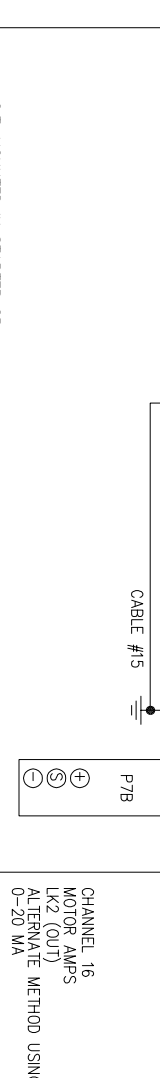
NOTE 3A:  
SPECIFICATIONS FOR TEMPERATURE CAPACITY CONTROL:  
-SETPOINT RANGE: -50°F. TO 100°F.  
-TEMPERATURE ASSEMBLY FOR NON-HAZARDOUS LOCATION (FRICK P/N 639A0151G03 WITH 1/2" NPT OR 639A0151G02 FOR CABLE STRAIN RELIEF -WIRE AS SHOWN IN SEPARATE CONDUIT FROM ALL OTHER WIRING. USE BELDEN #8761 CABLE OR EQUAL



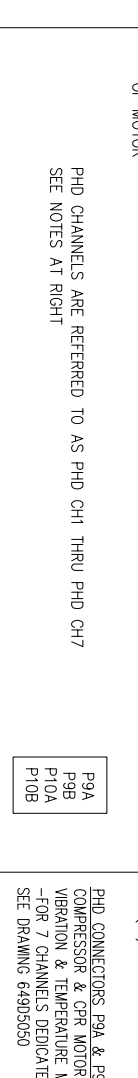
CHANNEL 13  
REMOTE SLIDE VALVE POSITION.  
0-20 MA



CHANNEL 14  
SLIDE VALVE  
POT



CHANNEL 15  
SLIDE STOP  
POT



CHANNEL 16  
MOTOR AMPS  
CUR TRAIL  
SEE QUANTUM IOM MANUAL  
FOR C.T. WIRE SIZING TO MOTOR  
LK2 (IN)  
OR  
PHD CONNECTORS, P9A & P9B  
COMPRESSOR & GPR MOTOR  
VIBRATION & TEMPERATURE MONITORING  
-FOR 7 CHANNELS DEDICATED TO PHD  
SEE DRAWING 649D5050



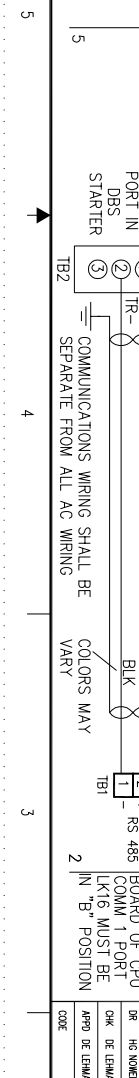
CHANNEL 1 (EZ COOL PID LOOP IF REQ'D)  
PID LOOP OR  
PROGRAMMABLE SELECTABLE OUTPUT  
TO RE-TRANSMIT ANALOG INPUT  
4-20 MA



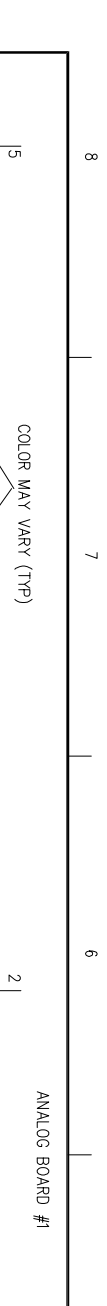
CHANNEL 2  
PROGRAMMABLE SELECTABLE OUTPUT  
TO RE-TRANSMIT ANALOG INPUT  
4-20 MA



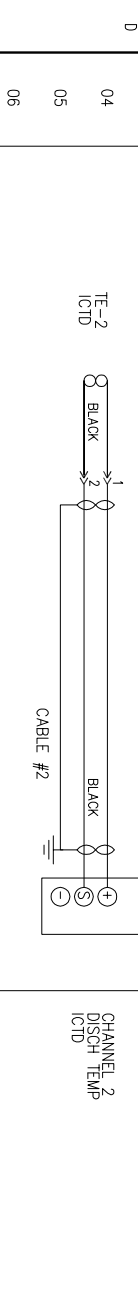
CHANNEL 3  
PROGRAM SELECTABLE OUTPUT  
TO RE-TRANSMIT ANALOG INPUT  
SLIDE VALVE POSITION/CAPACITY  
4-20 MA



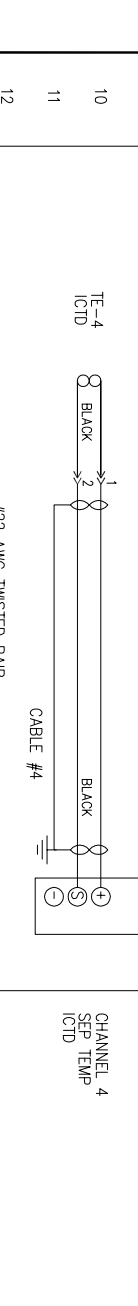
CHANNEL 4  
REMOTE CONTROL  
SETPPOINT  
4-20 MA



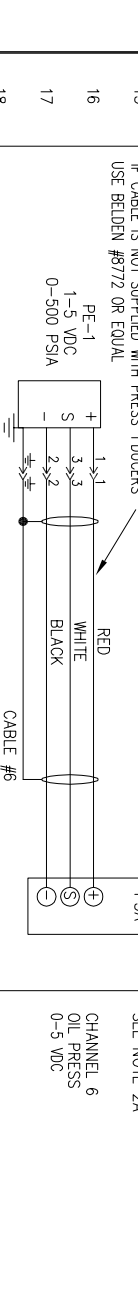
CHANNEL 1  
SUCT TEMP  
ICTD



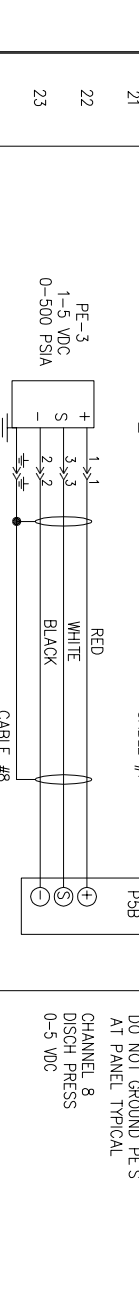
CHANNEL 2  
DISCH TEMP  
ICTD



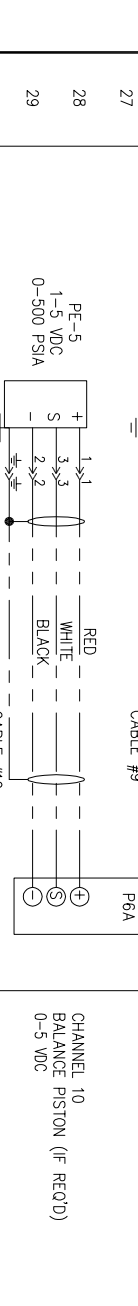
CHANNEL 3  
OIL TEMP  
ICTD



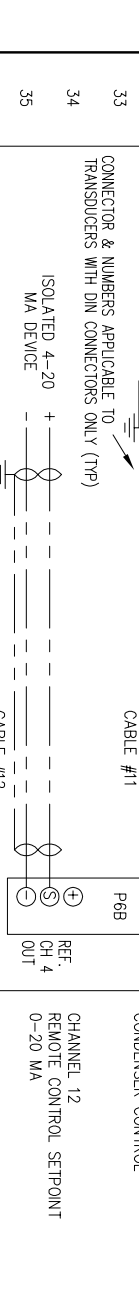
CHANNEL 4  
SEPS TEMP  
ICTD



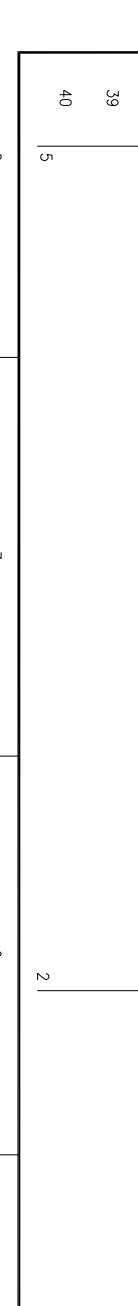
CHANNEL 5  
LEAVING PROCESS TEMPERATURE  
CAPACITY CONTROL (OPTIONAL)  
WIRING BY OTHERS  
SEE NOTE 2A



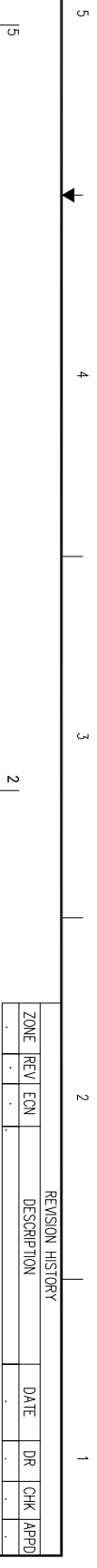
CHANNEL 6  
OIL PRESS  
0-5 VDC



CHANNEL 7  
FILTER PRESS  
0-5 VDC



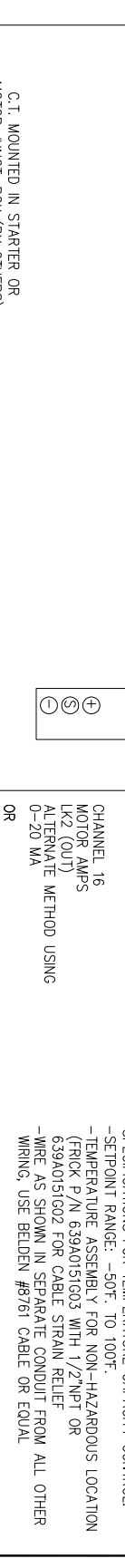
CHANNEL 8  
DO NOT GROUND PE'S  
AT PANEL TYPICAL



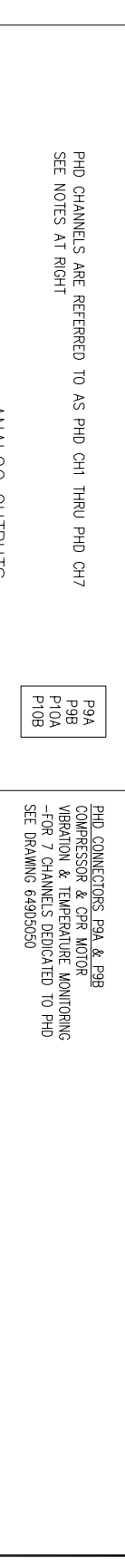
CHANNEL 9  
SUCT PRESS  
0-5 VDC



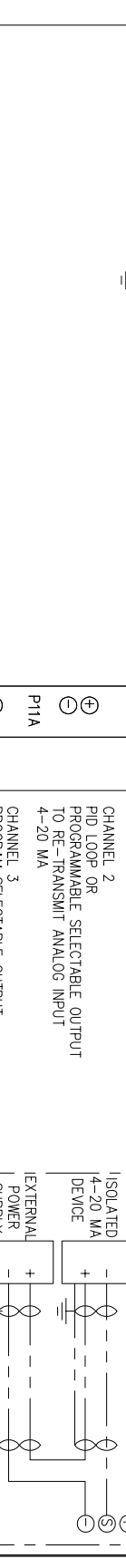
CHANNEL 10  
BALANCE PISTON (IF REQ'D)  
0-5 VDC



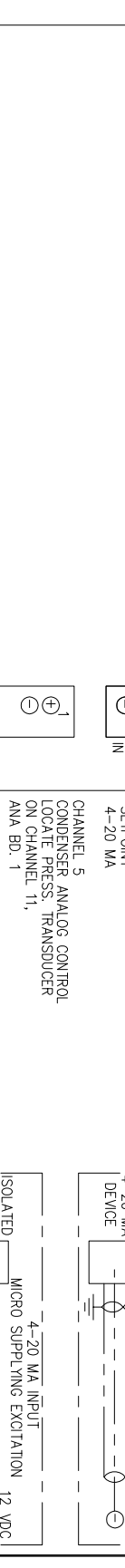
CHANNEL 11  
SYSTEM DISCHARGE PRESS  
0-5 VDC PRESS SHOWN  
USE WITH DIG. OR ANA.  
CONDENSER CONTROL



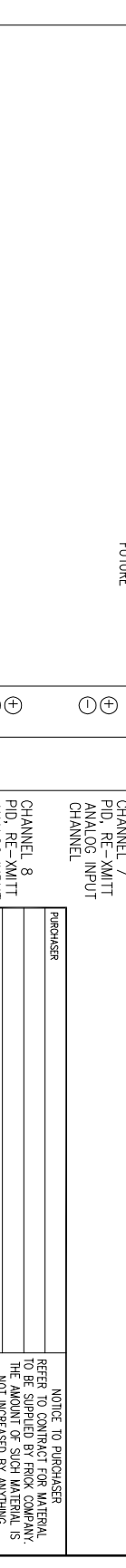
CHANNEL 12  
REMOTE CONTROL SETPOINT  
0-20 MA



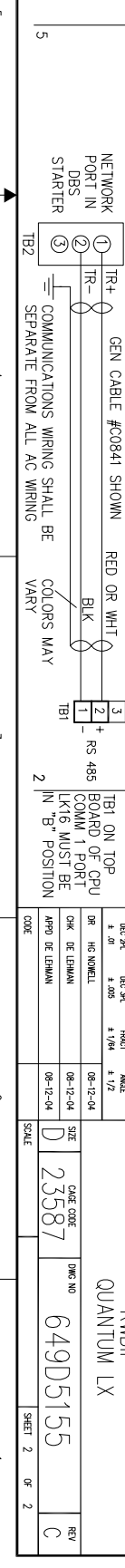
CHANNEL 13  
ISOLATED 4-20  
MA DEVICE



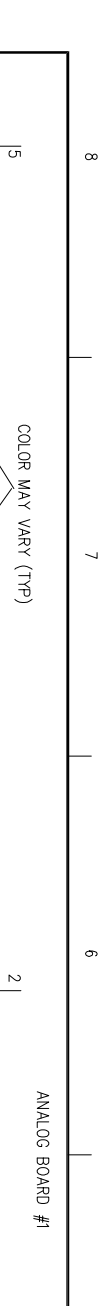
CHANNEL 14  
ISOLATED 4-20 MA  
INPUT



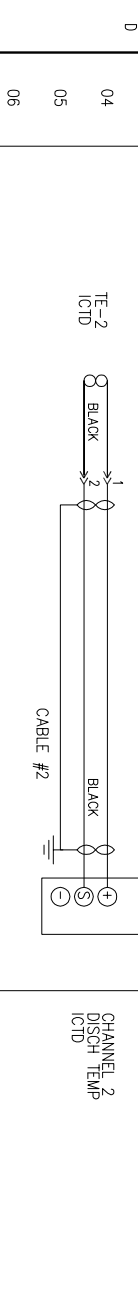
CHANNEL 15  
DEVICE SUPPLYING EXCITATION



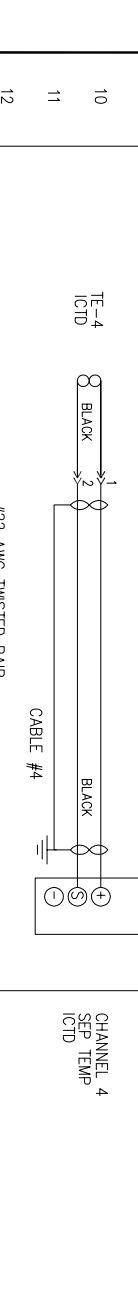
CHANNEL 16  
MICRO SUPPLYING EXCITATION



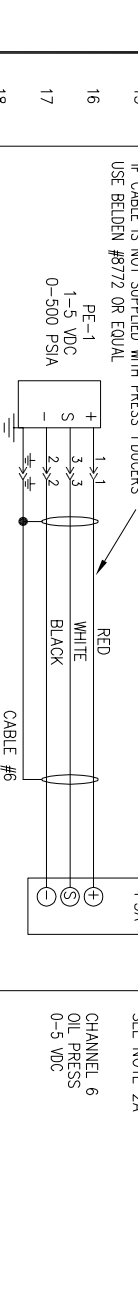
CHANNEL 17  
ISOLATED 4-20 MA  
INPUT



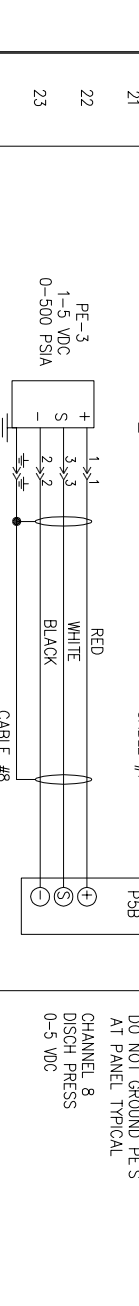
CHANNEL 18  
DEVICE SUPPLYING EXCITATION



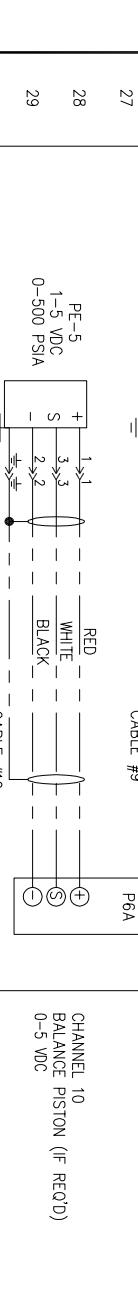
CHANNEL 19  
MICRO SUPPLYING EXCITATION



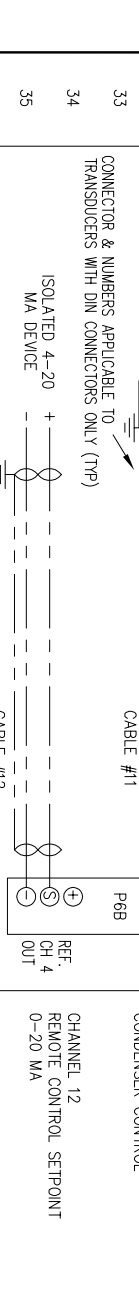
CHANNEL 20  
ISOLATED 4-20 MA  
INPUT



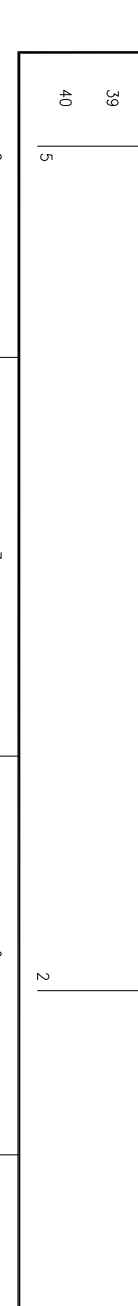
CHANNEL 21  
DEVICE SUPPLYING EXCITATION



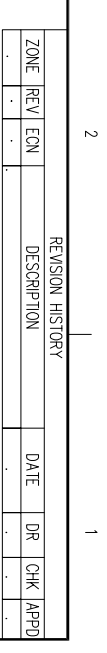
CHANNEL 22  
MICRO SUPPLYING EXCITATION



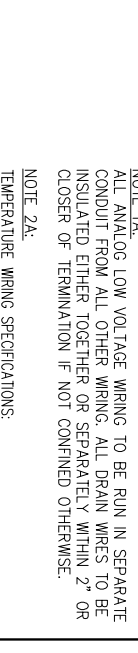
CHANNEL 23  
ISOLATED 4-20 MA  
INPUT



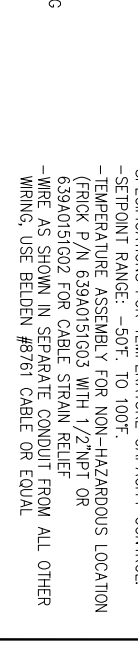
CHANNEL 24  
DEVICE SUPPLYING EXCITATION



CHANNEL 25  
MICRO SUPPLYING EXCITATION



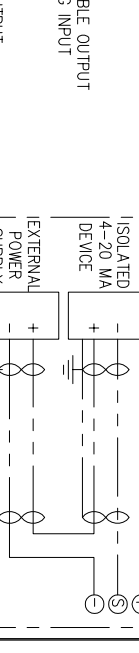
CHANNEL 26  
ISOLATED 4-20 MA  
INPUT



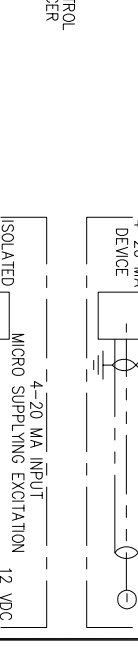
CHANNEL 27  
DEVICE SUPPLYING EXCITATION



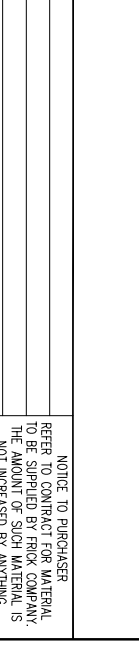
CHANNEL 28  
MICRO SUPPLYING EXCITATION



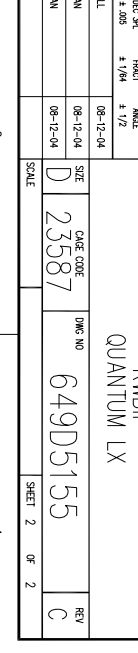
CHANNEL 29  
ISOLATED 4-20 MA  
INPUT



CHANNEL 30  
DEVICE SUPPLYING EXCITATION

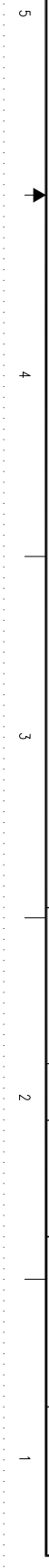


CHANNEL 31  
MICRO SUPPLYING EXCITATION



CHANNEL 32  
ISOLATED 4-20 MA  
INPUT

FRICK ORD NO.	UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	FRICK ORD NO.	UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES
FRICK ORD NO.	UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	FRICK ORD NO.	UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES



CHANNEL 33  
COMMUNICATIONS WIRING WHEN DBS STARTER IS SUPPLIED  
RS 485 COM CABLE-#9841 BELDEN OR EQUAL  
GEN CABLE-#90841 SHOWN  
NETWORK PORT IN DBS STARTER  
COMMUNICATIONS WIRING SHALL BE SEPARATE FROM ALL AC WIRING  
COLORS MAY VARY



CHANNEL 34  
DBS STARTER



CHANNEL 35  
REMOTE CONTROL SETPOINT  
0-20 MA



CHANNEL 36  
ISOLATED 4-20 MA  
DEVICE



CHANNEL 37  
REMOTE CONTROL SETPOINT  
0-20 MA



CHANNEL 38  
ISOLATED 4-20 MA  
DEVICE



CHANNEL 39  
REMOTE CONTROL SETPOINT  
0-20 MA



CHANNEL 40  
ISOLATED 4-20 MA  
DEVICE



CHANNEL 41  
REMOTE SLIDE VALVE POSITION.  
0-20 MA



CHANNEL 42  
SLIDE VALVE  
POT



CHANNEL 43  
SLIDE STOP  
POT



CHANNEL 44  
MOTOR AMPS  
CUR TRAIL  
SEE QUANTUM IOM MANUAL  
FOR C.T. WIRE SIZING TO MOTOR  
LK2 (IN)  
OR  
PHD CONNECTORS, P9A & P9B  
COMPRESSOR & GPR MOTOR  
VIBRATION & TEMPERATURE MONITORING  
-FOR 7 CHANNELS DEDICATED TO PHD  
SEE DRAWING 649D5050



CHANNEL 45  
PID LOOP OR  
PROGRAMMABLE SELECTABLE OUTPUT  
TO RE-TRANSMIT ANALOG INPUT  
4-20 MA



CHANNEL 46  
PROGRAMMABLE SELECTABLE OUTPUT  
TO RE-TRANSMIT ANALOG INPUT  
4-20 MA



CHANNEL 47  
PROGRAM SELECTABLE OUTPUT  
TO RE-TRANSMIT ANALOG INPUT  
SLIDE VALVE POSITION/CAPACITY  
4-20 MA



CHANNEL 48  
REMOTE CONTROL  
SETPPOINT  
4-20 MA

