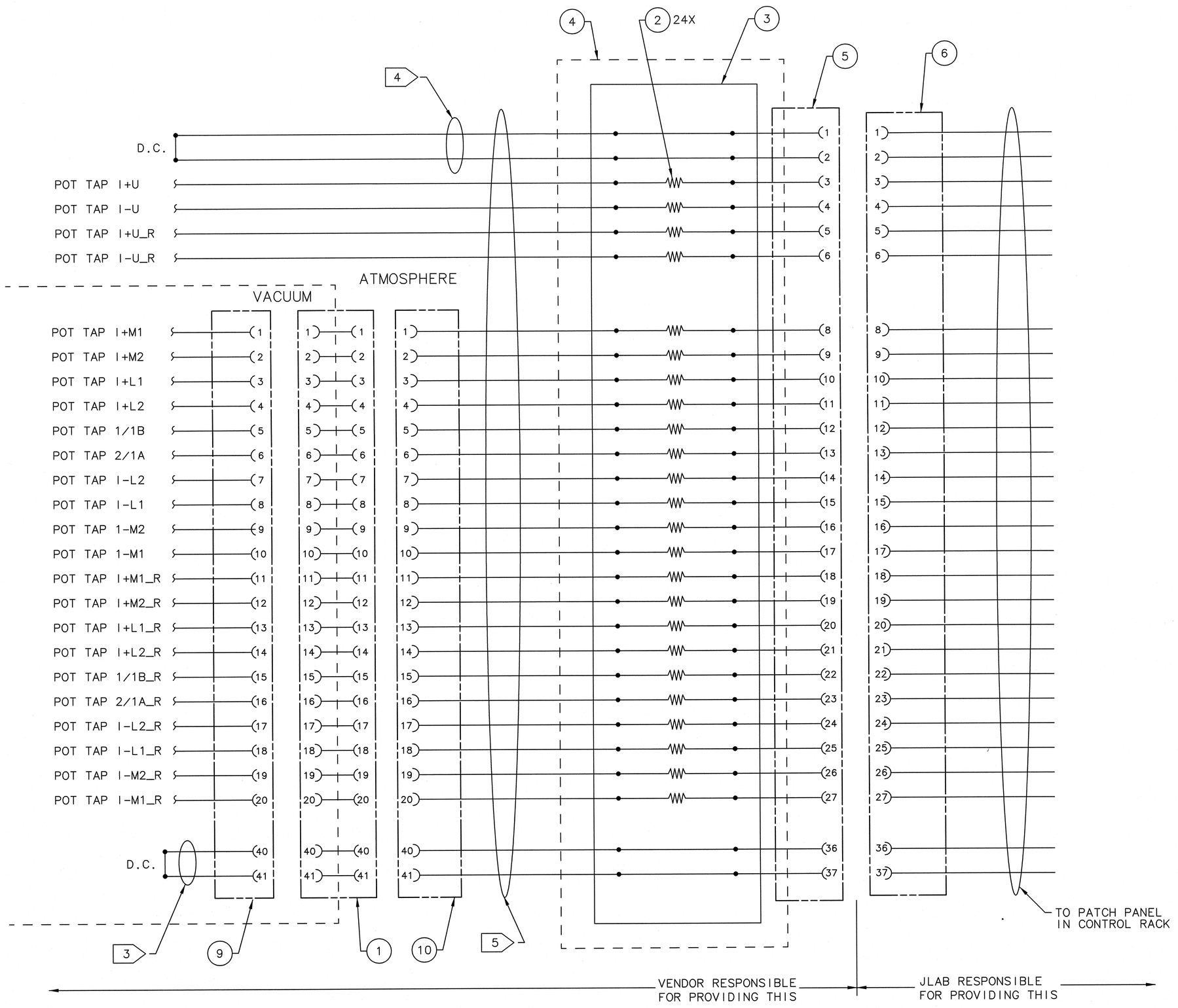
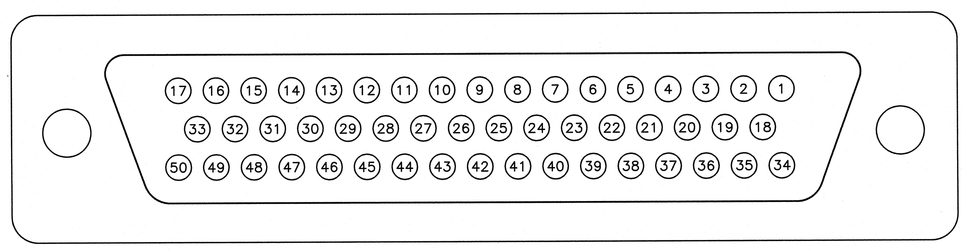
REVISION HISTORY				
ZONE	REV	DESCRIPTION	DATE	APPROVED
-	A	ADDED: ITEMS 5 THRU 10, QTY REQD FOR EACH MAGNET, CONNECTOR PINOUT VIEWS, NOTES. ALTERED SCHEMATIC FOR ALL MAGNETS.	9/27/10	VATTELANA
	B	1. REVISED WIRE NUMBERING ON ALL PAGES.	06/17/11	FURCHES

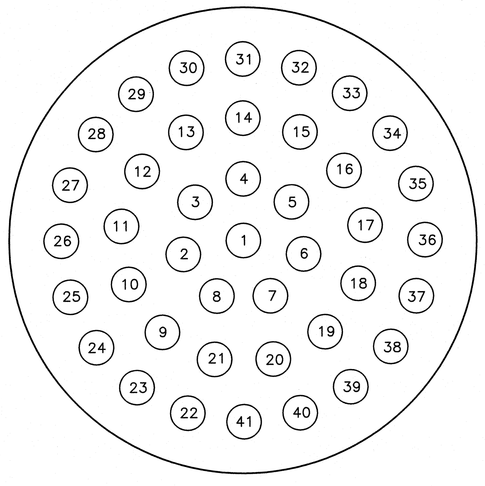


BENDER POTENTIAL TAPS

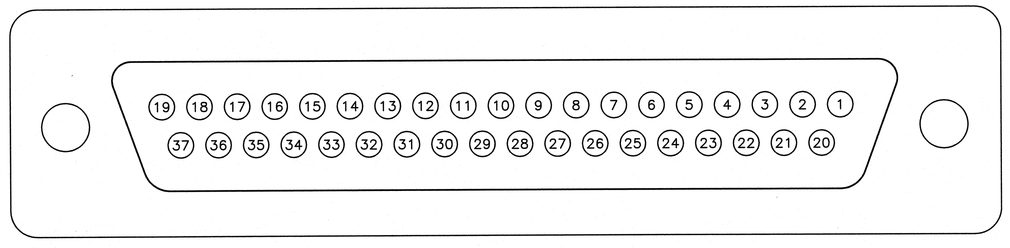
1. ENCLOSURE SHALL BE SUITABLE FOR WET/ICING ENVIRONMENT AND SHALL BE SUFFICIENTLY "WATERPROOFED" TO PREVENT MOISTURE FROM ENTERING WITHIN.
2. FOR Q2 AND Q3 MAGNET ELECTRICAL CONNECTIONS, IT IS THE VENDORS OPTION TO UTILIZE ONE ENCLOSURE AND RESISTOR BOARD IN LIEU OF TWO.
3. PINOUTS 40 AND 41 IN CONNECTOR, ITEM 9, ARE TO BE USED FOR DISCONNECTED CABLE INTERLOCK SIGNAL. USE 20 AWG WIRE TO JUMPER CONNECTIONS.
4. JOIN PINS 1 AND 2 IN CABLE (THEY ARE TO BE USED FOR DISCONNECTED CABLE INTERLOCK SIGNAL).
5. VENDOR HAS OPTION FOR ADDITIONAL CONNECTORS.
6. VENDOR HAS OPTION TO UTILIZE PCB MOUNT CONNECTOR.



CONNECTOR PINOUT FOR ITEM 7 (FEMALE)
FRONT VIEW
NOT TO SCALE



CONNECTOR PINOUT FOR ITEM 9
REAR VIEW (SOLDER SIDE)
NOT TO SCALE



CONNECTOR PINOUT FOR ITEM 5 (FEMALE)
FRONT VIEW
NOT TO SCALE

QTY REQD BENDER	QTY REQD Q1	QTY REQD Q2	QTY REQD Q3	QTY REQD DIPOLE	SPEC REQD	ITEM NO.	PART OR IDENTIFYING NO.	NOMENCLATURE OR DESCRIPTION	MATERIAL SPECIFICATION	NOTES
1	1	2	2	1	/	10	KURT J. LESKER CO FTAC1R41AS OR EQ	CONNECTOR, 41 PIN INSTM, AIR SIDE	-	-
1	1	2	2	1	/	9	KURT J. LESKER CO FTAC1R41V OR EQ	CONNECTOR, 41 PIN INSTM, VACUUM SIDE	-	-
-	-	2	2	1	/	8	-	CONNECTOR, DD-50 PIN MALE-W/MECH FASTENING	GOLD PLATED CONTACTS	-
-	-	2	2	1	/	7	-	CONNECTOR, DD-50 PIN FEMALE-W/MECH FASTENING	GOLD PLATED CONTACTS	6
1	1	-	-	-	/	6	-	CONNECTOR, DC-37 PIN MALE-W/MECH FASTENING	GOLD PLATED CONTACTS	-
1	1	-	-	-	/	5	-	CONNECTOR, DC-37 PIN FEMALE-W/MECH FASTENING	GOLD PLATED CONTACTS	6
1	1	2	2	1	/	4	-	ENCLOSURE, NEMA STD 250 TYPE 4X	ALUMINUM	2 & 7
1	1	2	2	1	/	3	-	RESISTOR BOARD	-	2
24	32	80	80	40	/	2	-	RESISTOR- 200k OHMS 1/4 WATT	-	-
1	1	2	2	1	/	1	KURT J. LESKER CO IFDRG417013A OR EQ	CF FLANGE, DOUBLE-ENDED WITH 1kV 41 PIN CONNECTOR	-	-

PARTS LIST

EACH SHEET OF MULTI-SHEET DRAWINGS SHALL ALWAYS HAVE THE SAME REVISION LEVEL.

DOCUMENT CONTROL STAMP

MATERIAL: SEE PARTS LIST

FINISH MACHINED SURFACES: NA — UNLESS OTHERWISE NOTED
DEBURR & BREAK ALL SHARP EDGES

DO NOT SCALE DRAWING

DIM & TOL PER ASME Y14.5. UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES
TOLERANCES ARE:
FRACTIONS ± N/A
DECIMAL .X ±.1, .XX ±.01, .XXX ±.005
ANGLES ±.50°

THIRD ANGLE PROJECTION

TRACKING NO. N/A

APPROVALS	DATE
DRAWN FURCHES	05/13/08
CHECKED MIKE FOWLER	5/17/10
APPROVED STEVE LASSITER	5/17/10
APPROVED PAUL BRINDZA	5/17/10

United States Department of Energy — Jefferson Lab, Operated by Jefferson National Accelerator Facility — Newport News Virginia

HALL C
SHMS ASSY MAGNET AND CURRENT LEAD POTENTIAL TAPS
ELECTRICAL CONNECTIONS SCHEMATIC

SIZE E — DWG. NO. 67125-E-00111 — REV. B

SCALE NOTED — USED ON ASSY NO. 67125-00100 — SHEET 1 OF 5