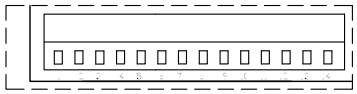
Revision Table					
REV	ZONE	DESCRIPTION	DATE	REV'D BY	APP'D BY
X1		PROTOTYPE	05/05/2016	J.Z.	

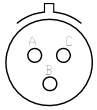
NOTES:

1. FOR WIRING, FOLLOW WIRING TABLE AND "SEISMIC STATION AC HIGH POWER SYSTEMS BLOCK DIAGRAM".
2. SOLDER WIRES TO CONNECTORS ITEM 14 - 20 AND COVER SOLDER JOINT WITH HEATSHRINK TUBING (ITEM 68); CUT ITEM 25 AND 26 TO THE LENGTH AS NEEDED.
3. INSTALL CONNECTORS ITEM 14-20 TO THE BOX; ATTACH ITEM 5, 33, 44, 45 AND 46 TO MODULES AS SHOWN; INSTALL COAX ASSY ITEM 35 THAT TNC END TO BOX, SMA END TO "Antenna" AT THE CELL MODEM POWER (ITEM 47).
4. CRIMP TWO TERMINAL RINGS (ITEM 48) ON WIRE (ITEM 49), 12" LONG, AND INSTALL TO THE BOX AS SHOWN IN DETAIL A.
5. ATTACH TIE-WRAP MOUNT ITEM 42 (12 PLACES) AS SHOWN.
6. APPLY TIE-WRAP (ITEM 43) TO SECURE WIRING AS NEEDED, SECURE TEMPERATURE PROBE INTERNAL (ITEM 6) TO AVOID CONTACTING TO METAL OF BOX.
7. SECURE WIRES WITH CABLE TIE ABOVE THE BATTERY BOX.
8. CUT OFF UNUSED WIRES ON BOTH SIDES OF CABLE (ITEM 69), TERMINATE THE CABLE SHIELD TO BACK SHELL OF CONNECTOR ITEM 19.
9. FOR CONNECTOR "AC INPUT" ITEM 14, CRIMP AND SOLDER THE CONTACTS , CONNECT THE GROUND WIRE TO AND SEPARATE FROM OTHER WIRES AT GROUND BAR.

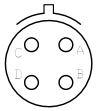
DETAIL A



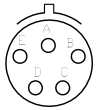
DETAIL B



VIEW C

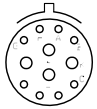


VIEW D

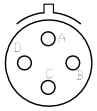


VIEW E

VIEW F

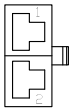


VIEW G

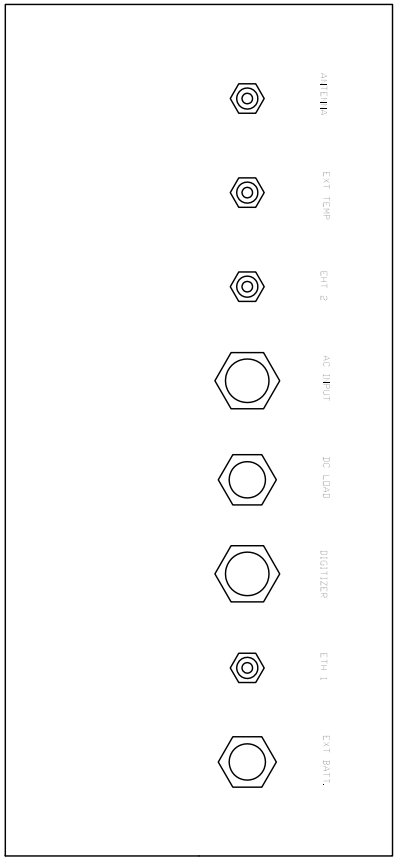


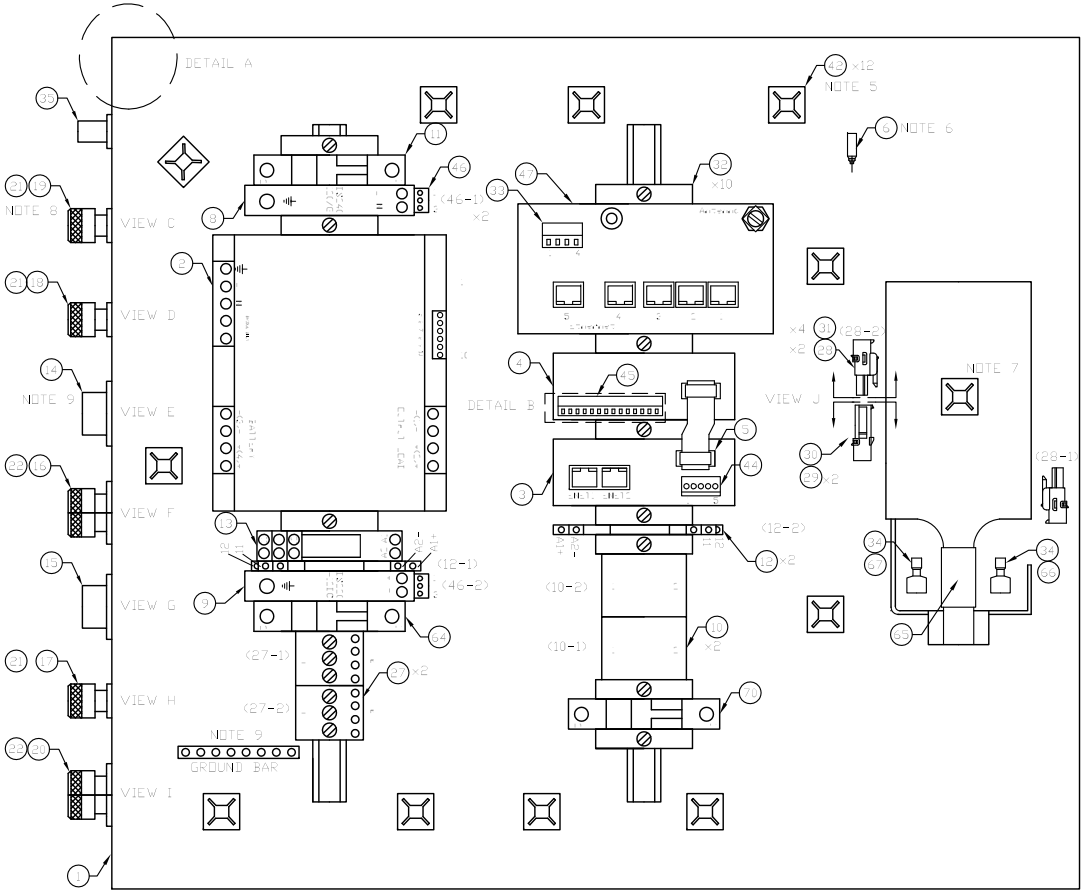
VIEW H

VIEW I



VIEW J





Tolerance Notes	
1	Unless otherwise specified dimensions are in INCHES.
2	All tolerances apply after brazing
3	Coarse applies if tolerance not specified
4	Angles ±1°

THIRD ANGLE PROJECTION

General Tolerance

x=Dimension, in	x >0.031 x <0.125	x > 0.125 x < 0.250	x > 0.250 x < 1.062	x > 1.062 x < 4.750	x > 4.75 x < 12.0	x > 12.0 x < 36.0	x > 36.0 x < 72.0
Fine	±0.002	±0.002	±0.004	±0.006	±0.008	±0.012	±0.02
Medium	±0.004	±0.004	±0.008	±0.012	±0.020	±0.030	±0.05
Coarse	...	±0.008	±0.020	±0.030	±0.050	±0.080	±0.12

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TITLE: AC High Power System

Drawn	J. ZHONG
Date	05/05/2016
Checked	
Date	

DWG SIZE	SCALE	DWG No.	REV	SHT
B	N/A	AC High PWR SYS	X1	1 OF 3