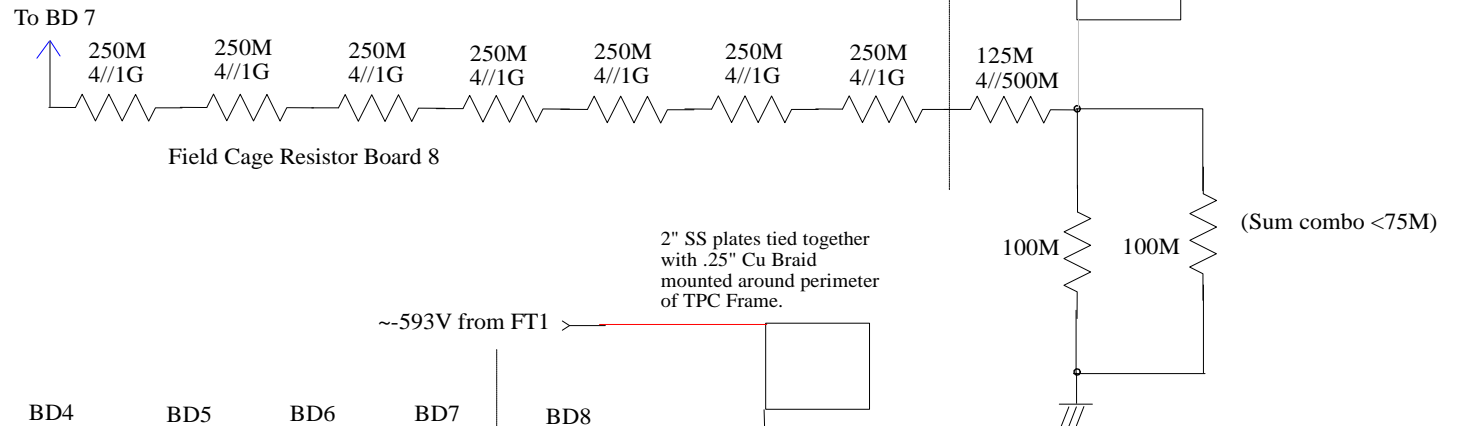
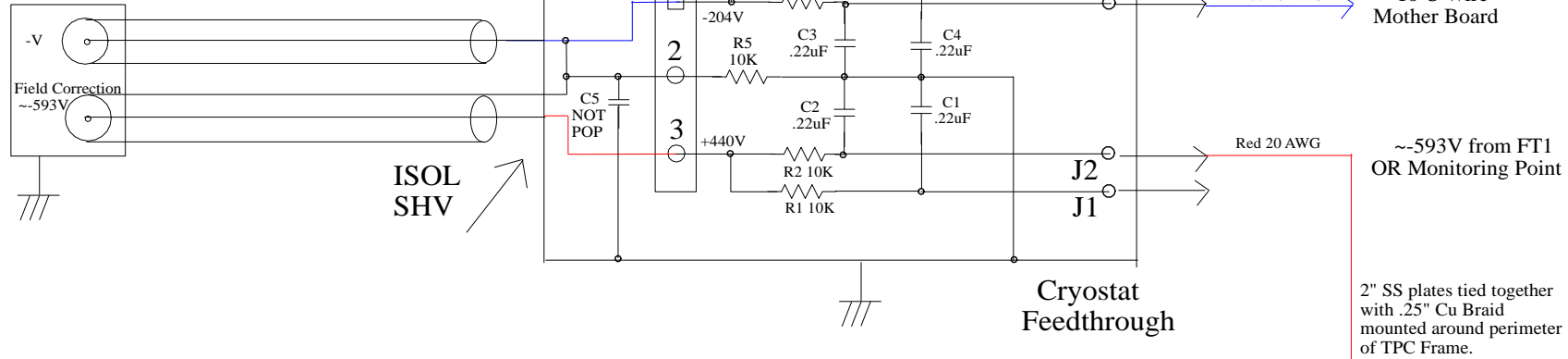


Field Adjust/Field Cage Monitor Feedthrough 1 (U)

Kiethley Source Meter
OR
Wiener HV Field Adjust
for Pick-Off



Drift HV
(Cathode)
-150kV

Field Cage Resistor Boards

BD1, BD2: 8 sets of 2 // Metallux HVR 969.23, 499M
249.5M*8=1.996G each board
+ 3 series Panasonic ERZ-v14D182 Varistors // with resistors.

BD3-BD4: 8 sets of 4 // Ohmite Slim-Mox 104E, 1G
250M*8=2G
+ 3 series panasonic ERZ-v14D182 Varistors // with resistors.

BD5-BD7: 8 sets of 4 // Ohmite Slim-Mox 104E, 1G
250M*8=2G

BD8: 7 sets of 4 // Ohmite Slim-Mox (1G) + 4 // Slim Mox (500M) + 2 // Slim Mox (100M)
BD8 Total R= 1.75G+125M+50M= 1.925G

Total Field Cage R= 2(1.996G)+5(2G)+1.925G=15.917G Ohms

~593V from FT1

2" SS plates tied together
with .25" Cu Braid
mounted around perimeter
of TPC Frame.

Connection from SS
to BD8 via Sn/Cu braid.

Connection to TPC frame
via Sn/Cu braid.

ITEM	PART NO.	DESCRIPTION OR SIZE	QTY.
PARTS LIST			
UNLESS OTHERWISE SPEC.	ORIGINATOR	BNL-Chen/Bo	03.12.13
FRACTIONS DECIMALS ANGLES	DRAWN	BAGBY	2.14.18
XX XXX	CHECKED		
	APPROVED		
USED ON			
MATERIAL-			
FERMI NATIONAL ACCELERATOR LABORATORY UNITED STATES DEPARTMENT OF ENERGY			
MicroBooNE Experiment Field Cage Bias Adjust Field Cage Monitor			
SCALE	SHEET NO.	DRAWING NUMBER	REV.
	1		A