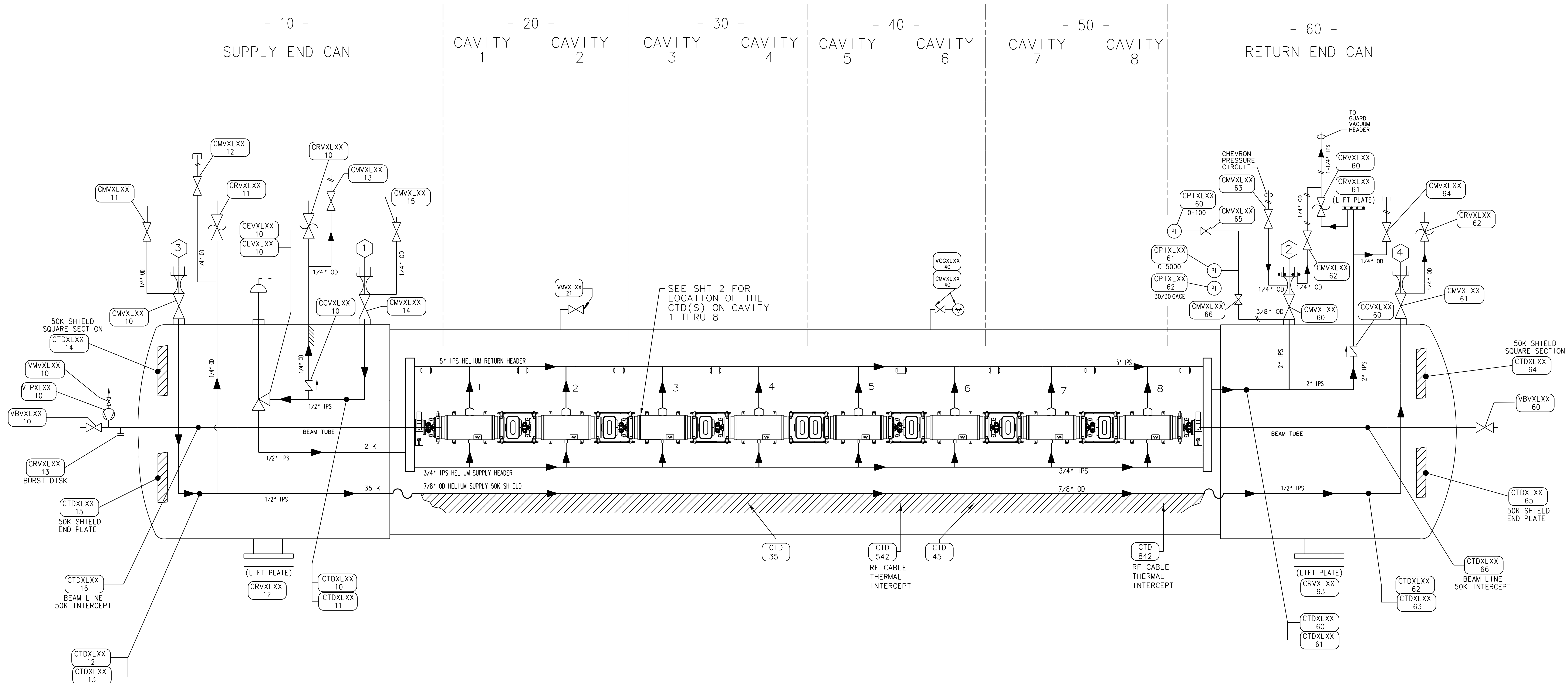




NOTE :

O. P. = OPERATING PRESSURE
S. P. = SET POINT

LEGEND

CCV	= CHECK VALVE	(2)
CEV	= ELECTRIC VALVE	
CLV	= LVDT	(3)
CMV	= CRYOGENIC MANUAL VALVE	
CPI	= PRESSURE INDICATOR	(4)
CRV	= RELIEF VALVE	
CTD	= DIODE THERMOMETER	
VBV	= BEAM VALVE	
VCG	= COLD CATHODE GAUGE	
VIP	= ION PUMP	
VMV	= VACUUM MANUAL VALVE	
CHR	= HEATER (TBD)	
CLL	= LIQUID LEVEL (TBD)	
RDE	= ARC DETECTOR (SH 2)	
RDR	= TUNER DRIVE MOTOR (TBD)	
RFP	= FLUID PROBE (TBD)	
RHO	= HIGH ORDER MODE (TBD)	
RIR	= INFRARED DETECTOR (SH 2)	
RLS	= LIMIT SWITCH (TBD)	
RPZ	= PIEZO LINEAR ACTUATOR (TBD)	

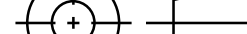
- ```

① PRIMARY He INLET ---- O. P. = 2.8 atm
② PRIMARY GHe OUTLET -- O. P. = .031 atm
③ SHIELD GHe INLET ---- O. P. = 3.6 atm
④ SHIELD GHe OUTLET --- O. P. = 3.6 atm
CRVXLXX10 ----- S. P. = 20 atmG
CRVXLXX11 ----- S. P. = 10 atmG
CRVXLXX13 ----- S. P. = 1.7 atmG (RUPTURE DISC)
CRVXLXX60 ----- S. P. = 1.2 atm (DIFFERENTIAL)
CRVXLXX62 ----- S. P. = 20 atmG
CRVXLXX61 ----- S. P. = 3.1 atmG (LIFT PLATE)
CRVXLXX12 ----- S. P. = 1.1 atmG (LIFT PLATE)
3D) CRVXLXX63 ----- S. P. = 1.1 atmG (LIFT PLATE)

```

NOTES:

1. CRYOMODULE WIRING DIAGRAM:  
CRM-120-7030-1001-----
2. END CAN FLOW SCHEMATIC:  
115300-1059E-----
3. END CAN WIRING DIAGRAM:  
CRM-120-8020-0040
4. VOLUME vs LIQUID LEVEL READBACK  
CRM1207001-1000-----

|                                                                                                                                                                                                                                   |  |                                                                                       |      |                                                                                                                                                                          |  |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|---------------------------------------------------------------------------------------|------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| DOCUMENT CONTROL STAMP                                                                                                                                                                                                            |  | EACH SHEET OF MULTI-SHEET DRAWINGS SHALL ALWAYS HAVE THE SAME REVISION LEVEL.         |      | TRACKING NO. N/A<br>United States Department of Energy<br><b>Jefferson Lab</b><br><small>Thomas Jefferson National Accelerator Facility</small><br>Newport News Virginia |  |
| DTW & TOL PER ASME Y14.5<br>UNLESS OTHERWISE SPECIFIED<br>DIMENSIONS ARE IN INCHES<br>TOLERANCES ARE:<br>DECIMALS: $\pm .010$<br>FRACTIONS: $\pm \frac{1}{32}$<br>ANGLES: $\pm .50^\circ$<br>$\frac{X}{Y} = \frac{X}{Y} \pm .005$ |  | APPROVALS                                                                             | DATE | CRM<br>C100 CRYOMODULE<br>CAVITY STRING / PROTOTYPE<br>INSTRUMENTATION AND FLOW SCHEMATIC                                                                                |  |
| MATERIAL                                                                                                                                                                                                                          |  | THIRD ANGLE PROJECTION                                                                |      | DRAWN: M. HOWARD 29001.0<br>CHECKED: J. HENRY 05JUN2004<br>APPROVED: J. HENRY 05JUN2004                                                                                  |  |
| FINISH UNLESS OTHERWISE NOTED<br>MACHINED SURFACES<br>DEBURR & BREAK ALL SHARP EDGES                                                                                                                                              |  |  |      | SIZE (DWG. NO.)<br><b>E</b> CRM-120-7030-1000<br>SCALE N/A (SEE ASST. NO. CSM-120070-1000) SHEET 1 OF 2                                                                  |  |
| DO NOT SCALE DRAWING                                                                                                                                                                                                              |  | APPROVED: J. HENRY 05JUN2004                                                          |      | REV. —                                                                                                                                                                   |  |

