

Feed Box C 24C352 GFM Serial Numbers		
VCL Leads	SN	
Lead 1-10	3W1111A	
Lead 1-6	3W1111B	
Lead 7-12	3W1125C	
Lead 13-14	3W1125D	
HTS Leads	SN	
1	26	
2	39	
3	40	
4	25	
5	18	
6	33	
MQX1	25M857-10	
MBX1	25M859-03	
MQX2 SN	07	
MBX2 SN	CG-02	
Thermometers	SN	
TT812	X17936	
TT819A	X17912	
TT819B	X17956	
TT831	X17925	
TT890	X17938	
TT813	X17944	

Feed Box C Data Package Per M989 Rev A

LHe Tank

- Heat log and CMTRs for LHe tank
- Weld Filler Metal CMTR (2.1.1.1)
- LHe tank radiographs. (2.1.1.2)
- LHe tank dye penetrant report. (2.1.1.3)
- Charpy Impact test reports (2.1.1.4)
- Lead Chimney straightness. (2.1.4.1)
- Lead Chimney bellows offset. (2.1.4.2 & 2.1.5.1)
- LHe Tank, chimney photos (2.1.5.1)
- MBX1 and MQX1 position (2.1.8). See Final Inspection Report.
- Cold shock. (2.2.2.1)
- Bus duct pressure test. (2.2.2.2)
- Bus duct and LHe tank pressure test together. (2.2.2.3)
- Leak check (2.2.2.5)

Piping and Flex Hoses

- Diameter and wall thickness (2.1.2)
- Weld Filler Metal CMTR (2.1.2)
- Piping assemblies free of obstruction (2.1.3)
- Pipe Clearance (2.1.6)
- Pipe Clearance Photos (2.1.6.1)
- Cold shock. (2.2.1.1)
- Pressure test. (2.2.1.2)
- Leak check. (2.2.1.3)

Top Plate Distortion (2.1.7.1)

MQX2 and MBX2 Instrumentation Lines

- Pressure test MQX2 (2.2.3.1)
- Leak test MQX2 (2.2.3.2)
- Pressure test MBX2 (2.2.3.1)
- Leak test MBX2 (2.2.3.2)

Electrical Tests (LHe tank open)

- Continuity of busses and leads (2.3.1.1)
- Continuity of power leads voltage taps (2.3.1.4)

Electrical Tests (LHe tank closed)

- Hipot in helium power leads and busses. (2.3.2.1)

Electrical Tests MQX2 and MBX2

- Continuity test MQX2 (2.3.3.1)
- Continuity test MBX2 (2.3.3.1)

- Hipot in helium MQX2 (2.3.3.2)
- Hipot in helium MBX2 (2.3.3.2)
- Thermometer sensors
 - Electrical resistance of thermometer sensors. (2.3.1.2 & 2.3.4.1)
 - Thermometer sensors Hipot Test (2.3.4)
- Final Dimensional Inspections (3.1)
 - Position of Talyor Hobson "spheres" (3.1.1)
 - Roll angle of top plate tooling plate. (3.1.2)
 - Q3 flange and pipe positions. (3.1.3)
 - D1 flange and pipe positions. (3.1.4)
 - JC1 jumper flange and pipe positions (3.1.5)
 - JC2 jumper flange and pipe positions. (3.1.5)
- Final Leak Tests and Pressure Tests (3.2)
 - Vacuum Vessel Pressure Test (3.2.1)
 - Vacuum Vessel Leak Test (3.2.2)
 - Leak test of pressurized LHe tank and bus ducts and all other piping with helium to evacuated vacuum vessel. (3.2.3 & 3.2.4)
 - Back fill with nitrogen report. (3.3.1)
 - Ambient pressure and temperature report. (3.3.4)
- Material Reports
 - CMTRs and COCs for remaining material. (See G Box Data Package)
- Copy of final travelers.
- HTS Leads Installation Reports
- GFM Documents
 - HTS leads documentation (Fermi)
 - AMI leads documentation