Feed Box F 24C395 GFM Serial Numbers		
VCL Leads	**SN**	
Lead 1-10	4W00116A	
Lead 1-6	4W00116B	
Lead 7-12	4W00116C	
Lead 13-14	4W00116D	
HTS Leads	**SN**	
1	28	
2	29	
3	31	
4	32	
Bus Duct SN		
25I448-5		
Beam Tube SN		
25I5106-08		
MQX2 SN		
MQX2-4		
Thermometers	SN	
TT812	X17934	
TT819A	X17932	
TT819B	X17935	
TT831	X17931	
TT890	X17942	

Feed Box F Data Package Per M989 Rev A

- [ ] LHe Tank
  - [x] Heat log and CMTRs for LHe tank
  - [x] Weld Filler Metal CMTR (2.1.1.1)
  - [x] LHe tank radiographs. (2.1.1.2)
  - [x] LHe tank dye penetrant report. (2.1.1.3)
  - [x] Charpy Impact test reports (2.1.1.4)
  - [x] Lead Chimney straightness. (2.1.4.1)
  - [x] Lead Chimney bellows offset. (2.1.4.2 & 2.1.5.1)
  - [ ] LHe Tank, chimney photos (2.1.5.1)
  - [x] MQXI position (2.1.8). See Final Inspection Report.
  - [x] Cold shock. (2.2.2.1)
  - [x] Bus duct pressure test. (2.2.2.2)
  - [x] Bus duct and LHe tank pressure test together. (2.2.2.3)
  - [x] Leak check (2.2.2.5)
- [x] Piping and Flex Hoses
  - [x] Diameter and wall thickness (2.1.2)
  - [x] Weld Filler Metal CMTR (2.1.2)
  - [x] Piping assemblies free of obstruction (2.1.3)
  - [x] Pipe Clearance (2.1.6)
  - [x] Pipe Clearance Photos (2.1.6.1)
  - [x] Cold shock. (2.2.1.1)
  - [x] Pressure test. (2.2.1.2)
  - [x] Leak check. (2.2.1.3)
- [x] Top Plate Distortion (2.1.7.1)
- [x] MQX2 Instrumentation Lines
  - [x] Pressure test MQX2 (2.2.3.1)
  - [x] Leak test MQX2 (2.2.3.2)
- [x] Electrical Tests (LHe tank open)
  - [x] Continuity of busses and leads (2.3.1.1)
  - [x] Continuity of power leads voltage taps (2.3.1.4)
- [x] Electrical Tests (LHe tank closed)
  - [x] Hipot in helium power leads and busses. (2.3.2.1)
- [x] Electrical Tests MQX2 and MBX2
  - [x] Continuity test MQX2 (2.3.3.1)
  - [x] Hipot in helium MQX2 (2.3.3.2)
- [x] Thermometer sensors
  - [x] Electrical resistance of thermometer sensors. (2.3.1.2 & 2.3.4.1)

- [x] Thermometer sensors Hipot Test (2.3.4)
- [x] Final Dimensional Inspections (3.1)
  - [x] Position of Talyor Hobson "spheres" (3.1.1)
  - [x] Roll angle of top plate tooling plate. (3.1.2)
  - [x] Q3 flange and pipe positions. (3.1.3)
  - [x] D1 flange and pipe positions. (3.1.4)
  - [x] JC1 jumper flange and pipe positions (3.1.5)
  - [x] JC2 jumper flange and pipe positions. (3.1.5)
- [x] Final Leak Tests and Pressure Tests (3.2)
  - [x] Vacuum Vessel Pressure Test (3.2.1)
  - [x] Vacuum Vessel Leak Test (3.2.2)
  - [x] 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)
  - [x] Back fill with nitrogen report. (3.3.1)
  - [x] Ambient pressure and temperature report. (3.3.4)
- [x] Material Reports
  - [x] CMTRs and COCs for remaining material. (See G Box Data Package)
- [x] Copy of final travelers.
- [x] HTS Leads Installation Reports
- [ ] GFM Documents
  - [ ] HTS leads documentation (Fermi)
  - [x] AMI leads documentation