

REVISION HISTORY		
ZONE	REV	DATE

DESCRIPTION	DATE	APPROVED

LABEL	DESCRIPTION	QTY.	CONNECTOR NO.	DESCRIPTION	REF DWG.	REMARKS
A	TUNER DRIVE	1	J1	20 PIN POWER FEEDTHRU	CRM900300-0022	TUNER DRIVE MOTOR
A	RF CAVITY FIELD PROBE	1	J4	TYPE N		RF FEED BACK
A	TUNER L/S	2	J1	INSTRUMENTATION 25 PIN CONN. TYPE D		TUNER MOTOR LIMIT
A	HOM LOAD	2	J5, J6	TYPE N		COUPLE HOM POWER
A	HEATER	1	J1	20 PIN POWER FEEDTHRU		TEMPERATURE CONTROL
A	CAVITY FLANGE DIODES	2	J2	INSTRUMENTATION 25 PIN CONN. TYPE D		MONITOR CAVITY TEMPERATURE
A	HE VESSEL DIODES	2	J2	INSTRUMENTATION 25 PIN CONN. TYPE D		MONITOR CAVITY TEMPERATURE
A	FPC QC DIODE	2	J2	INSTRUMENTATION 25 PIN CONN. TYPE D		MONITOR TEMP.
B	TEMP SENSOR	1	J3A, J3B	INSTRUMENTATION 10 PIN FEEDTHRU	CRM9008010-1081	BEAMTUBE/LL /SHIELD
B	2K TEMP SENSOR	2	J3A, J3B	INSTRUMENTATION 10 PIN FEEDTHRU		MONITOR HT LDS
B	50K TEMP SENSOR	2	J3A, J3B	INSTRUMENTATION 10 PIN CONN.		MONITOR HT LDS
B	PRESSURE SENSOR	1	J3A, J3B	D 15 PIN		MONITOR MODULE PRESSURE
B	JT ACTUATOR MOTOR	1	J4	BURNDY 5 PIN		JT OPERATOR
B	JT ACTUATOR L/D1	1	J5	AMPHENOL 6 PIN		MONITOR JT VALVE
B	LIQUID LEVEL PROBE	2	J8	INSTRUMENTATION 10 PIN FEEDTHRU		MONITOR LIQUID LEVEL
C	JT ACTUATOR MOTOR	2	J4	BURNDY 5 PIN		JT OPERATOR
C	JT ACTUATOR L/D1	2	J5	AMPHENOL 6 PIN		MONITOR JT VALVE
C	2K TEMP SENSOR	2	J1	INSTRUMENTATION 10 PIN FEEDTHRU		MONITOR HT LDS
C	50K TEMP SENSOR	2	J2	INSTRUMENTATION 10 PIN FEEDTHRU		MONITOR HT LDS
D	VACUUM GAUGE	2	TBD	SHV	XXXXXXXXXX-XXXX	MONITOR VACUUM
D	ARC DETECTOR	1		TBD		
D	INFRARED DETECTOR	1		TBD		
D	ELECTRON PROBE	1		TBD		
D	HEATER WINDOW	1		TBD		TEMPERATURE CONTROL
D	TEMPERATURE SENSOR	1		TBD		MONITOR WINDOW TEMPERATURE
E	VOLTAGE BIAS TEMPERATURE SENSOR	1		SHV		
E	TEMPERATURE SENSOR	2		TBD		MONITOR WATER TEMPERATURE
F	COLD CATHODE CONVECTION GAUGE	1	J10	SHV	CRM9004000-0005	

NOZZLE	FUNCTION	TYPE	DETAIL	MAX ALLOWABLE LOAD						ALLOWED VARIANCE					
				IN-LB (+ OR -)	IN-LB (+ OR -)	IN-LB (+ OR -)	IN-LB (+ OR -)	IN-LB (+ OR -)	IN-LB (+ OR -)	INCHES	INCHES	INCHES	INCHES		
1	4K PRIMARY He INLET	BAYONET 1.50 X 32	75300E0080	+ 120	- 120	+ 250	- 250	+ 120	- 120	+ 300	- 300	+ .38	- .38	+ .18	- .18
2	4K PRIMARY GHe OUTLET	BAYONET 3.12 X 32	75300E0034	200	200	250	600	200	200	500	275	.38	.18	.18	.38
3	50K SHIELD GHe INLET	BAYONET 1.50 X 32	75300E0080	120	250	250	120	120	300	100	300	.38	.18	.18	.38
4	50K SHIELD GHe OUTLET	BAYONET 1.50 X 32	75300E0080	120	250	250	120	120	300	100	300	.38	.18	.18	.38
5	PRIMARY P.R.V.	LIFT PLATE	11131C0118									.25	.18	.18	.25
6	He PURGE OUTLET	1/4 VCR	N/R									.25	.18	.18	.25
7	COOL DOWN	2.38 X TUBE WALL	N/R									.25	.18	.18	.25
8	FPC COOLING WATER SUPPLY	37* JIC										.25	.18	.18	.25
9	FPC COOLING WATER RETURN	37* JIC										.25	.18	.18	.25
10	FPC COOLING WATER SUPPLY	37* JIC										.25	.18	.18	.25
11	FPC COOLING WATER RETURN	37* JIC										.25	.18	.18	.25
12	FPC COOLING WATER SUPPLY	37* JIC										.25	.18	.18	.25
13	FPC COOLING WATER RETURN	37* JIC										.25	.18	.18	.25
14	FPC COOLING WATER SUPPLY	37* JIC										.25	.18	.18	.25
15	FPC COOLING WATER RETURN	37* JIC										.25	.18	.18	.25
16	ION PUMP ELECT. CONN	CONFLAT FLG Ø6.100										.25	.18	.18	.25
17	VACUUM PORT	CONFLAT FLG Ø1.33	3	120	120	250	250	120	120			.25	.18	.18	.25
18	HE RETURN	CONFLAT FLG Ø1.33		120	120	250	250	120	120			.25	.18	.18	.25
19	60 PSI AIR CONN. VALVE L/S CONNECTION	25 O.D. TUBING CONN.										.25	.18	.18	.25
20	WAVEGUIDE	WR 975	1									.25	.18	.18	.25
W1	WAVEGUIDE	WR 975	1									.25	.18	.18	.25
W2	WAVEGUIDE	WR 975	1									.25	.18	.18	.25
W3	WAVEGUIDE	WR 975	1									.25	.18	.18	.25
W4	WAVEGUIDE	WR 975	1									.25	.18	.18	.25
B1	UPSTREAM BEAMTUBE CONFLAT FLG	Ø4.63	2	PERPENDICULAR TO BEAM AXIS WITHIN .25*											
B2	DOWNSTREAM BEAMTUBE CONFLAT FLG	Ø4.63	4	PERPENDICULAR TO BEAM AXIS WITHIN .25*											
S1	STAND	UPSTREAM	CRM9002000-0000									6000			
S2	STAND	DOWNSTREAM	CRM9002000-0001									6000			

REFERENCES:

TITLE HIGH BETA CRYOMODULE INSTRUMENTATION AND FLOW SCHEMATIC HIGH BETA CRYOMODULE OVERALL ASSEMBLY HIGH BETA CRYOMODULE WIRING DIAGRAM

DWG. NO. CRM9004000-0002 CRM9000000-00001 CRM9004000-00005

