CM2	TABLE II - DEVICES						
CHARGER PRESSURE MANDMETER POLY	DEVICE	DESCRIPTION	BOARD	IO POINTS	RANGE/SET PT	3000000	
CH2	CM1	PROCESS MANOMETER	VIOP	AIIB		PCLY EXELAN	
CMS		MANOMETER/ PRESSURE SWITCH/	N00E 1	AIS DIF	500 mTORR	POLY	
CMG					500 mTORR	EXELAN	
CM3S1	CM3	MANDMETER/	NODE 1	AII	0-10 TORR 750 mTORR	POLY	
OND HELLIM BACKSIDE PRESS NODE 2 ALB 0-50 TORR EXELAN DITE DUAL ZONE PRESS NODE 2 ALB 0-50 TORR EXELAN DITE DUAL ZONE PRESS NODE 2 ALB 0-50 TORR EXELAN DITE DUAL ZONE PRESSURE SHITCH NODE 1 DIT 80 PSIG SHITCH PSI DITE SHITCH NODE 1 DIT 80 PSIG PRESSURE SHITCH NODE 1 DIT 80 PSIG DITE DITE SHITCH PRESSURE SHITCH NODE 2 ALB 0-50 SCCM DITE DITE DITE DITE DITE DITE DITE DITE	CM3S1				0-10 TORR 2 TORR	EXELAN:	
ONTRL DUAL ZONE NODE 1 D13 75 TORR PS1 CHAMBER VACUUM SWITCH NODE 1 D14 5 TORR DIFF. PS2 CHAMBER ATMOSPHERE NODE 1 D14 5 TORR DIFF. PS3 PREDMATIC LOW NODE 1 D17 80 PS1G PS4 SCRUBBER EXHAUST VIOP D15 0.1° OF H40 PC1 HELIUM PRESSURE NODE 2 A11 0-50 SOCM PC2 PRESSURE CONTROLLER NODE 2 A15 0-50 SOCM EXELAN PR-1 PRESSURE REGULATOR, H4 30 PS1G/10 PS1G PR-2 PRESSURE REGULATOR, N2 30 PS1G/10 PS1G F-1 FILTER, TMP N2 F-2 FILTER, HELIUM F-3 FILTER, GAS LINE FR-1 FLOW RESTRICTOR FR-2 FLOW RESTRICTOR FR-4 FLOW RESTRICTOR, PIN LIFT UP FR-6 FLOW RESTRICTOR, PIN LIFT UP FR-6 FLOW RESTRICTOR FS-1 RF GEN COCLANT FLOW SWITCH NODE 1 D15 .80PM POLY FS-2 RF GEN COCLANT FLOW SWITCH NODE 1 D19 1.25GPM POLY FS-4 TUFFER CHAMBER FS-4 TUFFER SWITCH NODE 1 D19 1.25GPM POLY FS-5 UPPER SOURCE NODE 1 D19 1.25GPM POLY FS-6 UPPER SOURCE NODE 1 D19 1.25GPM POLY FS-6 UPPER SOURCE	CM4	HELIUM BACKSIDE PRESSURE MANOMETER	NODE 2	AIØ	0-50 TORR	_	
PS2 SHITCH PS3 PREMATIC LOW PRESSURE SHITCH NODE 1 D17 80 PSIG PS4 SCRUBBER EXHAUST VIOP D15 0.1° OF HAO PSIG PS4 SCRUBBER EXHAUST VIOP D15 0.1° OF HAO PS6 CONTROLLER NODE 2 ADD D-50 SCCM PC1 PC2 DUAL ZONE HE PRESSURE CONTROLLER NODE 2 ADD D-50 SCCM EXELAN PRESSURE REGULATOR, HE 30 PSIG/10 PSIG PR-1 PRESSURE REGULATOR, N2 30 PSIG/10 PSIG PR-2 PRESSURE REGULATOR, N2 30 PSIG/7 PSIG F-1 FILTER, TMP N2 F-2 FILTER, HELIUM F-3 FILTER, GAS LINE FR-1 FLOW RESTRICTOR FR-2 FLOW RESTRICTOR FR-4 FLOW RESTRICTOR FR-5 FLOW RESTRICTOR, FR-6 PIN LIFT UP FR-6 PLOW RESTRICTOR FS-1 REGON COOLANT NODE 1 D15 .80PM POLY FS-2 REGON COOLANT FLOW SWITCH NODE 1 D18 .80PM POLY FS-3 BIAS MATCH FLOW SWITCH NODE 1 D19 1.25GPM POLY FS-4 TOU FLOW SWITCH NODE 1 D19 1.25GPM EXELAN	CM5	HELIUM BACKSIDE PRESS ENTRL DUAL ZONE	NODE 2	AI3	D-50 TORR	EXELAN	
PS2	PS1	CHAMBER VACUUM SWITCH	NODE 1	D13	75 TORR		
PRESSURE SWITCH NODE 1 DIS 0.1' OF Ho PS4 SCRUBBER EXHAUST VIOP DIS 0.1' OF Ho PC1 HELIUM PRESSURE NODE 2 ALL PC2 DUAL ZONE Ho PRESSURE CONTROLLER NODE 2 ALL PR-1 PRESSURE REGULATOR, Ho PR-2 PRESSURE REGULATOR, NO F-1 FILTER, TMP N2 F-2 FILTER, HELIUM F-3 FILTER, GAS LINE FR-1 FIXED ORIFICE, N2, BIAS ELECTRODE ENCLOSURE FR-2 FLOW RESTRICTOR FR-3 THE N2 FR-4 FLOW RESTRICTOR, FIN LIFT UP FR-5 FLOW RESTRICTOR, FIN LIFT UP FR-6 FLOW RESTRICTOR FR-7 FLOW RESTRICTOR FR-8 FLOW RESTRICTOR FR-9 FLOW RESTRICTOR FR-1 FLOW SWITCH, BIAS NODE 1 DIS .8GPM POLY FS-2 RF GEN COOLANT NODE 1 DIS .8GPM POLY FS-3 BIAS MATCH FLOW SWITCH NODE 1 DIS .2GPM POLY FS-4 TCU FLOW SWITCH NODE 1 DIS .2GPM POLY FS-4 TCU FLOW SWITCH NODE 1 DIS .2GPM POLY FS-4 TCU FLOW SWITCH NODE 1 DIS .2GPM POLY FS-4 TCU FLOW SWITCH NODE 1 DIS .2GPM POLY FS-4 TCU FLOW SWITCH NODE 1 DIS .2GPM POLY FS-4 TCU FLOW SWITCH NODE 1 DIS .2GPM POLY FS-4 TCU FLOW SWITCH NODE 1 DIS .2GPM POLY FS-5 UPPER SOURCE	P32	SWITCH	NODE 1	D14	5 TORR DIFF.		
PC1 MELIUM PRESSURE CONTROLLER PC2 DUAL ZONE He PRESSURE CONTROLLER PC3 DUAL ZONE HE PRESSURE REGULATOR, He PC4 PRESSURE REGULATOR, He PC5 PRESSURE REGULATOR, N2 PC6 PC7 PC8	PS3	PRESSURE SWITCH	NODE 1	D17	80 PSIG		
PC1 CONTROLLER NODE 2 ALS D-50 SCCM PC2 DUAL ZONE He PRESSURE CONTROLLER NODE 2 ALS D-50 SCCM EXELAN PRESSURE CONTROLLER NODE 2 ALS D-50 SCCM EXELAN PRESSURE REGULATOR, He 30 PSIG/10 PSIG PR-1 PRESSURE REGULATOR, N2 30 PSIG/7 PSIG F-1 FILTER, TMP N2 F-2 FILTER, HELIUM F-3 FILTER, GAS LINE FR-1 FIXED ORIFICE N2, BIAS FR-2 FLOW RESTRICTOR FR-3 FLOW RESTRICTOR FR-4 FLOW RESTRICTOR, PIN LIFT DOWN FR-5 FLOW RESTRICTOR, PIN LIFT DOWN FR-6 FLOW RESTRICTOR FS-1 RF GEN COOLANT FLOW SWITCH, BIAS NODE 1 DIS BOPM POLY FS-2 RF GEN COOLANT FLOW SWITCH NODE 1 DIS BOPM POLY FS-3 BIAS MATCH FLOW SWITCH NODE 1 DI9 1.25GPM POLY FS-4 TCU FLOW SWITCH NODE 1 DI9 1.25GPM POLY FS-5 UPPER CHAMBER NODE 1 DI10	PS4		VICP	D15	0.1 ° OF H ₆ 0		
PR-1 PRESSURE REGULATOR, He PR-2 PRESSURE REGULATOR, N2 F-1 FILTER, TMP N2 F-2 FILTER, HELIUM F-3 FILTER, GAS LINE FR-1 FIXED ORIFICE, N2, BIAS ELECTRODE ENCLOSURE FR-2 FLOW RESTRICTOR FR-3 FLOW RESTRICTOR FR-4 FLOW RESTRICTOR, PIN LIFT DOWN FR-5 FLOW RESTRICTOR, PIN LIFT UPWN FR-6 FLOW RESTRICTOR FR-7 FLOW RESTRICTOR, PIN LIFT UPWN FR-8 FLOW RESTRICTOR FR-9 FLOW RESTRICTOR, PIN LIFT UPWN FR-1 FLOW SWITCH, BIAS NODE 1 DIS .80PM POLY FS-2 RF GEN COOLANT FLOW SWITCH, TOP NODE 1 DIS .80PM POLY FS-3 BIAS MATCH FLOW SWITCH NODE 1 DIS .20PM POLY FS-4 TOU FLOW SWITCH NODE 1 DIS .20PM POLY FS-4 TOU FLOW SWITCH NODE 1 DIS .20PM POLY FS-4 TOU FLOW SWITCH NODE 1 DIS .20PM POLY FS-4 TOU FLOW SWITCH NODE 1 DIS .20PM POLY FS-4 TOU FLOW SWITCH NODE 1 DIS .20PM POLY FS-4 TOU FLOW SWITCH NODE 1 DIS .20PM POLY FS-5 UPPER SOURCE	PC1	CONTROLLER	NODE 2		D-50 SCCM		
PR-2 PRESSURE REGULATOR, N2 30 PSIG/ 7 PSIG F-1 FILTER, TMP N2 F-2 FILTER, HELIUM F-3 FILTER, GAS LINE FR-1 FIXED ORIFICE N2. BIAS ELECTRODE ENCLOSURE FR-2 FLOW RESTRICTOR FR-3 FLOW RESTRICTOR, PIN LIFT DOWN FR-4 FLOW RESTRICTOR, PIN LIFT UP FR-5 FLOW RESTRICTOR, PIN LIFT UP FR-6 FLOW RESTRICTOR FR-7 FLOW RESTRICTOR DUAL ZONE He FS-1 RF GEN COOLANT FLOW SWITCH, BIAS NODE 1 DIS BOPM POLY FS-2 RF GEN COOLANT FLOW SWITCH NODE 1 DIS BOPM POLY FS-3 BIAS MATCH FLOW SWITCH NODE 1 DIS 1.250PM POLY FS-4 TCU FLOW SWITCH NODE 1 DIS 1.250PM EXELON	PC2	DUAL ZONE He PRESSURE CONTROLLER	NODE 2	A15 A05	D-50 SCCM	EXELAN	
F-1 FILTER, TMP N2 F-2 FILTER, HELIUM F-3 FILTER, GAS LINE FR-1 FIXED ORIFICE, N2, BIAS ELECTRODE ENCLOSURE FR-2 FLOW RESTRICTOR FR-3 FLOW RESTRICTOR FR-4 FLOW RESTRICTOR, PIN LIFT DOWN FR-5 FLOW RESTRICTOR, PIN LIFT UP FR-6 GLUAL ZONE He FS-1 RF GEN COOLANT FLOW SWITCH, BIAS NODE 1 DIS .8GPM POLY FS-2 RF GEN COOLANT FLOW SWITCH, TOP NODE 1 DIB .8GPM POLY FS-3 BIAS MATCH FLOW SWITCH NODE 1 DIB .2GPM POLY FS-4 TOU FLOW SWITCH NODE 1 DIB .2GPM POLY FS-5 UPPER CHAMBER NODE 1 DID 1.25GPM EXELAN	PR-1	PRESSURE REGULATOR, He			30 PSIG/10 PSIG		
F-2 FILTER, HELIUM F-3 FILTER, GAS LINE FR-1 FIXED ORIFICE, N2, BIAS FR-2 FLOW RESTRICTOR FR-3 FLOW RESTRICTOR FR-4 FLOW RESTRICTOR, PIN LIFT DOWN FR-5 FLOW RESTRICTOR, PIN LIFT UP FR-6 DUAL ZONE He FS-1 RF GEN COOLANT FLOW SWITCH, BIAS NODE 1 DIS .BOPM POLY FS-2 RF GEN COOLANT FLOW SWITCH, TOP NODE 1 DIS .BOPM POLY FS-3 BIAS MATCH FLOW SWITCH NODE 1 DIS .ZGPM POLY FS-4 TOU FLOW SWITCH NODE 1 DIS .ZGPM POLY FS-4 TOU FLOW SWITCH NODE 1 DIS .ZGPM EXELAN	PR-2	PRESSURE REGULATOR, N2			30 PSIG/ 7 PSIG		
F-3 FILTER, GAS LINE FR-1 FIXED ORIFICE, N2, BIAS ELECTRODE ENCLOSURE FR-2 FLOW RESTRICTOR FR-3 FLOW RESTRICTOR FR-4 FLOW RESTRICTOR, PIN LIFT DOWN FR-5 FLOW RESTRICTOR, PIN LIFT UP FR-6 FLOW RESTRICTOR, DUAL ZONE He FS-1 RF GEN COOLANT FLOW SWITCH, BIAS NODE 1 DIS .80PM POLY FS-2 RF GEN COOLANT FLOW SWITCH, TOP NODE 1 DIB .80PM POLY FS-3 BIAS MATCH FLOW SWITCH NODE 1 DIB 1.20PM POLY FS-4 TOU FLOW SWITCH NODE 1 DIB 1.20PM POLY FS-4 TOU FLOW SWITCH NODE 1 DIB 1.20PM POLY FS-4 TOU FLOW SWITCH NODE 1 DIB 1.20PM POLY FS-4 TOU FLOW SWITCH NODE 1 DIB 1.20PM EXECUN	F-1	FILTER, TMP N2					
FR-1 FIXED ORIFICE, N2, BIAS ELECTRODE ENCLOSURE FR-2 FLOW RESTRICTOR FR-3 FLOW RESTRICTOR, FIN LIFT DOWN FR-6 FLOW RESTRICTOR, FIN LIFT UPPER CHAMBER FS-1 RF GEN COOLANT FLOW SWITCH, BIAS NODE 1 DIS .8GPM POLY FS-2 RF GEN COOLANT FLOW SWITCH, TOP NODE 1 DIS .8GPM POLY FS-3 BIAS MATCH FLOW SWITCH NODE 1 DIS .2GPM POLY FS-4 TOU FLOW SWITCH NODE 1 DIS .2GPM POLY FS-4 TOU FLOW SWITCH NODE 1 DIS .2GPM POLY FS-4 TOU FLOW SWITCH NODE 1 DIS .2GPM POLY FS-4 TOU FLOW SWITCH NODE 1 DIS .2GPM POLY FS-4 TOU FLOW SWITCH NODE 1 DIS .2GPM EXELAN	F-2	FILTER, HELIUM					
FR-2 FLOW RESTRICTOR FR-3 FLOW RESTRICTOR FR-4 FLOW RESTRICTOR, PIN LIFT DOWN FR-5 FLOW RESTRICTOR, PIN LIFT UP FR-6 FLOW RESTRICTOR DUAL ZONE HB FS-1 RF GEN COOLANT FLOW SWITCH, BIAS NODE 1 DIS .8CPM POLY FS-2 RF GEN COOLANT FLOW SWITCH, TOP NODE 1 DIB .8GPM POLY FS-3 BIAS MATCH FLOW SWITCH NODE 1 DIB 1.2GPM POLY FS-4 TOU FLOW SWITCH NODE 1 DID 1.2GPM EXELAN FS-4 TOU FLOW SWITCH NODE 1 DID 1.2GPM EXELAN	F-3						
FR-3 FLOW RESTRICTOR FR-4 FLOW RESTRICTOR, FIN LIFT DOWN FR-5 FLOW RESTRICTOR, FIN LIFT UP FR-6 FLOW RESTRICTOR DUAL ZONE He FS-1 RF GEN COOLANT FLOW SWITCH, BIAS NODE 1 DIS .BGPM POLY FS-2 RF GEN COOLANT FLOW SWITCH, TOP NODE 1 DIB .BGPM POLY FS-3 BIAS MATCH FLOW SWITCH NODE 1 DIB 1.25GPM EXELAN FS-4 TOU FLOW SWITCH NODE 1 DID FS-5 UPPER SOURCE NODE 1 DID FS-6 UPPER SOURCE NODE 1 DID FS-7 DID FS-8 UPPER SOURCE NODE 1 DID FS-8 UPPER SOURCE NODE 1 DID FS-8 UPPER SOURCE NODE 1 DID FS-9 DID FS-1 DID FS-1 DID FS-1 DID FS-1 DID FS-2 DID FS-3 DID FS-4 TOU FLOW SWITCH NODE 1 DID FS-5 UPPER SOURCE NODE 1 DID FS-6 UPPER SOURCE NODE 1 DID FS-7 DID FS-8 UPPER SOURCE NODE 1 DID FS-8 UPPER SOURCE	FR-1	FIXED ORIFICE, N2.BIAS ELECTRODE ENCLOSURE					
FR-4 FLOW RESTRICTOR, FIN LIFT DOWN FR-5 FLOW RESTRICTOR, FIN LIFT UP FR-6 FLOW RESTRICTOR DUAL ZONE He FS-1 RF GEN COOLANT FLOW SWITCH, BIAS NODE 1 DIS .BGPM POLY FS-2 RF GEN COOLANT FLOW SWITCH, TOP NODE 1 DIB .BGPM POLY FS-3 BIAS MATCH FLOW SWITCH NODE 1 DIB 1.25GPM POLY FS-4 TOU FLOW SWITCH NODE 1 DIID FS-5 UPPER SOURCE NODE 1 DIID	FR-2	FLOW RESTRICTOR					
FR-5 FLOW RESTRICTOR, PIN LIFT UP FR-6 FLOW RESTRICTOR CUAL ZONE He FS-1 RF GEN COOLANT FLOW SWITCH, BIAS NODE 1 DIS .8GPM POLY FS-2 RF GEN COOLANT FLOW SWITCH, TOP NODE 1 DIB .8GPM POLY FS-3 BIAS MATCH FLOW SWITCH NODE 1 DIB 1.2GPM FOLY FS-4 TCU FLOW SWITCH NODE 1 DII0	FR-3	FLOW RESTRICTOR TMP N2					
FR-6 FLOW RESTRICTOR DUAL ZONE He FS-1 RF GEN COOLANT FLOW SWITCH, BIAS NODE 1 DIS .BGPM POLY FS-2 RF GEN COOLANT FLOW SWITCH, TOP NODE 1 DIB .BGPM POLY FS-3 BIAS MATCH FLOW SWITCH NODE 1 DIP 1.2GPM EXELAN FS-4 TOU FLOW SWITCH NODE 1 DIP0 1.25GPM EXELAN FS-4 TOU FLOW SWITCH NODE 1 DIP0 1.25GPM EXELAN	FR-4	FLOW RESTRICTOR, PIN LIFT DOWN		,			
FS-1 RF GEN COOLANT FLOW SWITCH, BIAS NODE 1 DIS .BGPM POLY FS-2 RF GEN COOLANT NODE 1 DIB .BGPM POLY FS-3 BIAS MATCH FLOW SWITCH NODE 1 DIB .2GPM POLY FS-4 TOU FLOW SWITCH NODE 1 DID 1.25GPM EXELAN FS-4 TOU FLOW SWITCH NODE 1 DID	FR-5	FLOW RESTRICTOR, PIN LIFT UP					
FS-2 RF GEN COOLANT FLOW SWITCH, TOP NODE 1 DIB .BGPM POLY FS-3 BIAS MATCH FLOW SWITCH NODE 1 DIB 1.25GPM POLY EXELAN FS-4 TOU FLOW SWITCH NODE 1 DI10	FR-6	FLOW RESTRICTOR DUAL ZONE He				EXELAN	
FS-3 BIAS MATCH FLOW SWITCH NODE 1 DI9 1.25GPM FOLY EXELAN FS-4 TCU FLOW SWITCH NODE 1 DI10 FS-5 UPPER SOURCE NODE 1 DI10	FS-1	RF GEN COOLANT FLOW SWITCH, BIAS	NODE 1	015	. всем	POLY	
FS-4 TOU FLOW SWITCH NODE 1 DI10 FS-5 UPPER SOURCE NODE 1 DI10	FS-2		NODE 1	D18	. BOPM	POLY	
ER-E UPPER SOURCE HODE 1 DILL GOOD 1	FS=3	BIAS MATCH FLOW SWITCH UPPER CHAMBER	N00E 1	D19	, 2GPM 1 , 25GPM	POLY EXELAN	
	FS-4	TOU FLOW SWITCH	N00E 1	D110			
	FS-5		NODE 1	DI11	.agpw	ADP	
SW1 GAS RING CLOSED NODE 1 DI6	SW1		N00E 1	DIS			
SW3 BIAS ELECTRODE CLOSED SWITCH	SW3						