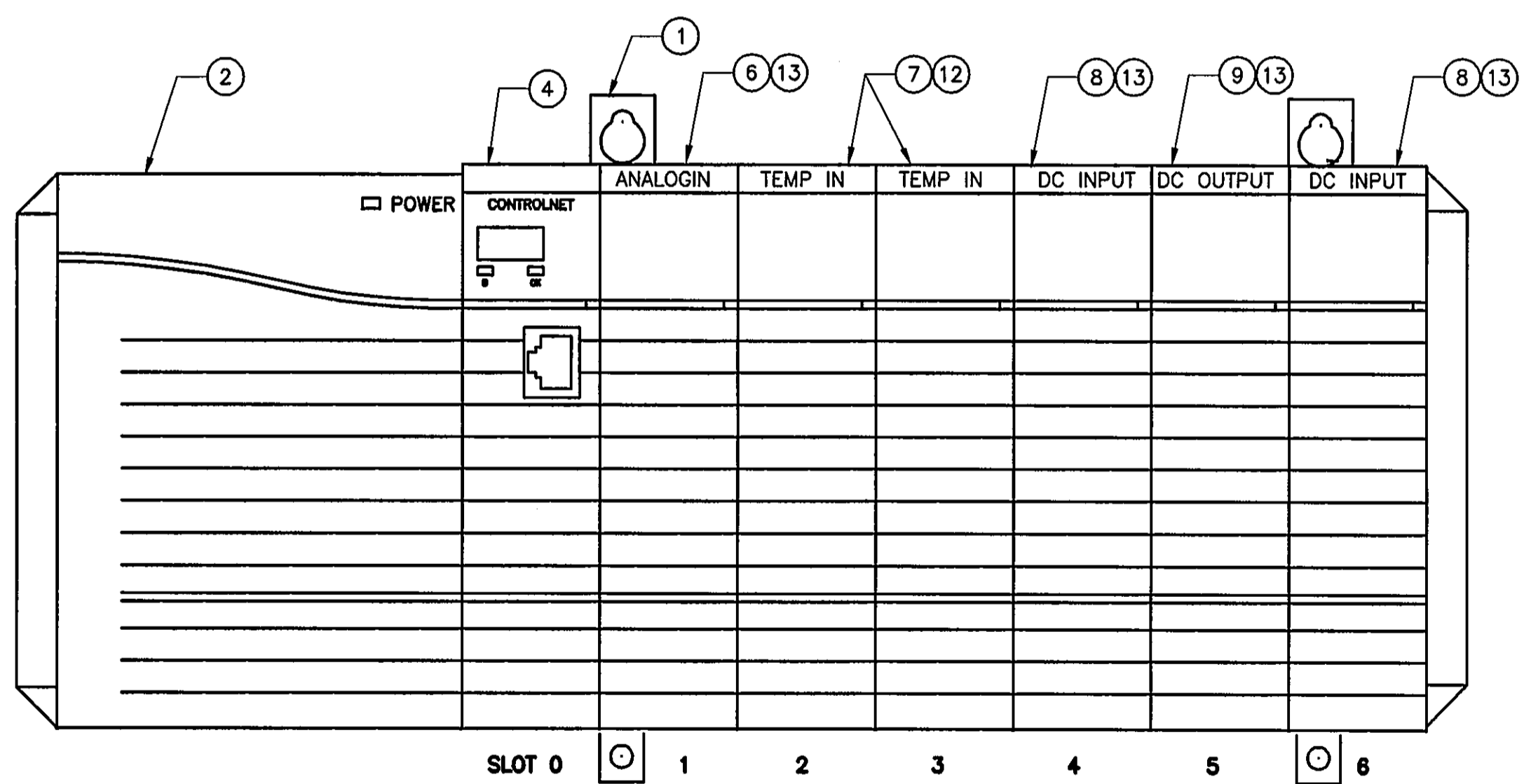


VACUUM SYSTEM CONTROLS PLC ASSEMBLY - (RACK 0)

PLC ASSEMBLY LIST OF MATERIALS					
ITEM	QTY	U/M	DESCRIPTION	MFR	PART NO.
①	2	EA	CONTROLLOGIX 7 SLOT CHASSIS	ALLEN-BRADLEY	1756-A7
②	2	EA	CONTROLLOGIX AC POWER SUPPLY	ALLEN-BRADLEY	1756-PA72
③	1	EA	CONTROLLOGIX 5550 PROCESSOR	ALLEN-BRADLEY	1756-L1
④	2	EA	SINGLE PORT, SINGLE MEDIA CONTROLNET BRIDGE	ALLEN-BRADLEY	1756-CNB
⑤	1	EA	DATAHIGHWAY PLUS INTERFACE MODULE	ALLEN-BRADLEY	1756-DHRIO
⑥	1	EA	ANALOG CURRENT/VOLTAGE INPUT MODULE, 16 PT	ALLEN-BRADLEY	1756-IF16
⑦	2	EA	THERMOCOUPLE ISOLATED INPUT MODULE, 6 PTS	ALLEN-BRADLEY	1756-IT6I
⑧	3	EA	32 POINT DC INPUT MODULE	ALLEN-BRADLEY	1756-IB32
⑨	1	EA	32 POINT DC OUTPUT MODULE	ALLEN-BRADLEY	1756-OB32
⑩	1	EA	PROCESSOR PROGRAMMER CABLE	ALLEN-BRADLEY	1756-CP3
⑪	3	EA	CONTROLLOGIX EMPTY SLOT FILLER	ALLEN-BRADLEY	1756-N2
⑫	2	EA	REMOVABLE TERMINAL BLOCK 20 PIN	ALLEN-BRADLEY	1756-TBNH
⑬	5	EA	REMOVABLE TERMINAL BLOCK 40 PIN	ALLEN-BRADLEY	1756-TBCH

RACK 0 DRAWINGS		
SLOT	DWG	TITLE
0	NA	
1	1239547	BLOCK DIAGRAM CONTROLS
2	1239547	BLOCK DIAGRAM CONTROLS
3	1239557	PLC DIGITAL INPUT SCHEMATICS RACK
4	NA	
5	NA	
6	NA	

RACK 1 DRAWINGS		
SLOT	DWG	TITLE
0	NA	
1	1239553	PLC ANALOG INPUT AND TEMPERATURE SCHEMATICS
2	1239553	PLC ANALOG INPUT AND TEMPERATURE SCHEMATICS
3	1239553	PLC ANALOG INPUT AND TEMPERATURE SCHEMATICS
4	1239554	PLC DIGITAL INPUT RACK 1 SHT 1
5	1239555	PLC DIGITAL OUTPUT SCHEMATICS
6	1239556	PLC DIGITAL INPUT RACK1 SHT2



VACUUM SYSTEM PLC I/O ASSEMBLY - (RACK 1)

NOTE

1. SEE DRAWING 1239552 FOR POWER AND SCHEMATIC

ABBREVIATIONS

- AC ALTERNATING CURRENT
- DC DIRECT CURRENT
- BLDG BUILDING
- DWG DRAWING
- DWG DRAWING
- RM ROOM
- SHT SHEET
- TYP TYPICAL

FILE
JUN 03 2003

REVISIONS				REVISIONS			
DATE	LTR	FREQ	DESCRIPTION	DATE	LTR	FREQ	DESCRIPTION

Sverdrup
TECHNOLOGY INC.
TECHNOLOGY GROUP

APPROVALS		APPROVALS	
NAME	DATE	NAME	DATE
DESIGNED E. ABRAHAM	06/07/02	DRAWN [Signature]	12/06/02
CHECKED T. GAVIN	06/07/02	APPROVED M. JANGO	06/07/02
PROJ. ENG. R. WINEMAN	06/07/02	RES. PROJ. ENG. R. WINEMAN	06/07/02
SUPV. R. WINEMAN	06/07/02		

FOR DRAWING INDEX SEE DRAWING 1239510	
NATIONAL AERONAUTICS & SPACE ADMINISTRATION LANGLEY RESEARCH CENTER HAMPTON, VIRGINIA 23681-2199	
PROJECT TITLE	FY 03 - 20-INCH MACH 6 CF4 TUNNEL RECLAIMER MODIFICATIONS
DRAWING TITLE	PLC ASSEMBLY AND LIST OF MATERIALS
BUILDING NO.	1275
SIZE	D
SHEET NO.	E9
DRAWING NO.	1239548
LATEST REV.	.