



MAINTENANCE MANUAL
SIMULCAST SYSTEM DRAWINGS
CONTROL POINT COMMON EQUIPMENT
4 SITE 10 CHANNEL SYSTEM CONFIGURATION

TABLE OF CONTENTS	
	<u>Page</u>
Cable Connections - Module Location/Identification	1
Equipment Rackup	4
Digital Cross Connect Block Diagram	5
Analog Cross Connect Block Diagram	5



MODULE LOCATION IN RACKS				ANALOG PROCESSION SHELF #2			
SHELF AND MODULE NUMBERS				SLOT 01		150 BAUD BRIDGE	
DIGITAL DELAY SHELF				SLOT 02		MULTITONE MODULE	
DIGITAL DELAY MODULE						SITE 01-04	
ANALOG DELAY SHELF				MODEM SHELF			
ANALOG DELAY MODULE				SLOT 01		MODEM INTERFACE MODULE SITE #XX	
				SLOT 02		MODEM MODULE CHANNEL 01	
				SLOT 03		MODEM INTERFACE MODULE SITE #XX	
				SLOT 04		MODEM MODULE CHANNEL 02	
				SLOT 05		MODEM INTERFACE MODULE SITE #XX	
				SLOT 06		MODEM MODULE CHANNEL 03	
				SLOT 07		MODEM INTERFACE MODULE SITE #XX	
				SLOT 08		MODEM MODULE CHANNEL 04	
				SLOT 09		MODEM INTERFACE MODULE SITE #XX	
				SLOT 10		MODEM MODULE CHANNEL 05	
				SLOT 11		MODEM INTERFACE MODULE SITE #XX	
				SLOT 12		MODEM MODULE CHANNEL 06	
				SLOT 13		MODEM INTERFACE MODULE SITE #XX	
				SLOT 14		MODEM MODULE CHANNEL 07	
				SLOT 15		MODEM INTERFACE MODULE SITE #XX	
				SLOT 16		MODEM MODULE CHANNEL 08	
				SLOT 17		MODEM INTERFACE MODULE SITE #XX	
				SLOT 18		MODEM MODULE CHANNEL 09	
				SLOT 19		MODEM INTERFACE MODULE SITE #XX	
				SLOT 20		MODEM MODULE CHANNEL 10	
ANALOG PROCESSING SHELF #1				ANALOG DELAY SHELF			
COMPRESSOR MODULE				SITES 1-4 (4 SITES MAX)			
AUDIO BRIDGE MODULE				ANALOG DELAY			
EQUALIZER MODULE				SLOT 01		ANALOG DELAY MODULE	
				SLOT 03		ANALOG DELAY MODULE	
				SLOT 05		ANALOG DELAY MODULE	
				SLOT 07		ANALOG DELAY MODULE	
UNIVERSAL SYNC SHELF				AUDIO PROCESSING SHELF #1			
ALARM MODULE				SLOT #1		COMPRESSOR	
DIGITAL SELECTOR (150BAUD/CLK)				SLOT #2		AUDIO BRIDGE	
2400 BAUD MODEM MODULE				SLOT #3		EQUALIZER SITE #1	
UNIVERSAL SYNC MODULE				SLOT #4		EQUALIZER SITE #2	
				SLOT #5		EQUALIZER SITE #3	
				SLOT #6		EQUALIZER SITE #4	
				SLOT #7		COMPRESSOR	
				SLOT #8		AUDIO BRIDGE	
				SLOT #9		EQUALIZER SITE #1	
				SLOT #10		EQUALIZER SITE #2	
				SLOT #11		EQUALIZER SITE #3	
				SLOT #12		EQUALIZER SITE #4	

RACK #1	APPLICATION ASM 19D904160P1					A	DIGITAL CROSS CONNECT	J78	UNIV SYNC SHF D800	P12	19D903985P16	
RACK #2	APPLICATION ASM 19D904160P2					A	DIGITAL CROSS CONNECT	J98	PANEL #3 A1	P01	19D903985P14	
-----						A	PANEL #3 A1	P02	JACKFIELD D601	J01	19D903985P36	
FROM RACK #1			TO			A	DIGITAL CROSS CONNECT	J99	PANEL #3 A2	P01	19D903985P14	
				A	PANEL #3 A2	P02	JACKFIELD D601	P01	19D903985P26			
						A	DIGITAL CROSS CONNECT	J85	PANEL #3 A3	P01	19D903985P14	
						A	PANEL #3 A3	P02	JACKFIELD D601	J02	19D903985P36	
S1	DIGITAL CROSS CONNECT	J57	MODEM SHELF D100-A	J01	19D903985P14	A	DIGITAL CROSS CONNECT	J86	PANEL #3 A4	P01	19D903985P14	
S1	DIGITAL CROSS CONNECT	J87	MODEM SHELF D100-A	J02	19D903985P16	A	PANEL #3 A4	P02	JACKFIELD D601	P02	19D903985P26	
S2	DIGITAL CROSS CONNECT	J58	MODEM SHELF D101-A	J01	19D903985P14							
S2	DIGITAL CROSS CONNECT	J88	MODEM SHELF D101-A	J02	19D903985P14	DCC	DIGITAL CROSS CONNECT	J80	CONNECTOR PANEL #01	P11	19D903985P24	
S3	DIGITAL CROSS CONNECT	J59	MODEM SHELF D102-A	J01	19D903985P14	DCC	DIGITAL CROSS CONNECT	J81	CONNECTOR PANEL #01	P12	19D903985P24	
S3	DIGITAL CROSS CONNECT	J89	MODEM SHELF D102-A	J02	19D903985P14	DCC	DIGITAL CROSS CONNECT	J83	CONNECTOR PANEL #01	P13	19D903985P24	
S4	DIGITAL CROSS CONNECT	J60	MODEM SHELF D103-A	J01	19D903985P14	DCC	DIGITAL CROSS CONNECT	J84	CONNECTOR PANEL #01	P14	19D903985P24	
S4	DIGITAL CROSS CONNECT	J90	MODEM SHELF D103-A	J02	19D903985P14	-----						
S1	MODEM SHELF D100-A	J04	JACKFIELD D602	P01	19D903985P22	ANALOG CONNECTION						
S1	MODEM SHELF D100-A	J06	JACKFIELD D602	P02	19D903985P22	RACK #2						
S2	MODEM SHELF D101-A	J04	JACKFIELD D603	P01	19D903985P22							
S2	MODEM SHELF D101-A	J06	JACKFIELD D603	P02	19D903985P22	A	JACKFIELD A600	P01	ANALOG PROC SHF A401	J01	19D903985P22	
S3	MODEM SHELF D102-A	J04	JACKFIELD D604	P01	19D903985P22	C01-02	ANALOG CROSS CONNECT	J01	ANALOG PROC SHF A401	J03	19D903985P64	
S3	MODEM SHELF D102-A	J06	JACKFIELD D604	P02	19D903985P22	C03-04	ANALOG CROSS CONNECT	J02	ANALOG PROC SHF A402	J03	19D903985P64	
S4	MODEM SHELF D103-A	J04	JACKFIELD D605	P01	19D903985P22	C05-06	ANALOG CROSS CONNECT	J03	ANALOG PROC SHF A403	J03	19D903985P62	
S4	MODEM SHELF D103-A	J06	JACKFIELD D605	P02	19D903985P22	C07-08	ANALOG CROSS CONNECT	J04	ANALOG PROC SHF A404	J03	19D903985P62	
						C09-10	ANALOG CROSS CONNECT	J05	ANALOG PROC SHF A405	J03	19D903985P62	
S1	C01-10	DIGITAL CROSS CONNECT	J27	DIGITAL DELAY D300	P01	19D903985P16						
S2	C01-10	DIGITAL CROSS CONNECT	J28	DIGITAL DELAY D300	P02	19D903985P16	S1 C1-20	ANALOG CROSS CONNECT	J26	ANALOG DELAY SHF A200	P01	19D903985P18
S3	C01-10	DIGITAL CROSS CONNECT	J29	DIGITAL DELAY D300	P03	19D903985P16	S2 C1-20	ANALOG CROSS CONNECT	J27	ANALOG DELAY SHF A200	P02	19D903985P18
S4	C01-10	DIGITAL CROSS CONNECT	J30	DIGITAL DELAY D300	P04	19D903985P16	S3 C1-20	ANALOG CROSS CONNECT	J28	ANALOG DELAY SHF A200	P03	19D903985P18
						S4 C1-20	ANALOG CROSS CONNECT	J29	ANALOG DELAY SHF A200	P04	19D903985P18	
C01	DIGITAL CROSS CONNECT	J01	CONNECTOR PANEL #01	P01	19D903985P24	S 1-2-3	ANALOG CROSS CONNECT	J31	ANALOG DELAY SHF A200	P11	19D903985P18	
C02	DIGITAL CROSS CONNECT	J02	CONNECTOR PANEL #01	P02	19D903985P24	S 4	ANALOG CROSS CONNECT	J32	ANALOG DELAY SHF A200	P12	19D903985P18	
C03	DIGITAL CROSS CONNECT	J03	CONNECTOR PANEL #01	P03	19D903985P24							
C04	DIGITAL CROSS CONNECT	J04	CONNECTOR PANEL #01	P04	19D903985P24	S1 C1-20	ANALOG DELAY SHF A200	P06	JACKFIELD A600	P02	19D903985P24	
C05	DIGITAL CROSS CONNECT	J05	CONNECTOR PANEL #01	P05	19D903985P24	S2 C1-20	ANALOG DELAY SHF A200	P07	JACKFIELD A601	P01	19D903985P24	
C06	DIGITAL CROSS CONNECT	J06	CONNECTOR PANEL #01	P06	19D903985P24	S3 C1-20	ANALOG DELAY SHF A200	P08	JACKFIELD A601	P02	19D903985P24	
C07	DIGITAL CROSS CONNECT	J07	CONNECTOR PANEL #01	P07	19D903985P24	S4 C1-20	ANALOG DELAY SHF A200	P09	JACKFIELD A602	P01	19D903985P24	
C08	DIGITAL CROSS CONNECT	J08	CONNECTOR PANEL #01	P08	19D903985P24	S 1-2-3	ANALOG DELAY SHF A200	P13	PANEL #3 B1	J1	19D903985P14	
C09	DIGITAL CROSS CONNECT	J09	CONNECTOR PANEL #01	P09	19D903985P24	S 4-5	ANALOG DELAY SHF A200	P14	PANEL #3 B1	J2	19D903985P14	
C10	DIGITAL CROSS CONNECT	J10	CONNECTOR PANEL #01	P10	19D903985P24	150 DATA	PANEL #3 B1	J5	JACKFIELD A603	P01	19D903985P52	
C1-4	DIGITAL CROSS CONNECT	J71	UNIV SYNC SHF D800	P05	19D903985P16	S 1-2-3	ANALOG DELAY SHF A200	P13	JACKFIELD A603	P01	19D903985P24	
C5-8	DIGITAL CROSS CONNECT	J72	UNIV SYNC SHF D800	P06	19D903985P16	S 4	ANALOG DELAY SHF A200	P14	JACKFIELD A603	P02	19D903985P24	
C9-12	DIGITAL CROSS CONNECT	J73	UNIV SYNC SHF D800	P07	19D903985P16							
						C 3-4	ANALOG PROC SHF A401	J02	ANALOG PROC SHF A402	J01	19D903985P12	
A	DIGITAL CROSS CONNECT	J26	JACKFIELD D600	P01	19D903985P24	C 5-6	ANALOG PROC SHF A402	J02	ANALOG PROC SHF A403	J01	19D903985P12	
A	ANALOG PROC SHF D700	J02	JACKFIELD D600	P02	19D903985P52	C 7-8	ANALOG PROC SHF A403	J02	ANALOG PROC SHF A404	J01	19D903985P12	
A	DIGITAL CROSS CONNECT	J79	ANALOG PROC SHF D700	J02	19D903985P36	C 9-10	ANALOG PROC SHF A404	J02	ANALOG PROC SHF A405	J01	19D903985P12	
A	DIGITAL CROSS CONNECT	J82	ANALOG PROC SHF D700	J03	19D903985P36							
A	DIGITAL CROSS CONNECT	J67	UNIV SYNC SHF D800	P01	19D903985P16	ACC	ANALOG CROSS CONNECT	J33	CONNECTOR PANEL #01	P01	19D903985P24	
A	DIGITAL CROSS CONNECT	J68	UNIV SYNC SHF D800	P02	19D903985P16	ACC	ANALOG CROSS CONNECT	J34	CONNECTOR PANEL #01	P02	19D903985P24	
A	DIGITAL CROSS CONNECT	J69	UNIV SYNC SHF D800	P03	19D903985P16							
A	DIGITAL CROSS CONNECT	J70	UNIV SYNC SHF D800	P04	19D903985P16							

4 SITE 10 CHANNEL SYSTEM

Cable Connections, Module Location & Identification

(344A4222, Sh. 4, Rev. 2)

POWER CONNECTIONS
RACK #1

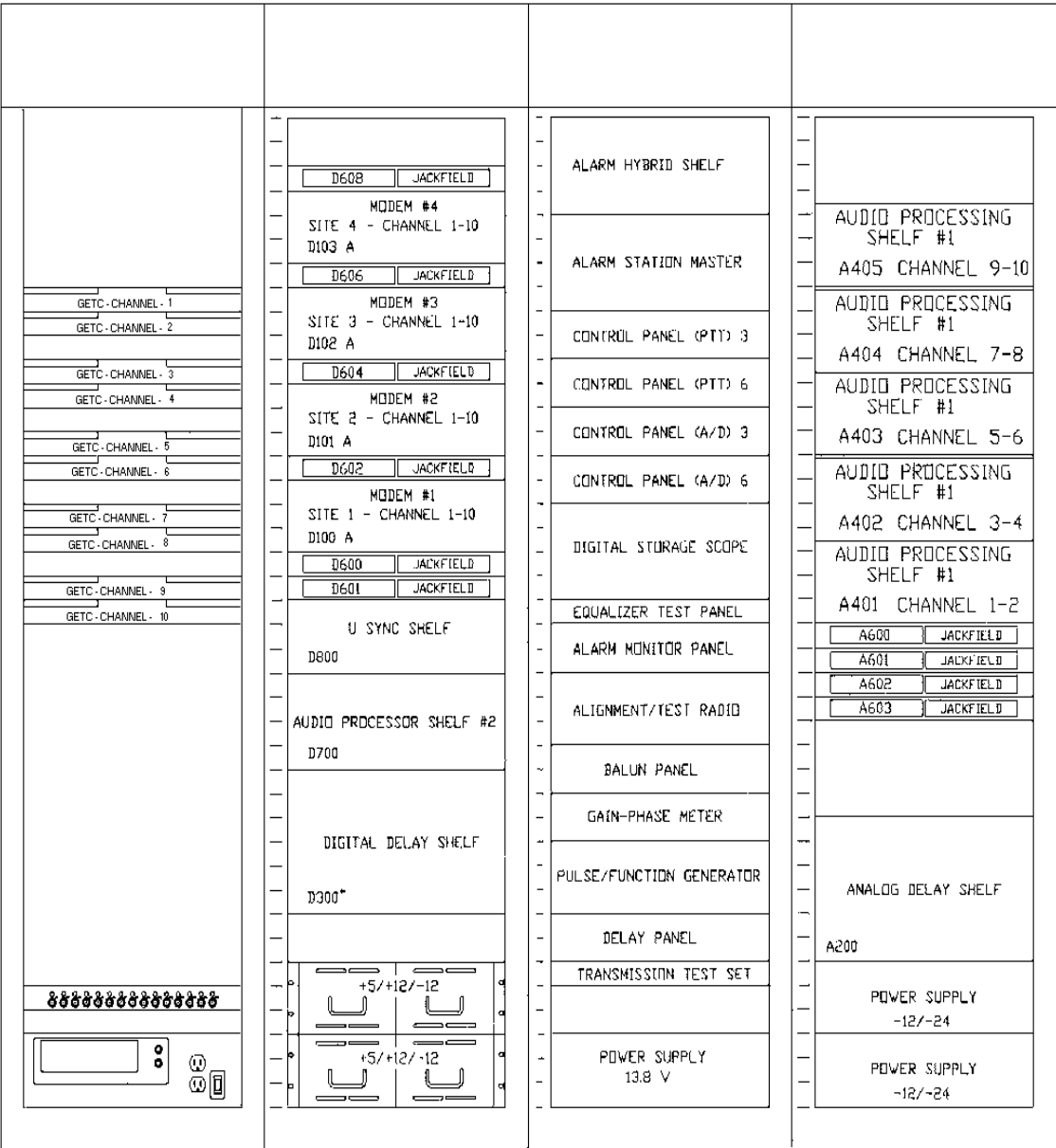
PP1	POWER PANEL #01	P05	DIGITAL DELAY SHELF TB1		19D903880P721
PP1	POWER PANEL #01	P07	UNIVERSAL SYN SHELF TB1		19D903880P784
PP1	POWER PANEL #01	P08	ANALOG PROC SHLF #2 TB1		19D903880P733
PS1	TB1-01	YELLOW	+5	POWER PANEL LUG #1	BUS+5 19D903880P762
PS1	TB1-02	YELLOW	+5		
PS1	TB1-03	YELLOW	+5		
PS1	TB1-04	YELLOW	+5	POWER PANEL LUG #1	BUS+5
PS1	TB1-05	YELLOW	+5		
PS1	TB1-06	YELLOW	+5		
PS1	TB1-07	BLACK	GND	POWER PANEL LUG #2	BUSGD
PS1	TB1-08	BLACK	GND		
PS1	TB1-09	BLACK	GND		
PS1	TB1-10	BLACK	GND	POWER PANEL LUG #2	BUSGD
PS1	TB1-11	BLACK	GND		
PS1	TB1-12	BLACK	GND		
PS1	TB1-13	ORANGE	+12	POWER PANEL P11-01	
PS1	TB1-14	BLUE	-12	P11-02	
PS1	TB1-14	BLUE	-12	P11-03	
PS1	TB1-15	BLACK	GND	P11-04	
PS1	TB1-16	BROWN	+5 SENS	POWER PANEL LUG #1	BUS+5
PS1	TB1-17	WHITE	-5 SENS	POWER PANEL LUG #2	BUSGD
PP2	POWER PANEL #02	P01	MODEM SHELF D100A	TB1	19D903880P714
PP2	POWER PANEL #02	P02	MODEM SHELF D101A	TB1	19D903880P714
PP2	POWER PANEL #02	P03	MODEM SHELF D102A	TB1	19D903880P714
PP2	POWER PANEL #02	P04	MODEM SHELF D103A	TB1	19D903880P714
PS2	TB1-01	YELLOW	+5	POWER PANEL LUG #1	BUS+5 19D903880P766
PS2	TB1-02	YELLOW	+5		
PS2	TB1-03	YELLOW	+5		
PS2	TB1-04	YELLOW	+5	POWER PANEL LUG #1	BUS+5
PS2	TB1-05	YELLOW	+5		
PS2	TB1-06	YELLOW	+5		
PS2	TB1-07	BLACK	GND	POWER PANEL LUG #2	BUSGD
PS2	TB1-08	BLACK	GND		
PS2	TB1-09	BLACK	GND		
PS2	TB1-10	BLACK	GND	POWER PANEL LUG #2	BUSGD
PS2	TB1-11	BLACK	GND		
PS2	TB1-12	BLACK	GND		
PS2	TB1-13	ORANGE	+12	POWER PANEL P11-01	
PS2	TB1-14	BLUE	-12	P11-02	
PS2	TB1-14	BLUE	-12	P11-03	
PS2	TB1-15	BLACK	GND	P11-04	
PS2	TB1-16	BROWN	+5 SENS	POWER PANEL LUG #1	BUS+5
PS2	TB1-17	WHITE	-5 SENS	POWER PANEL LUG #2	BUSGD

RACK #2

PS1	POWER SUPPLY PS1	TB1-1/6	POWER SUPPLY PS2 TB1-1/6	19D903880P810
PS2	POWER PANEL #01	P13		19D903880P804
	P13-01	BLUE	-12	POWER SUPPLY PS2 TB1- #1
	P13-02	BLUE	-12	POWER SUPPLY PS2 TB1- #2
	P13-03	BLACK	GND	POWER SUPPLY PS2 TB1- #3
	P13-04	BLACK	GND	POWER SUPPLY PS2 TB1- #4
	P13-05	GREEN	-24	POWER SUPPLY PS2 TB1- #5
	P13-06	GREEN	-24	POWER SUPPLY PS2 TB1- #6
PP1	POWER PANEL #01	P01	ANALOG PROC SHF A401 TB1	19D903880P774
PP1	POWER PANEL #01	P02	ANALOG PROC SHF A402 TB1	19D903880P774
PP1	POWER PANEL #01	P03	ANALOG PROC SHF A403 TB1	19D903880P774
PP1	POWER PANEL #01	P04	ANALOG PROC SHF A404 TB1	19D903880P774
PP1	POWER PANEL #01	P05	ANALOG PROC SHF A405 TB1	19D903880P774

CABINET TO CABINET CABLES (FIELD)

RACK #1 CONNECTOR PANEL 01	P01	GETC RACK #	GETC CH 01	19D903880P122
RACK #1 CONNECTOR PANEL 01	P02	GETC RACK #	GETC CH 02	19D903880P122
RACK #1 CONNECTOR PANEL 01	P03	GETC RACK #	GETC CH 03	19D903880P122
RACK #1 CONNECTOR PANEL 01	P04	GETC RACK #	GETC CH 04	19D903880P122
RACK #1 CONNECTOR PANEL 01	P05	GETC RACK #	GETC CH 05	19D903880P122
RACK #1 CONNECTOR PANEL 01	P06	GETC RACK #	GETC CH 06	19D903880P123
RACK #1 CONNECTOR PANEL 01	P07	GETC RACK #	GETC CH 07	19D903880P123
RACK #1 CONNECTOR PANEL 01	P08	GETC RACK #	GETC CH 08	19D903880P123
RACK #1 CONNECTOR PANEL 01	P09	GETC RACK #	GETC CH 09	19D903880P123
RACK #1 CONNECTOR PANEL 01	P10	GETC RACK #	GETC CH 10	19D903880P123
RACK #1 CONNECTOR PANEL 01	P11	RACK TEST CONNECTOR PANEL 01	P01	19D903880P120
RACK #1 CONNECTOR PANEL 01	P12	RACK TEST CONNECTOR PANEL 01	P02	19D903880P120
RACK #1 CONNECTOR PANEL 01	P13	RACK #2 CONNECTOR PANEL 01	P01	19D903880P123
RACK #1 CONNECTOR PANEL 01	P14	FIELD INSTALL DIGITAL ALARMS		
DIGITAL CROSS CONNECT	P97	GETC CAB. SYNC CTRL (SERIAL DATA J24)		19D903880P25
RACK #2 CONNECTOR PANEL 01	P02	FIELD INSTALL ANALOG BSEL		
PP1	RACK #1 POWER PANEL #01	P09	TEST RACK ALARM SHELF * TB1	19D903880P740
PP1	RACK #1 POWER PANEL #01	P12	RACK #2 POWER PANEL #01(-24)P14	19D903880P750
PP1	RACK #1 POWER PANEL #01	P06	RACK #4 ANALOG DELAY SHELF TB1	19D903880P729



GETC RACK
PER PART 22

① RACK 1
FRONT VIEW

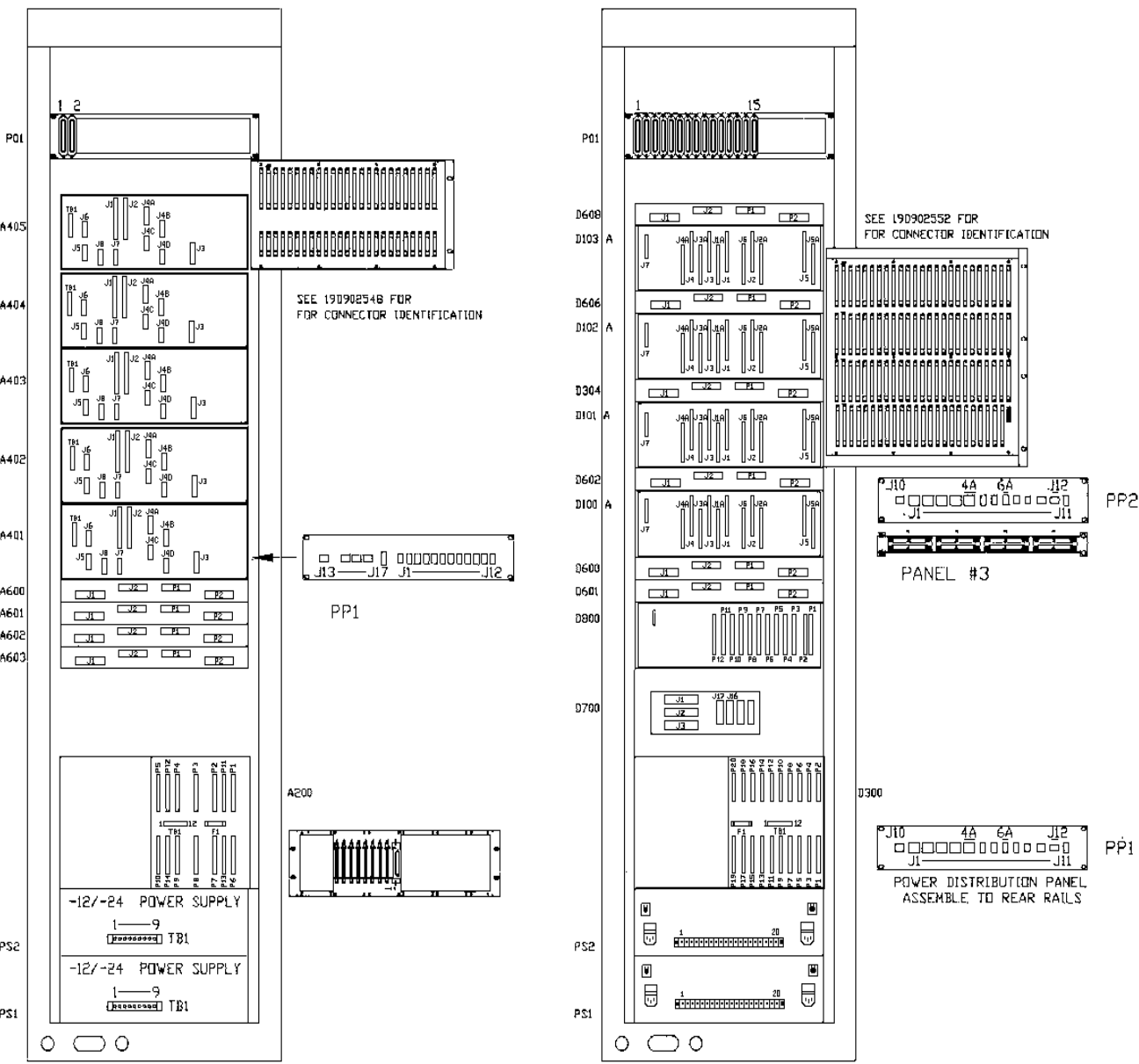
TEST RACK
PER PART 24

② RACK 2
FRONT VIEW

SEE 344A4222 FOR
MODULE IDENTIFICATION
AND CONNECTION LIST

EQUIPMENT RACKUP
19D904160P1, 2

(19D904160, Sh. 4, Rev. 2)



② RACK 2
REAR VIEW

① RACK 1
REAR VIEW

SEE 344A4222 FOR
MODULE IDENTIFICATION
AND CONNECTION LIST

EQUIPMENT RACKUP
19D904160P1, 2

(19D904160, Sh. 5, Rev. 2)

