



**MAINTENANCE MANUAL
SIMULCAST SYSTEM DRAWINGS
CONTROL POINT COMMON EQUIPMENT
5 SITE 5 CHANNEL SYSTEM CONFIGURATION**

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SHELF AND MODULE NUMBERS

DIGITAL DELAY SHELF	19D902531G21
DIGITAL DELAY MODULE	19D902524P1
ANALOG DELAY SHELF	19D902531G3 or G4
ANALOG DELAY MODULE	19D902526P1
ANALOG PROCESSING SHELF #1	19D902543G1
COMPRESSOR MODULE	19A149739P1
AUDIO BRIDGE MODULE	19D902458P1
EQUALIZER MODULE	19A149738P1
UNIVERSAL SYNC SHELF	19D902541G1
ALARM MODULE	19D902334P1
DIGITAL SELECTOR (150BAUD/CLK)	19D902519P1
2400 BAUD MODEM MODULE	19D902521P1
UNIVERSAL SYNC MODULE	19D902517P1
ANALOG PROCESSING SHELF #2	19D902544G1
AUDIO BRIDGE MODULE	19D902458P1
MULTITONE I/F MODULE	19D902515P1
MODEM SHELF	19D902542G1
MODEM I/F MODULE (9600 BAUD)	19D902442P1
MODEM MODULE (9600 BAUD)	19A705178P1

MODULE LOCATION IN RACKS

DIGITAL DELAY SHELF			
DIGITAL			
SLOT 01	DIGITAL DELAY MODULE	SITE #01 CHANNELS 1-10	
SLOT 02	DIGITAL DELAY MODULE	SITE #02 CHANNELS 1-10	
SLOT 03	DIGITAL DELAY MODULE	SITE #03 CHANNELS 1-10	
		SITE #04 CHANNELS 1-10	
		SITE #05 CHANNELS 1-10	
UNIVERSAL SYN SHELF			
SLOT 01	ALARM MODULE		
SLOT 02	150 BAUD DATA SELECTOR MODULE		
SLOT 03	FSK MODEM		
SLOT 04			
SLOT 05	UNIVERSAL SYN MODULE	CHANNELS 01-04	
SLOT 06	UNIVERSAL SYN MODULE	CHANNELS 05-08	
SLOT 12	9.6 CLOCK SELECTOR MODULE		

ANALOG PROCESSION SHELF #2

SLOT 01	150 BAUD BRIDGE
SLOT 02	MULTIONE MODULE SITE 01-04
SLOT 03	MULTIONE MODULE SITE 05-08

MODEM SHELF

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

ANALOG DELAY SHELF

ANALOG DELAY	
SLOT 01	ANALOG DELAY MODULE SITE #01 CHANNELS 01-10
SLOT 03	ANALOG DELAY MODULE SITE #02 CHANNELS 01-10
SLOT 05	ANALOG DELAY MODULE SITE #03 CHANNELS 01-10
SLOT 07	ANALOG DELAY MODULE SITE #04 CHANNELS 01-10
SLOT 09	ANALOG DELAY MODULE SITE #05 CHANNELS 01-10

AUDIO PROCESSING SHELF #1

SLOT #1	COMPRESSOR
SLOT #2	AUDIO BRIDGE
SLOT #3	EQUALIZER SITE #1
SLOT #4	EQUALIZER SITE #2
SLOT #5	EQUALIZER SITE #3
SLOT #6	EQUALIZER SITE #4
SLOT #7	EQUALIZER SITE #5
SLOT #8	
SLOT #9	
SLOT #10	
SLOT #11	
SLOT #12	

5 SITE 5 CHANNEL

Cable Connections, Module Location & Identification

RACK #1 APPLICATION ASM 19D904160P6
 RACK #2 APPLICATION ASM 19D904160P7

FROM RACK #1		TO		CABLE								
S1	DIGITAL CROSS CONNECT	J57	MODEM SHELF D100-A	J01	19D903985P14	A	DIGITAL CROSS CONNECT	J26	JACKFIELD D600	P01	19D903985P24	
S1	DIGITAL CROSS CONNECT	J87	MODEM SHELF D100-A	J02	19D903985P16	A	ANALOG PROC SHF D700	J02	JACKFIELD D600	P02	19D903985P52	
S2	DIGITAL CROSS CONNECT	J58	MODEM SHELF D101-A	J01	19D903985P14	A	DIGITAL CROSS CONNECT	J79	ANALOG PROC SHF D700	J02	19D903985P36	
S2	DIGITAL CROSS CONNECT	J88	MODEM SHELF D101-A	J02	19D903985P14	A	DIGITAL CROSS CONNECT	J82	ANALOG PROC SHF D700	J03	19D903985P36	
S3	DIGITAL CROSS CONNECT	J59	MODEM SHELF D102-A	J01	19D903985P14	A	DIGITAL CROSS CONNECT	J67	UNIV SYNC SHF D800	P01	19D903985P16	
S3	DIGITAL CROSS CONNECT	J89	MODEM SHELF D102-A	J02	19D903985P14	A	DIGITAL CROSS CONNECT	J68	UNIV SYNC SHF D800	P02	19D903985P16	
S4	DIGITAL CROSS CONNECT	J60	MODEM SHELF D103-A	J01	19D903985P14	A	DIGITAL CROSS CONNECT	J69	UNIV SYNC SHF D800	P03	19D903985P16	
S4	DIGITAL CROSS CONNECT	J90	MODEM SHELF D103-A	J02	19D903985P14	A	DIGITAL CROSS CONNECT	J70	UNIV SYNC SHF D800	P04	19D903985P16	
S5	DIGITAL CROSS CONNECT	J61	MODEM SHELF D104-A	J01	19D903985P14	A	DIGITAL CROSS CONNECT	J78	UNIV SYNC SHF D800	P12	19D903985P16	
S5	DIGITAL CROSS CONNECT	J91	MODEM SHELF D104-A	J02	19D903985P14	A	DIGITAL CROSS CONNECT	J98	PANEL #3 A1	P01	19D903985P14	
S1	MODEM SHELF D100-A	J04	JACKFIELD D602	P01	19D903985P22	A	PANEL #3 A1	P02	JACKFIELD D601	J01	19D903985P36	
S1	MODEM SHELF D100-A	J06	JACKFIELD D602	P02	19D903985P22	A	DIGITAL CROSS CONNECT	J99	PANEL #3 A2	P01	19D903985P14	
S2	MODEM SHELF D101-A	J04	JACKFIELD D604	P01	19D903985P22	A	PANEL #3 A2	P02	JACKFIELD D601	P01	19D903985P26	
S2	MODEM SHELF D101-A	J06	JACKFIELD D604	P02	19D903985P22	A	DIGITAL CROSS CONNECT	J85	PANEL #3 A3	P01	19D903985P14	
S3	MODEM SHELF D102-A	J04	JACKFIELD D606	P01	19D903985P22	A	PANEL #3 A3	P02	JACKFIELD D601	J02	19D903985P36	
S3	MODEM SHELF D102-A	J06	JACKFIELD D606	P02	19D903985P22	A	DIGITAL CROSS CONNECT	J86	PANEL #3 A4	P01	19D903985P14	
S4	MODEM SHELF D103-A	J04	JACKFIELD D608	P01	19D903985P22	A	PANEL #3 A4	P02	JACKFIELD D601	P02	19D903985P26	
S4	MODEM SHELF D103-A	J06	JACKFIELD D608	P02	19D903985P22	DCC	DIGITAL CROSS CONNECT	J80	CONNECTOR PANEL #01	P06	19D903985P24	
S5	MODEM SHELF D104-A	J04	JACKFIELD D610	P01	19D903985P22	DCC	DIGITAL CROSS CONNECT	J81	CONNECTOR PANEL #01	P07	19D903985P24	
S5	MODEM SHELF D104-A	J06	JACKFIELD D610	P02	19D903985P22	DCC	DIGITAL CROSS CONNECT	J83	CONNECTOR PANEL #01	P08	19D903985P24	
S1 C01-10	DIGITAL CROSS CONNECT	J27	DIGITAL DELAY D300	P01	19D903985P18	DCC	DIGITAL CROSS CONNECT	J84	CONNECTOR PANEL #01	P09	19D903985P24	
S2 C01-10	DIGITAL CROSS CONNECT	J28	DIGITAL DELAY D300	P02	19D903985P18	ANALOG CROSS CONNECTION						
S3 C01-10	DIGITAL CROSS CONNECT	J29	DIGITAL DELAY D300	P03	19D903985P18	RACK #2						
S4 C01-10	DIGITAL CROSS CONNECT	J30	DIGITAL DELAY D300	P04	19D903985P18	A	JACKFIELD A600	P01	ANALOG PROC SHF A401	J01	19D903985P22	
S5 C01-10	DIGITAL CROSS CONNECT	J31	DIGITAL DELAY D300	P05	19D903985P18	C01	ANALOG CROSS CONNECT	J01	ANALOG PROC SHF A401	J03	19D903985P64	
C01	DIGITAL CROSS CONNECT	J01	CONNECTOR PANEL #01	P01	19D903985P24	C02	ANALOG CROSS CONNECT	J02	ANALOG PROC SHF A402	J03	19D903985P64	
C02	DIGITAL CROSS CONNECT	J02	CONNECTOR PANEL #01	P02	19D903985P24	C03	ANALOG CROSS CONNECT	J03	ANALOG PROC SHF A403	J03	19D903985P62	
C03	DIGITAL CROSS CONNECT	J03	CONNECTOR PANEL #01	P03	19D903985P24	C04	ANALOG CROSS CONNECT	J04	ANALOG PROC SHF A404	J03	19D903985P62	
C04	DIGITAL CROSS CONNECT	J04	CONNECTOR PANEL #01	P04	19D903985P24	C05	ANALOG CROSS CONNECT	J05	ANALOG PROC SHF A405	J03	19D903985P62	
C05	DIGITAL CROSS CONNECT	J05	CONNECTOR PANEL #01	P05	19D903985P24	S1 C1-20	ANALOG CROSS CONNECT	J36	ANALOG DELAY SHF A200	P01	19D903985P18	
C1-4	DIGITAL CROSS CONNECT	J71	UNIV SYNC SHF D800	P05	19D903985P16	S2 C1-20	ANALOG CROSS CONNECT	J37	ANALOG DELAY SHF A200	P02	19D903985P18	
C5-8	DIGITAL CROSS CONNECT	J72	UNIV SYNC SHF D800	P06	19D903985P16	S3 C1-20	ANALOG CROSS CONNECT	J38	ANALOG DELAY SHF A200	P03	19D903985P18	
						S4 C1-20	ANALOG CROSS CONNECT	J39	ANALOG DELAY SHF A200	P04	19D903985P18	
						S5 C1-20	ANALOG CROSS CONNECT	J30	ANALOG DELAY SHF A200	P05	19D903985P18	
						S 1-2-3	ANALOG CROSS CONNECT	J31	ANALOG DELAY SHF A200	P11	19D903985P18	
						S 4-5	ANALOG CROSS CONNECT	J32	ANALOG DELAY SHF A200	P12	19D903985P18	
						S1 C1-20	ANALOG DELAY SHF A200	P06	JACKFIELD A600	P02	19D903985P24	
						S2 C1-20	ANALOG DELAY SHF A200	P07	JACKFIELD A601	P01	19D903985P24	
						S3 C1-20	ANALOG DELAY SHF A200	P08	JACKFIELD A601	P02	19D903985P24	
						S4 C1-20	ANALOG DELAY SHF A200	P09	JACKFIELD A602	P01	19D903985P24	
						S5 C1-20	ANALOG DELAY SHF A200	P10	JACKFIELD A602	P02	19D903985P24	
						S 1-2-3	ANALOG DELAY SHF A200	P13	PANEL #3 B1	J1	19D903985P14	
						S 4-5	ANALOG DELAY SHF A200	P14	PANEL #3 B1	J2	19D903985P14	
						150 DATA	PANEL #3 B1	J5	JACKFIELD A603	P01	19D903985P52	

5 SITE 5 CHANNEL

Cable Connections, Module Location & Identification

(344A4224, Sh. 3, Rev. 2)

(344A4224, Sh. 4, Rev. 2)

C2	ANALOG PROC SHF A401	J02	ANALOG PROC SHF A402 J01	19D903985P12	PP2	POWER PANEL #02	P01	MODEM SHELF D100A	TB1	19D903880P714		
C3	ANALOG PROC SHF A402	J02	ANALOG PROC SHF A403 J01	19D903985P12	PP2	POWER PANEL #02	P02	MODEM SHELF D101A	TB1	19D903880P714		
C4	ANALOG PROC SHF A403	J02	ANALOG PROC SHF A404 J01	19D903985P12	PP2	POWER PANEL #02	P03	MODEM SHELF D102A	TB1	19D903880P714		
C5	ANALOG PROC SHF A404	J02	ANALOG PROC SHF A405 J01	19D903985P12	PP2	POWER PANEL #02	P04	MODEM SHELF D103A	TB1	19D903880P714		
ACC	ANALOG CROSS CONNECT	J33	CONNECTOR PANEL #01 P01	19D903985P24	PP2	POWER PANEL #02	P04A	MODEM SHELF D104A	TB1	19D903880P714		
ACC	ANALOG CROSS CONNECT	J34	CONNECTOR PANEL #01 P02	19D903985P24	PS2	TB1-01	YELLOW	+5	POWER PANEL LUG #1	BUS+5	19D903880P766	
-----					PS2	TB1-02	YELLOW	+5				
POWER CONNECTIONS					PS2	TB1-03	YELLOW	+5	POWER PANEL LUG #1	BUS+5		
RACK #1					PS2	TB1-04	YELLOW	+5				
PP1	POWER PANEL #01	P05	DIGITAL DELAY SHELF	TB1	19D903880P721	PS2	TB1-05	YELLOW	+5			
PP1	POWER PANEL #01	P07	UNIVERSAL SYN SHELF	TB1	19D903880P784	PS2	TB1-06	YELLOW	+5			
PP1	POWER PANEL #01	P08	ANALOG PROC SHLF #2	TB1	19D903880P733	PS2	TB1-07	BLACK	GND	POWER PANEL LUG #2	BUSGD	
PS1	TB1-01	YELLOW	+5	POWER PANEL LUG #1	BUS+5	19D903880P762	PS2	TB1-08	BLACK	GND		
PS1	TB1-02	YELLOW	+5				PS2	TB1-09	BLACK	GND		
PS1	TB1-03	YELLOW	+5				PS2	TB1-10	BLACK	GND	POWER PANEL LUG #2	
PS1	TB1-04	YELLOW	+5	POWER PANEL LUG #1	BUS+5		PS2	TB1-11	BLACK	GND	BUSGD	
PS1	TB1-05	YELLOW	+5				PS2	TB1-12	BLACK	GND		
PS1	TB1-06	YELLOW	+5				PS2	TB1-13	ORANGE	+12	POWER PANEL P11-01	
PS1	TB1-07	BLACK	GND	POWER PANEL LUG #2	BUSGD		PS2	TB1-14	BLUE	-12	P11-02	
PS1	TB1-08	BLACK	GND				PS2	TB1-14	BLUE	-12	P11-03	
PS1	TB1-09	BLACK	GND				PS2	TB1-15	BLACK	GND	P11-04	
PS1	TB1-10	BLACK	GND	POWER PANEL LUG #2	BUSGD		PS2	TB1-16	BROWN	+5 SENS	POWER PANEL LUG #1	
PS1	TB1-11	BLACK	GND				PS2	TB1-17	WHITE	-5 SENS	POWER PANEL LUG #2	
PS1	TB1-12	BLACK	GND				RACK #2					
PS1	TB1-13	ORANGE	+12	POWER PANEL P11-01			PS1	POWER SUPPLY PS1	TB1-1/6	POWER SUPPLY PS2	TB1-1/6	19D903880P810
PS1	TB1-14	BLUE	-12	P11-02			PS2	POWER PANEL #01	P13			19D903880P804
PS1	TB1-14	BLUE	-12	P11-03				P13-01	BLUE	-12	POWER SUPPLY PS2	TB1- #1
PS1	TB1-15	BLACK	GND	P11-04				P13-02	BLUE	-12	POWER SUPPLY PS2	TB1- #2
PS1	TB1-16	BROWN	+5 SENS	POWER PANEL LUG #1	BUS+5			P13-03	BLACK	GND	POWER SUPPLY PS2	TB1- #3
PS1	TB1-17	WHITE	-5 SENS	POWER PANEL LUG #2	BUSGD			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

5 SITE 5 CHANNEL

Cable Connections, Module Location & Identification

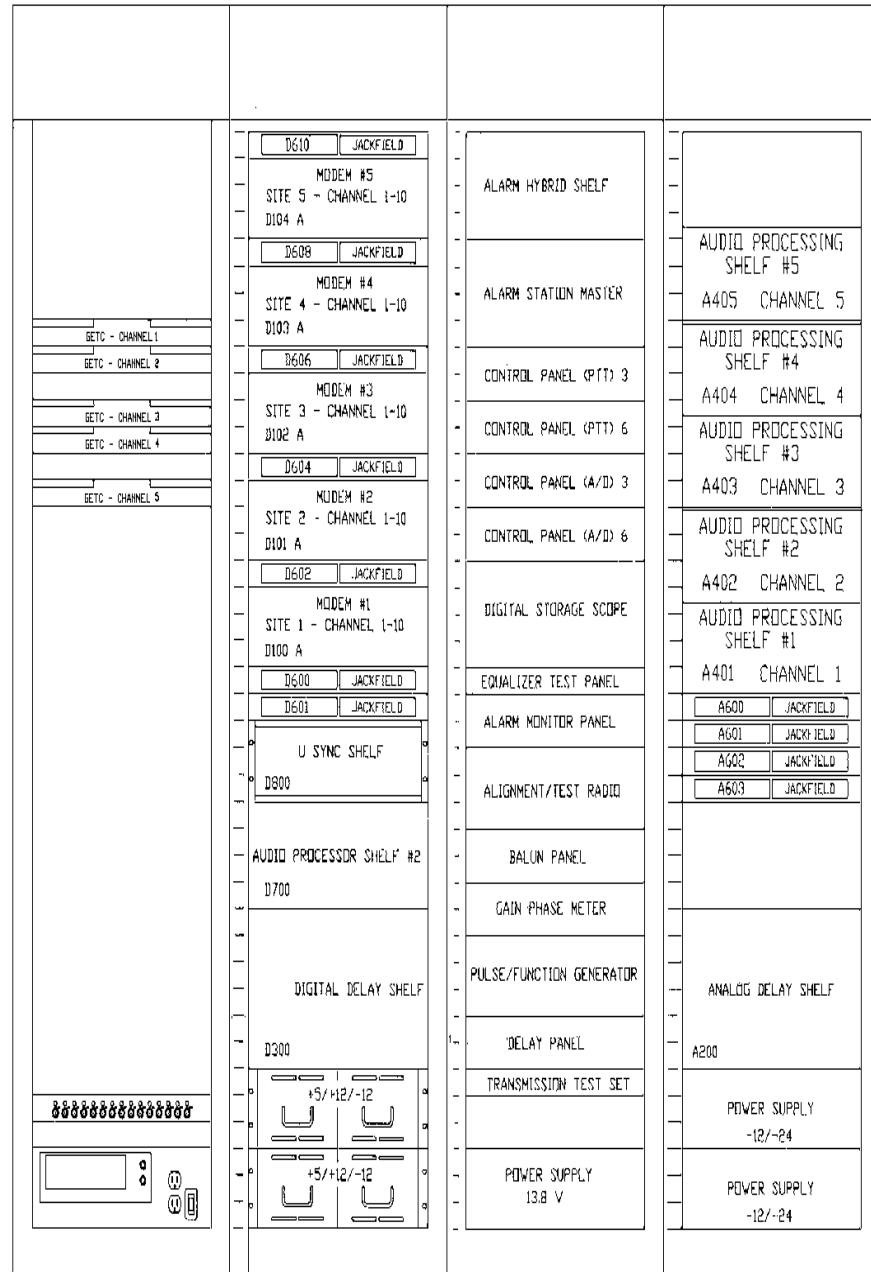
CABINET TO CABINET CABLES (FIELD)

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 02	P06	RACK TEST CONNECTOR PANEL 01	P01	19D903880P120
RACK #1 CONNECTOR PANEL 02	P07	RACK TEST CONNECTOR PANEL 01	P02	19D903880P120
RACK #1 CONNECTOR PANEL 02	P08	RACK #3 CONNECTOR PANEL 01	P01	19D903880P123
RACK #1 CONNECTOR PANEL 02	P09	FIELD INSTAL DIGITAL ALARMS		
DIGITAL CROSS CONNECT	P97	GETC CAB. SYN CTRL (SER DATA J24)		19D903880P25
RACK #2 CONNECTOR PANEL 01	P02	FIELD INSTAL ANALOG BSEL		
PP1 RACK #1 POWER PANEL #01	P09	TEST RACK ALARM SHELF *	TB1	19D903880P740
PP1 RACK #1 POWER PANEL #01	P12	RACK #4 POWER PANEL #01(-24)	P14	19D903880P750
PP1 RACK #1 POWER PANEL #01	P06	RACK #4 ANALOG DELAY SHELF	TB1	19D903880P729

5 SITE 5 CHANNEL

Cable Connections, Module Location & Identification

(344A4224, Sh. 7, Rev. 2)



GETC RACK
PER PART 22

⑥ RACK 1
FRONT VIEW

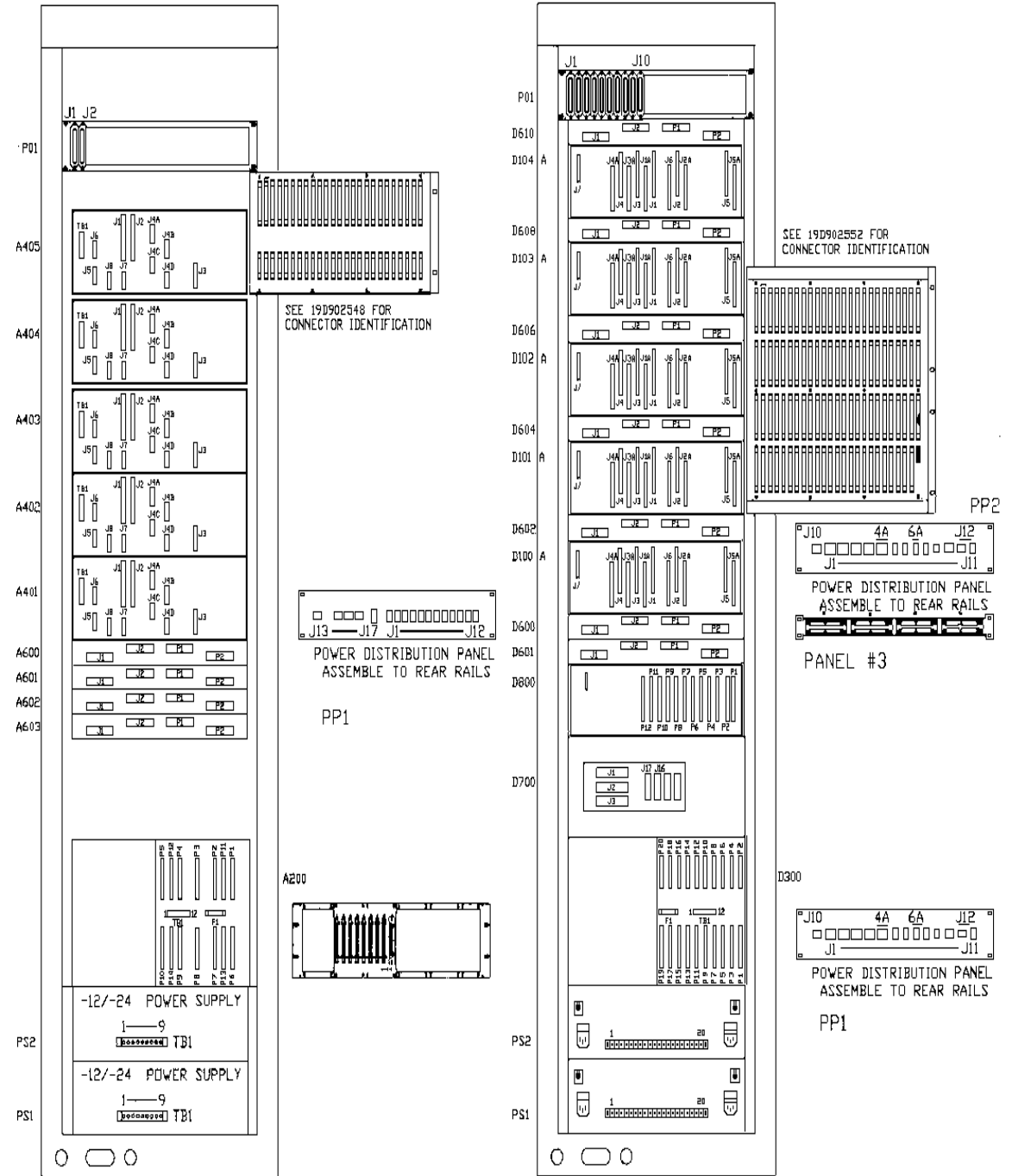
TEST RACK
PER PART 24

⑦ RACK 2
FRONT VIEW

SEE 344A4224 FOR
MODULE IDENTIFICATION
AND CONNECTION LIST

**5 SITE 5 CHANNEL
Equipment Rackup**
19D904160P6, 7

(19D904160, Sh. 8, Rev. 2)



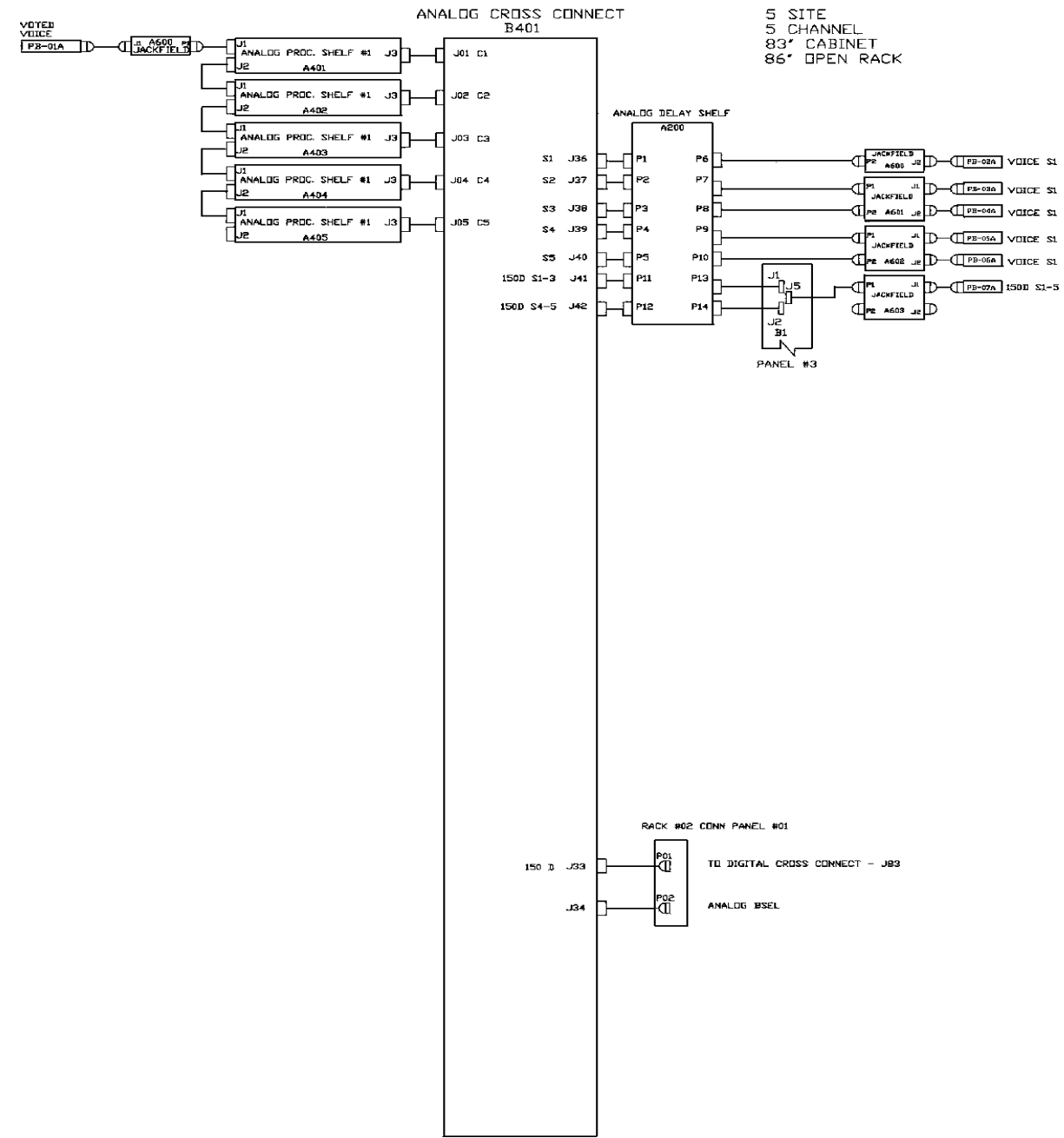
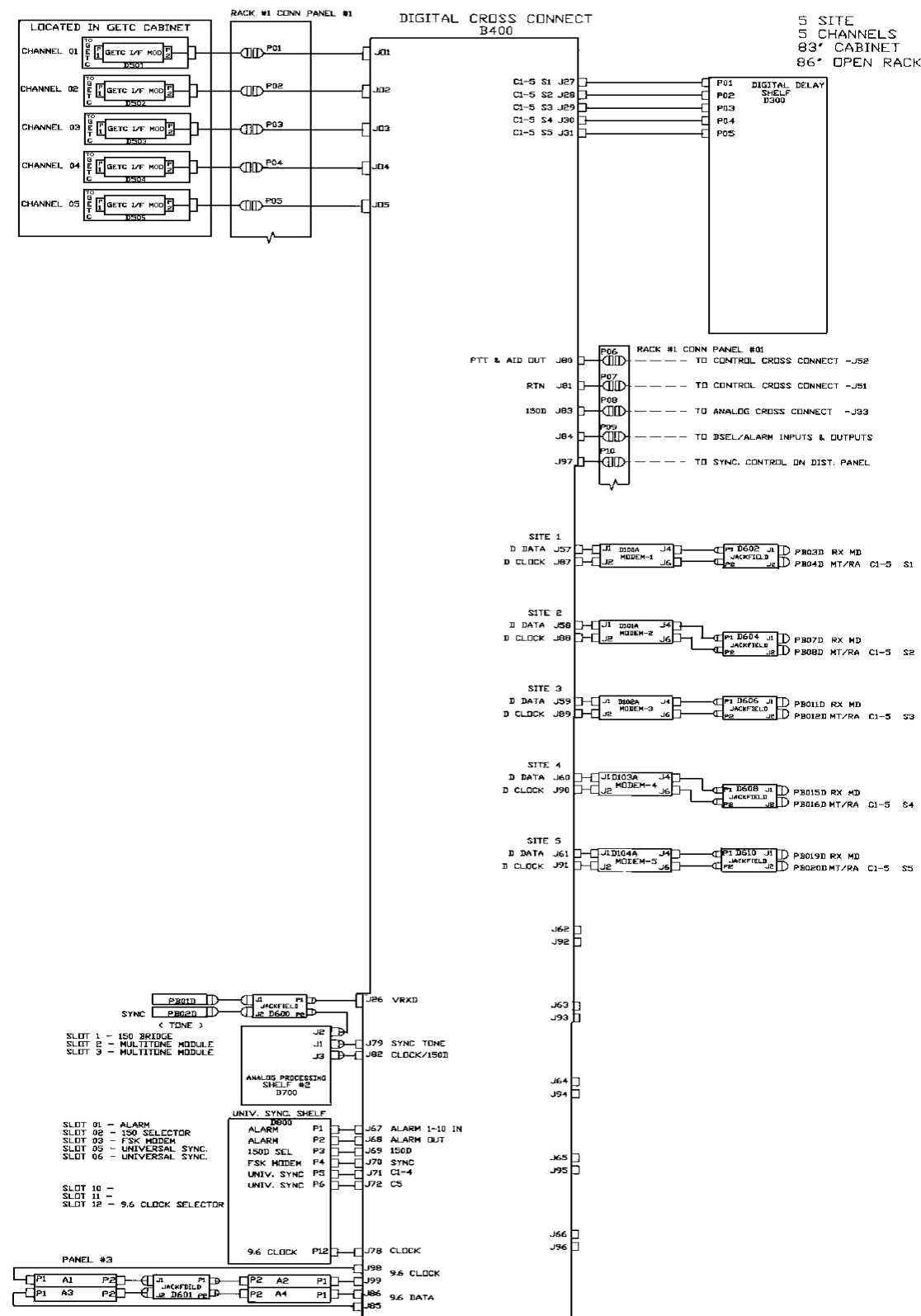
⑦ RACK 2
REAR VIEW

⑥ RACK 1
REAR VIEW

SEE 344A4224 FOR
MODULE IDENTIFICATION
AND CONNECTION LIST

**5 SITE 5 CHANNEL
Equipment Rackup**
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(19D904160, Sh. 9, Rev. 2)



5 SITE 5 CHANNEL
Digital Cross Connect Block Diagram

5 SITE 5 CHANNEL
Analog Cross Connect Block Diagram

(19C852274, Rev. 2)

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