

**MAINTENANCE MANUAL
SIMULCAST SYSTEM DRAWINGS
CONTROL POINT COMMON EQUIPMENT
4 SITE 20 CHANNEL CONFIGURATION**

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DESCRIPTION

This manual contains the equipment configuration drawings, cable inter and intrarack wiring diagrams required for installation and maintenance of a Simulcast System with up to 4 sites and 20 channels. It also contains the cable connection lists that provide detailed rack interconnect cabling information to support the wiring diagrams referenced above. They also identify the location of the equipment modules in each shelf. Being aware of the information contained on each of these drawings make servicing the simulcast system easier.

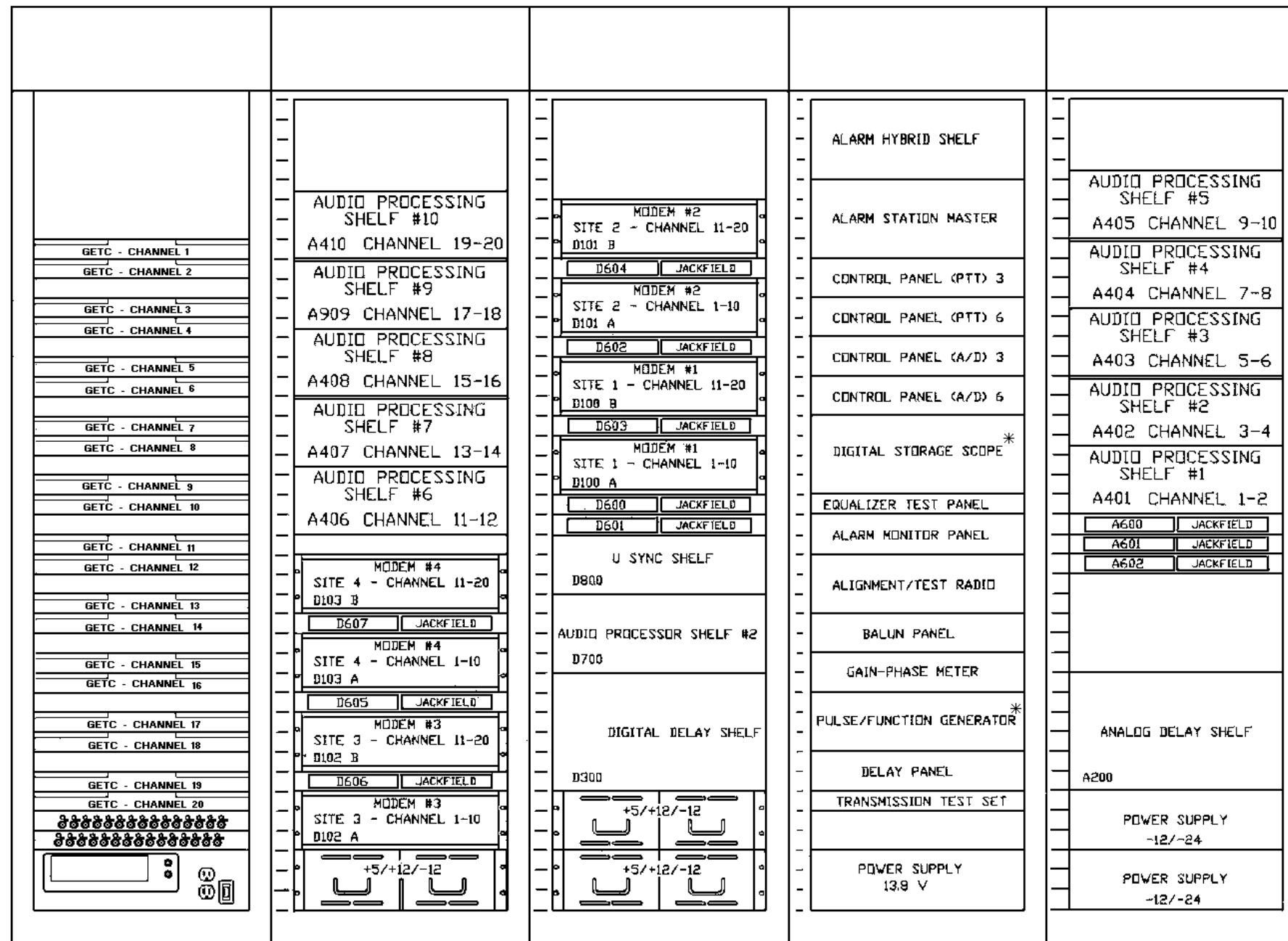
The configuration drawings identify the shelves and the site/channel associations of each, where applicable, of the various shelves located in the Digital, Analog, GETC, and Test Equipment racks used in the Simulcast Communications System. The configuration drawings also show the rear view of the racks to identify the interconnecting jack and cable terminations for each shelf on the digital and analog equipment racks.

Field installation drawings show the cabinet interconnect cabling between the simulcast digital, analog and test equipment racks and also between digital rack 1 of the simulcast equipment and the GETC, RIC, and Site Controller cabinets. Detailed cable termination points are given on cable connection list 344A4886 referenced on the field installation drawings.

DC power wiring diagrams show the power distribution wiring from the power supplies through the power panel to the various shelves in each equipment rack. Cable connection list 344A4223 identifies the location of each module within the rack and details the interrack cabling connections.

Digital cross connect diagrams define the cable connections between the digital cross connect panel and connector panels #1 and 2, digital delay shelf, analog processing shelf #2, and the universal sync shelf. The diagram traces the digital channel paths from the GETC/GETC interface module through the connector panel and digital cross connect panel to the digital delay shelf. It also shows the data and clock interconnections, for each site, through the modems and jackfields to the digital cross connect panel.

Analog cross connect diagrams show the interconnections between the analog processing shelf #1, the connector panel, and the analog delay shelf that provide the voice channels for the simulcast system. It also shows the 150 baud interconnect with the digital cross connect and analog BSEL.



GETC RACK
PER PART 22

5 RACK 2
FRONT VIEW

3 RACK 1
FRONT VIEW

TEST RACK *
PER PART 24

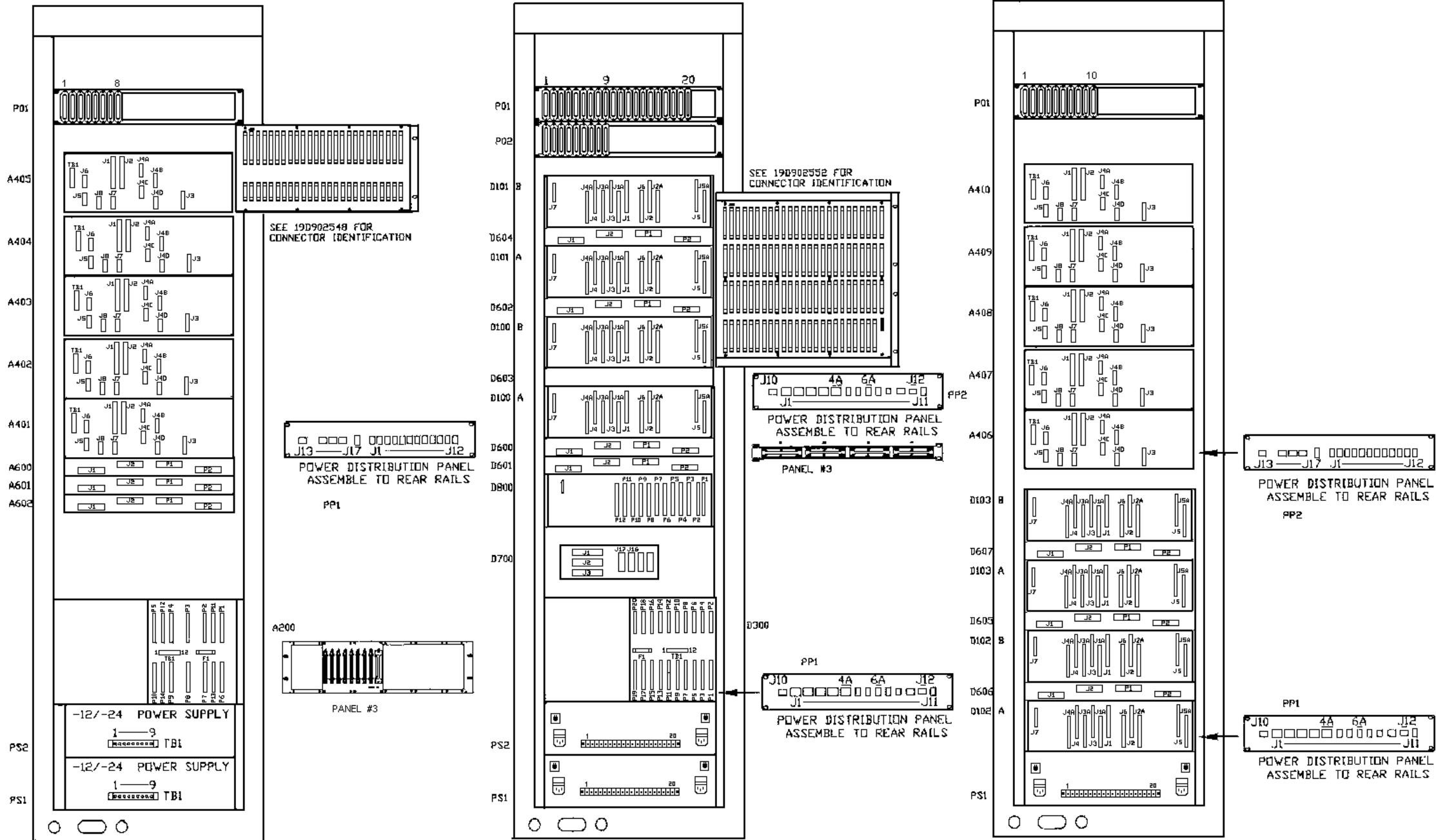
4 RACK 3
FRONT VIEW

4 SITE 20 CHANNEL CONFIGURATION Equipment Rackup, Front View

(19D904160 Sh. 6, Rev. 4)

SEE 344A4223 FOR
MODULE IDENTIFICATION
AND CONNECTION LIST

* ALL TEST RACKS TO HAVE 19D904490 SUPPORT UNDER REAR OF PULSE/FUNCTION GENERATOR AND ABOVE AND BELOW DIGITAL STORAGE SCOPE. ONE 19A134011P1 SCREW AND N403P13B6 L'WASHER TO FASTEN EACH END.



④ RACK 3 REAR VIEW

③ RACK 1 REAR VIEW

⑤ RACK 2 REAR VIEW

**4 SITE 20 CHANNEL CONFIGURATION
Equipment Rackup, Rear View**

(19D904160 Sh. 7, Rev. 3

SEE 344A4223 FOR
MODULE IDENTIFICATION
AND CONNECTION LIST

SHELF AND MODULE NUMBERS

DIGITAL DELAY SHELF	19D902531G21
DIGITAL DELAY MODULE	19D902524P1
ANALOG DELAY SHELF	19D902531G3 OR G6
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

DIGITAL DELAY SHELF

DIGITAL DELAY		
SLOT 01	DIGITAL DELAY MODULE	SITE #01 CHANNELS 1-10 SITE #02 CHANNELS 1-10
SLOT 02	DIGITAL DELAY MODULE	SITE #03 CHANNELS 1-10 SITE #04 CHANNELS 1-10
SLOT 06	DIGITAL DELAY MODULE	SITE #01 CHANNELS 11-20 SITE #02 CHANNELS 11-20
SLOT 07	DIGITAL DELAY MODULE	SITE #03 CHANNELS 11-20 SITE #04 CHANNELS 11-20

UNIVERSAL SYN SHELF

SLOT 01	ALARM MODULE
SLOT 02	150 BAUD DATA SELECTOR MODULE
SLOT 03	FSK MODEM
SLOT 05	UNIVERSAL SYN MODULECHANNELS 01-04
SLOT 06	UNIVERSAL SYN MODULECHANNELS 05-08
SLOT 07	UNIVERSAL SYN MODULECHANNELS 09-12
SLOT 08	UNIVERSAL SYN MODULECHANNELS 13-16
SLOT 09	UNIVERSAL SYN MODULECHANNELS 17-20
SLOT 12	9.6 CLOCK SELECTOR MODULE

ANALOG PROCESSING SHELF #2

SLOT 01	150 BAUD BRIDGE
SLOT 02	MULTITONE MODULE SITE 01-04

MODEM SHELF

SLOT 01	MODEM INTERFACE MODULE SITE #XX
SLOT 02	MODEM MODULE CHANNEL 01/11
SLOT 03	MODEM INTERFACE MODULE SITE #XX
SLOT 04	MODEM MODULE CHANNEL 02/12
SLOT 05	MODEM INTERFACE MODULE SITE #XX
SLOT 06	MODEM MODULE CHANNEL 03/13
SLOT 07	MODEM INTERFACE MODULE SITE #XX
SLOT 08	MODEM MODULE CHANNEL 04/14
SLOT 09	MODEM INTERFACE MODULE SITE #XX
SLOT 10	MODEM MODULE CHANNEL 05/15
SLOT 11	MODEM INTERFACE MODULE SITE #XX
SLOT 12	MODEM MODULE CHANNEL 06/16
SLOT 13	MODEM INTERFACE MODULE SITE #XX
SLOT 14	MODEM MODULE CHANNEL 07/17
SLOT 15	MODEM INTERFACE MODULE SITE #XX
SLOT 16	MODEM MODULE CHANNEL 08/18
SLOT 17	MODEM INTERFACE MODULE SITE #XX
SLOT 18	MODEM MODULE CHANNEL 09/19
SLOT 19	MODEM INTERFACE MODULE SITE #XX
SLOT 20	MODEM MODULE CHANNEL 10/20

4 SITE 20 CHANNEL CONFIGURATION
Module Location & Identification

(344A4223 Sh. 1, Rev. 3)

4 SITE 20 CHANNEL CONFIGURATION
Module Location & Identification

(344A4223, Rev. 3)

ANALOG DELAY SHELF, SITES 1-4**ANALOG DELAY**

SLOT 01	ANALOG DELAY MODULE	SITE #01 CHANNELS	01-12
SLOT 02	ANALOG DELAY MODULE	SITE #01 CHANNELS	13-20
SLOT 03	ANALOG DELAY MODULE	SITE #02 CHANNELS	01-12
SLOT 04	ANALOG DELAY MODULE	SITE #02 CHANNELS	13-20
SLOT 05	ANALOG DELAY MODULE	SITE #03 CHANNELS	01-12
SLOT 06	ANALOG DELAY MODULE	SITE #03 CHANNELS	13-20
SLOT 07	ANALOG DELAY MODULE	SITE #04 CHANNELS	01-12
SLOT 08	ANALOG DELAY MODULE	SITE #04 CHANNELS	13-20
SLOT 09			
SLOT 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	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 19D904160P3

FROM	TO	CABLE
S1 DIGITAL CROSS CONNECT J57	MODEM SHELF D100-A J01	19D903985P14
S1 DIGITAL CROSS CONNECT J87	MODEM SHELF D100-A J02	19D903985P16
S2 DIGITAL CROSS CONNECT J58	MODEM SHELF D101-A J01	19D903985P14
S2 DIGITAL CROSS CONNECT J88	MODEM SHELF D101-A J02	19D903985P14
S1 MODEM SHELF D100-A J04	JACKFIELD D602 P01	19D903985P22
S1 MODEM SHELF D100-A J06	JACKFIELD D603 P01	19D903985P22
S1 MODEM SHELF D100-B J06	JACKFIELD D603 P02	19D903985P22
S2 MODEM SHELF D101-A J04	JACKFIELD D602 P02	19D903985P22
S2 MODEM SHELF D101-A J06	JACKFIELD D604 P01	19D903985P22
S2 MODEM SHELF D101-B J06	JACKFIELD D604 P02	19D903985P22

S1 MODEM SHELF D100-A J1A	MODEM SHELF D100-B J1	19D903985P12
S1 MODEM SHELF D100-A J2A	MODEM SHELF D100-B J2	19D903985P12
S1 MODEM SHELF D100-A J3A	MODEM SHELF D100-B J3	19D903985P12
S1 MODEM SHELF D100-A J4A	MODEM SHELF D100-B J4	19D903985P12
S2 MODEM SHELF D101-A J1A	MODEM SHELF D101-B J1	19D903985P12
S2 MODEM SHELF D101-A J2A	MODEM SHELF D101-B J2	19D903985P12
S2 MODEM SHELF D101-A J3A	MODEM SHELF D101-B J3	19D903985P12
S2 MODEM SHELF D101-A J4A	MODEM SHELF D101-B J4	19D903985P12

S1 C01-10 DIGITAL CROSS CONNECT J27	DIGITAL DELAY D300 P01	19D903985P16
S2 C01-10 DIGITAL CROSS CONNECT J28	DIGITAL DELAY D300 P02	19D903985P16
S3 C01-10 DIGITAL CROSS CONNECT J29	DIGITAL DELAY D300 P03	19D903985P16
S4 C01-10 DIGITAL CROSS CONNECT J30	DIGITAL DELAY D300 P04	19D903985P16

S1 C11-20 DIGITAL CROSS CONNECT J37	DIGITAL DELAY D300 P11	19D903985P18
S2 C11-20 DIGITAL CROSS CONNECT J38	DIGITAL DELAY D300 P12	19D903985P18
S3 C11-20 DIGITAL CROSS CONNECT J39	DIGITAL DELAY D300 P13	19D903985P18
S4 C11-20 DIGITAL CROSS CONNECT J40	DIGITAL DELAY D300 P14	19D903985P18

C01 DIGITAL CROSS CONNECT J01	CONNECTOR PANEL #01 P01	19D903985P24
C02 DIGITAL CROSS CONNECT J02	CONNECTOR PANEL #01 P02	19D903985P24
C03 DIGITAL CROSS CONNECT J03	CONNECTOR PANEL #01 P03	19D903985P24
C04 DIGITAL CROSS CONNECT J04	CONNECTOR PANEL #01 P04	19D903985P24
C05 DIGITAL CROSS CONNECT J05	CONNECTOR PANEL #01 P05	19D903985P24
C06 DIGITAL CROSS CONNECT J06	CONNECTOR PANEL #01 P06	19D903985P24
C07 DIGITAL CROSS CONNECT J07	CONNECTOR PANEL #01 P07	19D903985P24
C08 DIGITAL CROSS CONNECT J08	CONNECTOR PANEL #01 P08	19D903985P24
C09 DIGITAL CROSS CONNECT J09	CONNECTOR PANEL #01 P09	19D903985P24
C10 DIGITAL CROSS CONNECT J10	CONNECTOR PANEL #01 P10	19D903985P24
C11 DIGITAL CROSS CONNECT J11	CONNECTOR PANEL #01 P11	19D903985P24
C12 DIGITAL CROSS CONNECT J12	CONNECTOR PANEL #01 P12	19D903985P24
C13 DIGITAL CROSS CONNECT J13	CONNECTOR PANEL #01 P13	19D903985P24
C14 DIGITAL CROSS CONNECT J14	CONNECTOR PANEL #01 P14	19D903985P24
C15 DIGITAL CROSS CONNECT J15	CONNECTOR PANEL #01 P15	19D903985P24
C16 DIGITAL CROSS CONNECT J16	CONNECTOR PANEL #01 P16	19D903985P24
C17 DIGITAL CROSS CONNECT J17	CONNECTOR PANEL #01 P17	19D903985P24
C18 DIGITAL CROSS CONNECT J18	CONNECTOR PANEL #01 P18	19D903985P24
C19 DIGITAL CROSS CONNECT J19	CONNECTOR PANEL #01 P19	19D903985P24
C20 DIGITAL CROSS CONNECT J20	CONNECTOR PANEL #01 P20	19D903985P24

4 SITE 20 CHANNEL CONFIGURATION**Module Location/Identification, Rack #1 Modem Shelf**

(344A4223, Rev. 3)

4 SITE 20 CHANNEL CONFIGURATION**Rack #1 Modem Shelf/Digital Cross Connect**

(344A4223, Rev. 3)

C1-4	DIGITAL CROSS CONNECT	J71	UNIV. SYNC SHF D800	P05	19D903985P16	S3	MODEM SHELF D102-A	J04	JACKFIELD D605	P01	19D903985P22
C5-8	DIGITAL CROSS CONNECT	J72	UNIV. SYNC SHF D800	P06	19D903985P16	S3	MODEM SHELF D102-A	J06	JACKFIELD D606	P01	19D903985P22
C9-12	DIGITAL CROSS CONNECT	J73	UNIV. SYNC SHF D800	P07	19D903985P16	S3	MODEM SHELF D102-B	J06	JACKFIELD D606	P02	19D903985P22
C13-16	DIGITAL CROSS CONNECT	J74	UNIV. SYNC SHF D800	P08	19D903985P16	S4	MODEM SHELF D103-A	J04	JACKFIELD D605	P02	19D903985P22
C17-20	DIGITAL CROSS CONNECT	J75	UNIV. SYNC SHF D800	P09	19D903985P16	S4	MODEM SHELF D103-A	J06	JACKFIELD D608	P01	19D903985P22
						S4	MODEM SHELF D103-B	J06	JACKFIELD D608	P02	19D903985P22
A	DIGITAL CROSS CONNECT	J26	JACKFIELD D600	P01	19D903985P24	S3	MODEM SHELF D102-A	J1A	MODEM SHELF D102-B	J1	19D903985P12
A	ANALOG PROC SHF D700	J02	JACKFIELD D600	P02	19D903985P52	S3	MODEM SHELF D102-A	J2A	MODEM SHELF D102-B	J2	19D903985P12
A	DIGITAL CROSS CONNECT	J79	ANALOG PROC SHF D700	J01	19D903985P36	S3	MODEM SHELF D102-A	J3A	MODEM SHELF D102-B	J3	19D903985P12
A	DIGITAL CROSS CONNECT	J82	ANALOG PROC SHF D700	J03	19D903985P36	S3	MODEM SHELF D102-A	J4A	MODEM SHELF D102-B	J4	19D903985P12
A	DIGITAL CROSS CONNECT	J67	UNIV. SYNC SHF D800	P01	19D903985P16	S3	MODEM SHELF D102-A	J1A	MODEM SHELF D103-B	J1	19D903985P12
A	DIGITAL CROSS CONNECT	J68	UNIV. SYNC SHF D800	P02	19D903985P16	S4	MODEM SHELF D103-A	J2A	MODEM SHELF D103-B	J2	19D903985P12
A	DIGITAL CROSS CONNECT	J69	UNIV. SYNC SHF D800	P03	19D903985P16	S4	MODEM SHELF D103-A	J3A	MODEM SHELF D103-B	J3	19D903985P12
A	DIGITAL CROSS CONNECT	J70	UNIV. SYNC SHF D800	P04	19D903985P16	S4	MODEM SHELF D103-A	J4A	MODEM SHELF D103-B	J4	19D903985P12
A	DIGITAL CROSS CONNECT	J78	UNIV. SYNC SHF D800	P12	19D903985P16	S4	MODEM SHELF D103-A				
A	DIGITAL CROSS CONNECT	J98	PANEL #3 A1	P01	19D903985P14						
A	PANEL #3 A1 P02		JACKFIELD D601	J01	19D903985P36	C11-12	CONNECTOR PANEL 01	P05	ANALOG PROC SHF A406	J03	19D903985P48
A	DIGITAL CROSS CONNECT	J99	PANEL #3 A2	P01	19D903985P14	C13-14	CONNECTOR PANEL 01	P06	ANALOG PROC SHF A407	J03	19D903985P48
A	PANEL #3 A2 P02		JACKFIELD D601	P01	19D903985P26	C15-16	CONNECTOR PANEL 01	P07	ANALOG PROC SHF A408	J03	19D903985P48
A	DIGITAL CROSS CONNECT	J85	PANEL #3 A3	P01	19D903985P14	C17-18	CONNECTOR PANEL 01	P08	ANALOG PROC SHF A409	J03	19D903985P48
A	PANEL #3 A3 P02		JACKFIELD D601	J02	19D903985P36	C19-20	CONNECTOR PANEL 01	P09	ANALOG PROC SHF A410	J03	19D903985P46
A	DIGITAL CROSS CONNECT	J86	PANEL #3 A4	P01	19D903985P14	C10-11	CONNECTOR PANEL 01	P10	ANALOG PROC SHF A406	J01	19D903985P28
A	PANEL #3 A4 P02		JACKFIELD D601	P02	19D903985P26						
D102A	DIGITAL CROSS CONNECT	J59	CONNECTOR PANEL #02	P01	19D903985P24	C13-14	ANALOG PROC SHF A406	J02	ANALOG PROC SHF A407	J01	19D903985P12
D102B	DIGITAL CROSS CONNECT	J89	CONNECTOR PANEL #02	P02	19D903985P24	C15-16	ANALOG PROC SHF A407	J02	ANALOG PROC SHF A408	J01	19D903985P12
D103A	DIGITAL CROSS CONNECT	J60	CONNECTOR PANEL #02	P03	19D903985P24	C17-18	ANALOG PROC SHF A408	J02	ANALOG PROC SHF A409	J01	19D903985P12
D103B	DIGITAL CROSS CONNECT	J90	CONNECTOR PANEL #02	P04	19D903985P24	C19-20	ANALOG PROC SHF A409	J02	ANALOG PROC SHF A410	J01	19D903985P12
DCC	DIGITAL CROSS CONNECT	J80	CONNECTOR PANEL #02	P05	19D903985P24						
DCC	DIGITAL CROSS CONNECT	J81	CONNECTOR PANEL #02	P06	19D903985P24						
DCC	DIGITAL CROSS CONNECT	J83	CONNECTOR PANEL #02	P07	19D903985P24						
DCC	DIGITAL CROSS CONNECT	J84	CONNECTOR PANEL #02	P08	19D903985P24						
RACK #2	19D904160P5										
S3	CONNECTOR PANEL #01	P01	MODEM SHELF D102-A	J01	19D903985P28						
S3	CONNECTOR PANEL #01	P02	MODEM SHELF D102-A	J02	19D903985P28						
S4	CONNECTOR PANEL #01	P03	MODEM SHELF D103-A	J01	19D903985P28						
S4	CONNECTOR PANEL #01	P04	MODEM SHELF D103-A	J02	19D903985P28						
						RACK #3	19D904160P4				
						A	JACKFIELD A600	P01	ANALOG PROC SHF A401	J01	19D903985P22
						C01-02	ANALOG CROSS CONNECT	J01	ANALOG PROC SHF A401	J03	19D903985P64
						C03-04	ANALOG CROSS CONNECT	J02	ANALOG PROC SHF A402	J03	19D903985P64
						C05-06	ANALOG CROSS CONNECT	J03	ANALOG PROC SHF A403	J03	19D903985P62
						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 C1-20	ANALOG CROSS CONNECT	J26	ANALOG DELAY SHF A200	P01	19D903985P18
						S2 C1-20	ANALOG CROSS CONNECT	J27	ANALOG DELAY SHF A200	P02	19D903985P18
						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
						S 1-2-3	ANALOG CROSS CONNECT	J31	ANALOG DELAY SHF A200	P11	19D903985P18
						S 4	ANALOG CROSS CONNECT	J32	ANALOG DELAY SHF A200	P12	19D903985P18

4 SITE 20 CHANNEL CONFIGURATION
Rack # 2 Modem Shelf/Digital Cross Connect

(344A4223, Rev. 3)

4 SITE 20 CHANNEL CONFIGURATION
Rack #3 Analog Cross Connect

(344A4223, Rev. 3)

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
C 3-4	ANALOG PROC SHF A401	J02	ANALOG PROC SHF A402	J01	19D903985P12
C 5-6	ANALOG PROC SHF A402	J02	ANALOG PROC SHF A403	J01	19D903985P12
C 7-8	ANALOG PROC SHF A403	J02	ANALOG PROC SHF A404	J01	19D903985P12
C 9-10	ANALOG PROC SHF A404	J02	ANALOG PROC SHF A405	J01	19D903985P12
A406	ANALOG CROSS CONNECT	J06	CONNECTOR PANEL 01	P01	19D903985P44
A407	ANALOG CROSS CONNECT	J07	CONNECTOR PANEL 01	P02	19D903985P44
A408	ANALOG CROSS CONNECT	J08	CONNECTOR PANEL 01	P03	19D903985P44
A409	ANALOG CROSS CONNECT	J09	CONNECTOR PANEL 01	P04	19D903985P44
A410	ANALOG CROSS CONNECT	J10	CONNECTOR PANEL 01	P05	19D903985P44
ACC	ANALOG PROC SHF A405	J02	CONNECTOR PANEL 01	P06	19D903985P22
ACC	ANALOG CROSS CONNECT	J33	CONNECTOR PANEL 01	P07	19D903985P24
ACC	ANALOG CROSS CONNECT	J34	CONNECTOR PANEL 01	P08	19D903985P24

ANALOG DELAY SHELF 19D902531G3

150 DATA	ANALOG DELAY SHF A200	P13	PANEL #3 B1	J01	19D903985P14
150 DATA	ANALOG DELAY SHF A200	P14	PANEL #3 B1	J02	19D903985P14
150 DATA	PANEL #3 B1	J05	JACKFIELD A602	P02	19D903985P52

ANALOG DELAY SHELF 19D902531G6

150 DATA	ANALOG DELAY SHF A200	P13	JACKFIELD A602	P02	19D903985P24
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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 P16/P17	19D903880P733
PS1	TB1-01	YELLOW	+5	BUS+5
PS1	TB1-02	YELLOW	+5	
PS1	TB1-03	YELLOW	+5	
PS1	TB1-04	YELLOW	+5	BUS+5
PS1	TB1-05	YELLOW	+5	
PS1	TB1-06	YELLOW	+5	

PS1	TB1-07	BLACK	GND	BUSGD
PS1	TB1-08	BLACK	GND	
PS1	TB1-09	BLACK	GND	
PS1	TB1-10	BLACK	GND	BUSGD
PS1	TB1-11	BLACK	GND	
PS1	TB1-12	BLACK	GND	
PS1	TB1-13	ORANGE	+12	BUS+12
PS1	TB1-14	BLUE	-12	BUS-12
PS1	TB1-14	BLUE	-12	BUS-12
PS1	TB1-15	BLACK	GND	BUSGD
PS1	TB1-16	BROWN	+5 SENS	BUS +5
PS1	TB1-17	WHITE	RTN SENS	BUSGD
PP2	POWER PANEL #02	P01	MODEM SHELF D100A	TB1 19D903880P714
PP2	POWER PANEL #02	P02	MODEM SHELF D100B	TB1 19D903880P714
PP2	POWER PANEL #02	P03	MODEM SHELF D101A	TB1 19D903880P714
PP2	POWER PANEL #02	P04	MODEM SHELF D101B	TB1 19D903880P714
PS2	TB1-01	YELLOW	+5	BUS+5
PS2	TB1-02	YELLOW	+5	
PS2	TB1-03	YELLOW	+5	
PS2	TB1-04	YELLOW	+5	BUS+5
PS2	TB1-05	YELLOW	+5	
PS2	TB1-06	YELLOW	+5	
PS2	TB1-07	BLACK	GND	BUSGD
PS2	TB1-08	BLACK	GND	
PS2	TB1-09	BLACK	GND	
PS2	TB1-10	BLACK	GND	BUSGD
PS2	TB1-11	BLACK	GND	
PS2	TB1-12	BLACK	GND	
PS2	TB1-13	ORANGE	+12	BUS+12
PS2	TB1-14	BLUE	-12	BUS-12
PS2	TB1-14	BLUE	-12	BUS-12
PS2	TB1-15	BLACK	GND	BUSGD
PS2	TB1-16	BROWN	+5 SENS	BUS+5
PS2	TB1-17	WHITE	RTN SENS	BUSGD

4 SITE 20 CHANNEL CONFIGURATION**Rack #1 Cable & Power Connections**

(344A4223, Rev. 3)

4 SITE 20 CHANNEL CONFIGURATION**Power Connections, Rack #1**

(344A4223, Rev. 3)

RACK #2

PP1	POWER PANEL #01 P01	MODEM SHELF D102A	TB1	19D903880P714
PP1	POWER PANEL #01 P02	MODEM SHELF D102B	TB1	19D903880P714
PP1	POWER PANEL #01 P03	MODEM SHELF D103A	TB1	19D903880P714
PP1	POWER PANEL #01 P04	MODEM SHELF D103B	TB1	19D903880P714

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

PS2	TB1-01	YELLOW	+5	BUS+5
PS2	TB1-02	YELLOW	+5	
PS2	TB1-03	YELLOW	+5	
PS2	TB1-04	YELLOW	+5	BUS+5
PS2	TB1-05	YELLOW	+5	
PS2	TB1-06	YELLOW	+5	
PS2	TB1-07	BLACK	GND	BUSGD
PS2	TB1-08	BLACK	GND	
PS2	TB1-09	BLACK	GND	
PS2	TB1-10	BLACK	GND	BUSGD
PS2	TB1-11	BLACK	GND	
PS2	TB1-12	BLACK	GND	
PS2	TB1-13	ORANGE	+12	BUS+12
PS2	TB1-14	BLUE	-12	BUS-12
PS2	TB1-14	BLUE	-12	BUS-12
PS2	TB1-15	BLACK	GND	BUSGD
PS2	TB1-16	BROWN	+5 SENS	BUS+5
PS2	TB1-17	WHITE	RTN SENS	BUSGD

PP1	POWER PANEL #02 P01	ANALOG PROC SHF A406 TB1	19D903880P774
PP1	POWER PANEL #02 P02	ANALOG PROC SHF A407 TB1	19D903880P774
PP1	POWER PANEL #02 P03	ANALOG PROC SHF A408 TB1	19D903880P774
PP1	POWER PANEL #02 P04	ANALOG PROC SHF A409 TB1	19D903880P774
PP1	POWER PANEL #02 P05	ANALOG PROC SHF A410 TB1	19D903880P774

RACK #3

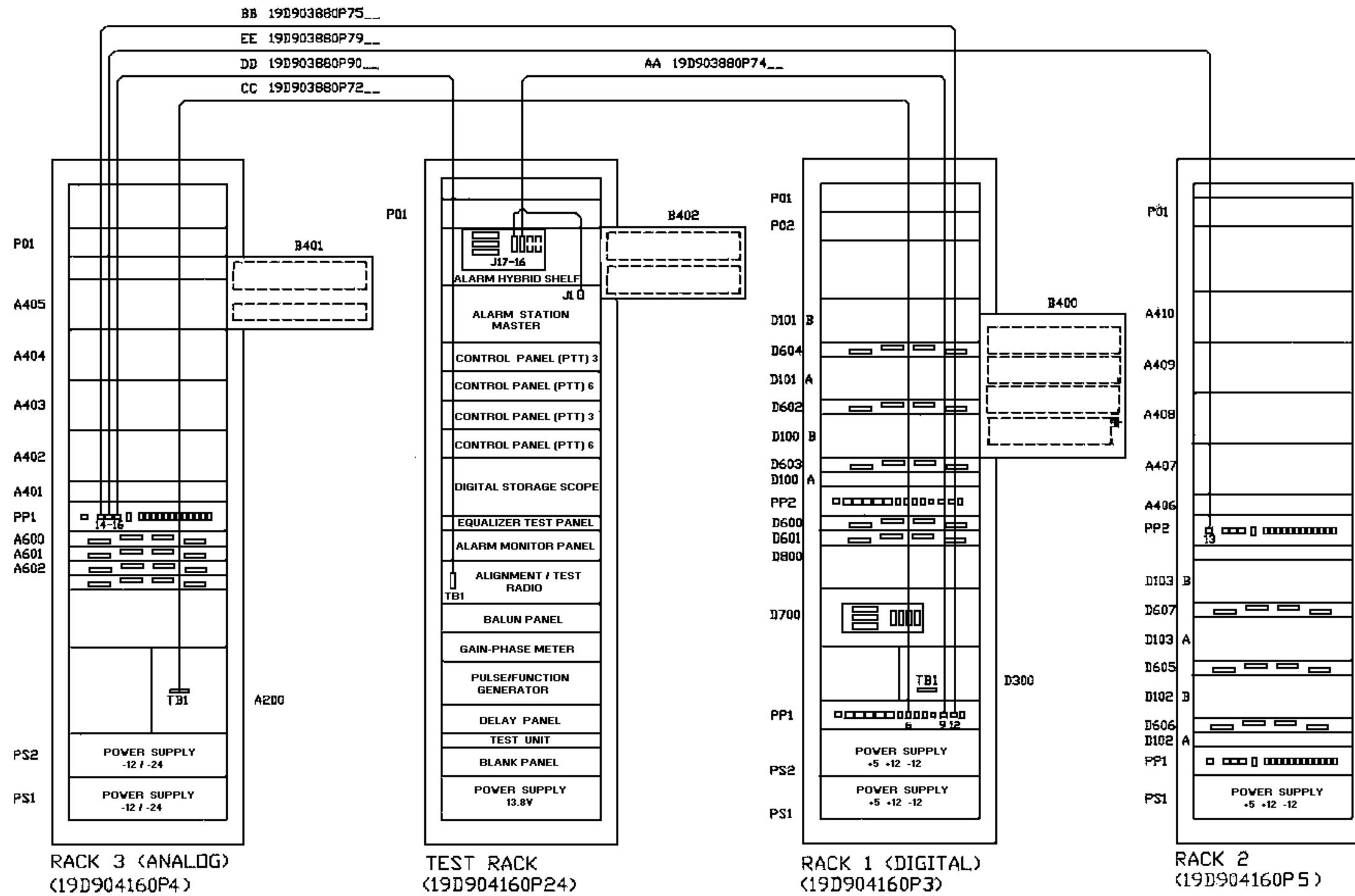
PS1	POWER SUPPLY PS1 TB1-1/6	POWER SUPPLY PS2 TB1-1/6	19D903880P810
PS2	POWER PANEL #01 P13		19D903880P804
	P13-01 BLUE	-12	POWER SUPPLY PS2 TB1- #1
	P13-02 BLUE	-12	POWER SUPPLY PS2 TB1- #2
	P13-03 BLACK	GND	POWER SUPPLY PS2 TB1- #3
	P13-04 BLACK	GND	POWER SUPPLY PS2 TB1- #4
	P13-05 GREEN	-24	POWER SUPPLY PS2 TB1- #5
	P13-06 GREEN	-24	POWER SUPPLY PS2 TB1- #6

4 SITE 20 CHANNEL CONFIGURATION
Power Connections, Rack #2

(344A4223, Rev. 3)

4 SITE 20 CHANNEL CONFIGURATION
Power Connections, Rack #2

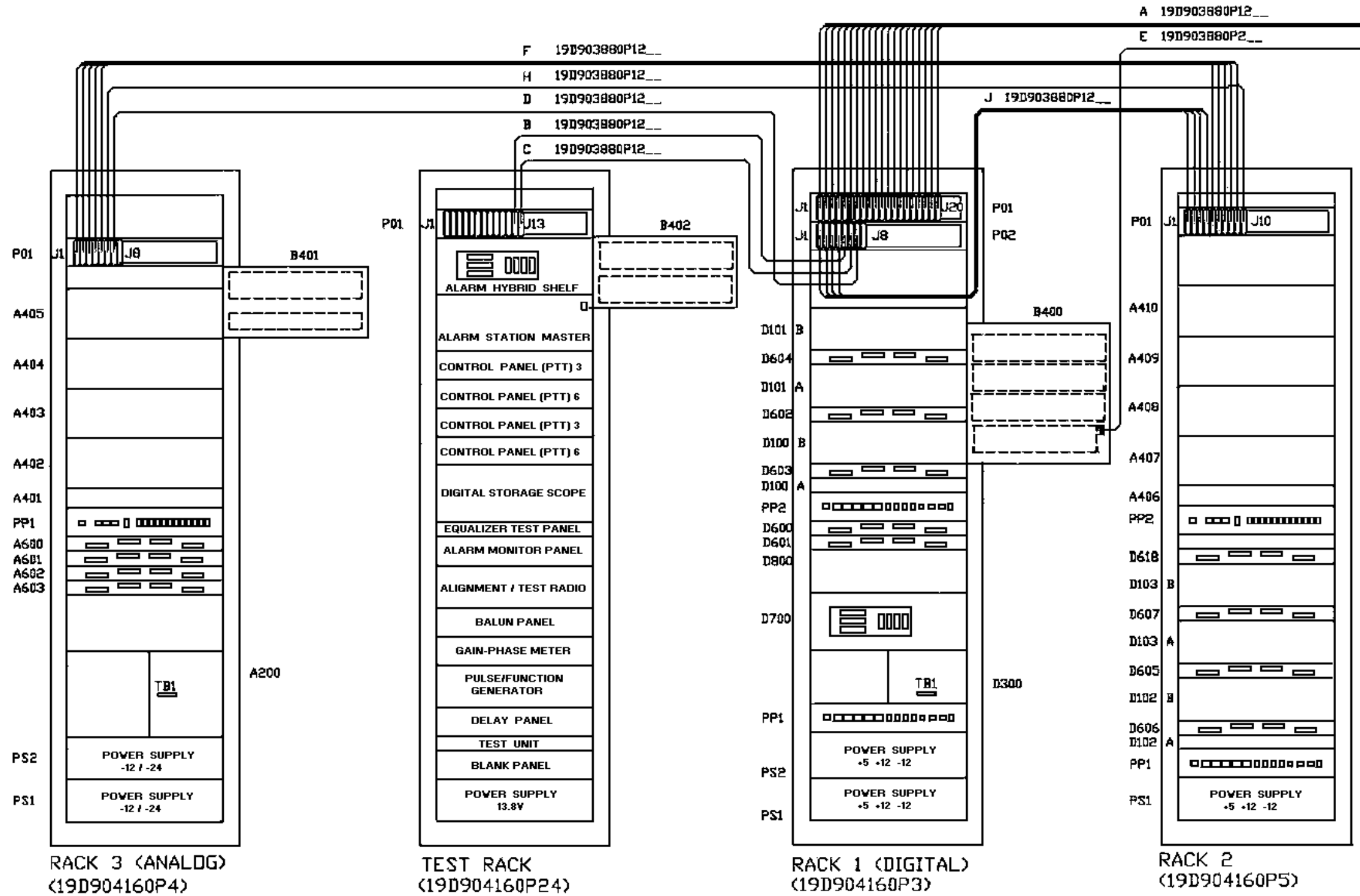
(344A4223, Rev. 3)



**4 SITE 20 CHANNEL CONFIGURATION
Interrack Signal Cabling**

BACK VIEW OF RACKS -- WIRING IS DETAILED IN CONNECTION LIST 344A4886

(19C852394 Sh. 2 Rev. 0)



BACK VIEW OF RACKS -- WIRING IS DETAILED IN CONNECTION LIST 344A4886

4 SITE 20 CHANNEL CONFIGURATION
Interrack Power Cabling

(19C852394 Sh. 1 Rev. 0)

DIGITAL RACK #1

FROM	TO	CABLE		
RACK #1 CONNECTOR PANEL 01 P01	GETC RACK #	GETC CH 01	19D903880P123	A
RACK #1 CONNECTOR PANEL 01 P02	GETC RACK #	GETC CH 02	19D903880P123	A
RACK #1 CONNECTOR PANEL 01 P03	GETC RACK #	GETC CH 03	19D903880P123	A
RACK #1 CONNECTOR PANEL 01 P04	GETC RACK #	GETC CH 04	19D903880P123	A
RACK #1 CONNECTOR PANEL 01 P05	GETC RACK #	GETC CH 05	19D903880P123	A
RACK #1 CONNECTOR PANEL 01 P06	GETC RACK #	GETC CH 06	19D903880P123	A
RACK #1 CONNECTOR PANEL 01 P07	GETC RACK #	GETC CH 07	19D903880P123	A
RACK #1 CONNECTOR PANEL 01 P08	GETC RACK #	GETC CH 08	19D903880P123	A
RACK #1 CONNECTOR PANEL 01 P09	GETC RACK #	GETC CH 09	19D903880P123	A
RACK #1 CONNECTOR PANEL 01 P10	GETC RACK #	GETC CH 10	19D903880P123	A
RACK #1 CONNECTOR PANEL 01 P11	GETC RACK #	GETC CH 11	19D903880P123	A
RACK #1 CONNECTOR PANEL 01 P12	GETC RACK #	GETC CH 12	19D903880P123	A
RACK #1 CONNECTOR PANEL 01 P13	GETC RACK #	GETC CH 13	19D903880P123	A
RACK #1 CONNECTOR PANEL 01 P14	GETC RACK #	GETC CH 14	19D903880P123	A
RACK #1 CONNECTOR PANEL 01 P15	GETC RACK #	GETC CH 15	19D903880P123	A
RACK #1 CONNECTOR PANEL 01 P16	GETC RACK #	GETC CH 16	19D903880P123	A
RACK #1 CONNECTOR PANEL 01 P17	GETC RACK #	GETC CH 17	19D903880P123	A
RACK #1 CONNECTOR PANEL 01 P18	GETC RACK #	GETC CH 18	19D903880P123	A
RACK #1 CONNECTOR PANEL 01 P19	GETC RACK #	GETC CH 19	19D903880P123	A
RACK #1 CONNECTOR PANEL 01 P20	GETC RACK #	GETC CH 20	19D903880P123	A
RACK #1 CONNECTOR PANEL 02 P01	RACK #2 CONNECTOR PANEL 01 P01		19D903880P120	J
RACK #1 CONNECTOR PANEL 02 P02	RACK #2 CONNECTOR PANEL 01 P02		19D903880P120	J
RACK #1 CONNECTOR PANEL 02 P03	RACK #2 CONNECTOR PANEL 01 P03		19D903880P120	J
RACK #1 CONNECTOR PANEL 02 P04	RACK #2 CONNECTOR PANEL 01 P04		19D903880P120	J
RACK #1 CONNECTOR PANEL 02 P05	RACK TEST CONNECTOR PANEL 01 P12		19D903880P120	B
RACK #1 CONNECTOR PANEL 02 P06	RACK TEST CONNECTOR PANEL 01 P13		19D903880P120	C
RACK #1 CONNECTOR PANEL 02 P07	RACK #3 CONNECTOR PANEL 01 P07		19D903880P123	D
RACK #1 CONNECTOR PANEL 02 P08	FIELD INSTAL DIGITAL ALARMS			
DIGITAL CROSS CONNECT P97	GETC CAB. SYNC CTRL (SERIAL DATA J24)		19D903880P25	E

4 SITE 20 CHANNEL CONFIGURATION
GETC, RIC, & Site Controller, Digital Rack #1

(344A4886, Rev. 0)

RACK #3 CONNECTOR PANEL 01 P01	RACK #2 CONNECTOR PANEL 01 P05	19D903880P123	F
RACK #3 CONNECTOR PANEL 01 P02	RACK #2 CONNECTOR PANEL 01 P06	19D903880P123	F
RACK #3 CONNECTOR PANEL 01 P03	RACK #2 CONNECTOR PANEL 01 P07	19D903880P123	F
RACK #3 CONNECTOR PANEL 01 P04	RACK #2 CONNECTOR PANEL 01 P08	19D903880P123	F
RACK #3 CONNECTOR PANEL 01 P05	RACK #2 CONNECTOR PANEL 01 P09	19D903880P123	F
RACK #3 CONNECTOR PANEL 01 P06	RACK #2 CONNECTOR PANEL 01 P10	19D903880P120	H
RACK #3 CONNECTOR PANEL 01 P08	FIELD INSTAL ANALOG BSEL		
PP1 RACK #1 POWER PANEL #01 J09	TEST RACK ALARM SHELF J01	19D903880P740	AA
	HYBRID SHEL D J16		
	HYBRID SHEL D J17		
PP1 RACK #1 POWER PANEL #01 J12	RACK #3 POWER PANEL #01(-24) J14	19D903880P750	BB
PP1 RACK #3 POWER PANEL #01 J15	RACK #2 POWER PANEL #02 J13	19D903880P790	EE
PP1 RACK #1 POWER PANEL #01 J06	RACK #3 ANALOG DELAY SHELF TB1	19D903880P729	CC
PP1 RACK #3 POWER PANEL #01 J16	TEST PACK ALIGNMENT REC TB1	19D903880P900	DD

SITE CONTROLLER TO THE GETC RACK AND TO THE RIC RACK
GETC RACK

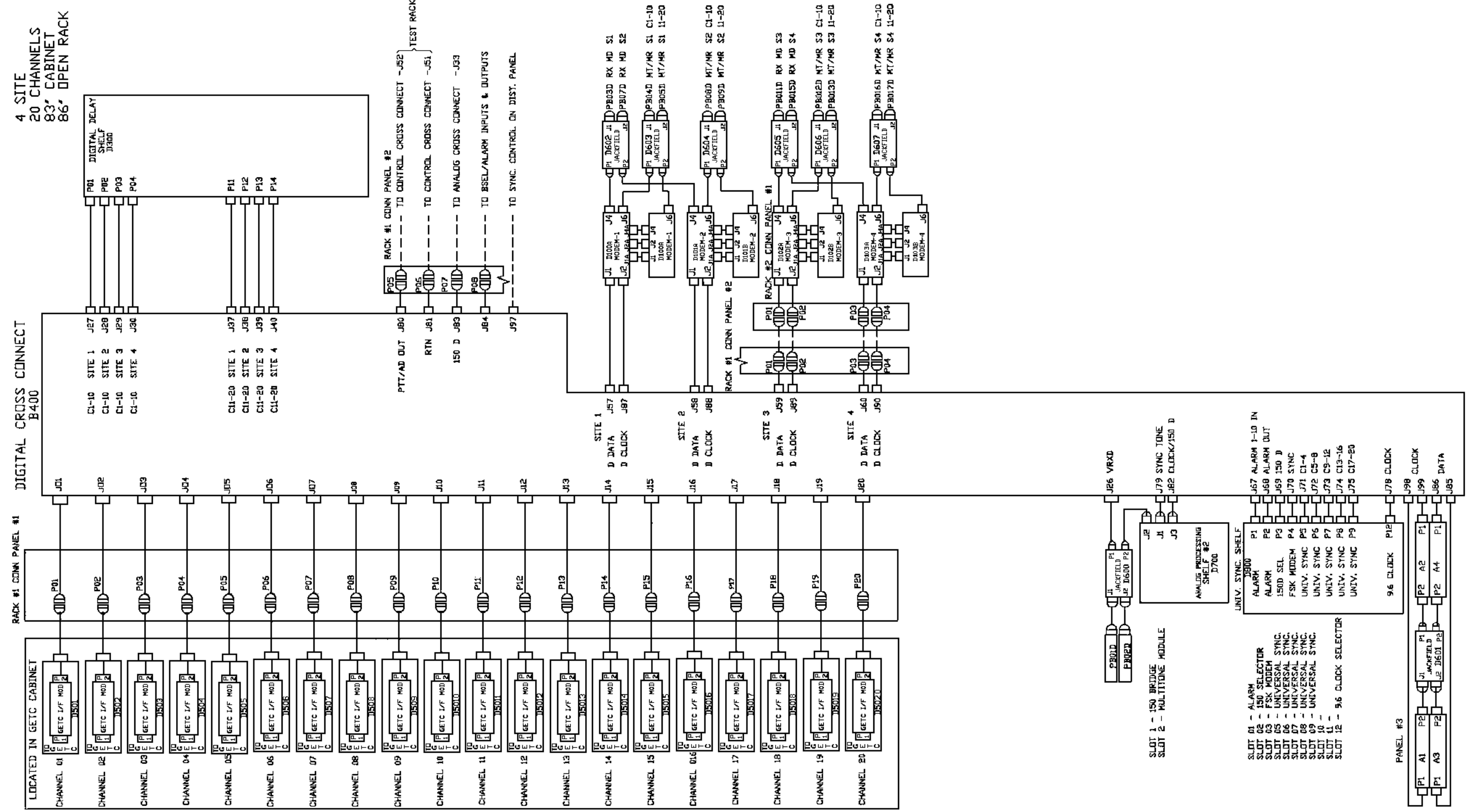
	CABLE	LENGTH
PANEL 1 MODULE 1 GETC DATA 1-12 J14	SITE CNTL PANEL 1 MODULE 4 J14 Z	19D903880P121 15'
PANEL 1 MODULE 2 VOTER DATA 1-12 J14	DIGITAL VOTER I/F CROSS CONN J61 Y	19D903880P121 15'
PANEL 1 MODULE 3 NOT USED IN SIMULCAST SYSTEM		
PANEL 1 MODULE 4 SERIAL J21	SITE CNTL PANEL 1 MODULE 6 J07 W	19D903880P162 10'
PANEL 1 MODULE 5 GETC RESET		
PANEL 1 MODULE 6 NOT USED IN SIMULCAST SYSTEM		
PANEL 2 MODULE 1 GETC DATA 13-24 J14	SITE CNTL PANEL 1 MODULE 5 J14 D	19D903880P121 15'
RIC RACK		
PANEL 1 MODULE 3 RIC AUDIO (LIX)1-12 J14	SITE CNTL PANEL 1 MODULE 2 J14 R	19D903880P121 15'
PANEL 1 MODULE 4 RIC AUDIO (LIX)13-24 J14	SITE CNTL PANEL 1 MODULE 3 J14 S	19D903880P121 15'
PANEL 1 MODULE 5 SERIAL LINK J21	SITE CNTL PANEL 1 MODULE 6 J04 T	19D903880P162 10'
PANEL 1 MODULE 6		

SITE CONTROLLER

PANEL 2 MODULE 2 EXTERNAL PHONE LINE 1-12 CONNECTION (TO PLA MODULE)
PANEL 2 MODULE 3 EXTERNAL PHONE LINE 13-24 CONNECTION (TO PLA MODULE)

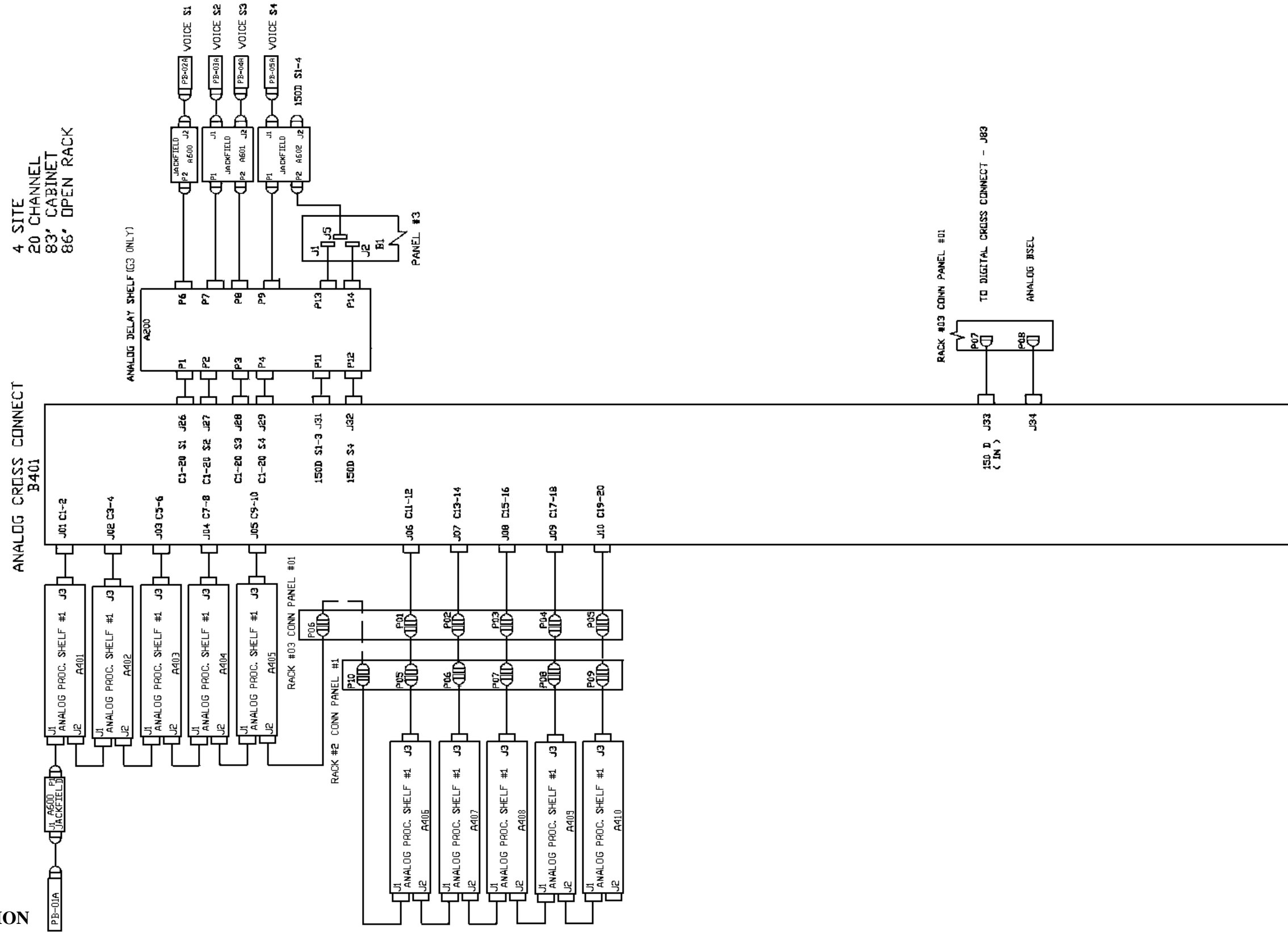
4 SITE 20 CHANNEL CONFIGURATION
GETC, RIC, & Site Controller

(344A4886, Rev. 0)



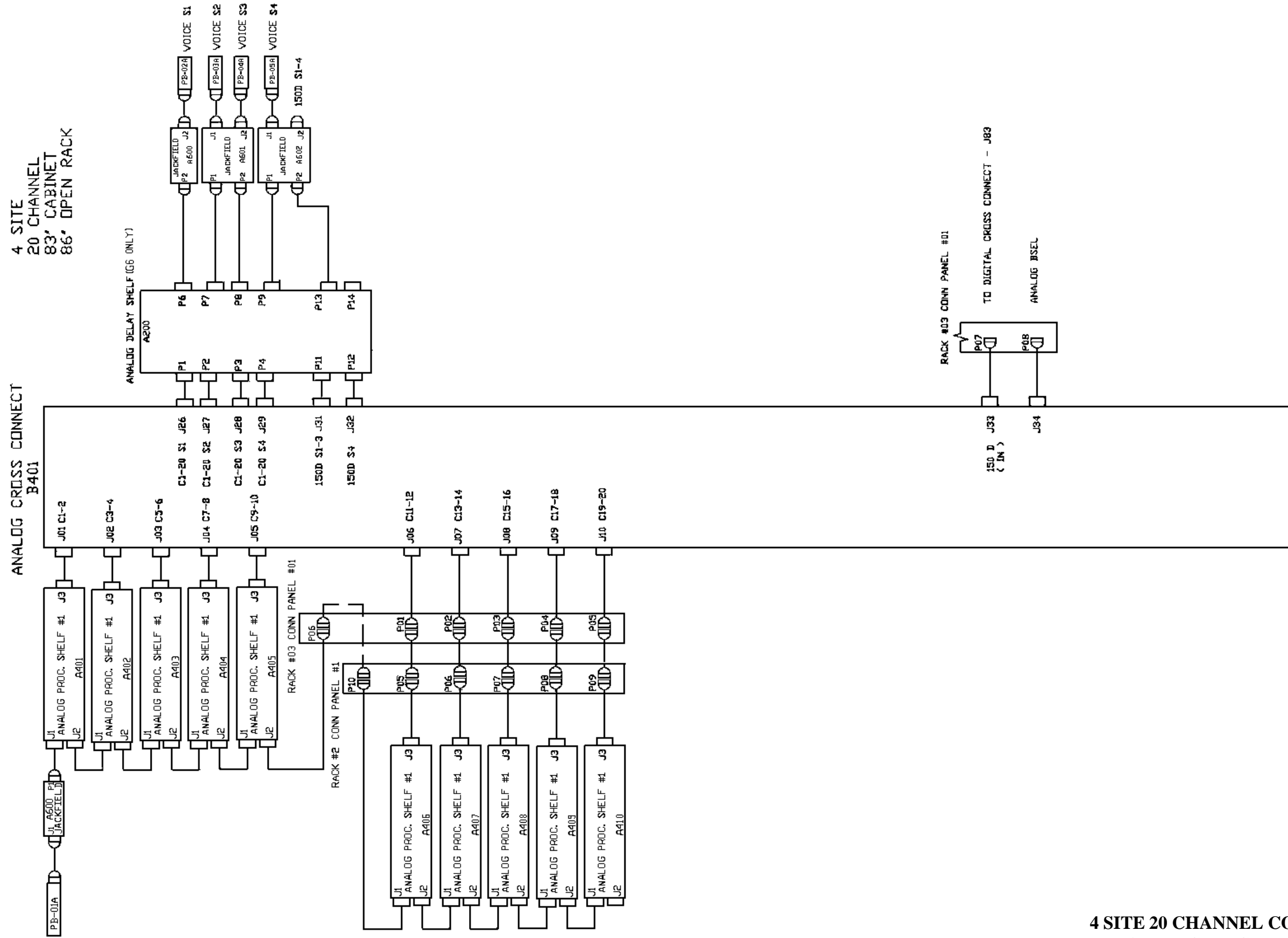
4 SITE 20 CHANNEL CONFIGURATION Digital Cross Connect

(19C852271 Rev. 3)



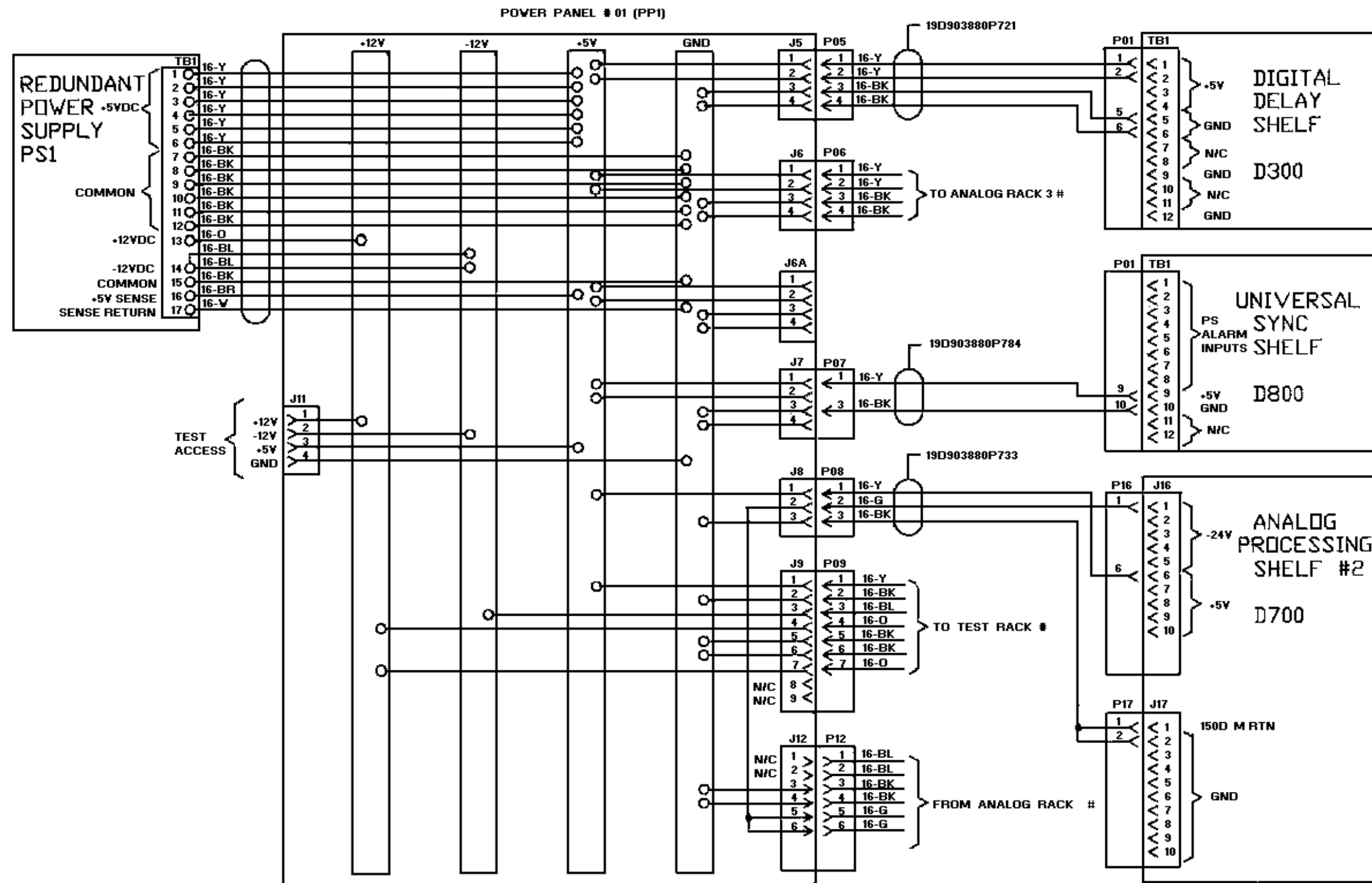
4 SITE 20 CHANNEL CONFIGURATION
Analog Cross Connect (19D902531G3)

(19C852272 Sh.1, Rev. 3)



4 SITE 20 CHANNEL CONFIGURATION
Analog Cross Connect (19D902531G6)

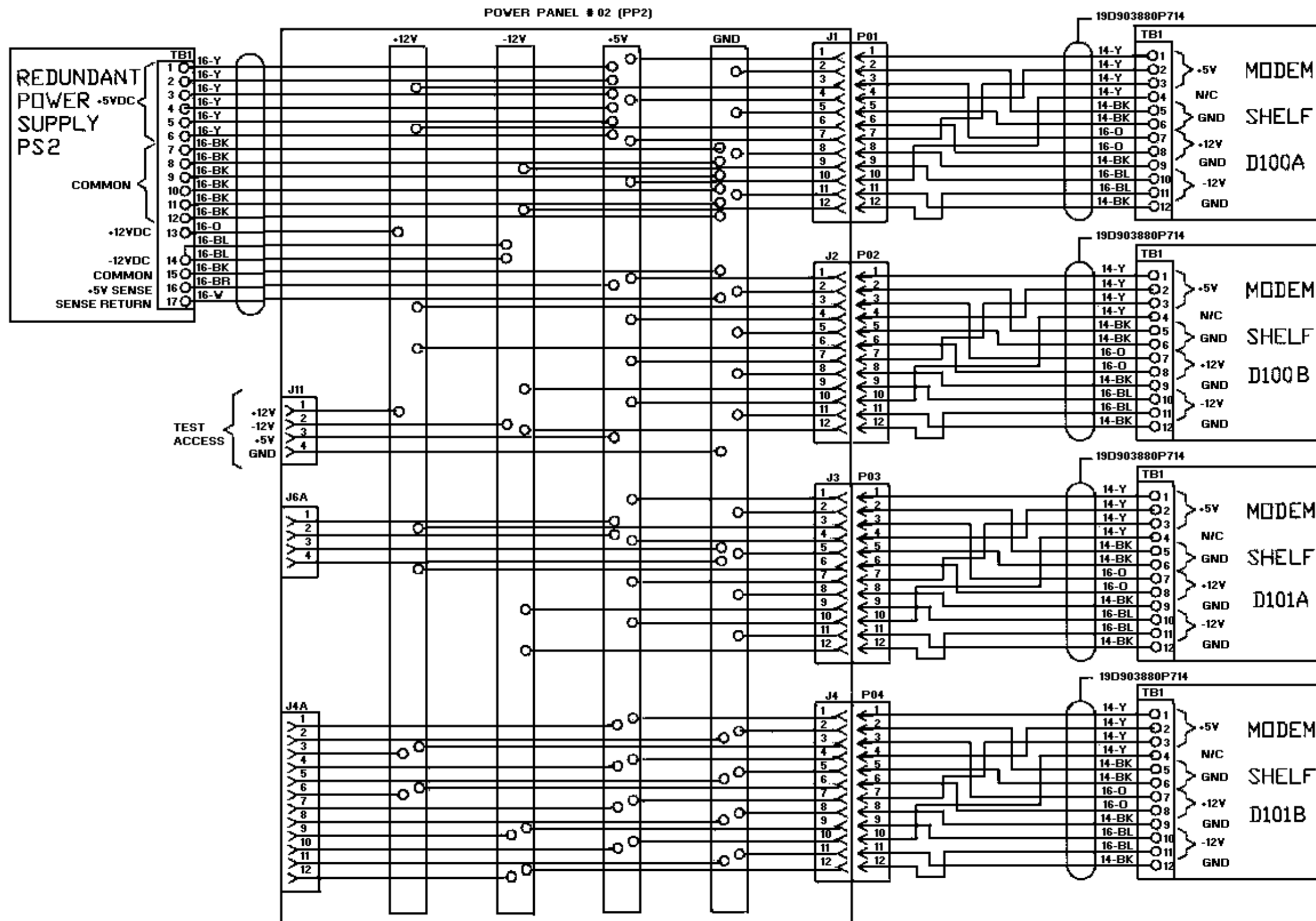
(19C852272 Sh.2, Rev. 0)



4 SITE 20 CHANNEL CONFIGURATION
Digital Rack 1 (Power Panel #1)

(19C852414 Sh.1, Rev. 0)

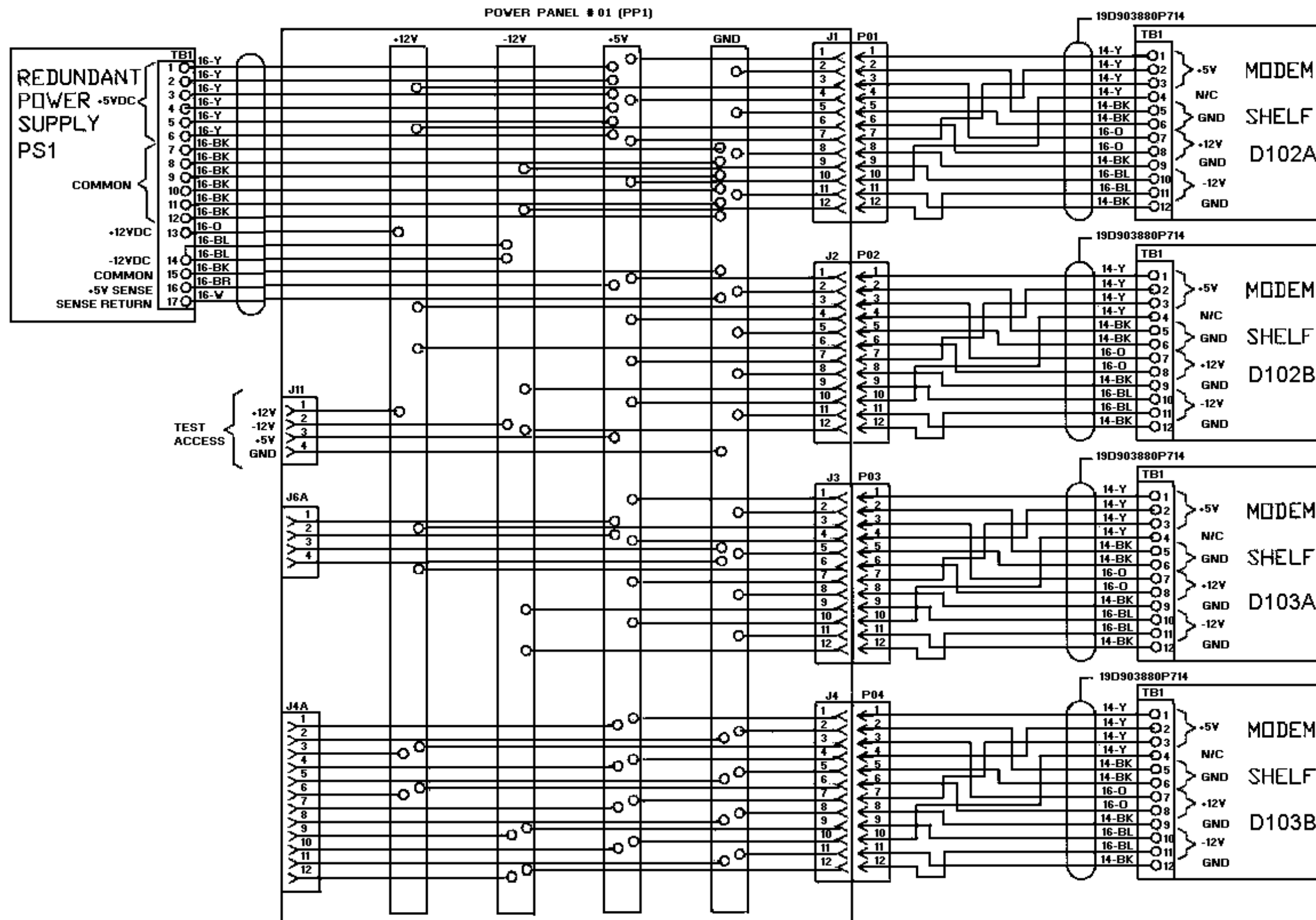
WIRING IS DETAILED IN CONNECTION LIST 344A4223
* SEE 19C852391 SH 2 FOR INTERRACK POWER WIRING DIAGRAM



4 SITE 20 CHANNEL CONFIGURATION
 Digital Rack 1 (Power Panel #2)

WIRING IS DETAILED IN CONNECTION LIST 344A4223

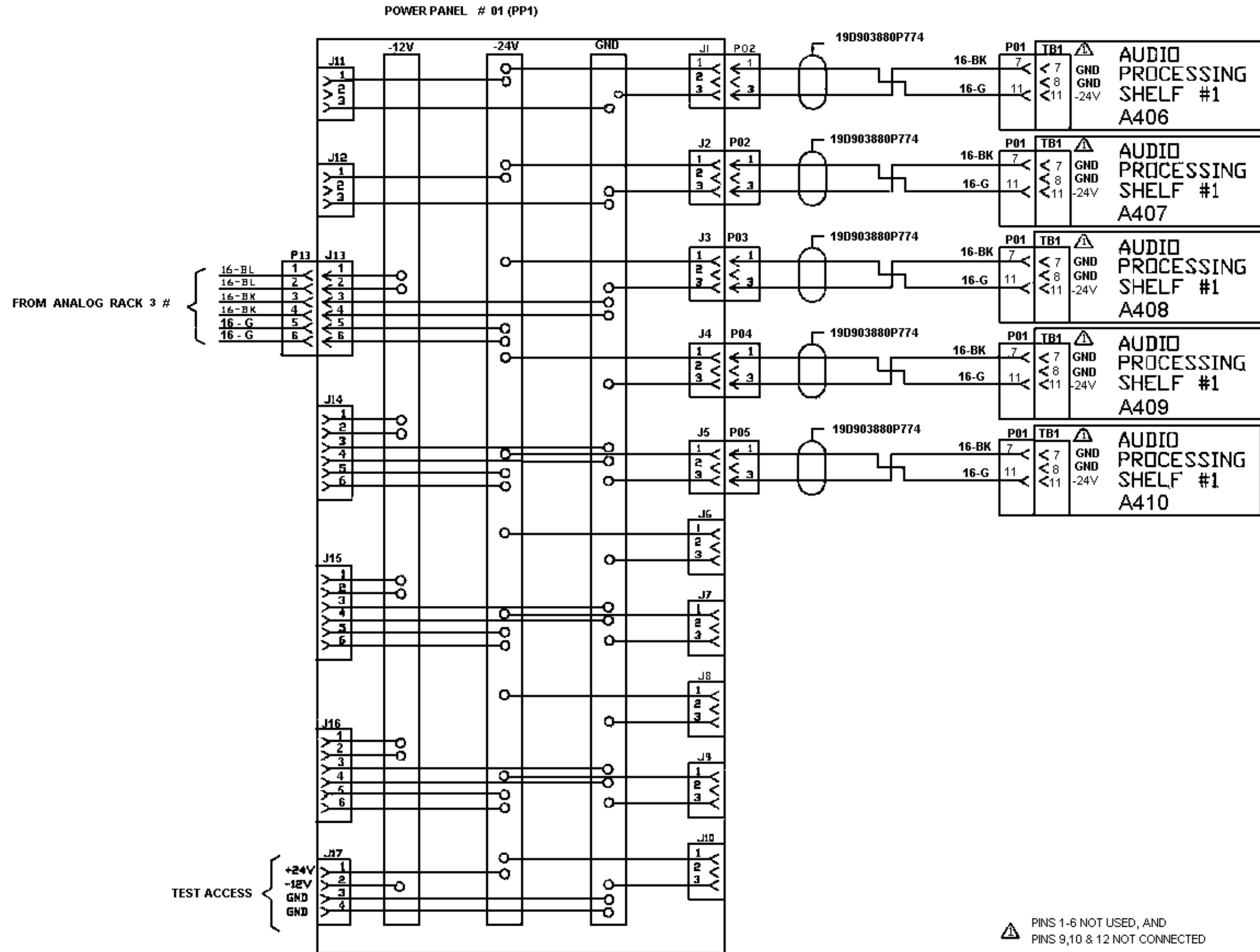
(19C852414 Sh.2, Rev. 0)



4 SITE 20 CHANNEL CONFIGURATION
Digital Rack 2

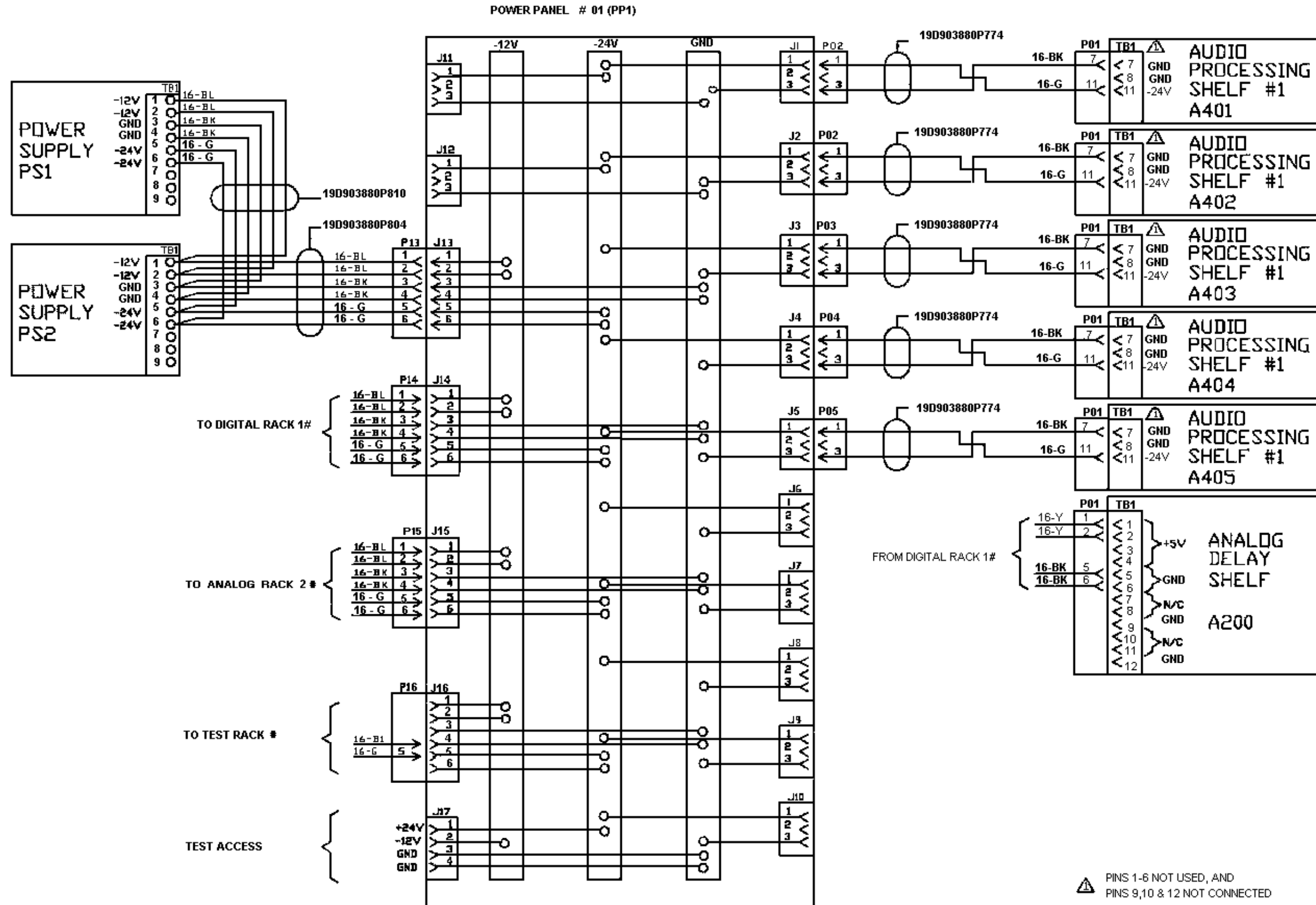
(19C852414 Sh.3, Rev. 0)

WIRING IS DETAILED IN CONNECTION LIST 344A4223



4 SITE 20 CHANNEL CONFIGURATION
Analog Rack 2

(19C852414 Sh.4, Rev. 0)



4 SITE 20 CHANNEL CONFIGURATION
Analog Rack 3

(19C852414 Sh.5, Rev. 0)

WIRING IS DETAILED IN CONNECTION LIST 344A4223
 * SEE 19C852394 SH 2 FOR INTERRACK POWER WIRING DIAGRAM

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