MAINTENANCE MANUAL
SIMULCAST SYSTEM DRAWINGS
CONTROL POINT COMMON EQUIPMENT
4 SITE 24 CHANNEL CONFIGURATION

TABLE OF CONTENTS

Ericsson GE Mobile Communications Inc.
Mountain View Road • Lynchburg, Virginia 24502

Printed in U.S.A.

DESCRIPTION

This manual contains the equipment configuration drawings, cable inter and intrarack wiring diagrams required for installation and maintenance of a Simulcast System with 3 or 4 sites and up to 24 channels. It also contains the cable connection lists that provide detailed rack interconnect cabling and module location 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.

Where applicable, the configuration drawings identify the site/channel associations of each of the various shelves located in the Digital, Analog, GETC, and Test Equipment racks used in the Simulcast Communications System. They 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. For example, information provided on these drawings show that rack 3 contains the audio processing shelves for channels 1 thru 12, each shelf serving 2 channels. It further shows that shelf 5 contains equipment for channel 10 and carries the designation A405. By referring to the analog cross connect diagram (19D904511) you see that A405 interconnects with the analog cross connect panel.

Rack 2 contains the modems for site 2 and the dc power supplies to power the rack.

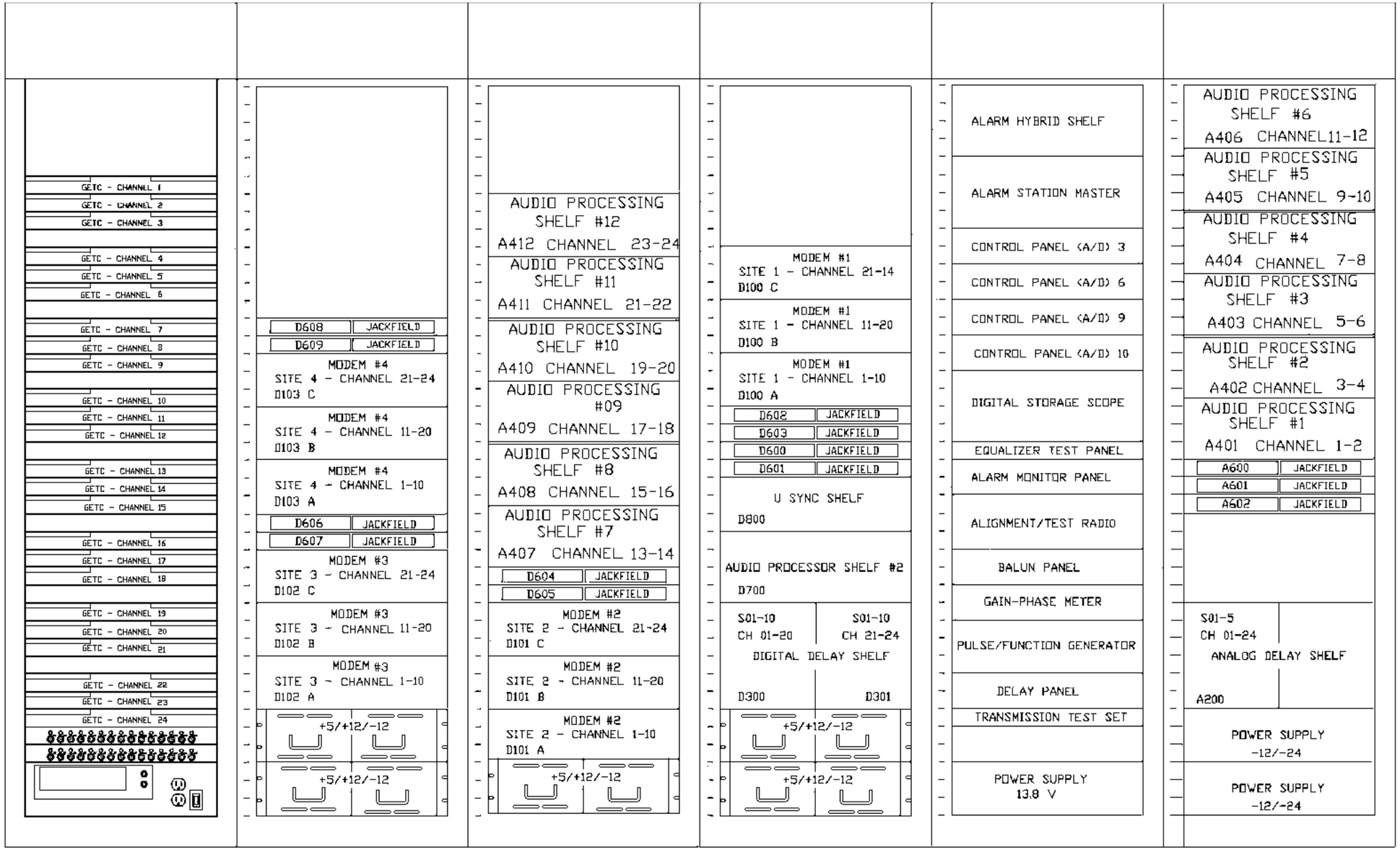
Field installation drawings show the signal and power interrack cabling between the simulcast digital, analog and test equipment racks and between digital rack 1 of the simulcast equipment and the GETC, RIC, and Site Controller cabinets. Cable termination points are identified on the cable connection list referenced on the field installation drawings.

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 through the modems and jackfields to the digital cross connect panel. The data and clock interconnections are identified for each site.

Analog cross connect diagrams show the interconnections between analog cross connect B401 and analog processing shelf 1, the connector panels for racks 2 and 3, and the analog delay shelf that processes the voice channels for the simulcast system. It also shows the 150 baud interconnect with the digital cross connect and analog BSEL.

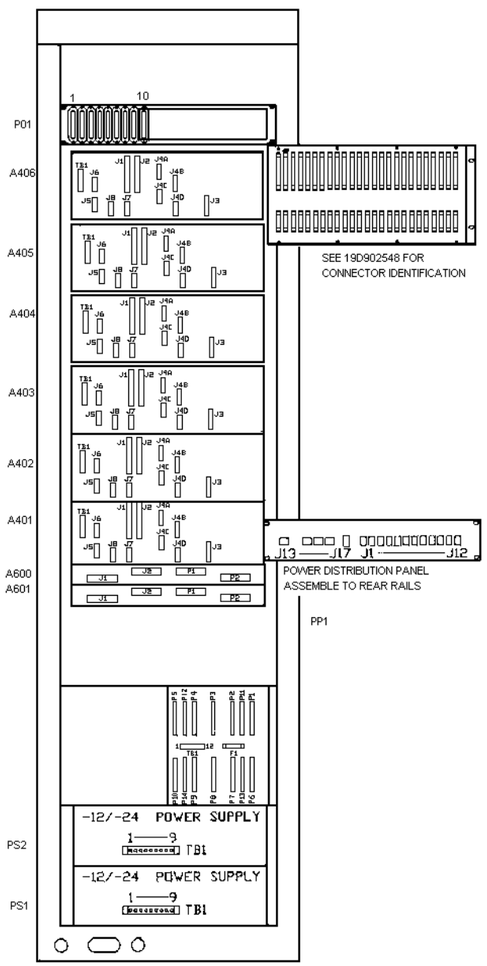
DC power wiring diagrams show the power distribution wiring from the power supplies through the power panel to the various shelves in each equipment rack. Cable connection list 344A4658 identifies the location of each module within the rack and details the intrarack power connections beginning on page 5.

The cable connection list identifies the hardware configuration for each shelf, the system cables, and the associated interconnecting jacks and functions for which the interconnecting cables are used.

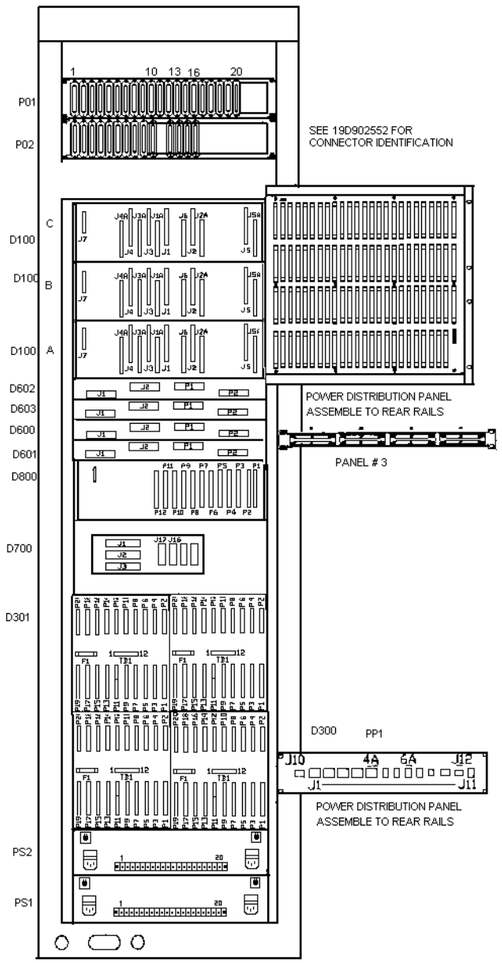


4 SITE 24 CHANNEL CONFIGURATION
Equipment Rackup, Front View

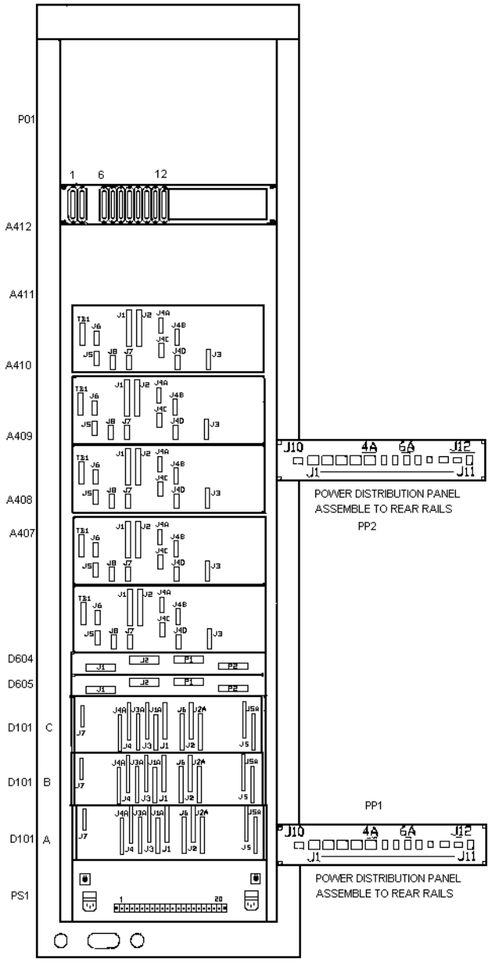
(19D904160, Sh. 17, Rev. 1)



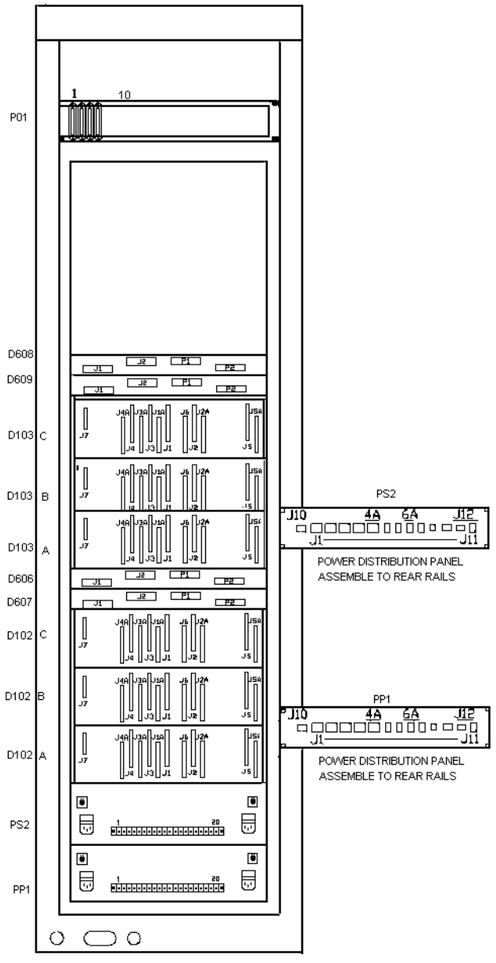
37 RACK 3
REAR VIEW



35 RACK 1
REAR VIEW



36 RACK 2
REAR VIEW



38 RACK 4
REAR VIEW
2 - 4 SITE / 24 CHANNEL

4 SITE 24 CHANNEL CONFIGURATION
Equipment Rackup, Rear View

(19D904160, Sh. 18, Rev. 2)

83" CABINET/86 OPEN RACK

DIGITAL DELAY SHELF	19D902531G5
DIGITAL DELAY MODULE	19D902524P1
ANALOG DELAY SHELF	19D902531G6
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 (150 BAUD/CLK)	19D902519P1
2400 BAUD MODEM MODULE	19D902521P1
UNIVERSAL SYNC MODULE	19D902517P1
ANALOG PROCESSING SHELF 2	19D902544G1
AUDIO BRIDGE MODULE P1	
MULTITONE I/F MODULE	19D902515P1
MODEM SHELF 19D902542G1	
MODEM I/F MODULE (9600 BAUD)	19D902442P1
MODEM MODULE (9600 BAUD)	19A705178P1

MODULE LOCATION

DIGITAL DELAY SHELF

DIGITAL D300

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

DIGITAL D301

SLOT 01	DIGITAL DELAY MODULE	SITE 01 CHANNELS 21-24
		SITE 02 CHANNELS 21-24
SLOT 02	DIGITAL DELAY MODULE	SITE 03 CHANNELS 21-24

UNIVERSAL SYNC SHELF

SLOT 01	ALARM MODULE
SLOT 02	DIGITAL SELECTOR MODULE (150 BAUD)
SLOT 03	2400 BAUD MODEM
SLOT 04	
SLOT 05	UNIVERSAL SYNC MODULE CHANNELS 01-04
SLOT 06	UNIVERSAL SYNC MODULE CHANNELS 05-08
SLOT 07	UNIVERSAL SYNC MODULE CHANNELS 09-12
SLOT 08	UNIVERSAL SYNC MODULE CHANNELS 13-16
SLOT 09	UNIVERSAL SYNC MODULE CHANNELS 17-20
SLOT 10	UNIVERSAL SYNC MODULE CHANNELS 21-24
SLOT 11	
SLOT 12	DIGITAL SELECTOR MODULE (9.6 CLOCK)

ANALOG PROCESSING SHELF 2

SLOT 01	AUDIO BRIDGE (150 BAUD)
SLOT 02	MULTITONE I/F MODULE SITE 01-04

MODEM SHELF

SLOT 01	MODEM INTERFACE MODULE SITE #XX
SLOT 02	MODEM MODULE (9600 BAUD) CHANNEL 01/11/21
SLOT 03	MODEM INTERFACE MODULE SITE #XX
SLOT 04	MODEM MODULE (9600 BAUD) CHANNEL 02/12/22
SLOT 05	MODEM INTERFACE MODULE SITE #XX
SLOT 06	MODEM MODULE (9600 BAUD) CHANNEL 03/13/23
SLOT 07	MODEM INTERFACE MODULE SITE #XX
SLOT 08	MODEM MODULE (9600 BAUD) CHANNEL 04/14/24
SLOT 09	MODEM INTERFACE MODULE SITE #XX
SLOT 10	MODEM MODULE (9600 BAUD) CHANNEL 05/15
SLOT 11	MODEM INTERFACE MODULE SITE #XX
SLOT 12	MODEM MODULE (9600 BAUD) CHANNEL 06/16
SLOT 13	MODEM MODULE (9600 BAUD) CHANNEL 07/17
SLOT 15	MODEM INTERFACE MODULE SITE #XX
SLOT 16	MODEM MODULE (9600 BAUD) CHANNEL 08/18
SLOT 17	MODEM INTERFACE MODULE SITE #XX
SLOT 18	MODEM MODULE (9600 BAUD) CHANNEL 09/19
SLOT 19	MODEM INTERFACE MODULE SITE #XX
SLOT 20	MODEM MODULE (9600 BAUD) CHANNEL 10/20

ANALOG DELAY SHELF SITES 1-4

ANALOG DELAY

SLOT 01	ANALOG DELAY MODULE SITE 01 CHANNELS 01-10, 21, 22, & 150D
SLOT 02	ANALOG DELAY MODULE SITE 01 CHANNELS 11-20, 23, & 24
SLOT 03	ANALOG DELAY MODULE SITE 02 CHANNELS 01-10, 21, 22, & 150D
SLOT 04	ANALOG DELAY MODULE SITE 02 CHANNELS 11-20, 23 & 24
SLOT 05	ANALOG DELAY MODULE SITE 03 CHANNELS 01-10, 21, 22, & 150D
SLOT 06	ANALOG DELAY MODULE SITE 03 CHANNELS 11-20, 23, & 24
SLOT 07	ANALOG DELAY MODULE SITE 04 CHANNELS 01-10, 21, 22, & 150D
SLOT 08	ANALOG DELAY MODULE SITE 04 CHANNELS 11-20, 23, & 24

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
SLOT 12	

4 SITE 24 CHANNEL CONFIGURATION
Module Identification & Shelf Configuration

(344A4658, Rev. 1)

FROM			TO			CABLE
DIGITAL RACK 1 19D904160P35						
S1		DIGITAL CROSS CONNECT	J57	MODEM SHELF D100-A	J01	19D903985P14
S1		DIGITAL CROSS CONNECT	J87	MODEM SHELF D100-A	J02	19D903985P16
S1		MODEM SHELF D100-A	J04	JACKFIELD D602	P01	19D903985P22
S1		MODEM SHELF D100-A	J06	JACKFIELD D602	P02	19D903985P22
S1		MODEM SHELF D100-B	J06	JACKFIELD D603	P01	19D903985P22
S1		MODEM SHELF D100-C	J06	JACKFIELD D603	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-C	J4	19D903985P12
S1		MODEM SHELF D100-B	J1A	MODEM SHELF D100-C	J1	19D903985P12
S1		MODEM SHELF D100-B	J2A	MODEM SHELF D100-C	J2	19D903985P12
S1		MODEM SHELF D100-B	J3A	MODEM SHELF D100-C	J3	19D903985P12
S1		MODEM SHELF D100-B	J4A	MODEM SHELF D100-C	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
S1	C11-20	DIGITAL CROSS CONNECT	J39	DIGITAL DELAY D300	P13	19D903985P18
S2	C11-20	DIGITAL CROSS CONNECT	J40	DIGITAL DELAY D300	P14	19D903985P18
S1	C21-24	DIGITAL CROSS CONNECT	J47	DIGITAL DELAY D301	P01	19D903985P16
S2	C21-24	DIGITAL CROSS CONNECT	J48	DIGITAL DELAY D301	P02	19D903985P16
S1	C21-24	DIGITAL CROSS CONNECT	J49	DIGITAL DELAY D301	P03	19D903985P16
S2	C21-24	DIGITAL CROSS CONNECT	J50	DIGITAL DELAY D301	P04	19D903985P16
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	J08	CONNECTOR PANEL #01	P08	19D903985P24
C09		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
C21		DIGITAL CROSS CONNECT	J21	CONNECTOR PANEL #02	P01	19D903985P24
C22		DIGITAL CROSS CONNECT	J22	CONNECTOR PANEL #02	P02	19D903985P24
C23		DIGITAL CROSS CONNECT	J23	CONNECTOR PANEL #02	P03	19D903985P24
C24		DIGITAL CROSS CONNECT	J24	CONNECTOR PANEL #02	P04	19D903985P24
C1-4		DIGITAL CROSS CONNECT	J71	UNIV. SYNC SHF D800	P05	19D903985P16
C5-8		DIGITAL CROSS CONNECT	J72	UNIV. SYNC SHF D800	P06	19D903985P16
C9-12		DIGITAL CROSS CONNECT	J73	UNIV. SYNC SHF D800	P07	19D903985P16
C13-16		DIGITAL CROSS CONNECT	J74	UNIV. SYNC SHF D800	P08	19D903985P16
C17-20		DIGITAL CROSS CONNECT	J75	UNIV. SYNC SHF D800	P09	19D903985P16
C21-24		DIGITAL CROSS CONNECT	J76	UNIV. SYNC SHF D800	P10	19D903985P16
A		DIGITAL CROSS CONNECT	J26	JACKFIELD D600	P01	19D903985P24
A		ANALOG PROC SHF D700	J02	JACKFIELD D600	P02	19D903985P52
A		DIGITAL CROSS CONNECT	J79	ANALOG PROC SHF D700	J01	19D903985P36
A		DIGITAL CROSS CONNECT	J82	ANALOG PROC SHF D700	J03	19D903985P36
A		DIGITAL CROSS CONNECT	J67	UNIV. SYNC SHF D800	P01	19D903985P16
A		DIGITAL CROSS CONNECT	J68	UNIV. SYNC SHF D800	P02	19D903985P16
A		DIGITAL CROSS CONNECT	J69	UNIV. SYNC SHF D800	P03	19D903985P16
A		DIGITAL CROSS CONNECT	J70	UNIV. SYNC SHF D800	P04	19D903985P16
A		DIGITAL CROSS CONNECT	J78	UNIV. SYNC SHF D800	P12	19D903985P16
A		DIGITAL CROSS CONNECT	J98	PANEL #3 A1	P01	19D903985P14
A		PANEL #3 A1	P02	JACKFIELD D601	J01	19D903985P36
A		DIGITAL CROSS CONNECT	J99	PANEL #3 A2	P02	19D903985P14
A		PANEL #3A2	P01	JACKFIELD D601	J02	19D903985P26
A		DIGITAL CROSS CONNECT	J85	PANEL #3 A3	P01	19D903985P14
A		PANEL #3 A3	P02	JACKFIELD D601	P01	19D903985P36
A		DIGITAL CROSS CONNECT	J86	PANEL #3 A4	P01	19D903985P14
A		PANEL #3 A4	P02	JACKFIELD D601	P02	19D903985P26
A		DIGITAL CROSS CONNECT	J58	CONNECTOR PANEL #02	P05	19D903985P24
A		DIGITAL CROSS CONNECT	J88	CONNECTOR PANEL #02	P06	19D903985P24
A		DIGITAL CROSS CONNECT	J59	CONNECTOR PANEL #02	P07	19D903985P24
A		DIGITAL CROSS CONNECT	J89	CONNECTOR PANEL #02	P08	19D903985P24
A		DIGITAL CROSS CONNECT	J60	CONNECTOR PANEL #02	P09	19D903985P24
A		DIGITAL CROSS CONNECT	J90	CONNECTOR PANEL #02	P10	19D903985P24
DCC		DIGITAL CROSS CONNECT	J80	CONNECTOR PANEL #02	P13	19D903985P24
DCC		DIGITAL CROSS CONNECT	J81	CONNECTOR PANEL #02	P14	19D903985P24
DCC		DIGITAL CROSS CONNECT	J83	CONNECTOR PANEL #02	P15	19D903985P24
DCC		DIGITAL CROSS CONNECT	J84	CONNECTOR PANEL #02	P16	19D903985P24

4 SITE 24 CHANNEL CONFIGURATION
Digital Rack 1

(344A4658, Rev. 1)

RACK 2 19D904160P36

S2	CONNECTOR PANEL #01	P01	MODEM SHELF D101-A		J01	19D903985P28
S2	CONNECTOR PANEL #01	P02	MODEM SHELF D101-A		J02	19D903985P28
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
S2	MODEM SHELF D101-B	J1A	MODEM SHELF D101-C		J1	19D903985P12
S2	MODEM SHELF D101-B	J2A	MODEM SHELF D101-C		J2	19D903985P12
S2	MODEM SHELF D101-B	J3A	MODEM SHELF D101-C		J3	19D903985P12
S2	MODEM SHELF D101-B	J4A	MODEM SHELF D101-C		J4	19D903985P12
S2	MODEM SHELF D101-A	J04	JACKFIELD	D604	P01	19D903985P22
S2	MODEM SHELF D101-A	J06	JACKFIELD	D604	P02	19D903985P22
S2	MODEM SHELF D101-B	J06	JACKFIELD	D605	P01	19D903985P22
S2	MODEM SHELF D101-C	J06	JACKFIELD	D605	P02	19D903985P22
C13-14	CONNECTOR PANEL 01	P06	ANALOG PROC SHF A407		J03	19D903985P48
C15-16	CONNECTOR PANEL 01	P07	ANALOG PROC SHF A408		J03	19D903985P48
C17-18	CONNECTOR PANEL 01	P08	ANALOG PROC SHF A409		J03	19D903985P48
C19-20	CONNECTOR PANEL 01	P09	ANALOG PROC SHF A410		J03	19D903985P46
C21-22	CONNECTOR PANEL 01	P10	ANALOG PROC SHF A411		J03	19D903985P46
C23-24	CONNECTOR PANEL 01	P11	ANALOG PROC SHF A412		J03	19D903985P46
	CONNECTOR PANEL 01	P12	ANALOG PROC SHF A407		J01	19D903985P28
C15-16	ANALOG PROC SHF A407	J02	ANALOG PROC SHF A408		J01	19D903985P12
C17-18	ANALOG PROC SHF A408	J02	ANALOG PROC SHF A409		J01	19D903985P12
C19-20	ANALOG PROC SHF A409	J02	ANALOG PROC SHF A410		J01	19D903985P12
C21-22	ANALOG PROC SHF A410	J02	ANALOG PROC SHF A411		J01	19D903985P12
C23-24	ANALOG PROC SHF A411	J02	ANALOG PROC SHF A412		J01	19D903985P12

ANALOG CROSS CONNECTION

RACK 3 19D904160P37 (* = S1-3 CH 21-24 & 150D, ** = S4 CH 21-24, & 150D)

A	JACKFIELD A600	P01	ANALOG PROC SHF A401		J01	19D903985P22
C01-02	ANALOG CROSS CONNECT	J01	ANALOG PROC SHF A401		J03	19D903985P64
C09-10	ANALOG CROSS CONNECT	J05	ANALOG PROC SHF A405		J03	19D903985P62
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	J06	ANALOG PROC SHF A406		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*	ANA LOG CROSS CONNECT	J31	ANALOG DELAY SHF A200		P11	19D903985P18
S**	ANALOG CROSS CONNECT	J32	ANALOG DELAY SHF A200		P12	19D903985P18
S1 C1-24	ANALOG DELAY SHF A200	P06	JACKFIELD A600		P02	19D903985P24
S2 C1-24	ANALOG DELAY SHF A200	P07	JACKFIELD A601		P01	19D903985P24
S3 C1-24	ANALOG DELAY SHF A200	P08	JACKFIELD A601		P02	19D903985P24
S4 C1-24	ANALOG DELAY SHF A200	P09	JACKFIELD A602		P01	19D903985P24
150 DATA	ANALOG DELAY SHF A200	P13	JACKFIELD A602		P02	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
C 9-10	ANALOG PROC SHF A405	J02	ANALOG PROC SHF A406		J01	19D903985P12
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
A411	ANALOG CROSS CONNECT	J11	CONNECTOR PANEL 01		P06	19D903985P44
A412	ANALOG CROSS CONNECT	J12	CONNECTOR PANEL 01		P07	19D903985P44
ACC	ANALOG PROC SHF A406	J02	CONNECTOR PANEL 01		P08	19D903985P22
ACC	ANALOG CROSS CONNECT	J33	CONNECTOR PANEL 01		P09	19D903985P24
ACC	ANALOG CROSS CONNECT	J34	CONNECTOR PANEL 01		P10	19D903985P24

RACK 4 19D904160P38

S3	CONNECTOR PANEL #01	P01	MODEM SHELF D102-A		J01	19D903985P28
S3	CONNECTOR PANEL #01	P02	MODEM SHELF D102-A		J02	19D903985P28
S3	MODEM SHELF D102-A	J1A	MODEM SHELF D102-B		J1	19D903985P12
S3	MODEM SHELF D102-B	J1A	MODEM SHELF D102-C		J1	19D903985P12
S3	MODEM SHELF D102-A	J2A	MODEM SHELF D102-B		J2	19D903985P12
S3	MODEM SHELF D102-A	J3A	MODEM SHELF D102-B		J3	19D903985P12
S3	MODEM SHELF D102-A	J4A	MODEM SHELF D102-B		J4	19D903985P12
S3	MODEM SHELF D102-B	J2A	MODEM SHELF D102-C		J2	19D903985P12
S3	MODEM SHELF D102-B	J3A	MODEM SHELF D102-C		J3	19D903985P12
S3	MODEM SHELF D102-B	J4A	MODEM SHELF D102-C		J4	19D903985P12
S3	MODEM SHELF D102-A	J04	JACKFIELD D606		P01	19D903985P22
S3	MODEM SHELF D102-A	J06	JACKFIELD D606		P02	19D903985P22
S3	MODEM SHELF D102-B	J06	JACKFIELD D607		P01	19D903985P22
S3	MODEM SHELF D102-C	J06	JACKFIELD D607		P02	19D903985P22
S4	CONNECTOR PANEL #01	P03	MODEM SHELF D103-A		J01	19D903985P28
S4	CONNECTOR PANEL #01	P04	MODEM SHELF D103-A		J02	19D903985P28

4 SITE 24 CHANNEL CONFIGURATION
Digital Rack 2 & Analog Cross-Connections Rack 3 and 4

(344A4658, Rev. 1)

S4	MODEM SHELF D103-A	J1A	MODEM SHELF D103-B	J1	19D903985P12
S4	MODEM SHELF D103-A	J2A	MODEM SHELF D103-B	J2	19D903985P12
S4	MODEM SHELF D103-A	J3A	MODEM SHELF D103-B	J3	19D903985P12
S4	MODEM SHELF D103-A	J4A	MODEM SHELF D103-B	J4	19D903985P12
S4	MODEM SHELF D103-B	J1A	MODEM SHELF D103-C	J1	19D903985P12
S4	MODEM SHELF D103-B	J2A	MODEM SHELF D103-C	J2	19D903985P12
S4	MODEM SHELF D103-B	J3A	MODEM SHELF D103-C	J3	19D903985P12
S4	MODEM SHELF D103-B	J4A	MODEM SHELF D103-C	J4	19D903985P12
S4	MODEM SHELF D103-A	J04	JACKFIELD D608	P01	19D903985P22
S4	MODEM SHELF D103-A	J06	JACKFIELD D608	P02	19D903985P22
S4	MODEM SHELF D103-B	J06	JACKFIELD D609	P01	19D903985P22
S4	MODEM SHELF D103-C	J06	JACKFIELD D609	P02	19D903985P22

POWER CONNECTIONS

DIGITAL RACK 1

PP1	POWER PANEL #01	P05	DIGITAL DELAY SHELF D300 TB1	19D903880P721
PP1	POWER PANEL #01	P06A	DIGITAL DELAY SHELF D301 TB1	19D903880P721
PP1	POWER PANEL #01	P07	UNIVERSAL SYNC SHELF TB1	19D903880P784
PP1	POWER PANEL #01	P08	ANALOG PROC SHELF #2 P16/P17	19D903880P33

PS1	TB1-06	YELLOW	+5	
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	TB1-07	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 D100C 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

DIGITAL RACK 2

PP1	POWER PANEL #01 P01	MODEM SHELF D101A TB1	19D903880P714
PP1	POWER PANEL #01 P02	MODEM SHELF D101B TB1	19D903880P714
PP1	POWER PANEL #01 P03	MODEM SHELF D101C TB1	19D903880P714

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	ANALOG PROC SHF A407 TB1	19D903880P774
PP2	POWER PANEL #02 P02	ANALOG PROC SHF A408 TB1	19D903880P774
PP2	POWER PANEL #02 P03	ANALOG PROC SHF A409 TB1	19D903880P774
PP2	POWER PANEL #02 P04	ANALOG PROC SHF A410 TB1	19D903880P774
PP2	POWER PANEL #02 P05	ANALOG PROC SHF A411 TB1	19D903880P774
PP2	POWER PANEL #02 P06	ANALOG PROC SHF A412 TB1	19D903880P774

RACK 3

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
PP1	POWER PANEL #01 P06	ANALOG PROC SHF A406 TB1	19D903880P774
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	

DIGITAL RACK 4

PP1	POWER PANEL #01 P01	MODEM SHELF D102ATB1	19D903880P714
PP1	POWER PANEL #01 P02	MODEM SHELF D102BTB1	19D903880P714
PP1	POWER PANEL #01 P03	MODEM SHELF D102CTB1	19D903880P714

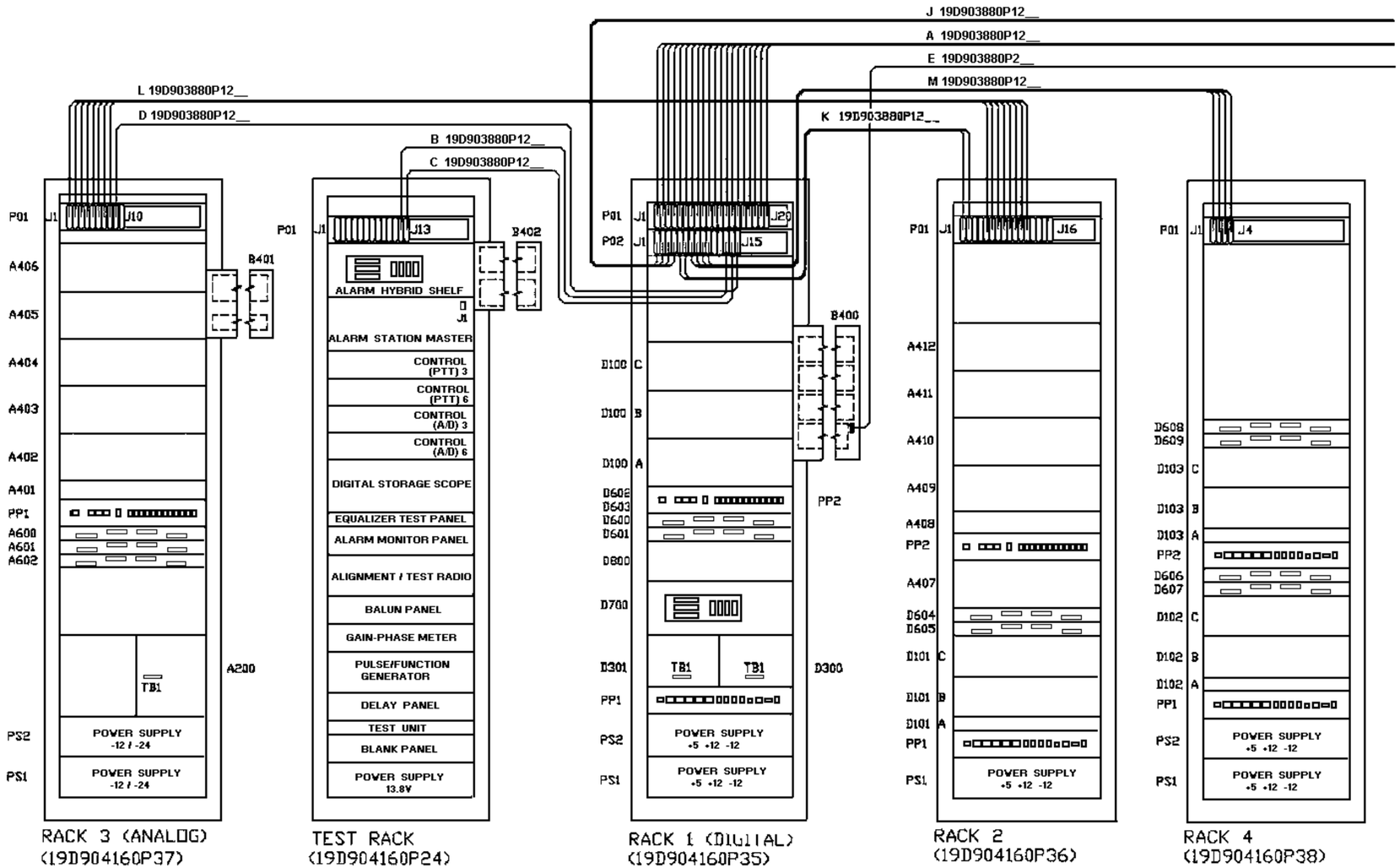
PS1	TB1-01 YELLOW	+5	BUS+5	
PS1	TB1-02 YELLOW	+5		
PS1	TB1-03 YELLOW	+5		
8S1	TB1-04 YELLOW	+5	BUS+5	
PS1	TB1-05 YELLOW	+5		
PS1	TB1-06 YELLOW	+5		
PS1	TB1-07 BLACK	GND	BUSGD	
PS1	TB1-08 BLACK	GND		
PS1	TB1-09 BLACK	GND		
PS1	TB1-10 BLACK	GND	BUSGD	
PS1	TB1-11 BLACK	GND		
PS1	TB1-12 BLACK	GND		
PS1	TB1-13 ORANGE	+12	BUS+12	
PS1	TB1-14 BLUE	-12	BUS-12	
PS1	TB1-14 BLUE	-12	BUS-12	
PSI	TB1-15 BLACK	GND	BUSGD	
PS1	TB1-16 BROWN	+5 SENS	BUS+5	
PS1	TB1-17 WHITE	RTN SENS	BUSGD	
	P13-01 BLUE	-12	POWER SUPPLY PS2 TB1- #1	

PP2	POWER PANEL #02 P01	MODEM SHELF D103A TB1	19D903880P714
PP2	POWER PANEL #02 P02	MODEM SHELF D103B TB1	19D903880P714
PP2	POWER PANEL #02 P03	MODEM SHELF D103C 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 24 CHANNEL CONFIGURATION
Power Connections, Digital Rack 3 & 4

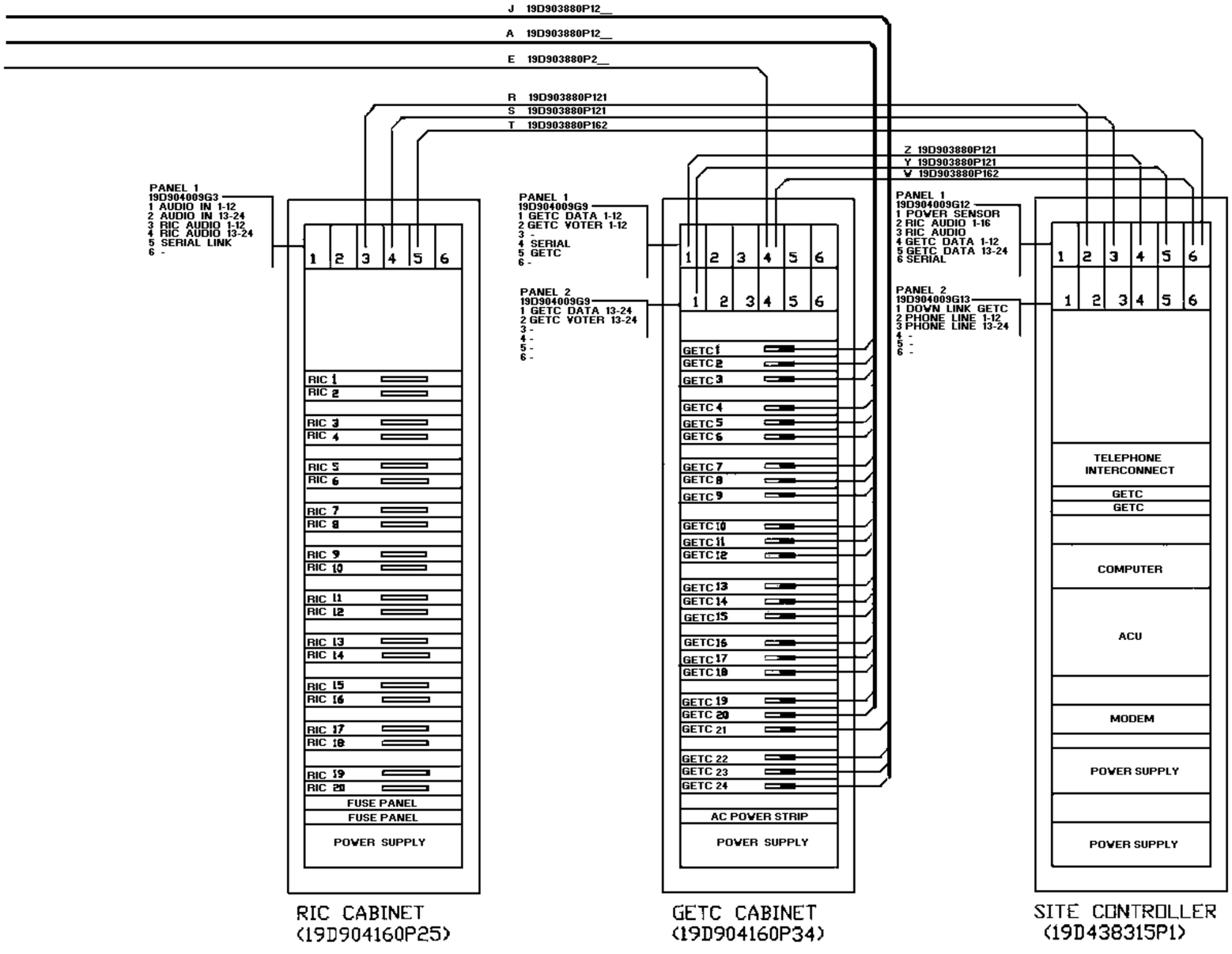
(344A4658, Rev. 1)



BACK VIEW OF RACKS -- WIRING IS DETAILED IN CONNECTION LIST 344A4889

4 SITE 24 CHANNEL CONFIGURATION
Interrack Signal Cabling

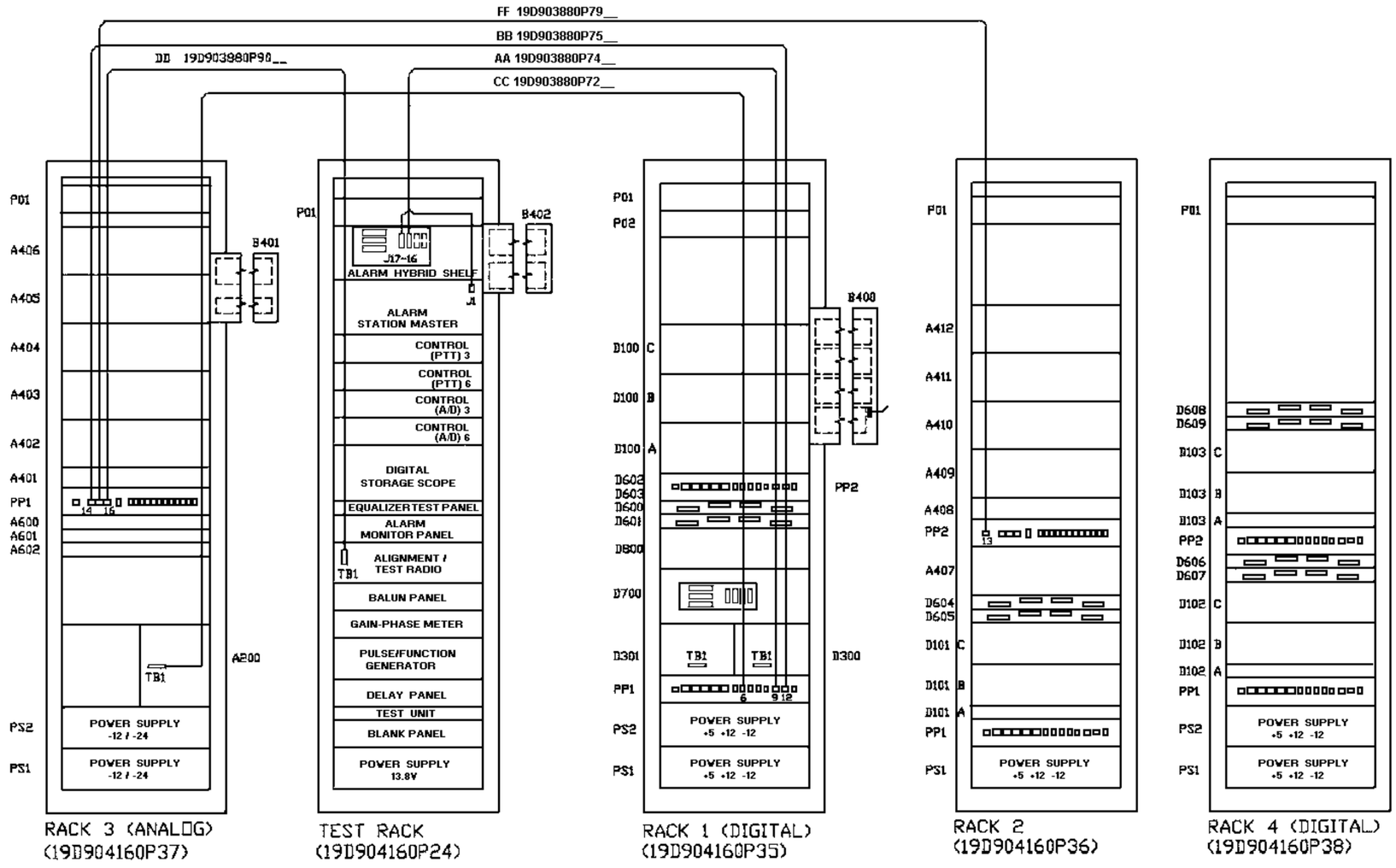
(19C852397. Sh. 1 Rev. 0)



4 SITE 24 CHANNEL CONFIGURATION

Interrack Signal Cabling

(19C852388, Rev. 0)



BACK VIEW OF RACKS -- WIRING IS DETAILED IN CONNECTION LIST 344A4889

4 SITE 24 CHANNEL CONFIGURATION
Interrack Power Cabling

(19C852397. Sh. 2 Rev. 0)

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	GETC RACK #	GETC CH 21	19D903880P123 J
RACK #1 CONNECTOR PANEL 02 P02	GETC RACK #	GETC CH 22	19D903880P123 J
RACK #1 CONNECTOR PANEL 02 P03	GETC RACK #	GETC CH 23	19D903880P123 J
RACK #1 CONNECTOR PANEL 02 P04	GETC RACK #	GETC CH 24	19D903880P123 J

RACK #1 CONNECTOR PANEL 02 P05	RACK #2 CONNECTOR PANEL 01 P01	19D903880P120 K
RACK #1 CONNECTOR PANEL 02 P06	RACK #2 CONNECTOR PANEL 01 P02	19D903880P120 K
RACK #1 CONNECTOR PANEL 02 P07	RACK #4 CONNECTOR PANEL 01 P01	19D903880P123 M
RACK #1 CONNECTOR PANEL 02 P08	RACK #4 CONNECTOR PANEL 01 P02	19D903880P123 M
RACK #1 CONNECTOR PANEL 02 P09	RACK #4 CONNECTOR PANEL 01 P03	19D903880P123 M
RACK #1 CONNECTOR PANEL 02 P10	RACK #4 CONNECTOR PANEL 01 P04	19D903880P123 M
RACK #1 CONNECTOR PANEL 02 P13	RACK TEST CONNECTOR PANEL 01 P12	19D903880P120 B
RACK #1 CONNECTOR PANEL 02 P14	RACK TEST CONNECTOR PANEL 01 P13	19D903880P120 C
RACK #1 CONNECTOR PANEL 02 P15	RACK #3 CONNECTOR PANEL 01 P09	19D903880P123 D
RACK #1 CONNECTOR PANEL 02 P16	FIELD INSTALL DIGITAL ALARMS	
DIGITAL CROSS CONNECT P97	GETC CABINET SYNCCTRL (SERIAL DATA J24)	19D903880P25 E
RACK #3 CONNECTOR PANEL 01 P10	FIELD INSTALL ANALOG BSEL	
RACK #3 CONNECTOR PANEL 01 P01	RACK #2 CONNECTOR PANEL 01 P05	19D903880P120 L

RACK #3 CONNECTOR PANEL 01 P02	RACK #2 CONNECTOR PANEL 01 P06	19D903880P120 L
RACK #3 CONNECTOR PANEL 01 P03	RACK #2 CONNECTOR PANEL 01 P07	19D903880P120 L
RACK #3 CONNECTOR PANEL 01 P04	RACK #2 CONNECTOR PANEL 01 P08	19D903880P120 L
RACK #3 CONNECTOR PANEL 01 P05	RACK #2 CONNECTOR PANEL 01 P09	19D903880P120 L
RACK #3 CONNECTOR PANEL 01 P06	RACK #2 CONNECTOR PANEL 01 P10	19D903880P120 L
RACK #3 CONNECTOR PANEL 01 P07	RACK #2 CONNECTOR PANEL 01 P11	19D903880P120 L
RACK #3 CONNECTOR PANEL 01 P08	RACK #2 CONNECTOR PANEL 01 P12	19D903880P120 L

PP1 RACK #1 POWER PANEL #01 J09	TEST RACK ALARM SHELF	J01	19D903880P740 AA
HYBRID SHIELD	J16		
HYBRID SHIELD	J17		
PP1 RACK #1 POWER PANEL #01 J12	RACK #3 POWER PANEL #01(-24)	J14	19D903880P750 BB
PP1 RACK #1 POWER PANEL #01 J06	RACK #3 ANALOG DELAY SHELF	TB1(A200)	19D903880P729 CC
PP1 RACK #3 POWER PANEL #01 J16	TEST PACK ALIGNMENT REC	TB1	19D903880P900 DD
PP1 RACK #2 POWER PANEL #02 J13	RACK #3 POWER PANEL #01	J15	19D903880P790 FF

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 V	19D903880P121	15’

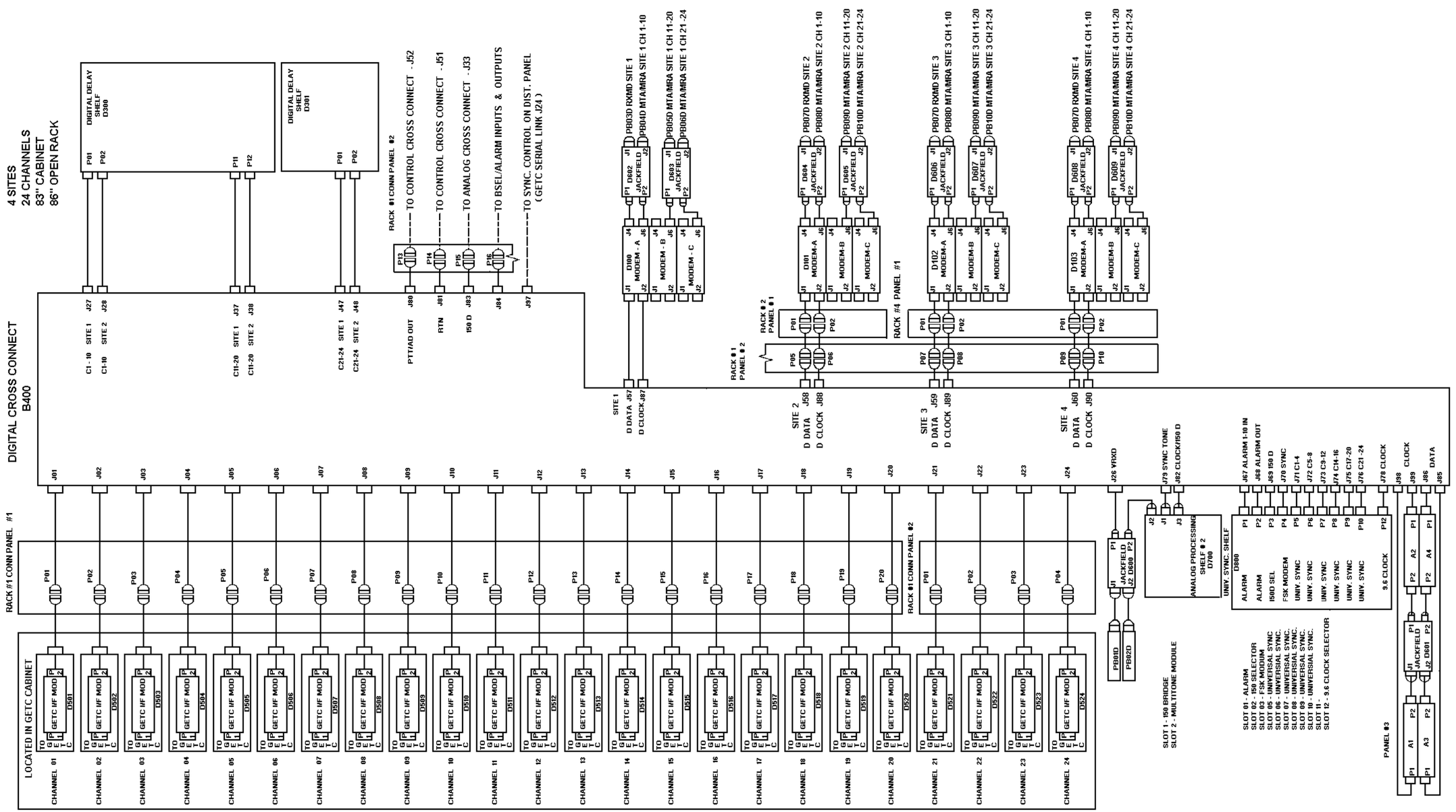
RIC RACK

PANEL 1 MODULE 3 RIC AUDIO (LIX)1-12	J14 SITE CNTL PANEL 1 MOD2	J14 R	19D903880P121	15’
PANEL 1 MODULE 4 RIC AUDIO (LIX)13-24	J14 SITE CNTL PANEL 1 MOD3	J14 S	19D903880P121	15’
PANEL 1 MODULE 5 SERIAL LINK	J21 SITE CNTL PANEL 1 MOD6	J04 T	19D903880P162	10’
PANEL 1 MODULE 6				

SITE CONTROLLER

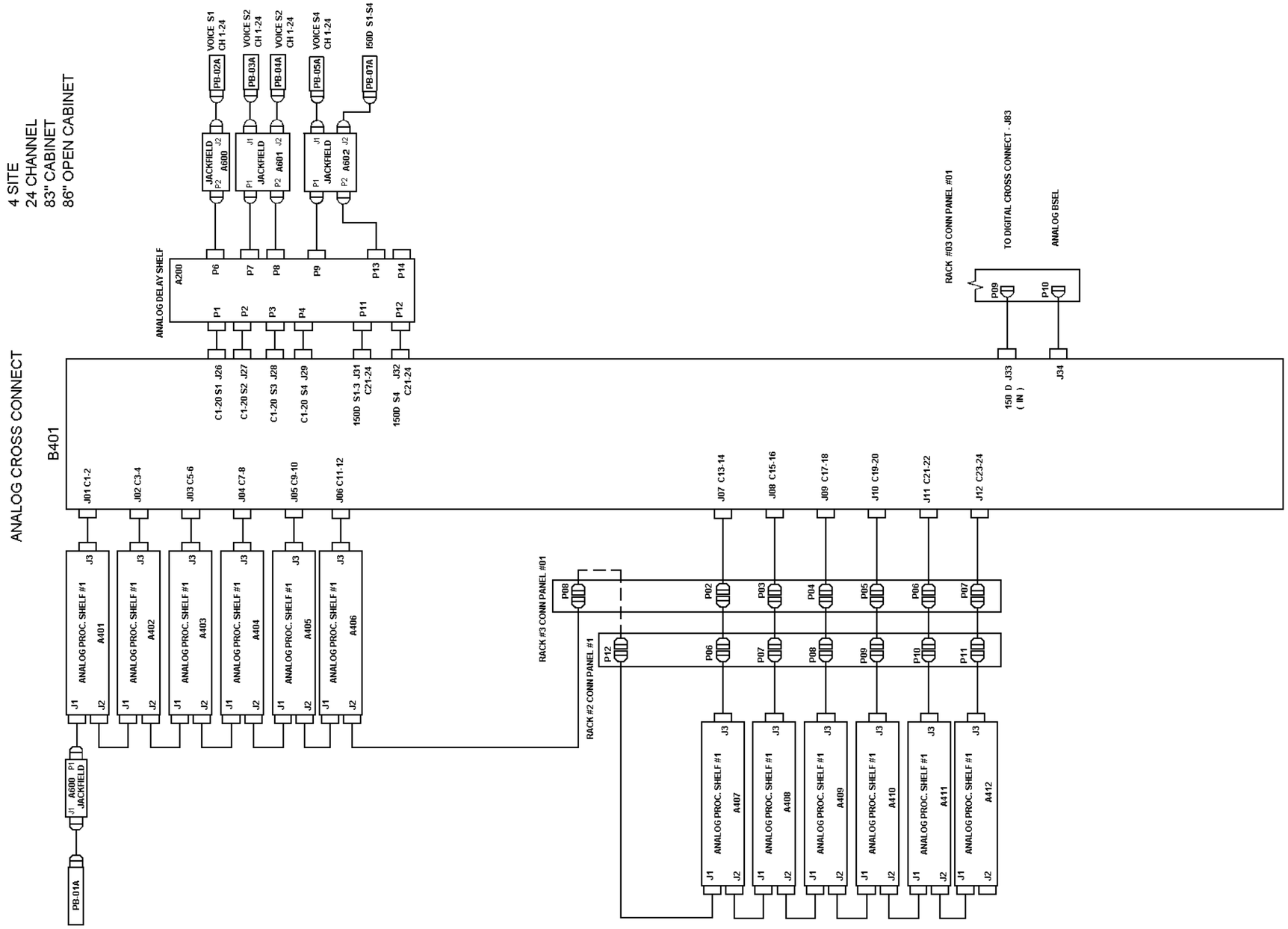
PANEL 2 MODULE 2 EXTERNAL PHONE LINE 1-12	CONNECTION (TO PLA MODULE)
PANEL 2 MODULE 3 EXTERNAL PHONE LINE 13-24	CONNECTION (TO PLA MODULE)

4 SITE 24 CHANNEL CONFIGURATION
Interrack Signal & Power Cabling



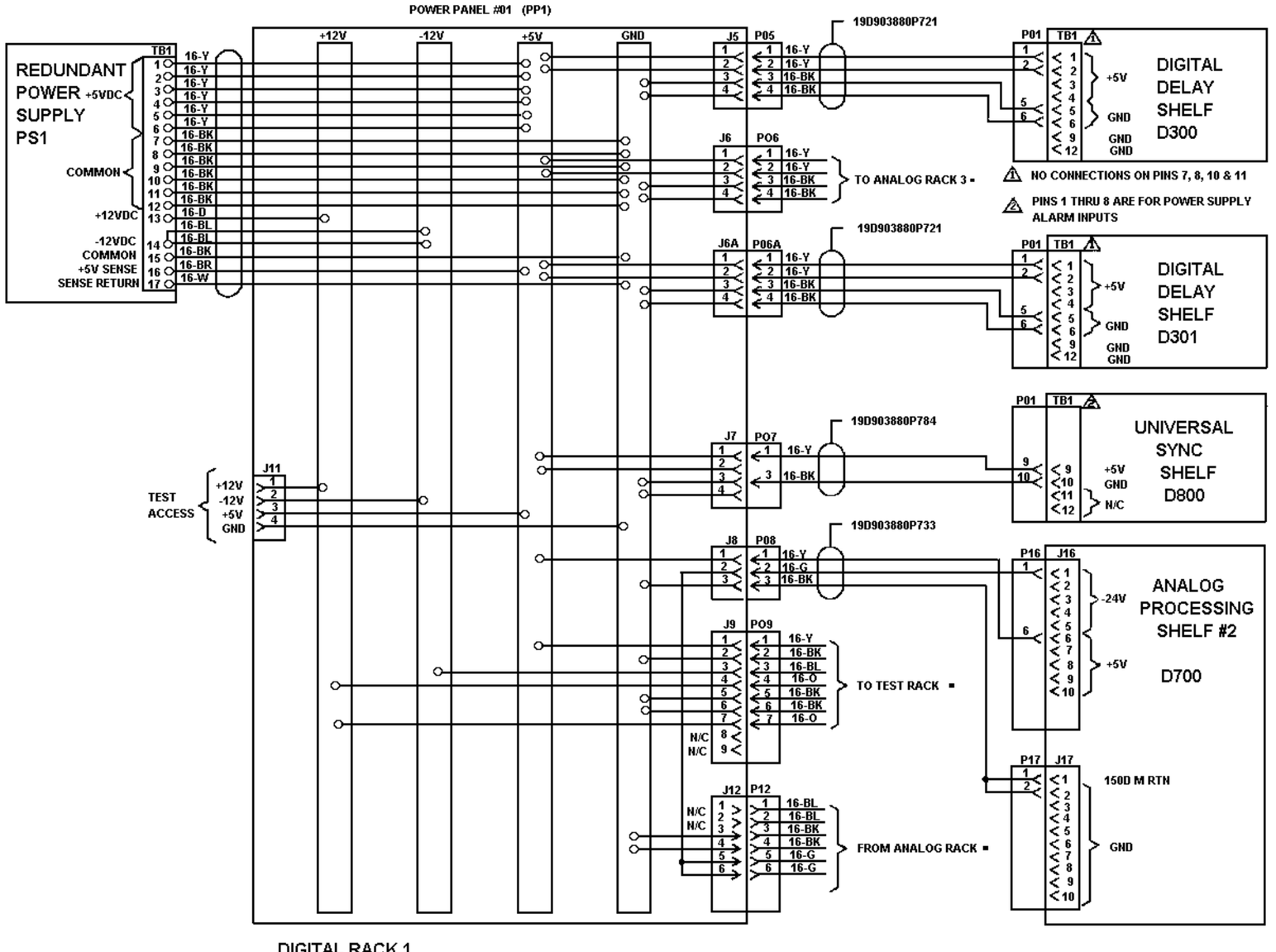
4 SITE 24 CHANNEL CONFIGURATION
Digital Cross Connect

(19D904510, Sh. 2, Rev. 1)



4 SITE 24 CHANNEL CONFIGURATION
Analog Cross Connect

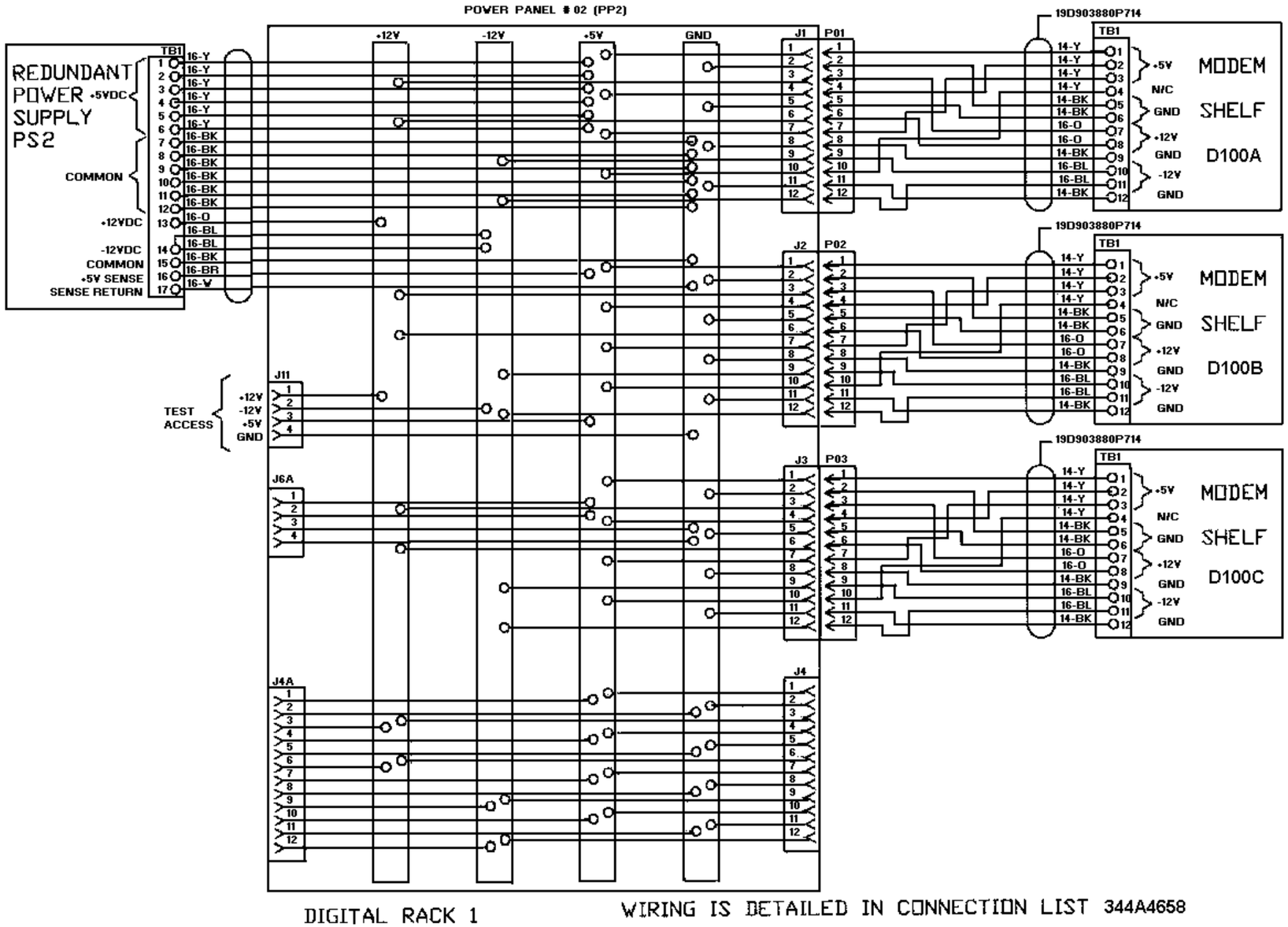
(19D904511, Sh. 1, Rev. 1)



WIRING IS DETAILED IN CONNECTION LIST 344A4658
* SEE 19C852397 SH 2 FOR INTERRACK POWER WIRING DIAGRAM

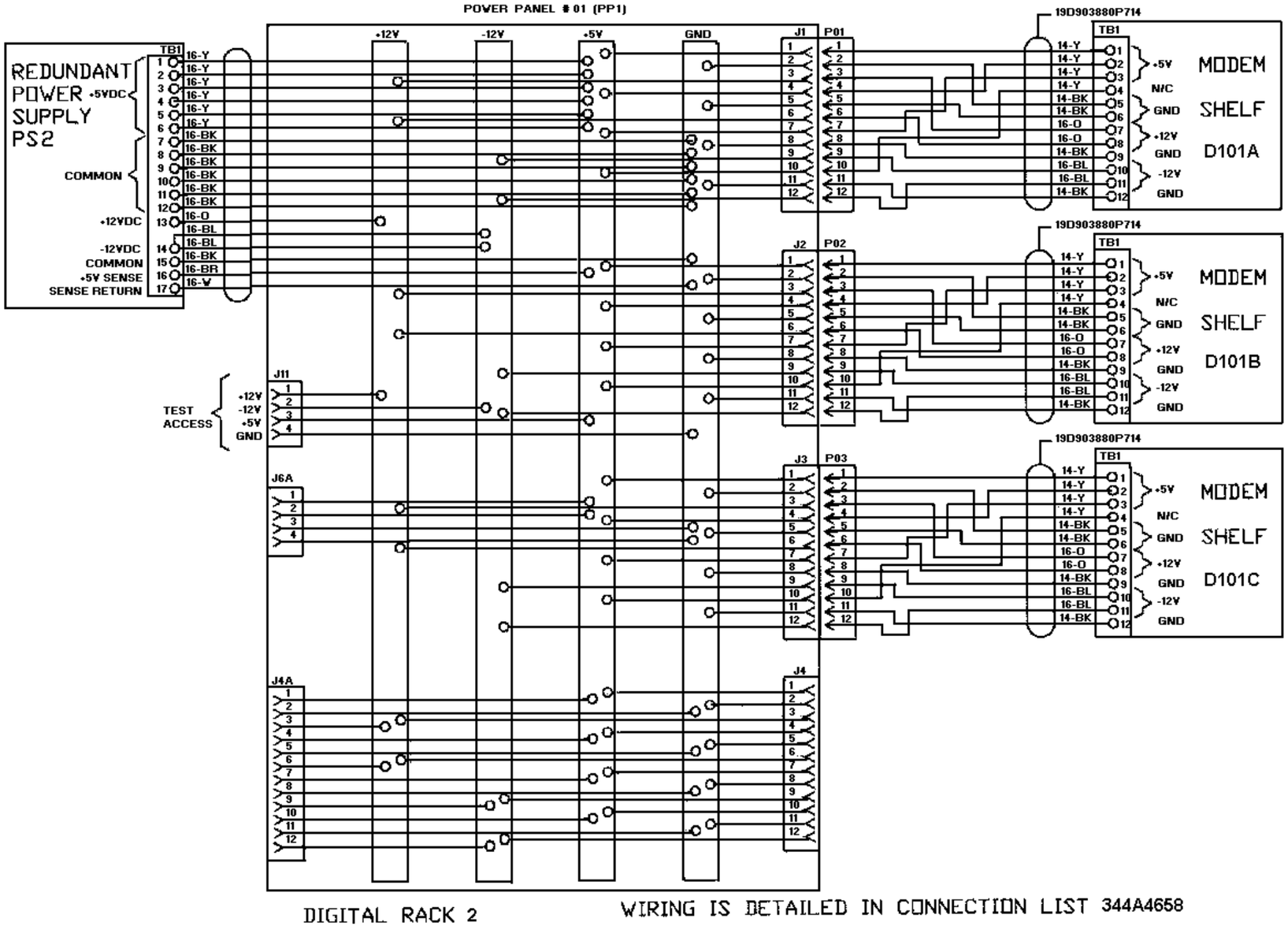
4 SITE 24 CHANNEL CONFIGURATION
Digital Rack 1

(19C852417, Sh. 1, Rev. 0)



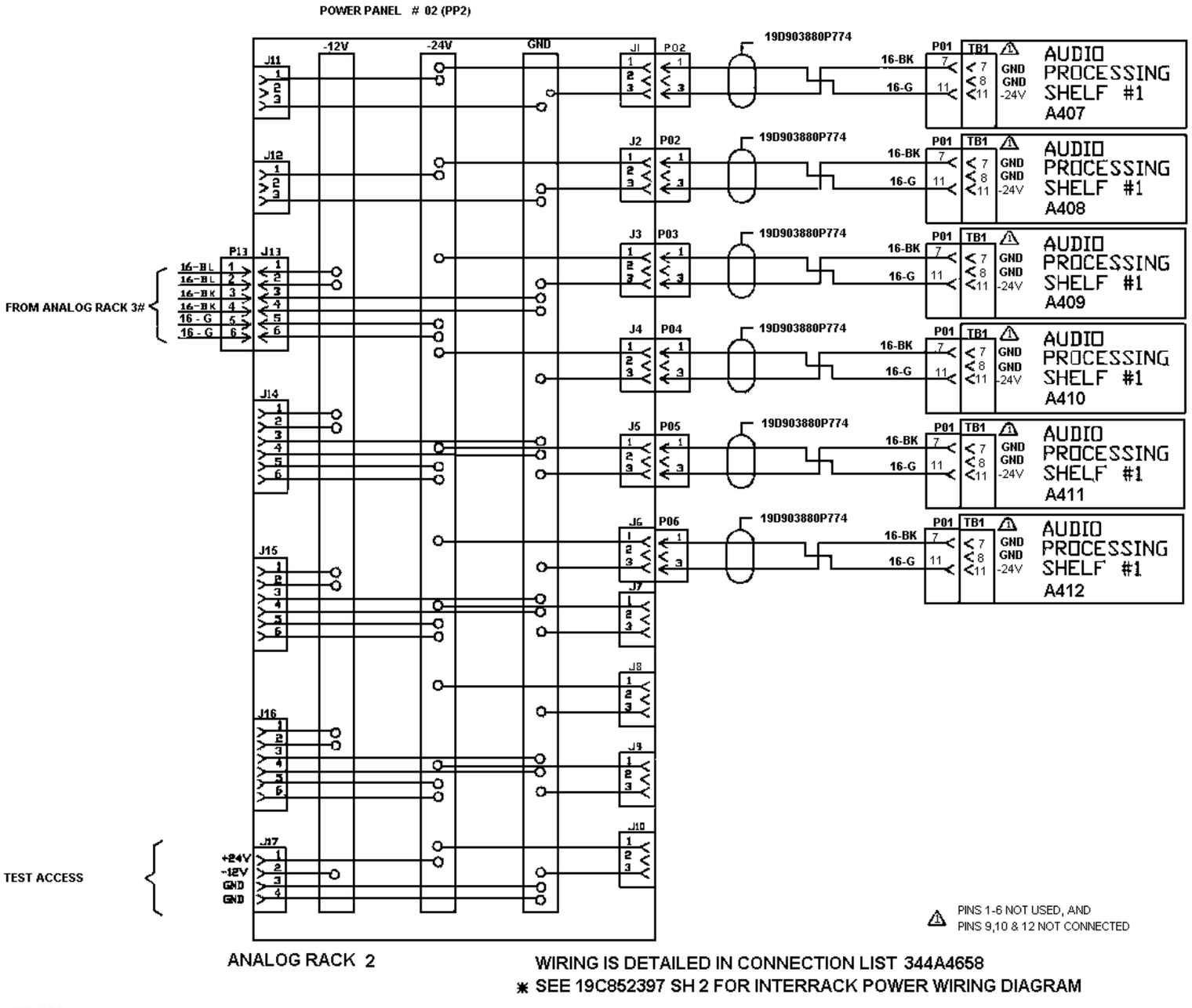
4 SITE 24 CHANNEL CONFIGURATION
Digital Rack 1

(19C852417, Sh. 2, Rev. 0)



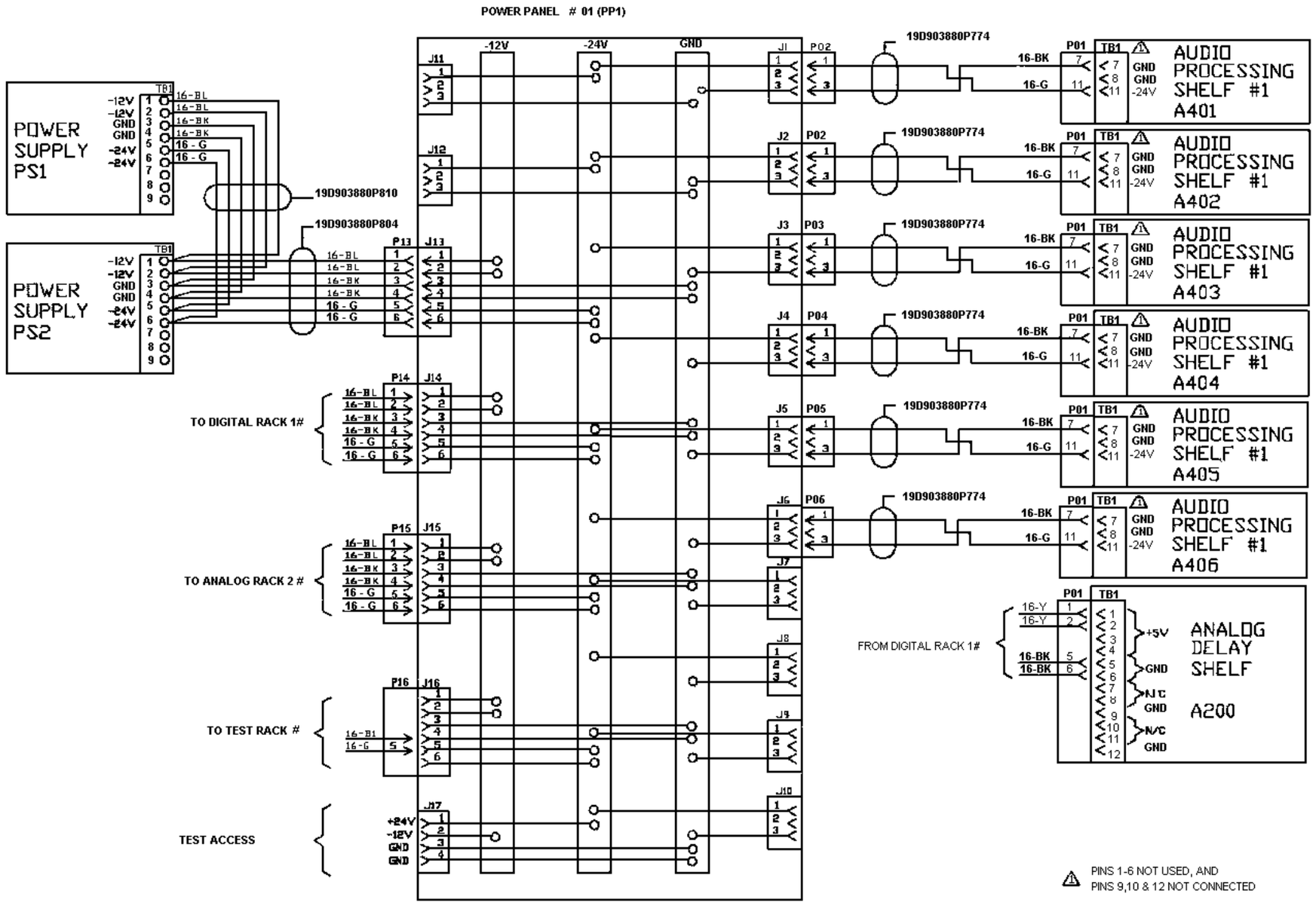
4 SITE 24 CHANNEL CONFIGURATION
Digital Rack 2

(19C852417, Sh. 3, Rev. 0)



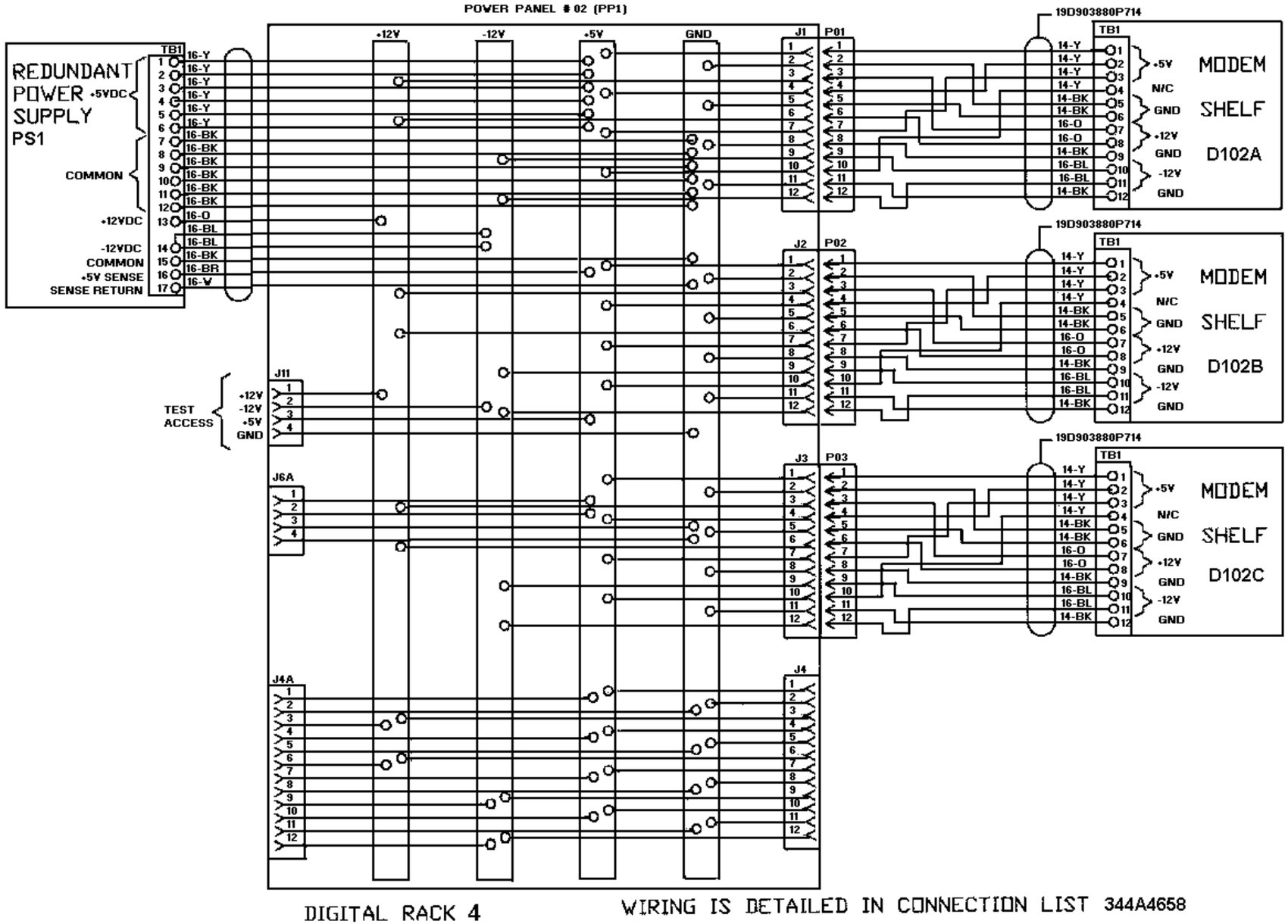
4 SITE 24 CHANNEL CONFIGURATION
Analog Rack 2

(19C852417, Sh. 4, Rev. 0)



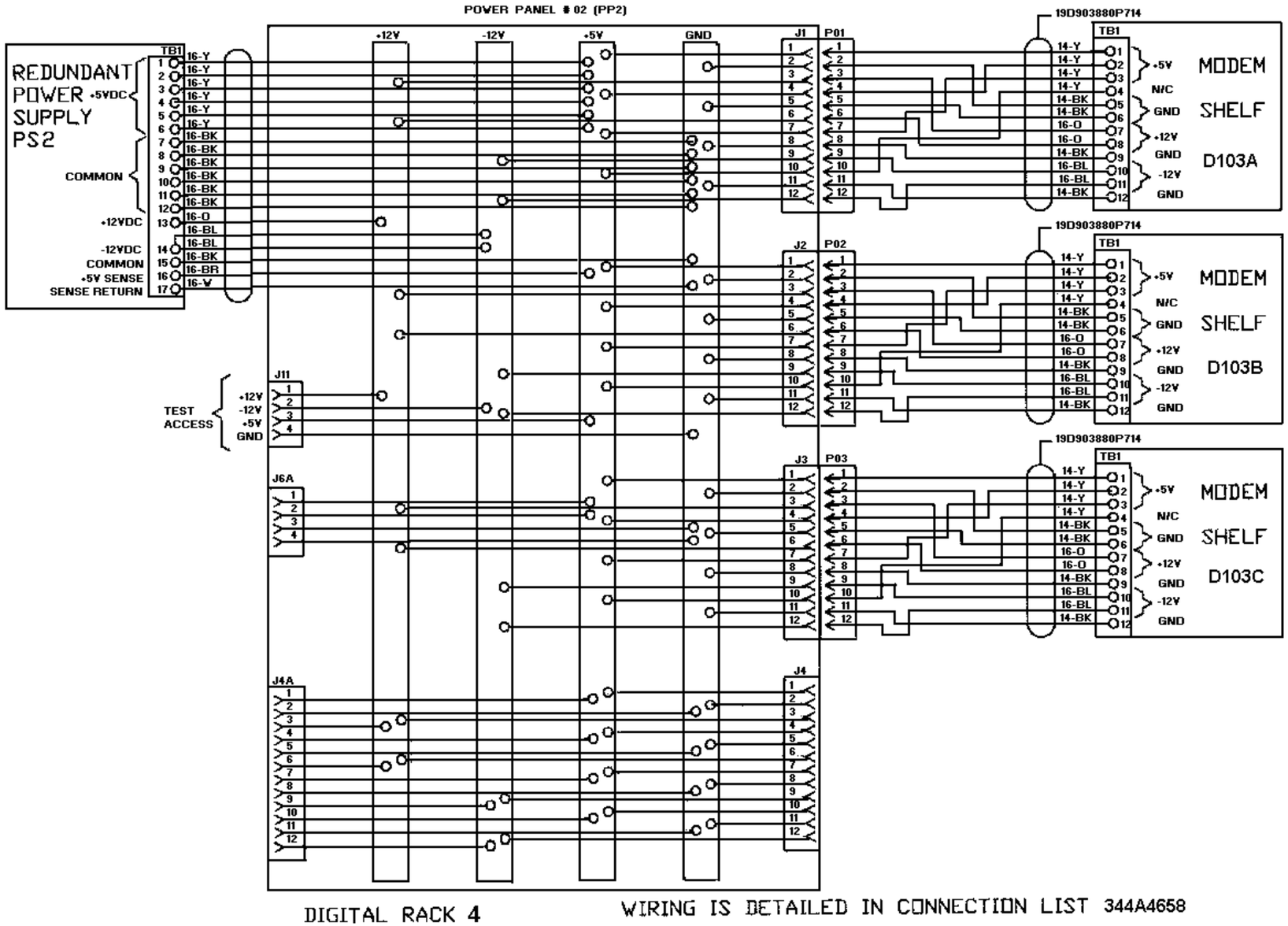
4 SITE 24 CHANNEL CONFIGURATION
Analog Rack 3

(19C852417, Sh. 5, Rev. 0)



4 SITE 24 CHANNEL CONFIGURATION
Digital Rack 4

(19C852417, Sh. 6, Rev. 0)



4 SITE 24 CHANNEL CONFIGURATION
DC Power Wiring Diagram, Digital Rack 4

(19C852417, Sh. 7, Rev. 0)