INSTALLATION & MAINTENANCE MANUAL

SIMULCAST SYSTEM DRAWINGS
CONTROL POINT COMMON EQUIPMENT
10 SITES, 10 CHANNELS (RS-232 VERSION)

TABLE OF CONTENTS

ERICSSON

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DESCRIPTION

This manual contains the equipment configuration drawings and cable inter- and intra-rack wiring diagrams for installation and maintenance of an RS-232 Simulcast Control Point with up to 10 Sites and up to 10 Channels. The cable connection lists provide detailed rack interconnect cabling information that supports the wiring diagram referenced in the Table of Contents. Configuration drawings identify the location of the equipment modules in each shelf. Being familiar with the information contained on each of these drawings make servicing the Simulcast System easier.

Configuration drawings identify the function of each shelf (GETC, Digital, Test Equipment, and Analog racks) used in the Simulcast **E**nhanced **D**igital **A**ccess **C**ommunications **S**ystem (**EDACS®**) and specifies the site assignments for the analog delay shelf located in the analog rack. The configuration drawings also show the rear view of the racks to identify the interconnecting jack and plug connectors for each shelf on the digital and analog equipment racks.

Each item in the simulcast system is identified by a four digit number which defines the cross connect panel to which it is connected, the shelf, and channel number, if applicable. The cross connect panels are identified by an alpha/numeric number sequence as defined below:

1st Digit	**Connects To**
"A"	Analog Cross Connect
"C"	Control Panel Cross Connect
"D"	Digital Cross Connect
"T"	Transmit Site Cross Connect

The second digit defines the shelf type while the 3rd and 4th digit define the associated channel number, if applicable.

Digit	**Shelf**
1	Modem Shelf
2	Analog Delay Shelf
3	Digital Delay Shelf
4	Analog Processing Shelf 1 (Equalizer)
5	GETC Interface
6	Jackfield
7	Analog Processing Shelf #2
8	Universal Sync Shelf
9	Control Panel

Digits 3 & 4

01 - Channel 1
02 - Channel 2
xx - Channel xx

For example D501 decodes as shown below:

D501

"D"	Digital Cross Connect
"5"	GETC I/F
"01"	Channel Number

INTRARACK CABLING

Field installation drawings show the rack/cabinet dc power and signal cabling interconnections between the Simulcast Digital, Analog and Test Equipment Racks and also between the Digital Rack of the Simulcast equipment and the GETC, RIC and Site Controller cabinets.

The Intrarack Cable Connection List (344A4884) identifies all interconnecting cables and their termination points for a 10 site 10 channel system. For a complete system, each cable listed on the cable connection list must be installed and verified at the time of installation. However, system equipped with less than 10 sites and 10 channels will not have all the signal cables listed on the connection list installed. Only those cables required to bring the system up to the specified customer configuration of sites and channels will be installed. Drawings 19C852595, sheet 1 and 19C852390 defines the signal cable routing. Drawing 19C852390 is for 10 channel operation or less. Drawing 19C852595, sheet 2 defines the dc power cable routing.

DC POWER INTRARACK WIRING

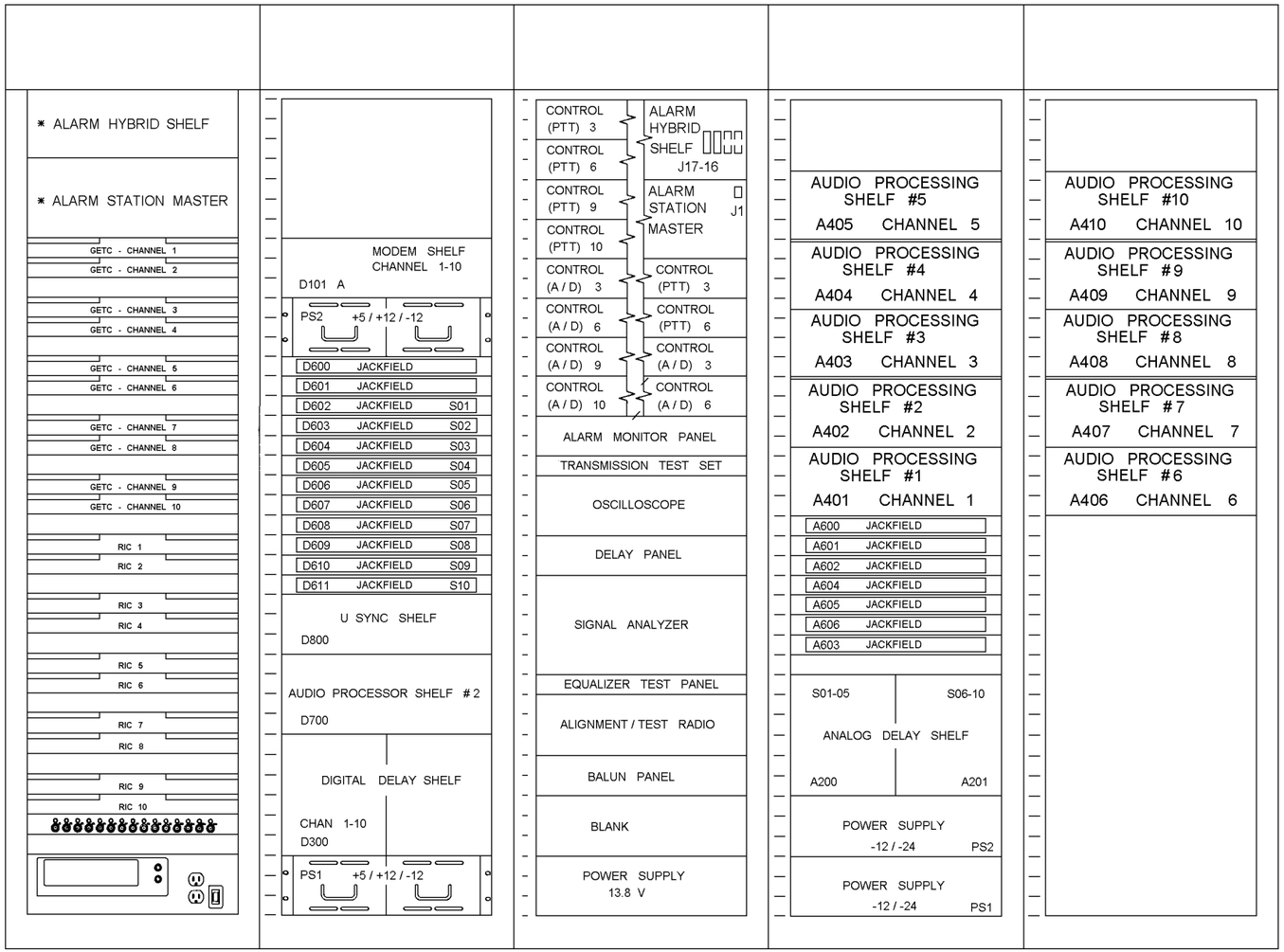
DC power wiring diagram 19C852587 shows the power distribution from the power supplies through the Analog and Digital Power Distribution Panels to the equipment shelves in the digital and analog racks. Sheets 1 and 2 define the power cabling to the digital rack and Sheet 3 defines the power cabling to analog rack 2.

Cable connection 344A4225P1 provides module location and identification information, P2 (Digital Rack 1) and P4 (Analog Rack 2), are referenced on the respective DC Power Wiring Diagrams and identify all interconnecting power cables between the power distribution panels and their termination points on the equipment shelves. Also listed is the dc power wiring between the power supplies and the respective power distribution panel. All intrarack wiring and cabling is completed and verified at the factory.

The Digital Cross Connect diagram defines the cable connections between the Digital Cross Connect Panel B400 and Connector Panel (GETC Rack, cross connects and alarms), Digital Delay Shelf D300, Analog Processing Shelf #2 D700, Universal Sync Shelf D800, Timing Module B403 from the multiplex equipment, and interconnections to the Digital Dispatch Option.

In addition, the diagram shows the data and clock interconnections, for each site, through the jackfields to Digital Cross Connect Panel and the station voter interface. The Analog Cross Connect Diagram shows the interconnections between Analog Cross Connect B401 and Analog Delay Shelf A200, and Analog Processing Shelves A401-A405. The analog processing shelves house the voice channel conditioning equipment for the simulcast system. The diagram also shows the 150 baud data and analog BSEL connections to the digital cross connect panel through connector panel #1.

Refer to LBI-38997, Test Rack, for Alarm/Control system intrarack connections and to LBI-38928 for the GETC intrarack connections.



* LOCATED IN TOP OF TEST RACK FOR SYSTEMS WITH LESS THAN 7 SITES

GETC RACK
PER PART 26

(41) RACK 1
FRONT VIEW

TEST RACK
PER PART 23

FOR SITES 7 OR MORE

PART 24 FOR SITES 6 OR LESS

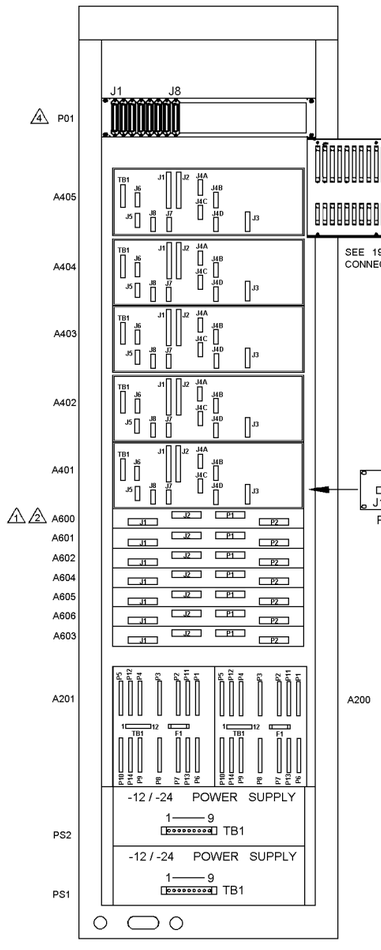
(9) RACK 3
FRONT VIEW

(42) RACK 2
FRONT VIEW

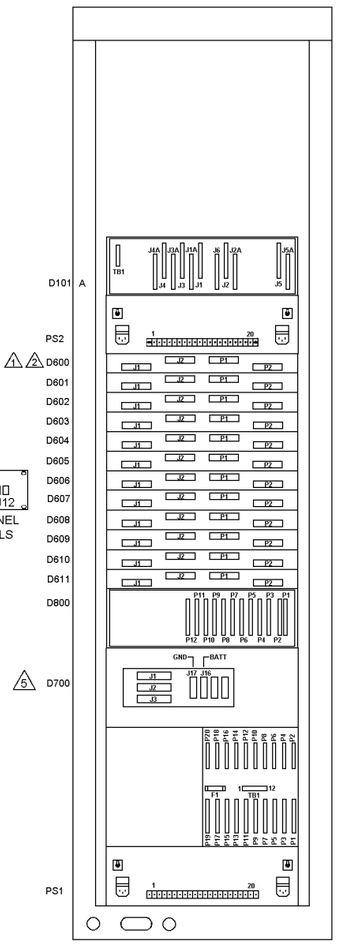
SEE 344A4225 FOR
MODULE IDENTIFICATION
AND CONNECTION LIST

10 SITE 10 CHANNEL CONFIGURATION
Equipment Rackup, Front View

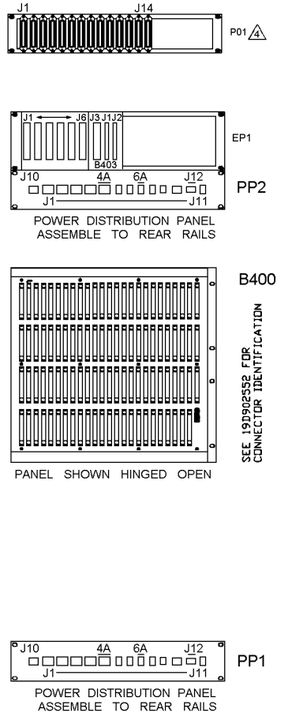
(19D904160, Sh. 30, Rev. 1)

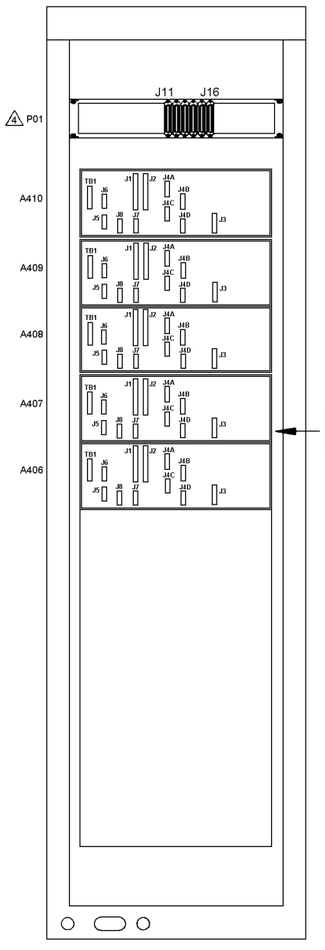


9 RACK 3
REAR VIEW



41 RACK 1
REAR VIEW





42 RACK 2
REAR VIEW

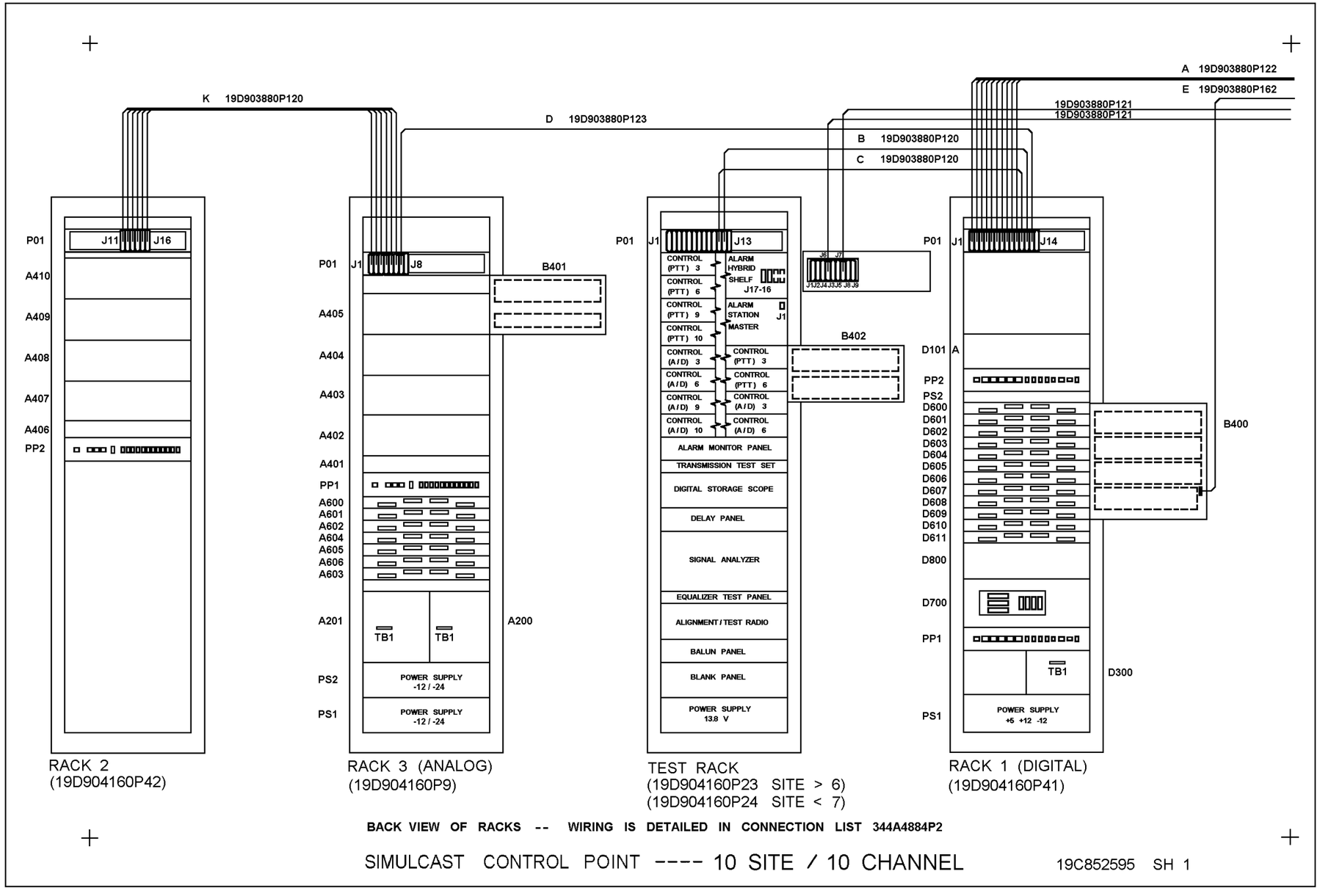
1. BEFORE INSTALLING IN THE CABINET, MODIFY ALL JACKFIELDS EXCEPT D601 AS FOLLOWS:
   INSTALL BAILLOCKS (19B800935P16) ON CONNECTORS J1 & J2 ONLY, USING HARDWARE SUPPLIED IN KIT 344A4675G1.
2. AFTER INSTALLING CABLES ON THE JACKFIELDS, INSTALL LOCKING CLIPS (19B800935P6) ON P1 & P2 OF ALL JACKFIELDS (A600-A606 & D600-D611) ALSO INSTALL LOCKING CLIPS ON J1 & J2 OF D601 ONLY.
3. APPLY JACKFIELD MARKER STRIPS PER 19C852404 AND 19B803824
4. INSTALL BAIL LOCKS (19B800935P16) ON ALL CONNECTORS, USING HARDWARE SUPPLIED IN KIT 344A4675G1.
5. BEFORE INSTALLING SHELF ASM. 19D902544G1 IN THE CABINET, MODIFY AS FOLLOWS:
   - INSTALL BAILLOCKS (19B800935P16) ON CONNECTORS J1, J2 & J3
   - REMOVE AND DISCARD VENDOR SUPPLIED LOCKING BAR ASSEMBLY

SEE 344A4225 FOR
MODULE IDENTIFICATION
AND CONNECTION LIST

10 SITE / 10 CHANNEL

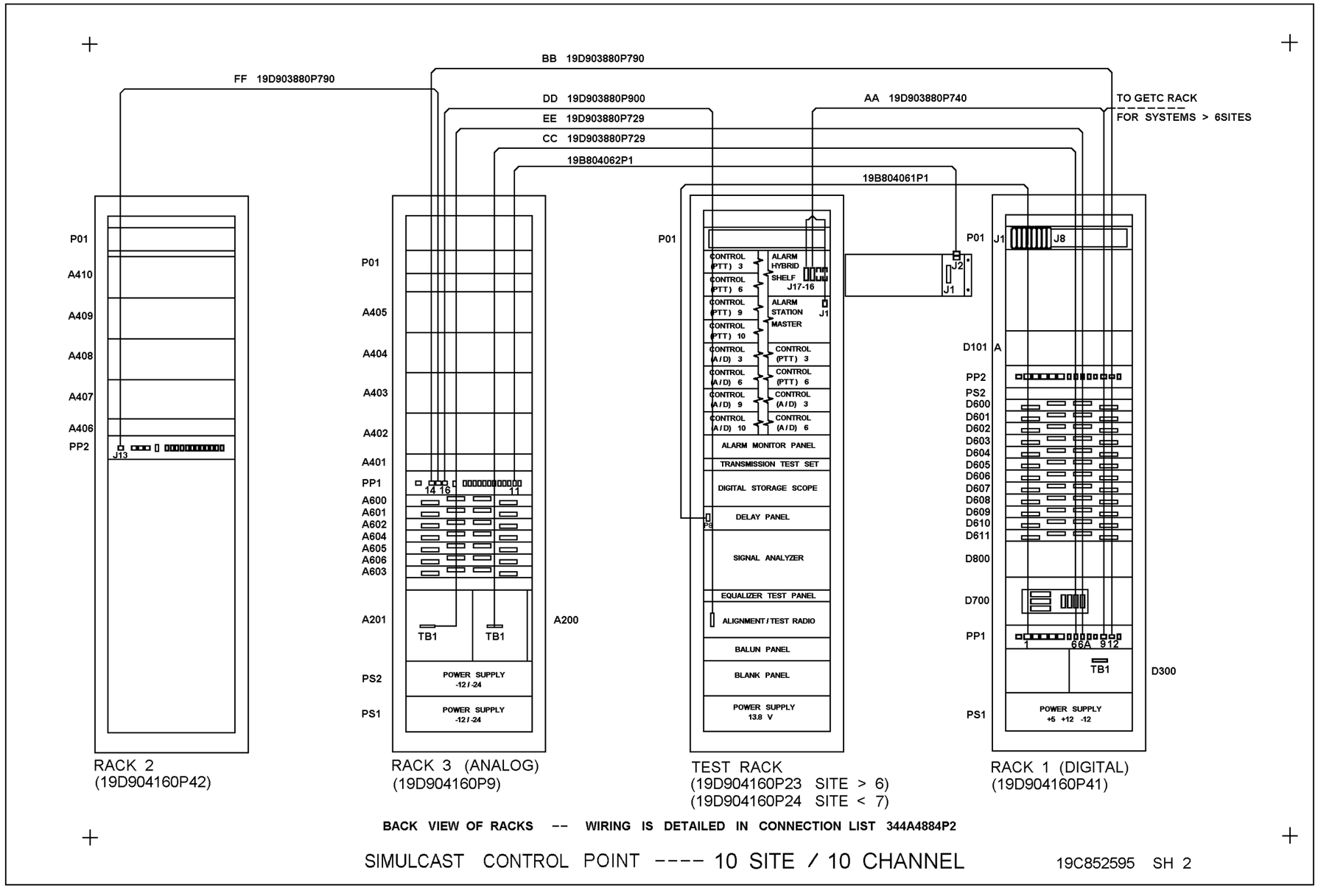
10 SITE 10 CHANNEL CONFIGURATION
Equipment Rackup, Rear View

(19D904160, Sh. 31, Rev. 1)



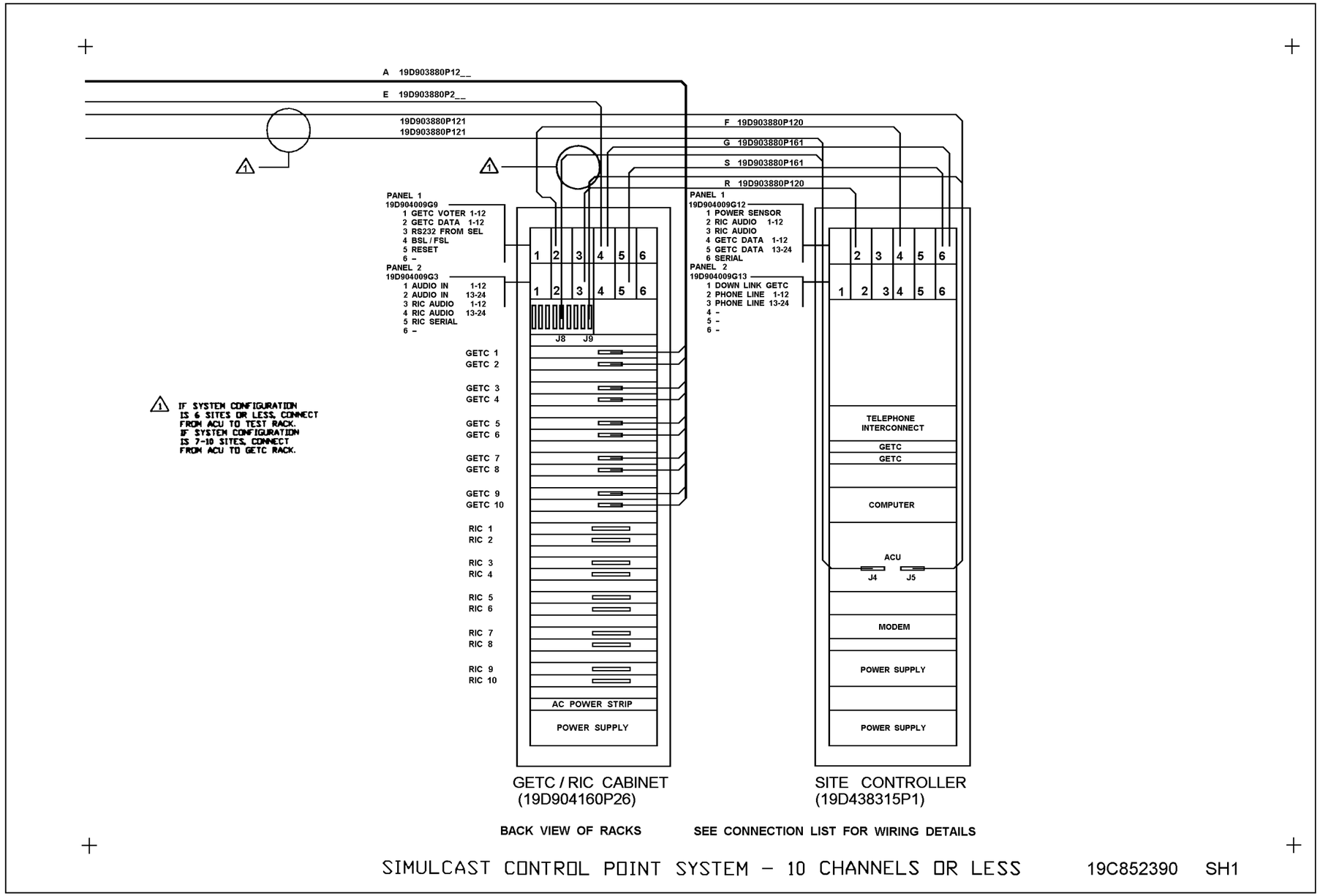
10 SITE 10 CHANNEL CONFIGURATION
Interrack Signal Cabling

(19C852595, Sh. 1, Rev. 2)



10 SITE 10 CHANNEL CONFIGURATION
Interrack Power Cabling

(19C852595, Sh. 2, Rev. 2)



10 SITE 10 CHANNEL CONFIGURATION
Interrack Cabling (10 Channels or Less)

(19C852390, Sh. 1, Rev. 3)

10 SITE 10 CHANNEL -----CABINET TO CABINET CABLES (FIELD)

PART 2 CABINET TO CABINET CABLES (RS232 DATA VERSION)

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 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 #2 CONNECTOR PANEL 01		P05		19D903880P120	J
RACK #1 CONNECTOR PANEL 02	P06	RACK #2 CONNECTOR PANEL 01		P06		19D903880P120	J
RACK #1 CONNECTOR PANEL 02	P07	RACK #2 CONNECTOR PANEL 01		P07		19D903880P120	J
RACK #1 CONNECTOR PANEL 02	P08	RACK #2 CONNECTOR PANEL 01		P08		19D903880P120	J
RACK #1 CONNECTOR PANEL 02	P09	RACK #2 CONNECTOR PANEL 01		P09		19D903880P120	J
RACK #1 CONNECTOR PANEL 02	P10	RACK #2 CONNECTOR PANEL 01		P10		19D903880P120	J
RACK #1 CONNECTOR PANEL 01	P11	RACK TEST CONNECTOR PANEL 01		P12		19D903880P120	C
RACK #1 CONNECTOR PANEL 01	P12	RACK TEST CONNECTOR PANEL 01		P13		19D903880P120	B
RACK #1 CONNECTOR PANEL 01	P13	RACK #3 CONNECTOR PANEL 01		P07		19D903880P123	D
RACK #1 CONNECTOR PANEL 01	P14	FIELD INSTAL DIGITAL ALARMS					
DIGITAL CROSS CONNECT	P97	GETC CAB. SYNC CTRL BSL/FSL		J24		19D903880P162	E
RACK #3 CONNECTOR PANEL 01	P01	RACK #2 CONNECTOR PANEL 01		P11		19D903880P120	K
RACK #3 CONNECTOR PANEL 01	P02	RACK #2 CONNECTOR PANEL 01		P12		19D903880P120	K
RACK #3 CONNECTOR PANEL 01	P03	RACK #2 CONNECTOR PANEL 01		P13		19D903880P120	K
RACK #3 CONNECTOR PANEL 01	P04	RACK #2 CONNECTOR PANEL 01		P14		19D903880P120	K
RACK #3 CONNECTOR PANEL 01	P05	RACK #2 CONNECTOR PANEL 01		P15		19D903880P120	K
RACK #3 CONNECTOR PANEL 01	P06	RACK #2 CONNECTOR PANEL 01		P16		19D903880P120	K
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 SHELF		POWER		
			HYBRID SHELF		GROUND		
PP1	RACK #1 POWER PANEL #01	J12	RACK #3 POWER PANEL01 -12/24		J14	19D903880P790	BB
PP1	RACK #1 POWER PANEL #01	J06	RACK #3 ANALOG DELAY SHELF-A200		TB1	19D903880P729	CC
PP1	RACK #3 POWER PANEL #01	J16	TEST RACK ALIGNMENT REC		TB1	19D903880P900	DD
PP1	RACK #1 POWER PANEL #01	J06A	RACK #3 ANALOG DELAY SHELF-A201		TB1	19D903880P729	EE
PP1	RACK #2 POWER PANEL #02	J13	RACK #3 POWER PANEL 01		J15	19D903880P790	FF
PP1	RACK #1 POWER PANEL #01	J01	TEST RACK DELAY PANEL		P8	19B804061P1	
PP1	RACK #3 POWER PANEL #01	J11	TEST RACK CPR MODULE		J2	19B804062P1	

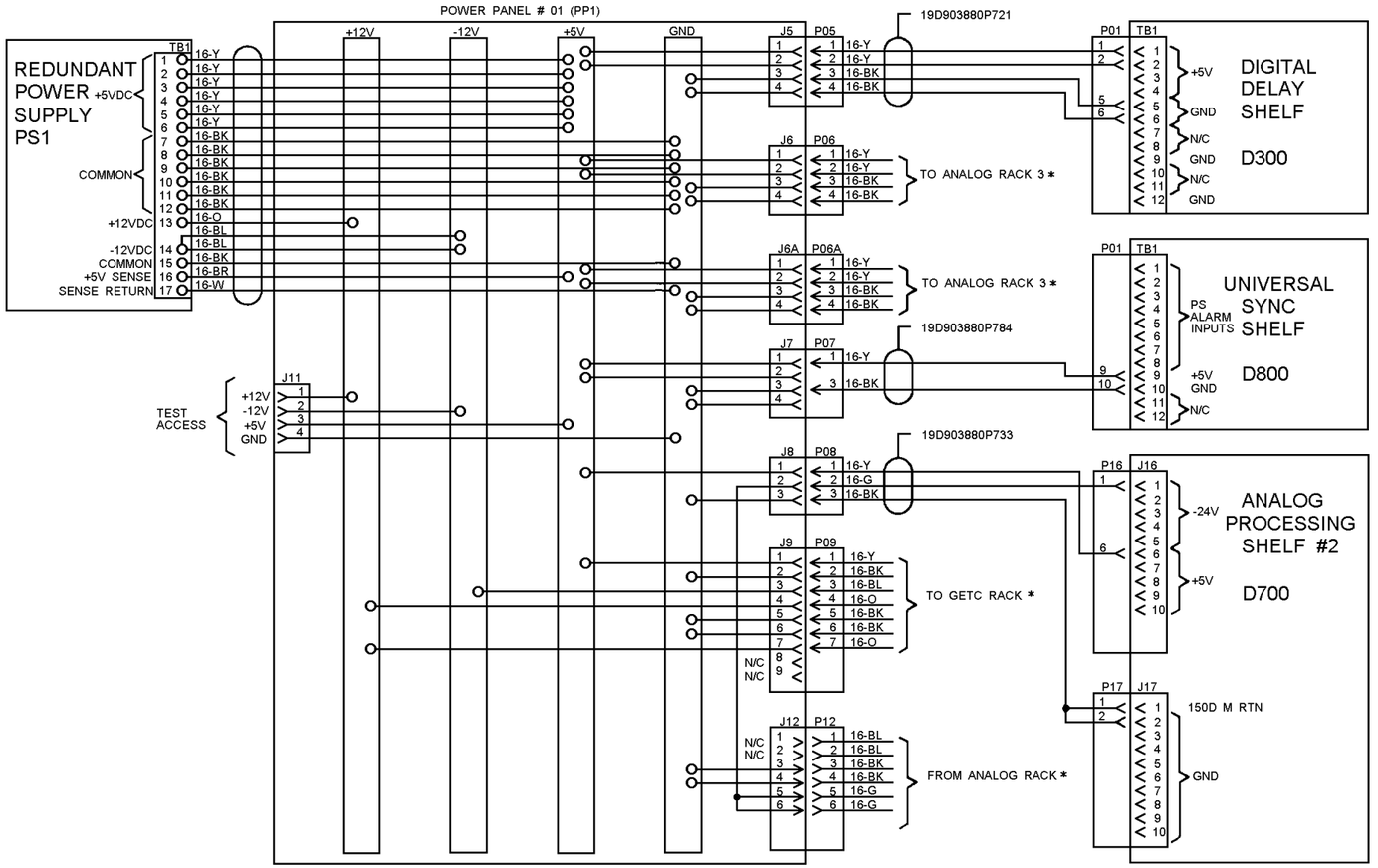
SITE CONTROLLER TO GETC/RIC RACK

RACK RIC/GETC	GETC DATA 1-12	J14	SITE CNTL GETC DATA 1-12		J14	19D903880P120	F
RACK GETC/RIC	GETC BSL/FSL	J21	SITE CNTL SERIAL MODULE		J14	19D903880P161	G
RACK GETC/RIC	RIC AUDIO 1-12	J14	SITE CNTL RIC AUDIO 1-12		J14	19D903880P120	R
RACK GETC/RIC	RIC SERIAL	J21	SITE CNTL SERIAL MODULE		J4	19D903880P161	S
RACK GETC/RIC	ISO MODULE*	J08	SITE CNTL ACU		J4	19D903880P121	
RACK GETC/RIC	ISO MODULE*	J09	SITE CNTL ACU		J5	19D903880P121	

*ISO MODULE IS IN TEST RACK FOR <7 SITE SYSTEMS

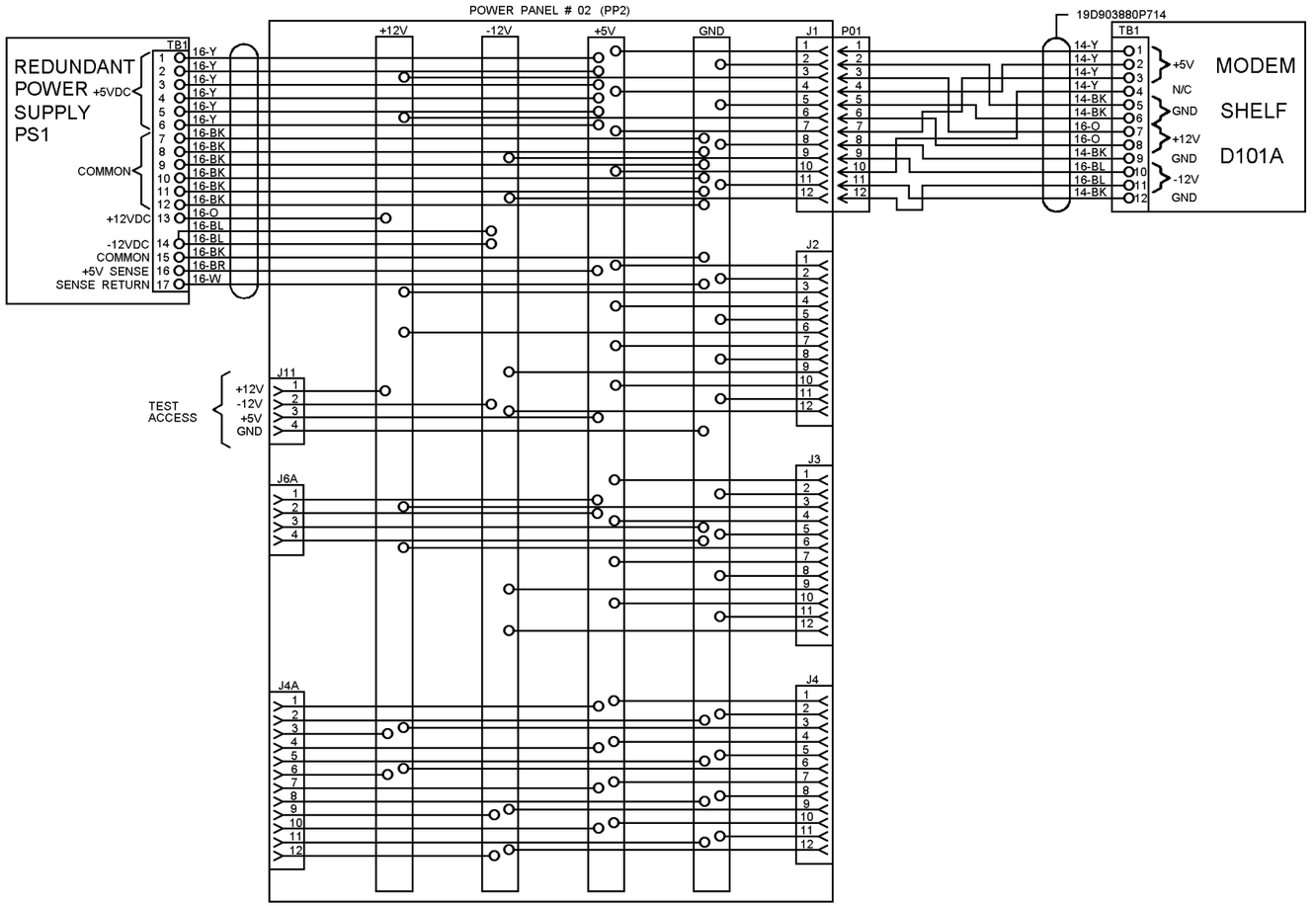
10 SITE 10 CHANNEL CONFIGURATION
Interrack (Cabinet to Cabinet) Wiring, RS-232 Version

(344A4884, Sh. 3, Rev. 1)
(344A4884, Sh. 4, Rev. 1)



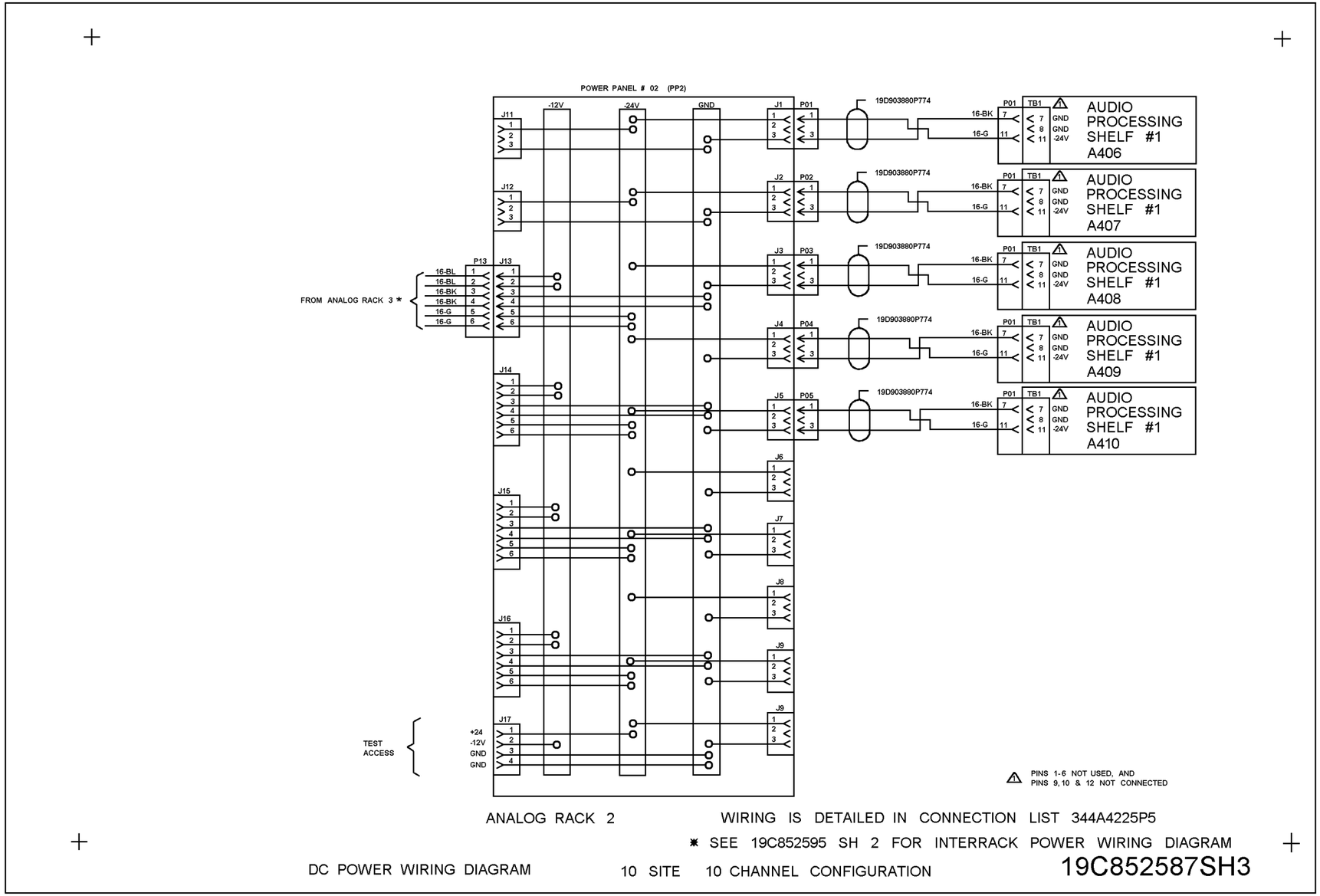
10 SITE 10 CHANNEL CONFIGURATION
Digital Rack 1

(19C852587, Sh. 1, Rev. 0)



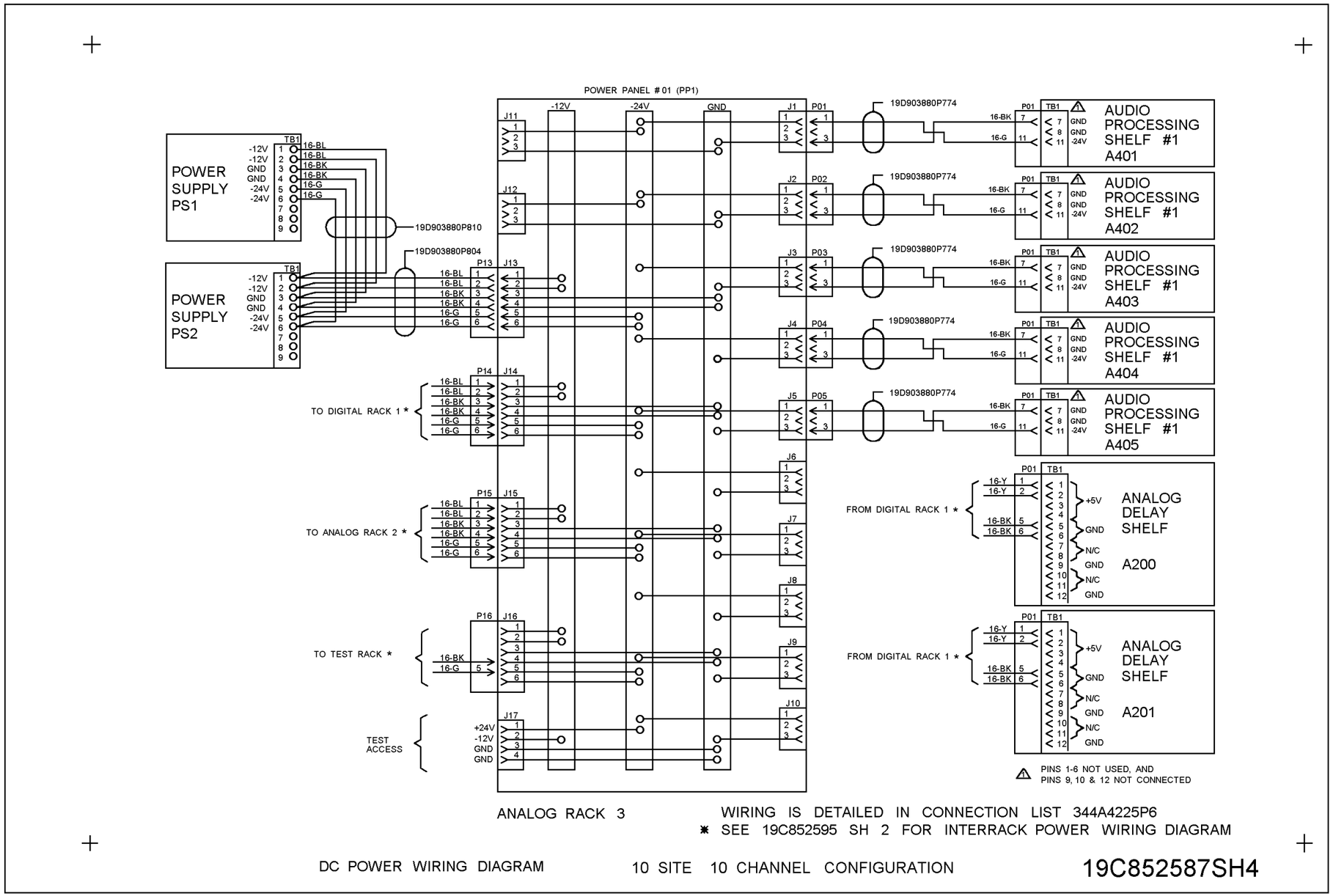
10 SITE 10 CHANNEL CONFIGURATION
Digital Rack 1 With Digital Dispatch Option

(19C852587, Sh. 2, Rev. 0)



10 SITE 10 CHANNEL CONFIGURATION
Analog Rack 2

(19C852587, Sh. 3, Rev. 0)



10 SITE 10 CHANNEL CONFIGURATION
Analog Rack 4

(19C852587, Sh. 4, Rev. 0)

FOR CABINET TO CABINET AND EXTERNAL WIRING SEE 344A4884

PART 1 MODULE IDENTIFICATION

SHELF AND MODULE NUMBERS

DIGITAL DELAY SHELF	19D902531G2
DIGITAL DELAY MODULE	19D902524P1
ANALOG DELAY SHELF	19D902531G4 OR G7
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 (MODEM DATA VER. ONLY)	19D902542G1
MODEM I/F MODULE (9600 BAUD)	19D902442P1
MODEM MODULE (9600 BAUD)	19A705178P1

10 SITE 10 CHANNEL CONFIGURATION
Module Identification (Part 1)

(344A4225, Sh. 1, Rev. 6)
(344A4225, Sh. 2, Rev. 6)

MODULE LOCATION IN RACKS

DIGITAL DELAY SHELF

DIGITAL			
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 03	DIGITAL DELAY MODULE	SITE #05 CHANNELS	1-10
		SITE #06 CHANNELS	1-10
SLOT 04	DIGITAL DELAY MODULE	SITE #07 CHANNELS	1-10
		SITE #08 CHANNELS	1-10
SLOT 05	DIGITAL DELAY MODULE	SITE #09 CHANNELS	1-10
		SITE #10 CHANNELS	1-10

UNIVERSAL SYN SHELF

SLOT 01	ALARM MODULE	
SLOT 02	150 BAUD DATA SELECTOR MODULE	
SLOT 03	FSK MODEM	
SLOT 05	UNIVERSAL SYN MODULE	CHANNELS 01-04
SLOT 06	UNIVERSAL SYN MODULE	CHANNELS 05-08
SLOT 07	UNIVERSAL SYN MODULE	CHANNELS 09-10
SLOT 12	9.6 CLOCK SELECTOR MODULE	

ANALOG PROCESSING SHELF #2

SLOT 01	150 BAUD BRIDGE	
SLOT 02	MULTITONE MODULE	SITE 01-04
SLOT 03	MULTITONE MODULE	SITE 05-08
SLOT 04	MULTITONE MODULE	SITE 09-10

MODEM SHELF (MODEM DATA VERSION ONLY)

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

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
SLOT 11	ANALOG DELAY MODULE SITE #06 CHANNELS	01-10
SLOT 13	ANALOG DELAY MODULE SITE #07 CHANNELS	01-10
SLOT 15	ANALOG DELAY MODULE SITE #08 CHANNELS	01-10
SLOT 17	ANALOG DELAY MODULE SITE #09 CHANNELS	01-10
SLOT 19	ANALOG DELAY MODULE SITE #10 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	EQUALIZER SITE #6
SLOT #9	EQUALIZER SITE #7
SLOT #10	EQUALIZER SITE #8
SLOT #11	EQUALIZER SITE #9
SLOT #12	EQUALIZER SITE #10

RACK #1	APPLICATION ASM 19D904160P41	RS232 DATA
RACK #2	APPLICATION ASM 19D904160P42	RS232 DATA
RACK #3	APPLICATION ASM 19D904160P9	

PART 2 RACK 1 (19D904160P41) CONNECTION LIST

SITE	CHAN.	FROM	TO		CABLE
A	C01	DIG. CROSS CONN. J01	CONN. PANEL #01	P01	19D903985P26
A	C02	DIG. CROSS CONN. J02	CONN. PANEL #01	P02	19D903985P26
A	C03	DIG. CROSS CONN. J03	CONN. PANEL #01	P03	19D903985P26
A	C04	DIG. CROSS CONN. J04	CONN. PANEL #01	P04	19D903985P26
A	C05	DIG. CROSS CONN. J05	CONN. PANEL #01	P05	19D903985P26
A	C06	DIG. CROSS CONN. J06	CONN. PANEL #01	P06	19D903985P26
A	C07	DIG. CROSS CONN. J07	CONN. PANEL #01	P07	19D903985P26
A	C08	DIG. CROSS CONN. J08	CONN. PANEL #01	P08	19D903985P26
A	C09	DIG. CROSS CONN. J09	CONN. PANEL #01	P09	19D903985P26
A	C10	DIG. CROSS CONN. J10	CONN. PANEL #01	P10	19D903985P26
		DIG. CROSS CONN. J25	NC		---
A	A	DIG. CROSS CONN. J26	JACKFIELD D600	P01	19D903985P24
S01	C01-10	DIG. CROSS CONN. J27	DIG. DELAY D300	P01	19D903985P16
S02	C01-10	DIG. CROSS CONN. J28	DIG. DELAY D300	P02	19D903985P16
S03	C01-10	DIG. CROSS CONN. J29	DIG. DELAY D300	P03	19D903985P16
S04	C01-10	DIG. CROSS CONN. J30	DIG. DELAY D300	P04	19D903985P16
S05	C01-10	DIG. CROSS CONN. J31	DIG. DELAY D300	P05	19D903985P16
S06	C01-10	DIG. CROSS CONN. J32	DIG. DELAY D300	P06	19D903985P16
S07	C01-10	DIG. CROSS CONN. J33	DIG. DELAY D300	P07	19D903985P16
S08	C01-10	DIG. CROSS CONN. J34	DIG. DELAY D300	P08	19D903985P16
S09	C01-10	DIG. CROSS CONN. J35	DIG. DELAY D300	P09	19D903985P16
S10	C01-10	DIG. CROSS CONN. J36	DIG. DELAY D300	P10	19D903985P16
S01	A	DIG. CROSS CONN. J57	JACKFIELD D602	P01	19D903985P24
S02	A	DIG. CROSS CONN. J58	JACKFIELD D603	P01	19D903985P24
S03	A	DIG. CROSS CONN. J59	JACKFIELD D604	P01	19D903985P24
S04	A	DIG. CROSS CONN. J60	JACKFIELD D605	P01	19D903985P24
S05	A	DIG. CROSS CONN. J61	JACKFIELD D606	P01	19D903985P24
S06	A	DIG. CROSS CONN. J62	JACKFIELD D607	P01	19D903985P24
S07	A	DIG. CROSS CONN. J63	JACKFIELD D608	P01	19D903985P24
S08	A	DIG. CROSS CONN. J64	JACKFIELD D609	P01	19D903985P24
S09	A	DIG. CROSS CONN. J65	JACKFIELD D610	P01	19D903985P24
S10	A	DIG. CROSS CONN. J66	JACKFIELD D611	P01	19D903985P24
		DIG. CROSS CONN. J67	UNIV. SYNC D800	P01	19D903985P16
		DIG. CROSS CONN. J68	UNIV. SYNC D800	P02	19D903985P16
A		DIG. CROSS CONN. J69	UNIV. SYNC D800	P03	19D903985P16
A		DIG. CROSS CONN. J70	UNIV. SYNC D800	P04	19D903985P16
A	C01-04	DIG. CROSS CONN. J71	UNIV. SYNC D800	P05	19D903985P16
A	C05-08	DIG. CROSS CONN. J72	UNIV. SYNC D800	P06	19D903985P16
A	C09-10	DIG. CROSS CONN. J73	UNIV. SYNC D800	P07	19D903985P16

10 SITE 10 CHANNEL CONFIGURATION
Module Identification (Part 1)
Rack 1 (19D904160P41) Connection List (Part 2)

(344A4225, Sh. 3, Rev. 6)
(244A4225, Sh. 4, Rev. 6)

SITE	CHAN.	FROM		TO		CABLE
		DIG. CROSS CONN.	J77	N/C		
		DIG. CROSS CONN.	J78	TIMING MOD.B403	J02	19D903985P16
A	A	DIG. CROSS CONN.	J79	AN PROC D700	J01	19D903985P36
A	A	DIG. CROSS CONN.	J80	CONN. PANEL #01	P11	19D903985P26
A	A	DIG. CROSS CONN.	J81	CONN. PANEL #01	P12	19D903985P26
A		DIG. CROSS CONN.	J82	AN. PROC. D700	J03	19D903985P36
A		DIG. CROSS CONN.	J83	CONN. PANEL #01	P13	19D903985P26
		DIG. CROSS CONN.	J84	CONN. PANEL #01	P14	19D903985P26
A	A	DIG. CROSS CONN.	J85	JACKFIELD D601	J01	19D903985P34
A	A	DIG. CROSS CONN.	J86	JACKFIELD D601	P01	19D903985P24
S01	A	DIG. CROSS CONN.	J87	JACKFIELD D602	P02	19D903985P24
S02	A	DIG. CROSS CONN.	J88	JACKFIELD D603	P02	19D903985P24
S03	A	DIG. CROSS CONN.	J89	JACKFIELD D604	P02	19D903985P24
S04	A	DIG. CROSS CONN.	J90	JACKFIELD D605	P02	19D903985P24
S05	A	DIG. CROSS CONN.	J91	JACKFIELD D606	P02	19D903985P24
S06	A	DIG. CROSS CONN.	J92	JACKFIELD D607	P02	19D903985P24
S07	A	DIG. CROSS CONN.	J93	JACKFIELD D608	P02	19D903985P24
S08	A	DIG. CROSS CONN.	J94	JACKFIELD D609	P02	19D903985P24
S09	A	DIG. CROSS CONN.	J95	JACKFIELD D610	P02	19D903985P24
S10	A	DIG. CROSS CONN.	J96	JACKFIELD D611	P02	19D903985P24
		DIG. CROSS CONN.	J97	N/C		
A	A	DIG. CROSS CONN.	J98	JACKFIELD D601	J02	19D903985P34
A	A	DIG. CROSS CONN.	J99	JACKFIELD D601	P02	19D903985P24
			J100	NC		
		UNIV. SYNC D800	P12	TIMING MOD.B403	J01	19D903985P16
A		AN. PROC. D700	J02	JACKFIELD D600	P02	19D903985P56
PP1		POWER PANEL #1	P05	DIG. DELAY D300	TB1	19D903880P721
PP1		POWER PANEL #1	P07	UNIV. SYNC D800	TB1	19D903880P784
PP1		POWER PANEL #1	P08	AN. PROC. D700	P16/17	19D903980P733

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

DIGITAL DISPATCH OPTION

A	A	MODEM SH. D101A	J04	JACKFIELD D600	J01	19D903985P34
A	C01-10	MODEM SH. D101A	J06	SYN.-VOTER MOD.	J01	19D903985P34
PP2		POWER PANEL #02	P01	MODEM SH. D101A	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

10 SITE 10 CHANNEL CONFIGURATION
Rack 1(19D904160P41) Connection List (Part 2)

(334A4225, Sh. 5, Rev. 6)
(344A4225, Sh. 6, Rev. 6)

PART 5 RACK #2 (19D904160P42) CONNECTION LIST

C06	CONNECTOR PANEL #01	P11	ANALOG PROC SHF A406	J03	19D903985P48
C07	CONNECTOR PANEL #01	P12	ANALOG PROC SHF A407	J03	19D903985P48
C08	CONNECTOR PANEL #01	P13	ANALOG PROC SHF A408	J03	19D903985P48
C09	CONNECTOR PANEL #01	P14	ANALOG PROC SHF A409	J03	19D903985P48
C10	CONNECTOR PANEL #01	P15	ANALOG PROC SHF A410	J03	19D903985P48
A406	ANALOG PROC SHELF A406	J01	CONNECTOR PANEL #01	P16	19D903985P28
C7	ANALOG PROC SHF A406	J02	ANALOG PROC SHF A407	J01	19D903985P12
C8	ANALOG PROC SHF A407	J02	ANALOG PROC SHF A408	J01	19D903985P12
C9	ANALOG PROC SHF A408	J02	ANALOG PROC SHF A409	J01	19D903985P12
C10	ANALOG PROC SHF A409	J02	ANALOG PROC SHF A410	J01	19D903985P12
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

PART 6 RACK #3 CONNECTION LIST

A	JACKFIELD A600	P01	ANALOG PROC SHF A401	J01	19D903985P22
C01	ANALOG CROSS CONNECT	J01	ANALOG PROC SHF A401	J03	19D903985P64
C02	ANALOG CROSS CONNECT	J02	ANALOG PROC SHF A402	J03	19D903985P64
C03	ANALOG CROSS CONNECT	J03	ANALOG PROC SHF A403	J03	19D903985P64
C04	ANALOG CROSS CONNECT	J04	ANALOG PROC SHF A404	J03	19D903985P64
C05	ANALOG CROSS CONNECT	J05	ANALOG PROC SHF A405	J03	19D903985P64
S1 C1-10	ANALOG CROSS CONNECT	J36	ANALOG DELAY SHF A200	P01	19D903985P18
S2 C1-10	ANALOG CROSS CONNECT	J37	ANALOG DELAY SHF A200	P02	19D903985P18
S3 C1-10	ANALOG CROSS CONNECT	J38	ANALOG DELAY SHF A200	P03	19D903985P18
S4 C1-10	ANALOG CROSS CONNECT	J39	ANALOG DELAY SHF A200	P04	19D903985P18
S5 C1-10	ANALOG CROSS CONNECT	J40	ANALOG DELAY SHF A200	P05	19D903985P18
S 1-2-3	ANALOG CROSS CONNECT	J41	ANALOG DELAY SHF A200	P11	19D903985P18
S 4-4	ANALOG CROSS CONNECT	J42	ANALOG DELAY SHF A200	P12	19D903985P18
S1 C1-10	ANALOG DELAY SHF A200	P06	JACKFIELD A600	P02	19D903985P24
S2 C1-10	ANALOG DELAY SHF A200	P07	JACKFIELD A601	P01	19D903985P24
S3 C1-10	ANALOG DELAY SHF A200	P08	JACKFIELD A601	P02	19D903985P24
S4 C1-10	ANALOG DELAY SHF A200	P09	JACKFIELD A602	P01	19D903985P24
S5 C1-10	ANALOG DELAY SHF A200	P10	JACKFIELD A602	P02	19D903985P24
S6 C1-10	ANALOG CROSS CONNECT	J43	ANALOG DELAY SHF A201	P01	19D903985P18
S7 C1-10	ANALOG CROSS CONNECT	J44	ANALOG DELAY SHF A201	P02	19D903985P18
S8 C1-10	ANALOG CROSS CONNECT	J45	ANALOG DELAY SHF A201	P03	19D903985P18
S9 C1-10	ANALOG CROSS CONNECT	J46	ANALOG DELAY SHF A201	P04	19D903985P18
S10 C1-10	ANALOG CROSS CONNECT	J47	ANALOG DELAY SHF A201	P05	19D903985P18
S 6-7-8	ANALOG CROSS CONNECT	J48	ANALOG DELAY SHF A201	P11	19D903985P18
S 9-10	ANALOG CROSS CONNECT	J49	ANALOG DELAY SHF A201	P12	19D903985P18
S6 C1-10	ANALOG DELAY SHF A201	P06	JACKFIELD A604	P01	19D903985P24
S7 C1-10 A	NALOG DELAY SHF A201	P07	JACKFIELD A604	P02	19D903985P24
S8 C1-10	ANALOG DELAY SHF A201	P08	JACKFIELD A605	P01	19D903985P24
S9 C1-10 A	NALOG DELAY SHF A201	P09	JACKFIELD A605	P02	19D903985P24
S10 C1-10	ANALOG DELAY SHF A201	P10	JACKFIELD A606	P01	19D903985P24
C2	ANALOG PROC SHF A401	J02	ANALOG PROC SHF A402	J01	19D903985P12
C3	ANALOG PROC SHF A402	J02	ANALOG PROC SHF A403	J01	19D903985P12
C4	ANALOG PROC SHF A403	J02	ANALOG PROC SHF A404	J01	19D903985P12
C5	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

10 SITE 10 CHANNEL CONFIGURATION
Rack 2 (19D904160P42) Connection List (Part 5)
Rack 3 Connection List (Part 6)

(334A4225, Sh. 11, Rev. 6)
(334A4225, Sh. 12, Rev. 6)

A405	ANALOG PROC SHELF A405	J02	CONNECTOR PANEL #01	P06	19D903985P22
ACC	ANALOG CROSS CONNECT	33	CONNECTOR PANEL #01	P07	19D903985P24
ACC A	NALOG CROSS CONNECT	J34	CONNECTOR PANEL #01	P08	19D903985P24

ANALOG DELAY SHELF 19D902531G4

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	ANALOG DELAY SHF A201	P13	PANEL #3 B1	J03	19D903985P14
150 DATA	ANALOG DELAY SHF A201	P14	PANEL #3 B1	J04	19D903985P14
150 DATA	PANEL #3 B1	J05	JACKFIELD A603	P01	19D903985P52

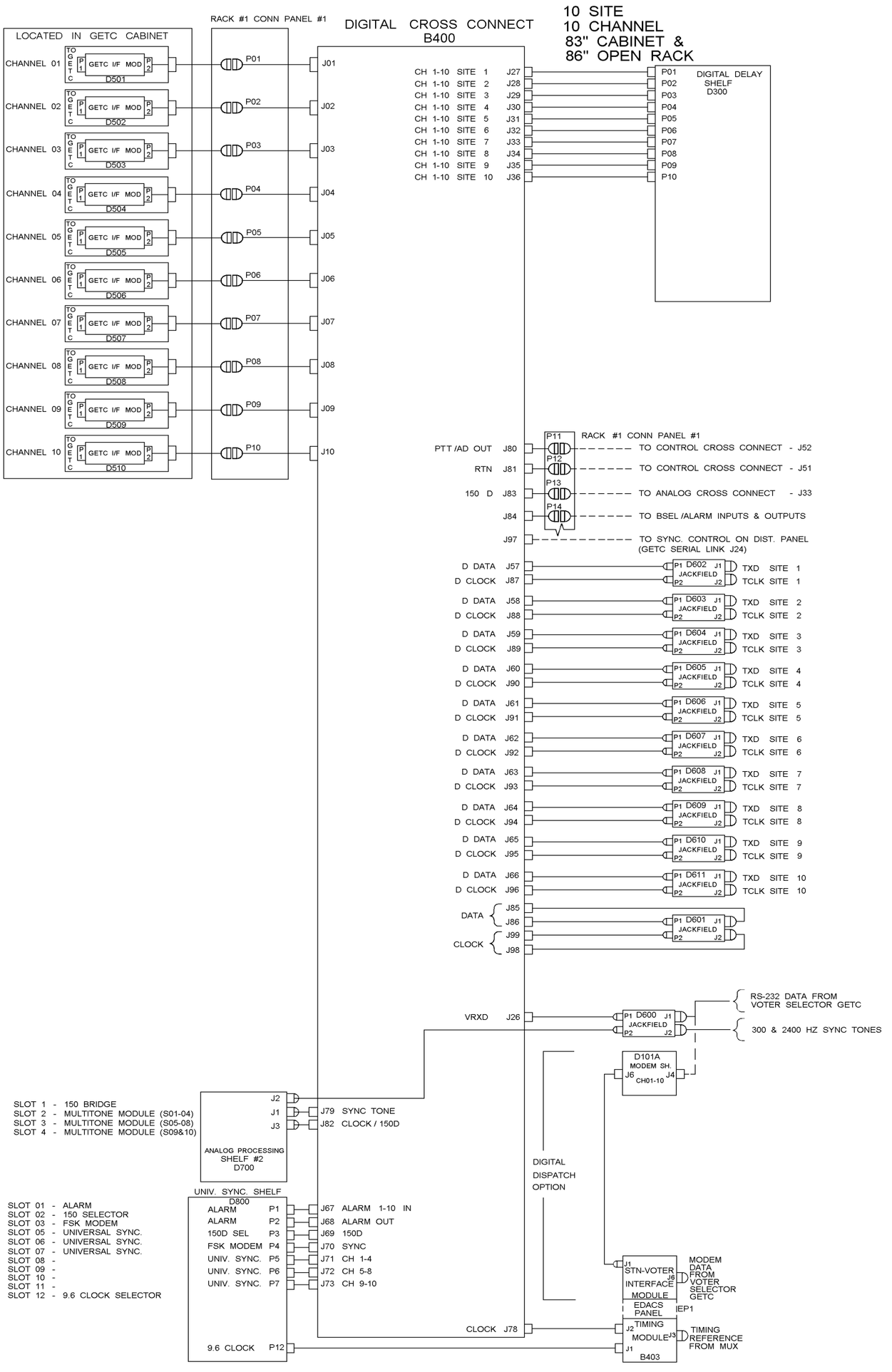
ANALOG DELAY SHELF 19D902531G7

150 DATA	ANALOG DELAY SHF A200	P13	JACKFIELD A603	P01	19D903985P22
150 DATA	ANALOG DELAY SHF A200	P14	ANALOG DELAY SHF A201	P13	19D903985P12

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		19D903880P776
PP1	POWER PANEL #01 P04	ANALOG PROC SHF A404 TB1		19D903880P776
PP1	POWER PANEL #01 P05	ANALOG PROC SHF A405 TB1		19D903880P777

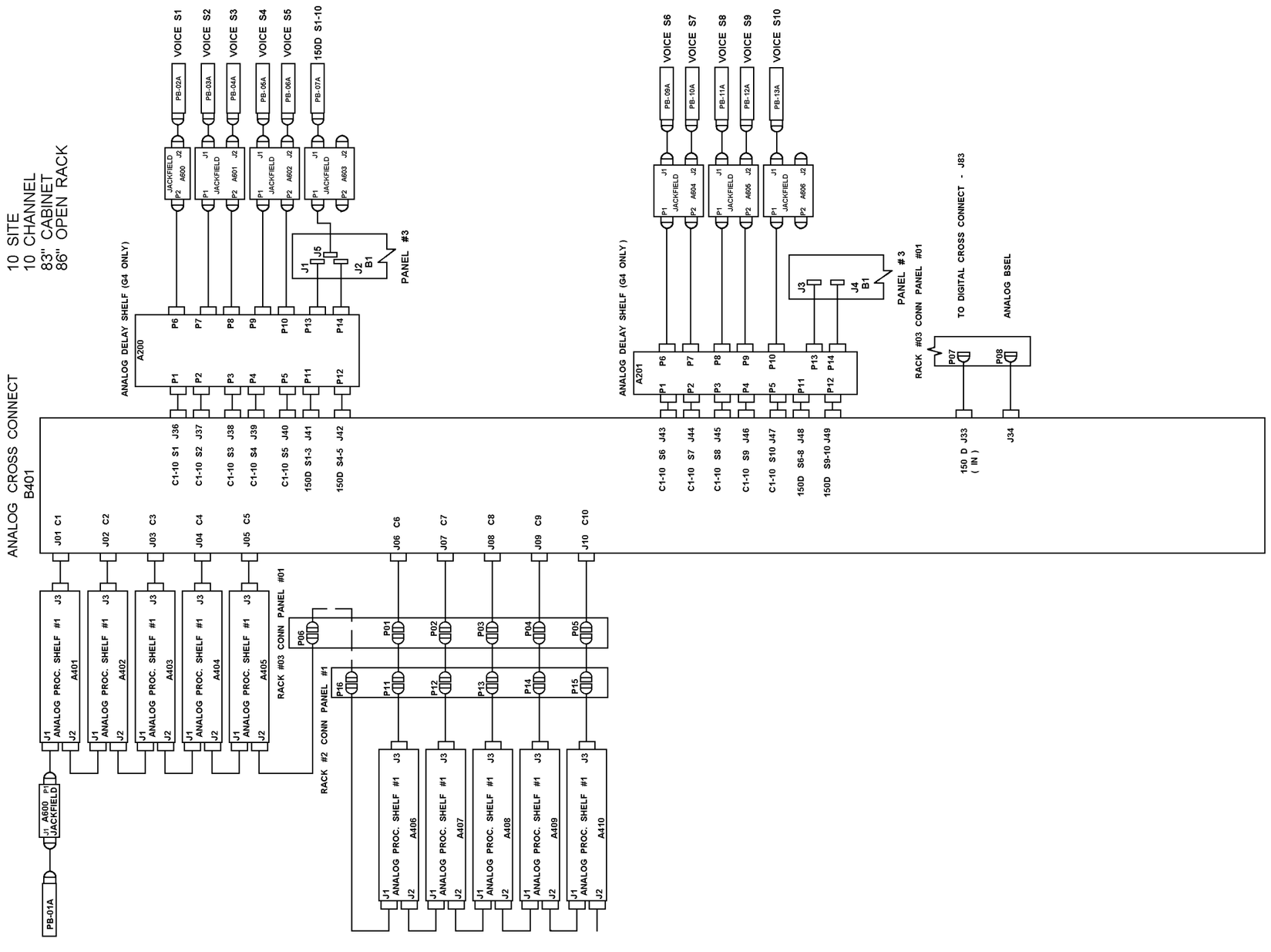
10 SITE 10 CHANNEL CONFIGURATION
Rack 3 Connection List (Part 6)

(334A4225, Sh. 13, Rev. 6)



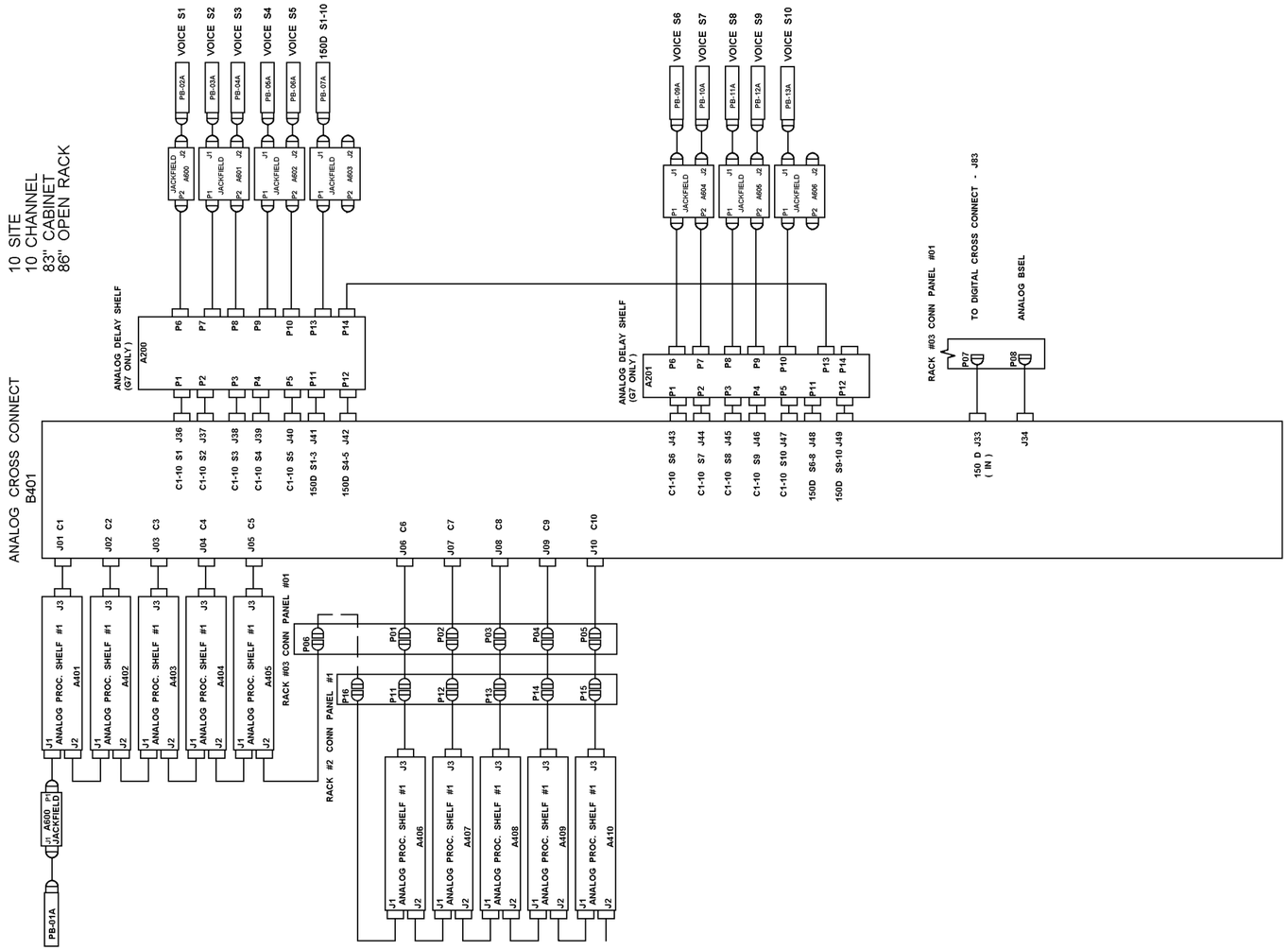
10 SITE 10 CHANNEL CONFIGURATION
Digital Cross Connect Wiring Diagram

(18D5686, Sh. 3, Rev. 1)



10 SITE 10 CHANNEL CONFIGURATION
Analog Cross Connect Wiring Diagram

(19C852276, Sh. 1, Rev. 3)



10 SITE 10 CHANNEL CONFIGURATION
Analog Cross Connect Wiring Diagram

(19C852276, Sh. 2, Rev. 0)