

“PULSE* 120” – SG-1A

ELECTRONIC PRIVATE AUTOMATIC BRANCH EXCHANGE

CABLE CONNECTIONS AT THE CROSS-CONNECTING TERMINAL

CONTENTS	PAGE	REASON FOR REISSUE
1. GENERAL	1	1.05 This section is reissued to add information on the Hotel/Motel service option.
REASON FOR REISSUE	1	
2. CABLING	1	2. CABLING
3. CROSS-CONNECTING TERMINAL LAYOUT	2	2.01 The standard connector cables required from the cross-connecting terminal to the cabinet and console are listed in Table A. Connector cables are available in 25-, 50-, 75-, and 100-paired conductors, which are divided in groups of 25 pairs, and each group is terminated on a 50-pin connector. Any connector cable combination can be used if the connectors of each cable are mated to adjacent plugs.
4. CABLE PAIR DESIGNATIONS	2	2.02 The connector cables from the console and cabinet may be installed in conduit or exposed, whatever the local installation practice.
1. GENERAL		2.03 The 6-AWG ground wire connects the cabinet ground to an approved local ground and supplies a system ground connection at the cross-connecting terminal.
1.01 This section describes the method for terminating and designating cables and pairs at the cross-connecting terminal when installing the PULSE 120 Electronic Private Automatic Branch Exchange (EPABX).		2.04 The cable connections from the cross-connecting terminal to miscellaneous equipment (paging, recorded dictation, dial long lines, repeater, message registration and traffic measurement equipment) are given in Section 553-5011-205.
1.02 A total of 375 pairs (400 pairs for Hotel/Motel service) and a single 6-AWG ground wire, or equivalent, are required to extend all the system features from the cabinet to the cross-connecting terminal.		
1.03 A total of 150 pairs (75 pairs without busy lamp leads) are required to extend the attendant console leads to the cross-connecting terminal.		
1.04 The length of cable between the attendant console and the EPABX cabinet must not exceed 300 feet.		

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SECTION 553-5011-203

2.05 The console may be connected directly into the cabinet with 10-foot A25B double-end connector cables.

3. CROSS-CONNECTING TERMINAL LAYOUT

3.01 NE-66QF-50B1 connecting blocks or equivalent mounted on QBP2A brackets are recommended for the termination of cables at the cross-connecting terminal.

3.02 The terminal arrangement for the connector cables from the cabinet is shown in Fig. 1 and 2.

3.03 Connector cable pairs must be terminated on the connecting blocks in the sequence established in Tables B through L.

3.04 The attendant console connector cable (A75A) and busy lamp field connector cable (A75A) terminate on the same connecting block terminals assigned to the connector cables for the console (P010, P020, P030) and busy lamp field (P040, P050, P060) from the cabinet.

3.05 In Tables I and J, reference is made to "System No." and "Dialed No." The system numbers are the same as the station lines

in normal PULSE 120 EPABX systems and consist of lines 210 through 289 and 310 through 349. Dialed numbers refer to the numbers of stations installed for hotel/motel service. These numbers will not be the same for all installations. See Section 553-5011-207 for tables correlating system numbers to dialed numbers.

4. CABLE PAIR DESIGNATIONS

4.01 The EPABX cross-connection field is designated by white spools or fanning columns which are fastened to P0897603 rails mounted on QB-type backboards or wooden boards.

4.02 The cable pairs from the cabinet terminating on connecting blocks at the cross-connecting terminal should be designated as determined from Tables B through L using designation strips.

4.03 The designation of power leads from EPABX power shelves given in Table B through L identifies the supply voltage and fuse number associated with the lead, e.g., 86F41 indicates 86 V supply protected by fuse number 41.

TABLE A
LIST OF CONNECTOR CABLES
(EXCEPT FOR HOTEL/MOTEL SERVICE)

Note: Connector cables can be acquired in lengths of 25 to 200 feet in increments of 25 feet.

FROM CROSS-CONNECTING TERMINAL TO	CONTENT OF CONNECTOR CABLE	RECOMMENDED CONNECTOR CABLE (SINGLE END)	OPTIONAL CONNECTOR CABLES	DESIGNATION STRIP CODE
Cabinet	Console Control Leads (P010, P020, and P030)	A75A	1-A50B, 1-A25B or 3-A25B	P0536469
Cabinet	Busy Lamp Field (P040, P050, and P060)	A75A	1-A50B, 1-A25B or 3-A25B	
Cabinet	Station Lines (2)10 to (2)49 Trunks 1 to 15 (P070, P080, and P090)	A75A	1-A50B, 1-A25B or 3-A25B	
Cabinet	Station Lines (2)50 to (2)89 (P100, P110)	A50B	1-A100A or 4-A25B	
Cabinet	Station Lines 3 10 to 3 49 (P111, P112)	A50B		
Cabinet	Trunks 16 to 30 (P120)	A25B	A50B	
Cabinet	Miscellaneous Supply (P130)	A25B		
Console (QCN100*)	Console Control Leads	A75A	1-A50B, 1-A25B or 3-A25B	
Console (QCN102*)	Console Control Leads and Busy Lamp Leads	A75A A75A	1-A100A, 1-A50B or 3-A50B or 6-A25B	
<p><i>Note:</i> The console may be connected directly to the cabinet with 10-foot A25B double-ended connector cables.</p>				

TABLE A (cont)
LIST OF CONNECTOR CABLES
(HOTEL/MOTEL SERVICE ONLY)

Note: Connector cables can be acquired in lengths of 25 to 200 feet in increments of 25 feet.

FROM CROSS-CONNECTING TERMINAL TO	CONTENT OF CONNECTOR CABLE	RECOMMENDED CONNECTOR CABLE (SINGLE END)	OPTIONAL CONNECTOR CABLES	DESIGNATION STRIP CODE
Cabinet	Console Control Leads (P010, P020, and P030)	A75A	1-A50B, 1-A25B or 3-A25B	P0536469 and P0560632
Cabinet	Message Register Leads (P040, P050, and P060)	A75A	1-A50B, 1-A25B or 3-A25B	
Cabinet	System Nos. 210 to 249 Trunks 1 to 15 (P070, P080, and P090)	A75A	1-A50B, 1-A25B or 3-A25B	
Cabinet	System Nos. 250 to 289 (P100, P110)	A50B	1-A100A or 4-A25B	
Cabinet	System Nos. 310 to 349 (P111, P112)	A50B		
Cabinet	Trunks 16 to 30 (P120)	A25B	A50B	
Cabinet	Miscellaneous Supply (P130)	A25B	1-A50B, 1-A25B or 3-A25B	
Cabinet	Trunk 3rd Wire Interface Leads (P131)	A25B		
Console (QCN100*)	Console Control Leads	A75A		

Note: The console may be connected directly to the cabinet with 10-foot A25B double-ended connector cables.

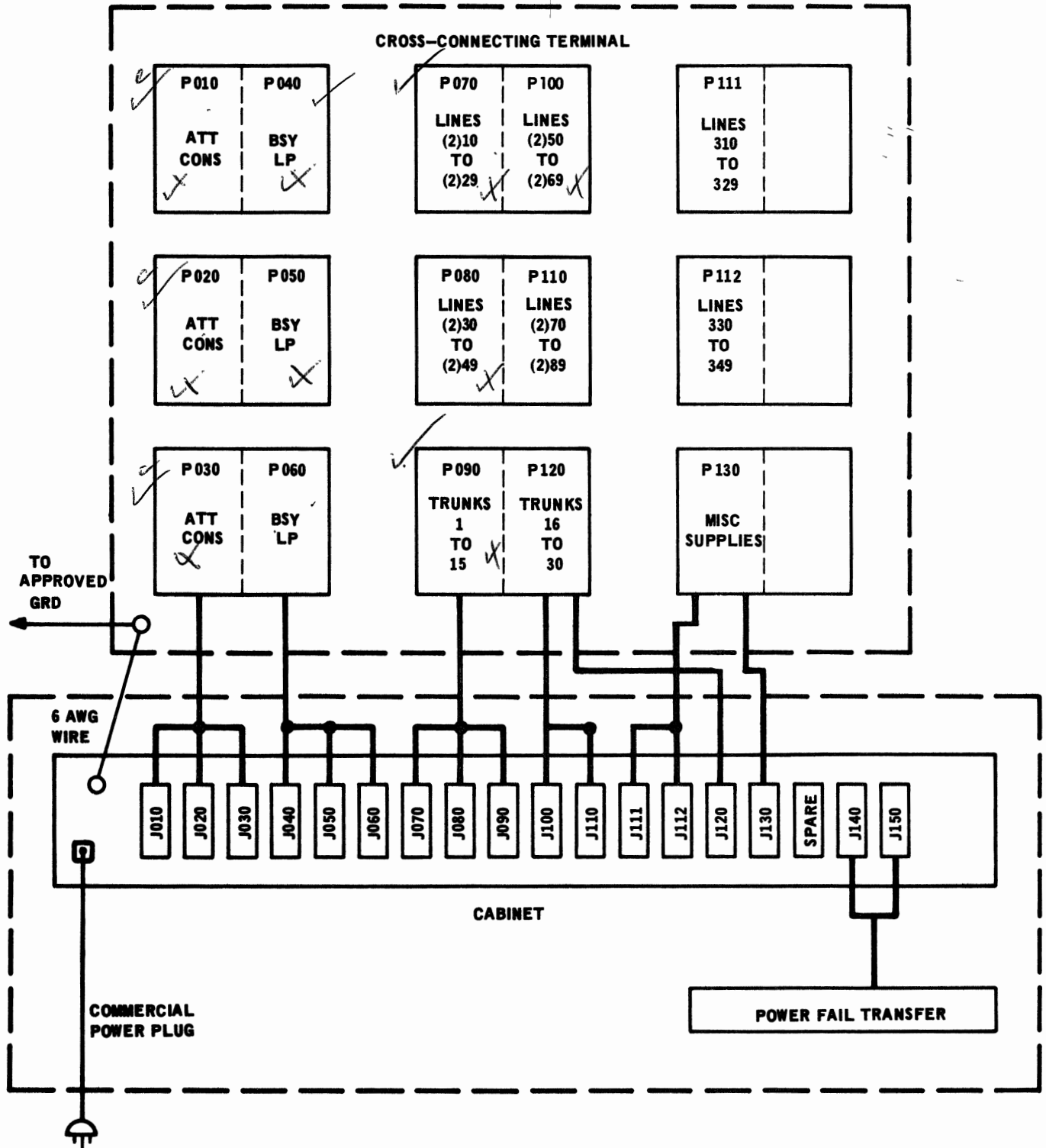
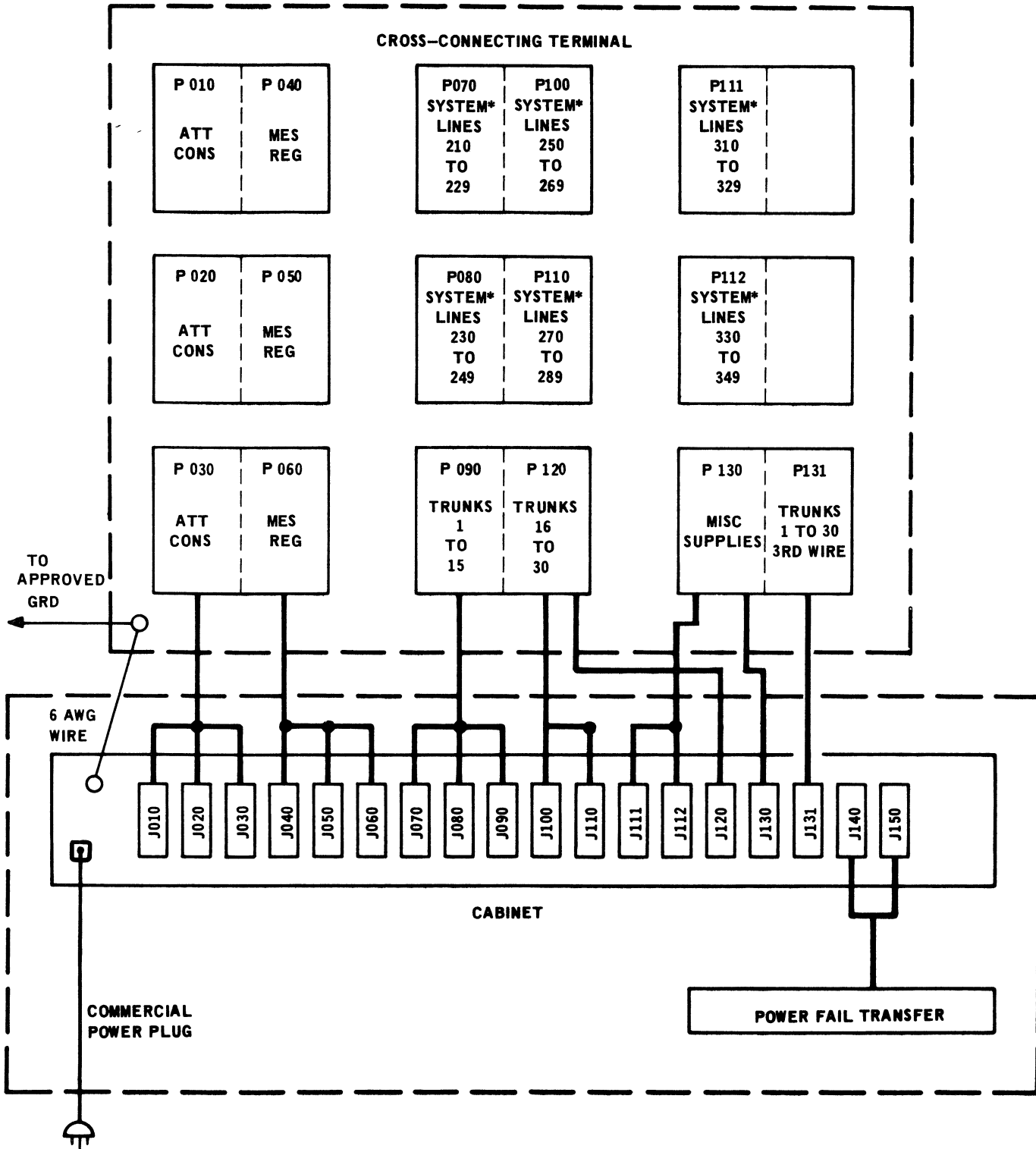


Fig. 1 – Terminal Arrangement Showing Cabinet Connectors
 (Refer to Table A for Cable Identification)
 (Does not Apply for Hotel/Motel Service)



* FOR ASSOCIATED DIALED NUMBERS, REFER TO TABLES IN SECTION 553-5011-207.

Fig. 2 – Terminal Arrangement Showing Cabinet Connectors (Refer to Table A for Cable Identification) (Hotel/Motel Service Only)

TABLE B
TERMINATING SEQUENCE OF
P010 AT THE CROSS-CONNECTING TERMINAL

CONTROL SHELF – ATTENDANT CONSOLE

	PAIR	PIN	PAIR COLOR	LEAD DESIGNATION	FUNCTION
BLUE BINDER OF A75A FROM CONNECTOR P010 TERMINATED ON CONNECTING BLOCK P010	1T	26	W-BL	A – TIP	} Transmission Lead for Console
	R	1	BL-W	A – RING	
	2T	27	W-O	GRD – CC	} Console Jack Lead
	R	2	O-W	JKB	
	3T	28	W-G	CONF	} Conference Lead
	R	3	G-W	HOLD	
	4T	29	W-BR	DCKP – 2	} Hold Lead
	R	4	BR-W	DCKP – 1	
	5T	30	W-S	DCKP – 4	} Dial Leads
	R	5	S-W	DCKP – 3	
	6T	31	R-BL	DCKP – 5	} DCKP – C
	R	6	BL-R	DCKP – C	
	7T	32	R-O	DCKP – 7	} DCKP – 6
	R	7	O-R	DCKP – 6	
	8T	33	R-G	SP	} Spare
	R	8	G-R	JKE	
	9T	34	R-BR	SPL-3	} Console Jack Lead
	R	9	BR-R	GNDK	
	10T	35	R-S	GBL – 2	} Spare Lamp No. 3
	R	10	S-R	GBL – 1	
	11T	36	BK-BL	GBL – 4	} Group Busy Lamp
	R	11	BL-BK	GBL – 3	
	12T	37	BK-O	GBL – 6	} GBL – 5
	R	12	O-BK	GBL – 5	
	13T	38	BK-G	GBL – 8	} GBL – 7
R	13	G-BK	GBL – 7		
14T	39	BK-BR	GBL – 10	} GBL – 9	
R	14	BR-BK	GBL – 9		
15T	40	BK-S	SRC4 – L	} Source Lamp No. 4	
R	15	S-BK	SRC3 – L		
16T	41	Y-BL	LPK4 – L	} Loop Key Lamp No. 4	
R	16	BL-Y	LPK3 – L		
17T	42	Y-O	FA	} Fuse Alarm Lamp	
R	17	O-Y	PS		
18T	43	Y-G	+ 12 V	} Permanent Signal Lamp	
R	18	G-Y	NITE L		
19T	44	Y-BR	+ 12 V	} Console Lamp Supply	
R	19	BR-Y	+ 12 V		
20T	45	Y-S	+ 12 V	} + 12 V	
R	20	S-Y	+ 12 V		
21T	46	V-BL		} Spare	
R	21	BL-V			
22T	47	V-O		} O-V	
R	22	O-V			
23T	48	V-G		} G-V	
R	23	G-V			
24T	49	V-BR		} BR-V	
R	24	BR-V			
25T	50	V-S		} S-V	
R	25	S-V			

TABLE B (Cont)
TERMINATING SEQUENCE OF
P020 AT THE CROSS-CONNECTING TERMINAL

CONTROL SHELF – ATTENDANT CONSOLE

	PAIR	PIN	PAIR COLOR	LEAD DESIGNATION	FUNCTION
ORANGE BINDER OF A75A FROM CONNECTOR P020 TERMINATED ON CONNECTING BLOCK P020	1T	26	W-BL	+24F15	} Tone Generator Supply
	R	1	BL-W	GND	
	2T	27	W-O	RLS – DEST	} Release Destination Lead Release Source Lead
	R	2	O-W	RLS – SCR	
	3T	28	W-G	DCKP – G	} Octothorp Button Leads
	R	3	GR-W	DCKP – S	
	4T	29	W-BR	LPK 2	} Loop Key No. 2 Loop Key No. 1
	R	4	BR-W	LPK 1	
	5T	30	W-S	LPK 4	} Loop Key No. 4 Loop Key No. 3
	R	5	S-W	LPK 3	
	6T	31	R-BL	X	} Dial Contact Lead Loop Key No. 5
	R	6	BL-R	LPK 5	
	7T	32	R-O	JKM	} Console Jack Lead Dial Contact Lead
	R	7	O-R	R	
	8T	33	R-G	GND – SP	} Ground Lead Spare Power Fail Switch
	R	8	G-R	PF	
	9T	34	R-BR	SP1 – L	} Spare Lamp Ground for Bottom Row Button
	R	9	BR-R	GND K – 1	
	10T	35	R-S	ICL – 2	} Incoming Call Indicator Lamps
	R	10	S-R	ICL – 1	
	11T	36	BK-BL	ICL – 4	
	R	11	BL-BK	ICL – 3	
	12T	37	BK-O	ICL – 6	
	R	12	O-BK	ICL – 5	
	13T	38	BK-G	ICL – 8	
	R	13	G-BK	ICL – 7	
	14T	39	BK-BR	ICL – 10	
	R	14	BR-BK	ICL – 9	
	15T	40	BK-S	DEST 4 – L	} Destination Lamp No. 4 Destination Lamp No. 3
	R	15	S-BK	DEST 3 – L	
16T	41	Y-BL	SRC5 – L	} Source Lamp No. 5 Loop Key Lamp No. 5	
R	16	BL-Y	LPK 5 – L		
17T	42	Y-O	PF – L	} Power Fail Lamp Destination Lamp No. 5	
R	17	O-Y	DEST 5 – L		
18T	43	Y-G	+ 12 V	} Console Lamp Supply Call Waiting Lamp	
R	18	G-Y	CW		
19T	44	Y-BR	+ 12 V	} Console Lamp Supply	
R	19	BR-Y	+ 12 V		
20T	45	Y-S	+ 12 V		
R	20	S-Y	+ 12 V	} Spare	
21T	46	V-BL			
R	21	BL-V			
22T	47	V-O			
R	22	O-V			
23T	48	V-G		} Spare	
R	23	G-V			
24T	49	V-BR			
R	24	BR-V		} Spare	
25T	50	V-S			
R	25	S-V			

TABLE B (Cont)
TERMINATING SEQUENCE OF
P030 AT THE CROSS-CONNECTING TERMINAL
CONTROL SHELF – ATTENDANT CONSOLE

	PAIR	PIN	PAIR COLOR	LEAD DESIGNATION	FUNCTION
GREEN BINDER OF A75A FROM CONNECTOR P030 TERMINATED ON CONNECTING BLOCK P030	1T	26	W-BL	SPL- 4	Spare Lamp No. 4
	R	1	BL-W	SPL- 5	Spare Lamp No. 5
	2T	27	W-O	EXCL – DEST	Exclude Destination Button
	R	2	O-W	EXCL – SCR	Exclude Source Button
	3T	28	W-G	NITE	Nite Connection Button
	R	3	G-W	BSY – VER	Busy Verification Button
	4T	29	W-BR	SIG – DEST	Signal Destination Button
	R	4	BR-W	SIG – SRC	Signal Source Button
	5T	30	W-S	PAGE	Paging Button
	R	5	S-W	RLS – S	Release Button
	6T	31	R-BL	MPF	Power Fail Activated
	R	6	BL-R	RS – PWR	Power Fail Restored
	7T	32	R-O	SP – 1	Spare
	R	7	O-R	BARGE – IN	Barge-In Button
	8T	33	R-G	GNDK – 2	Ground for Bottom Row Button
	R	8	G-R	SP – 2	Spare
	9T	34	R-BR	SPL – 2	Spare Lamp
	R	9	BR-R	GNDK – 2	Ground for Top Row Button
	10T	35	R-S	EXCL – DEST – L	Exclude Destination Lamp
	R	10	S-R	CONF – L	Conference Lamp
	11T	36	BK-BL	BSY – VER – L	Busy Verification Lamp
	R	11	BL-BK	EXCL – SRC – L	Exclude Source Lamp
	12T	37	BK-O	LPK2 – L	Loop Key Lamp No. 2
	R	12	O-BK	LPK1 – L	Loop Key Lamp No. 1
	13T	38	BK-G	SRCL – 2	Source Lamp No. 2
R	13	G-BK	SRCL – 1	Source Lamp No. 1	
14T	39	BK-BR	DEST L – 2	Destination Lamp No. 2	
R	14	BR-BK	DEST L – 1	Destination Lamp No. 1	
15T	40	BK-S	RLS – L	Release Lamp	
R	15	S-BK	PAGE – L	Paging Button Lamp	
16T	41	Y-BL	BARGE – IN – L	Barge-In Button Lamp	
R	16	BL-Y	SP – 5	Spare	
17T	42	Y-O	ET	Emergency Transfer Lamp	
R	17	O-Y	SDR	Sender Lamp	
18T	43	Y-G	+ 12 V	Console Lamp Supply	
R	18	G-Y	SPL- 6	Spare Lamp No. 6	
19T	44	Y-BR	+ 12 V	} Console Lamp Supply	
R	19	BR-Y	+ 12 V		
20T	45	Y-S	+ 12 V		
R	20	S-Y	+ 12 V	} Spare	
21T	46	V-BL			
R	21	BL-V			
22T	47	V-O			
R	22	O-V			
23T	48	V-G		} Spare	
R	23	G-V			
24T	49	V-BR			
R	24	BR-V			
25T	50	V-S			
R	25	S-V			

**TABLE C
TERMINATING SEQUENCE OF
P040 AT THE CROSS-CONNECTING TERMINAL
(EXCEPT FOR HOTEL/MOTEL SERVICE)**

OPTION SHELF – BUSY LAMP FIELD

	PAIR	PIN	PAIR COLOR	LEAD DESIGNATION	FUNCTION
BLUE BINDER OF A75A FROM CONNECTOR P040 TERMINATED ON CONNECTING BLOCK P040	1T	26	W-BL	L(2)10	<div style="border-left: 1px solid black; border-right: 1px solid black; border-bottom: 1px solid black; padding: 5px;"> <p>Busy Lamp Leads to Console Busy Lamp Field</p> <p>— Console Busy Lamp Supply</p> </div>
	R	1	BL-W	L(2)11	
	2T	27	W-O	L(2)12	
	R	2	O-W	L(2)13	
	3T	28	W-G	L(2)14	
	R	3	G-W	L(2)15	
	4T	29	W-BR	L(2)16	
	R	4	BR-W	L(2)17	
	5T	30	W-S	L(2)18	
	R	5	S-W	L(2)19	
	6T	31	R-BL	L(2)20	
	R	6	BL-R	L(2)21	
	7T	32	R-O	L(2)22	
	R	7	O-R	L(2)23	
	8T	33	R-G	L(2)24	
	R	8	G-R	L(2)25	
	9T	34	R-BR	L(2)26	
	R	9	BR-R	L(2)27	
	10T	35	R-S	L(2)28	
	R	10	S-R	L(2)29	
	11T	36	BK-BL	L(2)30	
	R	11	BL-BK	L(2)31	
	12T	37	BK-O	L(2)32	
	R	12	O-BK	L(2)33	
	13T	38	BK-G	L(2)34	
R	13	G-BK	L(2)35		
14T	39	BK-BR	L(2)36		
R	14	BR-BK	L(2)37		
15T	40	BK-S	L(2)38		
R	15	S-BK	L(2)39		
16T	41	Y-BL	L(2)40		
R	16	BL-Y	L(2)41		
17T	42	Y-O	L(2)42		
R	17	O-Y	L(2)43		
18T	43	Y-G	L(2)44		
R	18	G-Y	L(2)45		
19T	44	Y-BR	L(2)46		
R	19	BR-Y	L(2)47		
20T	45	Y-S	L(2)48		
R	20	S-Y	L(2)49		
21T	46	V-BL	+12 V		
R	21	BL-V	+12 V		
22T	47	V-O	+12 V		
R	22	O-V	+12 V		
23T	48	V-G	+12 V		
R	23	G-V	+12 V		
24T	49	V-BR	+12 V		
R	24	BR-V	+12 V		
25T	50	V-S	+12 V		
R	25	S-V	+12 V		

TABLE C (Cont)
TERMINATING SEQUENCE OF
P050 AT THE CROSS-CONNECTING TERMINAL
(EXCEPT FOR HOTEL/MOTEL SERVICE)

OPTION SHELF – BUSY LAMP FIELD

	PAIR	PIN	PAIR COLOR	LEAD DESIGNATION	FUNCTION
ORANGE BINDER OF A75A FROM CONNECTOR P050 TERMINATED ON CONNECTING BLOCK P050	1T	26	W-BL	L(2)50	} Busy Lamp Leads to Console Busy Lamp Field
	R	1	BL-W	L(2)51	
	2T	27	W-O	L(2)52	
	R	2	O-W	L(2)53	
	3T	28	W-G	L(2)54	
	R	3	G-W	L(2)55	
	4T	29	W-BR	L(2)56	
	R	4	BR-W	L(2)57	
	5T	30	W-S	L(2)58	
	R	5	S-W	L(2)59	
	6T	31	R-BL	L(2)60	
	R	6	BL-R	L(2)61	
	7T	32	R-O	L(2)62	
	R	7	O-R	L(2)63	
	8T	33	R-G	L(2)64	
	R	8	G-R	L(2)65	
	9T	34	R-BR	L(2)66	
	R	9	BR-R	L(2)67	
	10T	35	R-S	L(2)68	
	R	10	S-R	L(2)69	
	11T	36	BK-BL	L(2)70	
	R	11	BL-BK	L(2)71	
	12T	37	BK-O	L(2)72	
	R	12	O-BK	L(2)73	
	13T	38	BK-G	L(2)74	
	R	13	G-BK	L(2)75	
	14T	39	BK-BR	L(2)76	
	R	14	BR-BK	L(2)77	
	15T	40	BK-S	L(2)78	
	R	15	S-BK	L(2)79	
16T	41	Y-BL	L(2)80		
R	16	BL-Y	L(2)81		
17T	42	Y-O	L(2)82		
R	17	O-Y	L(2)83		
18T	43	Y-G	L(2)84		
R	18	G-Y	L(2)85		
19T	44	Y-BR	L(2)86		
R	19	BR-Y	L(2)87		
20T	45	Y-S	L(2)88		
R	20	S-Y	L(2)89		
21T	46	V-BL	+12 V	} Console Busy Lamp Supply	
R	21	BL-V	+12 V		
22T	47	V-O	+12 V		
R	22	O-V	+12 V		
23T	48	V-G	+12 V		
R	23	G-V	+12 V		
24T	49	V-BR	+12 V		
R	24	BR-V	+12 V		
25T	50	V-S	+12 V		
R	25	S-V	+12 V		

TABLE C (Cont)
TERMINATING SEQUENCE OF
P060 AT THE CROSS-CONNECTING TERMINAL
(EXCEPT FOR HOTEL/MOTEL SERVICE)
OPTION SHELF – BUSY LAMP FIELD

	PAIR	PIN	PAIR COLOR	LEAD DESIGNATION	FUNCTION
GREEN BINDER OF A75A FROM CONNECTOR P060 TERMINATED ON CONNECTING BLOCK P060	1T	26	W-BL	L310	}
	R	1	BL-W	L311	
	2T	27	W-O	L312	
	R	2	O-W	L313	
	3T	28	W-G	L314	
	R	3	G-W	L315	
	4T	29	W-BR	L316	
	R	4	BR-W	L317	
	5T	30	W-S	L318	
	R	5	S-W	L319	
	6T	31	R-BL	L320	
	R	6	BL-R	L321	
	7T	32	R-O	L322	
	R	7	O-R	L323	
	8T	33	R-G	L324	
	R	8	G-R	L325	
	9T	34	R-BR	L326	
	R	9	BR-R	L327	
	10T	35	R-S	L328	
	R	10	S-R	L329	
	11T	36	BK-BL	L330	} Busy Lamp Leads to Console Busy Lamp Field
	R	11	BL-BK	L331	
	12T	37	BK-O	L332	
	R	12	O-BK	L333	
	13T	38	BK-G	L334	
R	13	G-BK	L335		
14T	39	BK-BR	L336		
R	14	BR-BK	L337		
15T	40	BK-S	L338		
R	15	S-BK	L339		
16T	41	Y-BL	L340	} Console Busy Lamp Supply	
R	16	BL-Y	L341		
17T	42	Y-O	L342		
R	17	O-Y	L343		
18T	43	Y-G	L344		
R	18	G-Y	L345		
19T	44	Y-BR	L346		
R	19	BR-Y	L347		
20T	45	Y-S	L348		
R	20	S-Y	L349		
21T	46	V-BL	+12 V	} Console Busy Lamp Supply	
R	21	BL-V	+12 V		
22T	47	V-O	+12 V		
R	22	O-V	+12 V		
23T	48	V-G	+12 V		
R	23	G-V	+12 V		
24T	49	V-BR	+12 V		
R	24	BR-V	+12 V		
25T	50	V-S	+12 V	}	
R	25	S-V	+12 V		

TABLE D
TERMINATING SEQUENCE OF
P070 AT THE CROSS-CONNECTING TERMINAL
(EXCEPT FOR HOTEL/MOTEL SERVICE)

LINE SHELF NO. 1 – STATION LINES (2)10 TO (2)29

	PAIR	PIN	PAIR COLOR	LEAD DESIGNATION	FUNCTION
BLUE BINDER OF A75A FROM CONNECTOR P070 TERMINATED ON CONNECTING BLOCK P070	1T	26	W-BL	Station (2)10	}
	R	1	BL-W		
	2T	27	W-O	(2)11	
	R	2	O-W		
	3T	28	W-G	(2)12	
	R	3	G-W		
	4T	29	W-BR	(2)13	
	R	4	BR-W		
	5T	30	W-S	(2)14	
	R	5	S-W		
	6T	31	R-BL	(2)15	
	R	6	BL-R		
	7T	32	R-O	(2)16	
	R	7	O-R		
	8T	33	R-G	(2)17	
	R	8	G-R		
	9T	34	R-BR	(2)18	
	R	9	BR-R		
	10T	35	R-S	(2)19	
	R	10	S-R		
	11T	36	BK-BL	(2)20	-Station Line
	R	11	BL-BK		
	12T	37	BK-O	(2)21	
	R	12	O-BK		
	13T	38	BK-G	(2)22	
R	13	G-BK			
14T	39	BK-BR	(2)23		
R	14	BR-BK			
15T	40	BK-S	(2)24		
R	15	S-BK			
16T	41	Y-BL	(2)25	}	
R	16	BL-Y			
17T	42	Y-O	(2)26		
R	17	O-Y			
18T	43	Y-G	(2)27		
R	18	G-Y			
19T	44	Y-BR	(2)28		
R	19	BR-Y			
20T	45	Y-S	(2)29		
R	20	S-Y			
21T	46	V-BL	GS10	Ground start (GS) leads for stations 10 to 19 to complete CO calls when in Power Fail Transfer (PFT) mode.	
R	21	BL-V	GS11		
22T	47	V-O	GS12		
R	22	O-V	GS13		
23T	48	V-G	GS14		
R	23	G-V	GS15		
24T	49	V-BR	GS16		
R	24	BR-V	GS17		
25T	50	V-S	GS18		
R	25	S-V	GS19		

**TABLE D (Cont)
TERMINATING SEQUENCE OF
P080 AT THE CROSS-CONNECTING TERMINAL
(EXCEPT FOR HOTEL/MOTEL SERVICE)**

LINE SHELF NO. 1 – STATION LINES (2)30 TO (2)49

	PAIR	PIN	PAIR COLOR	LEAD DESIGNATION	FUNCTION
ORANGE BINDER OF A75A FROM CONNECTOR P080 TERMINATED ON CONNECTING BLOCK P080	1T	26	W-BL	Station (2)30	<div style="display: flex; align-items: center; justify-content: center;"> <div style="border-left: 1px solid black; border-right: 1px solid black; border-bottom: 1px solid black; width: 100%; height: 100%;"></div> <div style="margin-left: 5px;"> <p>Station Lines</p> </div> </div>
	R	1	BL-W		
	2T	27	W-O	(2)31	
	R	2	O-W		
	3T	28	W-G	(2)32	
	R	3	G-W		
	4T	29	W-BR	(2)33	
	R	4	BR-W		
	5T	30	W-S	(2)34	
	R	5	S-W		
	6T	31	R-BL	(2)35	
	R	6	BL-R		
	7T	32	R-O	(2)36	
	R	7	O-R		
	8T	33	R-G	(2)37	
	R	8	G-R		
	9T	34	R-BR	(2)38	
	R	9	BR-R		
	10T	35	R-S	(2)39	
	R	10	S-R		
	11T	36	BK-BL	(2)40	
	R	11	BL-BK		
	12T	37	BK-O	(2)41	
	R	12	O-BK		
	13T	38	BK-G	(2)42	
R	13	G-BK			
14T	39	BK-BR	(2)43		
R	14	BR-BK			
15T	40	BK-S	(2)44		
R	15	S-BK			
16T	41	Y-BL	(2)45		
R	16	BL-Y			
17T	42	Y-O	(2)46		
R	17	O-Y			
18T	43	Y-G	(2)47		
R	18	G-Y			
19T	44	Y-BR	(2)48		
R	19	BR-Y			
20T	45	Y-S	(2)49		
R	20	S-Y			
21T	46	V-BL	<div style="display: flex; align-items: center; justify-content: center;"> <div style="border-left: 1px solid black; border-right: 1px solid black; border-bottom: 1px solid black; width: 100%; height: 100%;"></div> <div style="margin-left: 5px;"> <p>Spare Leads</p> </div> </div>		
R	21	BL-V			
22T	47	V-O			
R	22	O-V			
23T	48	V-G			
R	23	G-V			
24T	49	V-BR			
R	24	BR-V			
25T	50	V-S			
R	25	S-V			

TABLE D (Cont)
TERMINATING SEQUENCE OF
P090 AT THE CROSS-CONNECTING TERMINAL
(EXCEPT FOR HOTEL/MOTEL SERVICE)
TRUNK SHELF NO. 1 – TRUNKS 1 TO 15

	PAIR	PIN	PAIR COLOR	LEAD DESIGNATION	FUNCTION
GREEN BINDER OF A75A FROM CONNECTOR P090 TERMINATED ON CONNECTING BLOCK P090	1T	26	W-BL	Trunk 1	CO or DID
	R	1	BL-W		
	2T	27	W-O	2	
	R	2	O-W		
	3T	28	W-G	3	
	R	3	G-W		
	4T	29	W-BR	4	
	R	4	BR-W		
	5T	30	W-S	5	
	R	5	S-W		
	6T	31	R-BL	6	Miscellaneous Trunk
	R	6	BL-R		
	7T	32	R-O	7	
	R	7	O-R		
	8T	33	R-G	8	
	R	8	G-R		
	9T	34	R-BR	9	
	R	9	BR-R		
	10T	35	R-S	10	
	R	10	S-R		
	11T	36	BK-BL	11	PFT Alarm at CO through loop circuit PFT Alarm at CO through battery circuit.
	R	11	BL-BK		
	12T	37	BK-O	12	
	R	12	O-BK		
	13T	38	BK-G	13	
R	13	G-BK			
14T	39	BK-BR	14		
R	14	BR-BK			
15T	40	BK-S	15		
R	15	S-BK			
16T	41	Y-BL	T-L	Miscellaneous and Paging Trunk Signaling Leads. One pair can be used to connect Music-On-Hold trunks. (QPJ181-Type circuit pack)	
R	16	BL-Y	R-L		
17T	42	Y-O	T-GRD		
R	17	O-Y	R-BAT		
18T	43	Y-G	B1/E } 11		
R	18	G-Y	A1/M }		
19T	44	Y-BR	B1/E } 12		
R	19	BR-Y	A1/M }		
20T	45	Y-S	B1/E } 13		
R	20	S-Y	A1/M }		
21T	46	V-BL	B1/E } 14		
R	21	BL-V	A1/M }		
22T	47	V-O	B1/E } 15		
R	22	O-V	A1/M }		
23T	48	V-G	S-12	S Lead for Dict. Trk 12	
R	23	G-V	S-13		S Lead for Dict. Trk 13
24T	49	V-BR	Spare	To External Ringing Circuit	
R	24	BR-V	Spare		
25T	50	V-S	TAFAS-G <i>mtw</i>		
R	25	S-V	TAFAS-R <i>mtw</i>		

TABLE E
TERMINATING SEQUENCE OF
P100 AT THE CROSS-CONNECTING TERMINAL
(EXCEPT FOR HOTEL/MOTEL SERVICE)
LINE SHELF NO. 2 – STATION LINES (2)50 TO (2)69

	PAIR	PIN	PAIR COLOR	LEAD DESIGNATION	FUNCTION
BLUE BINDER OF A50 FROM CONNECTOR P100 TERMINATED ON CONNECTING BLOCK P100	1T	26	W-BL	Station (2)50	Station Line
	R	1	BL-W		
	2T	27	W-O	(2)51	
	R	2	O-W		
	3T	28	W-G	(2)52	
	R	3	G-W		
	4T	29	W-BR	(2)53	
	R	4	BR-W		
	5T	30	W-S	(2)54	
	R	5	S-W		
	6T	31	R-BL	(2)55	
	R	6	BL-R		
	7T	32	R-O	(2)56	
	R	7	O-R		
	8T	33	R-G	(2)57	
	R	8	G-R		
	9T	34	R-BR	(2)58	
	z R	9	BR-R		
	10T	35	R-S	(2)59	
	R	10	S-R		
	11T	36	BK-BL	(2)60	
	R	11	BL-BK		
	12T	37	BK-O	(2)61	
	R	12	O-BK		
	13T	38	BK-G	(2)62	
	R	13	G-BK		
	14T	39	BK-BR	(2)63	
	R	14	BR-BK		
	15T	40	BK-S	(2)64	
	R	15	S-BK		
16T	41	Y-BL	(2)65		
R	16	BL-Y			
17T	42	Y-O	(2)66		
R	17	O-Y			
18T	43	Y-G	(2)67		
R	18	G-Y			
19T	44	Y-BR	(2)68		
R	19	BR-Y			
20T	45	Y-S	(2)69	Spares	
R	20	S-Y			
21T	46	V-BL			
R	21	BL-V			
22T	47	V-O			
R	22	O-V			
23T	48	V-G			
R	23	G-V			
24T	49	V-BR			
R	24	BR-V			
25T	50	V-S			
R	25	S-V			

TABLE E (Cont)
TERMINATING SEQUENCE OF
P110 AT THE CROSS-CONNECTING TERMINAL
(EXCEPT FOR HOTEL/MOTEL SERVICE)

LINE SHELF NO. 2 – STATION LINES (2)70 TO (2)89

	PAIR	PIN	PAIR COLOR	LEAD DESIGNATION	FUNCTION
ORANGE BINDER OF A50 FROM CONNECTOR P110 TERMINATED ON CONNECTING BLOCK P110	1T	26	W-BL	Station (2)70	Station Line
	R	1	BL-W		
	2T	27	W-O	(2)71	
	R	2	O-W		
	3T	28	W-G	(2)72	
	R	3	G-W		
	4T	29	W-BR	(2)73	
	R	4	BR-W		
	5T	30	W-S	(2)74	
	R	5	S-W		
	6T	31	R-BL	(2)75	
	R	6	BL-R		
	7T	32	R-O	(2)76	
	R	7	O-R		
	8T	33	R-G	(2)77	
	R	8	G-R		
	9T	34	R-BR	(2)78	
	R	9	BR-R		
	10T	35	R-S	(2)79	
	R	10	S-R		
	11T	36	BK-BL	(2)80	
	R	11	BL-BK		
	12T	37	BK-O	(2)81	
	R	12	O-BK		
	13T	38	BK-G	(2)82	
	R	13	G-BK		
	14T	39	BK-BR	(2)83	
	R	14	BR-BK		
	15T	40	BK-S	(2)84	
	R	15	S-BK		
	16T	41	Y-BL	(2)85	
	R	16	BL-Y		
	17T	42	Y-O	(2)86	
	R	17	O-Y		
	18T	43	Y-G	(2)87	
	R	18	G-Y		
	19T	44	Y-BR	(2)88	
	R	19	BR-Y		
	20T	45	Y-S	(2)89	
	R	20	S-Y		
	21T	46	V-BL		
	R	21	BL-V		
	22T	47	V-O		
	R	22	O-V		
	23T	48	V-G		
	R	23	G-V		
	24T	49	V-BR		
	R	24	BR-V		
	25T	50	V-S		
	R	25	S-V		
					Spare

TABLE F
TERMINATING SEQUENCE OF
P111 AT THE CROSS-CONNECTING TERMINAL
(EXCEPT FOR HOTEL/MOTEL SERVICE)

LINE SHELF NO. 3 – STATION LINES 310 TO 329

	PAIR	PIN	PAIR COLOR	LEAD DESIGNATION	FUNCTION
BLUE BINDER OF A50 FROM CONNECTOR P111 TERMINATED ON CONNECTING BLOCK P111	1T	26	W-BL	Station 310	}
	R	1	BL-W		
	2T	27	W-O	311	
	R	2	O-W		
	3T	28	W-G	312	
	R	3	G-W		
	4T	29	W-BR	313	
	R	4	BR-W		
	5T	30	W-S	314	
	R	5	S-W		
	6T	31	R-BL	315	
	R	6	BL-R		
	7T	32	R-O	316	
	R	7	O-R		
	8T	33	R-G	317	
	R	8	G-R		
	9T	34	R-BR	318	
	R	9	BR-R		
	10T	35	R-S	319	
	R	10	S-R		
	11T	36	BK-BL	320	- Station Line
	R	11	BL-BK		
	12T	37	BK-O	321	
	R	12	O-BK		
	13T	38	BK-G	322	
R	13	G-BK			
14T	39	BK-BR	323		
R	14	BR-BK			
15T	40	BK-S	324		
R	15	S-BK			
16T	41	Y-BL	325		
R	16	BL-Y			
17T	42	Y-O	326		
R	17	O-Y			
18T	43	Y-G	327		
R	18	G-Y			
19T	44	Y-BR	328		
R	19	BR-Y			
20T	45	Y-S	329	} Spare	
R	20	S-Y			
21T	46	V-BL			
R	21	BL-V			
22T	47	V-O			
R	22	O-V			
23T	48	V-G			
R	23	G-V			
24T	49	V-BR			
R	24	BR-V			
25T	50	V-S			
R	25	S-V			

TABLE F (Cont)
TERMINATING SEQUENCE OF
P112 AT THE CROSS-CONNECTING TERMINAL
(EXCEPT FOR HOTEL/MOTEL SERVICE)

LINE SHELF NO. 3 – STATION LINES 330 TO 349

	PAIR	PIN	PAIR COLOR	LEAD DESIGNATION	FUNCTION
ORANGE BINDER OF A50 FROM CONNECTOR P112 TERMINATED ON CONNECTING BLOCK P112	1T	26	W-BL	Station 330	<div style="display: flex; align-items: center;"> <div style="border-left: 1px solid black; border-right: 1px solid black; border-bottom: 1px solid black; width: 100%; height: 100%;"></div> <div style="margin-left: 10px;"> <p>Station Line</p> <p>Spare</p> </div> </div>
	R	1	BL-W		
	2T	27	W-O	331	
	R	2	O-W		
	3T	28	W-G	332	
	R	3	G-W		
	4T	29	W-BR	333	
	R	4	BR-W		
	5T	30	W-S	334	
	R	5	S-W		
	6T	31	R-BL	335	
	R	6	BL-R		
	7T	32	R-O	336	
	R	7	O-R		
	8T	33	R-G	337	
	R	8	G-R		
	9T	34	R-BR	338	
	R	9	BR-R		
	10T	35	R-S	339	
	R	10	S-R		
	11T	36	BK-BL	340	
	R	11	BL-BK		
	12T	37	BK-O	341	
	R	12	O-BK		
	13T	38	BK-G	342	
R	13	G-BK			
14T	39	BK-BR	343		
R	14	BR-BK			
15T	40	BK-S	344		
R	15	S-BK			
16T	41	Y-BL	345		
R	16	BL-Y			
17T	42	Y-O	346		
R	17	O-Y			
18T	43	Y-G	347		
R	18	G-Y			
19T	44	Y-BR	348		
R	19	BR-Y			
20T	45	Y-S	349		
R	20	S-Y			
21T	46	V-BL			
R	21	BL-V			
22T	47	V-O			
R	22	O-V			
23T	48	V-G			
R	23	G-V			
24T	49	V-BR			
R	24	BR-V			
25T	50	V-S			
R	25	S-V			

**TABLE G
TERMINATING SEQUENCE OF
P120 AT THE CROSS-CONNECTING TERMINAL**

TRUNK SHELF NO. 2 – TRUNKS 16 TO 30

PAIR	PIN	PAIR COLOR	LEAD DESIGNATION	FUNCTION		
CONNECTOR CABLE FROM CONNECTOR P120 TERMINATED ON CONNECTING BLOCK P120	1T	26	W-BL	Trunk 16	}	
	R	1	BL-W			
	2T	27	W-O			17
	R	2	O-W			18
	3T	28	W-G			
	R	3	G-W			19
	4T	29	W-BR			
	R	4	BR-W			20
	5T	30	W-S			
	R	5	S-W			21
	6T	31	R-BL			
	R	6	BL-R	22		
	7T	32	R-O			
	R	7	O-R	23		
	8T	33	R-G			
	R	8	G-R	24		
	9T	34	R-BR			
	R	9	BR-R	25		
	10T	35	R-S			
	R	10	S-R	26		
	11T	36	BK-BL			
	R	11	BL-BK	27		
	12T	37	BK-O			
	R	12	O-BK	28		
	13T	38	BK-G			
	R	13	G-BK	29		
	14T	39	BK-BR			
	R	14	BR-BK	30		
	15T	40	BK-S			
	R	15	S-BK	26		
16T	41	Y-BL	B1/E } 26			
R	16	BL-Y	A1/M }			
17T	42	Y-O	B1/E } 27			
R	17	O-Y	A1/M }			
18T	43	Y-G	B1/E } 28			
R	18	G-Y	A1/M }			
19T	44	Y-BR	B1/E } 29			
R	19	BR-Y	A1/M }			
20T	45	Y-S	B1/E } 30			
R	20	S-Y	A1/M }			
21T	46	V-BL	}			
R	21	BL-V				
22T	47	V-O				
R	22	O-V				
23T	48	V-G				
R	23	G-V	}			
24T	49	V-BR				
R	24	BR-V				
25T	50	V-S	}			
R	25	S-V				

CO or DID trunk

Miscellaneous Trunk

Miscellaneous and Paging Trunk Signaling Leads. One pair can be used to connect Music-On-Hold trunks. (QPJ181-Type circuit pack)

Spare

TABLE H
TERMINATING SEQUENCE OF
P130 AT THE CROSS-CONNECTING TERMINAL
EXTERNAL EQUIPMENT MISCELLANEOUS SUPPLIES

A25B CONNECTOR CABLE FROM CONNECTOR P130 TERMINATED ON CONNECTING BLOCK P130	PAIR	PIN	PAIR COLOR	LEAD DESIGNATION WITH FUSE NUMBER WHEN APPLICABLE	FUNCTION
	1T	26	W-BL	SPARE	}
	R	1	BL-W	SPARE	
	2T	27	W-O	RG (-24F27)	} Recorded Dictation and Dial Long Line Ringing Supply
	R	2	O-W	CR (86F39)	
	3T	28	W-G	RG (-24F27)	} Recorded Dictation and Dial Long Line Ringing Supply
	R	3	G-W	CR (86F39)	
	4T	29	W-BR	SPARE	}
	R	4	BR-W	SPARE	
	5T	30	W-S	RING. GRD	} Dial Long Line Ringing Supply
	R	5	S-W	105F42	
	6T	31	R-BL	RING. GRD	} Dial Long Line Ringing Supply
	R	6	BL-R	105F42	
	7T	32	R-O	SPARE	}
	R	7	O-R	SPARE	
	8T	33	R-G	SPARE	}
	R	8	G-R	SPARE	
	9T	34	R-BR	AUX. GRD 1	}
	R	9	BR-R	-48F32	
	10T	35	R-S	AUX. GRD 1	}
	R	10	S-R	-48F32	
	11T	36	BK-BL	AUX. GRD 1	}
	R	11	BL-BK	-48F32	
	12T	37	BK-O	AUX. GRD 1	} Recorded Dictation and Dial Long Line Power Supply (Bunched as necessary to over- come voltage drop in cable)
	R	12	O-BK	-48F32	
	13T	38	BK-G	AUX. GRD 1	}
	R	13	G-BK	-48F32	
	14T	39	BK-BR	AUX. GRD 1	}
	R	14	BR-BK	-48F32	
	15T	40	BK-S	AUX. GRD 1	}
	R	15	S-BK	-48F32	
	16T	41	Y-BL	AUX. GRD 1	}
	R	16	BL-Y	-48F32	
	17T	42	Y-O	AUX. GRD 1	}
	R	17	O-Y	-48F33	
	18T	43	Y-G	AUX. GRD 1	} Dial Long Line Power Supply (Bunched as necessary)
	R	18	G-Y	-48F33	
	19T	44	Y-BR	AUX. GRD 1	}
	R	19	BR-Y	-48F33	
	20T	45	Y-S	AUX. GRD 1	}
	R	20	S-Y	-48F33	
	21T	46	V-BL	SPARE	}
	R	21	BL-V	SPARE	
	22T	47	V-O	DARB 12	} Recorded Dictation Trunk 1 Tone Supplies
	R	22	O-V	DARA 12	
	23T	48	V-G	DTTTB 12	}
	R	23	G-V	DTTA 12	
	24T	49	V-BR	DARB 13	} Recorded Dictation Trunk 2 Tone Supplies
	R	24	BR-V	DARA 13	
	25T	50	V-S	DTTB 13	}
	R	25	S-V	DTTA 13	

Note: The total current drawn through fuse 32 and 33 for miscellaneous equipment power supplies must not exceed 1.5 Amperes.

TABLE I
TERMINATING SEQUENCE OF
P070 AT THE CROSS-CONNECTING TERMINAL
(HOTEL/MOTEL SERVICE ONLY)
LINE SHELF NO. 1 – SYSTEM NUMBERS 210 TO 229

	PAIR	PIN	PAIR COLOR	SYSTEM NO.	DIALED NO. BY PLAN				COMMENTS
					A	B	C	OTHER	
BLUE BINDER OF A75A FROM CONNECTOR P070 TERMINATED ON CONNECTING BLOCK P070	1T	26	W-BL	210	750	750	750	Administrative lines with Power Fail Transfer (PFT)	
	R	1	BL-W						
	2T	27	W-O	211	751	751	751		
	R	2	O-W						
	3T	28	W-G	212	752	752	752		
	R	3	G-W						
	4T	29	W-BR	213	753	753	753		
	R	4	BR-W						
	5T	30	W-S	214	754	754	754		
	R	5	S-W						
	6T	31	R-BL	215	755	755	755	Special Services	
	R	6	BL-R						
	7T	32	R-O	216	756	756	756		
	R	7	O-R						
	8T	33	R-G	217	757	757	757		
	R	8	G-R						
	9T	34	R-BR	218	758	758	758		
	R	9	BR-R						
	10T	35	R-S	219	759	759	759		
	R	10	S-R						
	11T	36	BK-BL	220	1	1	1	Administrative Line without PFT	
	R	11	BL-BK						
	12T	37	BK-O	221	2	2	2		
	R	12	O-BK						
	13T	38	BK-G	222	3	3	3		
R	13	G-BK							
14T	39	BK-BR	223	4	4	4			
R	14	BR-BK							
15T	40	BK-S	224	5	5	5			
R	15	S-BK							
16T	41	Y-BL	225	6	6	6	Ground Start Leads for system numbers 210 to 219 to com- plete CO calls when in PFT mode		
R	16	BL-Y							
17T	42	Y-O	226	764	764	764			
R	17	O-Y							
18T	43	Y-G	227	100	100	100			
R	18	G-Y							
19T	44	Y-BR	228	101	101	101			
R	19	BR-Y							
20T	45	Y-S	229	102	102	102			
R	20	S-Y							
21T	46	V-BL	GS10						
R	21	BL-V	GS11						
22T	47	V-O	GS12						
R	22	O-V	GS13						
23T	48	V-G	GS14						
R	23	G-V	GS15						
24T	49	V-BR	GS16						
R	24	BR-V	GS17						
25T	50	V-S	GS18						
R	25	S-V	GS19						

TABLE I (Cont)
TERMINATING SEQUENCE OF
P080 AT THE CROSS-CONNECTING TERMINAL
(HOTEL/MOTEL SERVICE ONLY)
LINE SHELF NO. 1 – SYSTEM NUMBERS 230 TO 249

	PAIR	PIN	PAIR COLOR	SYSTEM NO.	DIALED NO. BY PLAN				COMMENTS
					A	B	C	OTHER	
ORANGE BINDER OF A75A FROM CONNECTOR P080 TERMINATED ON CONNECTING BLOCK P080	1T	26	W-BL	230	103	103	103		
	R	1	BL-W						
	2T	27	W-O	231	104	104	104		
	R	2	O-W						
	3T	28	W-G	232	105	105	105		
	R	3	G-W						
	4T	29	W-BR	233	106	106	106		
	R	4	BR-W						
	5T	30	W-S	234	107	107	107		
	R	5	S-W						
	6T	31	R-BL	235	108	108	108		
	R	6	BL-R						
	7T	32	R-O	236	109	109	109		
	R	7	O-R						
	8T	33	R-G	237	110	110	110		
	R	8	G-R						
	9T	34	R-BR	238	111	111	111		
	R	9	BR-R						
	10T	35	R-S	239	761	761	761		Admin/Test w/o PFT
	R	10	S-R						
	11T	36	BK-BL	240	112	112	112		
	R	11	BL-BK						
	12T	37	BK-O	241	113	113	113		
	R	12	O-BK						
	13T	38	BK-G	242	114	114	114		
R	13	G-BK							
14T	39	BK-BR	243	115	115	115			
R	14	BR-BK							
15T	40	BK-S	244	116	116	116			
R	15	S-BK							
16T	41	Y-BL	245	117	117	117			
R	16	BL-Y							
17T	42	Y-O	246	762	762	762		Admin/Test w/o PFT	
R	17	O-Y							
18T	43	Y-G	247	118	118	118			
R	18	G-Y							
19T	44	Y-BR	248	119	119	119			
R	19	BR-Y							
20T	45	Y-S	249	120	120	120			
R	20	S-Y							
21T	46	V-BL							
R	21	BL-V							
22T	47	V-O							
R	22	O-V							
23T	48	V-G	Spare					Spare	
R	23	G-V							
24T	49	V-BR							
R	24	BR-V							
25T	50	V-S							
R	25	S-V							

TABLE I (Cont)
TERMINATING SEQUENCE OF
P090 AT THE CROSS-CONNECTING TERMINAL
(HOTEL/MOTEL SERVICE ONLY)
TRUNK SHELF NO. 1 – TRUNKS 1 TO 15

	PAIR	PIN	PAIR COLOR	LEAD DESIGNATION	FUNCTION	
GREEN BINDER OF A75A FROM CONNECTOR P090 TERMINATED ON CONNECTING BLOCK P090	1T	26	W-BL	Trunk 1	}	
	R	1	BL-W			
	2T	27	W-O			2
	R	2	O-W			
	3T	28	W-G			3
	R	3	G-W			
	4T	29	W-BR			4
	R	4	BR-W			
	5T	30	W-S			5
	R	5	S-W			
	6T	31	R-BL	6	CO or DID	
	R	6	BL-R			
	7T	32	R-O	7		
	R	7	O-R			
	8T	33	R-G	8		
	R	8	G-R			
	9T	34	R-BR	9		
	R	9	BR-R			
	10T	35	R-S	10		
	R	10	S-R			
	11T	36	BK-BL	11	}	
	R	11	BL-BK			
	12T	37	BK-O	12		
	R	12	O-BK			
	13T	38	BK-G	13		
R	13	G-BK				
14T	39	BK-BR	14			
R	14	BR-BK				
15T	40	BK-S	15			
R	15	S-BK				
16T	41	Y-BL	T-L	}		
R	16	BL-Y	R-L			
17T	42	Y-O	T-GRD			
R	17	O-Y	R-BAT			
18T	43	Y-G	B1/E			
R	18	G-Y	A1/M			
19T	44	Y-BR	B1/E			
R	19	BR-Y	A1/M			
20T	45	Y-S	B1/E			
R	20	S-Y	A1/M			
21T	46	V-BL	B1/E	}		
R	21	BL-V	A1/M			
22T	47	V-O	B1/E			
R	22	O-V	A1/M			
23T	48	V-G	S-12			
R	23	G-V	S-13			
24T	49	V-BR	Spare			
R	24	BR-V	Spare			
25T	50	V-S	TAFAS-G			
R	25	S-V	TAFAS-R			
				To External Ringing Circuit		

TABLE J
TERMINATING SEQUENCE OF
P100 AT THE CROSS-CONNECTING TERMINAL
(HOTEL/MOTEL SERVICE ONLY)
LINE SHELF NO. 2 – SYSTEM NUMBERS 250 TO 269

	PAIR	PIN	PAIR COLOR	SYSTEM NO.	DIALED NO. BY PLAN				COMMENTS
					A	B	C	OTHER	
BLUE BINDER OF A50B FROM CONNECTOR P100 TERMINATED ON CONNECTING BLOCK P100	1T	26	W-BL	250	121	121	121		
	R	1	BL-W						
	2T	27	W-O	251	122	122	122		
	R	2	O-W						
	3T	28	W-G	252	123	123	123		
	R	3	G-W						
	4T	29	W-BR	253	124	124	124		
	R	4	BR-W						
	5T	30	W-S	254	125	125	125		
	R	5	S-W						
	6T	31	R-BL	255	126	126	126		
	R	6	BL-R						
	7T	32	R-O	256	127	127	127		
	R	7	O-R						
	8T	33	R-G	257	128	128	128		
	R	8	G-R						
	9T	34	R-BR	258	129	129	129		
	R	9	BR-R						
	10T	35	R-S	259	130	130	200		
	R	10	S-R						
	11T	36	BK-BL	260	131	131	201		
	R	11	BL-BK						
	12T	37	BK-O	261	132	132	202		
	R	12	O-BK						
	13T	38	BK-G	262	133	133	203		
R	13	G-BK							
14T	39	BK-BR	263	134	134	204			
R	14	BR-BK							
15T	40	BK-S	264	135	135	205			
R	15	S-BK							
16T	41	Y-BL	265	136	136	206			
R	16	BL-Y							
17T	42	Y-O	266	137	137	207			
R	17	O-Y							
18T	43	Y-G	267	138	138	208			
R	18	G-Y							
19T	44	Y-BR	268	139	139	209			
R	19	BR-Y							
20T	45	Y-S	269	140	140	210			
R	20	S-Y							
21T	46	V-BL							
R	21	BL-V							
22T	47	V-O							
R	22	O-V							
23T	48	V-G							
R	23	G-V							
24T	49	V-BR							
R	24	BR-V							
25T	50	V-S							
R	25	S-V							

Spare

TABLE J (Cont)
TERMINATING SEQUENCE OF
P110 AT THE CROSS-CONNECTING TERMINAL
(HOTEL/MOTEL SERVICE ONLY)
LINE SHELF NO. 2 – SYSTEM NUMBERS 270 TO 289

	PAIR	PIN	PAIR COLOR	SYSTEM NO.	DIALED NO. BY PLAN				COMMENTS
					A	B	C	OTHER	
ORANGE BINDER OF A50B FROM CONNECTOR P110 TERMINATED ON CONNECTING BLOCK P110	1T	26	W-BL	270	141	141	211		
	R	1	BL-W						
	2T	27	W-O	271	142	142	212		
	R	2	O-W						
	3T	28	W-G	272	143	143	213		
	R	3	G-W						
	4T	29	W-BR	273	144	144	214		
	R	4	BR-W						
	5T	30	W-S	274	145	145	215		
	R	5	S-W						
	6T	31	R-BL	275	146	146	216		
	R	6	BL-R						
	7T	32	R-O	276	147	147	217		
	R	7	O-R						
	8T	33	R-G	277	148	148	218		
	R	8	G-R						
	9T	34	R-BR	278	149	149	219		
	R	9	BR-R						
	10T	35	R-S	279	150	200	220		
	R	10	S-R						
	11T	36	BK-BL	280	151	201	221		
	R	11	BL-BK						
	12T	37	BK-O	281	152	202	222		
	R	12	O-BK						
	13T	38	BK-G	282	153	203	223		
R	13	G-BK							
14T	39	BK-BR	283	154	204	224			
R	14	BR-BK							
15T	40	BK-S	284	155	205	225			
R	15	S-BK							
16T	41	Y-BL	285	156	206	226			
R	16	BL-Y							
17T	42	Y-O	286	157	207	227			
R	17	O-Y							
18T	43	Y-G	287	158	208	228			
R	18	G-Y							
19T	44	Y-BR	288	159	209	229			
R	19	BR-Y							
20T	45	Y-S	289	160	210	130			
R	20	S-Y							
21T	46	V-BL							
R	21	BL-V							
22T	47	V-O							
R	22	O-V							
23T	48	V-G							
R	23	G-V							
24T	49	V-BR							
R	24	BR-V							
25T	50	V-S							
R	25	S-V							

Spare

TABLE K
TERMINATING SEQUENCE OF
P111 AT THE CROSS-CONNECTING TERMINAL
(HOTEL/MOTEL SERVICE ONLY)
LINE SHELF NO. 3 – SYSTEM NUMBERS 310 TO 329

	PAIR	PIN	PAIR COLOR	SYSTEM NO.	DIALED NO. BY PLAN				COMMENTS
					A	B	C	OTHER	
BLUE BINDER OF A50B FROM CONNECTOR P111 TERMINATED ON CONNECTING BLOCK P111	1T	26	W-BL	310	161	211	131		
	R	1	BL-W						
	2T	27	W-O	311	162	212	132		
	R	2	O-W						
	3T	28	W-G	312	163	213	230		
	R	3	G-W						
	4T	29	W-BR	313	164	214	231		
	R	4	BR-W						
	5T	30	W-S	314	165	215	232		
	R	5	S-W						
	6T	31	R-BL	315	166	216	300		
	R	6	BL-R						
	7T	32	R-O	316	167	217	301		
	R	7	O-R						
	8T	33	R-G	317	168	218	302		
	R	8	G-R						
	9T	34	R-BR	318	169	219	303		
	R	9	BR-R						
	10T	35	R-S	319	170	220	304		
	R	10	S-R						
	11T	36	BK-BL	320	171	221	305		
	R	11	BL-BK						
	12T	37	BK-O	321	172	222	306		
	R	12	O-BK						
	13T	38	BK-G	322	173	223	307		
R	13	G-BK							
14T	39	BK-BR	323	174	224	308			
R	14	BR-BK							
15T	40	BK-S	324	175	225	309			
R	15	S-BK							
16T	41	Y-BL	325	176	226	310			
R	16	BL-Y							
17T	42	Y-O	326	177	227	311			
R	17	O-Y							
18T	43	Y-G	327	178	228	312			
R	18	G-Y							
19T	44	Y-BR	328	179	229	313			
R	19	BR-Y							
20T	45	Y-S	329	180	230	314			
R	20	S-Y							
21T	46	V-BL							
R	21	BL-V							
22T	47	V-O							
R	22	O-V							
23T	48	V-G							
R	23	G-V							
24T	49	V-BR							
R	24	BR-V							
25T	50	V-S							
R	25	S-V							

Spare

TABLE K (Cont)
TERMINATING SEQUENCE OF
P112 AT THE CROSS-CONNECTING TERMINAL
(HOTEL/MOTEL SERVICE ONLY)
LINE SHELF NO. 3 – SYSTEM NUMBERS 330 TO 349

	PAIR	PIN	PAIR COLOR	SYSTEM NO.	DIALED NO. BY PLAN				COMMENTS
					A	B	C	OTHER	
ORANGE BINDER OF A50B FROM CONNECTOR P112 TERMINATED ON CONNECTING BLOCK P112	1T	26	W-BL	330	181	231	315		
	R	1	BL-W						
	2T	27	W-O	331	182	232	316		
	R	2	O-W						
	3T	28	W-G	332	183	233	317		
	R	3	G-W						
	4T	29	W-BR	333	184	234	318		
	R	4	BR-W						
	5T	30	W-S	334	185	235	319		
	R	5	S-W						
	6T	31	R-BL	335	186	236	320		
	R	6	BL-R						
	7T	32	R-O	336	187	237	321		
	R	7	O-R						
	8T	33	R-G	337	188	238	322		
	R	8	G-R						
	9T	34	R-BR	338	189	239	323		
	R	9	BR-R						
	10T	35	R-S	339	190	240	324		
	R	10	S-R						
	11T	36	BK-BL	340	191	241	325		
	R	11	BL-BK						
	12T	37	BK-O	341	192	242	326		
	R	12	O-BK						
	13T	38	BK-G	342	193	243	327		
R	13	G-BK							
14T	39	BK-BR	343	194	244	328			
R	14	BR-BK							
15T	40	BK-S	344	195	245	329			
R	15	S-BK							
16T	41	Y-BL	345	196	246	330			
R	16	BL-Y							
17T	42	Y-O	346	763	763	763	Admin/Test w/o PFT		
R	17	O-Y							
18T	43	Y-G	347	197	247	331			
R	18	G-Y							
19T	44	Y-BR	348	198	248	332			
R	19	BR-Y							
20T	45	Y-S	349	199	249	-			
R	20	S-Y							
21T	46	V-BL							
R	21	BL-V							
22T	47	V-O							
R	22	O-V							
23T	48	V-G							
R	23	G-V							
24T	49	V-BR							
R	24	BR-V							
25T	50	V-S							
R	25	S-V							

TABLE L
TERMINATING SEQUENCE OF P040
AT THE CROSS-CONNECTING TERMINAL
OPTION SHELF – HOTEL/MOTEL MESSAGE REGISTRATION

	PAIR	PIN	PAIR COLOR	SYSTEM NO.	DIALED NO BY PLAN				FUNCTION
					A	B	C	OTHER	
BLUE BINDER OF A75A FROM CONNECTOR P040 TERMINATED ON CONNECTING BLOCK P040	IT	26	W-BL	210	750	750	750	Message Register Leads to Message Register, or Electronic Message Registration System Power Supply for 24 V Registers External +48 V Power Supply in put +48 V Output for Message Registers Spares	
	R	1	BL-W	211	751	751	751		
	2T	27	W-O	212	752	752	752		
	R	2	O-W	213	753	753	753		
	3T	28	W-G	214	754	754	754		
	R	3	G-W	215	755	755	755		
	4T	29	W-BR	216	756	756	756		
	R	4	BR-W	217	757	757	757		
	5T	30	W-S	218	758	758	758		
	R	5	S-W	219	759	759	759		
	6T	31	R-BL	220	1	1	1		
	R	6	BL-R	221	2	2	2		
	7T	32	R-O	222	3	3	3		
	R	7	O-R	223	4	4	4		
	8T	33	R-G	224	5	5	5		
	R	8	G-R	225	6	6	6		
	9T	34	R-BR	226	764	764	764		
	R	9	BR-R	227	100	100	100		
	10T	35	R-S	228	101	101	101		
	R	10	S-R	229	102	102	102		
	11T	36	BK-BL	230	103	103	103		
	R	11	BL-BK	231	104	104	104		
	12T	37	BK-O	232	105	105	105		
	R	12	O-BK	233	106	106	106		
	13T	38	BK-G	234	107	107	107		
R	13	G-BK	235	108	108	108			
14T	39	BK-BR	236	109	109	109			
R	14	BR-BK	237	110	110	110			
15T	40	BK-S	238	111	111	111			
R	15	S-BK	239	761	761	761			
16T	41	Y-BL	240	112	112	112			
R	16	BL-Y	241	113	113	113			
17T	42	Y-O	242	114	114	114			
R	17	O-Y	243	115	115	115			
18T	43	Y-G	244	116	116	116			
R	18	G-Y	245	117	117	117			
19T	44	Y-BR	246	762	762	762			
R	19	BR-Y	247	118	118	118			
20T	45	Y-S	248	119	119	119			
R	20	S-Y	249	120	120	120			
21T	46	V-BL	+24 V						
R	21	BL-V	+24 V						
22T	47	V-O	48 IN						
R	22	O-V	48 IN						
23T	48	V-G	48 OUT						
R	23	G-V	48 OUT						
24T	49	V-BR							
R	24	BR-V							
25T	50	V-S	Spare						
R	25	S-V							

TABLE L (Cont)
TERMINATING SEQUENCE OF
PO50 AT THE CROSS-CONNECTING TERMINAL
OPTION SHELF – HOTEL/MOTEL MESSAGE REGISTRATION

	PAIR	PIN	PAIR COLOR	SYSTEM NO.	DIALED NO. BY PLAN				FUNCTION
					A	B	C	OTHER	
ORANGE BINDER OF A75A FROM CONNECTOR PO50 TERMINATED ON CONNECTING BLOCK PO50	1T	26	W-BL	250	121	121	121	<div style="display: flex; justify-content: space-between;"> <div style="width: 60%; border-left: 1px solid black; border-right: 1px solid black; padding: 0 5px;"> </div> <div style="width: 35%; padding: 0 5px;"> </div> </div>	
	R	1	BL-W	251	122	122	122		
	2T	27	W-O	252	123	123	123		
	R	2	O-W	253	124	124	124		
	3T	28	W-G	254	125	125	125		
	R	3	G-W	255	126	126	126		
	4T	29	W-BR	256	127	127	127		
	R	4	BR-W	257	128	128	128		
	5T	30	W-S	258	129	129	129		
	R	5	S-W	259	130	130	200		
	6T	31	R-BL	260	131	131	201		
	R	6	BL-R	261	132	132	202		
	7T	32	R-O	262	133	133	203		
	R	7	O-R	263	134	134	204		
	8T	33	R-G	264	135	135	205		
	R	8	G-R	265	136	136	206		
	9T	34	R-BR	266	137	137	207		
	R	9	BR-R	267	138	138	208		
	10T	35	R-S	268	139	139	209		
	R	10	S-R	269	140	140	210		
	11T	36	BK-BL	270	141	141	211		
	R	11	BL-BK	271	142	142	212		
	12T	37	BK-O	272	143	143	213		
	R	12	O-BK	273	144	144	214		
	13T	38	BK-G	274	145	145	215		
R	13	G-BK	275	146	146	216			
14T	39	BK-BR	276	147	147	217			
R	14	BR-BK	277	148	148	218			
15T	40	BK-S	278	149	149	219			
R	15	S-BK	279	150	200	220			
16T	41	Y-BL	280	151	201	221			
R	16	BL-Y	281	152	202	222			
17T	42	Y-O	282	153	203	223			
R	17	O-Y	283	154	204	224			
18T	43	Y-G	284	155	205	225			
R	18	G-Y	285	156	206	226			
19T	44	Y-BR	286	157	207	227			
R	19	BR-Y	287	158	208	228			
20T	45	Y-S	288	159	209	229			
R	20	S-Y	289	160	210	130			
21T	46	V-BL	+24 V +24 V						
R	21	BL-V							
22T	47	V-O							
R	22	O-V							
23T	48	V-G							
R	23	G-V							
24T	49	V-BR	Spare						
R	24	BR-V							
25T	50	V-S							
R	25	S-V							

TABLE L (Cont)
TERMINATING SEQUENCE OF
PO60 AT THE CROSS-CONNECTING TERMINAL
OPTION SHELF – HOTEL/MOTEL MESSAGE REGISTRATION

	PAIR	PIN	PAIR COLOR	SYSTEM NO.	DIALED NO. BY PLAN				FUNCTION
					A	B	C	OTHER	
GREEN BINDER OF A75A FROM CONNECTOR P060 TERMINATED ON CONNECTING BLOCK P060	1T	26	W-BL	310	161	211	131	} Message Register Leads to Message Register or Electronic Message Registration System	
	R	1	BL-W	311	162	212	132		
	2T	27	W-O	312	163	213	230		
	R	2	O-W	313	164	214	231		
	3T	28	W-G	314	165	215	232		
	R	3	G-W	315	166	216	300		
	4T	29	W-BR	316	167	217	301		
	R	4	BR-W	317	168	218	302		
	5T	30	W-S	318	169	219	303		
	R	5	S-W	319	170	220	304		
	6T	31	R-BL	320	171	221	305		
	R	6	BL-R	321	172	222	306		
	7T	32	R-O	322	173	223	307		
	R	7	O-R	323	174	224	308		
	8T	33	R-G	324	175	225	309		
	R	8	G-R	325	176	226	310		
	9T	34	R-BR	326	177	227	311		
	R	9	BR-R	327	178	228	312		
	10T	35	R-S	328	179	229	313		
	R	10	S-R	329	180	230	314		
	11T	36	BK-BL	330	181	231	315		
	R	11	BL-BK	331	182	232	316		
	12T	37	BK-O	331	183	233	317		
	R	12	O-BK	233	184	234	318		
	13T	38	BK-G	334	185	235	319		
R	13	G-BK	335	186	236	320			
14T	39	BK-BR	336	187	237	321			
R	14	BR-BK	337	188	238	322			
15T	40	BK-S	338	189	239	323			
R	15	S-BK	339	190	240	324			
16T	41	Y-BL	340	191	241	325			
R	16	BL-Y	341	192	242	326			
17T	42	Y-O	342	193	243	327			
R	17	O-Y	343	194	244	328			
18T	43	Y-G	344	195	245	329			
R	18	G-Y	345	196	246	330			
19T	44	Y-BR	346	763	763	763			
R	19	BR-Y	347	197	247	331			
20T	45	Y-S	348	198	248	332			
R	20	S-Y	349	199	249	—			
21T	46	V-BL	+24 V				} Message Register Supply		
R	21	BL-V	+24 V						
22T	47	V-O					} Spare		
R	22	O-V							
23T	48	V-G	Spare						
R	23	G-V							
24T	49	V-BR							
R	24	BR-V							
25T	50	V-S							
R	25	S-V							

TABLE L (Cont)
TERMINATING SEQUENCE OF
P131 AT THE CROSS-CONNECTING TERMINAL
OPTION SHELF – MESSAGE REGISTRATION CONTROL

	PAIR	PIN	PAIR COLOR	LEAD DESIGNINATION Trunk 3rd Wire for Trunk	FUNCTION
A25B CONNECTOR CABLE FROM CONNECTOR P131 TERMINATED ON CONNECTING BLOCK P131	1T	26	W-BL	16	Message Registration Control Leads
	R	1	BL-W	1	
	2T	27	W-O	17	
	R	2	O-W	2	
	3T	28	W-G	18	
	R	3	G-W	3	
	4T	29	W-BR	19	
	R	4	BR-W	4	
	5T	30	W-S	20	
	R	5	S-W	5	
	6T	31	R-BL	21	
	R	6	BL-R	6	
	7T	32	R-O	22	
	R	7	O-R	7	
	8T	33	R-G	23	
	R	8	G-R	8	
	9T	34	R-BR	24	
	R	9	BR-R	9	
	10T	35	R-S	25	
	R	10	S-R	10	
	11T	36	BK-BL	26	
	R	11	BL-BK	11	
	12T	37	BK-O	27	
	R	12	O-BK	12	
	13T	38	BK-G	28	
R	13	G-BK	13		
14T	39	BK-BR	29		
R	14	BR-BK	14		
15T	40	BK-S	30		
R	15	S-BK	15		
16T	41	Y-BL	Spare	Spare	
R	16	BL-Y			
17T	42	Y-O			
R	17	O-Y			
18T	43	Y-G			
R	18	G-Y			
19T	44	Y-BR			
R	19	BR-Y			
20T	45	Y-S			
R	20	S-Y			
21T	46	V-BL	Spare	Spare	
R	21	BL-V			
22T	47	V-O			
R	22	O-V			
23T	48	V-G			
R	23	G-V			
24T	49	V-BR	Spare	Spare	
R	24	BR-V			
25T	50	V-S	Spare	Spare	
R	25	S-V			