



CAB. 13 MODIFIED
WHEN USED FOR
MULTIPLE CONSOLE
DIRECT TRUNK
TERMINATION
(REVISED NOV. 1969)

Fig. 1—System Cabinet Arrangement

TABLE A
BASIC 757A EQUIPMENT

LINES	TRAFFIC* CAP. <i>M.D.</i>	SPACE AND TERMINALS FOR PLUG-IN		DIAL O ATND TRK	J U N C T O R S	ORIGINATING REGISTER				BUSY- TONE TRUNKS	BUSY VERIFICATION TRUNK		NO. CABS.‡
		CO TRUNKS ONLY	UNIV (CO OR TIE) TRUNKS†			PRIOR TO SD-66735-01 ISSUE 24D		PER SD-66735-01 ISSUE 24D OR LATER			PRIOR TO SD-66735-01 ISSUE 23D	PER SD-66735-01 ISSUE 23D OR LATER	
						WIRED- IN	PLUG- IN	WIRED- IN	PLUG- IN				
40	<u>A</u>	7	7	4	6	2	—	3	—	2	1	1	3
	B	10	11	4	6	2	—	3	—	2	1	1	4
80	A or B	10	15	4	9	2	1	3	—	2	1	1	5
120	A	10	15	5	12	2	1	3	—	2	1	1	6
	B	15	20	6	12	2	1	3	—	2	1	1	7
160	A or B	15	20	7	15	2	2	3	1	2	1	1	8
200	A	15	20	7	15	2	2	3	1	2	1	1	9
	B	23	20	8	18	2	2	3	1	2	1	1	10

* Traffic capacity A — heavy traffic
Traffic capacity B — extra heavy traffic

† When all trunk terminals are required for central office trunks, tie trunks (maximum 20) may be installed in tie trunk cabinets (maximum 2).

‡ When battery reserve, switched loop, direct inward dialing, or prewired cable terminating features are provided, additional cabinets will be required.

TABLE B
POWER SUPPLY REQUIREMENTS

LINES	TRAFFIC CAPACITY*	BATTERYLESS					BATTERY RESERVE
		EQUIPMENT AND DESCRIPTION					EQUIPMENT/DESCRIPTION
		J86808A L5	J86808A L2	J86808A L3	J86808B L3	J86808B L2	J86810A
		COMMON EQUIPMENT AND POWER SUPPLIES 230-VOLT SERVICE	CONVERSION KIT TO CONVERT L5 TO 117-VOLT SERVICE	SUPPLEMENTAL POWER SUPPLY (C)	POWER SUPPLIES FOR SLIDE 1 FOR POWER CAB. INSTALLATION	CONVERSION KIT TO CONVERT L3 TO 117-VOLT SERVICE FOR PBX CAB. INSTALLATION	COMMON EQUIPMENT AND POWER SUPPLIES FOR 117-VOLT SERVICE
40	A				1	1**	
	B	1	1**				1
80	A or B	1	1**				1
120 160	A or B A or B	1	1**	1			1
200	A or B	1	1**	2			1
Additional Optional Cabinets			1**	1			1

* Traffic Capacity A — heavy traffic
Traffic Capacity B — extra heavy traffic

** When required

be equipped with a maximum of six supplemental power supplies. (See Table B.)

2.10 If battery reserve is required, a cabinet per J86810A, List 3 must be substituted for the batteryless power cabinet J86808A, List 6 or 7. The battery reserve power cabinet consists of a +48 volt rectifier and 10-volt ac supply, a -48 volt to +10 volt converter, a -48 volt to +48 volt converter and ringing and tone supplies. This power cabinet is wired for connecting to 117-volt, 60-cycle, single-phase power. The -48 volt battery reserve may be supplied from a 105E (J86814), 111A (J86470) power plant or from some other standard -48 volt power plant. The 105E and 111A power plants have wiring options to provide plant alarms compatible with 757A PBX system requirements. Operation and maintenance for the 105E power plant is covered in Section 167-210-302. Section 167-210-301 provides operation and maintenance for the 111A power plant.

2.11 For connection of the power plant to the commercial ac supply, a 3-conductor 14-gauge flexible cable KS-15141 with Hubbell Twist-lock connector, catalog No. 7567G is provided. The commercial ac service and receptacle per Hubbell Twist-lock connector receptacle, catalog No. 7582G with 94091 type plate must be furnished by the customer. The fused-117 volt, 60-cycle ac power must provide 105 volts minimum at the equipment.

2.12 The J86810A power supply with battery reserve is also used to supply power to the 608-type PBX when associated with the 757A PBX. A J86810A, List 2 unit is required and is mounted at the top of slide No. 2 of J86810A, List 3. Connection information for the J86810A, List 2 unit will be covered in Section 551-206-211.

2.13 Operation and maintenance procedures on the J86810A power plant are covered in Section 167-487-301.