

CONNECTING BLOCKS, 66-TYPE

NUMBERING AND WIRING PLAN

1. GENERAL

1.01 This section provides information on numbering and wiring of 66-type connecting blocks.

1.02 This section is reissued to:

- Delete specific information on 115-type apparatus boxes
- Delete cabling of apparatus boxes
- Add information on 66B4-3 and 66B6-3 connecting blocks
- Add information on 66E8-25 and 66E9-25 connecting blocks
- Add references to appropriate practices for deleted material.

1.03 Incoming CO lines to be installed in compliance with the Federal Communications Commission (FCC) Registration Program must be routed through a standard network interface. Information on approved interfaces is contained in Section 461-604-105, entitled Connecting Blocks, 66M3-50R—Identification, Installation, and Maintenance.

2. NUMBERING

66-Type General Purpose Connecting Blocks

2.01 The connecting block numbering plan is dependent upon the blocks being wall mounted with the long side vertical. The first terminal in the upper left-hand corner is designated 1A.

2.02 Numbering plans for various general purpose connecting blocks are shown in Fig. 1 through

7.

Note: The symbols in these figures illustrate the number of connectors and terminals on each connector in a horizontal row, ie, **OOOO** indicates one connector with four terminals; **OO OO** indicates two connectors with two terminals each, etc.

2.03 When marking these connecting blocks and fanning strips for terminal identification, use the transfer stenciling kit to stamp and identify the terminals. Refer to Section 081-860-105 for stenciling procedures.

3. IDENTIFICATION

3.01 For explicit identification and installation information, see the following sections:

- Section 461-604-102—Connecting Blocks, 66A-, 66B-, 66C-, and 66M-Type
- Section 461-604-103—Connecting Blocks, 66E-Type
- Section 461-604-105—Connecting Block 66M3-50R
- Section 463-121-115—115-Type Apparatus Boxes.

3.02 The 66A-type connecting blocks are manufacture discontinued (MD) and replaced by the 66B-type connecting blocks.

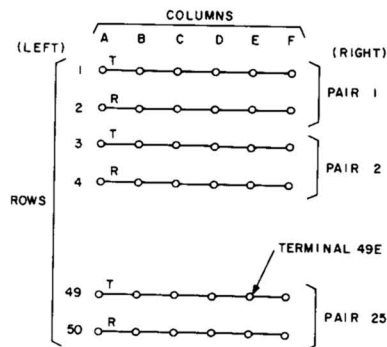
3.03 The 66B-type connecting blocks have six terminals in a row, may have either 6 or 50 horizontal rows assembled in various connector terminal configurations as shown in Fig. 1, 2, 3, and 4.

3.04 The 66B4-25C and 66B3-50C connecting blocks are factory wired so that the wiring sequence is in the proper order when the cable stub and plug are at the top (Table A).

NOTICE

Not for use or disclosure outside the
Bell System except under written agreement

- 3.05** The 66B4-25C is furnished with a single 12-inch cable stub and plug, and the 66B3-50C has two 12-inch cable stubs and plugs.
- 3.06** The 66C-type connecting blocks have four terminals in a row and 32 horizontal rows, each row a solid 4-terminal connector (Fig. 5).
- 3.07** The 66M-type connecting blocks have four terminals in a row and 50 horizontal rows with two different connector terminal configurations (Fig. 6 and 7).
- 3.08** The 66E-type connecting blocks have fifty 2-terminal connectors (Fig. 8). The connectors are mounted vertically in ten horizontal rows making five horizontal rows of 2-terminal connectors or ten horizontal rows of terminals.
- 3.09** The 66E3-25 and 66E4-25 connecting blocks are factory wired to a receptacle as shown in Table B. The wiring sequence will be in proper order when the receptacle is on the right-hand side as the craft person faces the connecting block.
- 3.10** The 66E8-25 connecting block is wired to two cable stubs, one with a receptacle and one with a plug as shown in Table B. The wiring sequence will be in proper order when the cable and connectors are at the bottom.
- 3.11** The 66E9-25 connecting block is a special purpose connecting block using a 66E3-25 connecting block. Ten resistors, one capacitor, and one diode are factory wired as shown in Table C.



COLUMN ASSIGNMENT AND TERMINATING SEQUENCE

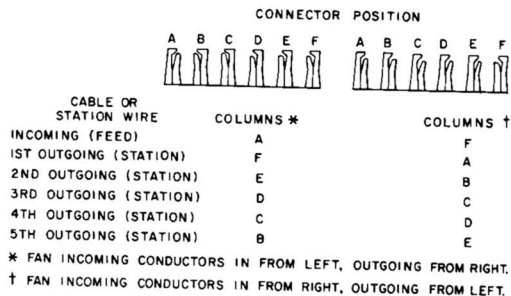
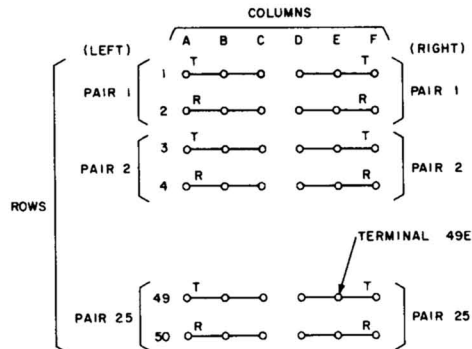
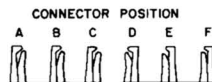


Fig. 1—Numbering and Wiring Plan for 66A1-25 (MD), 66A2-25 (MD), 66A2-50 (MD), 66B1-25 (MD), 66B4-25, and 66B4-25C Connecting Blocks



COLUMN ASSIGNMENT AND TERMINATING SEQUENCE

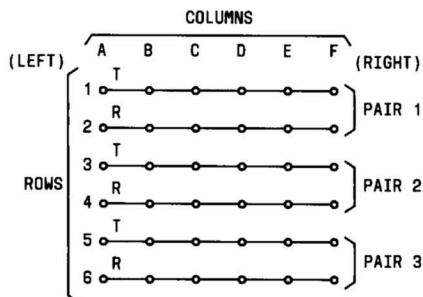


CABLE ON STATION WIRE	COLUMNS *	COLUMNS †
INCOMING (FEED)	A	F
1ST OUTGOING (STATION)	B	E
2ND OUTGOING (STATION)	C	D

* FAN INCOMING AND OUTGOING CONDUCTORS IN FROM LEFT.

† FAN INCOMING AND OUTGOING CONDUCTORS IN FROM RIGHT.

**Fig. 2—Numbering and Wiring Plan for 66B3-50
and 66B3-50C Connecting Blocks**



COLUMN ASSIGNMENT AND TERMINATING SEQUENCE

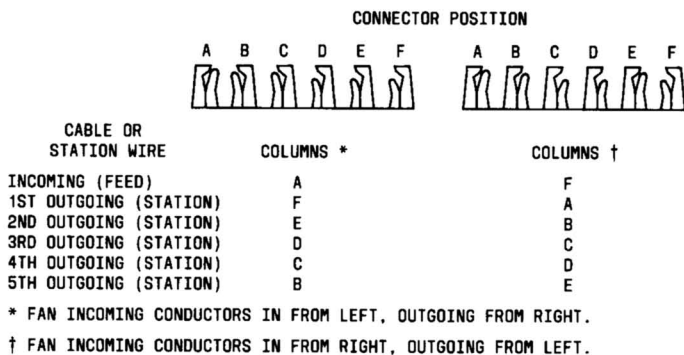
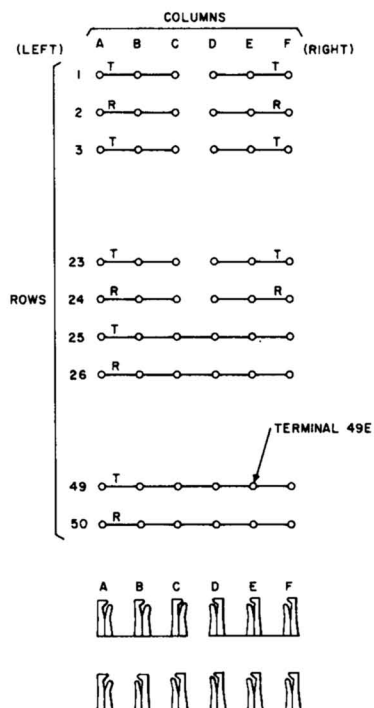


Fig. 3—Numbering and Wiring Plan for 66B4-3 and 66B6-3 Connecting Blocks



NOTE:

SEE FIG. 2 FOR WIRING PLAN FOR ROWS 1 THROUGH 24. FIG. 1
FOR ROWS 25 THROUGH 50.

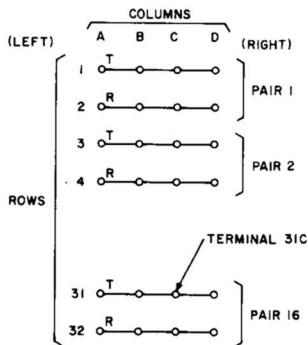
**Fig. 4—Numbering and Wiring Plan for 66B5-37
Connecting Blocks**

◆ TABLE A ◆

FACTORY WIRING 66B3-50C AND 66B4-25C CONNECTING BLOCKS

PLUG TERMINAL NUMBER	CONNECTING CABLE		CONNECTING BLOCK TERMINAL*		
	PAIR	COLOR	66B4-25C	66B3-50C	
				LEFT CABLE	RIGHT CABLE
26 1	1	W-BL	1A	1A	1F
27 2		BL-W	2A	2A	2F
28 3	2	W-O	3A	3A	3F
29 4		O-W	4A	4A	4F
30 5	3	W-G	5A	5A	5F
31 6		G-W	6A	6A	6F
32 7	4	W-BR	7A	7A	7F
33 8		BR-W	8A	8A	8F
34 9	5	W-S	9A	9A	9F
35 10		S-W	10A	10A	10F
36 11	6	R-BL	11A	11A	11F
37 12		BL-R	12A	12A	12F
38 13	7	R-O	13A	13A	13F
39 14		O-R	14A	14A	14F
40 15	8	R-G	15A	15A	15F
41 16		G-R	16A	16A	16F
42 17	9	R-BR	17A	17A	17F
43 18		BR-R	18A	18A	18F
44 19	10	R-S	19A	19A	19F
45 20		S-R	20A	20A	20F
46 21	11	BK-BL	21A	21A	21F
47 22		BL-BK	22A	22A	22F
48 23	12	BK-O	23A	23A	23F
49 24		O-BK	24A	24A	24F
50 25	13	BK-G	25A	25A	25F
51 26		G-BK	26A	26A	26F
52 27	14	BK-BR	27A	27A	27F
53 28		BR-BK	28A	28A	28F
54 29	15	BK-S	29A	29A	29F
55 30		S-BK	30A	30A	30F
56 31	16	Y-BL	31A	31A	31F
57 32		BL-Y	32A	32A	32F
58 33	17	Y-O	33A	33A	33F
59 34		O-Y	34A	34A	34F
60 35	18	Y-G	35A	35A	35F
61 36		G-Y	36A	36A	36F
62 37	19	Y-BR	37A	37A	37F
63 38		BR-Y	38A	38A	38F
64 39	20	Y-S	39A	39A	39F
65 40		S-Y	40A	40A	40F
66 41	21	V-BL	41A	41A	41F
67 42		BL-V	42A	42A	42F
68 43	22	V-O	43A	43A	43F
69 44		O-V	44A	44A	44F
70 45	23	V-G	45A	45A	45F
71 46		G-V	46A	46A	46F
72 47	24	V-BR	47A	47A	47F
73 48		BR-V	48A	48A	48F
74 49	25	V-S	49A	49A	49F
75 50		S-V	50A	50A	50F

* Connecting blocks are intended to mount with the cable stub and plug at the top.



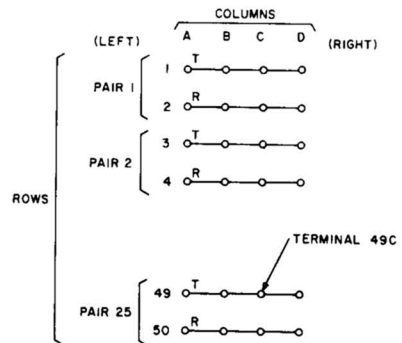
COLUMN ASSIGNMENT AND TERMINATING SEQUENCE

CABLE OR STATION WIRE	CONNECTOR POSITION			
	A	B	C	D
	COLUMNS *	COLUMNS †		
INCOMING (FEED)	A	D		
1ST OUTGOING (STATION)	D	A		
2ND OUTGOING (STATION)	C	B		
3RD OUTGOING (STATION)	B	C		

* FAN INCOMING CONDUCTORS IN FROM LEFT, OUTGOING FROM RIGHT.

† FAN INCOMING CONDUCTORS IN FROM RIGHT, OUTGOING FROM LEFT.

Fig. 5—Numbering and Wiring Plan for 66C1-16, 66C2-16, and 66C2-32 Connecting Blocks

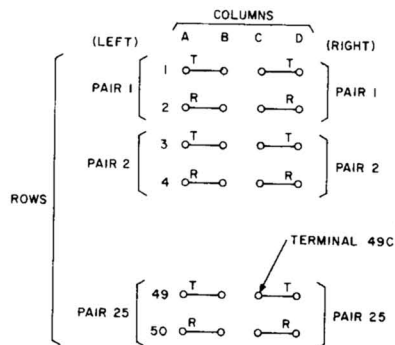


COLUMN ASSIGNMENT AND TERMINATING SEQUENCE

CABLE OR STATION WIRE	CONNECTOR POSITION			
	A	B	C	D
	COLUMNS *	COLUMNS †		
INCOMING (FEED)	A	D		
1ST OUTGOING (STATION)	D	A		
2ND OUTGOING (STATION)	C	B		
3RD OUTGOING (STATION)	B	C		
* FAN INCOMING CONDUCTORS IN FROM LEFT, OUTGOING FROM RIGHT.				

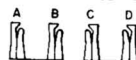
TPA 550674

Fig. 6—Numbering and Wiring Plan for 66M1-25 Connecting Blocks



COLUMN ASSIGNMENT AND TERMINATING SEQUENCE

CONNECTOR POSITION

CABLE OR
STATION WIRE

COLUMNS *

COLUMNS †

INCOMING (FEED)

A

D

OUTGOING (STATION)

B

C

* FAN INCOMING AND OUTGOING CONDUCTORS IN FROM LEFT.

† FAN INCOMING AND OUTGOING CONDUCTORS IN FROM RIGHT.

Fig. 7—Numbering and Wiring Plan for 66M1-50
Connecting Blocks

ROW NO.	1	2	3	4	5	6	7	8	9	10
1	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮
2	(26)	(1)	(27)	(2)	(28)	(3)	(29)	(4)	(30)	(5)
ROW NO.	11	12	13	14	15	16	17	18	19	20
3	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮
4	(31)	(6)	(32)	(7)	(33)	(8)	(34)	(9)	(35)	(10)
ROW NO.	21	22	23	24	25	26	27	28	29	30
5	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮
6	(36)	(11)	(37)	(12)	(38)	(13)	(39)	(14)	(40)	(15)
ROW NO.	31	32	33	34	35	36	37	38	39	40
7	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮
8	(41)	(16)	(42)	(17)	(43)	(18)	(44)	(19)	(45)	(20)
ROW NO.	41	42	43	44	45	46	47	48	49	50
9	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮
10	(46)	(21)	(47)	(22)	(48)	(23)	(49)	(24)	(50)	(25)

NOTE:

NUMBERS IN PARENTHESIS INDICATE INTERNAL CONNECTIONS TO PINS OF RECEPTACLE OR PLUG

Fig. 8—Numbering and Wiring Plan for 66E-Type Connecting Blocks

◆ TABLE B ◆

FACTORY INTERNAL WIRING
66E-TYPE
CONNECTING BLOCKS

RECEPTACLE OR PLUG TERMINAL NUMBER	CONNECTING CABLE		CONNECTOR TERMINAL
	PAIR	COLOR	
26 1	1	W-BL BL-W	1 2
27 2	2	W-O O-W	3 4
28 3	3	W-G G-W	5 6
29 4	4	W-BR BR-W	7 8
30 5	5	W-S S-W	9 10
31 6	6	R-BL BL-R	11 12
32 7	7	R-O O-R	13 14
33 8	8	R-G G-R	15 16
34 9	9	R-BR BR-R	17 18
35 10	10	R-S S-R	19 20
36 11	11	BK-BL BL-BK	21 22
37 12	12	BK-O O-BK	23 24
38 13	13	BK-G G-BK	25 26
39 14	14	BK-BR BR-BK	27 28
40 15	15	BK-S S-BK	29 30
41 16	16	Y-BL BL-Y	31 32
42 17	17	Y-O O-Y	33 34
43 18	18	Y-G G-Y	35 36
44 19	19	Y-BR BR-Y	37 38
45 20	20	Y-S S-Y	39 40
46 21	21	V-BL BL-V	41 42
47 22	22	V-O O-V	43 44
48 23	23	V-G G-V	45 46
49 24	24	V-BR BR-V	47 48
50 25	25	V-S S-V	49 50

◆ TABLE C ◆

FACTORY EXTERNAL WIRING
66E9-25
CONNECTING BLOCKS

ITEM	BETWEEN TERMINALS		ROW
R1	5	7	2
R2	1	3	1
R3	11	13	4
R4	15	17	4
R5	21	23	6
R6	25	27	6
R7	31	33	8
R8	35	37	8
R9	41	43	10
R10	45	47	10
Capacitor	1	10	2
Diode	6	9	1