

**SPECIFIC REQUIREMENTS FOR
APPARATUS AND EQUIPMENT
DISTRIBUTING AND PROTECTOR FRAMES
NUMBERING AND LETTERING
GENERAL EQUIPMENT REQUIREMENTS**

CONTENTS	PAGE	CONTENTS	PAGE
1. GENERAL	1	Horizontal Side	21
2. SPECIFIC REQUIREMENTS	2	Toll Frames	21
A. General	2	Local Frames	22
B. Main Distributing Frames, Protector Frames, and Double-sided Combined Distributing Frames	2	Panel	22
Vertical Side	2	Step by Step	22
Cable Designation Boards	2	Terminal Strips for Subscriber Lines	22
Protectors and Jacks	3	E. Line Distributing Frames	22
Terminal Strips	3	F. Trunk Distributing Frames	24
Horizontal Side	4	G. Trunk Assignment Distributing Frames	28
Vertical Numbers	4	H. Traffic Register Distributing Frames	28
Terminal Strips for Subscriber Lines	8	I. District Junctor Grouping Frames	30
Manual	8	J. Distributing Frame Terminal Strips	30
Panel	8	General	30
Step by Step and PBX	8	Group and Subgroup Designations	30
No. 1 Crossbar	9	Functional Designations	31
No. 5 Crossbar	9	Numerical Designations	31
Terminal Strips for OGT, Toll Line, Toll Line Answering Jack, etc, Multiples	9	Separation Stripes	31
C. Single-sided Combined Distributing Frames	18	K. Miscellaneous	31
D. Intermediate Distributing Frames	19	Protective Coating	31
Vertical Side	19	Shields	31
Toll Frames	19	REASONS FOR REISSUE	40
Terminal Strips for Subscriber Lines	19	1. GENERAL	
Panel	19	Scope	
Step by Step	19	1.01 This section covers the specific require- ments for numbering and lettering dis- tributing and protector frames and the appa- ratus (protectors, terminal strips, etc) mounted	
Terminal Strips for Toll Intermedi- ate Distributing Frame Tie Cables	19		

thereon. It supplements the common requirements covered in Section 800-613-150.

1.02 This section is reissued to make changes which are listed under reasons for re-issue at the end of this section.

1.03 All dimensions shown in this section for locating designations shall be considered approximate unless otherwise indicated by tolerances.

2. SPECIFIC REQUIREMENTS

A. General

2.01 Requirements for stamping designations applying to distributing and protector frames and to the apparatus thereon are presented according to the type of frame. Detailed stamping information is given for terminal strips for many specific circuit applications on particular types of distributing frames. The required functional and numerical designations for specific applications shall be stamped with the frequency indicated in the respective figures. For terminal strip applications not specifically covered, the general requirements for distributing frame terminal strips, as given in 2.35 through 2.39, inclusive, shall be employed.

B. Main Distributing Frames, Protector Frames, and Double-sided Combined Distributing Frames

Vertical Side

2.02 *Cable designation boards* shall be stamped, as shown in Fig. 1, in accordance with the following:

(a) Stamp the *number of each vertical* at the respective verticals and, at double-sided protector frames, suffix the number of the first, last, and each intermediate tenth vertical with the letter "A" on the side away from the associated main distributing frame and the letter "B" on the side adjacent.

(b) Stamp the *numbers of the outside cables* connected to each stub (or switchboard) cable terminating on the vertical. Those connected to the top cable shall be listed below the vertical number. When more than one outside cable connects to a stub cable, list the numbers on one line with the order from left to right corresponding with the order of termination from top down on the vertical. At frames with mezzanine platforms, the numbers of the cables terminating on the entire vertical may be stamped on both the upper and lower boards with a stripe separating

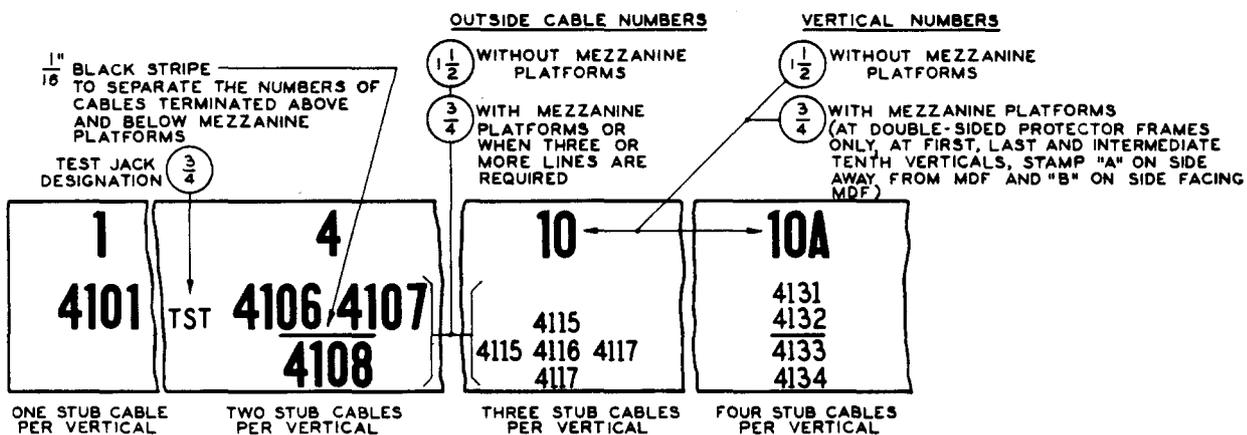


Fig. 1 - Cable Designation Boards - MDF, CDF, and Protector Frames

those terminating above the platform from those below, or the numbers of the cables above the platform may be stamped on the upper board and those below on the lower board. The required arrangement shall be specified by the telephone company.

(c) **Other designations**, such as "TST" for test jack, shall be furnished as required.

(d) When a designation board does not extend over all the verticals of a CDF, the verticals over which there is no designation board shall be stamped in accordance with Fig. 26.

2.03 Protectors and jacks shall be designated (protectors on the right side, jacks on both sides) as shown in Fig. 2 to 5.

(a) **Cable pair numbers** (all digits 1, 10, 100, 1000, etc) shall be stamped for the following pairs:

(1) The first (first even numbered when quads are identified) and last pairs terminated on each vertical, except on frames with a mezzanine platform where first (first even numbered when quads are identified) and last pairs terminated on both the upper and lower half of each vertical, shall be marked.

(2) The first (first even numbered when quads are identified) and last pairs of each cable or cable complement.

(3) The pair numbers ending in 5 [except for pairs stamped per (4) below] and 0.

(4) The even-numbered pairs of quadded circuits.

(5) The first (first even numbered when quads are identified) and last pairs of any special group of circuits in a cable.

(b) **Cable Number**: Where more than one cable is terminated on a vertical or when a cable designation board is not provided, the number of each cable shall be stamped with red ink on the protector spring, or on the

guard spring of the jacks, below the first pair marking of the cable.

(c) **Background colors** (white, red, or orange) shall be provided on protector springs or jack guard springs as follows:

(1) Paint white background for all cable and cable pair designations where background per (2) or (3) below is not provided.

(2) When designation of quads is specified, paint the springs of alternate quads red and white, using red for the two springs of the first quad, white for those of the second quad, etc.

(3) When designation of program transmission loaded circuits is specified, paint the springs orange.

(d) **Fanning Hole Identification**: A stripe (3/8-inch letter "I") shall be stamped on the face of the fanning strip adjacent to each fanning hole associated with a protector or jack on which the pair number is stamped.

(e) **A stripe** (black for voice frequency loaded circuits, white for carrier loaded circuits), when specified, shall be located along the right front edge of the fanning strip adjacent to protectors associated with loaded cable pairs, either quadded or nonquadded.

2.04 Terminal strips for cable pairs of outside cables and for tie cables from distributing frames to protector frames, shall be stamped as shown in Fig. 6 in accordance with the following:

(a) **Cable Numbers**: The associated outside cable numbers shall be stamped on the face of the fanning strip, near the top, for each terminal strip. Where pairs from two cables terminate on the same terminal strip, the cable number applying to the lower portion shall be stamped near the bottom of the fanning strip.

(b) **Pair Numbers**: Stamp, on the right edge of the clamping strip and fanning strip, numbers identifying the first, last, and each

intermediate pair whose number is a multiple of five for each terminal strip, each hundred group, and each cable. Cable pairs are numbered from 1 up and, in each group of 100 pairs, these numbers, as required, shall be stamped 1 to 9 (1 digit), 10 to 99 (2 digits), and 100 (3 digits). Stamp also, on the face of the clamping strip approximately in the middle of the group of 100 pairs to which it applies, the complete cable pair hundred number 000 to 900 (3 digits), 1000, 1100, etc (4 digits). Complete identification of any particular pair is obtained by adding the hundred number and the number stamped on the side of the terminal strip.

(For example: $1700 + 5 = 1705$, $1700 + 100 = 1800$, etc.) A stripe ($3/8$ -inch letter "I") shall be stamped on the edge of the clamping strip at the junction of pairs for two hundred groups or for two cables on the same terminal strip.

2.05 Terminal strips for tie cables and cable pairs not terminating directly on protectors shall be stamped as shown in Fig. 7.

2.06 Terminal strips for toll intermediate distributing frame tie cables shall be stamped with the tie cable number (when assigned) as shown in Fig. 7.

Horizontal Side

2.07 Vertical Numbers: The number of each vertical (except the one at the extreme left of the frame) shall be stamped at the left of the respective verticals, on the top of the terminal strip fanning strips on the shelves prescribed in (a) or (b) below. Where terminal strips are omitted, stamp on the face of the stiffening bar. If stiffening bars are not provided, the vertical numbers may be omitted. (See Fig. 8.)

(a) On frames without mezzanine platforms, stamp on the fourth and tenth shelves from the floor.

(b) On frames with mezzanine platforms, stamp on the fourth shelf from the floor and the fourth shelf above the platform.

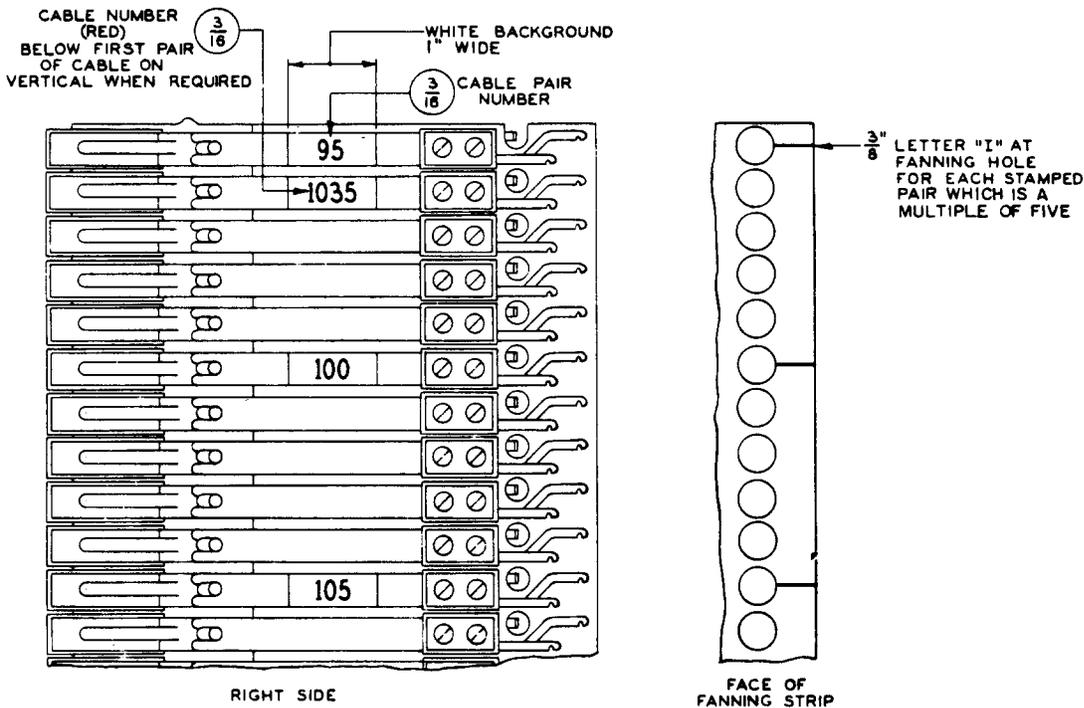
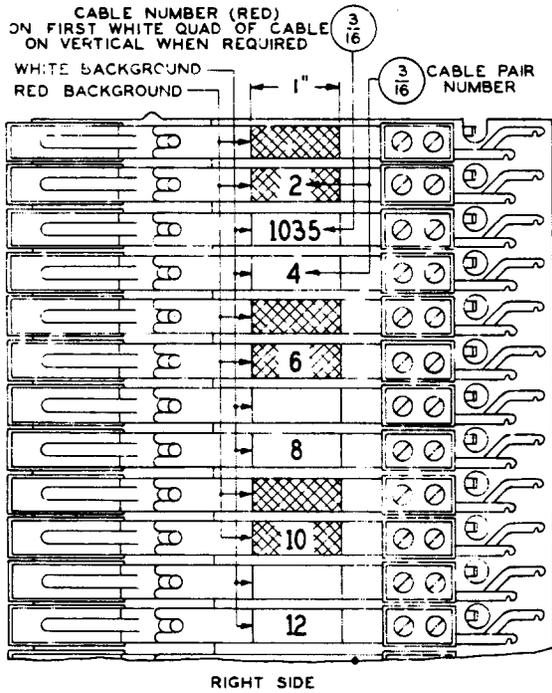


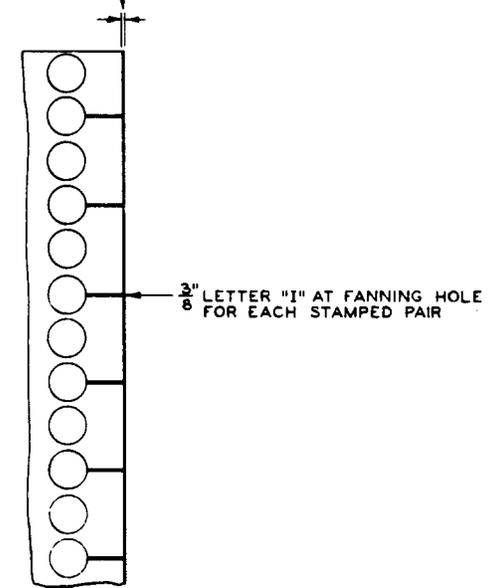
Fig. 2 - Protectors When Designations for Loading, etc, Are Not Required - MDF, CDF, and Protector Frames



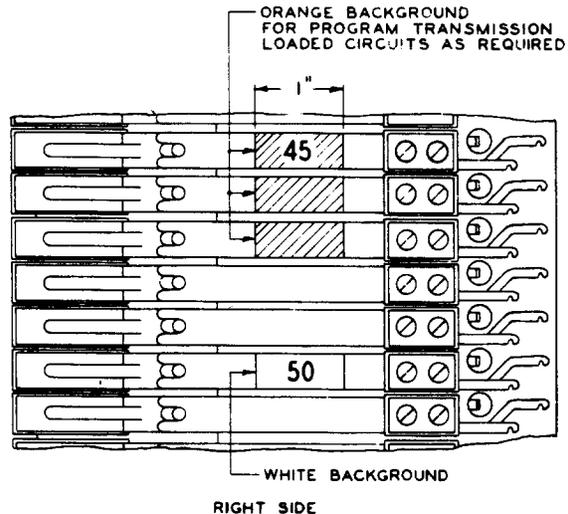
RIGHT SIDE

QUAD DESIGNATIONS

BLACK STRIPE - VOICE FREQUENCY LOADING
OR WHITE STRIPE - CARRIER LOADING
1/16" WIDE ON FANNING STRIP



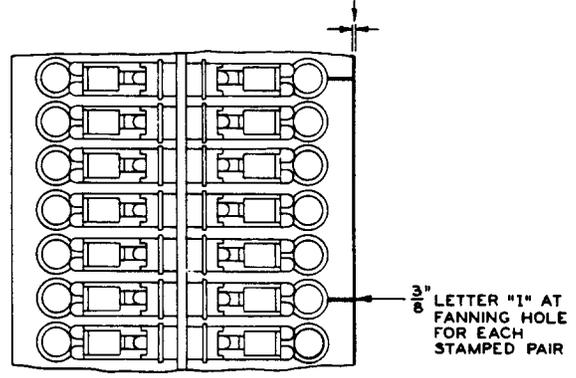
FACE OF FANNING STRIP



RIGHT SIDE

LOADED PAIR DESIGNATIONS

BLACK STRIPE - VOICE FREQUENCY LOADING
OR WHITE STRIPE - CARRIER LOADING
1/16" WIDE ON FANNING STRIP



FRONT VIEW

Fig. 3 - Protectors When Designations for Loading, etc, Are Required - MDF, CDF, and Protector Frames

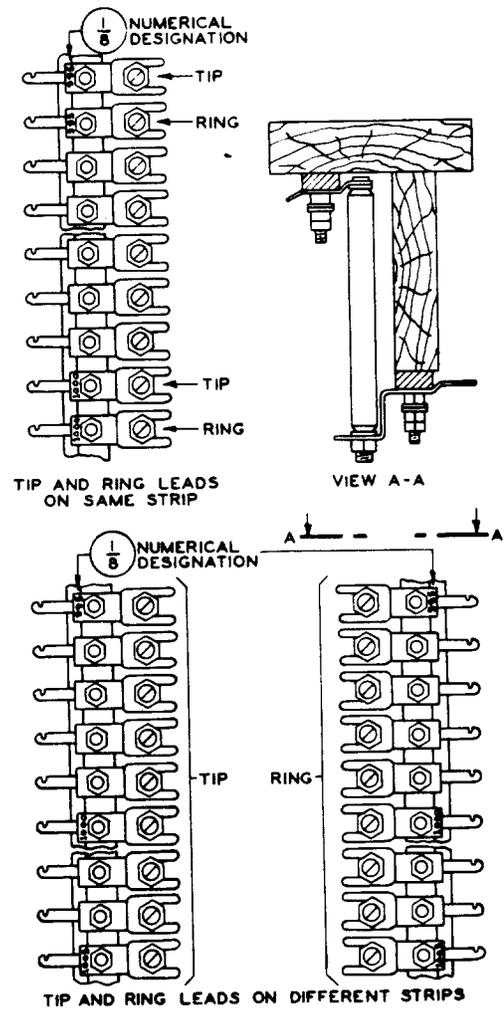


Fig. 4 - Protectors — 1078 and Similar Types — MDF

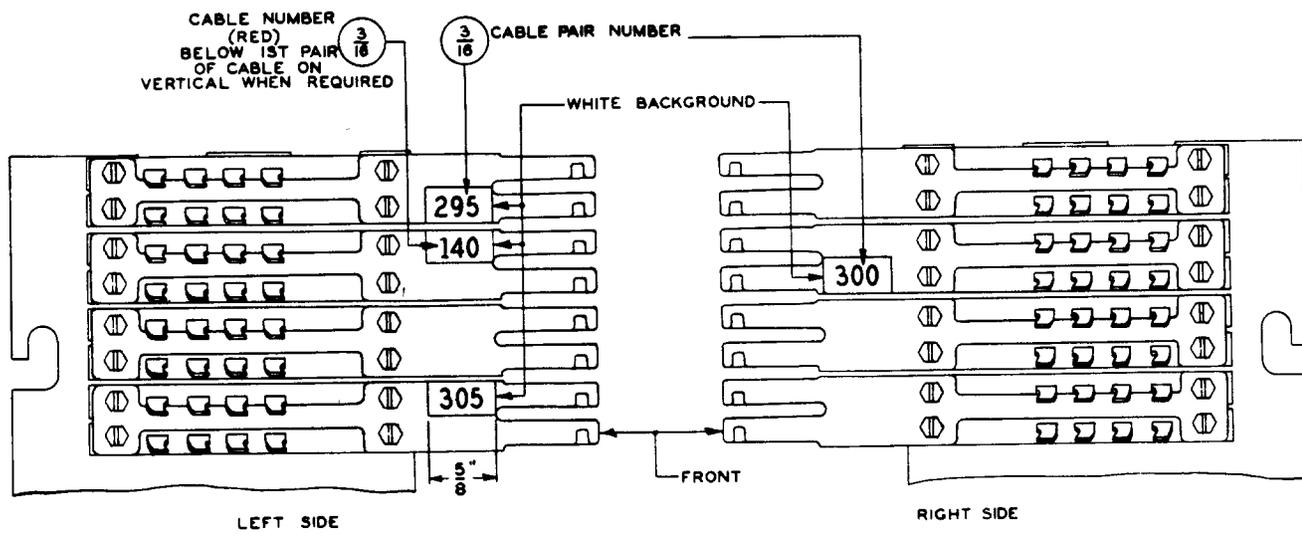


Fig. 5 - Jacks — 444A and Similar Types — MDF

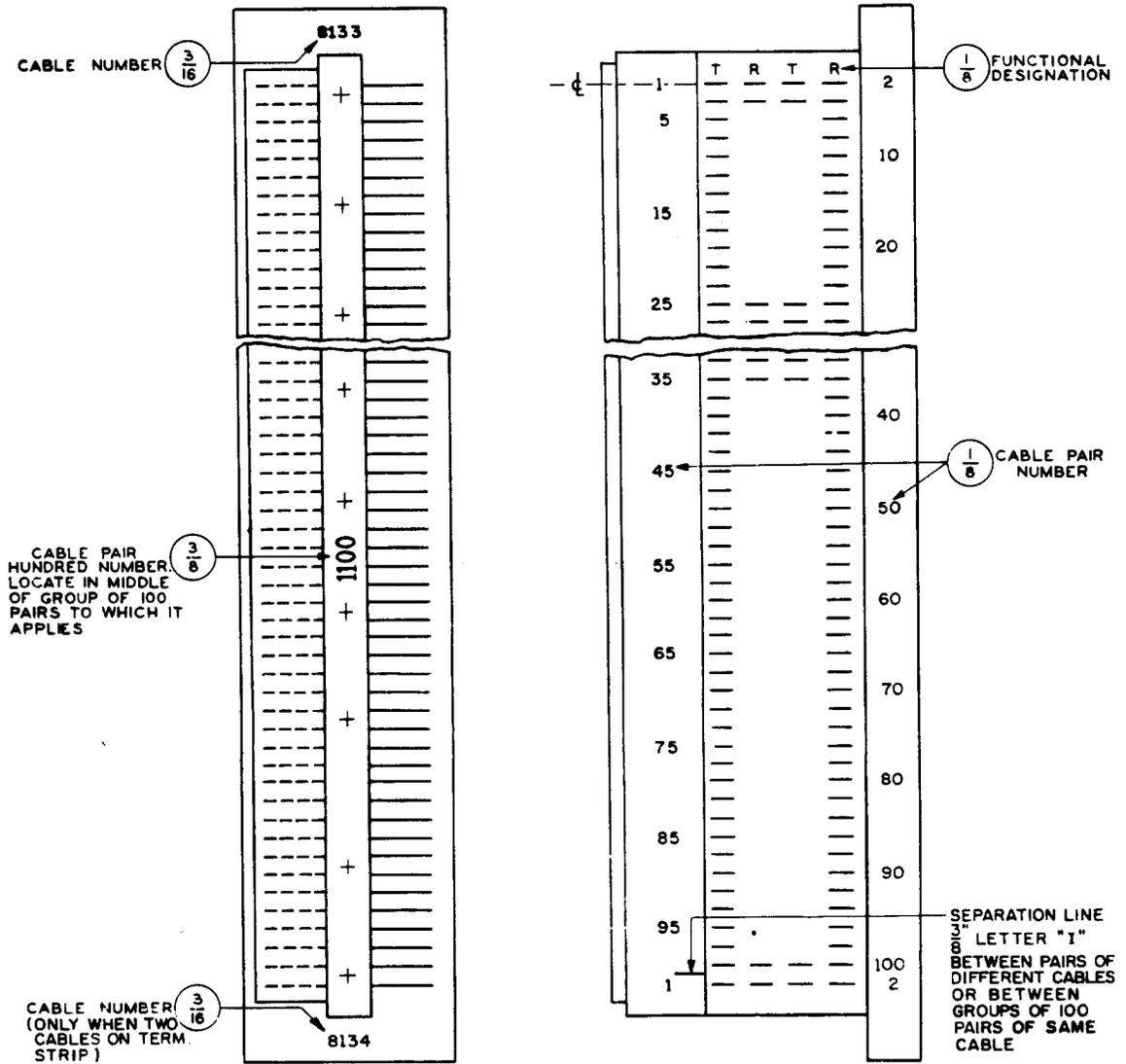


Fig. 6 - Terminal Strips — For Cable Pairs of Outside Cables and for Tie Cables From Distributing Frames to Protector Frames or Between Protectors and Terminal Strips on Single-sided CDF

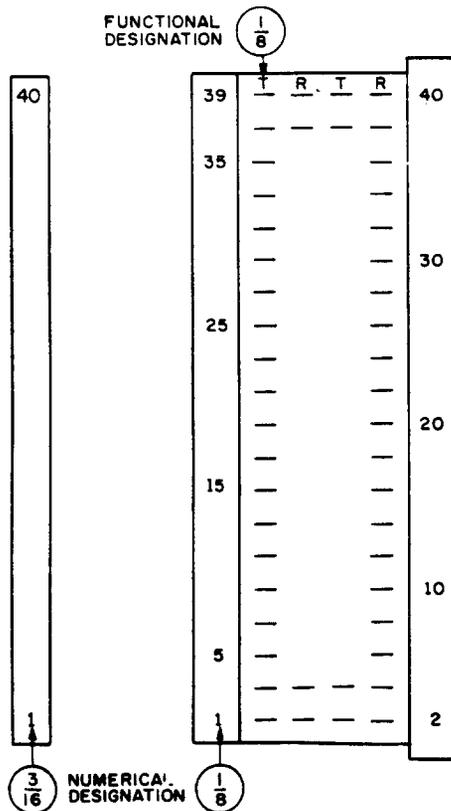


Fig. 7 — Terminal Strips — For Tie Cables and Cable Pairs Not Terminating Directly on Protectors

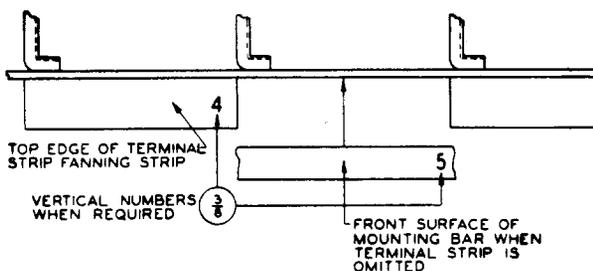


Fig. 8 — Vertical Numbers on Top Edge of Horizontal Terminal Strips — MDF, Double-sided CDF, and TDF

2.08 Terminal Strips for Subscriber Line Circuits: Designate as outlined below for the respective systems.

(a) **Manual:** Stamp group designation (hundred number 0, 9, 10, 99, 100, etc) on the face of the terminal strip clamping strip in the middle of each group of 100 lines when all terminal strips for a group are on the same shelf. (See Fig. 9.) When terminal strips for the group are on different shelves, as for No. 12 manual, stamp group designations on each terminal strip. (See Fig. 10.)

(b) **Panel**

(1) **When subscriber multiple terminates on HMDF,** stamp the group designation (hundred number), preceded (in multiunit offices) by the office code, on the face of the terminal strip clamping strip in the middle of each group of 100 lines. Typical designations (with office code): BA7-00, BA7-01, etc, to BA7-99. (See Fig. 11, 12, and 13.) Also, on main distributing frames only, stamp similar designations (office code only in case of Fig. 13 which requires group designations on the side of all sets of terminal strips) on the top edge of the terminal strip fanning strip in the center of each group of 100 lines, on the bottom shelf, and on the first shelf above the mezzanine platform (when furnished).

(2) **When line relay equipment terminates on HMDF,** stamp the group designation (line relay bay number 1, 2, etc) on the face of the terminal strip clamping strip for each group of 100 line relays (0-99, 100-199, 200-299, 300-399). (See Fig. 11, 12, and 13.) Also stamp the line relay bay number on the top edge of the terminal strip fanning strip in the middle of each group of 100 lines, on the bottom shelf, and on the first shelf above the mezzanine platform (when furnished).

(c) **Step by Step and PBX**

(1) **On terminal strips for subscriber multiple,** stamp the group designation (hundred number) preceded (in multiunit offices)

by the office code, on the face of the terminal strip clamping strip in the middle of each group of 100 lines. Also, on main distributing frames only, stamp applicable hundred number with office code (in multi-unit offices) on the top edge of the terminal strip fanning strip in the middle of each group on the bottom shelf. (See Fig. 11.) Typical designations (with office code):

7-digit office — BA7-00, BA7-01, etc,
to BA7-99
6-digit office — BL-00, BL-01, etc,
to BL-99
5-digit office — 2-00, 2-01, etc, to
2-99

(2) **On terminal strips for line relay equipment**, stamp the group designation (line relay group number G1, G2, etc) on the face of the terminal strip clamping strip in the middle of each group of 100 line relays (0-99 and 100-199). Also, on main distributing frames only, stamp applicable line relay group number on the top edge of the terminal strip fanning strip in the middle of each group on the bottom shelf. (See Fig. 11.)

(d) **No. 1 Crossbar**: Stamp the group designation (line link column number 00, 01, etc, 100, 101, etc) on the face of the terminal strip clamping strip and on the top edge of the terminal strip fanning strip in the middle of each group of 100 lines, except that when a mezzanine platform is furnished, stamping of the group designation on the fanning strip shall be omitted on the ninth shelf from the floor. (When 231-type terminal strips are used, group designations are required on the top for all groups as shown in Fig. 13.) Also, on the top edge of the fanning strips, stamp the office code (two codes where all line link column numbers are common to two offices) with the column numbers of the first, fourth, seventh, etc, and last groups of terminals 100 lines wide, on the fourth shelf above the floor and on the fourth shelf above the mezzanine platform (when furnished). When some of the line link column numbers are associated with one office code only and others with two codes,

stamp the office code or codes with each column number. (See Fig. 11, 12, and 13.)

(e) **No. 5 Crossbar**: The tip and ring leads of subscriber lines terminate on one set of terminal strips and the sleeve leads, as required, on another set.

(1) **The terminal strips carrying the tip and ring leads** for each line link frame are arranged on successive shelves with each shelf carrying leads for all vertical groups of each line link frame. On these terminal strips, stamp the line link frame number in the middle of the first and last sets of terminal strips of each group connecting to each line link frame and stamp a group separation stripe for each group. (See Fig. 14, 15, and 16.)

(2) **Terminal strips, as required for the sleeve leads** for each line link frame, are arranged on one shelf. The line link frame number shall be stamped in the middle of the group of terminals serving the respective frames as shown in Fig. 17, 18, 19, and 20. Fig. 17 and 18 show one sleeve terminal per circuit for part of the circuits on each line link frame. Fig. 19 and 20 show two sleeve terminals per circuit for all of the circuits of a line link frame. Only the required number of sleeve terminals are provided and stamping may be required for one or two sleeve terminals for some or all of the circuits of a line link frame. Actual stamping shall agree with applicable portions of Fig. 17, 18, 19, and 20.

2.09 Terminal Strips for Outgoing Trunk, Toll Line, Toll Line Answering Jack, etc, Multiples: Stamp the outgoing trunk panel (hundred) number of regular panel number (T0, T1, etc; 0, 1, etc; or PAN 1, PAN 2, etc) as required, in the middle of, or on first and last terminal strips of each set of terminals as shown in Fig. 21. Also stamp the group designation on the first and last terminal strip of each group and, if the group occupies more than six bays, stamp on the intermediate strips too, so that there will be no more than four adjacent bays with terminal strips which do not carry the group designation.

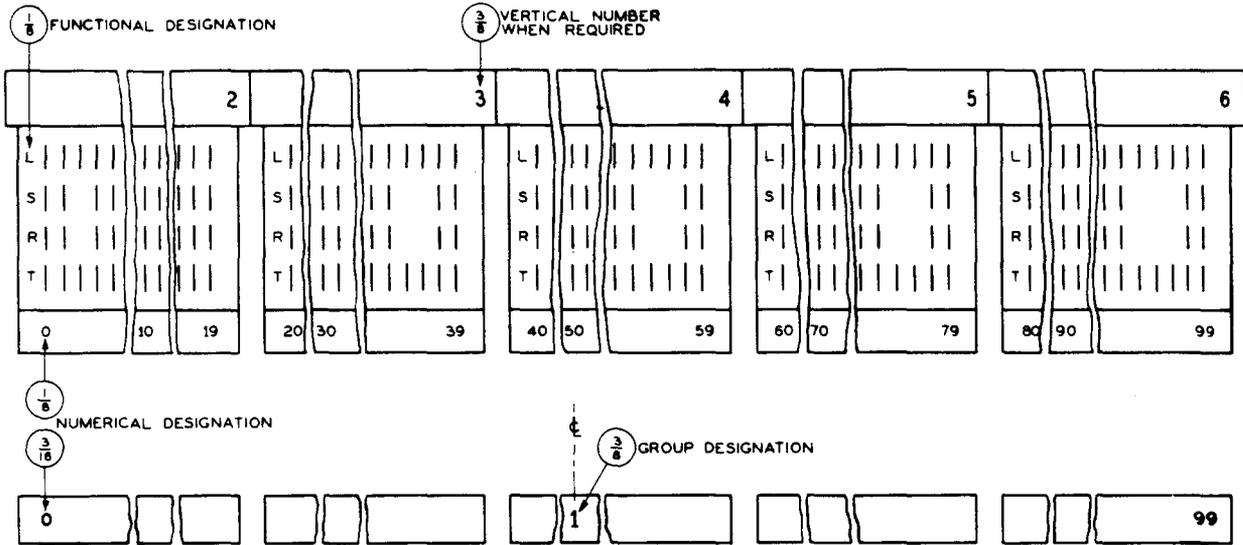


Fig. 9 - Terminal Strips — 150AE, 150AJ, and Similar Types — Subscriber Lines — Manual MDF and CDF

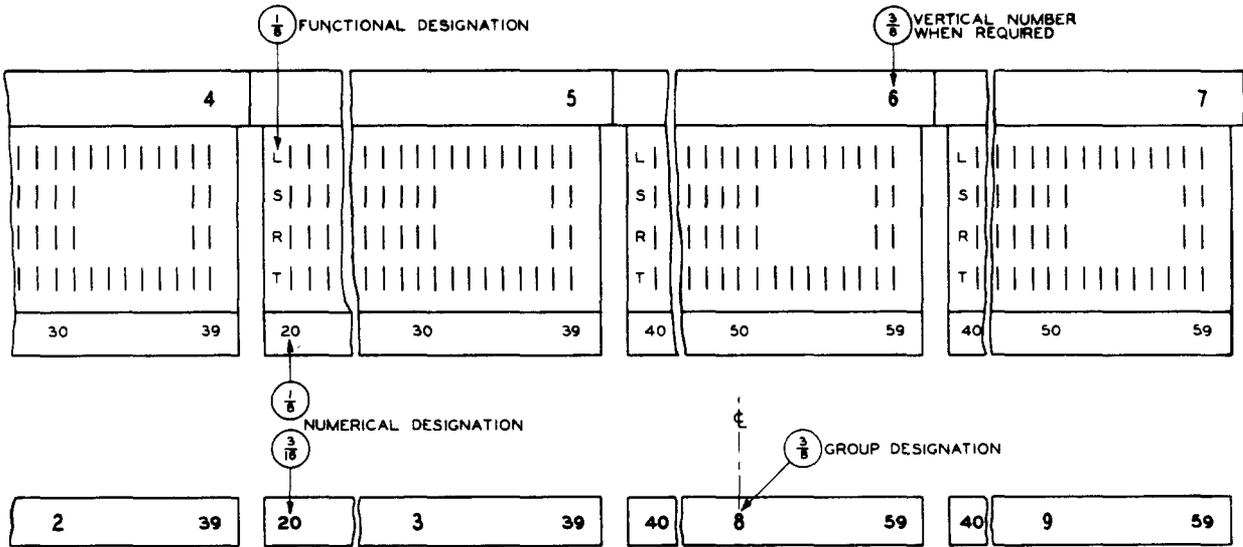


Fig. 10 - Terminal Strips — 178AB and Similar Types — Subscriber Lines — No. 12 Manual MDF

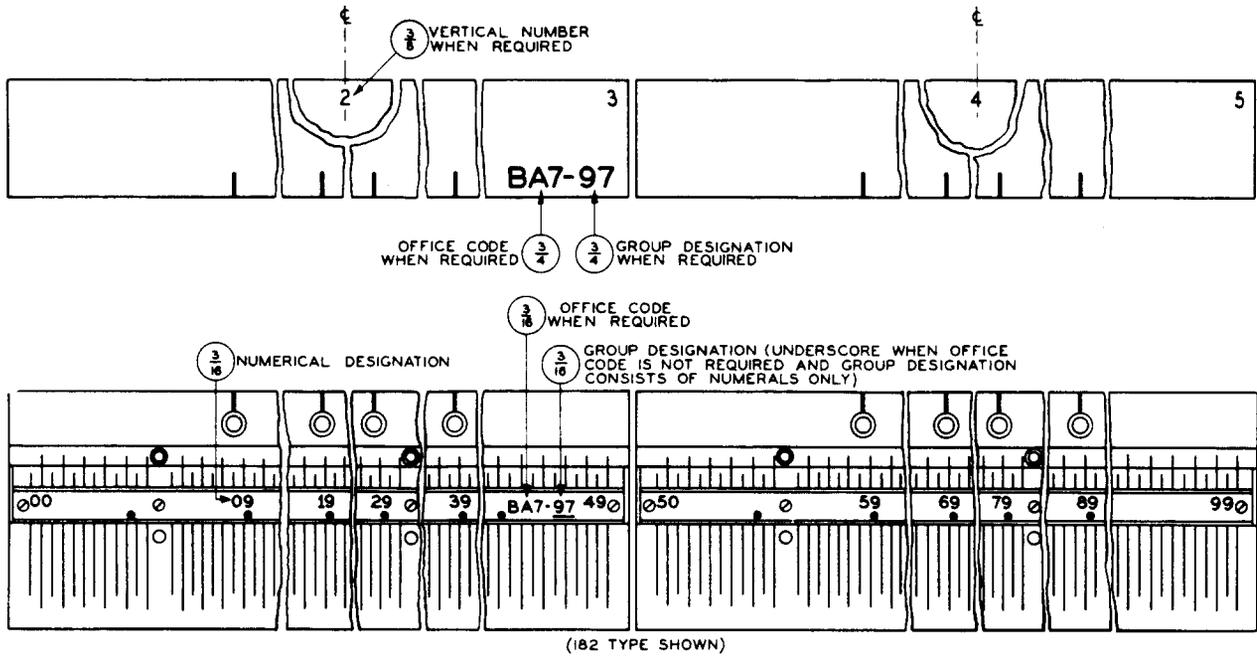


Fig. 11 - Terminal Strips - 65, 182, and Similar Types - Subscriber Lines - Panel, Step by Step, PBX, and No. 1 Crossbar MDF

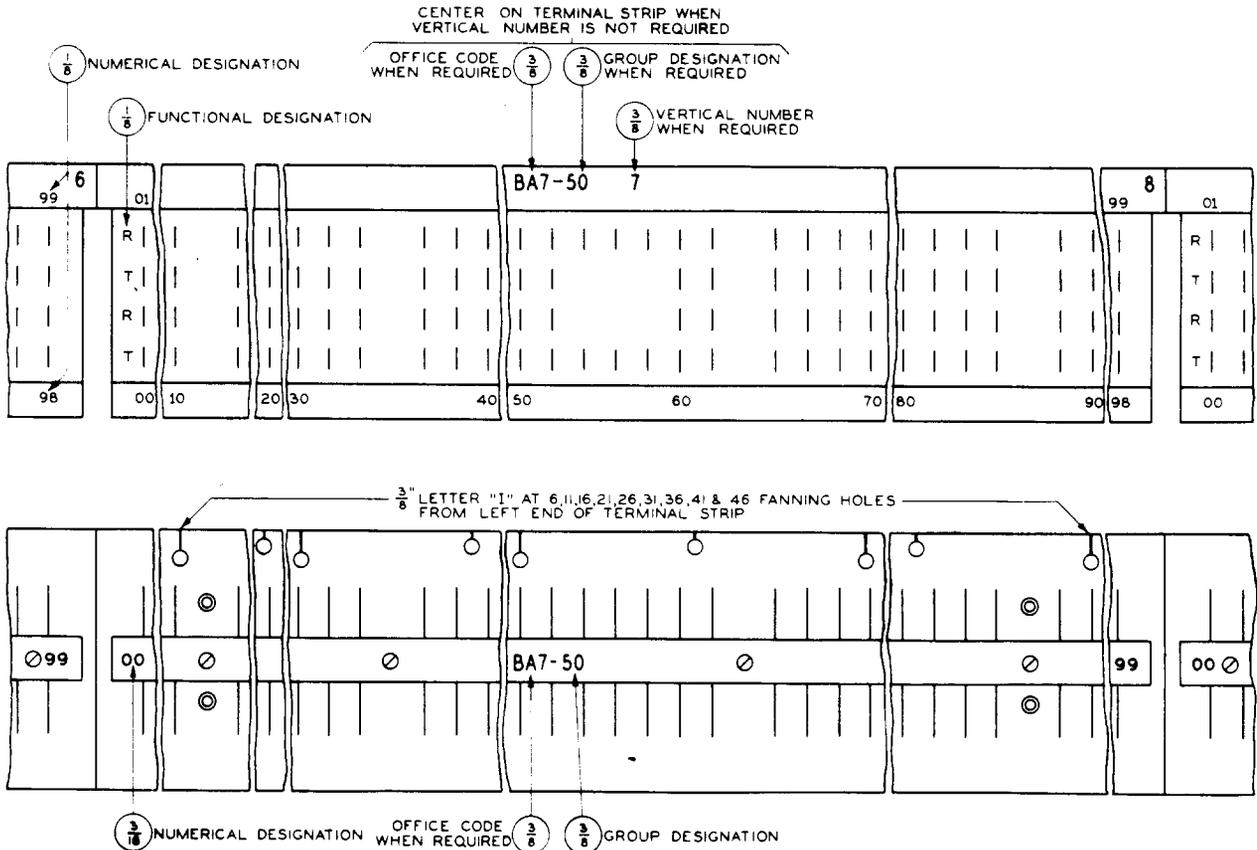


Fig. 12 - Terminal Strips - 183 and Similar Types - Subscriber Lines - Panel and No. 1 Crossbar MDF

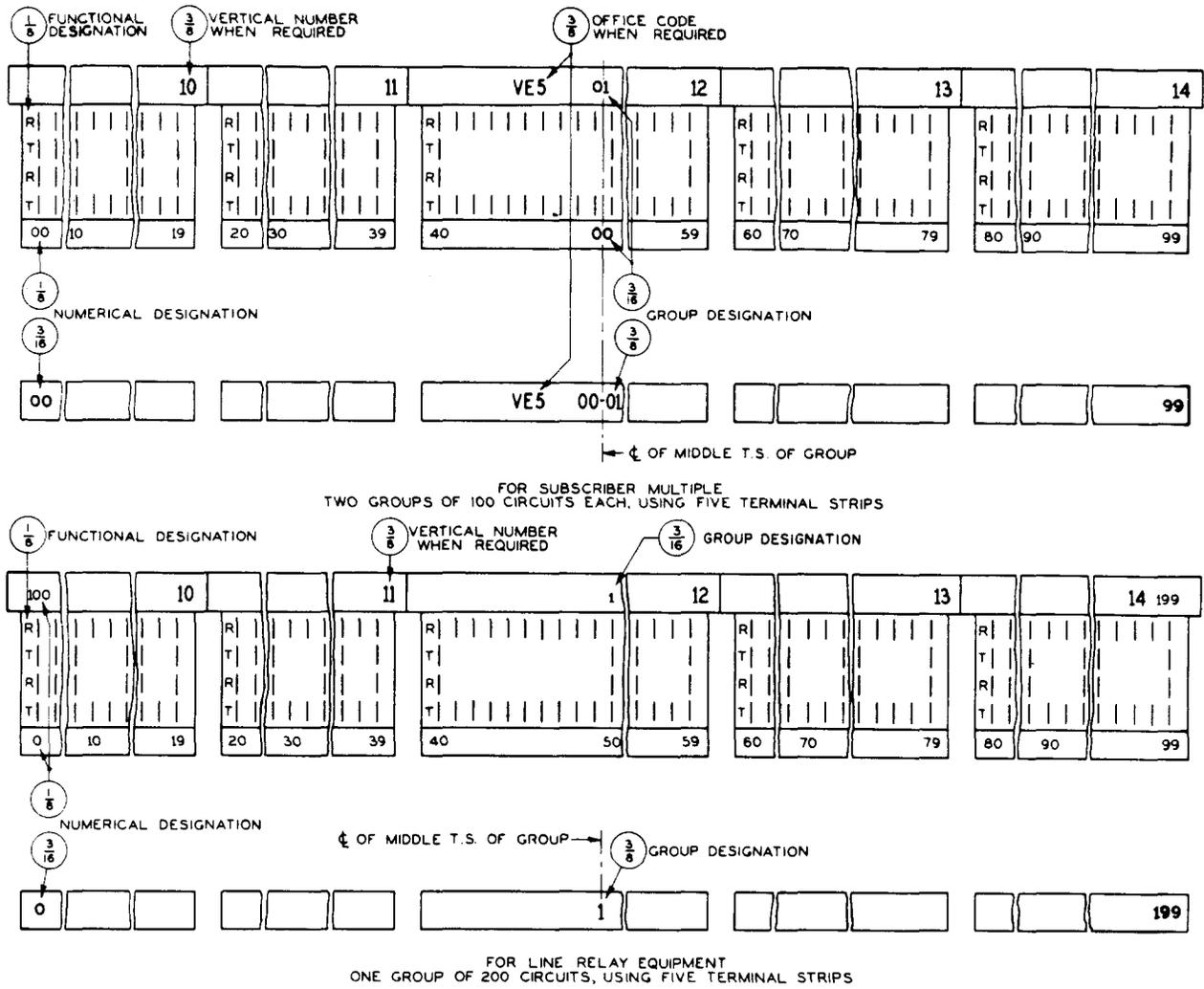


Fig. 13 - Terminal Strips - 231 and Similar Types - Subscriber Lines - Panel and No. 1 Crossbar MDF

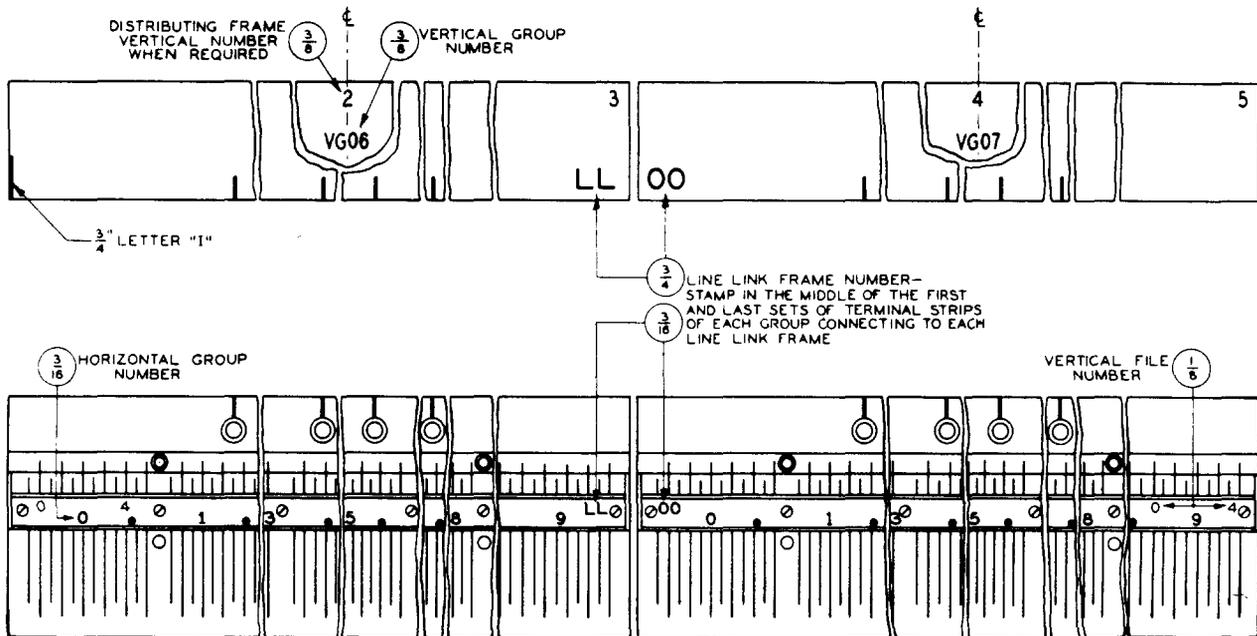


Fig. 14 - Terminal Strips - 182 and Similar Types - Subscriber Lines, Tip and Ring Leads - No. 5 Crossbar MDF

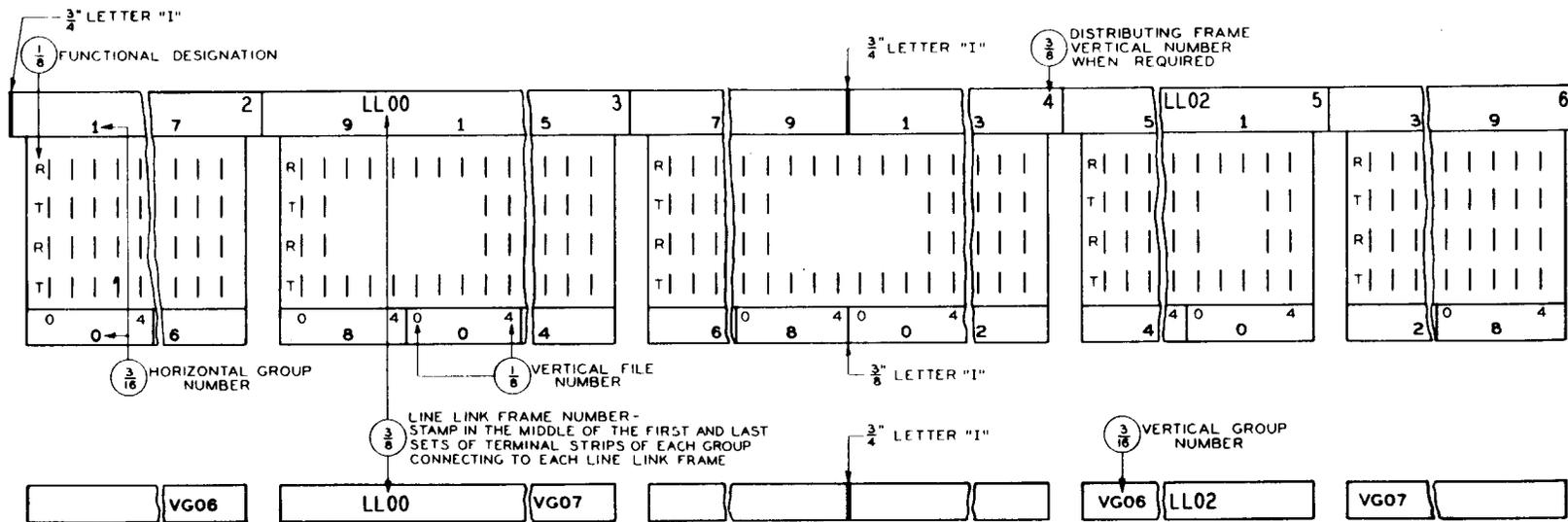


Fig. 15 - Terminal Strips - 231 and Similar Types - Subscriber Lines, Tip and Ring Leads - No. 5 Crossbar MDF

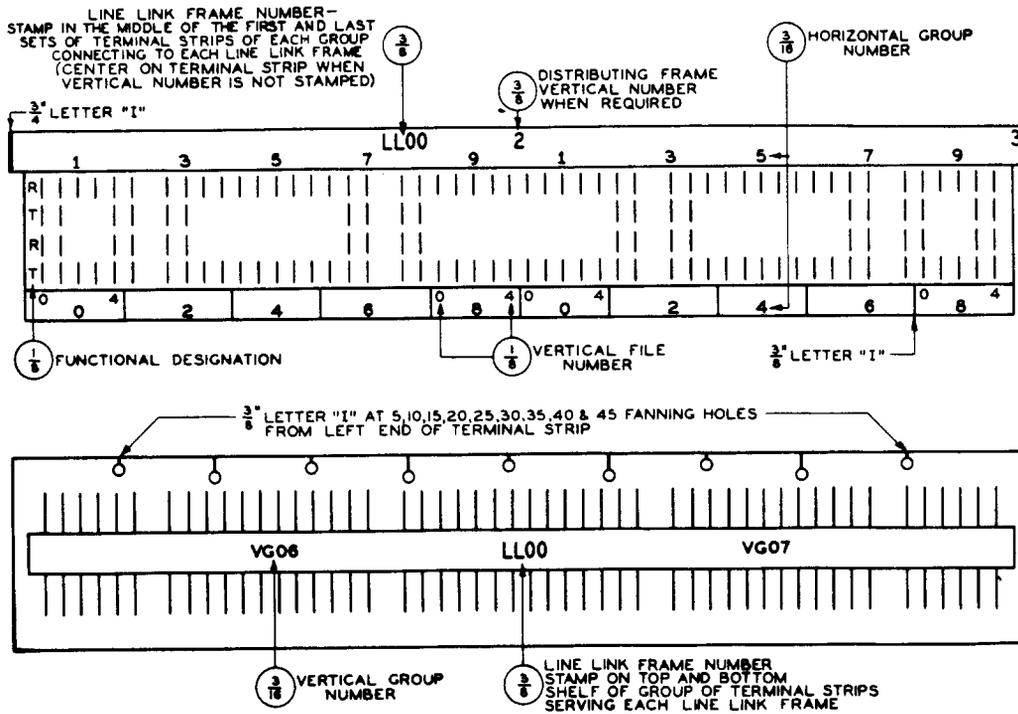


Fig. 16 — Terminal Strips — 183 and Similar Types — Subscriber Lines, Tip and Ring Leads — No. 5 Crossbar MDF

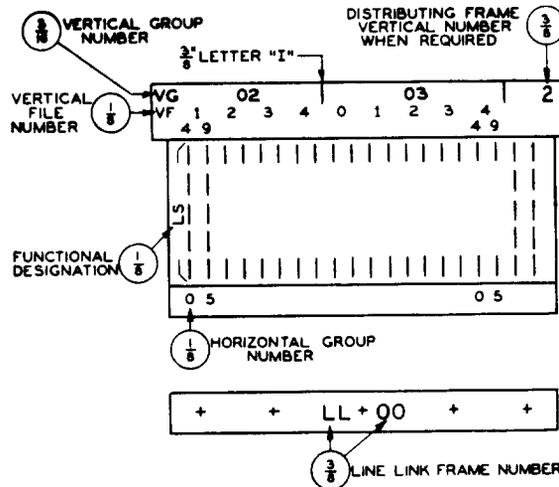


Fig. 17 — Terminal Strips — 268C and Similar Types — Subscriber Lines, Sleeve Leads (One Terminal per Circuit) — No. 5 Crossbar MDF

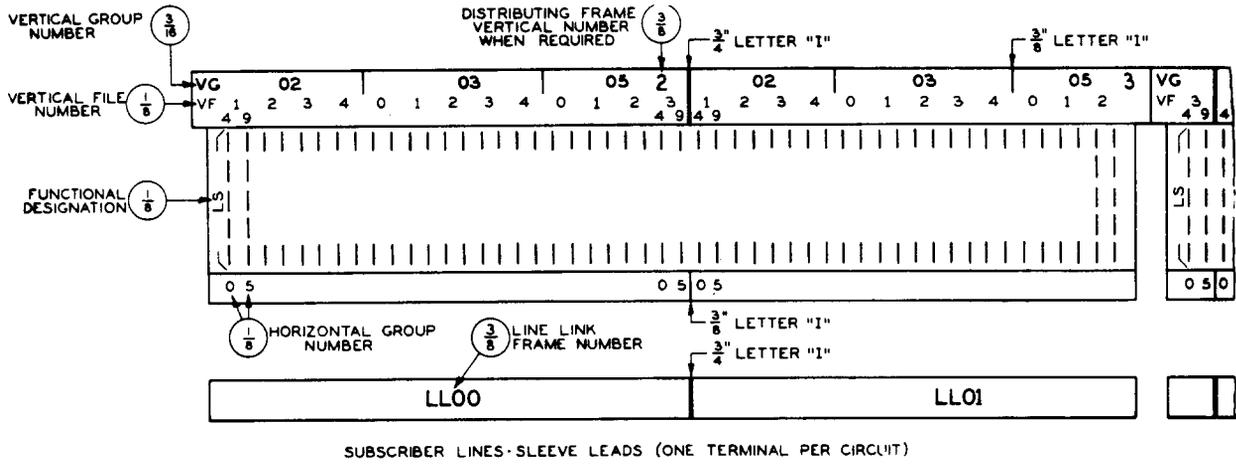


Fig. 18 — Terminal Strips — 183 and Similar Types — Subscriber Lines, Sleeve Leads (One Terminal per Circuit) — No. 5 Crossbar MDF

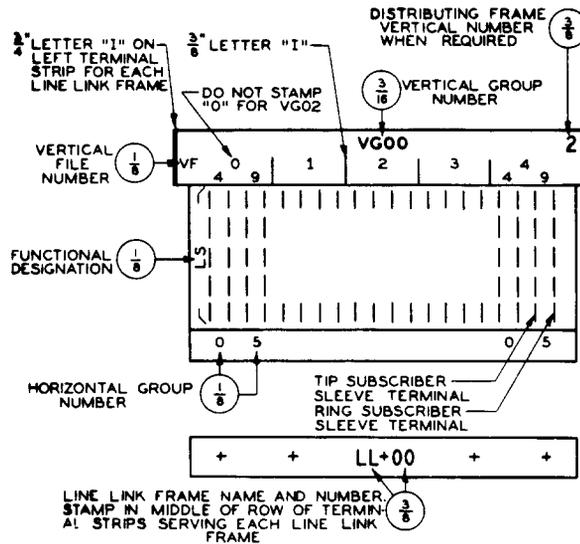


Fig. 19 — Terminal Strips — 268C and Similar Types — Subscriber Lines, Sleeve Leads (Two Terminals per Circuit) — No. 5 Crossbar MDF

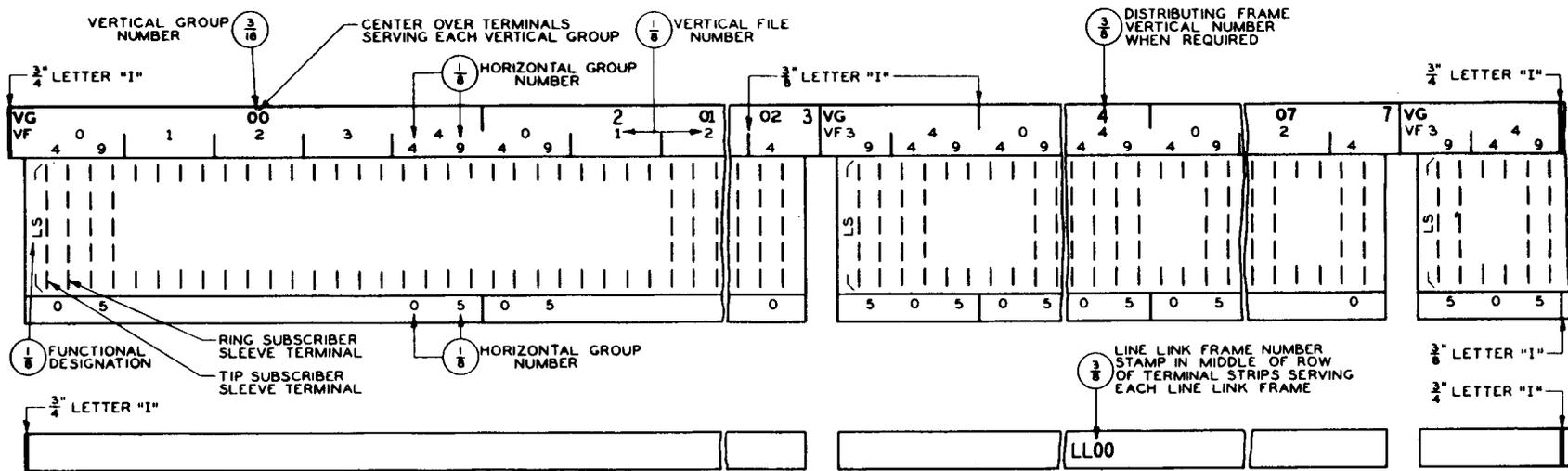
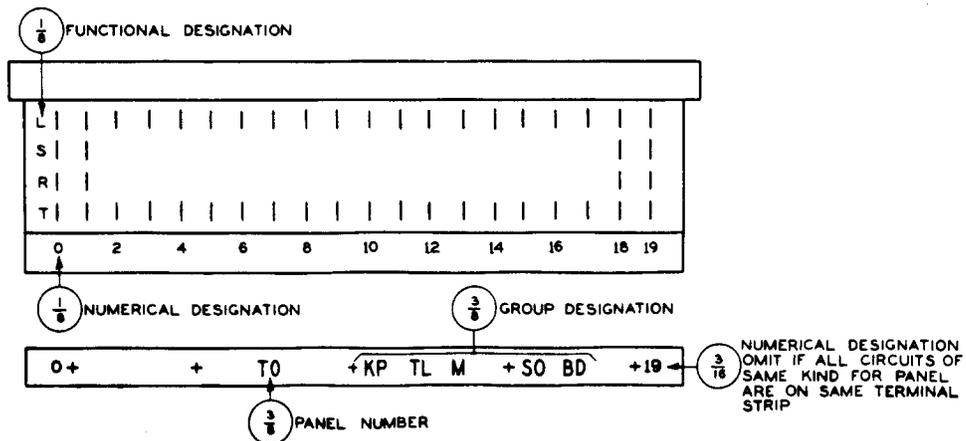
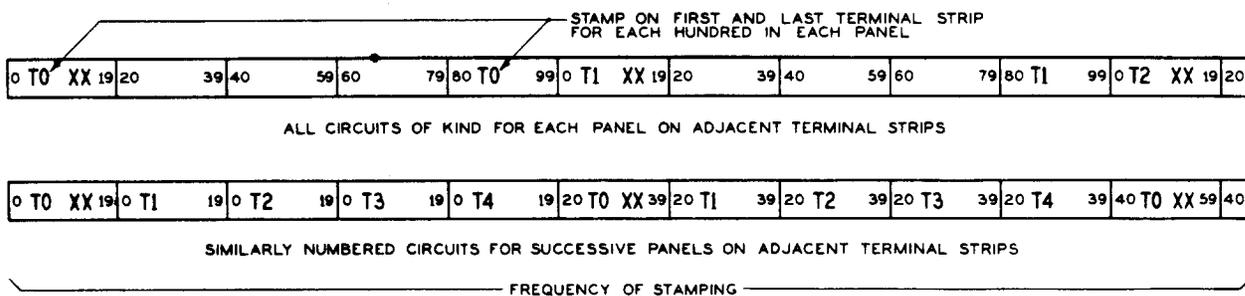
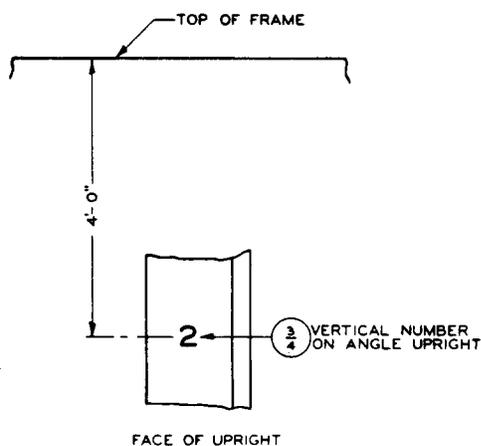


Fig. 20 - Terminal Strips - 183 and Similar Types - Subscriber Lines, Sleeve Leads (Two Terminals per Circuit) - No. 5 Crossbar MDF



**Fig. 21 - Terminal Strips — 150AD, 150AE, 150AJ, and Similar Types — For
 ●●T, Toll Line, Toll Line Answering Jack, etc, Multiples**



**Fig. 22 - Single-sided Combined
 Distributing Frames**

C. Single-sided Combined Distributing Frames

2.10 On each angle upright of the frame, stamp the applicable vertical number as shown in Fig. 22.

2.11 Protectors shall be stamped, in accordance with 2.03, with cable numbers and cable pair numbers or, when only one cable enters the office, with pair numbers only.

2.12 On filters, stamp cable pair numbers as shown in Fig. 23.

2.13 Terminal strips shall be designated as follows:

(a) For house cable and trunks, cables associated with filters or tip cables associated with program circuits, stamp cable numbers

→ and cable pair numbers or when there is only one cable, pair numbers only. (See Fig. 24.)

(b) For line relay equipment, stamp the group designation (line group number LG1, LG2, etc) on the face of the terminal strip clamping strip in the middle of each group of 100 line relays (00-99 and 100-199). (See Fig. 25.)

(c) For connector multiple equipment, stamp the group designation (C3, C4, etc, avoiding C1 and C2 when these designations are used for Code 1 and Code 2 bunching blocks) on the face of the terminal strip clamping strip in the middle of each group of 100 lines. (See Fig. 25.)

(d) For subscriber lines or station lines, stamp the group designation (SUB L or STA L with hundred number 2, 3, etc) on the face of

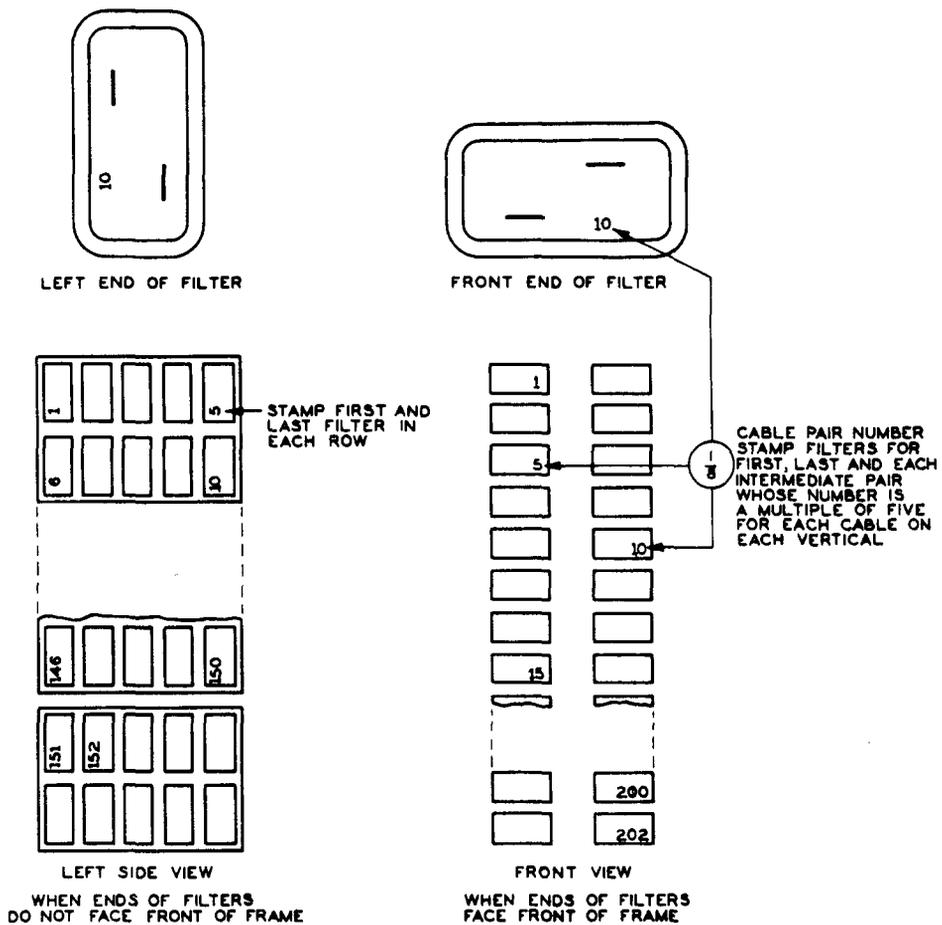


Fig. 23 - Filters on Distributing Frames

the terminal strip clamping strip for each group of 100 lines. (See Fig. 25.)

D. Intermediate Distributing Frames

Vertical Side

2.14 Toll intermediate distributing frames shall be stamped, as shown in Fig. 26, in accordance with the following:

(a) **Vertical Number:** Stamp on the seventh terminal strip from the floor on each vertical. When the seventh terminal strip is not equipped, stamp on the sixth, if furnished, otherwise on the mounting lug for the sixth and seventh terminal strips. When frame serves local as well as toll, stamp vertical numbers on local portion of frame also.

(b) **Shelf Letter:** Stamp on each terminal strip on the first, last, and each intermediate vertical whose number is a multiple of five. When 198-type terminal strips which span two shelves are used, stamp shelf letter for lower shelf on bottom edge of terminal strip and shelf letter for upper shelf in the middle of terminal strip. The vertical number shall be stamped on the bottom edge of the fourth terminal strip from the floor.

2.15 Terminal Strips for Subscriber Line Circuits: Designate as outlined in (a) and (b) for the respective systems.

(a) **Panel:** For line relay circuits, stamp the group designation (line relay bay number 1, 2, etc) on the face of the clamping strip of the top and bottom terminal strips for each group on each vertical. In addition, stamp the applicable group designation on the sixth terminal strip from the floor on each vertical. (See Fig. 28.)

(b) **Step by Step:** For line relay circuits, stamp the group designation (line group number G1, G2, etc) on the face of the clamping strip of terminal strips as follows. (See Fig. 28.)

(1) For line groups complete on a vertical and unbroken by bunching blocks, stamp on sixth terminal strip from the floor.

(2) For line groups divided into two parts by bunching blocks, stamp on terminal strips adjacent to the top and bottom bunching blocks.

(3) For arrangements other than those in (1) and (2), stamp on the top and bottom terminal strips for each group on each vertical. In addition, stamp the applicable group designation on the sixth terminal strip from the floor on each vertical.

2.16 Terminal strips for toll intermediate distributing frame tie cables shall be stamped in a manner similar to those for cables at main distributing frames, as covered in 2.04, except that the tie cable number is stamped instead of the outside cable number as covered therein.

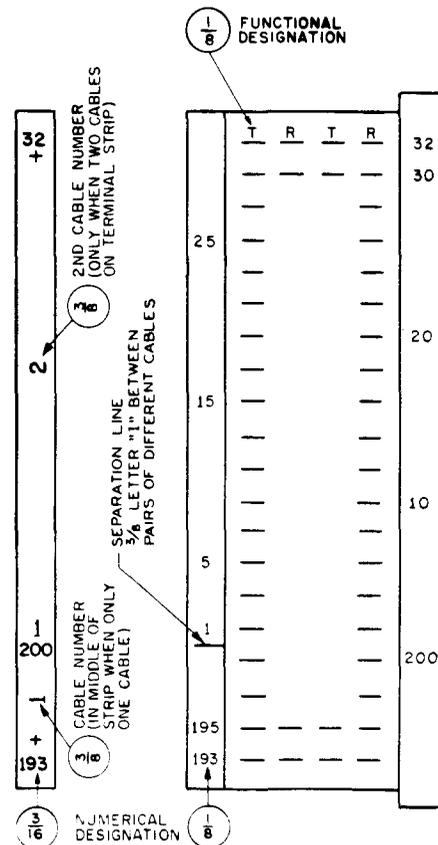


Fig. 24 – Terminal Strips — For House Cables and Trunks or When Associated With Filters

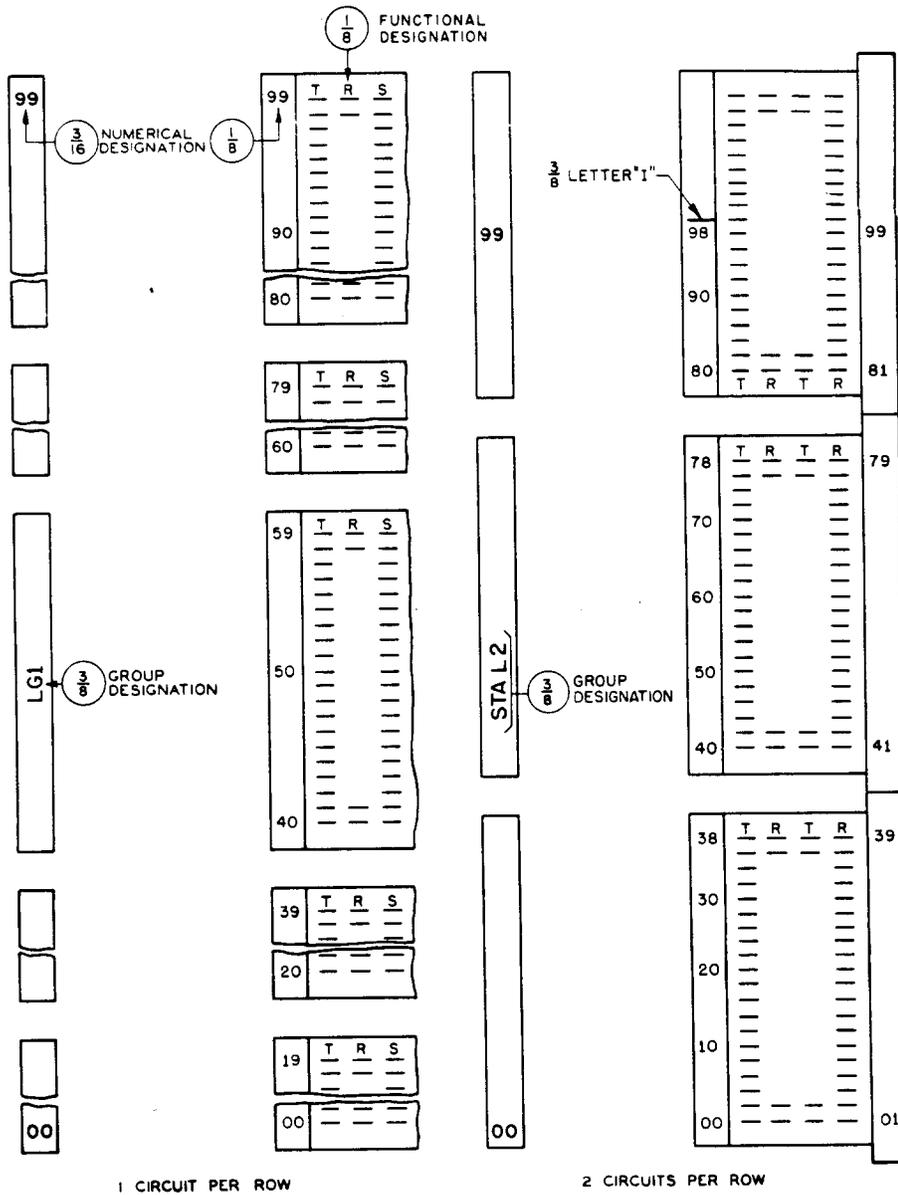


Fig. 25 - Terminal Strips - Subscriber Lines - Step-by-Step CDF

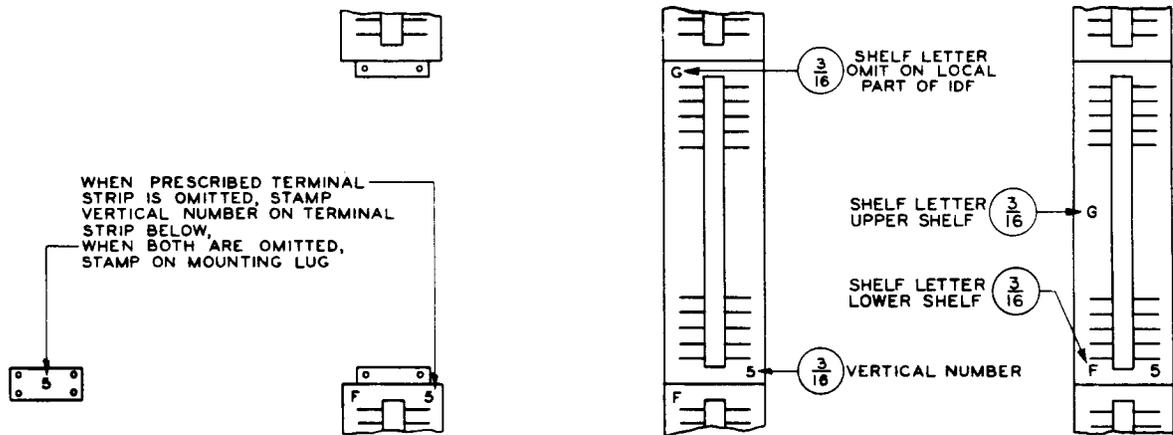


Fig. 26 - Frame Vertical Numbers and Shelf Letters - Vertical Side - Toll IDF, Double-sided TDF, TADF, TRDF, CDF Not Equipped With Cable Designation Board, and Local Part of an IDF Serving Both Local and Toll

Horizontal Side

2.17 Toll Intermediate Distributing Frames:

Designate as outlined below, depending upon terminal strip arrangement.

(a) *On frames with horizontally mounted terminal strips*, stamp the following designations on the terminal strips indicated. When a terminal strip is not equipped, stamp on the horizontal stiffening bar, when furnished, otherwise omit stamping. (See Fig. 27.)

(1) *Vertical Number:* Stamp, on each terminal strip on the fourth (D) and tenth (K) shelves from the floor, the number of the frame vertical opposite the right end of the terminal strip. When frame serves local as well as toll, stamp vertical numbers on local portion of frame also.

(2) *Shelf Letter:* Stamp on each terminal strip in the first and last bays and in each intermediate bay which is at the right of verticals whose numbers are multiples of five.

(b) *On frames with vertically mounted terminal strips*, stamp as shown in Fig. 30, in accordance with the following:

(1) *Frame Vertical Number:* Stamp, on the horizontal support bar of the fifth horizontal row (or shelf) from the floor, the number of each vertical. Locate in line with the respective transverse arms except when this space is occupied by a terminal strip,

in which case stamp at the left of the terminal strip. When frame serves local as well as toll, stamp vertical numbers on local portion of frame also.

(2) *Vertical Row Number of Terminal Strips:* Stamp on each terminal strip or dummy block of the fifth horizontal row (or shelf) from the floor.

(3) *Horizontal Row or Shelf Letter:* Stamp on each terminal strip or dummy block of the first, last, and each intermediate vertical row of terminal strips whose number is a multiple of five.

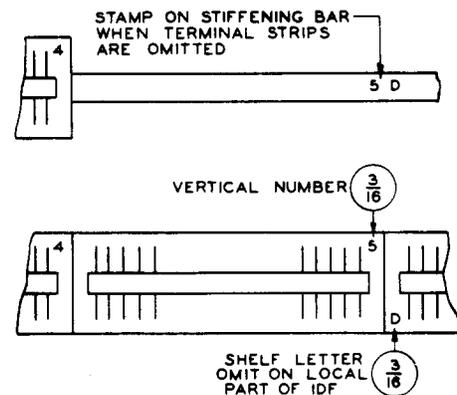


Fig. 27 - Frame Vertical Numbers and Shelf Letters - Horizontal Side - Toll IDF and Local Part of an IDF Serving Both Local and Toll

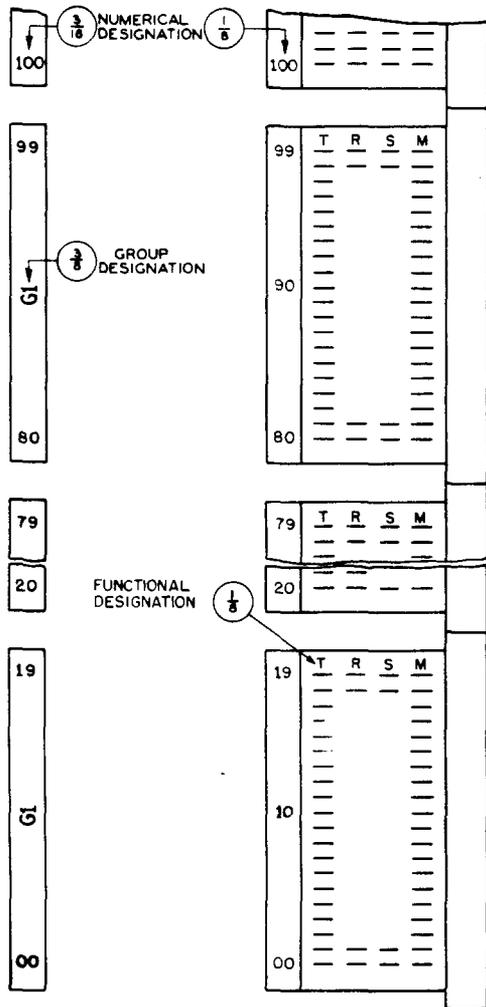


Fig. 28 — Terminal Strips — 150AD, 150AE, 150AY, P4C, and Similar Types — Subscriber Lines — Panel and Step-by-Step IDF

2.18 Local Intermediate Distributing Frames:

Stamp, on each terminal strip on the fourth (D) and ninth (J) shelves, the following designations applying to the opposite vertical and, when 37-type shields are provided, duplicate the fanning strip stamping on the respective shields. When a terminal strip is not furnished, stamp on the stiffening bar.

- (a) **Panel:** Stamp the designation of the group or groups (line relay bay numbers 1, 2, etc) on the terminal strip located immediately to the right of each vertical on which the line group appears. When there are two groups on a vertical, or when a group

occurs on more than one vertical, also stamp the first and last circuit numbers of each group. For each vertical having party line bunching blocks, stamp BB 4P or BB 10P also, as required, with the first and last circuit numbers thereof on the respective verticals. (See Fig. 29.)

- (b) **Step by Step:** Stamp the designation of the line group (G1, G2, etc) on the terminal strip located immediately to the right of each vertical on which the line group appears. For each vertical having party line bunching blocks, stamp BB 4P, BB 8P, or BB 10P also, as required, with the first and last circuit numbers thereof. (See Fig. 29.)

2.19 Terminal Strips for Subscriber Line Circuits in Panel and Step-by-Step Offices:

For subscriber multiple, stamp the group designation (hundred number), preceded (in multi-unit offices) by the office code, on the face of the terminal strip clamping strip in the middle of each group of 100 lines. Typical designations (with 3-digit office code): BA7-00, BA7-01, etc, to BA7-99. (See Fig. 31.)

E. Line Distributing Frames

2.20 Frame base and appliance outlets shall be stamped, as shown in Fig. 32, in accordance with the following:

- (a) Stamp the **subscriber hundred numbers or extra number letters** applying to each vertical.
 - (1) On **single-sided frames**, locate on the frame base at the right of the respective verticals.
 - (2) On **double-sided frames**, locate on the frame base at the horizontal side opposite the distributing rings serving the respective verticals.
- (b) Stamp the **office code** applicable to the respective portions of the frame.
 - (1) On **single-sided frames**, locate on the front-slanted surface of every appliance outlet.
 - (2) On **double-sided frames**, locate on the frame base at the vertical side of the first and last vertical serving the regular and extra numbers of each office.

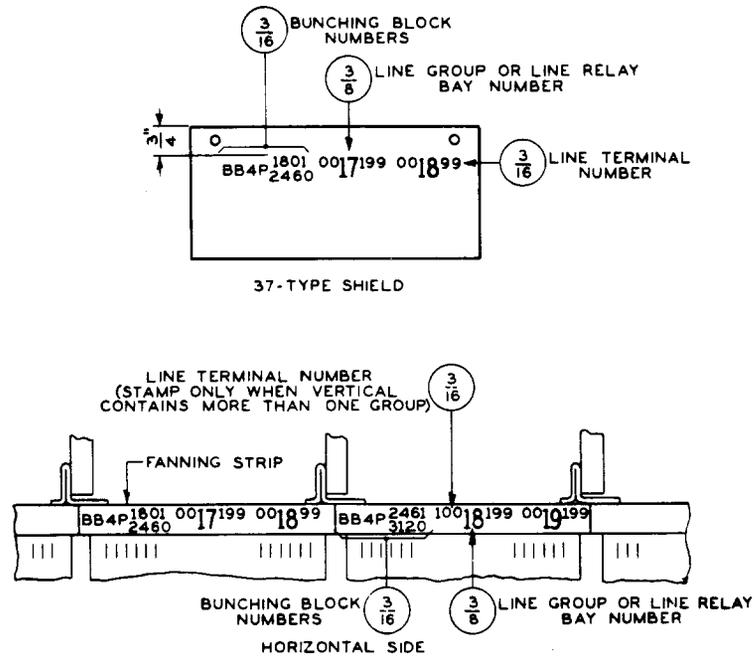


Fig. 29 – Designations Applying to Equipment on Opposite Vertical — Panel and Step-by-Step IDF

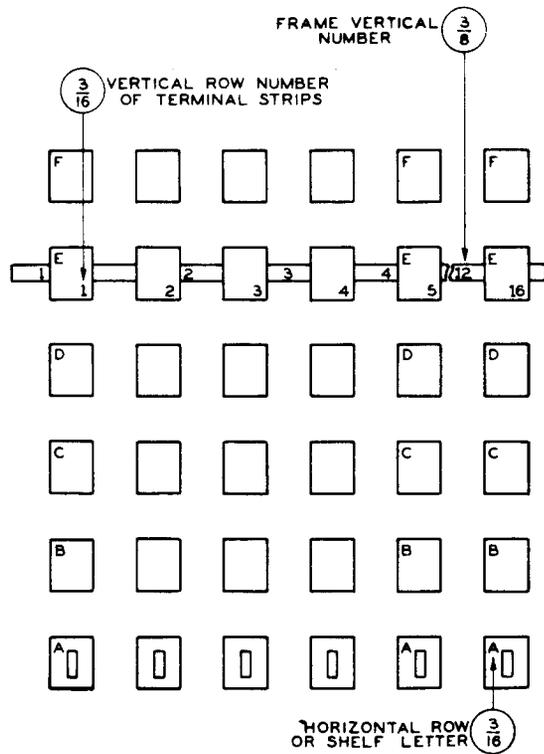


Fig. 30 – Frame Vertical and Terminal Strip Vertical Row Numbers and Shelf Letters — Vertically Mounted Terminal Strips on Horizontal Side — Toll IDF, Double-sided TDF, and TADF

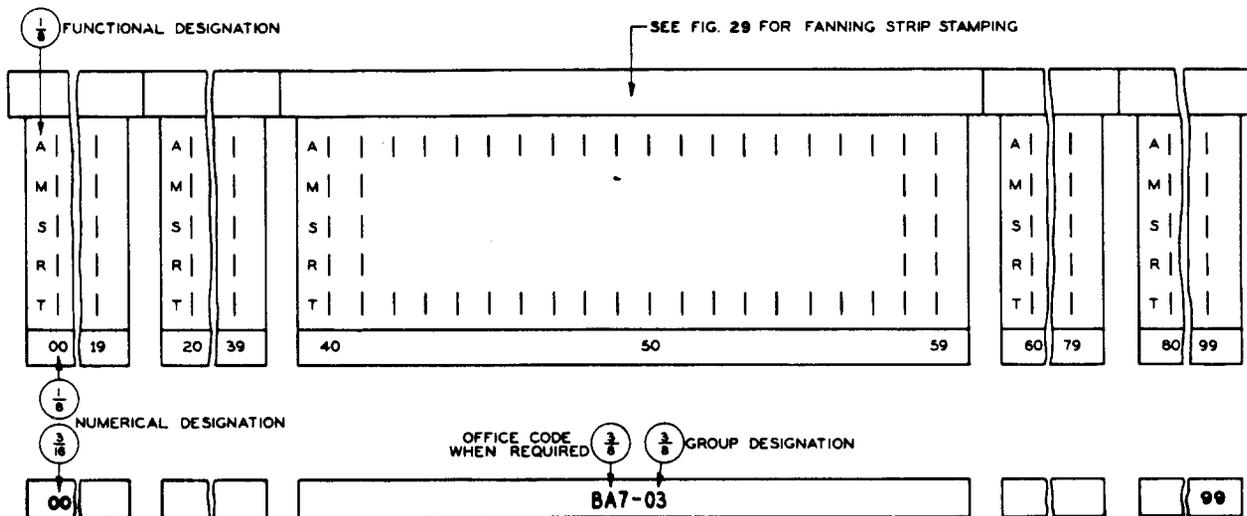


Fig. 31 — Terminal Strips — 178AA, 178AF, 178AG, or Similar Types — Subscriber Lines — Panel and Step-by-Step IDF

2.21 Vertical numbers shall be stamped on the fourth terminal strip from the floor on each vertical, as shown in Fig. 33, except when line distributing frame equipment is located at the main distributing frame and vertical numbers are stamped on cable designation board.

2.22 Terminal strips for subscriber line circuits shall be designated in accordance with the following:

(a) **Subscriber Number (Vertically Mounted)**

Terminal Strips: Stamp the group designation (hundred number 00, 01, etc, to 99; extra number letter A, B, etc; or span of either 00-01, 00-04, A-B, A-D, etc) on the face of the terminal strip clamping strip for each pair of terminal strips. Also, on the first and last verticals serving the regular and extra numbers of an office, stamp the office code for each pair of terminal strips and, when automatic message accounting is used, stamp the lead designation NS on each of these terminal strips. (See Fig. 33.)

(b) **Subscriber Line (Horizontally Mounted)**

Terminal Strips: Stamp the group designation (line link column number 00, 01, etc, or span of line link column numbers 00-01, 00-04, etc) on the face of the terminal strip clamping strip in the middle of each set of terminal strips serving 100 terminals in width. Also, for two or more groups per set of ter-

minal strips, stamp the lower number on the edge of the clamping strip and the higher number on the edge of the fanning strip and, when mounted on main distributing frame, the last two digits of each number at the right end of the row (or two rows) of punchings to which it applies on each terminal strip. (See Fig. 34.)

F. Trunk Distributing Frames

Single-sided Frames

2.23 Vertical Numbers: The number of each vertical (except the one at the extreme left of the frame) shall be stamped at the left of the respective verticals on the top edge of the terminal strip fanning strips on the fourth shelf from the floor. Where terminal strips are omitted, stamp on the face of the stiffening bar. If stiffening bars are not provided, the vertical numbers may be omitted. (See Fig. 8.)

Double-sided Frames

2.24 Vertical Side: Stamp the number of each vertical on the seventh terminal strip from the floor. When the seventh terminal strip is not equipped, stamp on the sixth, if furnished, otherwise on the mounting lug for the sixth and seventh terminal strips. In addition, on toll system frames, stamp the shelf letter on each terminal strip on the first, last, and each intermediate vertical whose number is a multiple of five. (See Fig. 26.)

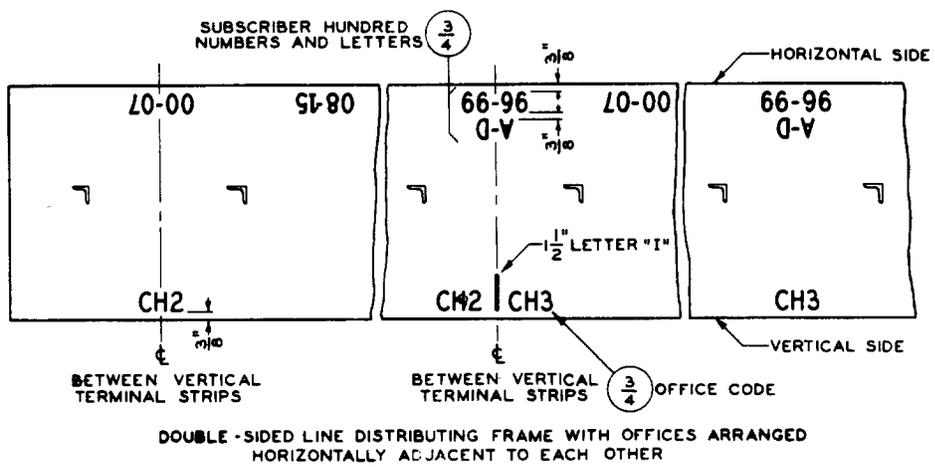
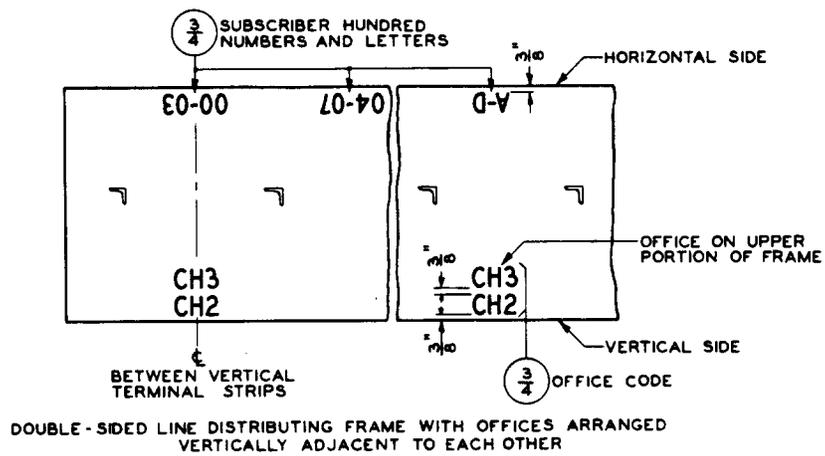
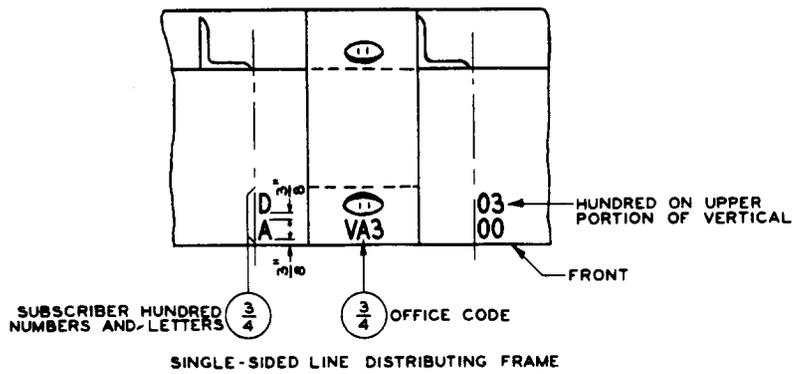


Fig. 32 - Frame Base Stamping - LDF

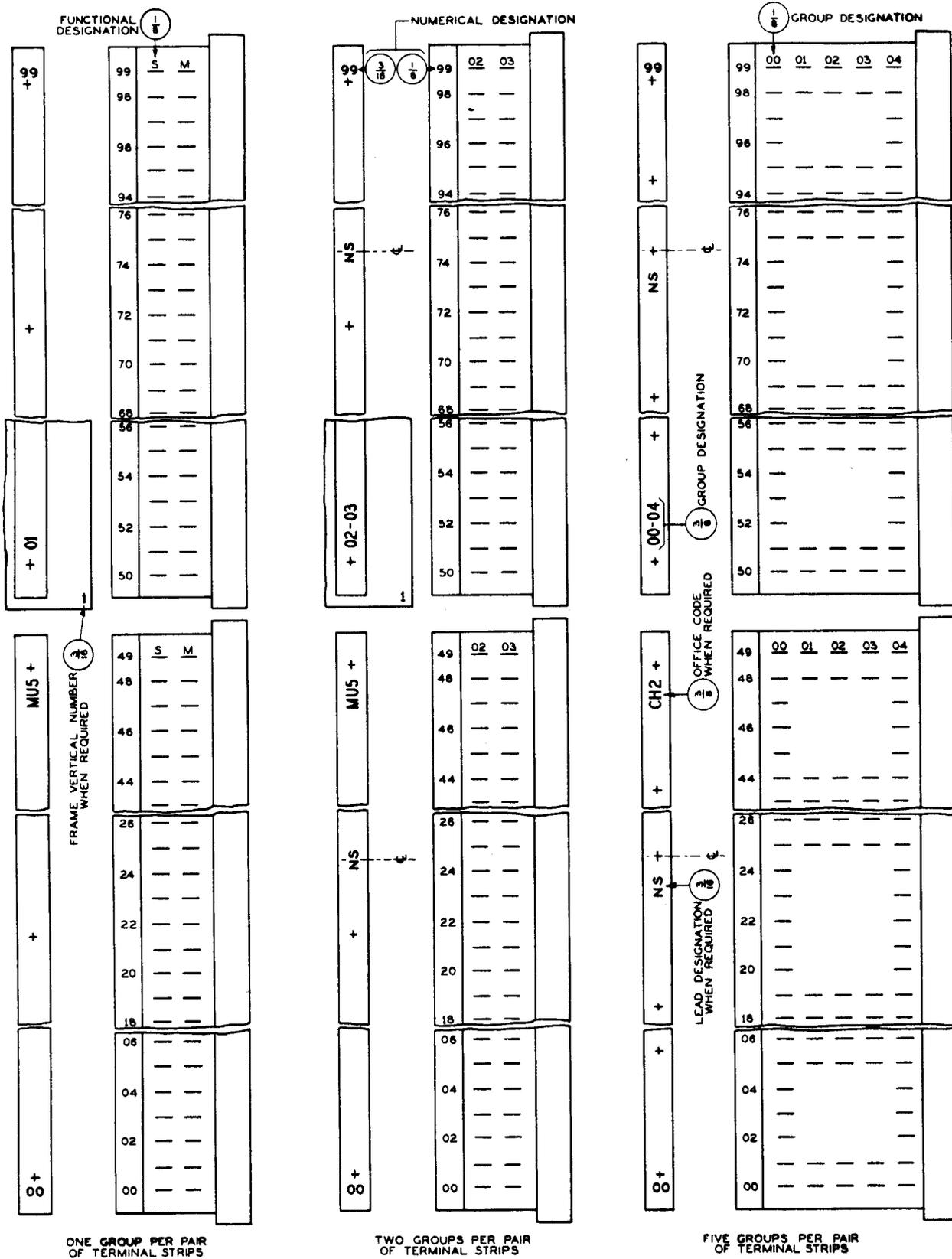


Fig. 33 - Terminal Strips - Subscriber Number - LDF

2.25 Horizontal Side: Designate as outlined below, depending upon terminal strip arrangement.

(a) **On frames with horizontally mounted terminal strips,** stamp the number of each vertical (except the one at the extreme left of the frame) at the left of the respective verticals on the top edge of the terminal strip fanning strips on the fourth and tenth shelves from the floor. Where terminal strips are omitted, stamp on the face of the stiffening bar. If stiffening bars are not provided, the vertical numbers may be omitted. (See Fig. 8.)

(b) **On frames with vertically mounted terminal strips,** frame vertical numbers, vertical row numbers of terminal strips, and horizontal row or shelf letters, shall be stamped as covered for toll intermediate distributing frames in 2.17(b).

Terminal Strips

2.26 Panel: The designation DIST OGT shall be placed on the first and last verticals of that portion of the frame assigned to this equipment at a point as near the vertical center of the frame as practicable. Stamp with 3/8-inch characters on the face of the terminal strip. The designation OFF OGT shall be similarly located.

2.27 Step by Step: On terminal strips for line finders, stamp the line finder frame number (LF 1, etc) with 3/8-inch characters on the top edge of the terminal strip fanning strip in the middle of the set of terminal strips serving the various groups on each line finder frame.

2.28 Toll: On terminal strips for link frame trunks, stamp the group designation (link frame name and number TCO 0, TCI 0, ITO 0, ITI 0, etc) on the face of the terminal strip clamping strip of the first, last, and each intermediate terminal strip whose number is a multiple of five, for each group on each shelf. In numbering link frame trunks, the first digit represents the bay number, the second digit the switch number, and the third digit the level number. (See Fig. 35.)

G. Trunk Assignment Distributing Frames

Vertical Side

2.29 Vertical numbers and shelf letters shall be stamped as covered for toll intermediate distributing frames in 2.14.

Horizontal Side

2.30 Frame vertical numbers, vertical row numbers of terminal strips, and horizontal row or shelf letters shall be stamped as covered for toll intermediate distributing frames in 2.17(b).

H. Traffic Register Distributing Frames

2.31 Vertical numbers shall be stamped on the face of the fanning strip of the top vertical terminal strip of each vertical as shown in Fig. 26.

2.32 Terminal Strips for Various Services (Vertically Mounted): Stamp the group designation (RO OGT OFL, TDM TRK PB, etc) on the face of the terminal strip clamping strip in the middle of the top and bottom terminal strip (or portion thereof) for each group on each vertical.

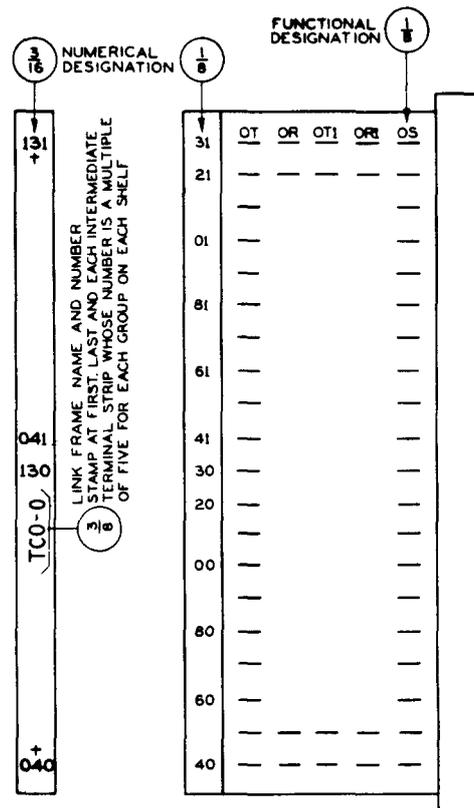


Fig. 35 - Terminal Strips - Link Frame Trunks - TDF

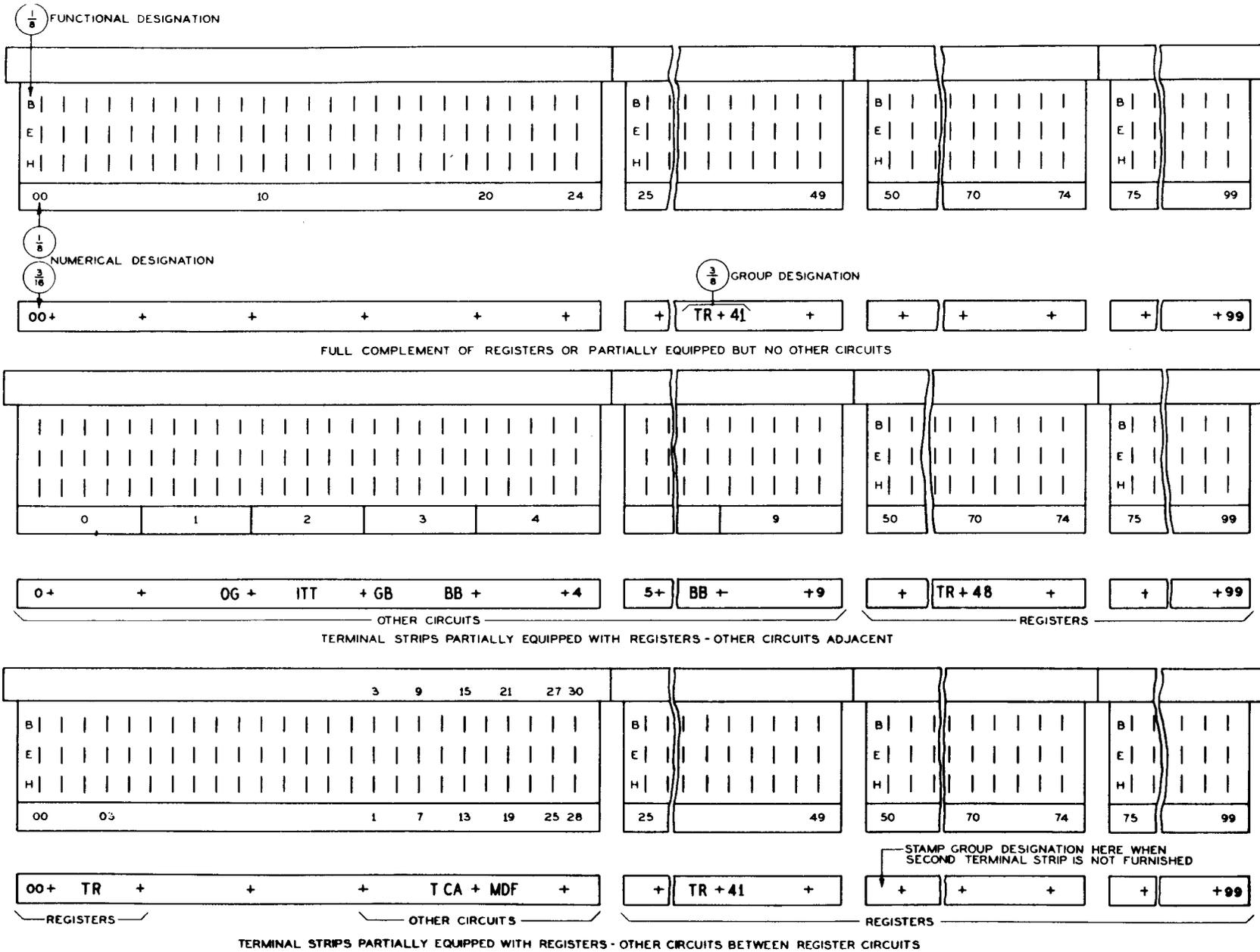


Fig. 36 - Terminal Strips - Registers - TRDF

2.33 Register (Horizontally Mounted) Terminal Strips:

Stamp the group designation (TR and hundred number 00, 01, etc) on the face of the terminal strip clamping strip in the middle of each set of four message register terminal strips whether equipped with the full complement of 100 register circuits, partially equipped with register circuits, or partially equipped with register circuits and some of the terminals used for other circuits. In the last case, when terminals for some of the register circuits are separated from that portion of the group carrying the group designation by terminals for another circuit, also stamp TR on the face of the terminal strip adjacent to such register terminals. (See Fig. 36.)

I. District Junctor Grouping Frames

2.34 On the *vertical side*, stamp the group designation (line link frame number 100, 101, etc) on the face of the clamping strip of the top and bottom terminal strip for each group on each vertical. On the *horizontal side*, stamp the group designation (district junctor frame number 0, 1, etc) on the face of the terminal strip fanning strip in the middle of each set of terminal strips for each group on each shelf.

J. Distributing Frame Terminal Strips

2.35 General: Stamp terminal strips in accordance with the detailed requirements in this section for specific circuits and distributing frames involved insofar as such information is given. Designations applying to all other circuits shall be stamped on the face and on the side (right side when mounted vertically, upper side when mounted horizontally) of the terminal strips, as covered in the following paragraphs, for the various classes of designations. Requirements for additional terminal strip stamping, frame vertical numbers, shelf letters, etc, are covered under the respective types of distributing frames.

2.36 Group and Subgroup Designations

(a) **Size and Locations:** Stamp *group designations* on the face of the clamping strip in the middle of the terminal strip, or portion thereof to which it applies, except under con-

ditions outlined in (b) (1) below. Use 3/8-inch characters when the face of the clamping strip has a stamping surface of 7/16 inch or more in width. When stamping surface is less than 7/16 inch, stamp with 3/16-inch characters and, when the group designation consists entirely of numerals, underline it so that it will not be confused with numerical designations. For example: 00, 01, etc. When both group and subgroup designations are required, stamp the *subgroup designation* on the edge of the fanning strip. (See Fig. 37 and 38.)

(b) Frequency of Stamping

(1) **For successive groups located on the same shelf or vertical** and each group occupying the *same* number of rows of terminals, stamp the group designation in the middle of each group. (See Fig. 38.) This rule applies to all adjacent vertically mounted terminal strips and to all adjacent horizontally mounted terminal strips. It does not apply to vertically mounted terminal strips on the horizontal side of a frame if the group extends to part (but not all) of a terminal strip. In this last case, stamp as in (4) below. For all other groups, stamp as in (2) to (4) below.

(2) **When a group is located on two or more adjacent vertically mounted terminal strips and is not one of two or more similar groups**, stamp on the top and bottom terminal strips of the group and, if the group occupies more than six terminal strips, also stamp on intermediate terminal strips so that there will be no more than four adjacent terminal strips without the group designation. If the group continues over two or more verticals, stamp the group designation for the terminal strips on the last vertical similar to those stamped on the first vertical. If the span covers more than six verticals, also stamp the terminal strips on the intermediate verticals similar to those on the first and last verticals so that there will not be more than four adjacent verticals without the group designation.

(3) **When a group is located on two or more adjacent horizontally mounted terminal strips and is not one of two or**

more similar groups, stamp on the first and last terminal strips of the group and, if the group occupies more than six bays (distance between verticals), also stamp on intermediate terminal strips so that there will be no more than four adjacent bays with terminal strips which do not carry the group designation. (See Fig. 39.)

(4) *When a group is located on a set of two or more vertically mounted terminal strips on the horizontal side of a frame and is not one of two or more similar groups*, stamp on the first and last terminal strips of the group on each shelf and, if the group extends across more than six terminal strips on any shelf, also stamp on intermediate terminal strips of that shelf so that there will be no more than four successive terminal strips which do not carry the group designation. (See Fig. 39.) When, as in the case of the "VV" group in Fig. 39, the group does not occupy the entire terminal strip but does occupy complete intermediate terminal strips, also stamp on the complete terminal strip nearest the end of the set. When, as in the case of the right-hand terminal strip of the "YY" group in Fig. 39, a designation "YY" is required for part of the terminal strip, the designation "ZZ" applicable to the other part shall also be stamped.

2.37 Functional Designations

(a) *Size and Location:* Stamp functional designations on the insulating strips adjacent to the terminals to which they apply using 1/8-inch characters. Stamp on the edge of the clamping strip, the face of the clamping strip, or the edge of the fanning strip with 1/8-inch characters when applicable to rows of punchings. Stamp on the face of the clamping strip with 3/8-inch characters when one designation applies to all terminals on the strip. (See Fig. 37 and 40 through 44.)

(b) *Frequency of Stamping:* Stamp functional designations for one circuit of each group on each terminal strip except when all groups on the terminal strip have the same functional designations, then stamp once for the terminal

strip. (See Fig. 37 and 40 through 44.) Fig. 40 through 44 show only vertically mounted terminal strips for the various conditions. To apply the rules depicted therein to horizontally mounted strips, the tops of the vertical strips shall be considered as the left ends of the horizontal strips, and characters shall be oriented as shown in Fig. 37.

2.38 Numerical Designations

(a) *Size and Location:* Stamp numerical designations on the face of the clamping strip with 3/16-inch characters. Stamp on the edge of the clamping strip, on the insulating strips, and on the edge of the fanning strip with 1/8-inch characters, as required, under the various conditions illustrated in Fig. 37, 38, and 40 through 44. In general, all digits of the numerical designations are stamped on the face of the clamping strip but only the last two digits on the side of the clamping strip and of the fanning strip. Outstanding exceptions to this rule occur when cable pair numbering is involved as in Fig. 6 and 24.

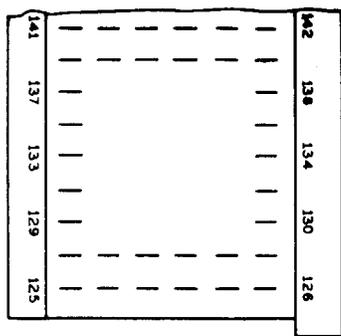
(b) *Frequency of Stamping:* Stamp as required under the various conditions shown in Fig. 38 and 40 through 44.

2.39 *Separations Stripes:* Separation stripes made with 3/8-inch letter "I" shall be used to show the junction of two groups or two subgroups, or of two circuits, for which three or more rows or parts of rows are required, when the junction occurs within the limits of a terminal strip. (See Fig. 38, 42, and 44.)

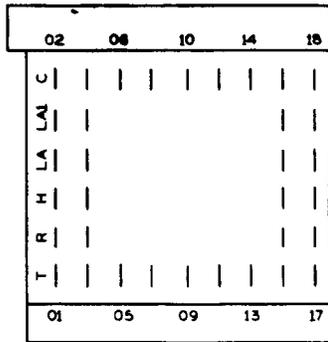
K. Miscellaneous

2.40 *Protective Coating:* Provide a protective coating over designations on the face of clamping strips (except for 65-, 182-, and similar-type terminal strips), on the top edge of fanning strips of horizontally mounted terminal strips, and on 37-type shields.

2.41 *Shields:* When 37- or similar-type shields are used on horizontally mounted terminal strips, designations required on the edge of the fanning strip shall be duplicated on the shield. (See Fig. 29.)



ALTERNATIVE ARRANGEMENT OF NUMERICAL DESIGNATIONS WHEN SPACE DOES NOT PERMIT STAMPING HORIZONTALLY



ALTERNATIVE ARRANGEMENT OF FUNCTIONAL DESIGNATIONS WHEN LENGTH OF ANY FUNCTIONAL DESIGNATION IN THE ROW PREVENTS STAMPING HORIZONTALLY

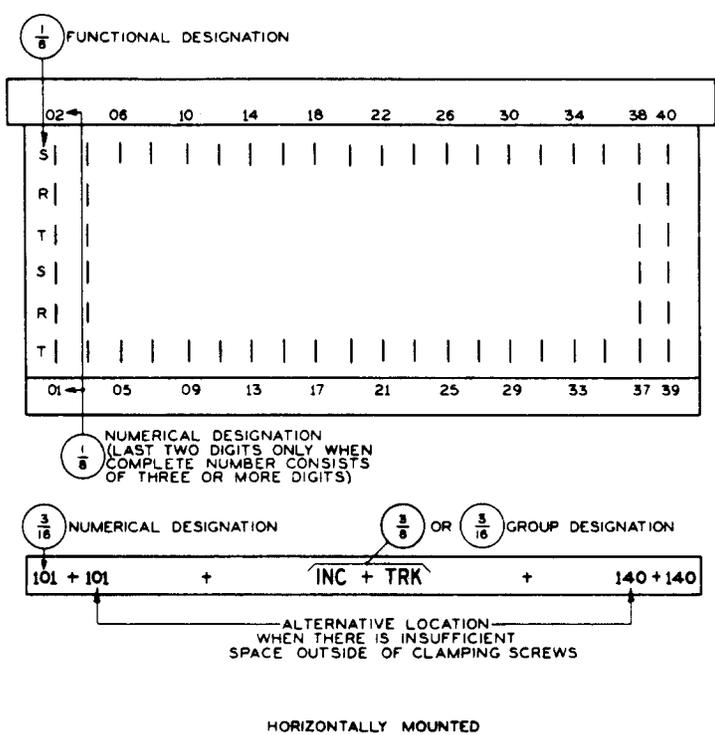
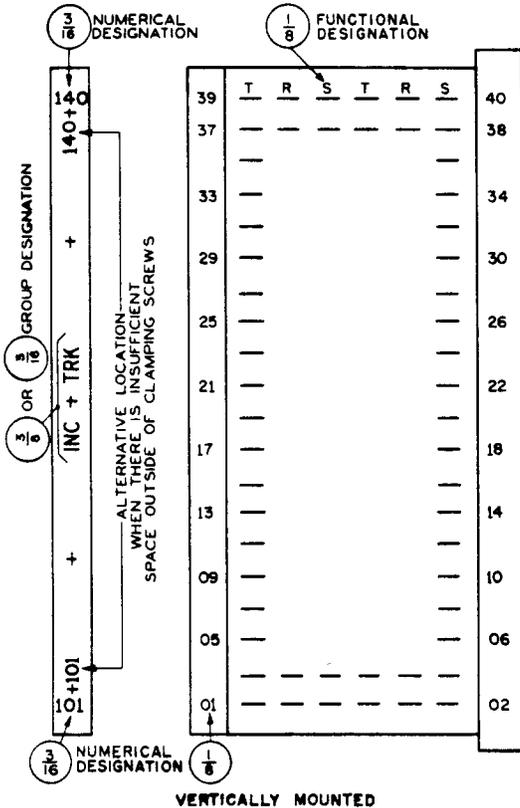


Fig. 37 - Terminal Strips — General Requirements for Size and Orientation of Characters

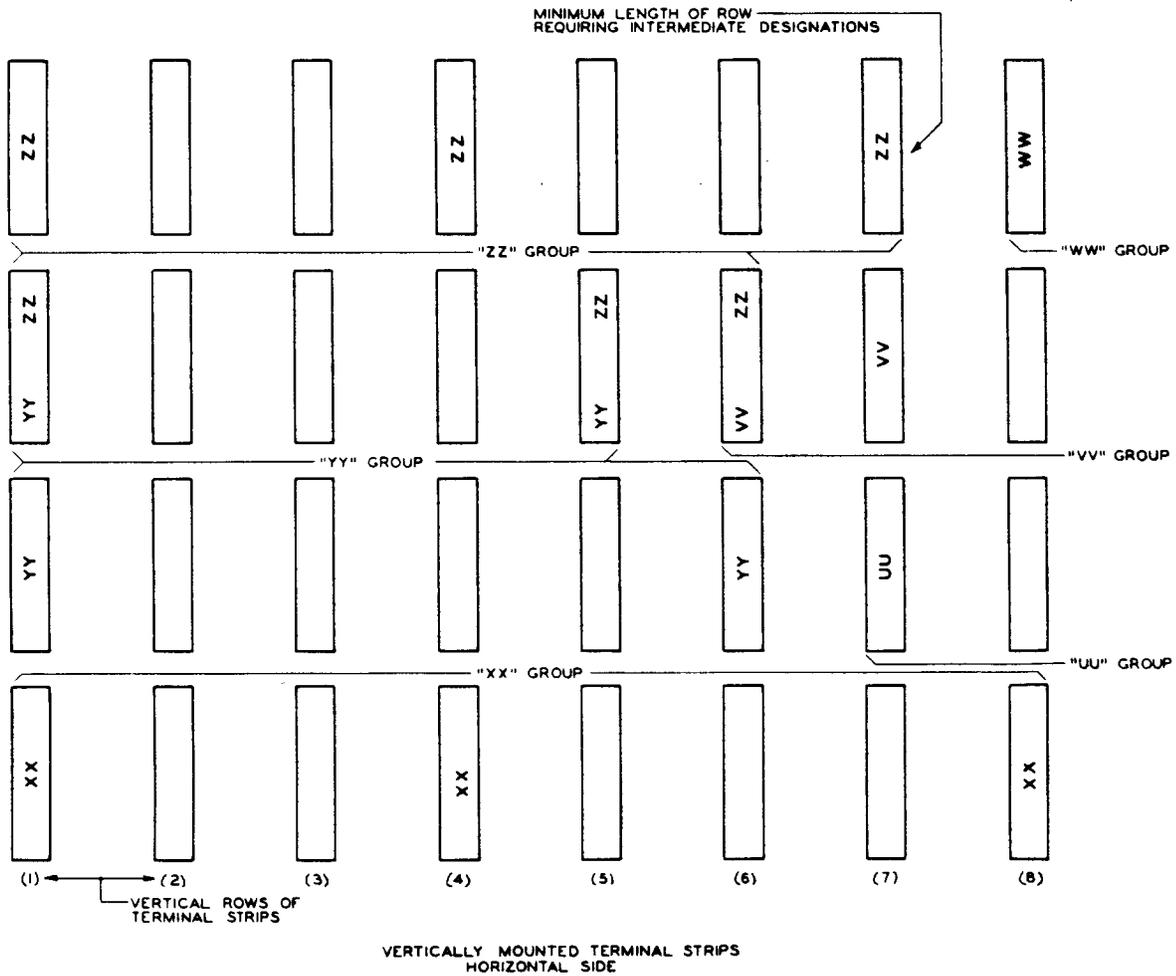
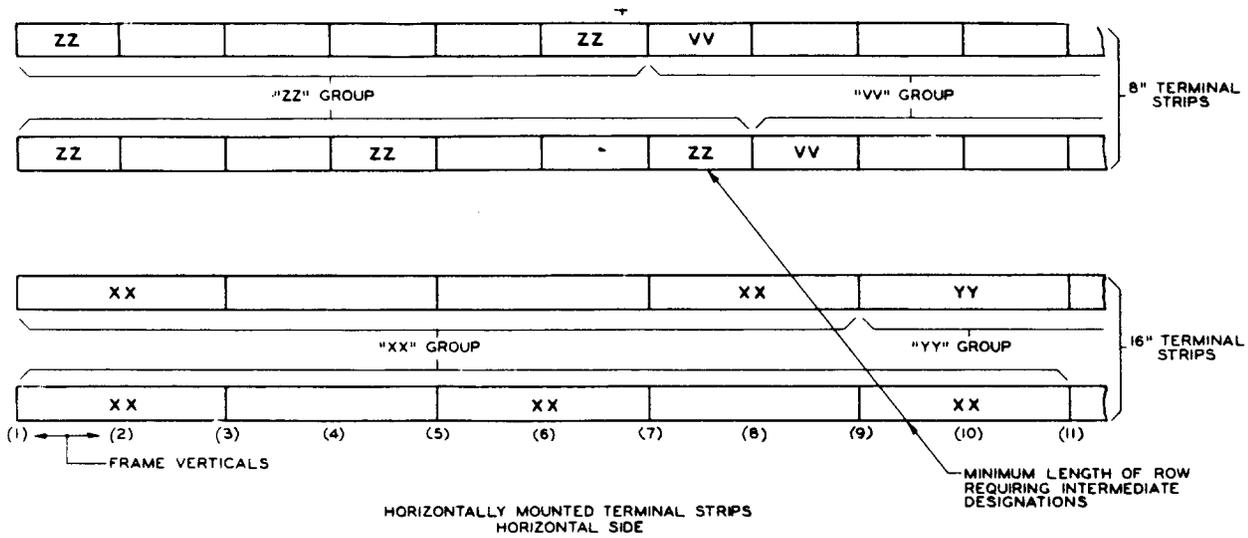


Fig. 39 - Terminal Strips - Group Designations - Frequency of Stamping When Group is Not One of Two or More Similar Groups

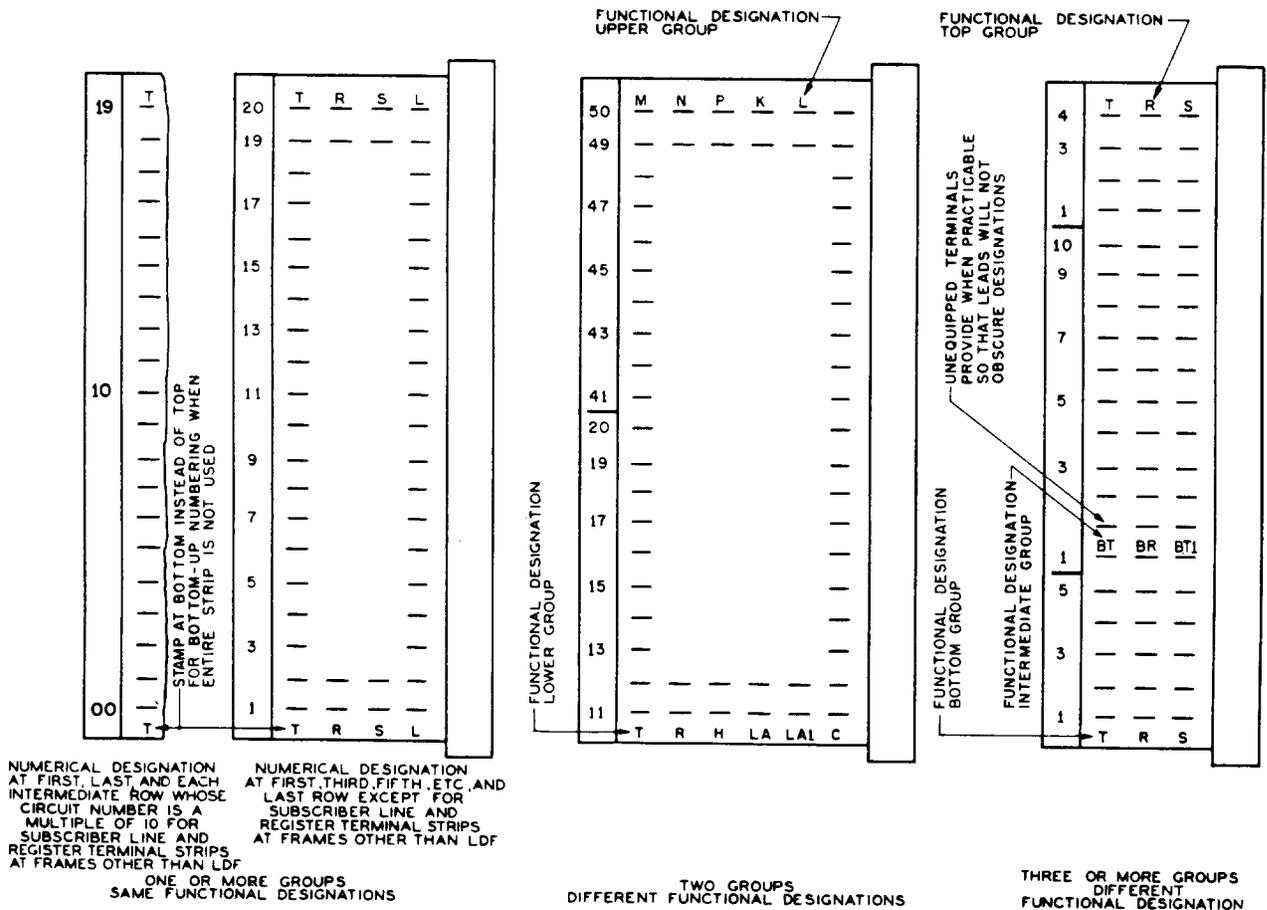


Fig. 40 — Terminal Strips — Functional and Numerical Designations — One Circuit per Row

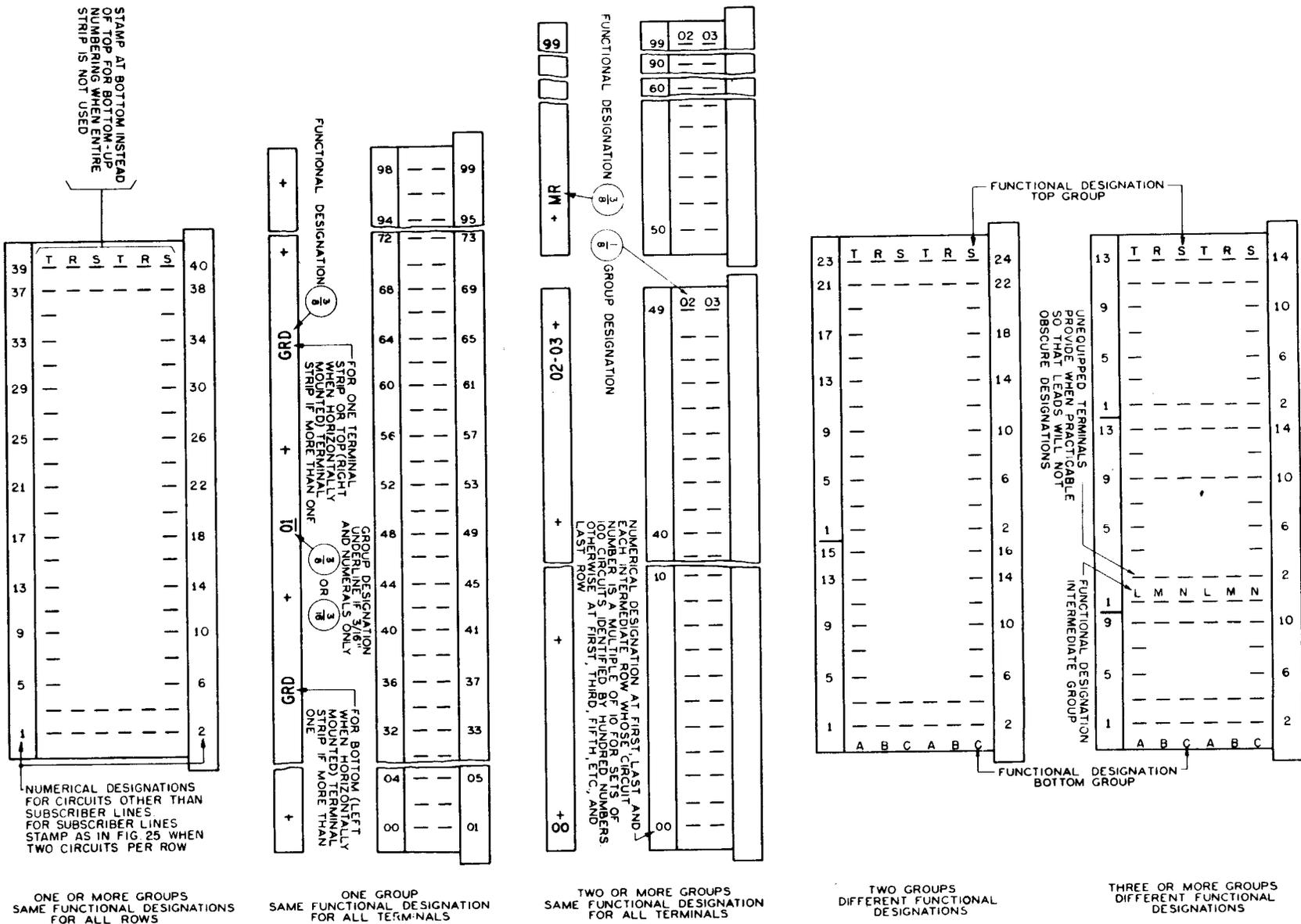


Fig. 41 - Terminal Strips — Functional and Numerical Designations — Two or More Circuits per Row

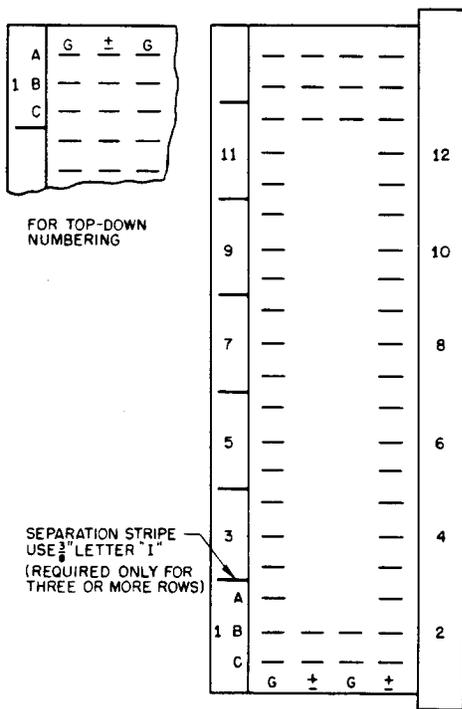
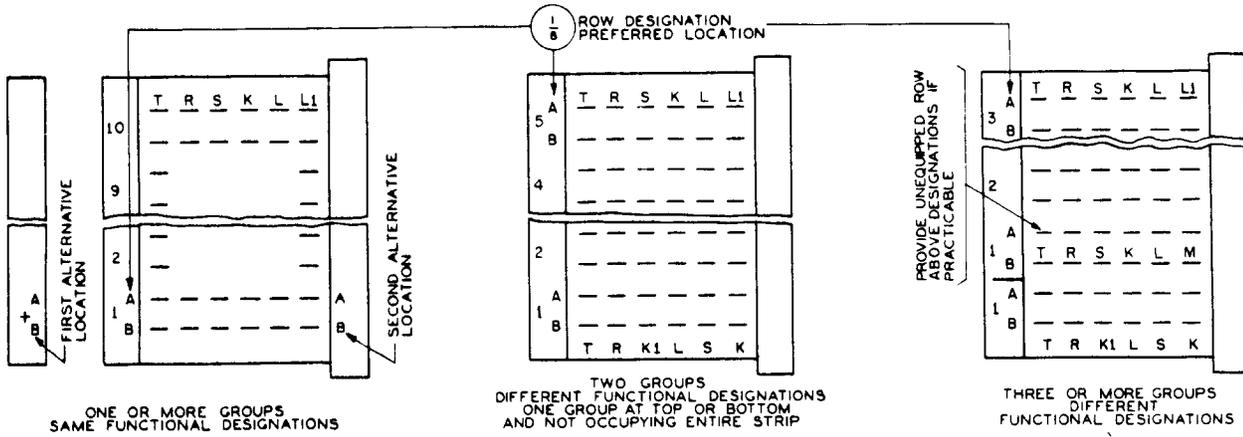
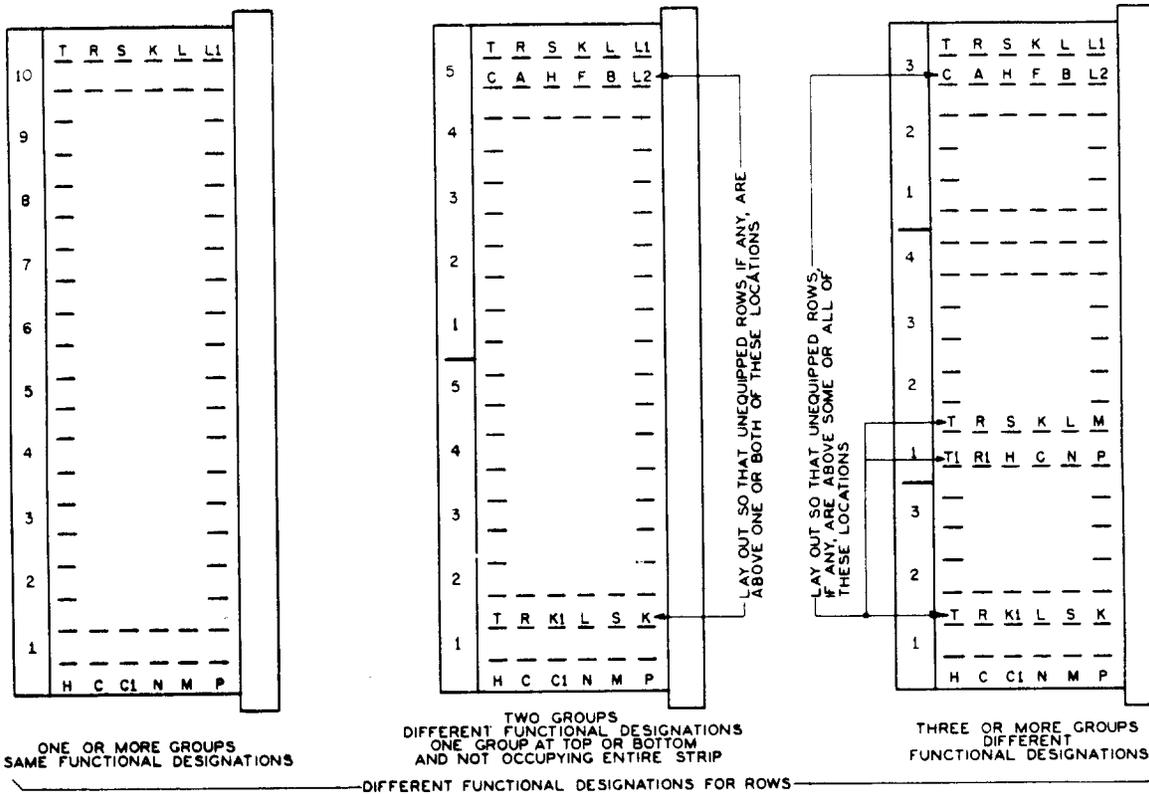


Fig. 42 - Terminal Strips — Functional and Numerical Designations — Two or More Circuits per Two or More Rows



SAME FUNCTIONAL DESIGNATIONS FOR ALL ROWS IN GROUP - ROW DESIGNATIONS TO DIFFERENTIATE BETWEEN ROWS



DIFFERENT FUNCTIONAL DESIGNATIONS FOR ROWS

Fig. 43 - Terminal Strips - Functional and Numerical Designations - Two Rows per Circuit

REASONS FOR REISSUE

1. 1.03 was added.
2. 2.02(d) was added.
3. 2.04 and 2.04(a) were revised to conform with approved stamping procedures.
4. 2.05 was added.
5. 2.06 was revised to conform with approved stamping procedures.
6. Fig. 2 was changed to indicate 3/8-inch-letter "I" at fanning hole for each stamped pair which is a multiple of five.
7. Fig. 6 was changed to show top to bottom numbering.
8. Fig. 7 was added.
9. 2.08(e)(1) was brought up to date.
10. Fig. 13 was changed to add group designation "1" on edge of fanning strip.
11. Fig. 17 was changed to bring stamping in agreement with Fig. 19.
12. Fig. 22 was changed to show the dimension locating the vertical number as 4 feet 0 inch.
13. 2.13(a) was revised to conform with approved stamping procedures.
14. Title of Fig. 23 was changed to omit "single-sided combined."
15. 2.14(b) was revised to clarify stamping location.
16. Title of Fig. 24 was changed to omit "single-sided CDF."
17. Fig. 26 was changed to add right-hand view.
18. 2.18(a) and (b) were revised to clarify the stamping.
19. Fig. 38 was changed to remove reference to optional stamping of numerical designations.