

BELL SYSTEM PRACTICES
Outside Plant Construction
and Maintenance

SECTION G61.104.5
Issue 2, April, 1951
AT&T Co Standard

TERMINALS

INSTALLATION OF N TYPE DISTRIBUTION CABLE TERMINALS ON WALLS

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1. GENERAL

1.01 This section is being reissued to cover methods for installing the new NC26 and NE26 Distribution Cable Terminals on walls. Issue 1 is replaced.

2. LOCATING TERMINALS ON BUILDING WALLS

2.01 Locate terminals in accordance with detail construction plans observing the following points in so far as practicable. If the specified terminal location does not appear desirable from either a construction or maintenance standpoint, refer the matter to your supervisor for special instructions. In general locate a terminal:

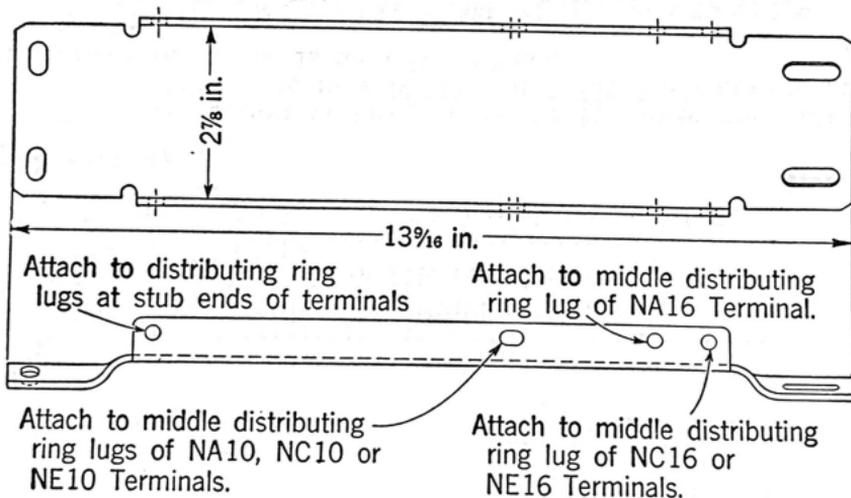
- (a) Where it will be accessible and can be reached from the ground. Satisfactory working conditions are generally obtained by locating the lower mounting holes of the bracket approximately five feet above ground. This height may be increased to avoid hazardous conditions or possible damage.
- (b) Where it will not extend outward in such a manner as to create a hazardous situation.
- (c) So as to avoid electric light or power circuits.
- (d) Where it will not be subjected to damage such as may occur near driveways, loading platforms, moving machinery, shutters, doors, etc.

- (e) So as to avoid leaders, drains, waste and exhaust pipes.
- (f) Not less than ten inches from the corner of a building.
Increase this dimension to twenty inches where stub cable is adjacent to corner.
- (g) On firm and even mounting surface.
- (h) On dividing line of properties.

3. MOUNTING NA, NC OR NE TERMINALS IN 10 OR 16-PAIR SIZE ON WALLS

3.01 Mounting the 10 and 16-pair terminals on walls requires the use of the 45A bracket. **This mounting bracket is not furnished** with these terminals and hence it should be requisitioned separately as required. The details of the 45A bracket are shown below.

45A BRACKET

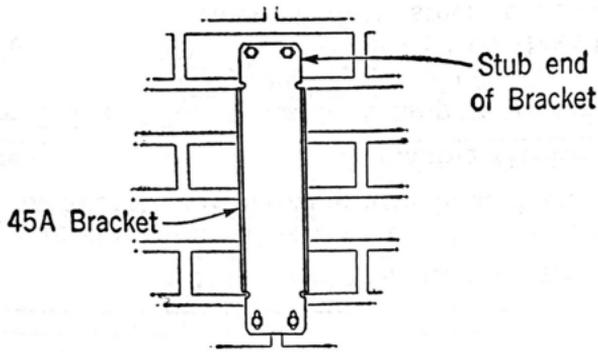


3.02 The N type terminals in the 10 and 16-pair sizes are suitable for both vertical and horizontal mounting on walls. These terminals are furnished with right end cable stubs. To reverse the stub, proceed in accordance with Paragraph 2.05 in G61.104.1. To mount the terminals proceed as follows:

- (1) Attach the 45A bracket on the wall as illustrated below.

VERTICAL MOUNTING

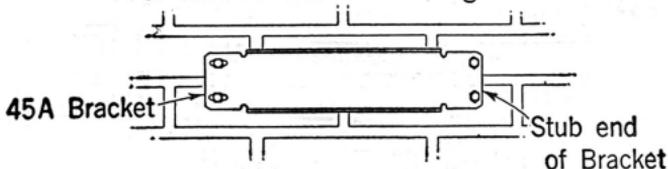
- For terminal with stub on top



- For terminal with bottom stub, reverse the bracket position shown above.

HORIZONTAL MOUNTING

- ◊ For terminal with stub on right side



- ◊ For terminal with stub on left side, reverse the Bracket position shown above.

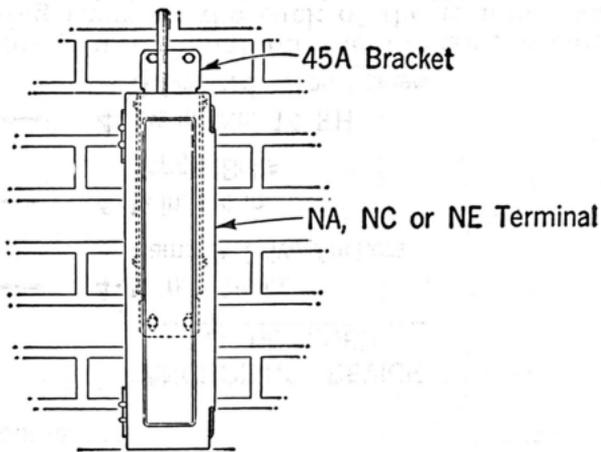
<u>TYPE OF WALL</u>	<u>ANCHORING DEVICE TO BE USED</u>
Masonry —	4 - ¼ in. × 1¼ in. Hammer Drive Anchors
Hollow Tile —	4 - ¼ in. × 4 in. Toggle Bolts
Wood —	4 - 1½ in. No. 14 RH Galvanized Wood Screws

(2) Before mounting a terminal on the bracket, remove the distributing rings on the back of the terminal and the removable parts of the terminal clamps. (Return these to stock as piece parts for future use.) Tap the two pairs of wiring ring holes located at the stub end and center of the terminal by means of the self-tapping screws furnished with the 45A bracket.

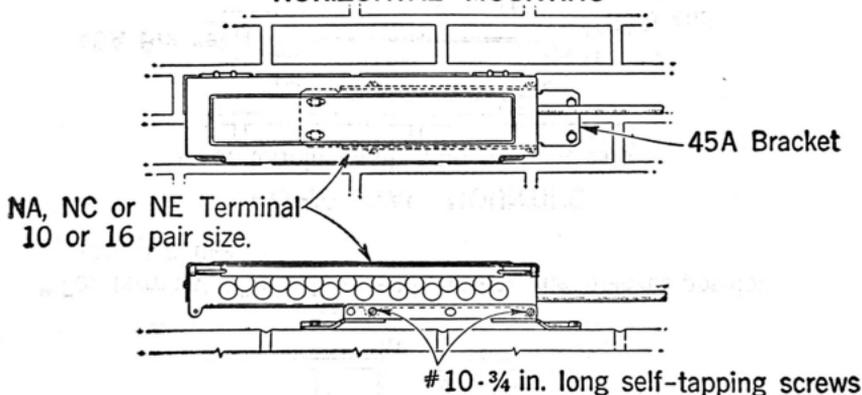
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- (3) Set the terminal in position on the 45A bracket and secure it with four self-tapping screws as illustrated below.

VERTICAL MOUNTING



HORIZONTAL MOUNTING



- 3.03 Secure stub cable of N type terminals to building walls by means of the following attaching devices:

Surfaces

Attaching Devices

Masonry or Brick

No. 9 Cable Clamp with 1/4 in. x 1 in. Hammer Drive Anchor.

Hollow Tile

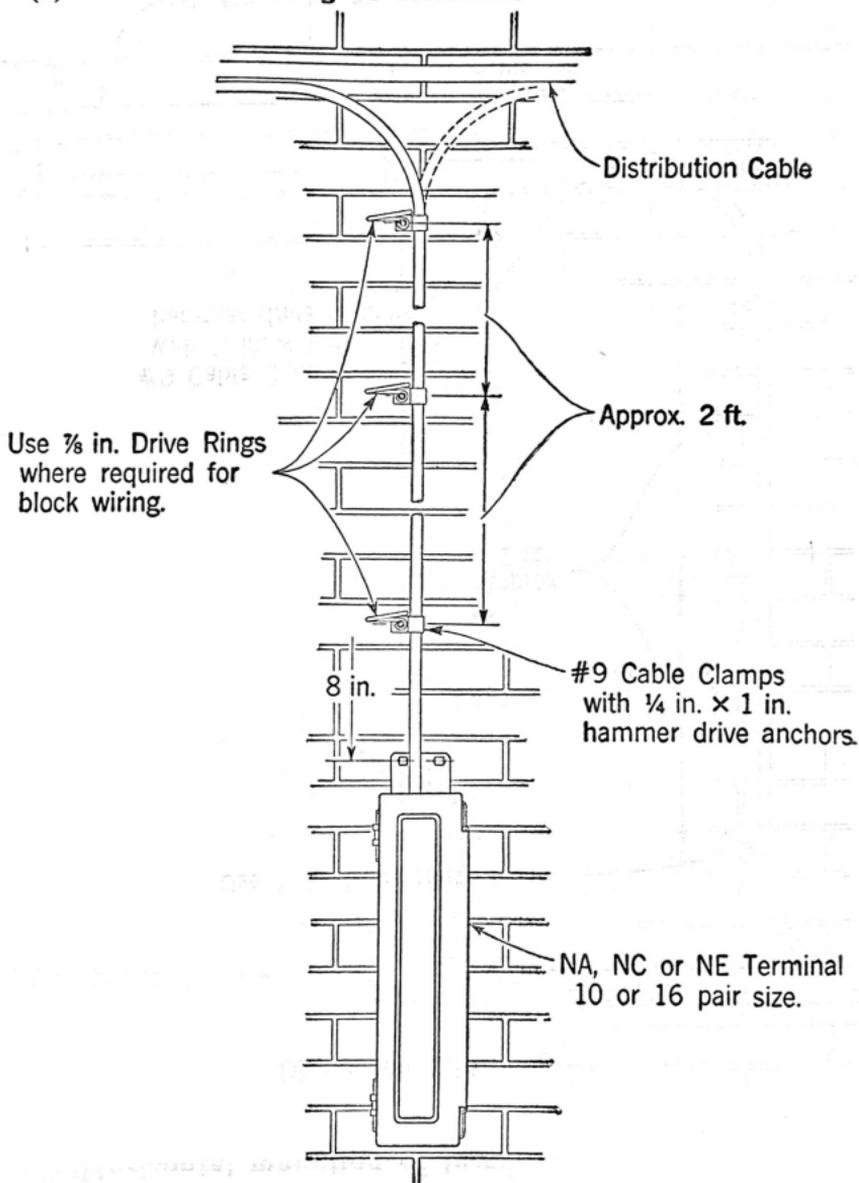
Wire consisting of two strands of lashing wire or 049 steel construction wire anchored by means of 1-1/2 in. No. 8 RH Galv. Wood Screw used as a toggle or 1/8 in. by 4 in. Toggle Bolt.

Wood

No. 9 Cable Clamp with 1 in. No. 14 RH Galv. Wood Screw. 1-1/2 in. Strap Nails may be used if mounting surface is substantial.

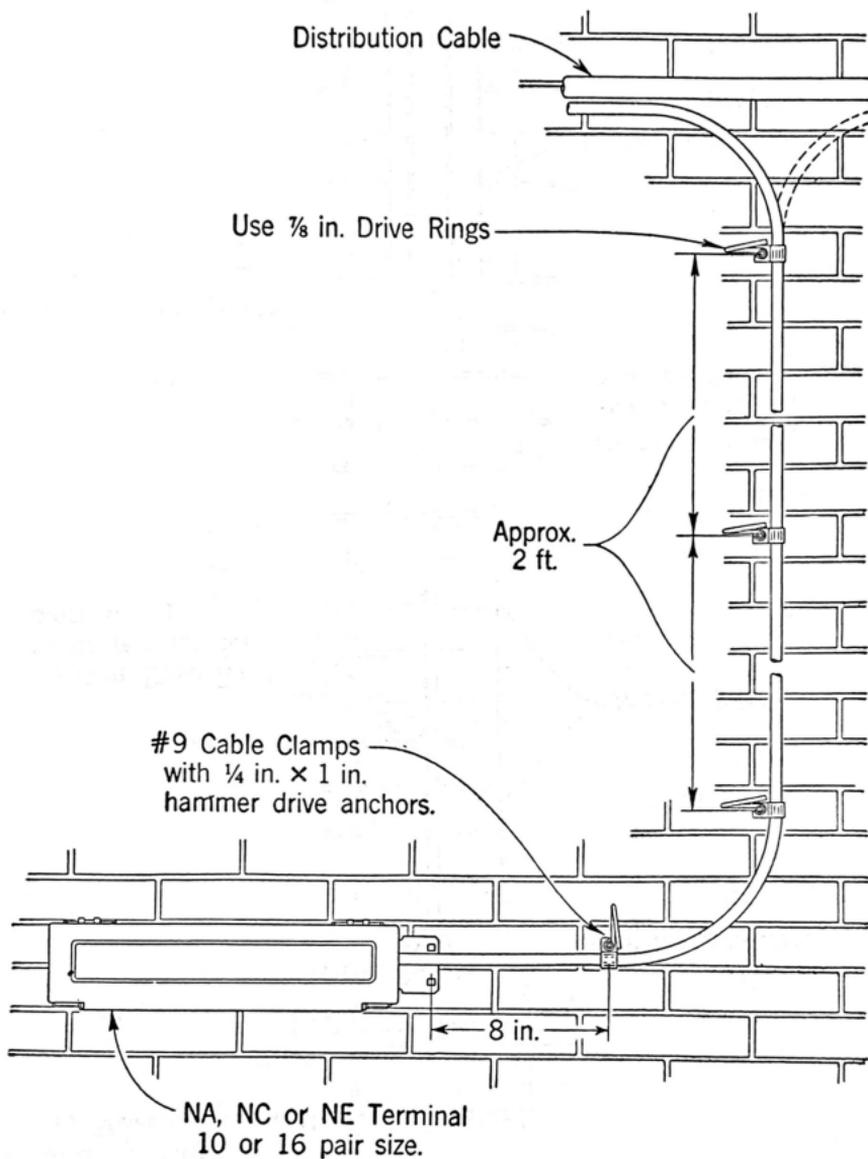
3.04 The following illustrations show **terminals mounted below a horizontal cable run** with stub cable attached to building wall.

(1) **Vertical mounting of terminal.**



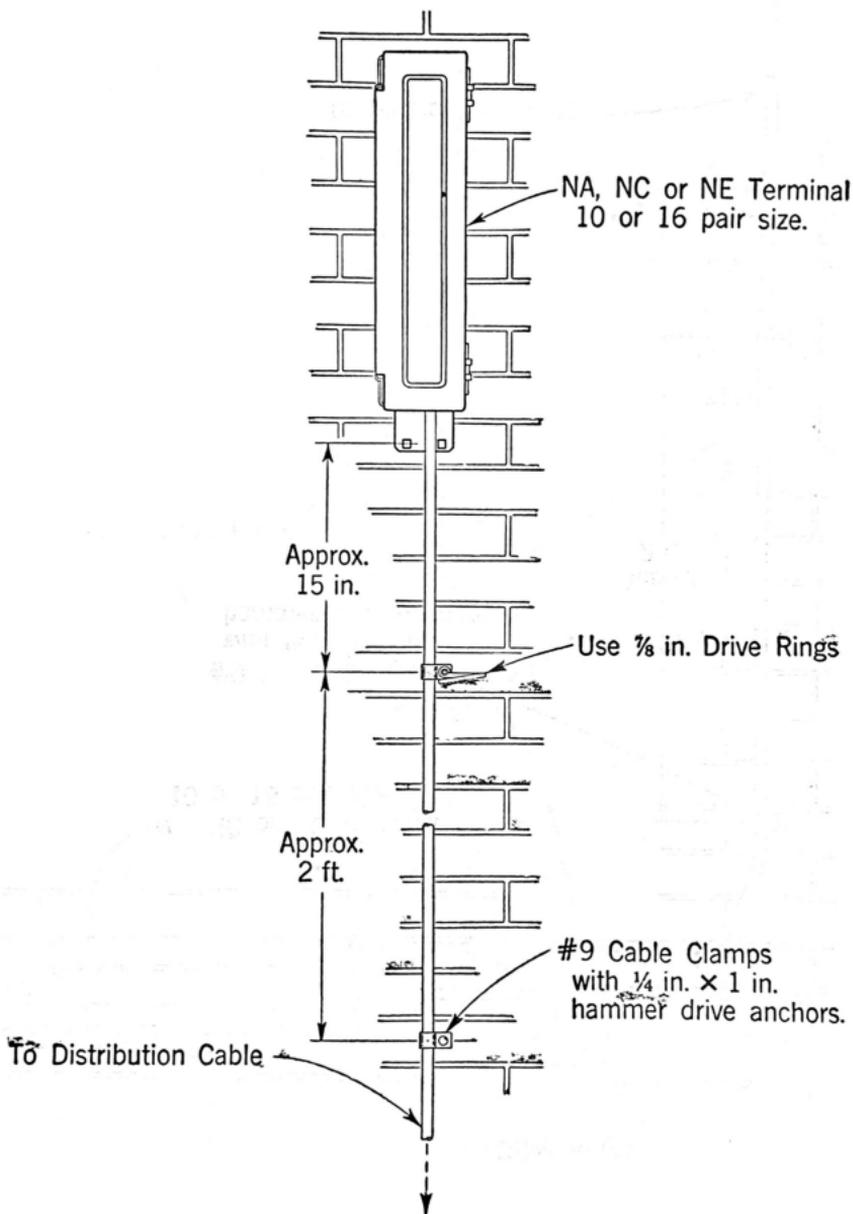
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(2) **Horizontal mounting of terminal.**



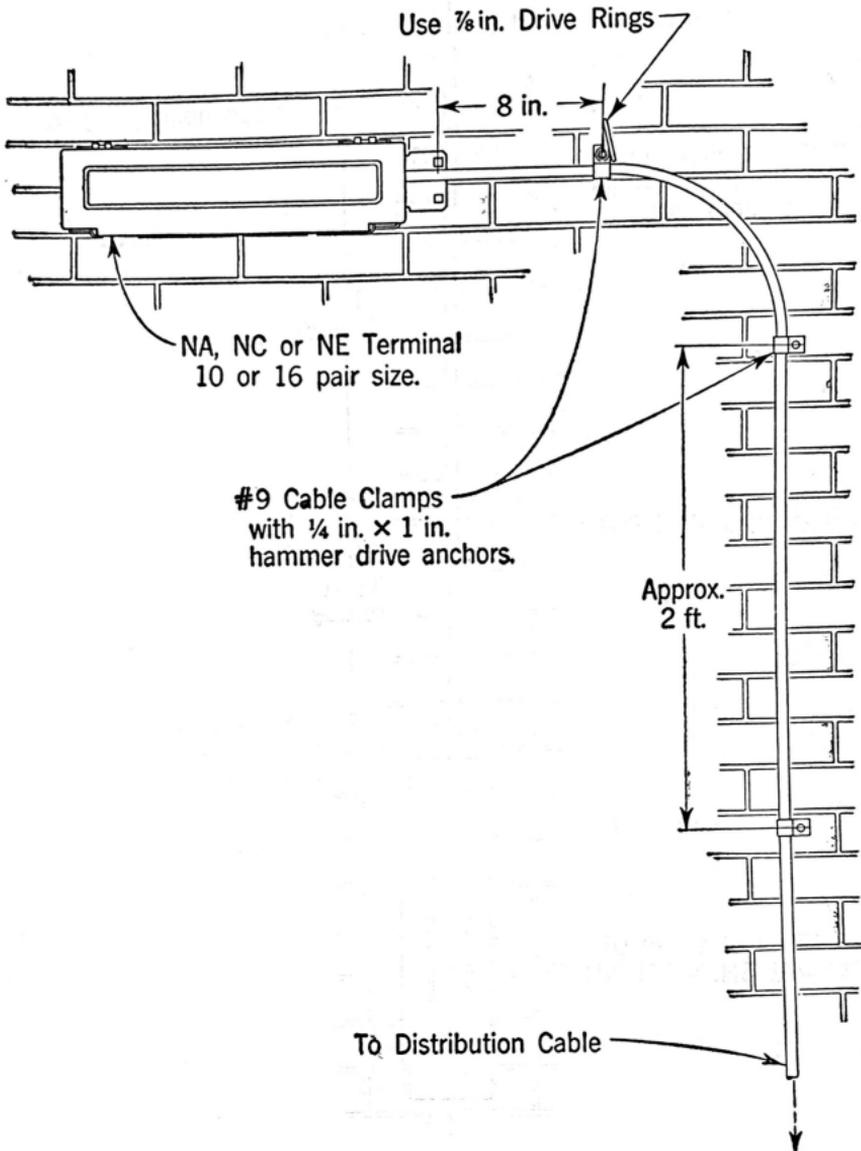
3.05 The following illustrations show terminals mounted in line with a vertical cable run or above a horizontal cable run.

(1) Vertical mounting of terminal.



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(2) Horizontal mounting of terminal.

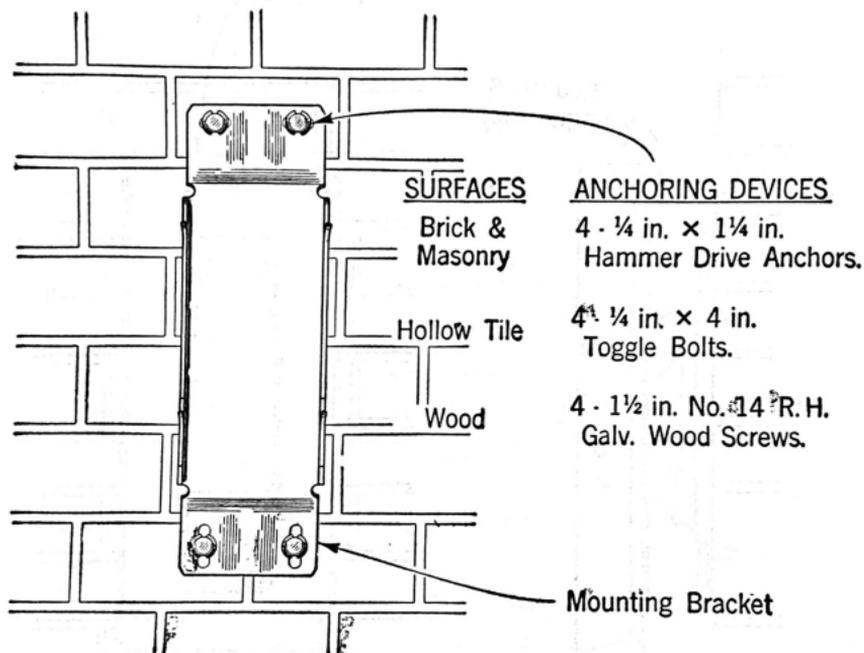


4. MOUNTING NC26 OR NE26 TERMINALS ON WALLS

4.01 These terminals are suitable only for vertical mounting on walls. A mounting bracket similar to the one used with F type terminal is supplied with each terminal.

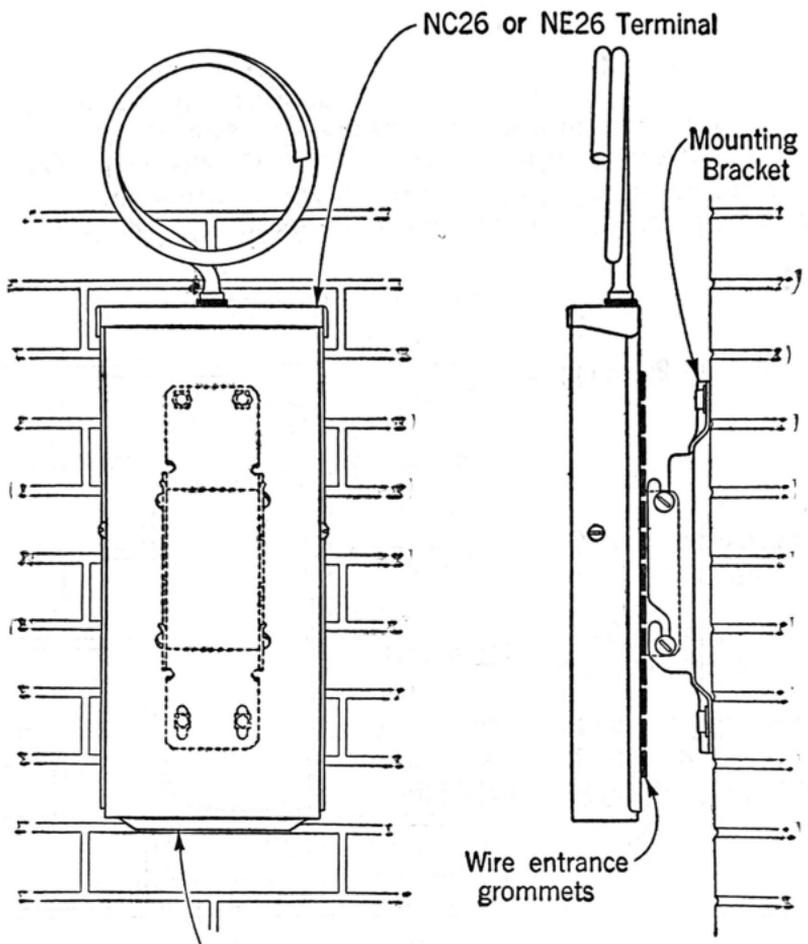
4.02 Mount the NC26 or NE26 terminal on walls as follows:

- (1) Attach the mounting bracket as illustrated.



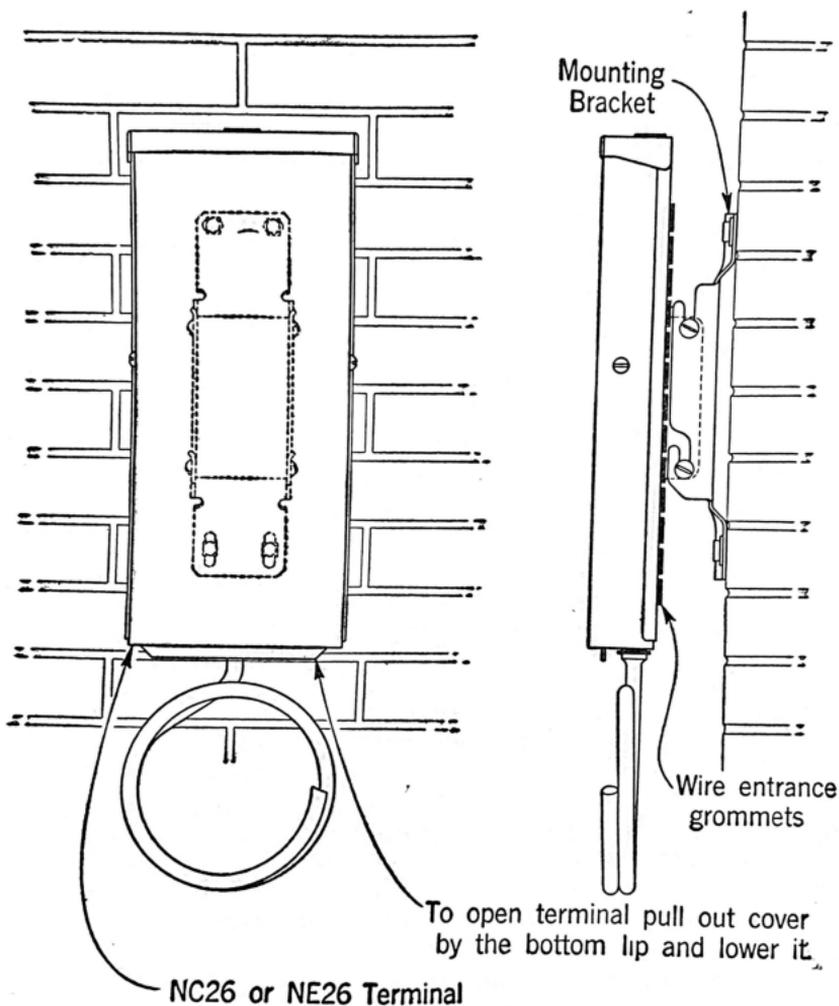
- (2) Back off the four screws on the back of a terminal sufficiently to engage the slots of the mounting bracket.
- (3) Place the terminal on its mounting bracket and tighten the screws to secure the terminal as shown in the following illustrations.

(a) **Top Stub Terminal:** Terminals are usually furnished with stub on top. The mounted terminal is shown below.



To open terminal pull out cover by the bottom lip and lower it.

(b) **Bottom Stub Terminal:** Remove the binding post block from the terminal housing. Reverse the grommets on the top and bottom ends of the terminal. The solid grommet should be on top end and the ring grommet on the bottom. Replace the binding post block in the housing with the stub cable at the bottom. The mounted terminal is shown below.



4.03 Secure the stub cable of terminal to the wall in the manner illustrated in Part 3 for the 10 and 16-pair terminals.