

WP SERIES TERMINAL HOUSING  
DESCRIPTION AND INSTALLATION

1. GENERAL

- 1.01 This section is a cover sheet for the Reliable Electric/Utility Products WP Series Terminal Housings. This Reliable Electric/Utility Products practice is equivalent to Southwestern Bell Telephone practice number RLEC 462-500-800SW.
- 1.02 Whenever this section is reissued the reason(s) for reissue will be listed in this paragraph.
- 1.03 The WP Series housings are designed as distribution terminals for wall or pole mounting. They house unprotected terminals for making service drop connections without permitting access to the distribution cable.
- 1.04 If corrections are required in the attached document, use Form E-3973 as described in Section 000-010-015.
- 1.05 If equipment design and/or manufacturing problems should occur, refer to Section SW 010-522-906 for procedures on filing an Engineering Complaint.

2. ORDERING PROCEDURE

- 2.01 The WP Series Terminal Housing may be ordered via the Southwestern Inventory Management System (SWIMS).

3. REPAIR/RETURN

- 3.01 For warranty credit, defective products should be returned utilizing existing procedures.

Attachment: WP Series Terminal Housing Description and Installation

NOTICE  
Not for use or disclosure outside  
Southwestern Bell Telephone Company  
except under written agreement.

## WP SERIES TERMINAL HOUSING DESCRIPTION AND INSTALLATION

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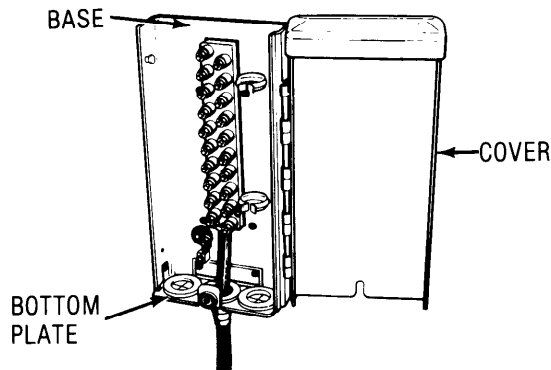
### 1.0 GENERAL

**1.01** This section provides descriptive and installation information on Reliable Electric/Utility Products WP Series Terminal Housings.

**1.02** This section has been reissued to revise and expand pole and wall mounting procedures.

### 2.0 DESCRIPTION

**2.01** The WP Series housings are designed as distribution terminals for wall or pole mounting. They house unprotected terminals for making service drop connections without permitting access to the distribution cable (Fig. 1).



**Fig. 1 — WP Series Terminal Housing**

**2.02** Cable terminal blocks are available in capacities of 5, 6, 10, 16, 25, and 50 pair configurations. The terminal blocks may be stubbed or stubless, and provision is made for cable entry in the bottom plate of the housing for direct connection to the terminal blocks.

**2.03** WP Series Terminal Housings are constructed of 16 gauge galvanized steel with a grey-green enamel finish. The housing cover lifts up and swings to the side. Housing sizes and capacities are listed below:

| HOUSING CAPACITY | DIMENSION (DM.) |
|------------------|-----------------|
| 5, 6, 10 pair    | 12x6x2-3/8      |
| 16 pair          | 21x6x2-3/8      |
| 25 pair          | 21x6x2-3/8      |
| 50 pair          | 24x10x4         |

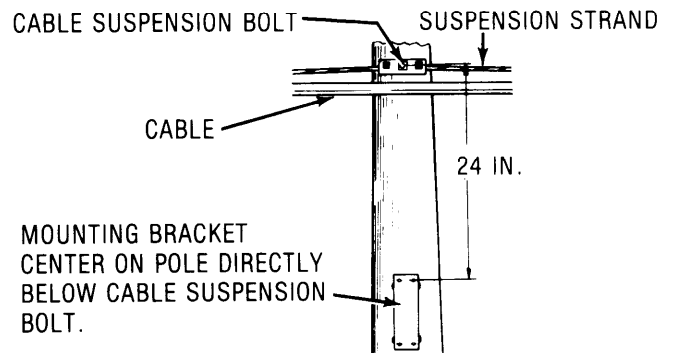
**2.04** The housing is equipped with a connector accepting a No. 6 ground wire. The unprotected terminal blocks are not grounded to the housing. The protected blocks are grounded by a lead between the block and the connector.

**2.05** A wall/pole mounting bracket of appropriate size is provided with each housing. Mounting hardware such as anchor bolts or long screws must be provided locally.

### 3.0 INSTALLATION

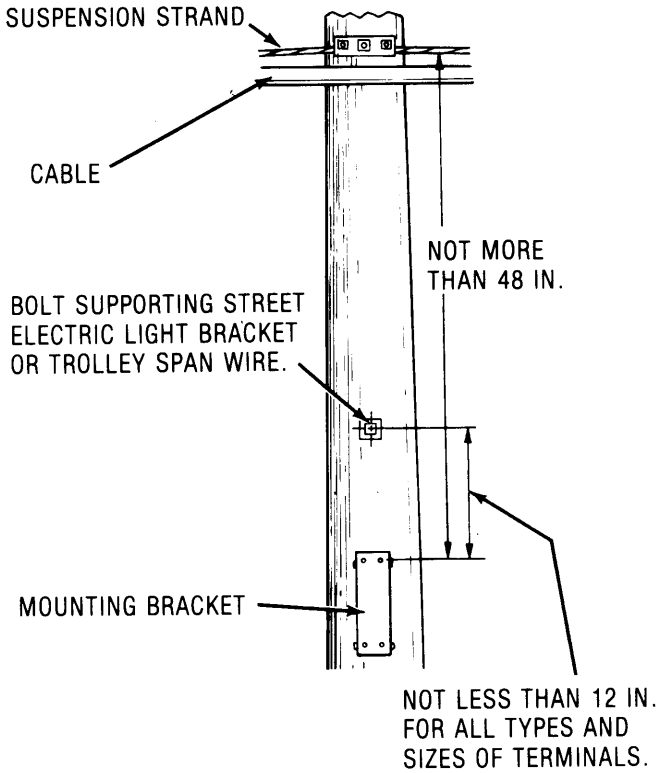
#### POLE MOUNTED TERMINALS

**3.01** Where possible, locate the terminal mounting bracket on the cable side of the pole as shown in Fig. 2. If the bracket cannot be placed at the preferred distance of 24 inches below the suspension strand, locate it in accordance with Fig. 3 through 5.

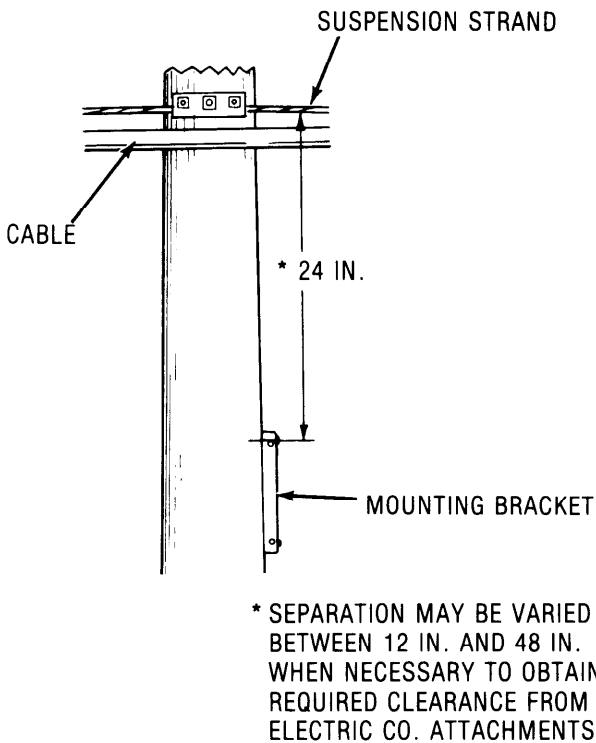


**Fig. 2 — Preferred Location of Mounting Bracket on Pole**

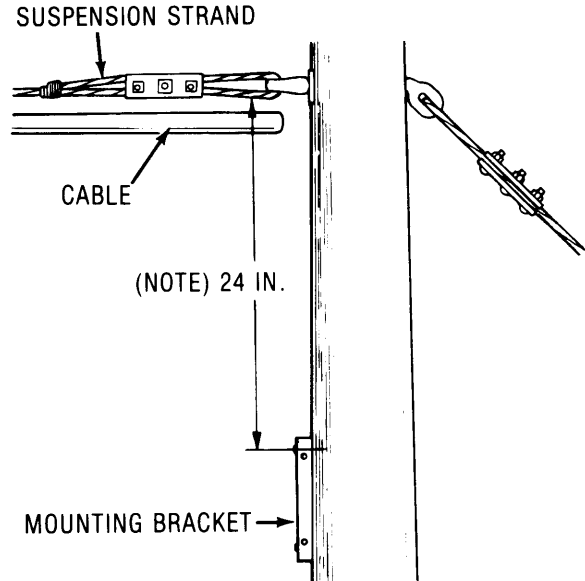
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**Fig. 3 — Location of Mounting Bracket on Pole Where Greater Separation is Required**



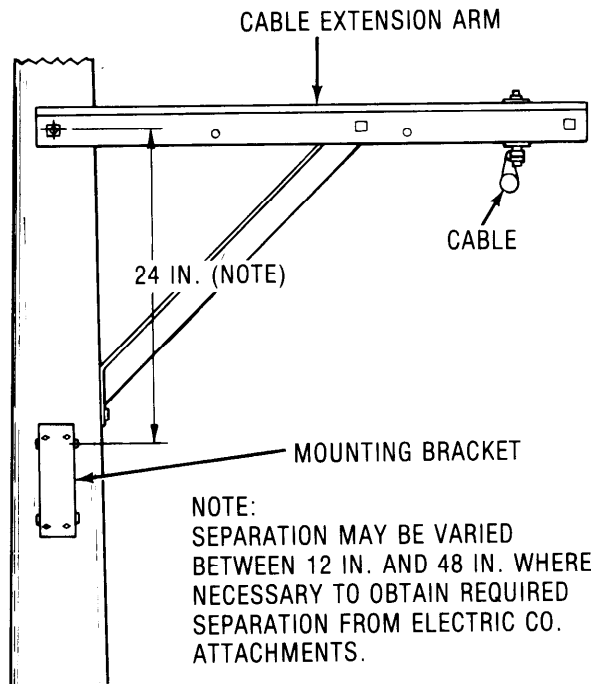
**Fig. 4 — Location of Mounting Bracket on Face or Back of Pole**



NOTE:  
SEPARATION MAY BE VARIED BETWEEN 12 IN. AND 48 IN. WHEN NECESSARY TO OBTAIN REQUIRED SEPARATION FROM ELECTRIC COMPANY ATTACHMENTS.

**Fig. 5 — Location of Mounting Bracket at End Pole**

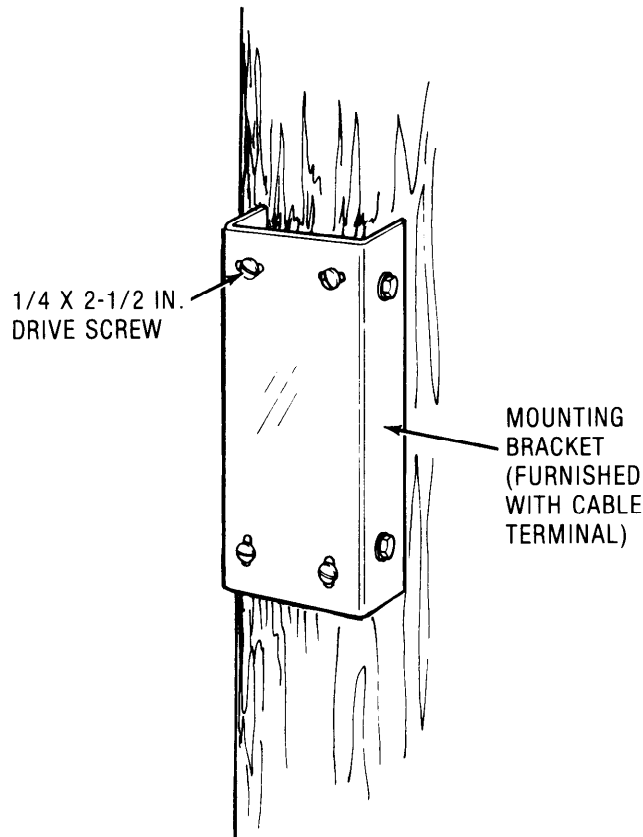
3.02 Where the terminal is to be placed on a pole carrying a cable extension fixture, locate the mounting bracket on the face or back of the pole as shown in Fig. 6.



**Fig. 6 — Mounting Bracket Installed on a Pole Carrying a Cable Extension Fixture**

**3.03** Where the terminal is to be spliced to buried cable or underground subsidiary cable, locate the terminal, equipped with a 12- or 25-foot stub, at a height of 14 feet between the bottom of the bracket and ground. Where buried or subsidiary cable is carried up a pole, locate the terminal at heights for terminals associated with aerial cable.

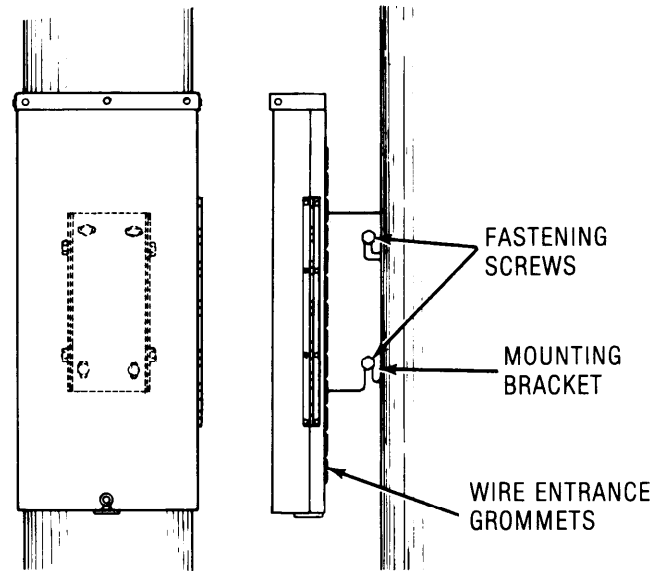
**3.04** A mounting bracket is furnished with each WP Series type cable terminal. Attach the mounting bracket to the pole as shown in Fig. 7.



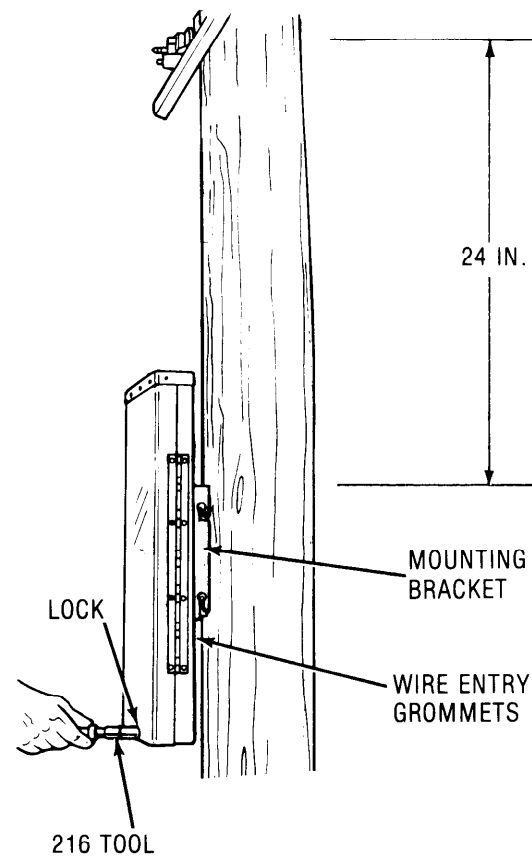
**Fig. 7 — Mounting Bracket Attached to Pole**

**3.05** Install the cable terminal as follows:

- (a) Back off the four fastening screws on the back of the mounting bracket sufficiently to engage into the slots of the housing mounting bracket.
- (b) Place the terminal on the mounting bracket and tighten the screws to secure the terminal as shown in Fig. 8 and 9.



**Fig. 8 — Installing Cable Terminal on Pole Mounting Bracket**



**Fig. 9 — WP Series Cable Terminal Installed on Pole**

**WALL MOUNTED TERMINALS**

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

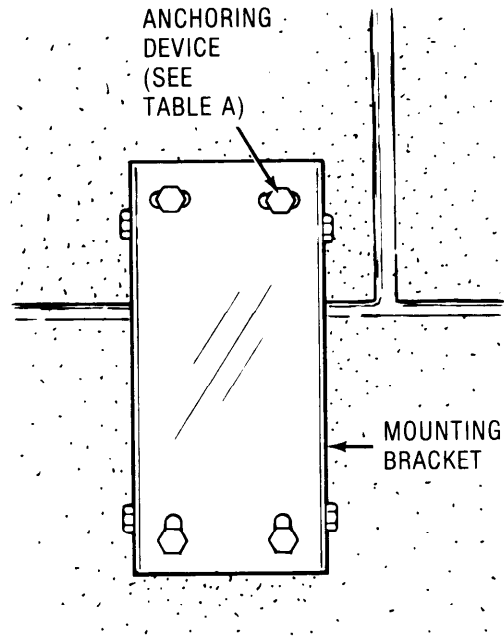
- (a) Where it will be accessible and can be reached from the ground. Satisfactory working conditions are generally obtained by locating the lower mounting holes of the bracket approximately 5 feet above ground. This height may be increased to avoid hazardous conditions or possible damage.
- (b) Where 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 headers, drains, waste, and exhaust pipes.
- (f) Not less than 10 inches from the corner of the building. Increase this dimension to 20 inches where stub cable is adjacent to corner.
- (g) On firm and even mounting surface.
- (h) On dividing line of properties.

**3.07** These terminals are suitable for vertical mounting only on walls. A mounting bracket is supplied with each terminal.

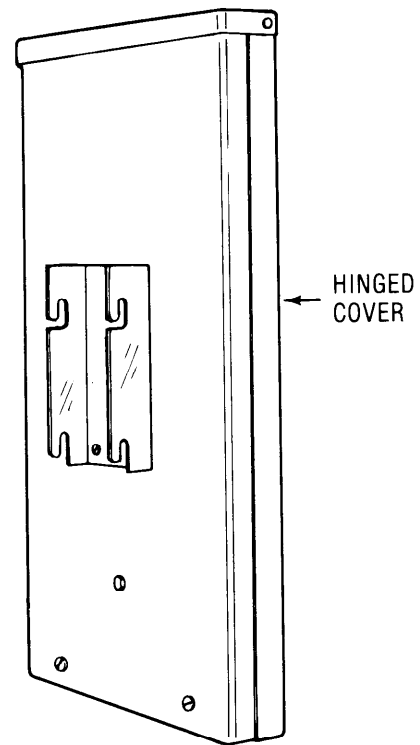
**3.08** Mount these terminals on walls as follows:

- (a) Attach the mounting bracket as illustrated in Fig. 10.
- (b) Back off the four fastening screws on the back of the mounting bracket sufficiently to engage into the slots (Fig. 11) of the terminal housing mounting bracket.
- (c) Place the terminal on the mounting bracket and tighten the screws to secure the terminal (Fig. 12).

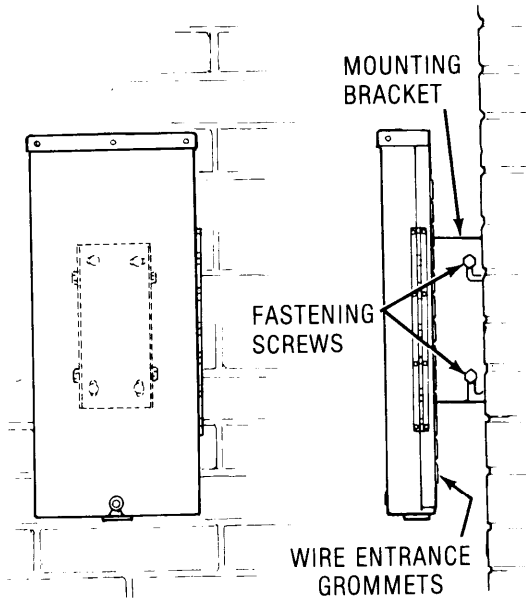
(d) The terminal stub should be arranged for splicing to the aerial or buried cable as shown in Fig. 13 and 14.



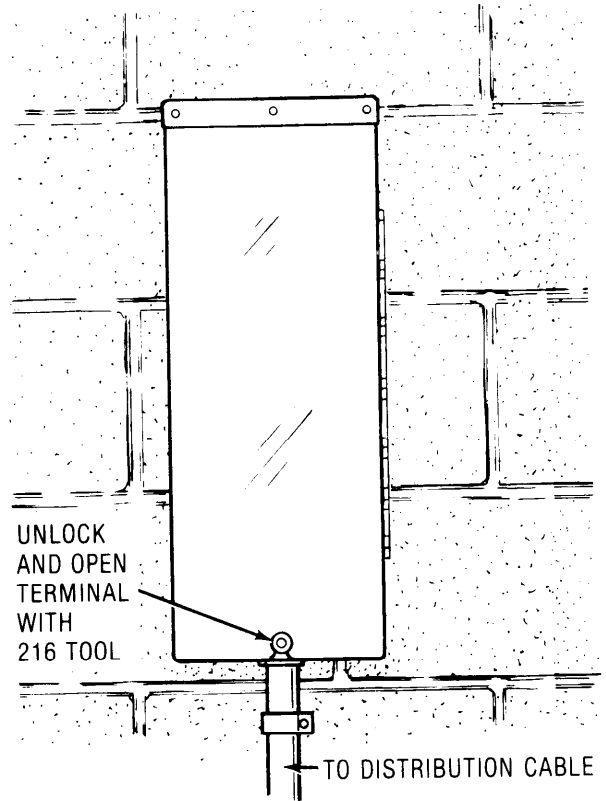
**Fig. 10 — Mounting Bracket Secured to Wall**



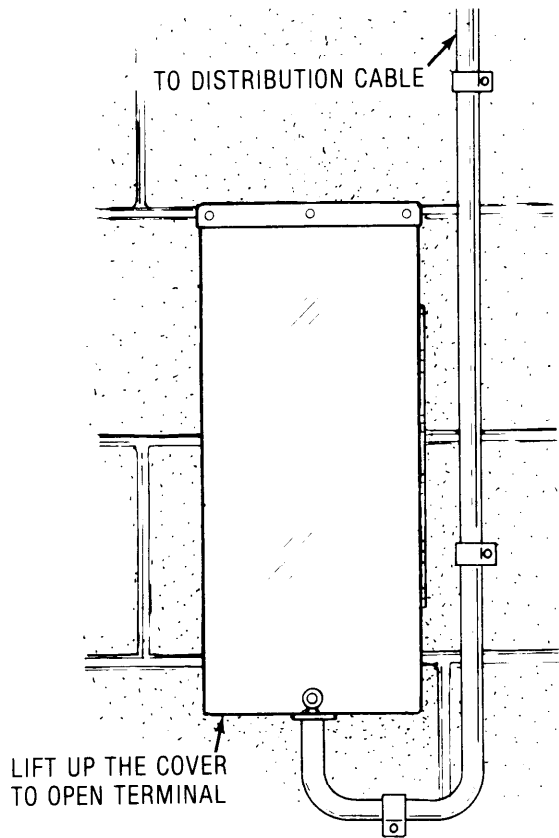
**Fig. 11 — WP Series Cable Terminal (Rear View)**



**Fig. 12 — Installing Terminal on Mounting Bracket**



**Fig. 14 — Terminal Arranged for Splicing to Buried Cable**



**Fig. 13 — Terminal Arranged for Splicing to Aerial Cable**

**3.09** Secure the stub cable of the terminal to the wall in accordance with TABLE A.

**TABLE A**

**ANCHORING DEVICES**

| TYPE OF WALL | ANCHORING DEVICE TO BE USED                  |   |
|--------------|--|---|
|              | FOR MOUNTING BRACKET                         | TO SECURE STUB CABLE  |
| Masonry      | 4—1/4 in. x 1-1/4 in. hammer drive anchors   | No.9 cable clamp with 1/4 in. x 1 in. hammer drive anchor.  |
| Hollow Tile  | 4—1/4 in. x 4 in. toggle bolts               | 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 toggle or 1/8 in. by 4 in. toggle bolt. |
| Wood         | 4—1-1/2 in. No. 14 RH galvanized wood screws | 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.                                      |