

BELL SYSTEM PRACTICES
Outside Plant Construction
and Maintenance

SECTION G61.116.2
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AT&T Co Standard

BE TERMINALS

INSTALLATION

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1. GENERAL

1.01 This section covers the installation of BE Cable Terminals.

2. LOCATING BE TERMINALS

On Poles

2.01 Terminal should be located preferably on the side of the pole nearest the splice pit at bottom of the pole in buried cable systems or on the side to which a subsidiary bend is terminated in underground cable systems.

2.02 BE Terminals may be placed on poles either at **aerial cable level** or **ground working level** as prescribed in detail construction plans.

(a) In the high level construction, **the bottom of the terminal housing** should not be less than 10 feet above sidewalks or 12 feet above residential driveways. Balcony facilities are required for these terminals. Terminals should not overhang highways or driveways other than residential driveways.

(b) In the low level construction, locate the upper mounting bracket of the terminal about 5 feet above ground. No pole balcony facilities are required with BE terminals mounted close to the ground.

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On Walls

2.03 Where a BE Terminal is to be mounted on a building wall, locate it in accordance with the detail construction plans. If the specified terminal location does not appear suitable from the standpoint of construction or safety, or is considered as offering potential maintenance difficulties, notify your supervisor. Locate the terminals:

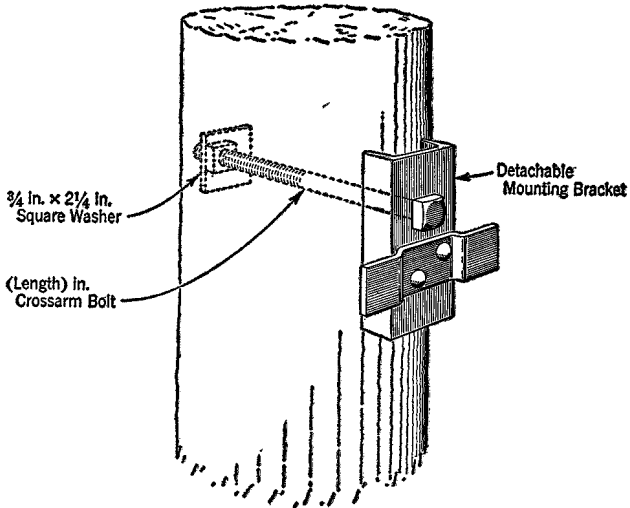
- (a) Where it will be accessible and where it will be possible to work in the terminal without the use of a ladder. Place the upper mounting bracket of the terminal on the wall about 5 feet above ground.
- (b) To clear stairways, fire escapes, etc.
- (c) So as to avoid light and power circuits.
- (d) Where it will not be subjected to damage such as may occur near driveways, machinery, hoists, doors, etc.
- (e) So as to avoid ladders, drains, waste and exhaust pipes.
- (f) Not less than 20 inches from the corner of a building.
- (g) So as to provide sufficient space for opening the doors of the terminal.
- (h) On a firm and even mounting surface.

3. MOUNTING BE TERMINALS

3.01 Terminals are furnished with stub cable coiled within a steel support which protects the cable against damage during shipment and handling of terminals. These supports should preferably not be removed until after the terminals have been permanently mounted.

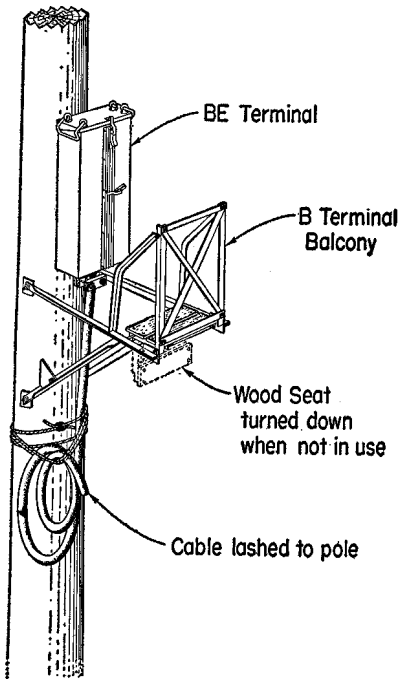
3.02 Mount the terminal on the pole as follows:

- (1) Attach the upper mounting bracket to a pole as shown in the following illustration exercising care to level the cross member. Where the terminal is to be mounted on a masonry wall, attach this bracket to the wall by means of a 1/2-inch Machine Bolt Anchor with a 4-inch Galvanized Machine Bolt or a 1/2-inch x 3-1/2-inch Hammer Drive Anchor. Place a 9/16-inch x 1-3/8-inch Round Washer under the head of the machine bolt or under the collar of the Hammer Drive Anchor.



- (2) Secure a rope sling to the handles at the top of the terminal. Raise the terminal by means of block and tackle or a pole derrick. Guide the terminal during hoisting by means of a handline secured to the terminal handles.
- (3) Hang the terminal by engaging the two hangers on the back of the housing with the cross-member of the installed mounting bracket.
- (4) Level the terminal and fasten the bottom mounting bracket to the pole with two 3/8-inch x 4-inch Drive Screws.

- (5) A pole-mounted BE Terminal equipped with a B Terminal Balcony is illustrated below.



4. PLACING BALCONY FACILITIES

- 4.01 Pole seats and terminal balconies used with BD Terminals are applicable to BE Terminals.
- 4.02 Before proceeding with the installation of balcony facilities below a pole-mounted terminal, remove the steel support protecting the stub cable. Uncoil the stub cable down the pole for a distance of about 4 feet and lash it temporarily to the pole. See illustration in Paragraph 3.02 (5).
- 4.03 Proceed with the installation of the balcony facilities under the BE Terminal as covered in Section G61.115.3 for the BD Terminals.

5. WIRING OF BE TERMINALS

5.01 The procedures for the wiring of BE Terminals are similar to those described in Section G61.115.4 for the BD Terminals except for the routing of the cross-connecting wires which is covered in the following paragraphs.

5.02 In the case of the BE102 and BE202 Terminals, route cross-connecting wires between opposite sides of the binding post chamber over the top of the chamber behind the wire guards.

5.03 In the case of the BE304 and BE404 Terminals, route cross-connecting wires between opposite sides of the chamber as follows:

- (a) Wires from the top 2/3 of the feeder cable pairs over the top of the chamber behind the wire guards.
- (b) Wires from the bottom 1/3 of the feeder cable pairs around the back of the chamber and over the wiring shelf.