

## B-TYPE CABLE TERMINALS

### DESCRIPTION AND INSTALLATION

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**1. GENERAL**

**1.01** This section covers the description and installation of B-type cable terminals.

**1.02** This section is reissued to include two new size cabinets for the BK and BL cable terminals and to delete information on the BF-, BG-, BH-, and BJ-type cable terminals. Since this reissue is a general revision, no revision arrows have been used to denote significant changes.

**1.03** The B-type cable terminals are designed for installation between feeder cables and distribution cables.

**1.04** Additional information on these terminals is covered in the following sections:

SECTION	TITLE
631-040-200	Marking Outside Cross-Connecting Terminals
631-300-213	Placing Pole Seat and Terminal Balcony
631-300-214	Wiring
632-605-205	Splicing

**2. DESCRIPTION**

**2.01** The dimensions of the B-type cable terminals are shown in Table A.

**2.02** Figures 1 through 4 show typical features of the B-type cable terminals.

**2.03** Detachable upper and lower mounting brackets are furnished for wall or pole mounting (see Fig. 3).

**2.04** Each B-type cable terminal is equipped with one 24-gauge, full color coded, PIC stub cable. The stub cables are equipped with air pressure plugs. Additional stub cable data is listed in Table A.

**2.05** Drop wires enter the terminals through holes provided in each lower corner of the housings (Fig. 4).

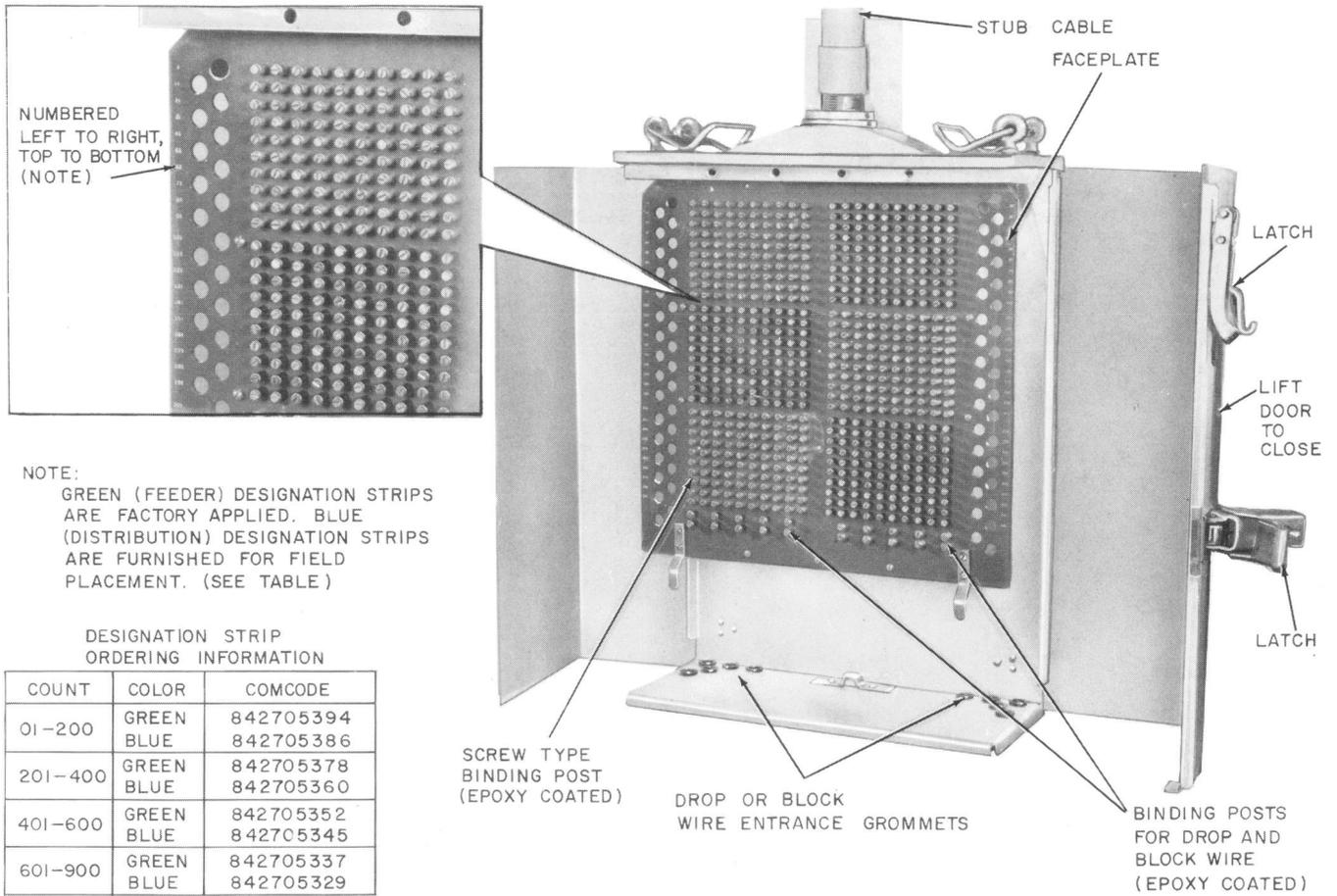
**NOTICE**

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

TABLE A

B-TYPE CABLE TERMINALS

CODE	DIMENSIONS (INCHES)			STUB CABLE DATA			
	HEIGHT	WIDTH	DEPTH	LENGTH (FT)	STUB CABLE LOCATION	CABLE SHEATH	CONDUCTOR INSULATION
BK - 100	25.4	18.3	7.9	10 or 25	TOP	ALPETH	PIC
BK - 200							
BK - 300							
BK - 400	42.6	18.3	7.9				
BK - 600							
BK - 900							
BL - 100							
BL - 200							
BL - 300	25	18.3	7.9	BOTTOM	PASP	PIC	
BL - 400							
BL - 600							
BL - 900	49.2	18.3	7.9				



NOTE:  
 GREEN (FEEDER) DESIGNATION STRIPS ARE FACTORY APPLIED. BLUE (DISTRIBUTION) DESIGNATION STRIPS ARE FURNISHED FOR FIELD PLACEMENT. (SEE TABLE)

DESIGNATION STRIP ORDERING INFORMATION

COUNT	COLOR	COMCODE
01-200	GREEN	842705394
	BLUE	842705386
201-400	GREEN	842705378
	BLUE	842705360
401-600	GREEN	842705352
	BLUE	842705345
601-900	GREEN	842705337
	BLUE	842705329

Fig. 1—BK-100, -200, or -300 Cable Terminal (Small Housing)

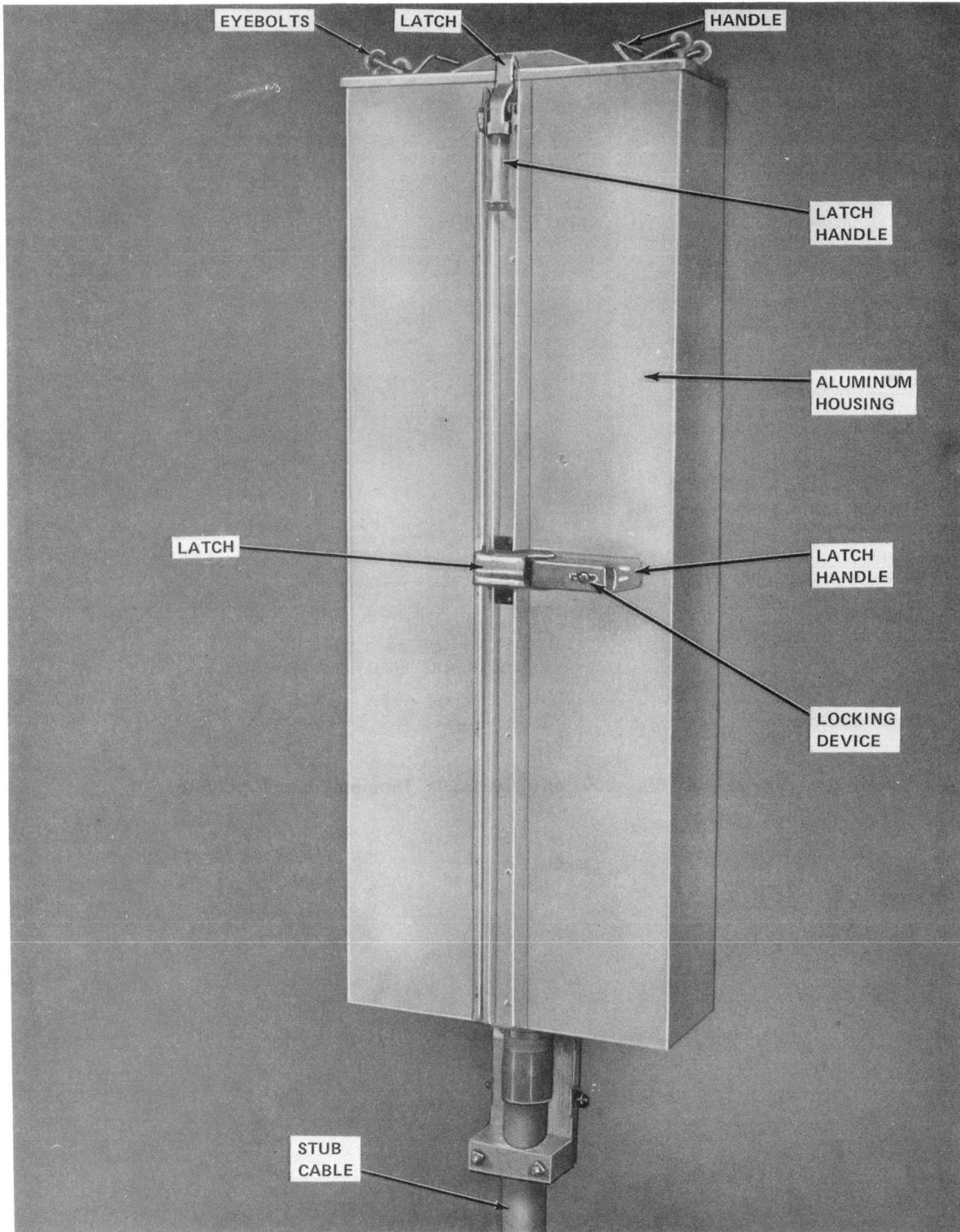
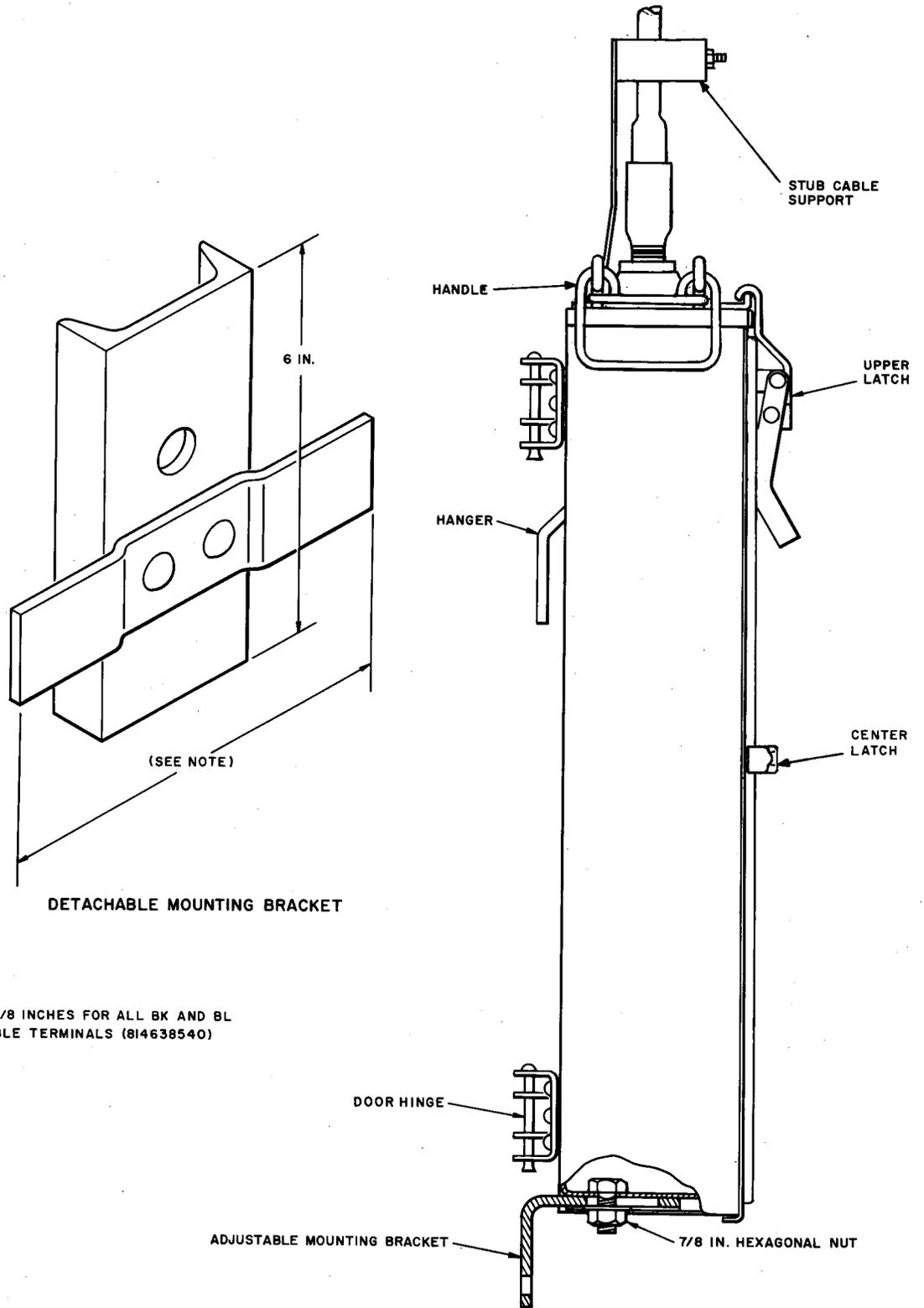


Fig. 2—BL-900 Cable Terminal



NOTE:  
12 7/8 INCHES FOR ALL BK AND BL  
CABLE TERMINALS (814638540)

Fig. 3—B-Type Cable Terminal (Side View)

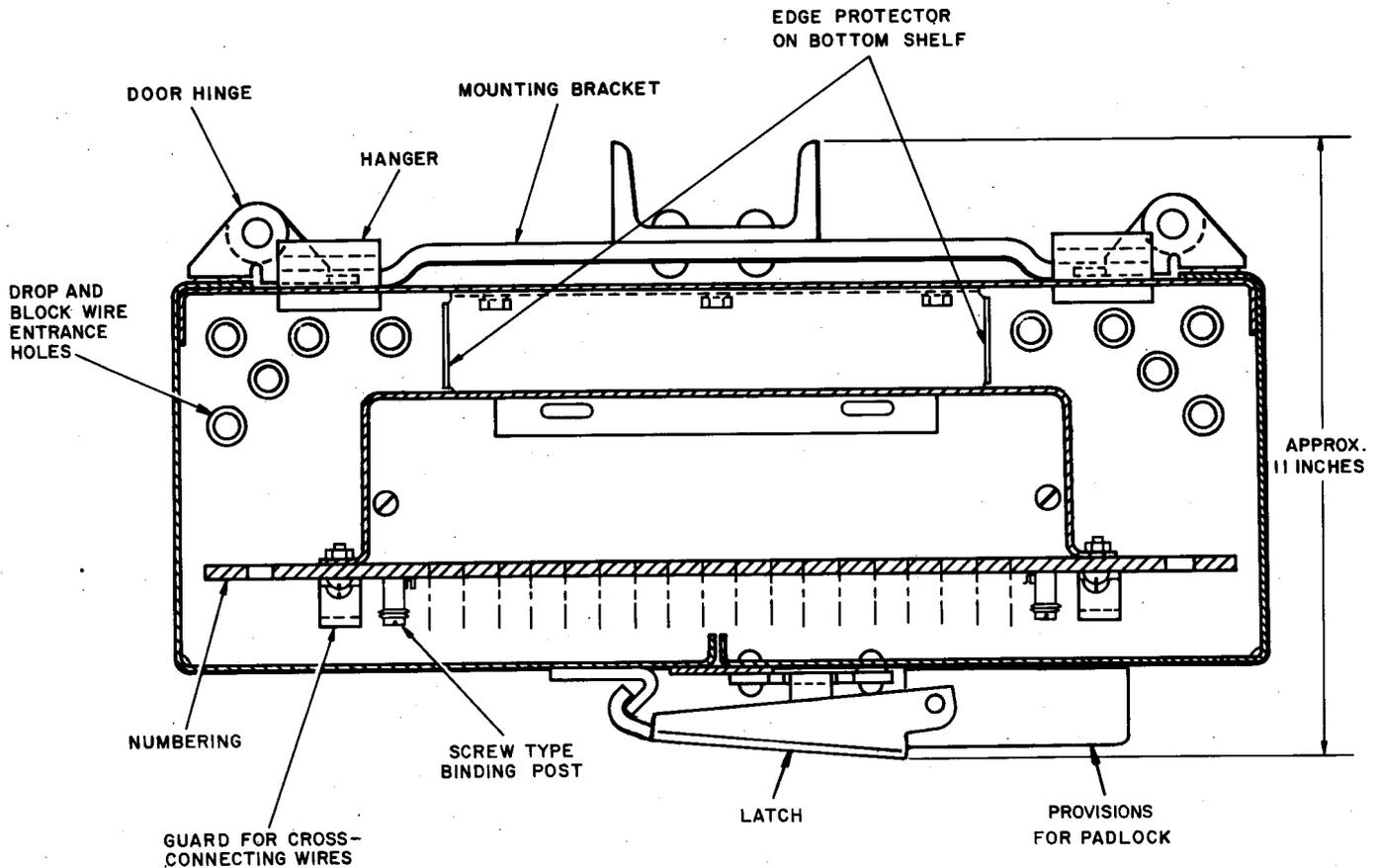


Fig. 4—B-Type Cable Terminal (Cross Section)

### 3. LOCATING ON POLES AND WALLS

#### POLE LOCATIONS

**3.01** B-type terminals may be placed on poles either at aerial cable level or ground working level as prescribed on detail plans. The preferred location is on the splice side of the pole so the stub cable will not cross the pole to reach the splice. If the terminal in this position overhangs a highway or driveway, locate it on the opposite side of the pole or, if preferable, on the field side of the pole.

**3.02** In high level construction, locate the through bolt which secures the detachable mounting bracket a minimum of 3 feet, 6 inches (maximum 5 feet, 6 inches) below the lowest suspension strand. The bottom of the terminal shall not be less than 10 feet above a sidewalk or less than 15 feet above a driveway.

**3.03** In low-level construction, locate the upper mounting bracket of the terminal about 5 feet above grade level. Pole balcony facilities are not required with terminals mounted close to the ground.

#### WALL LOCATIONS

**3.04** Where a terminal is to be mounted on a building wall, locate it in accordance with the detail 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. The terminal should be located:

- (a) With the upper mounting bracket approximately 5 feet above grade level. This height may be increased if by so doing the possibility of accidents is reduced or damage to the terminal can be avoided.

- (b) To clear stairways, fire escapes, etc.
- (c) Where electric light and power circuits will be avoided.
- (d) Where it will not be subjected to damage such as may occur near driveways, loading platforms, moving machinery, hoists, doors, shutters, etc.
- (e) Where leaders, drains, waste and exhaust pipes will be avoided.
- (f) Not less than 20 inches from the corner of a building.
- (g) To provide sufficient space for opening both doors of the terminal.
- (h) On a firm and even surface.

#### 4. MOUNTING ON POLES AND WALLS

**4.01** Terminals are furnished with a stub cable coiled at the side of the terminal and strapped to the terminal for protection against damage during shipment and handling. These straps should not be removed until after the terminal has been permanently mounted.

#### 4.02 To place the terminal:

- (1) Secure mounting bracket to pole as shown in Fig. 5, exercising care to level the cross member. Where the terminal is to be placed on a masonry wall, attach mounting bracket with a 1/2-inch machine bolt anchor and a 4-inch galvanized machine bolt or a 1/2 by 3-1/2 inch hammer drive anchor. Place a 9/16 by 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 so the top of the sling is above the stub cable support. Raise the terminal by means of block and tackle or a winch line passed through a snatch block secured to

the pole, and engage the terminal hangers with the installed mounting bracket. Guide the terminal during hoisting by means of a handline secured to the handles.

- (3) Remove the adjustable mounting bracket, which is reversed for packing, and reattach it so the vertical portion extends below the bottom of the terminal.
- (4) Level the terminal, viewing it from the front, and fasten the bracket to the pole with a 3/8- by 4-inch drive screw. Where the terminal is mounted on a masonry wall, attach to the wall by means of a 3/8- by 2-inch hammer drive anchor.
- (5) Level the terminal, viewing it from the side, and tighten the nut of the adjustable mounting bracket with a lineman's wrench.

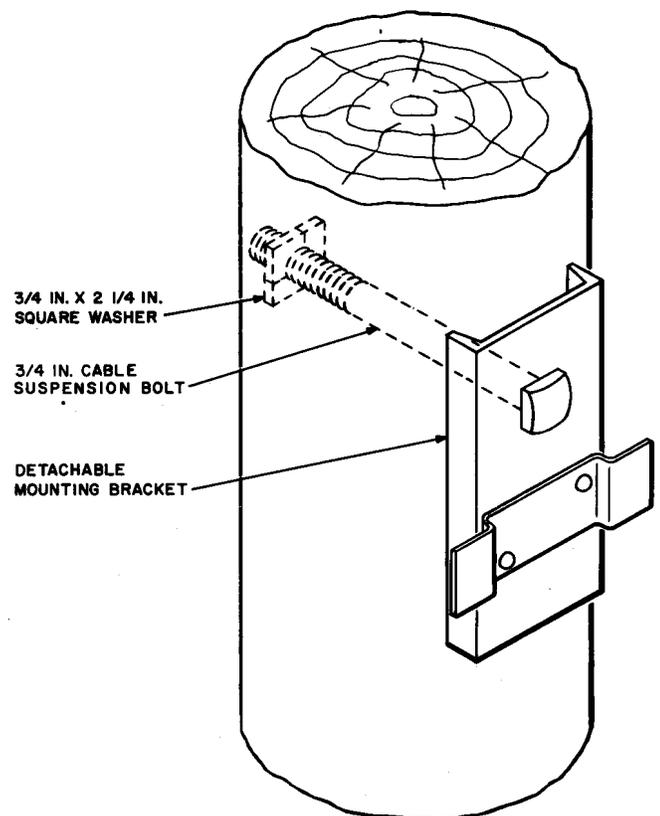


Fig. 5—Securing Detachable Mounting Bracket

5. REPLACEMENT PARTS

5.01 Parts for the B-type cable terminals available as field replacement or modifications are shown in Fig. 6.

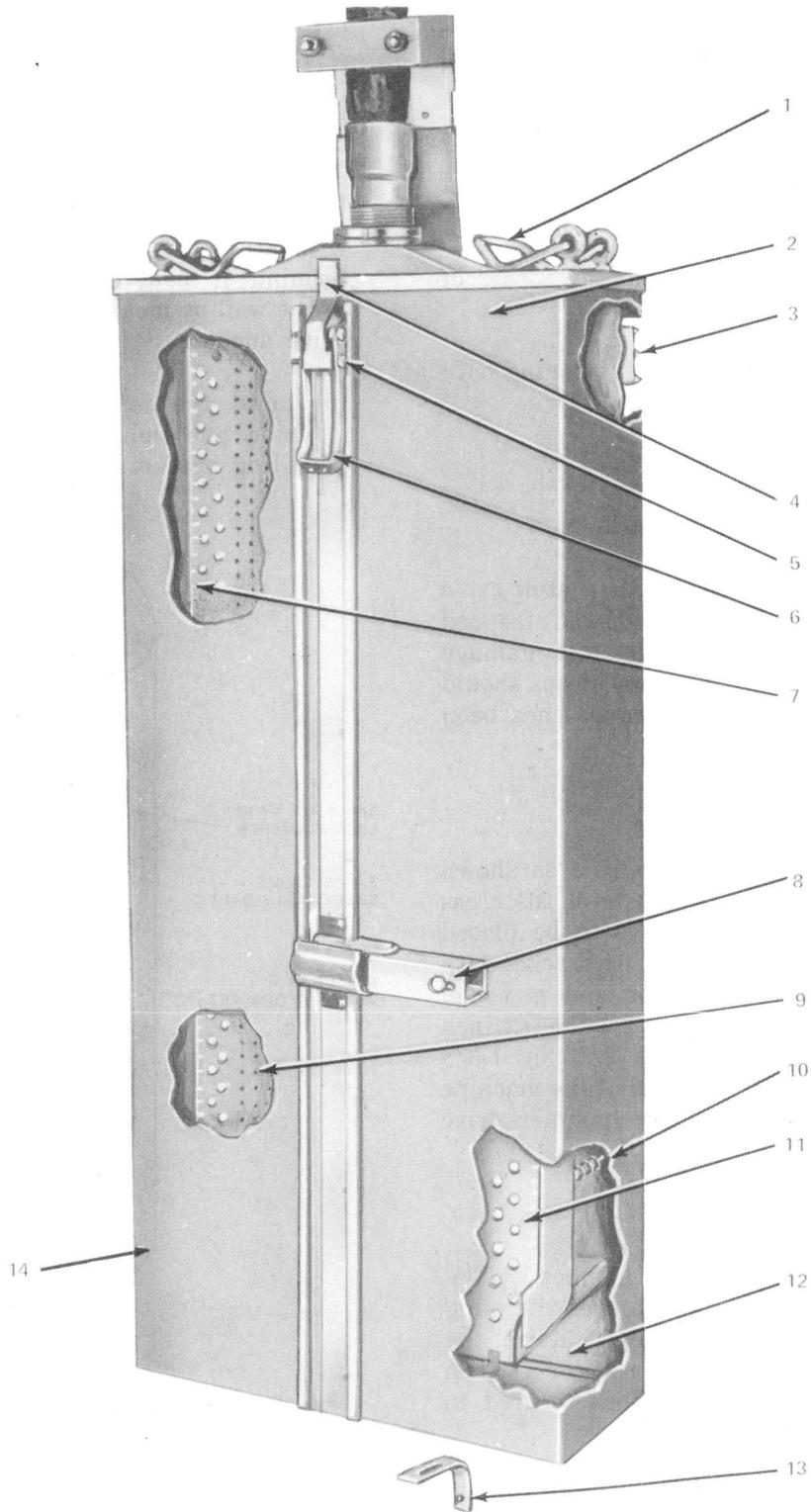


Fig. 6—Replacement Parts

NO.	NOMENCLATURE	COMCODE	APPLICATION
1	HANDLE ASSEMBLY	842325953	ALL CODES
	LEAD WASHER (TO SEAL EYE BOLTS)	804670156	(ASSEMBLY HAS TWO EYE BOLTS AND HANDLE WITH WELDED RETAINER)
2	RIGHT DOOR (HAS HINGES AND UPPER LATCH BASE)	842326118	BK-100, BK-200, BK-300 BL-100, BL-200, BL-300
		842326126	BK-400, BK-600, BL-400, BL-600
		842326134	BK-900, BL-900, BH-600, BJ-600
3	HINGE	814618583	ALL CODES
	HINGE ASSEMBLY (HAS STAYPIN)	814618831	ALL RIGHT DOORS
		814618591	ALL LEFT DOORS
4	LATCH	804645513	ALL UPPER LATCHES AND CENTER LATCH ON BH AND BJ
5	RIVET	842326787	
6	LATCH HANDLE	811217140	ALL UPPER LATCHES AND CENTER LATCH ON BH-300, BH-400, BH-600, BJ-400, BJ-600
7	MARKER (FOR GREEN FIELD)	842705394	NUMBERS 1 TO 200 INCREMENTS OF TEN
		842705378	NUMBERS 201 TO 400
		842705352	NUMBERS 401 TO 600
		842705337	NUMBERS 601 TO 900
8	LATCH ASSEMBLY	842325946	ALL BK AND BL CODES
9	SCREW ASSEMBLY	842325557	ALL CODES
10	WIRE GUARD	841083348	ALL CODES
11	MARKER (FOR BLUE DISTRIBUTION FIELD)	842705386	NUMBERS 1 TO 200 INCREMENTS OF TEN
		842705360	NUMBERS 201 TO 400
		842705345	NUMBERS 401 TO 600
		842705329	NUMBERS 601 TO 900
12	GROMMET	803764208	ALL BK, BL, AND BJ CODES
13	ADJUSTABLE MOUNTING BRACKET	804645364	ALL BK AND BH CODES
14	LEFT DOOR (HAS HINGES)	84236175	BK-100, BK-200, BK-300, BL-200, BL-300
		842326183	BK-400, BK-600, BL-400, BL-600
		842326191	BK-900, BL-900, BH-600, BJ-600
	BINDING POST INSULATORS	AT-6798 (NO. 3)	ALL SUPERSEDED CODES (NOTE)
		AT-6798 (NO. 10)	ALL NEW CODES (NOTE)

Note: THESE PIECE PARTS ARE ACCESSORIES AND CAN BE ORDERED SEPARATELY AS NEEDED.