

PROTECTING UNEXPOSED CABLE AT  
EXPOSED WIRE CONNECTIONS

2. SELECTION OF PROTECTORS

2.03 If exposed drop or block wires are to be connected to unexposed cables at 49-type terminals, equip the terminals for station protection. To do this, use 3A2B-3 (F-53458) terminal blocks. Remove the 2A1B protector units and the stud and sleeve assemblies (See 460 DIV. INDEX and replace with P-13A683 stud and sleeve assemblies and 2A1A protector units.

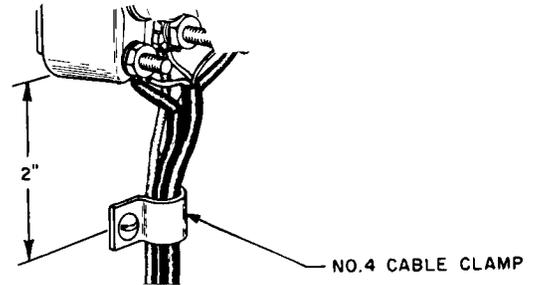


Fig. 1 - 123A1A Protector

TABLE A - GROUND WIRE SIZES

| Protector         |                 | Ground Wire Size |
|-------------------|-----------------|------------------|
| Type              | Number Required |                  |
| 123A1A<br>or 111A | 1               | No. 14           |
| 123A1A<br>or 111A | 2               | No. 12           |
| 116C<br>or 116A   | 1               | No. 10           |

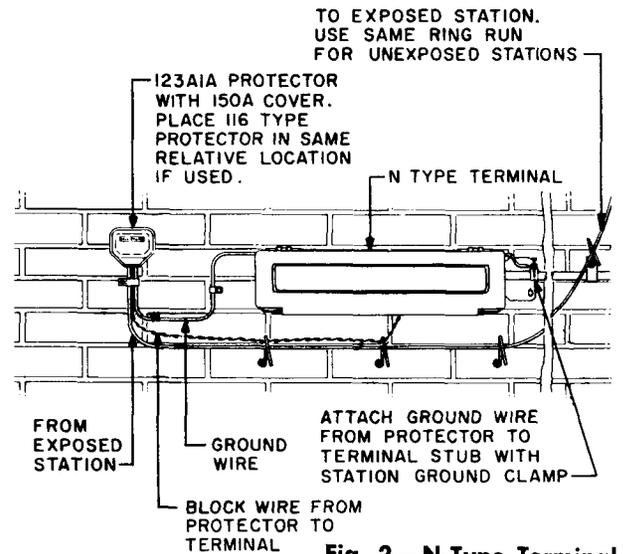


Fig. 2 - N-Type Terminal

TABLE B - FASTENING DEVICES

| Apparatus                    | Fasteners                                 |                                                                                   |                                 |                                        |
|------------------------------|-------------------------------------------|-----------------------------------------------------------------------------------|---------------------------------|----------------------------------------|
|                              | Wood                                      | Masonry                                                                           | Hollow Tile                     | Backboard                              |
| 123A1A Protector             | 2, 1 in. No. 8 R.H. Galv Wood Screws      | 2, 1-1/4 in. No. 8 R.H. Galv Wood Screws in 6-8 x 3/4 Screw Anchors or Drive Pins | 2, 1/8 in. x 4 in. Toggle Bolts | 2, 3/4 in. No. 8 R.H. Galv Wood Screws |
| Backboard                    |                                           |                                                                                   |                                 | X                                      |
| 116-Type Protector           | 4, 1-1/2 in. No. 14 R.H. Galv Wood Screws | 4, 1/4 in. x 1-1/4 in. Hammer Drive Anchors or Drive Pins                         | 4, 1/4 in. x 4 in. Toggle Bolts | X                                      |
| N- or 53-Type Cable Terminal |                                           |                                                                                   |                                 | X                                      |
| 51-Type Bracket              |                                           |                                                                                   |                                 | X                                      |

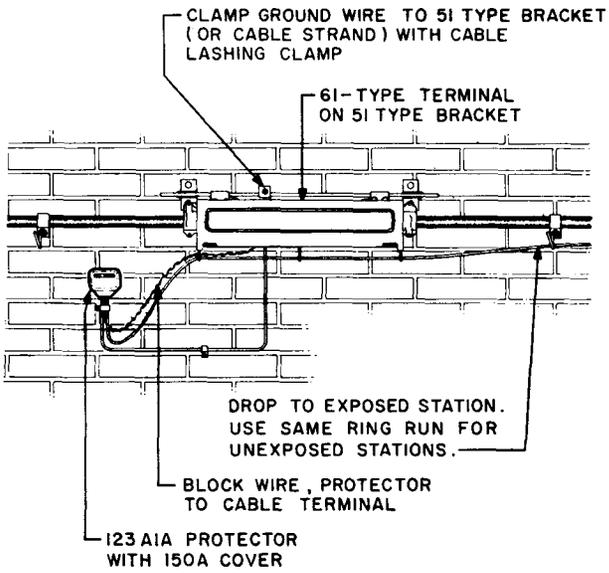


Fig. 3 - 61-Type Terminal - Wall Installation

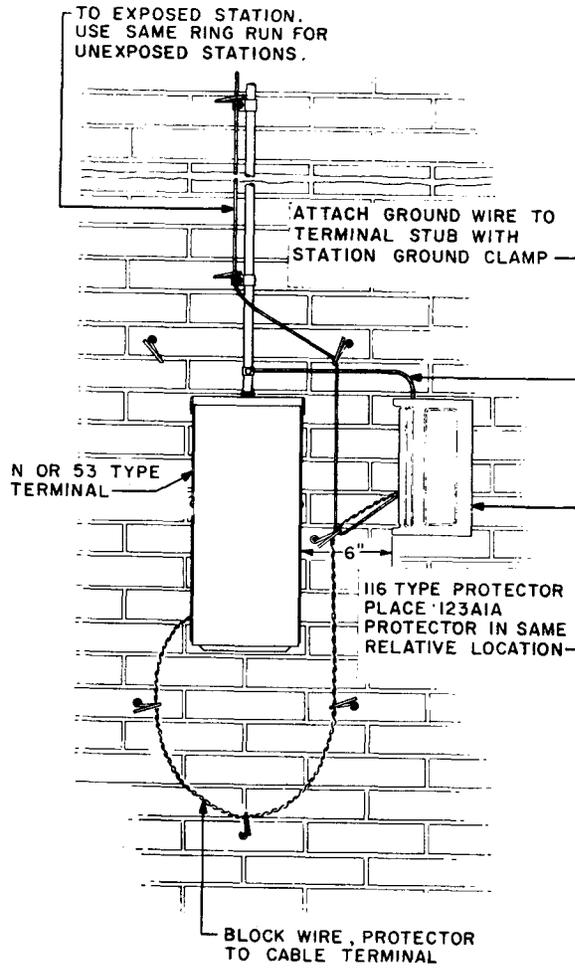


Fig. 4 - N- or 53-Type Terminal - Wall Installation

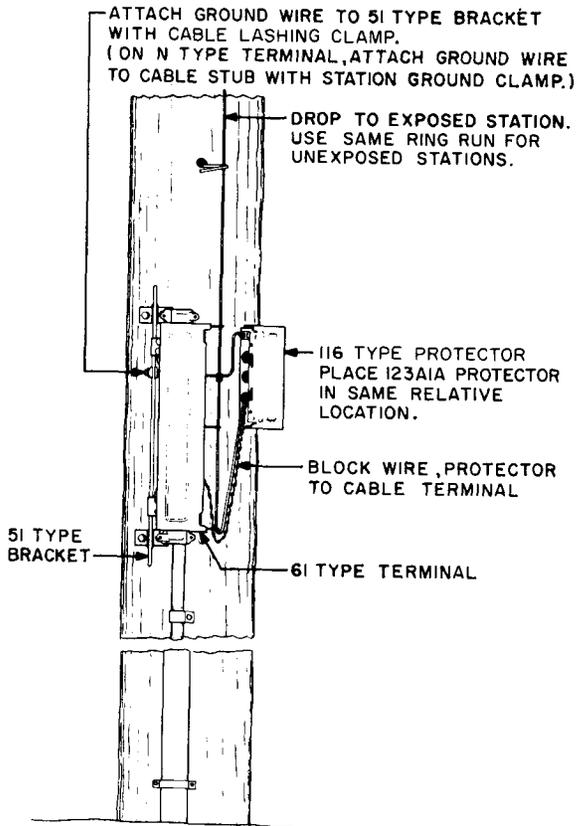


Fig. 5 - N- or 61-Type Terminal - Pole Installation

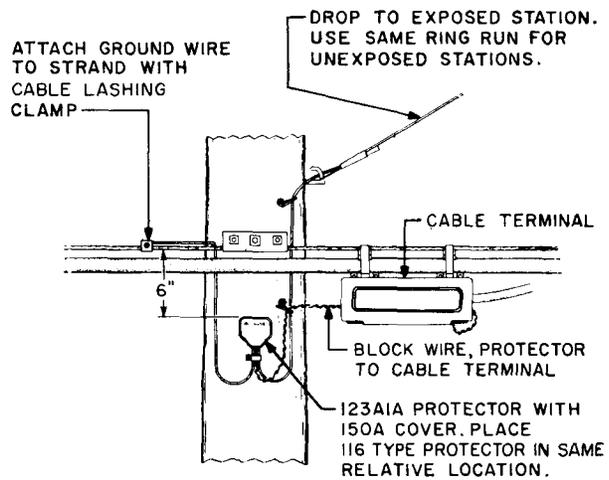


Fig. 6 - N-Type Terminal Strand Installation