

BELL SYSTEM PRACTICES
Outside Plant Construction
and Maintenance

SECTION G32.122.2
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AT&T Co Standard

DROP AND BLOCK WIRING

WIRING OF N TYPE DISTRIBUTION

CABLE TERMINALS ON POLES

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1. GENERAL

- 1.01 This section covers the procedures for wiring N Type Distribution Cable Terminals on poles.
- 1.02 The reason for the reissuance of this section is the standardization of the NC26 and NE26 Distribution Cable Terminals. This section replaces Issue 1.
- 1.03 When placing new connections, the wire should be run through the three drive rings situated below the terminal in order to provide enough slack to enable any wire to reach any pair of binding posts in the event of changes in cable pair assignments. Wire should be loosely placed so as to avoid sharp bends around drive rings which may cause damage to the wire insulation.
- 1.04 In making bridging connections on the terminal, do not bridge more than two pairs of wire conductors on each pair of binding posts. Where additional bridging is necessary follow the procedure outlined in Paragraph 5.02 utilizing 101A Wire Terminals.

1.05 On the occasion of each terminal visit, do the following:

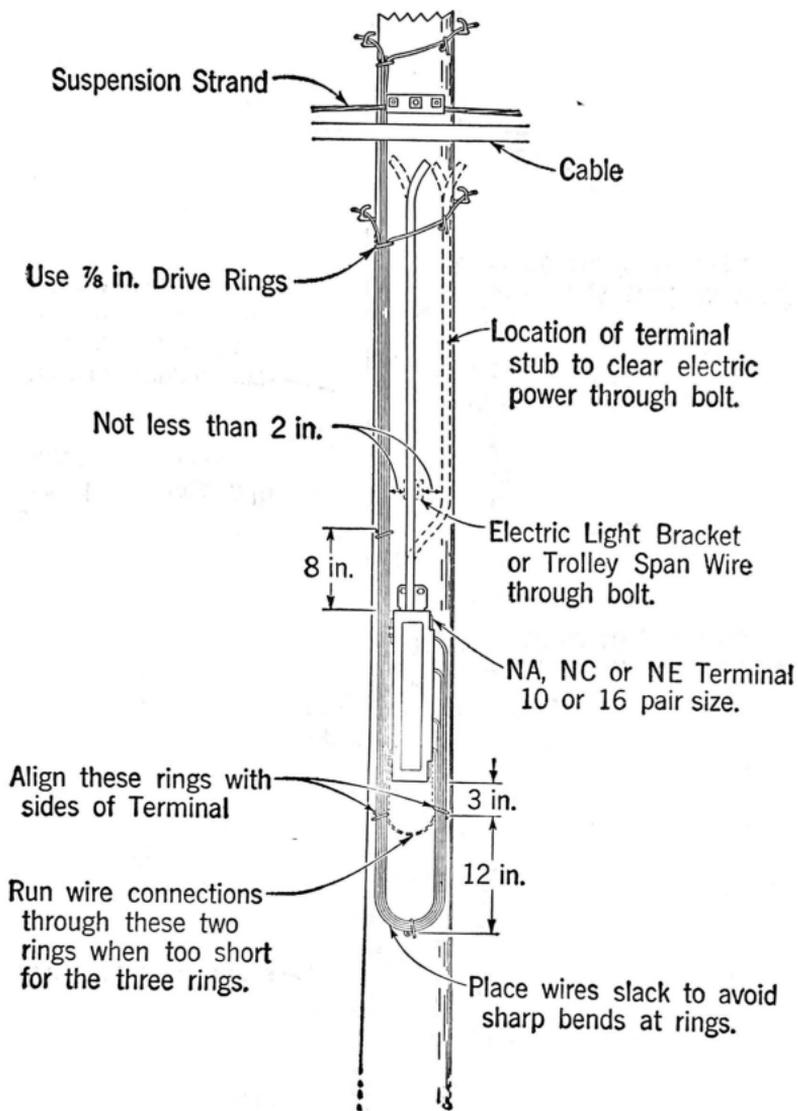
- (a) Turn down the nuts on all unused binding posts fingertight to keep contact areas as clean as possible.
- (b) Brush the face-plate with a Water Tool Brush to remove any dirt.
- (c) Trim frayed ends of wires which might cause leakage between adjacent wires or binding posts.

1.06 **Precaution:** When cutting off ends of wire terminated on binding posts of terminals, wear eye protection or place the free hand over the binding posts before cutting the wire.

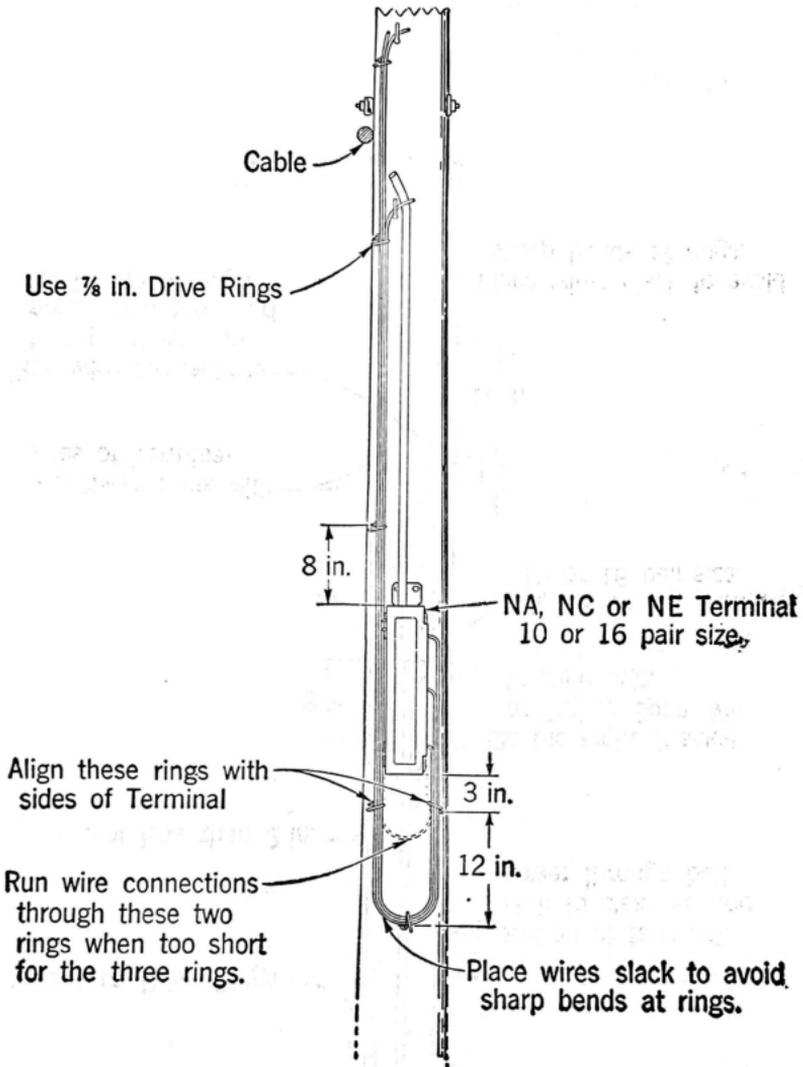
2. WIRING AT NA, NC AND NE 10 AND 16 PAIR TERMINALS MOUNTED ON POLES

2.01 **Terminal with Stub at Top:** Install drive rings and run wires as shown in the following illustration. On new connections run the wire through the three rings below the terminal. When necessary to obtain slack for transferring wire connection from binding posts near the bottom of the terminal to binding posts near the top, use only the two top rings.

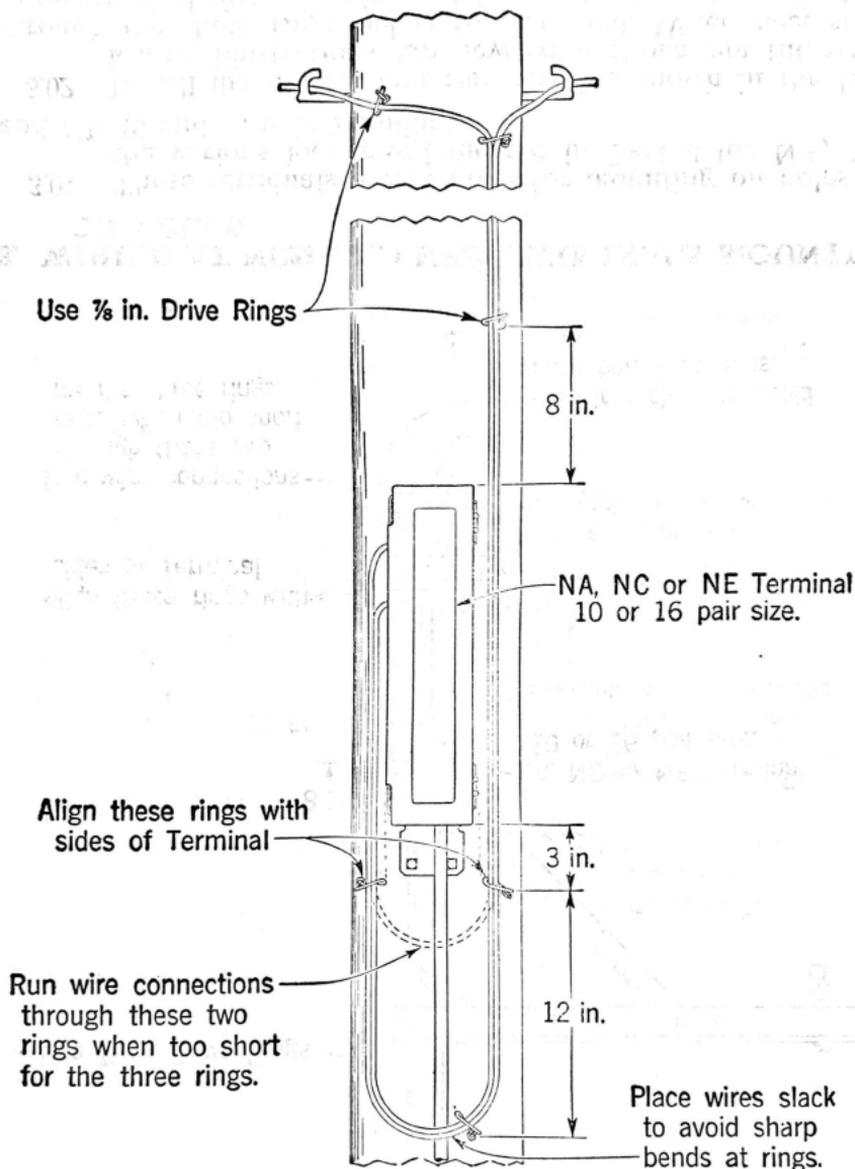
(a) Terminal on cable side of pole.



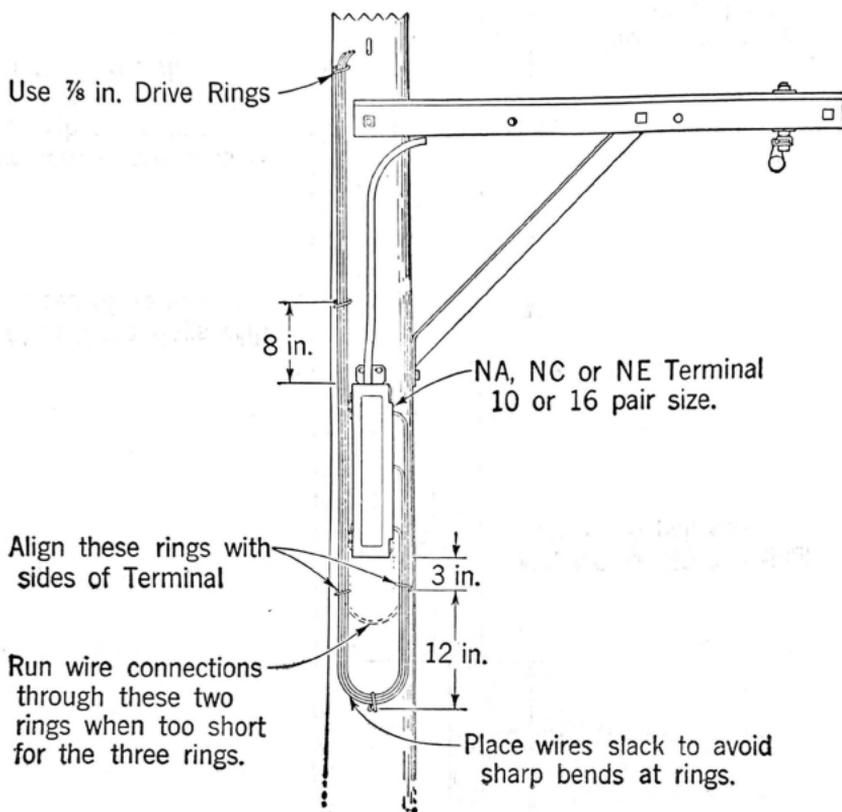
(b) Terminal on face or back of pole.



2.02 **Terminal with Stub at Bottom:** Install drive rings and run wires as shown below.



2.03 **Terminal on Cable Extension Fixture Pole:** Install drive rings and run wires as shown below.

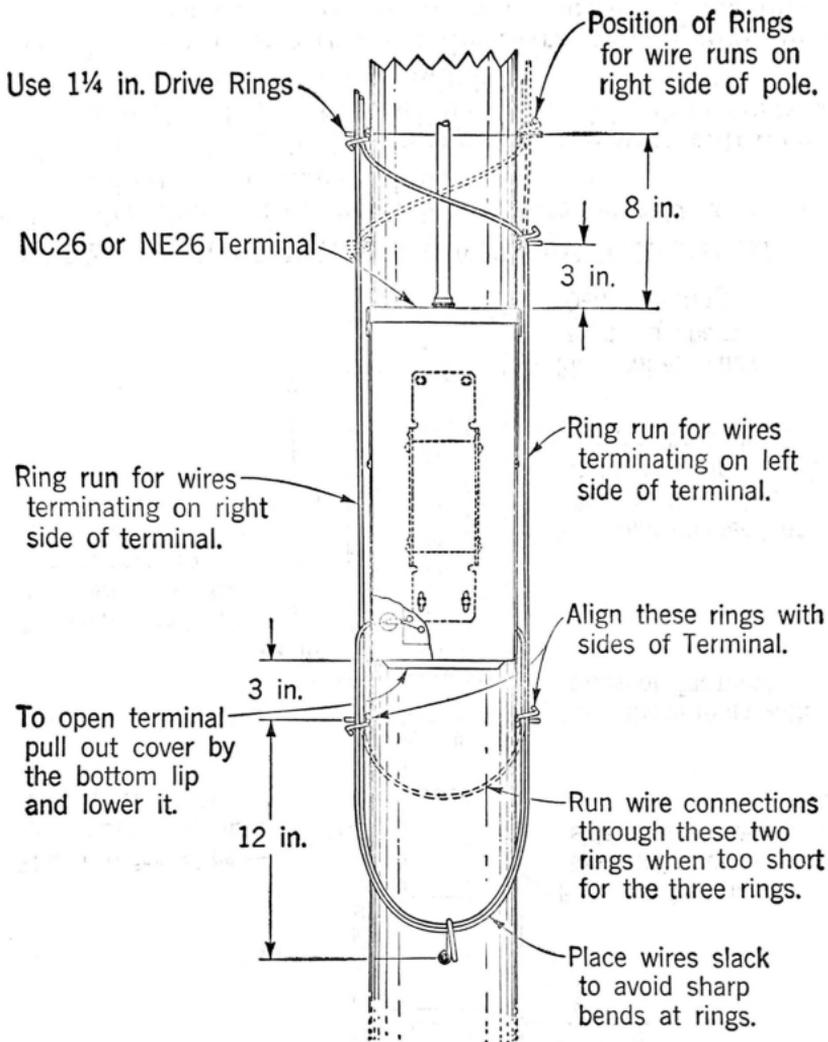


3. WIRING AT NC26 AND NE26 TERMINALS MOUNTED ON POLES

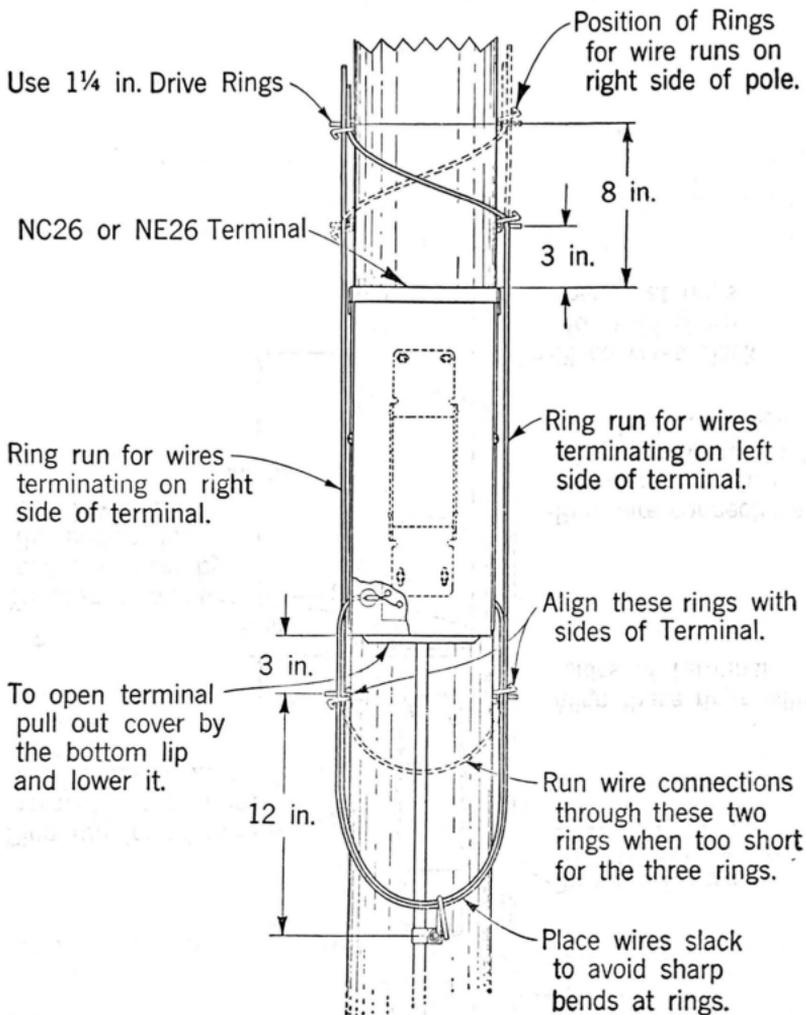
3.01 These terminals are suitable for mounting on poles at the various locations indicated in Part 2 for NA, NC and NE 10 and 16 pair Terminals.

3.02 Install drive rings and run wires as shown in the following illustrations. On new connections run the wire through the three rings below the terminal. When necessary to obtain slack for transferring wire connections, use only the two top rings.

(a) Terminal with Stub at Top:



(b) **Terminal with Stub at Bottom:**

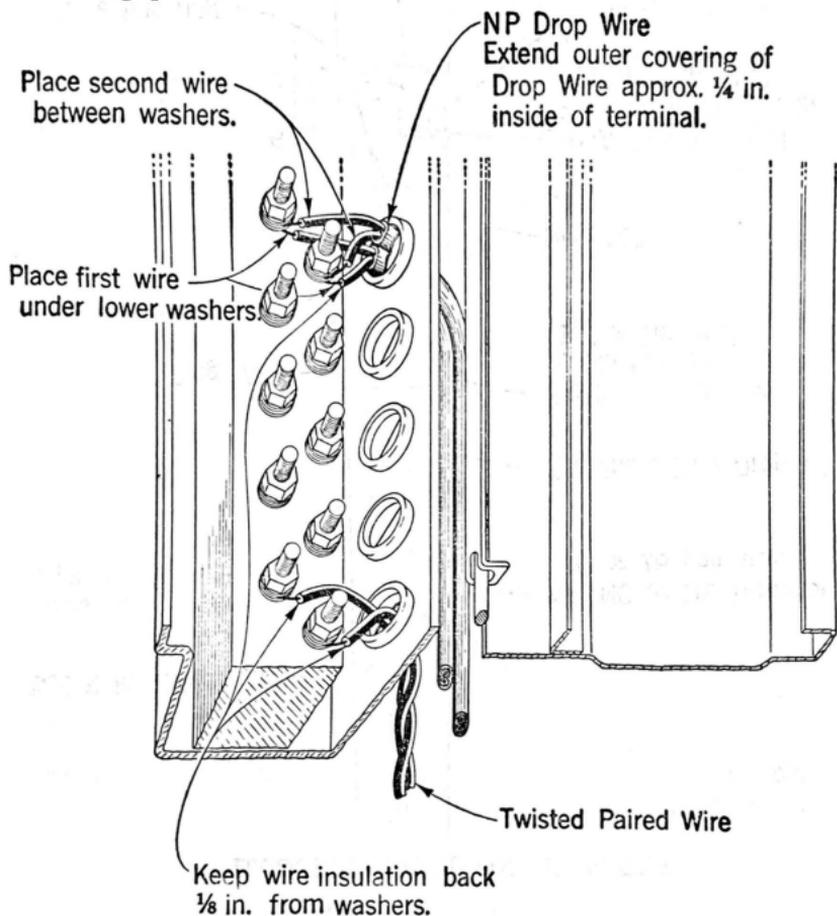


4. TERMINATING WIRE AT N TYPE TERMINALS

4.01 Terminate drop wire, block wire or HD wire at terminals as outlined below.

- (a) Break through the grommet of the wire entrance hole associated with the assigned pair of binding posts using long-nose pliers or other suitable tool.
- (b) Insert the wire through the entrance hole and cut it to the desired length for termination in the terminal.
- (c) Pull out the wire and proceed to skin and clean the ends preparatory to terminating.

- (d) Loosen the nuts of the assigned pair of binding posts. Clean any dirt accumulated on the binding posts with a dry Water Tool Brush.
- (e) Reinsert the wire through the entrance hole and proceed to terminate it on the assigned pair of binding posts. Place the tracer conductor on the battery or ring binding posts and the plain conductor on the other post. Arrange the conductors so they do not contact adjacent binding posts.



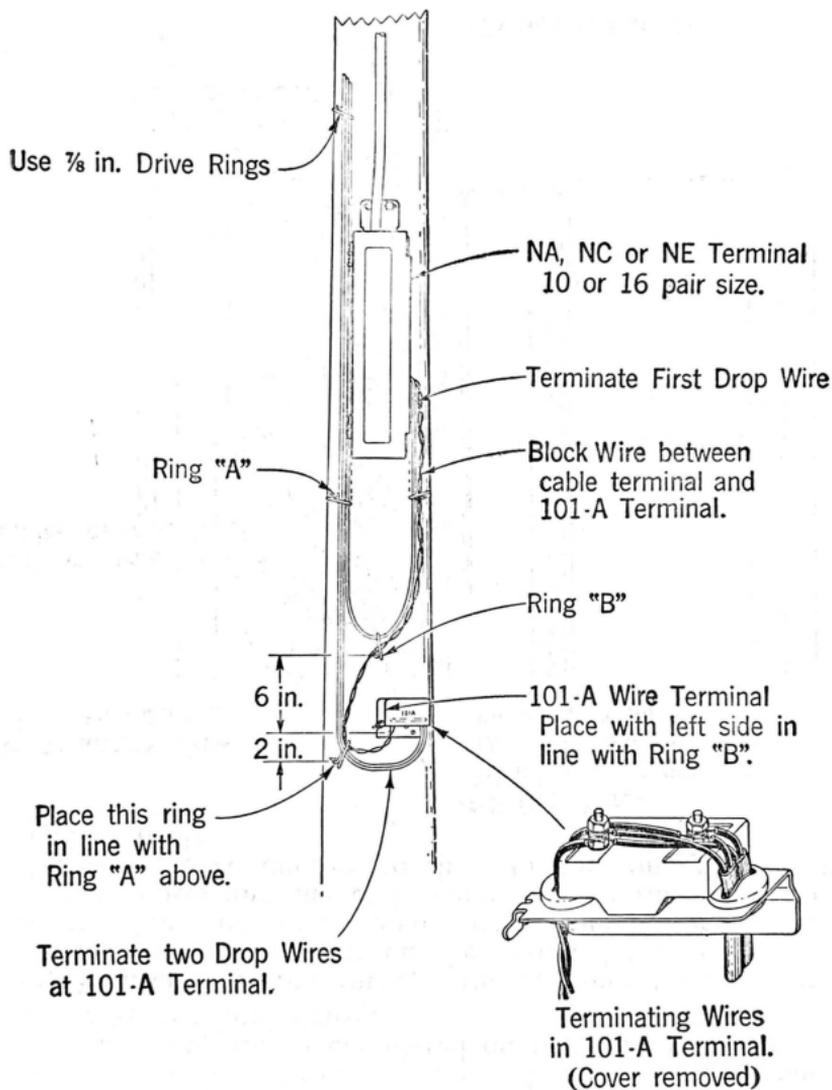
5. BRIDGING WIRES AT TERMINALS

5.01 **Bridging a Second Wire at a Terminal:** Normally the first wire is terminated on the binding post under the bottom washer. Place the second wire between the two washers following the same procedure indicated in Paragraph 4.01 for terminating wire.

5.02 **Bridging More Than Two Wires at a Terminal.**

(a) **Bridging Three Wires:** Terminate one of the wires in the cable terminal and the other two in a 101A Wire Terminal. Bridle between the cable terminal and wire terminal with block wire. The setup of terminals and wiring is illustrated below.

BRIDGING THREE DROP WIRES



(b) **Bridging Four Wires:** Use two 101A terminals and terminate two drop wires in each wire terminal. Bridle between each 101A terminal and cable terminal with block wire. Place the block wire under the bottom washer in each wire terminal. The setup is illustrated below.

BRIDGING FOUR DROP WIRES

