LOCATION OF STRAIN INSULATORS

EXPOSED CABLE GUYS (NOT IN PROXIMITY)

ILLUSTRATIONS

Contents

1. GENERAL

1.01 This section contains illustrations showing the location of strain insulators in exposed cable guys (not in proximity) in accordance with the requirements given in Section G23.140.1, Grounding or Insulating Guys - General Requirements.

1.02 The illustrations contained herein cover the conditions most generally encountered. For other conditions, insulators, if required, should be located in accordance with the instructions given in Section G23.140.1.

2. ISOLATED AERIAL CABLE

2.01 The location of strain insulators required to be installed in guys from an isolated aerial cable (see Section G23.140.1, Paragraph 2.04), because of exposure to voltages of 250-20,000 only, shall be identical to that shown in the illustrations for exposed open wire guys. No electrical separation is required between the guy and the suspension strand and cable sheath.

3. AERIAL CABLE CONNECTED TO A BURIED OR UNDERGROUND CABLE OR CENTRAL OFFICE GROUND

3.01 Exposed to 250-20,000 volts only (not in proximity). Generally, where a guy to a aerial cable is exposed to voltages of 250-20,000 only, the guy should be grounded to a grounded suspension strand or cable sheath (see Section G23.140.1, Paragraph 7.01). The following illustration covers the location of strain insulators in situations where grounding to the suspension strand is not considered satisfactory:

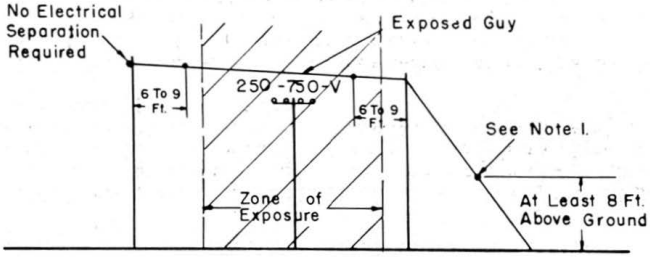

FIG. 501

Note 1: This insulator may be omitted if anchor guy is not directly exposed and is not electrically connected to exposed portion of overhead guy.

3.02 Exposed to 250-20,000 volts plus other exposure of over 20,000 volts.

(a)

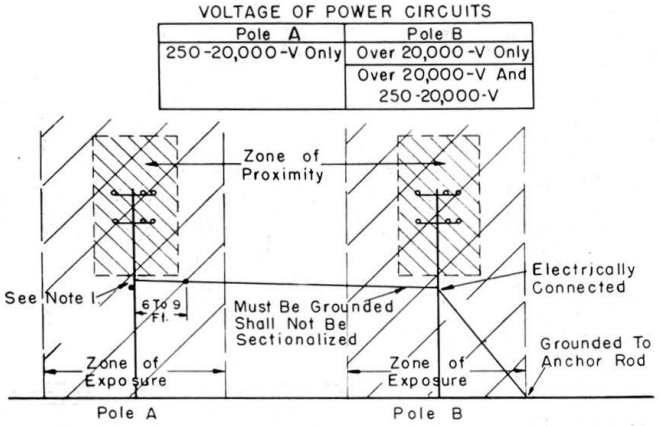

FIG. 502

Note 1: An electrical separation of 4 inches of pole surface shall be maintained between metallic parts of overhead guy and suspension strand and cable.

(b)

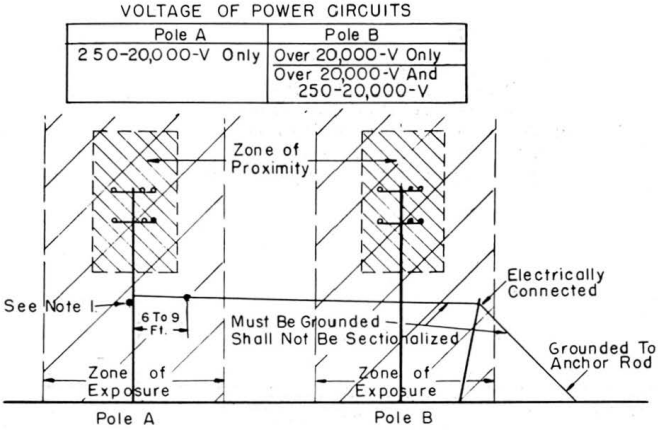

FIG. 503

Note 1: An electrical separation of 4 inches of pole surface shall be maintained between metallic parts of overhead guy and suspension strand and cable.