LOCATION OF STRAIN INSULATORS

EXPOSED OPEN WIRE GUYS (NOT IN PROXIMITY)

ILLUSTRATIONS

Contents

1. GENERAL

1.01 This section contains illustrations showing the location of strain insulators in exposed open wire 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. NON-JOINT CONSTRUCTION

2.01 Anchor Guys

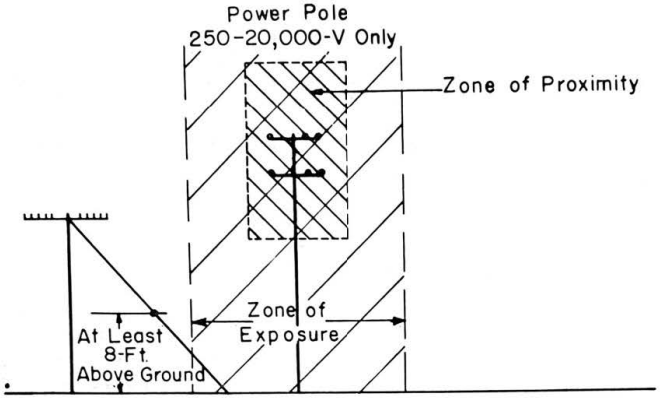

FIG. 401

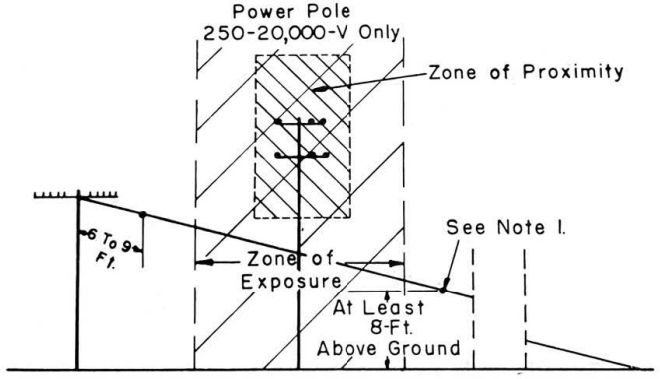

FIG. 402

Note 1: Omit this insulator if it cannot be located outside zone of exposure.

2.02 Overhead Guys

(a)

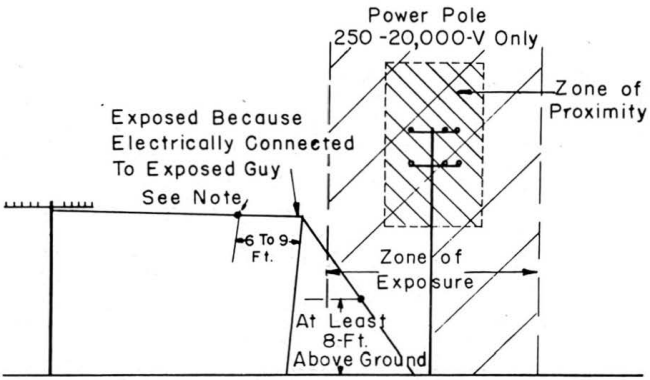

FIG. 403

Note: This insulator may be omitted if overhead guy is not directly exposed and an electrical separation of 4 inches of pole surface is maintained between metallic parts of overhead guy and anchor guy.

(b)

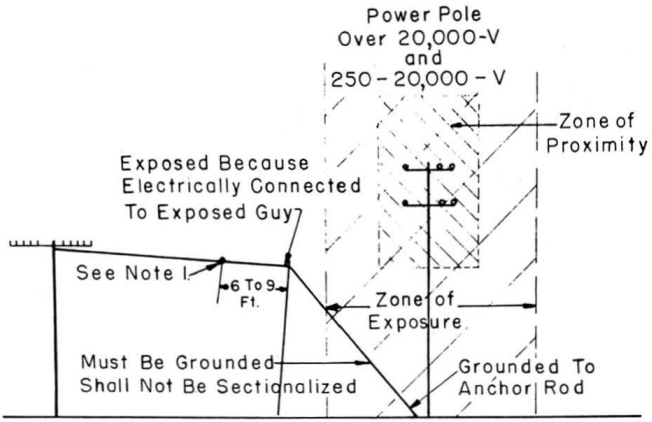

FIG. 404

Note 1: This insulator may be omitted if overhead guy is not directly exposed and an electrical separation of 4 inches of pole surface is maintained between metallic parts of overhead guy and exposed anchor guy.

This insulator should be omitted if exposure is to voltage over 20,000 only.

(c)

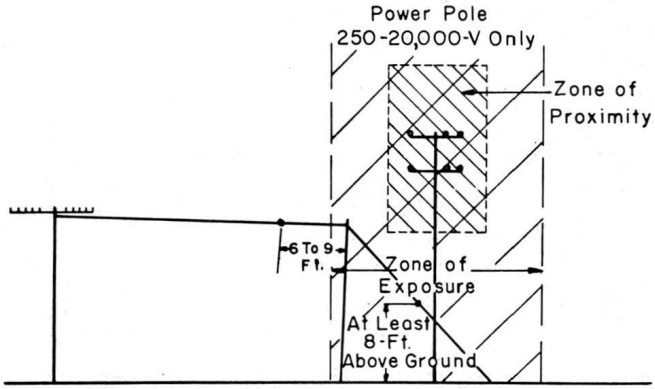

FIG. 405

(d)

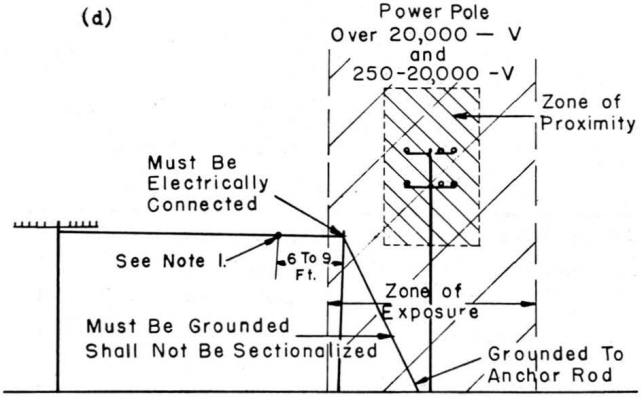

FIG. 406

Note 1: This insulator should be omitted if exposure is to voltage over 20,000 only.

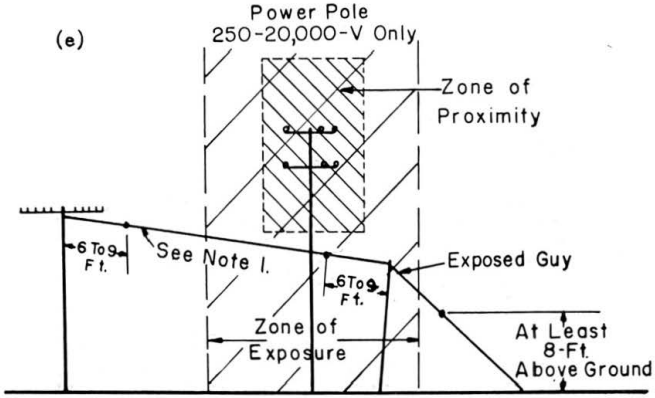

FIG. 407

Note 1: One insulator is sufficient when overhead guy is less than 17 feet in length.

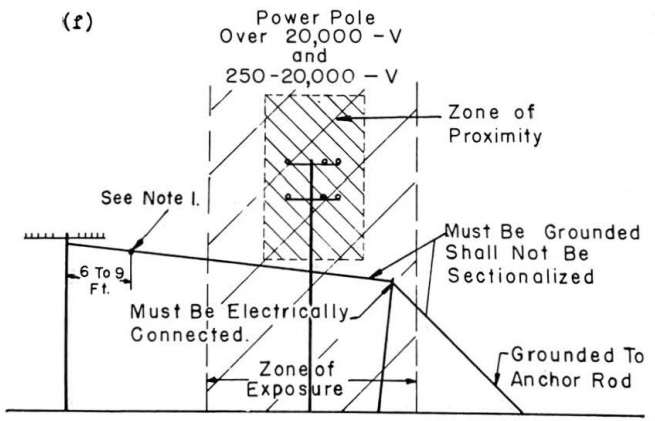

FIG. 408

Note 1: This insulator should be omitted if exposure is to voltage over 20,000 only.

(g)

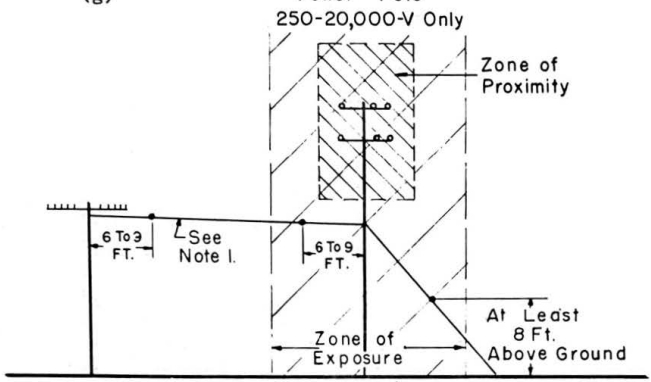

FIG. 409

Note 1: One insulator is sufficient when overhead guy is less than 17 feet in length.

(h)

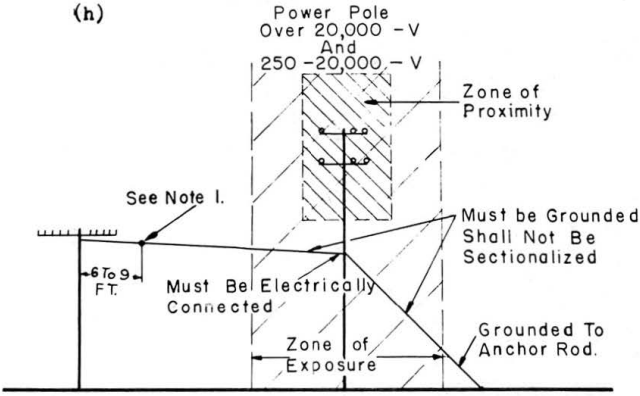

FIG. 410

Note 1: This insulator should be omitted if exposure is to voltage over 20,000 only.

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ILLUSTRATIONS

(i)

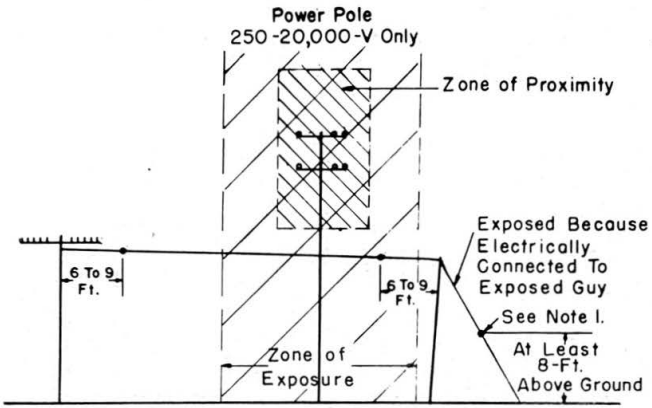

FIG. 411

Note 1: This insulator may be omitted if anchor guy is not directly exposed and an electrical separation of 4 inches of pole surface is maintained between metallic parts of anchor guy and overhead guy.

(j)

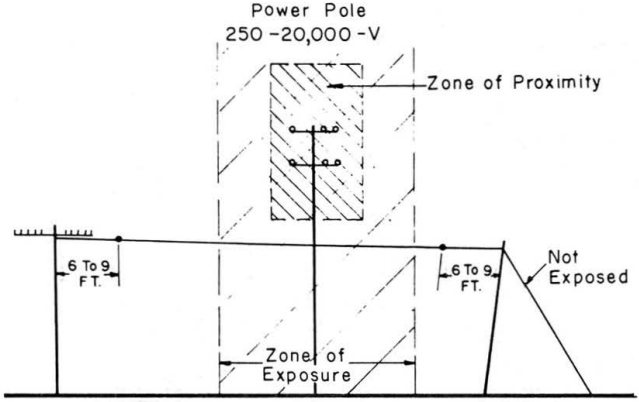

FIG. 412

(k)

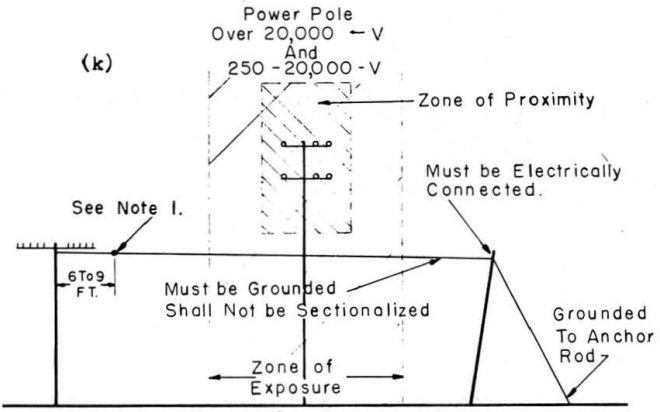

FIG. 413

Note 1: This insulator should be omitted if exposure is to voltage over 20,000 only.

LOCATION OF STRAIN INSULATORS
EXPOSED OPEN WIRE GUYS (NOT IN PROXIMITY)
ILLUSTRATIONS

3. JOINT CONSTRUCTION

3.01 Anchor Guys

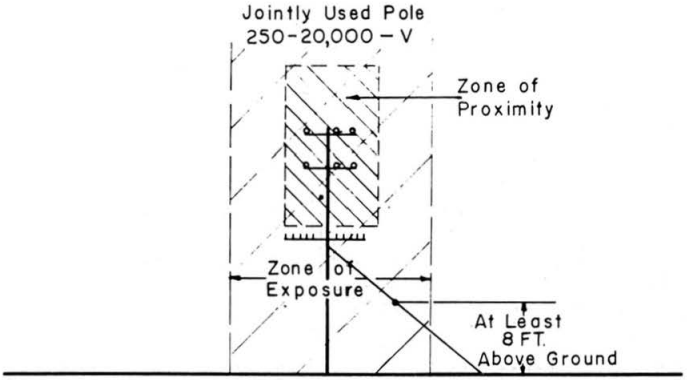

FIG. 414

3.02 Overhead Guys

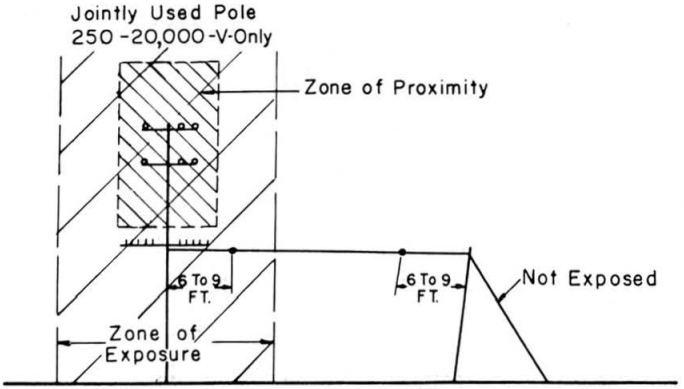

FIG. 415

3.03 Pole-to-Pole Guys

(a)

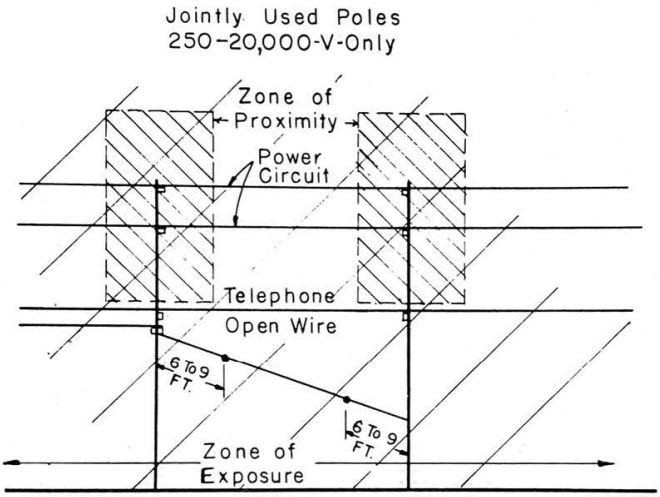

FIG. 416

(b) Jointly Used Poles Over 20,000-V And 0-20,000 -V

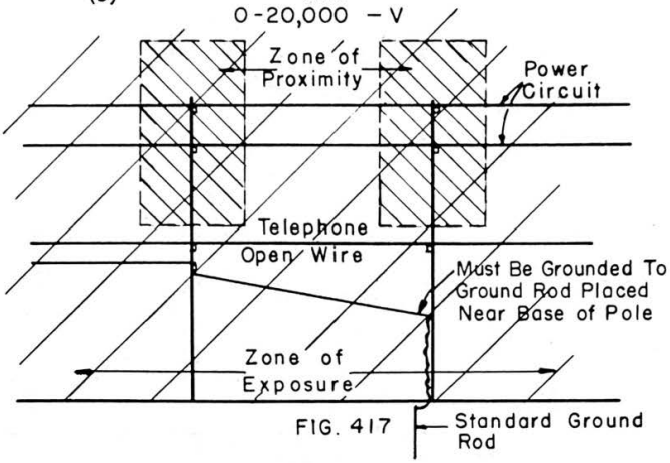

FIG. 417

4. JOINT CONSTRUCTION PLUS OTHER EXPOSURES

4.01 (a)

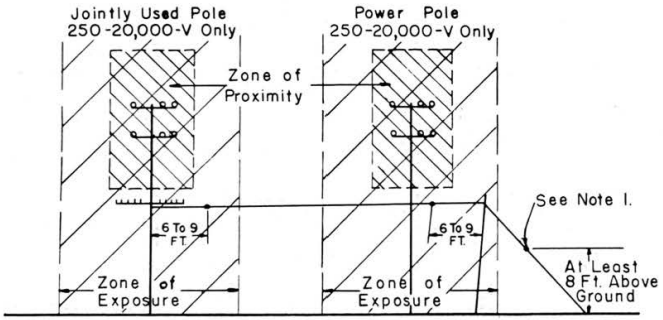

FIG. 418

Note 1: This insulator may be omitted if anchor guy is not directly exposed and an electrical separation of 4 inches of pole surface is maintained between metallic parts of anchor guy and overhead guy.

(b)

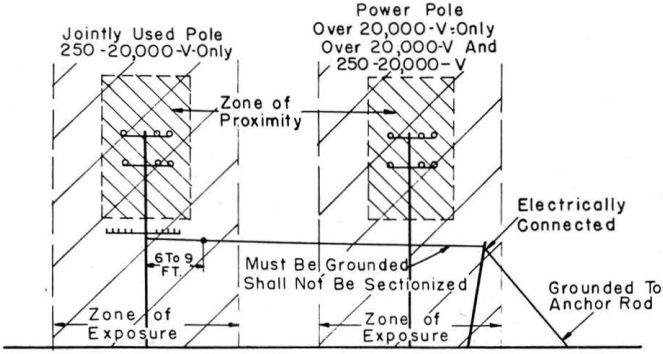

FIG. 419

(c)

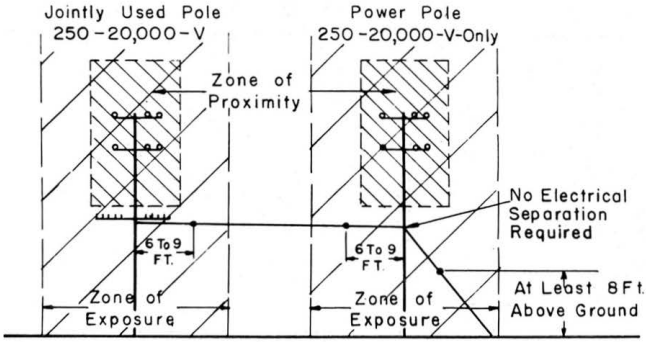

FIG. 420

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ILLUSTRATIONS

(d)

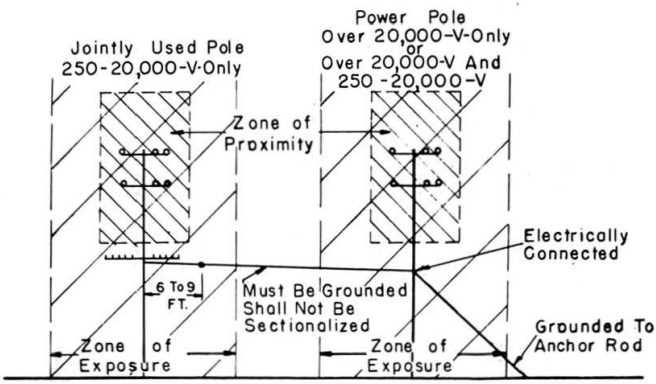
Jointly Used Pole
250-20,000-V-Only
Power Pole
Over 20,000-V-Only
or
Over 20,000-V And
250-20,000-V
Zone of
Proximity
Electrically
Connected
6 To 9
FT.
Must Be Grounded
Shall Not Be
Sectionalized
Grounded To
Anchor Rod
Zone of
Exposure
Zone of
Exposure

FIG. 421