

LOCATION OF STRAIN INSULATORS

OPEN WIRE GUYS IN PROXIMITY

ILLUSTRATIONS

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1. GENERAL

1.01 This section contains illustrations showing the location of strain insulators in open wire guys 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

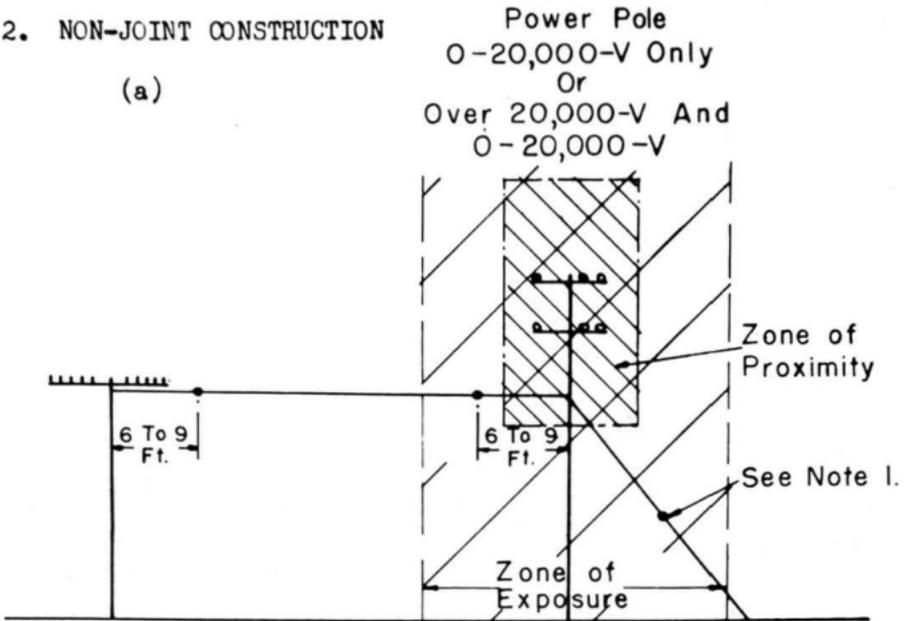


FIG. 601

Note 1: At least 8 feet above ground and either (1) not less than 8 feet below lowest power wire, or (2) not less than 6 feet from pole and one foot below lowest power wire.

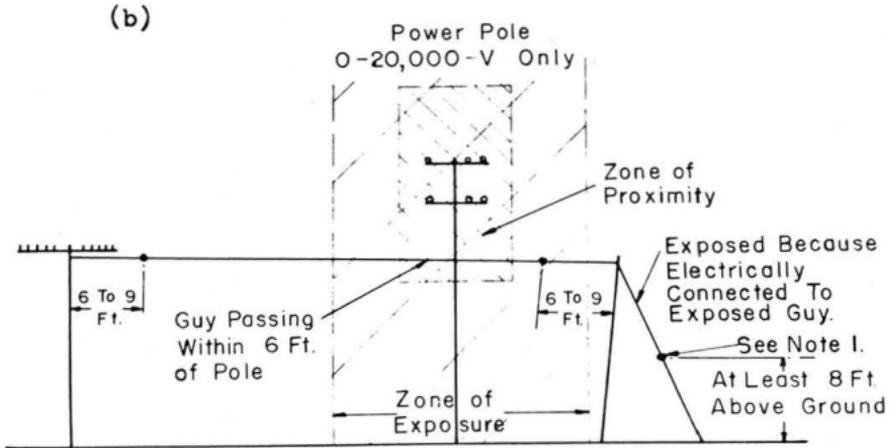


FIG. 602

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.

(c)

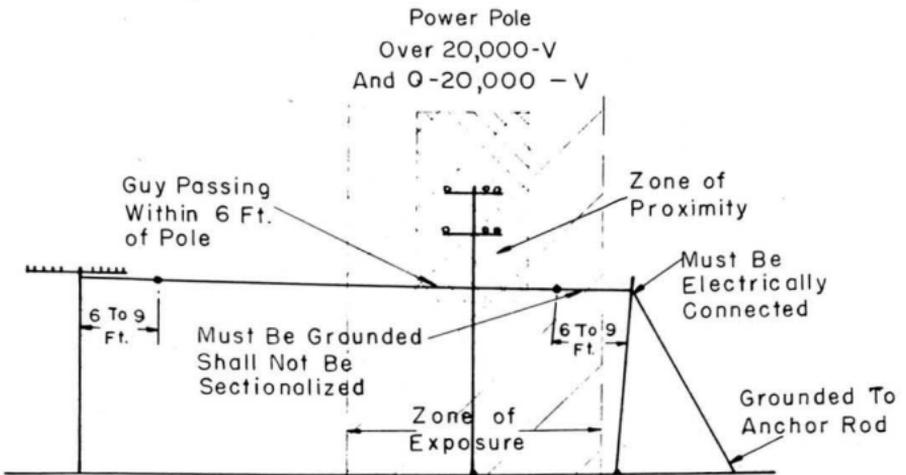


FIG. 603

(d)

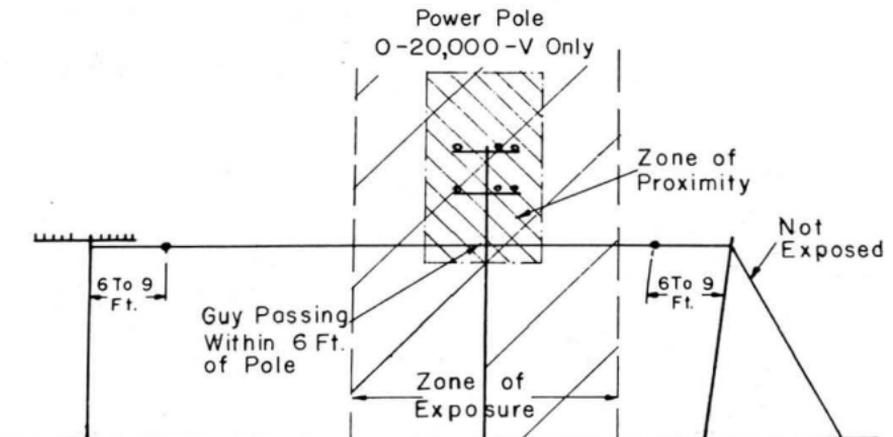


FIG. 604

(e)

Power Pole  
Over 20,000-V  
And  
0-20,000-V

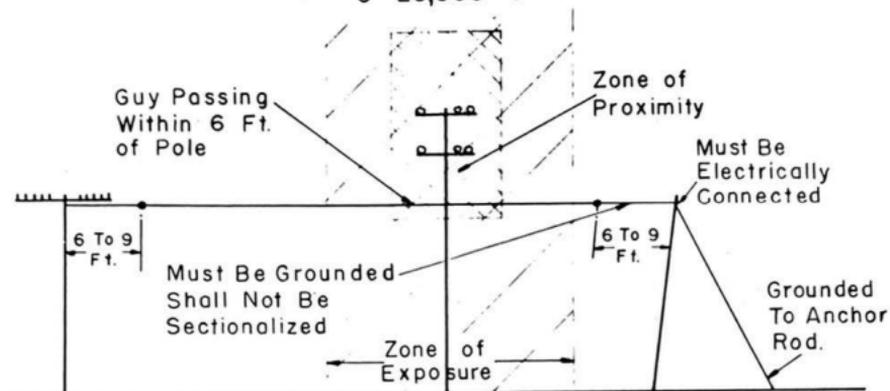


FIG. 605

3. JOINT CONSTRUCTION .

(a)

Jointly Used Pole  
0-20,000-V Only  
Or  
Over 20,000-V And  
0-20,000-V

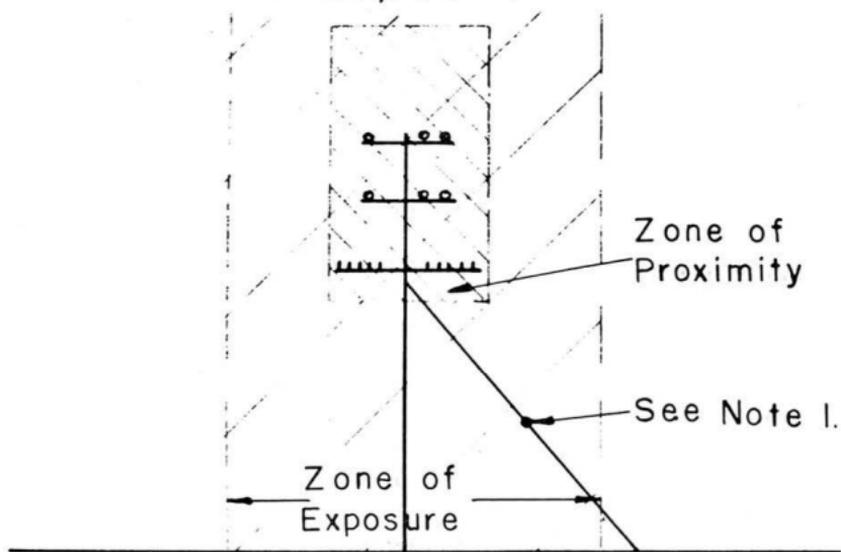


FIG. 606

Note 1: At least 8 feet above ground and either (1) not less than 8 feet below lowest power wire, or (2) not less than 6 feet from pole and one foot below lowest power wire.

(b)

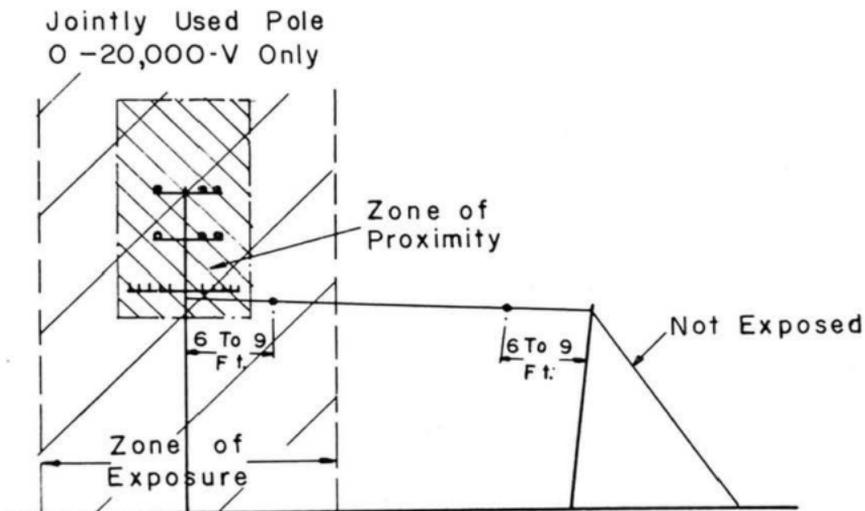


FIG. 607

(c)

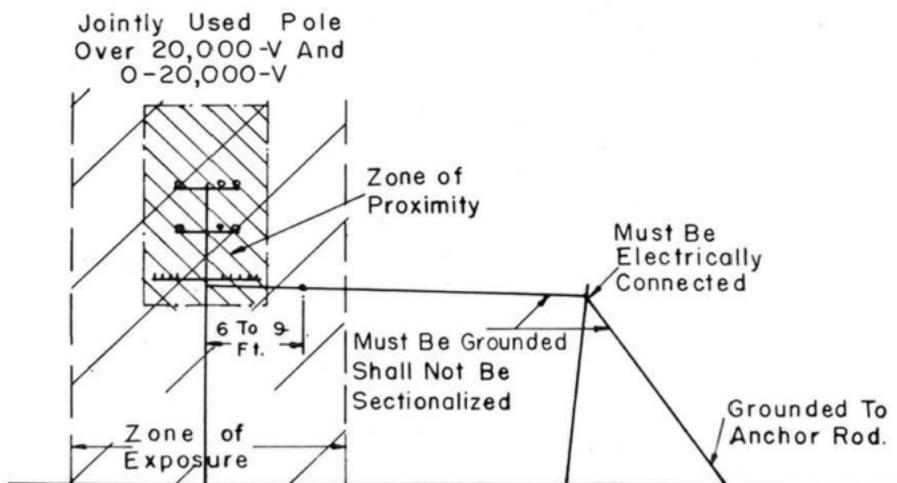


FIG. 608

(d)

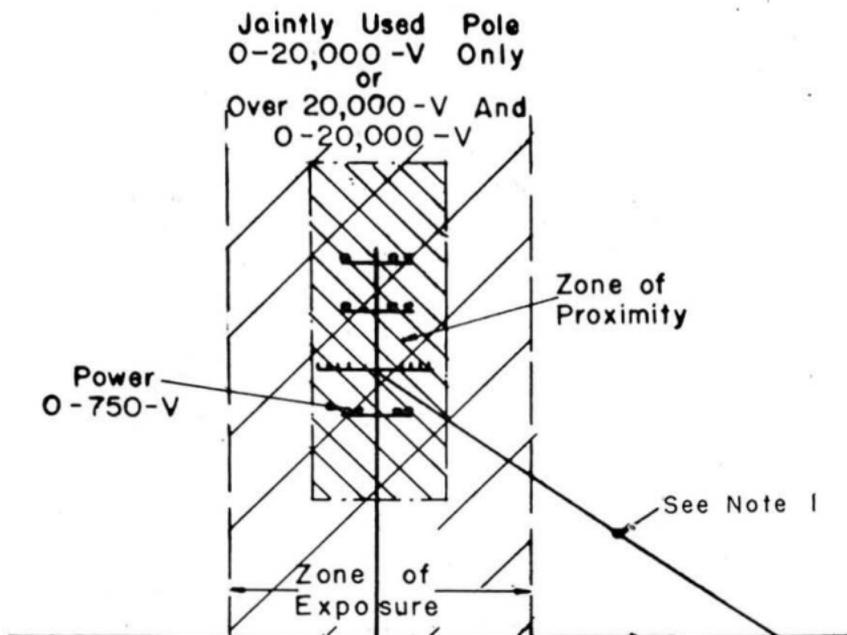


FIG. 609

Note 1: At least 8 feet above ground and either (1) not less than 8 feet below lowest power wire, or (2) not less than 6 feet from pole and not less than one foot below lowest power wire.

(e)

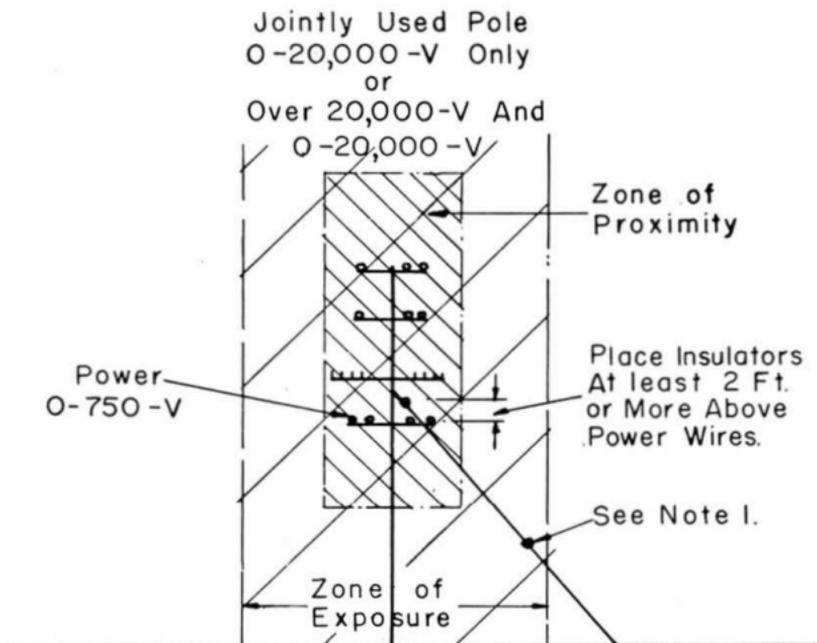


FIG. 610

Note 1: At least 8 feet above ground and either (1) not less than 8 feet below lowest power wire, or (2) not less than 6 feet from pole and not less than one foot below lowest power wire.

(f)

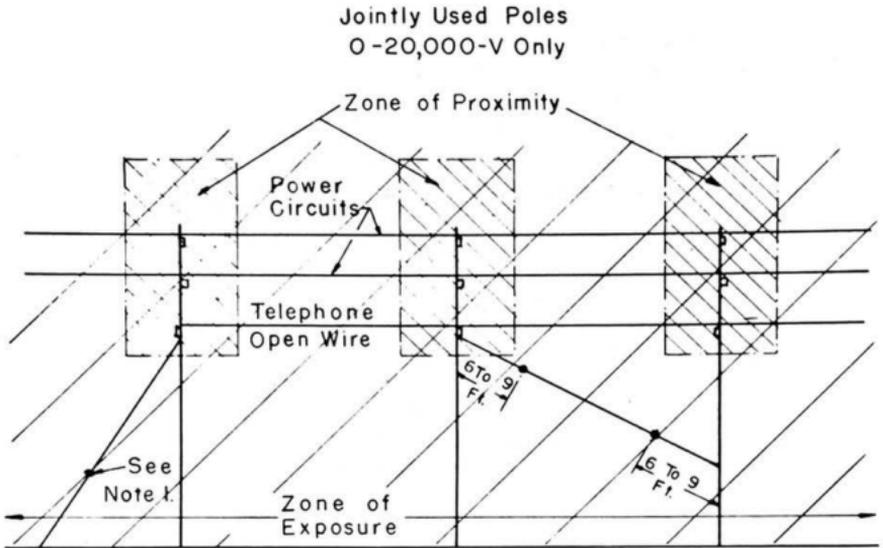
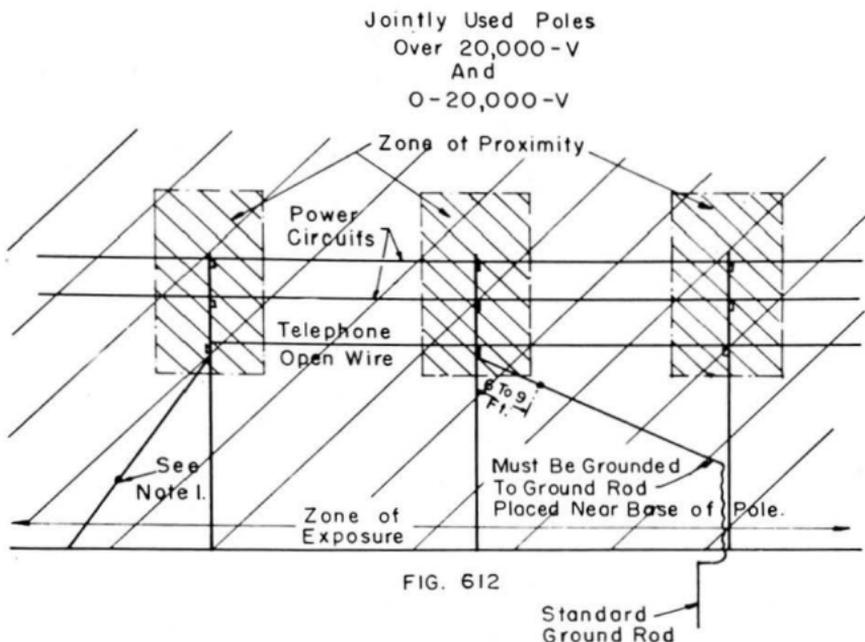


FIG. 611

Note 1: At least 8 feet above ground and either (1) not less than 8 feet below lowest power wire, or (2) not less than 6 feet from pole and one foot below power wire.

(g)



**Note 1:** At least 8 feet above ground and either (1) not less than 8 feet below lowest power wire, or (2) not less than 6 feet from pole and one foot below lowest power wire.

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(h)

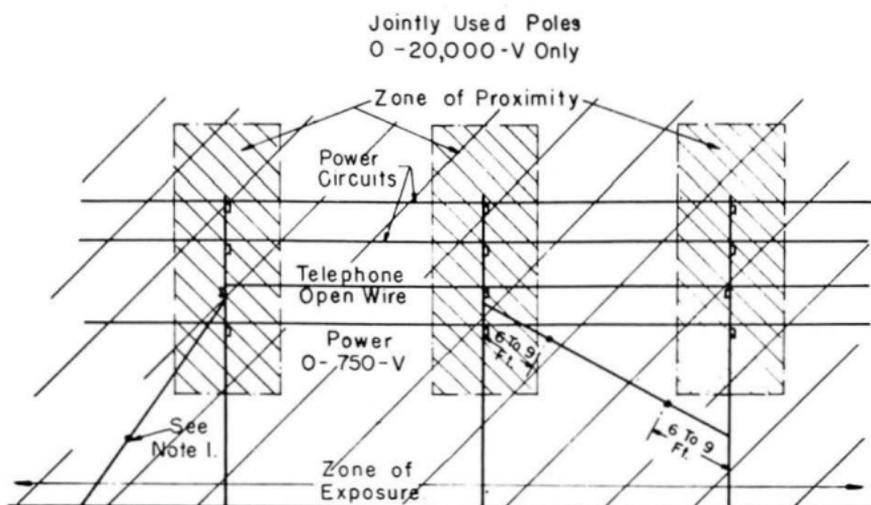
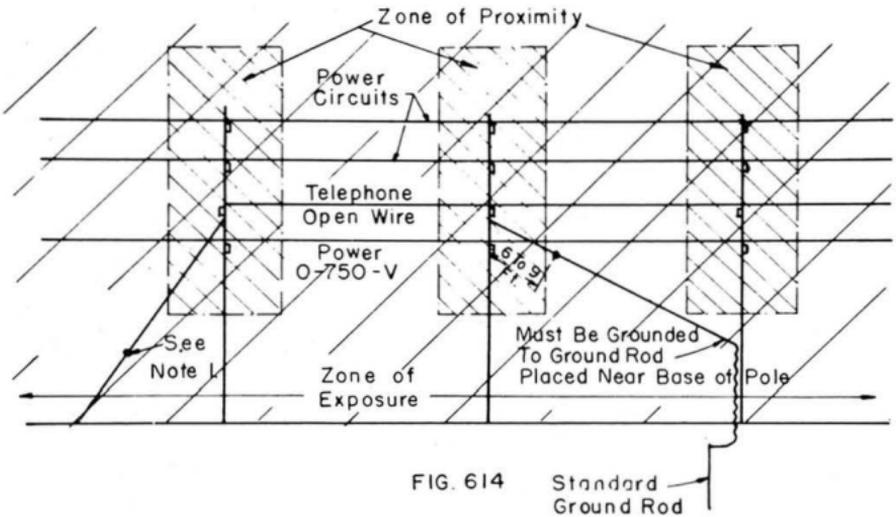


FIG. 613

**Note 1:** At least 8 feet above ground and either (1) not less than 8 feet below lowest power wire, or (2) not less than 6 feet from pole and one foot below lowest power wire.

(i)

Jointly Used Poles  
Over 20,000-V And  
0 - 20,000 - V



Note 1: At least 8 feet above ground and either (1) not less than 8 feet below lowest power wire or, (2) not less than 6 feet from pole and one foot below lowest power wire.

4. JOINT CONSTRUCTION PLUS OTHER "EXPOSURE"

(a)

VOLTAGE OF POWER CIRCUITS

Pole A	Pole B
0-20,000-V-Only	250-20,000-V Only

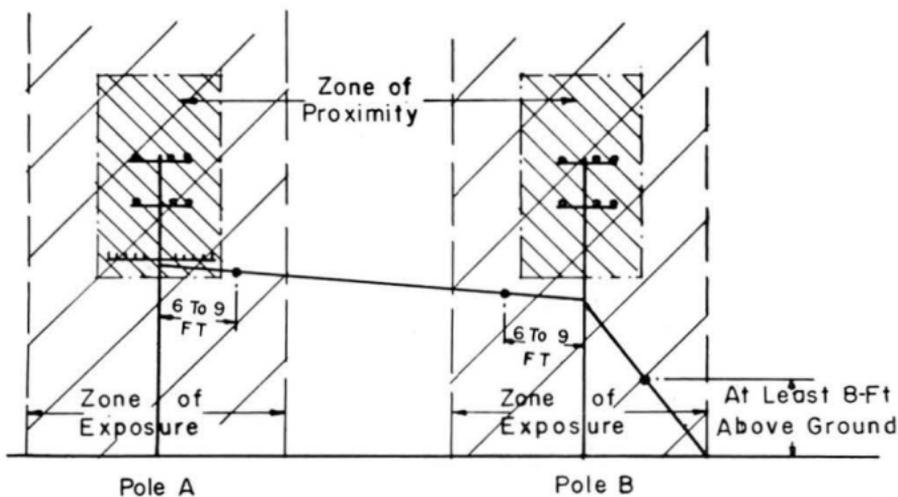


FIG. 615

(b)

VOLTAGE OF POWER CIRCUITS

Pole A	Pole B
0-20,000-V Only	Over 20,000-V Only
	Over 20,000-V And 250-20,000-V
Over 20,000-V And 0-20,000-V	250-20,000-V Only
	Over 20,000-V Only
	Over 20,000-V And 250-20,000-V

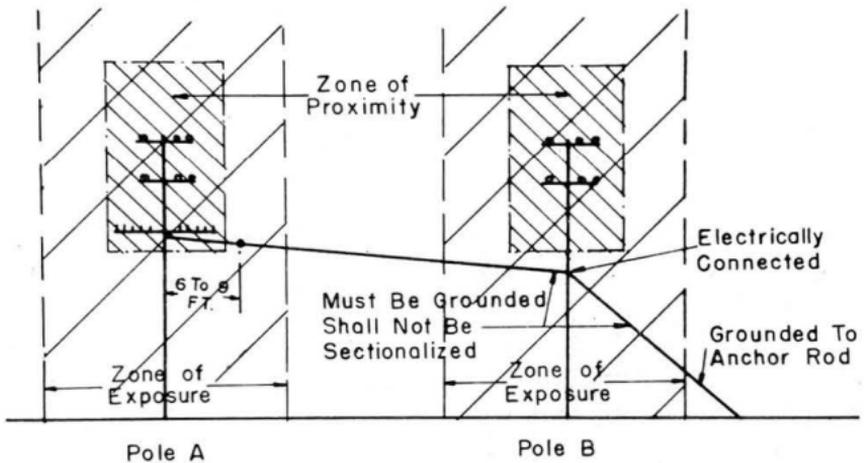


FIG. 616

(c)

VOLTAGE OF POWER CIRCUITS

Pole A	Pole B
0-20,000 -V Only	250-20,000-V Only

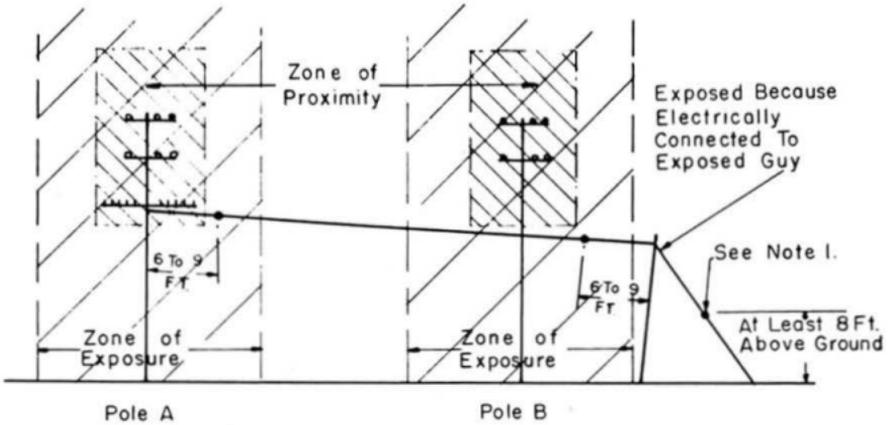


FIG. 617

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

(d)

VOLTAGE OF POWER CIRCUITS

Pole A	Pole B
0-20,000-V Only	Over 20,000-V Only
	Over 20,000-V And 250-20,000 -V
Over 20,000-V And 0-20,000-V	250-20,000-V Only
	Over 20,000-V And 250-20,000-V

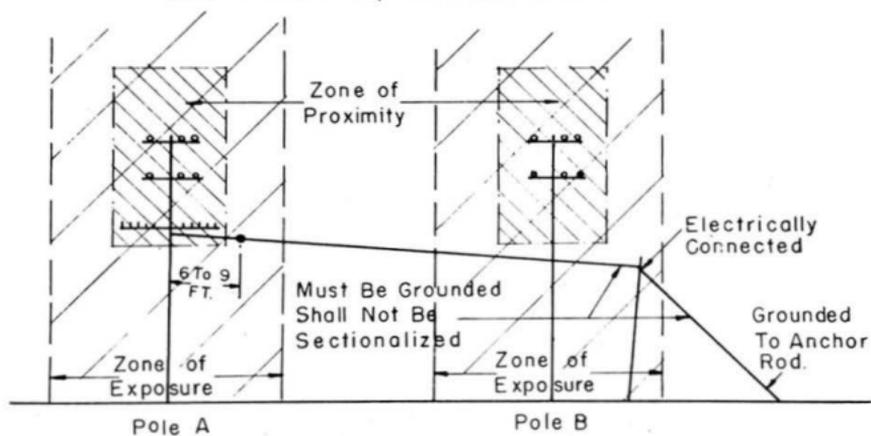


FIG. 618

5. JOINT CONSTRUCTION PLUS OTHER "PROXIMITY"

(a)

VOLTAGE OF POWER CIRCUITS	
Pole A	Pole B
0-20,000-V Only Or Over 20,000-V And 0-20,000-V	0-20,000-V Only Or Over 20,000-V And 0-20,000-V

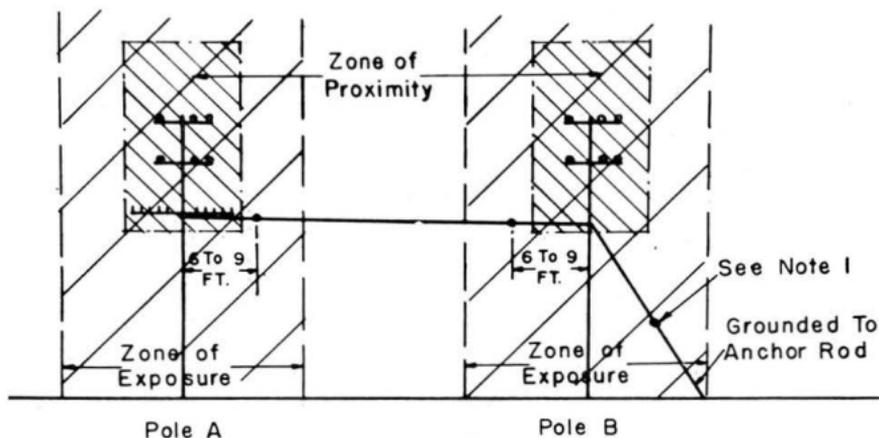


FIG. 619

Note 1: At least 8 feet above ground and either (1) not less than 8 feet below lowest power wire, or (2) not less than 6 feet from pole and one foot below lowest power wire.

(b)

VOLTAGE OF POWER CIRCUITS

Pole A	Pole B
0-20,000-V Only	Over 20,000-V And 0-20,000-V
Over 20,000-V And 0-20,000-V	0-20,000-V Only Over 20,000-V And 0-20,000-V

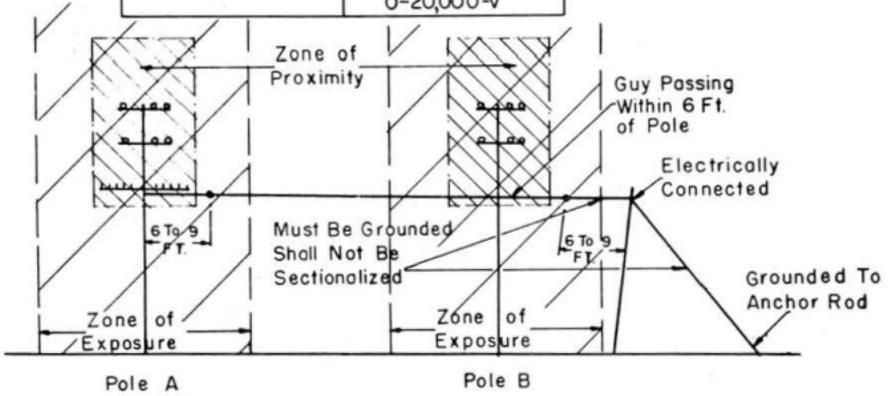


FIG. 620