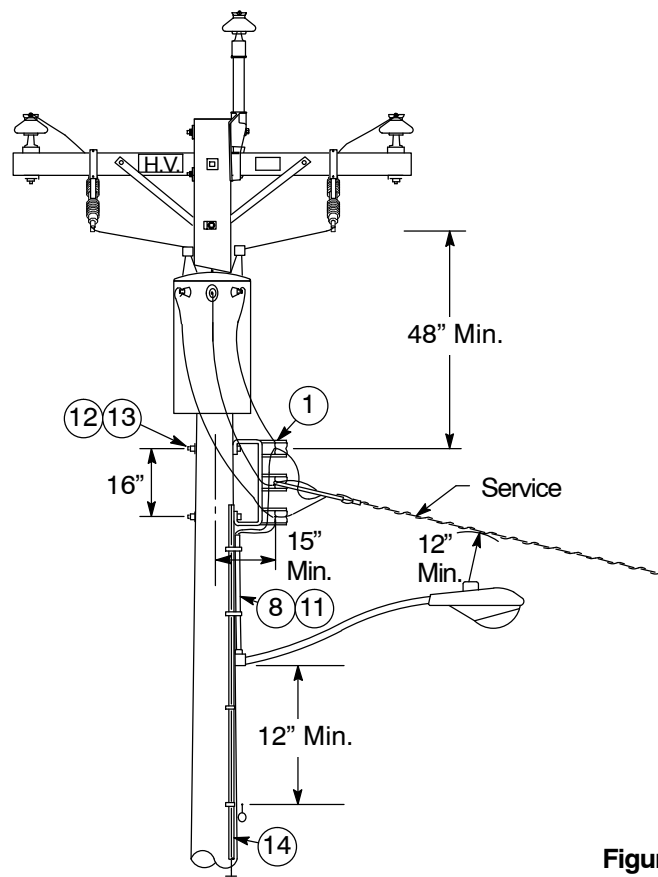


## Extended Rack Construction 0-750 V

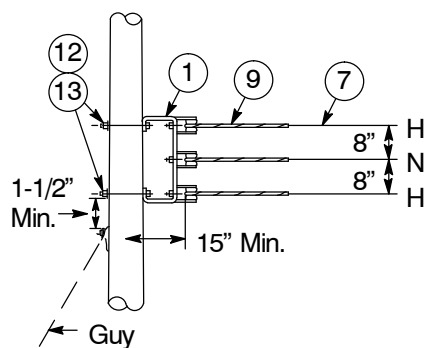
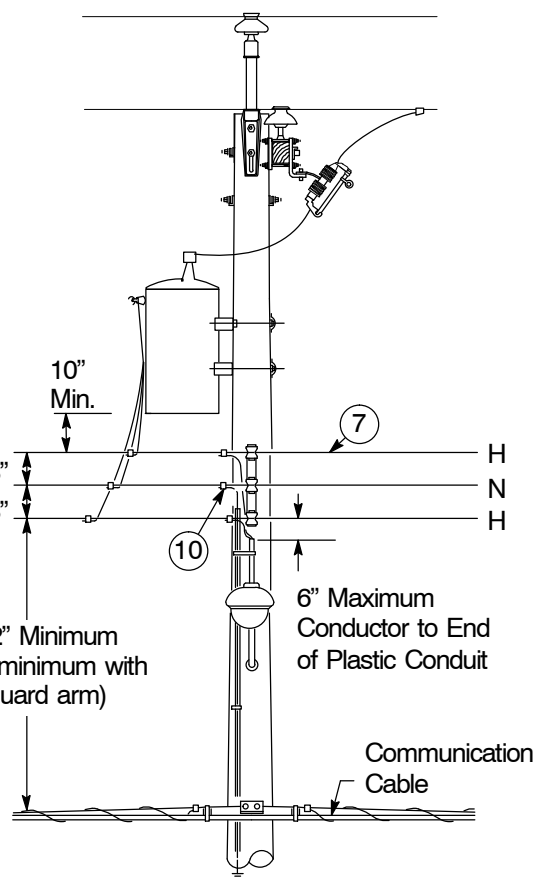
## Construction Details

## Notes

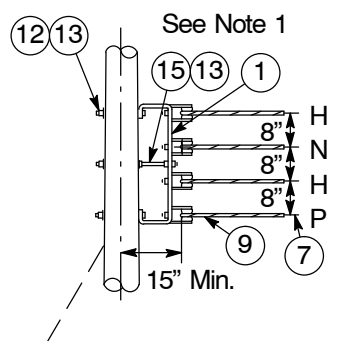
1. Space bolt (Item 15 of Table 1 on Page 2) should be omitted when slack span construction with #4/0 aluminum and smaller is involved.



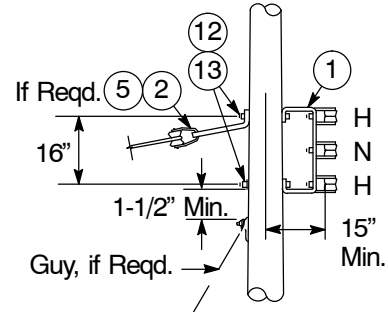
**Figure 1**  
Typical Construction



**Figure 2**  
Secondary Dead End  
(see Item 5 on Page 1)

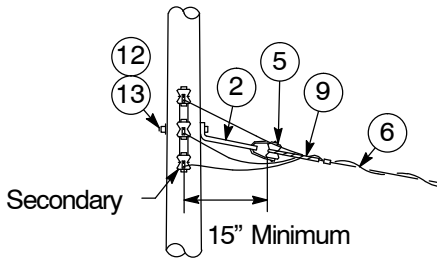


**Figure 3**  
Secondary Dead End, 4-Wire

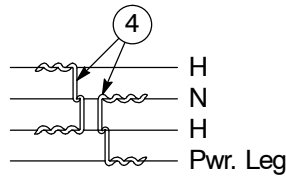


**Figure 4**  
Secondary Tangent or Angle

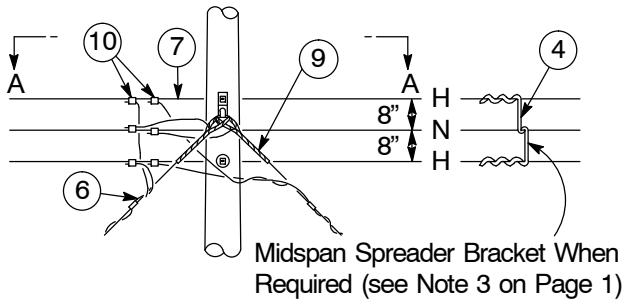
**Construction Details (continued)**



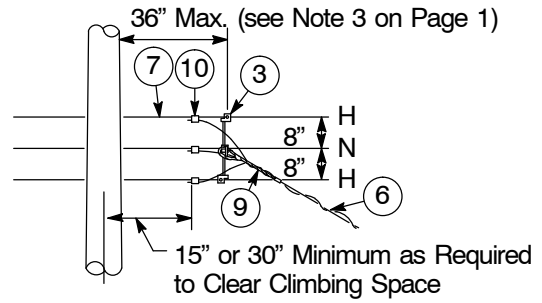
**Figure 5**  
**Service Drop Support at Pole**



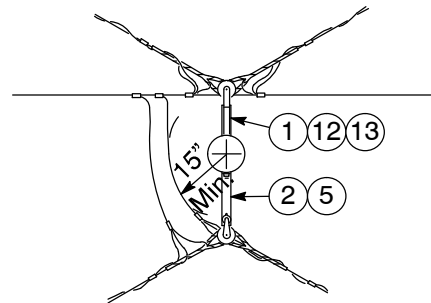
Arrangement of Spreader Brackets on  
4-Wire Installations (see Note 3 on Page 1)



**Figure 7**  
**Service Drop Attachment at Pole**



**Figure 6**  
**Service Drop Attachment to Spreader Bracket**  
**(not for mid-span taps)**



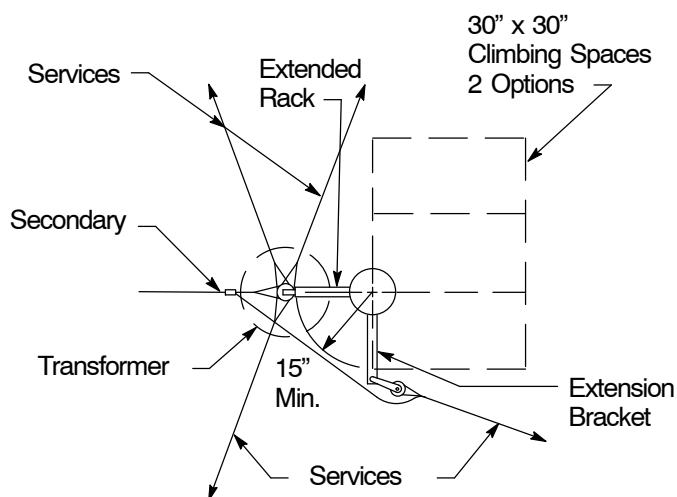
**Section A-A**

## Extended Rack Construction 0-750 V

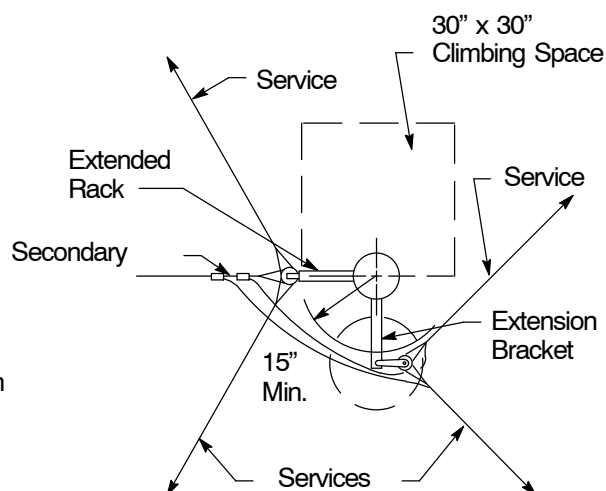
### Climbing Space

#### Notes

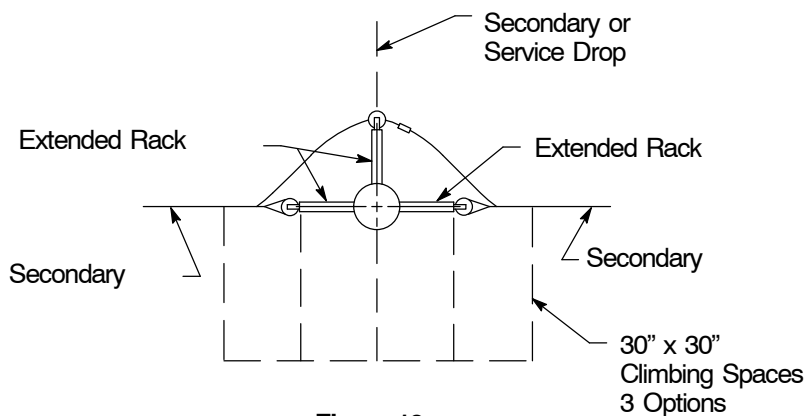
1. For below pole-top construction, maintain a climbing space with minimum dimensions as shown for a distance of 4 feet above the top conductor and 4 feet below the bottom conductor.
2. For attaching services when it is necessary to clear the climbing space or to maintain a 15" clearance from the centerline of a pole with service drops, install an extension bracket or spreader bracket as shown below.
3. Suitably protected vertical conductors attached to surfaces of poles and guys (except guys contacting metal pins or dead-end hardware) are allowed in the climbing space provided not more than two guys and one vertical riser, run, or ground wire are installed in any 4-foot vertical section of climbing space.



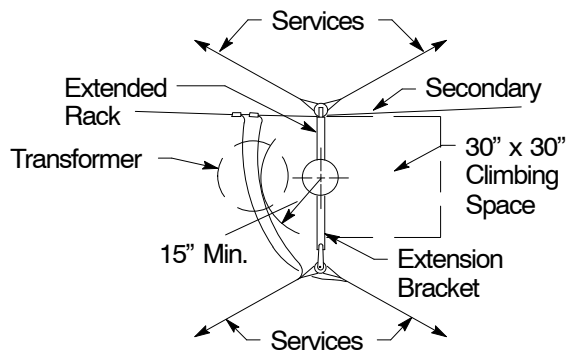
**Figure 8**  
**Dead End**  
**(Option 1)**



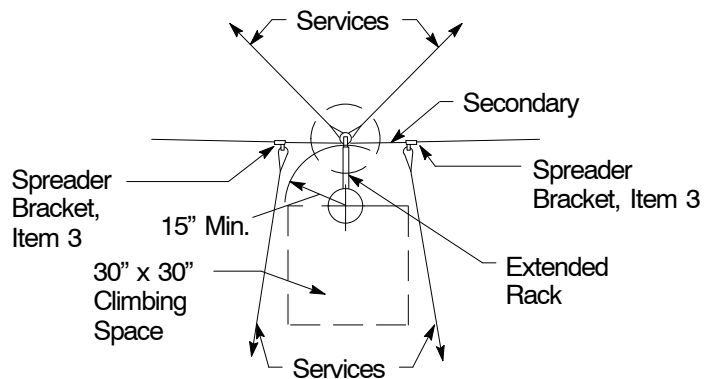
**Figure 9**  
**Dead End**  
**(Option 2)**



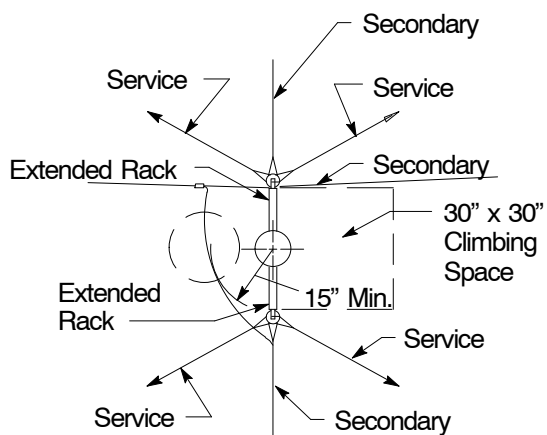
**Figure 10**  
**3-Way Dead End**

**Climbing Space (continued)**

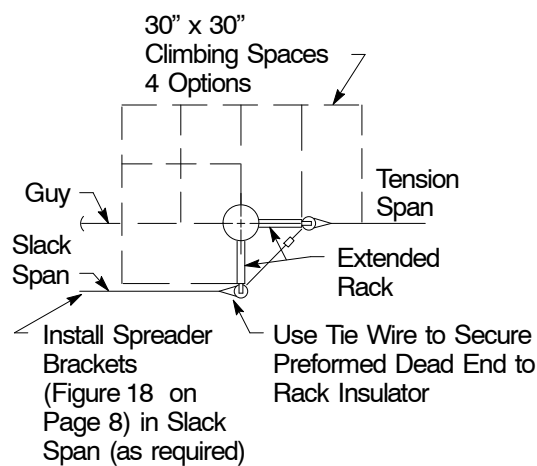
**Figure 11**  
Tangent or Angle  
(Option 1)



**Figure 12**  
Tangent or Angle  
(Option 2)



**Figure 13**  
Junction



**Figure 14**  
Slack Span

## Notes

- 
- Insulator  
(see Note 1)
- 5/8" Diameter Rod
- Cotter Pin  
(see Note 3)
- 1-1/2" x 1/2" x 1/8"  
Channel Clevis  
(see Note 2)
- 9-3/4"
- 11/16" x 1"  
Slot
- 1"
- 5/8"  
Bolt, Nut,  
and Lock  
Washer
- 11/16" Dia.  
Rd. Hole
- 1-1/4"
- 2-1/2"
- 2" x 1" x 3/16"  
Channel
- 5"
- 3-1/4"
- 8"
- 8"
- 16"
- Note 1: Insulator detail showing a 1/2" x 1/8" x 1/4" dimension.
- Note 2: Channel Clevis detail showing a 1/2" x 1/8" x 1/4" dimension.
- Note 3: Cotter Pin detail showing a 1/8" dimension.

11/16" Dia. Hole

2-1/2"

8"

4"

8"

4"

8"

24"

9-3/4"

2-1/2"

**Figure 16**  
**4-Spool Extended Rack**

**Details of Parts (continued)****Table 2 Data and Codes for Extended Racks**

Type	Part	Refer To	Code	Manufacturer	Catalog Number
3-Spool	1	Figure 15 on Page 7	316054	Joslyn	JP40417
				Kortick	K4529
				McG-Ed	WHU-60638
4-Spool	2	Figure 16 on Page 7	316056	Joslyn	JP40418
				Kortick	K4528
				McG-Ed	WHU-60648

**Table 3 Data and Codes for Spreader Brackets, 3-Wire**

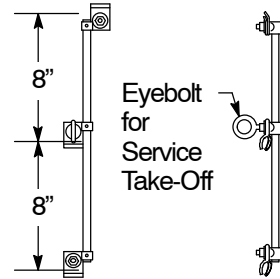
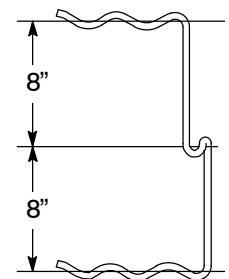
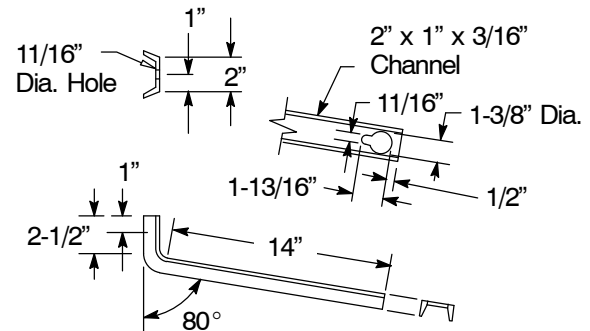
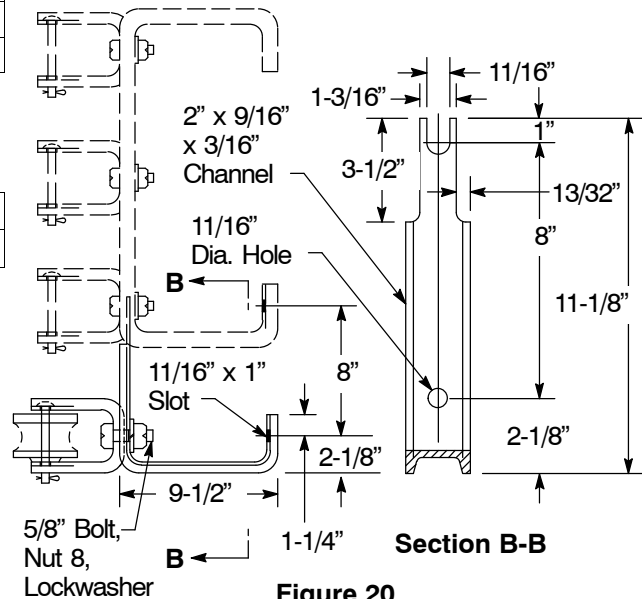
Refer to	Code	Manufacturer	Catalog Number
Figure 17	188394	Kortick	K188394
		Rathbun	MSS-1
Figure 18	188395	Fargo	GS932-GR
		PLP Co.	SP-MS-6140

**Table 4 Data and Codes for Extension Bracket**

Refer to	Code	Manufacturer	Catalog Number
Figure 19	316055	Joslyn	JP40419
		Kortick	K8348
		Inwesco	51A63

**Table 5 Data and Codes for Spool and Clevis Attachment**

Refer to	Code	Manufacturer	Catalog Number
Figure 20	316058	Kortick	K8381

**Figure 17  
Spreader Bracket and  
Service Drop Take-Off****Figure 18  
Spreader Bracket****Figure 19  
Extension Bracket****Figure 20  
Spool and Clevis Attachment for Modifying  
Existing 3-Spool Extended Rack to 4-Spool**  
(Installation can be made by loosening, but not removing, clevis retaining bolt in existing rack)