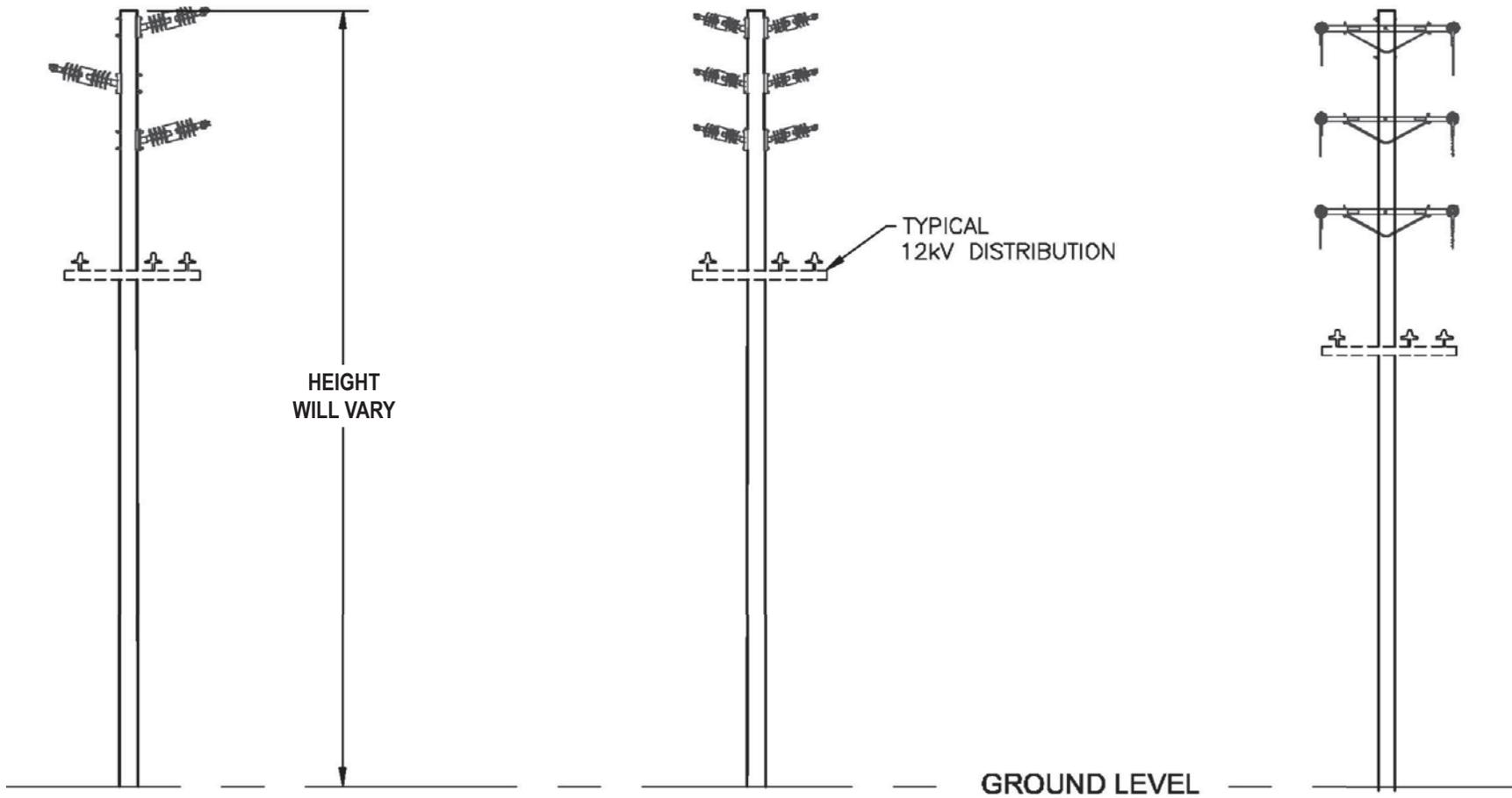


**Appendix 3-C**  
**Typical Drawings**

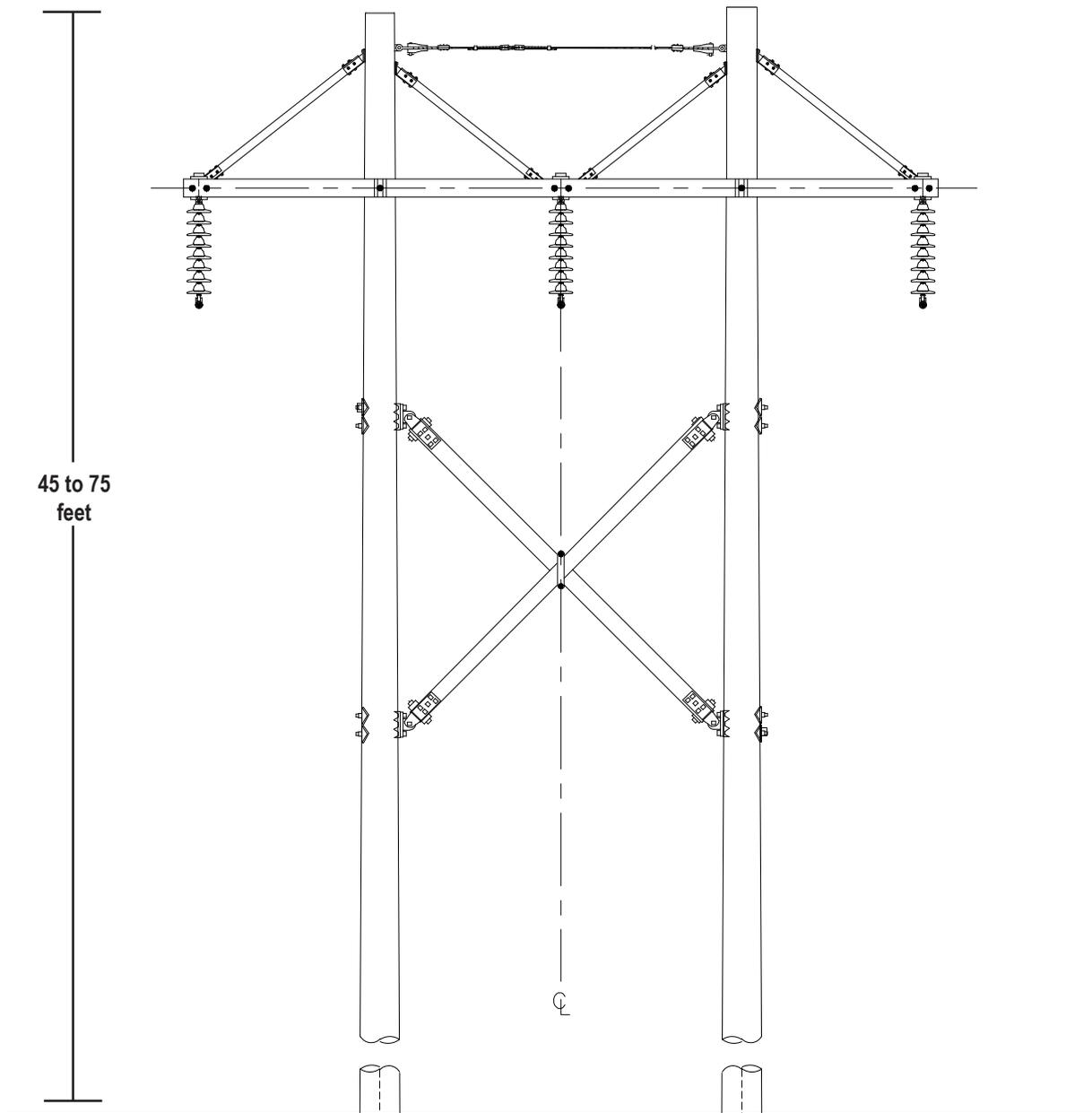




Notes:

- Cross arm configuration and/or pole top arrangement may vary.
- Pole structure diameter is approximately 7-9 inches at pole structure tip. Pole structure diameter at base will vary.

Figure 3C-1  
 Typical Existing 69kV Wood Pole Structures



Notes:

- Cross arm configuration and/or pole top arrangement may vary.
- Pole structure diameter is approximately 7-9 inches at pole structure tip. Pole structure diameter at base will vary.

Figure 3C-2  
Typical Existing 69kV Wood Tangent H-Frame  
Pole Structure

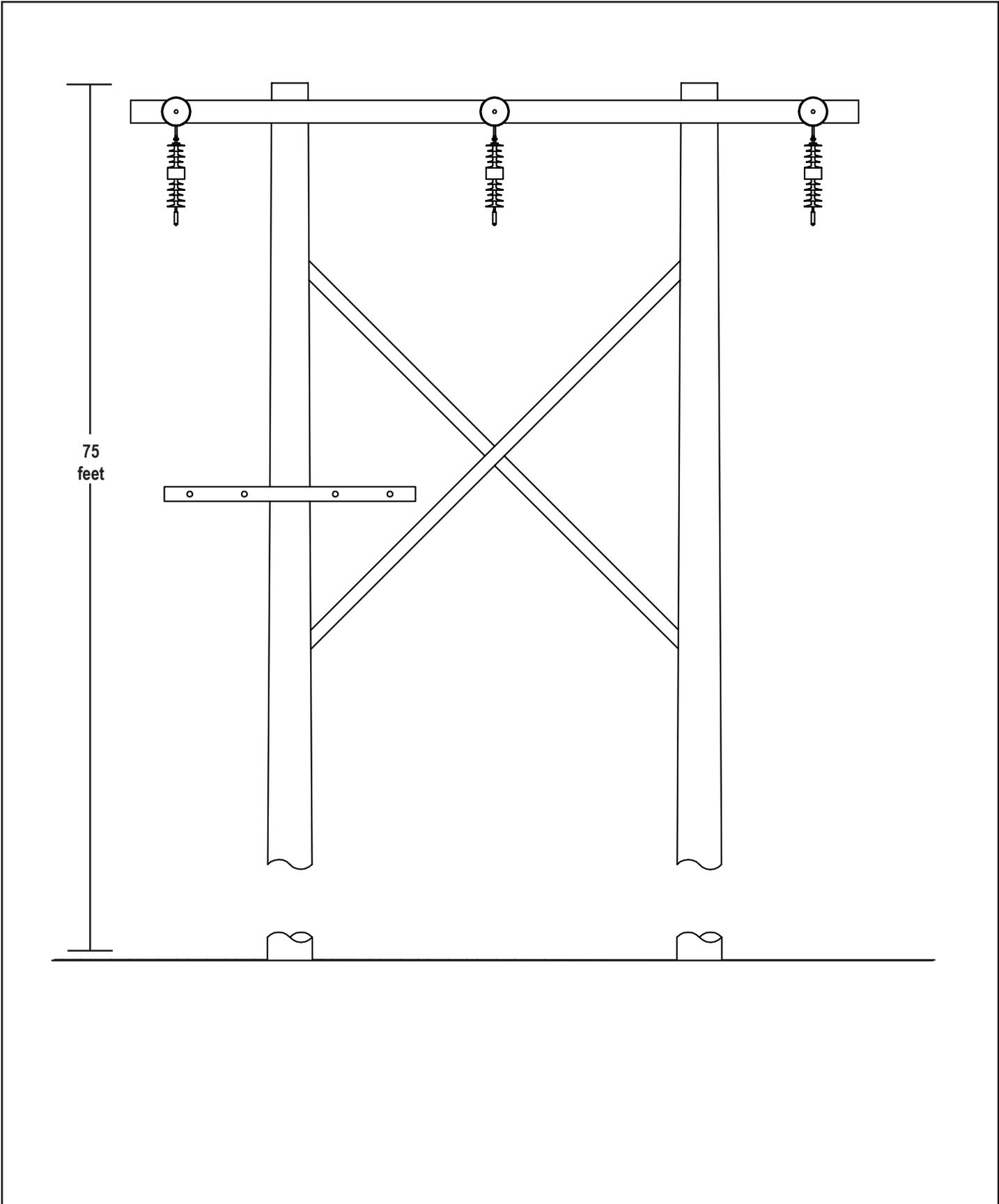
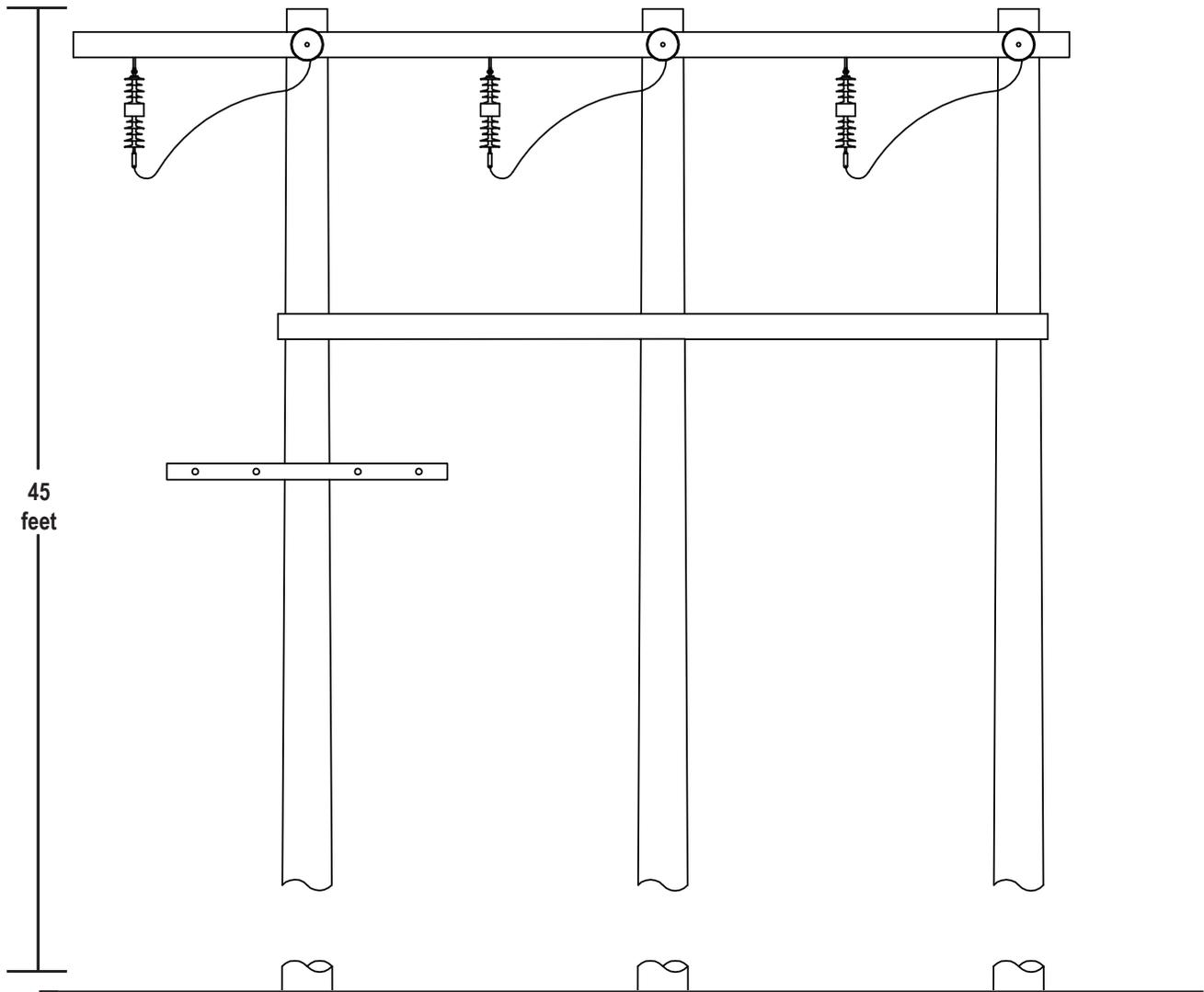


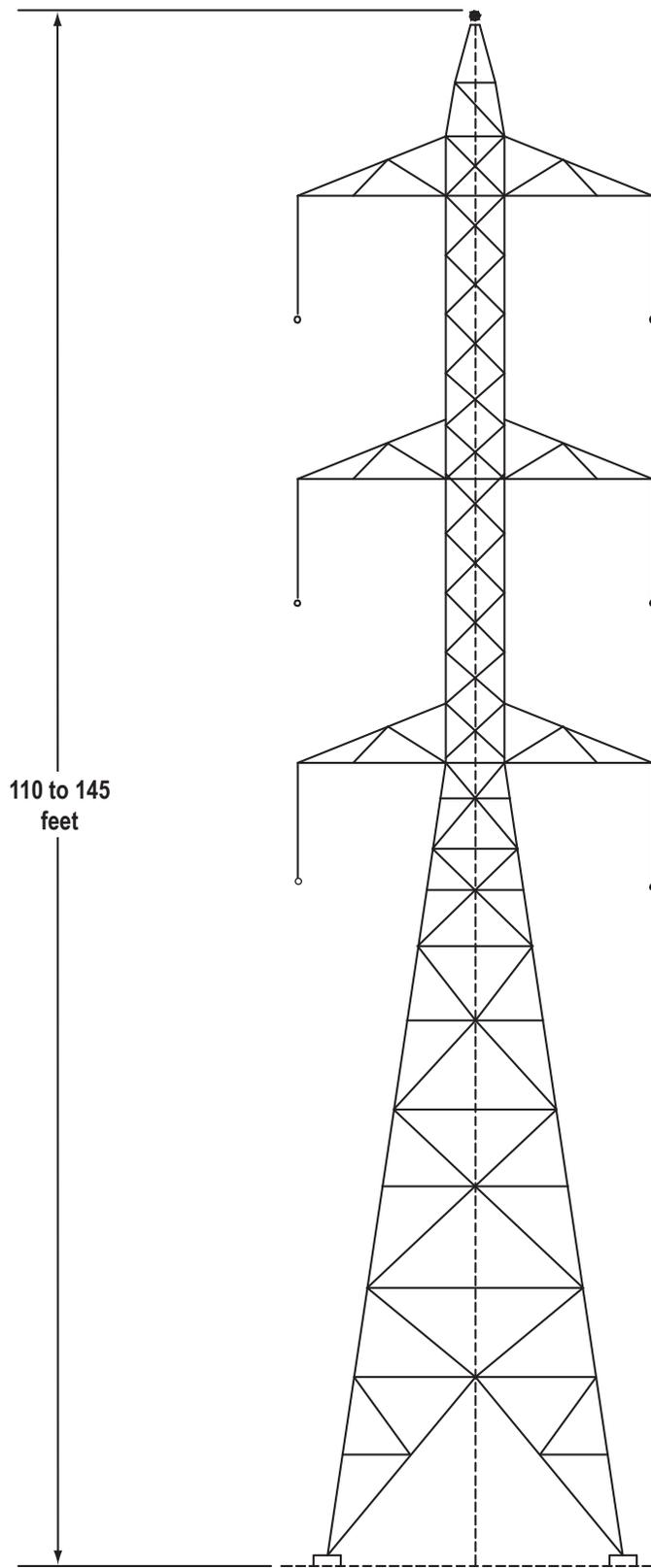
Figure 3C-3  
Typical Existing 69kV Wood Dead End H-Frame  
Pole Structure



Notes:

- Cross arm configuration and/or pole top arrangement may vary.
- Pole structure diameter is approximately 7-9 inches at pole structure tip. Pole structure diameter at base will vary.

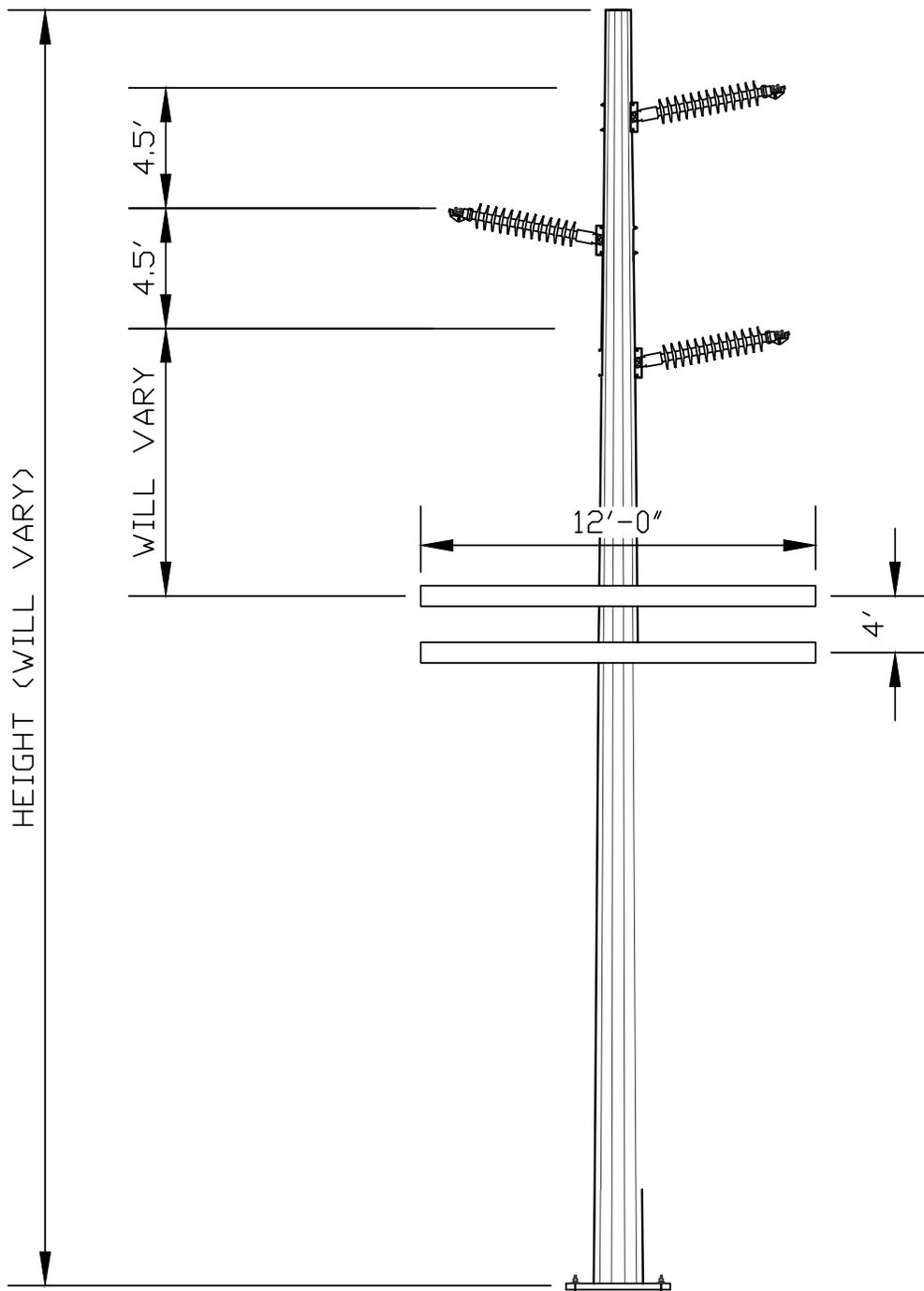
Figure 3C-4  
Typical Existing 69kV Wood Dead End  
3-Pole Structure



Note:

- Structure is approximately 22-29 feet wide at base and 5 feet wide at top.

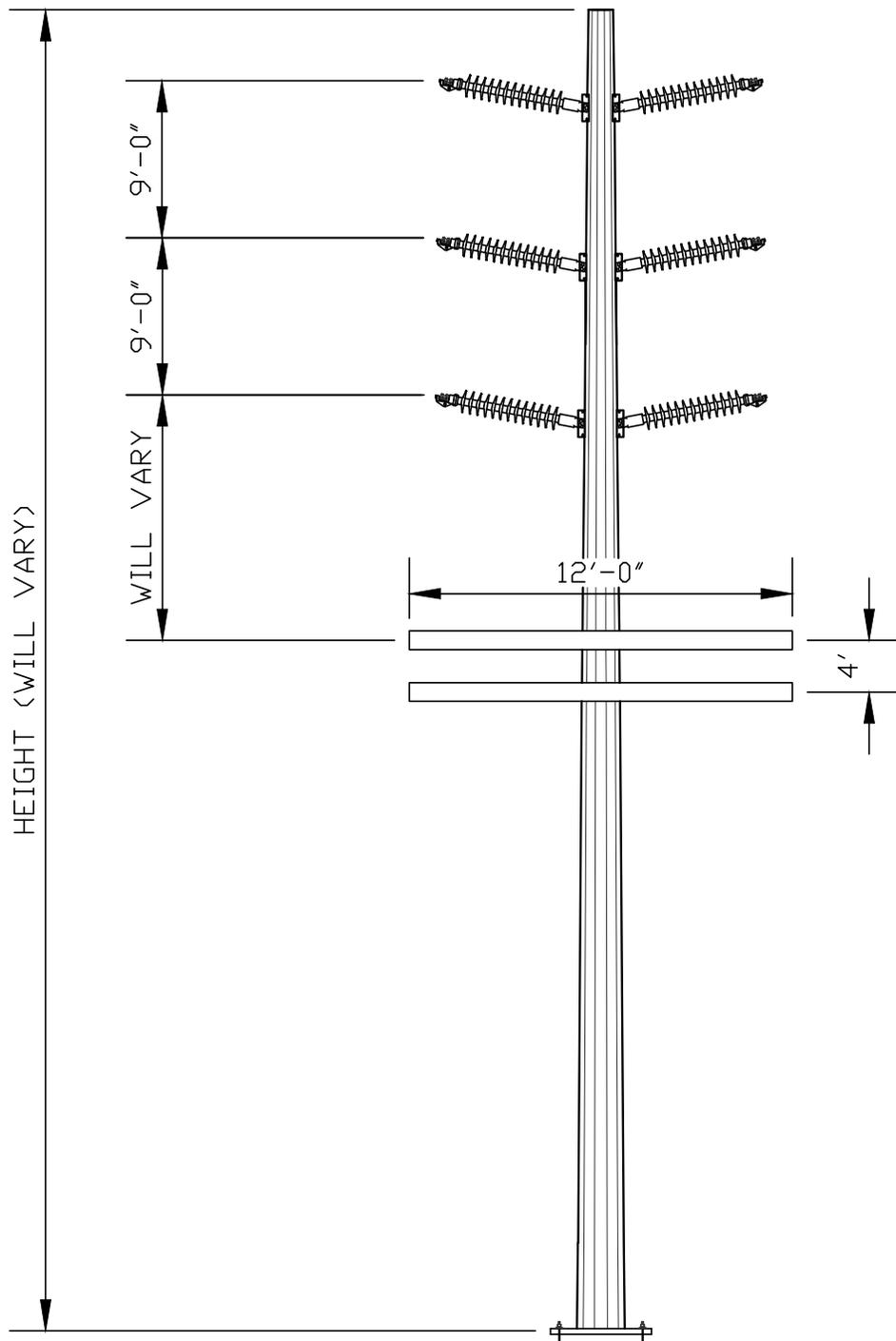
Figure 3C-5  
Typical Existing 69kV Steel Lattice Structure



Notes:

- Pole foundations will be direct-embed.
- The number of levels of distribution underbuild will vary.
- Distribution cross arm length and spacing may vary.
- Communications attachments may also be present.
- Pole structure diameter is approximately 20-30 inches at ground level and 8-14 inches at pole structure tip.

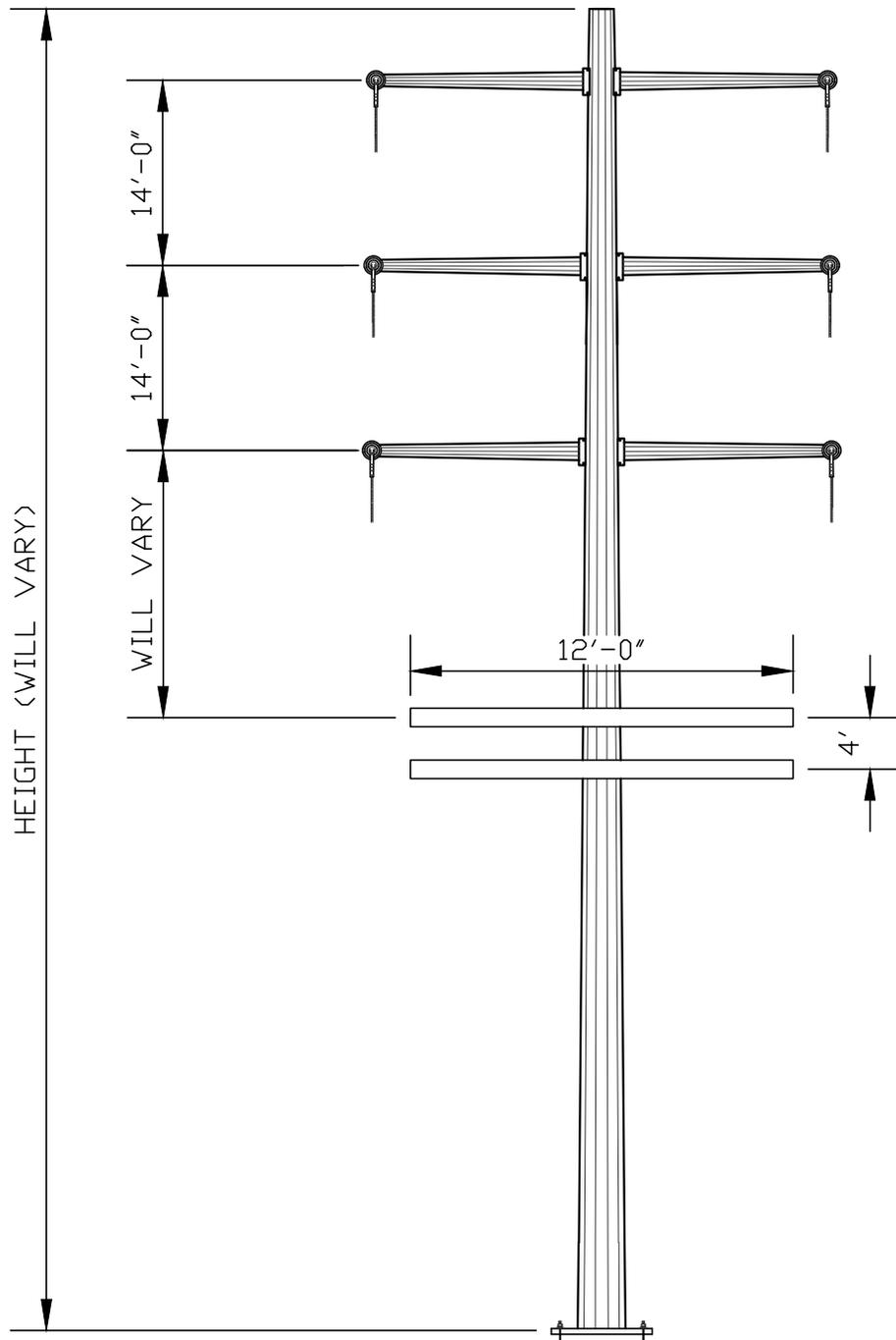
Figure 3C-6  
 Typical Proposed 69kV Steel Tangent  
 Single-Circuit Pole Structure



Notes:

- Pole foundations will be direct-embed.
- The number of levels of distribution underbuild will vary.
- Distribution cross arm length and spacing may vary.
- Communications attachments may also be present.
- Pole structure diameter is approximately 20-30 inches at ground level and 8-14 inches at pole structure tip.

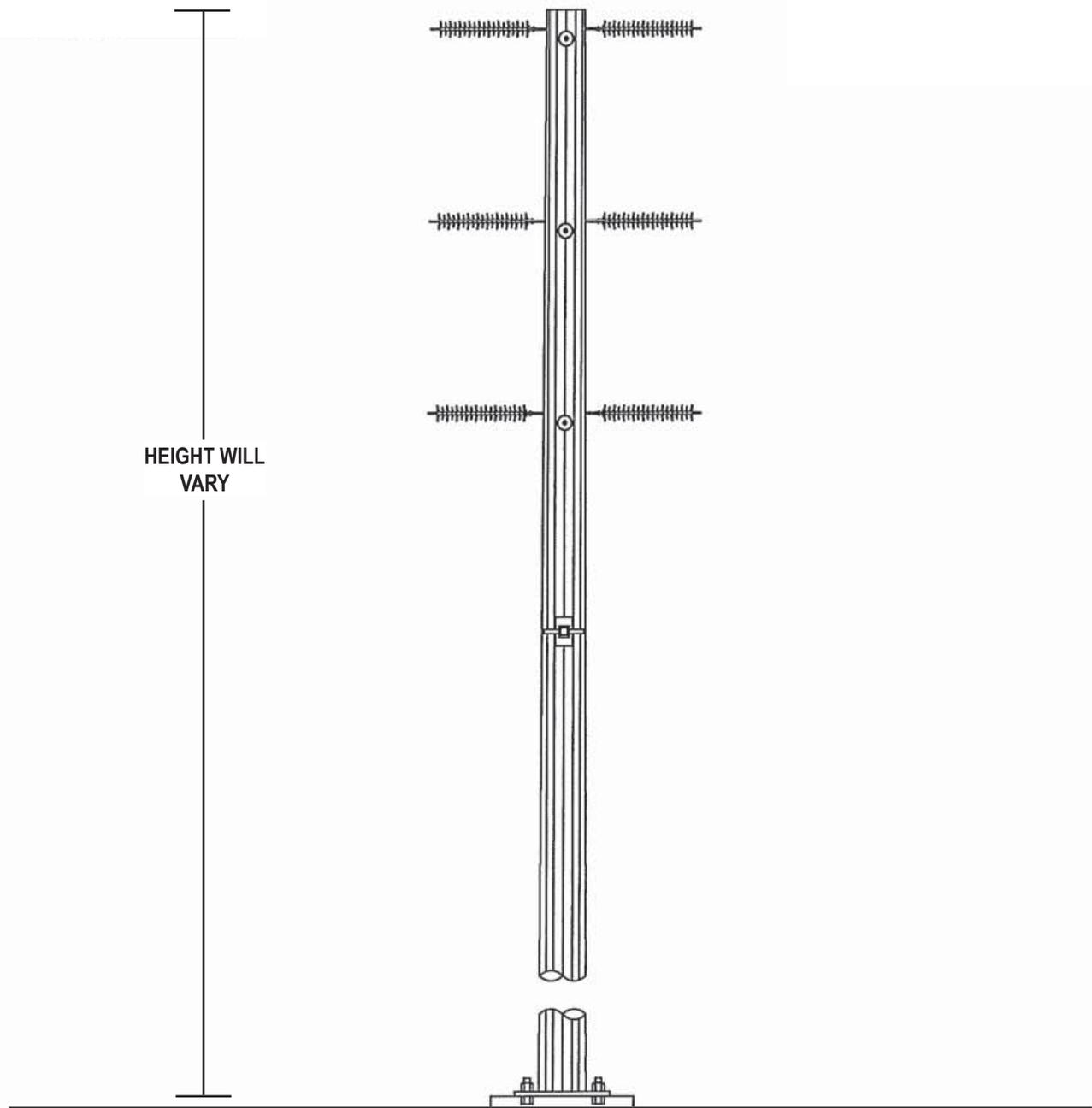
Figure 3C-7  
 Typical Proposed 69kV Steel Tangent  
 Double-Circuit Pole Structure



Notes:

- Pier foundations will be used.
- Steel arms are typically used for dead end poles.
- The number of levels of distribution underbuild will vary.
- Distribution cross arm length and spacing may vary.
- Communications attachments may also be present.
- Pole structure diameter is unknown, subject to the design of the pole structure manufacturer.

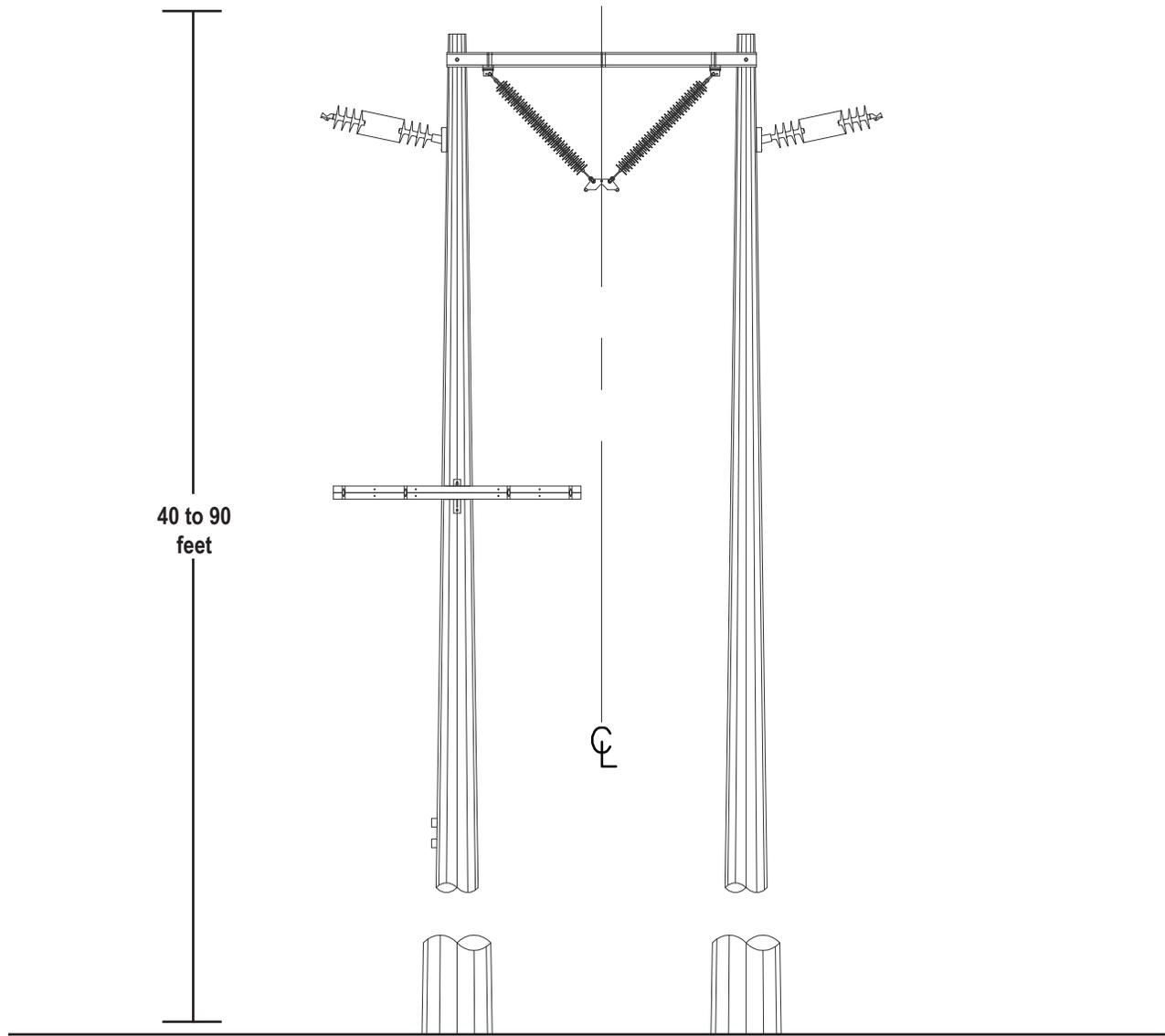
Figure 3C-8  
 Typical Proposed 69kV Steel Dead End  
 Double-Circuit Pole Structure



Notes:

- Pier foundations will be used.
- The number of levels of distribution underbuild will vary.
- Distribution cross arm length and spacing may vary.
- Communications attachments may also be present.
- Pole structure diameter is unknown, subject to the design of the pole structure manufacturer.

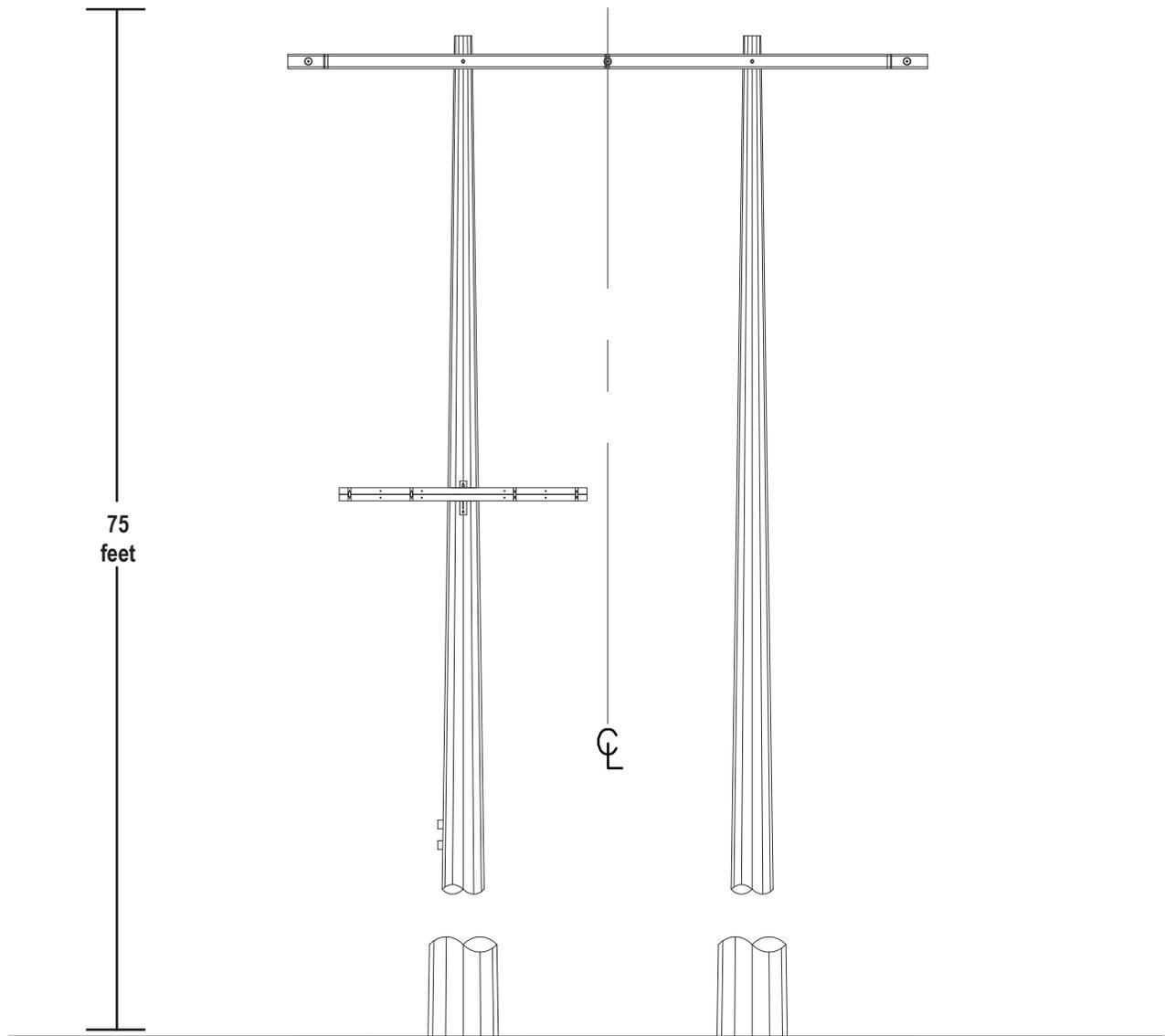
Figure 3C-9  
Modified 69kV Steel Dead End 3-Way  
Pole Structure



Notes:

- Pole foundations will be direct-embed.
- Distribution cross arm length and spacing may vary.
- Communications attachments may also be present.
- Pole structure diameter is approximately 20-30 inches at ground level and 10-14 inches at pole structure tip.

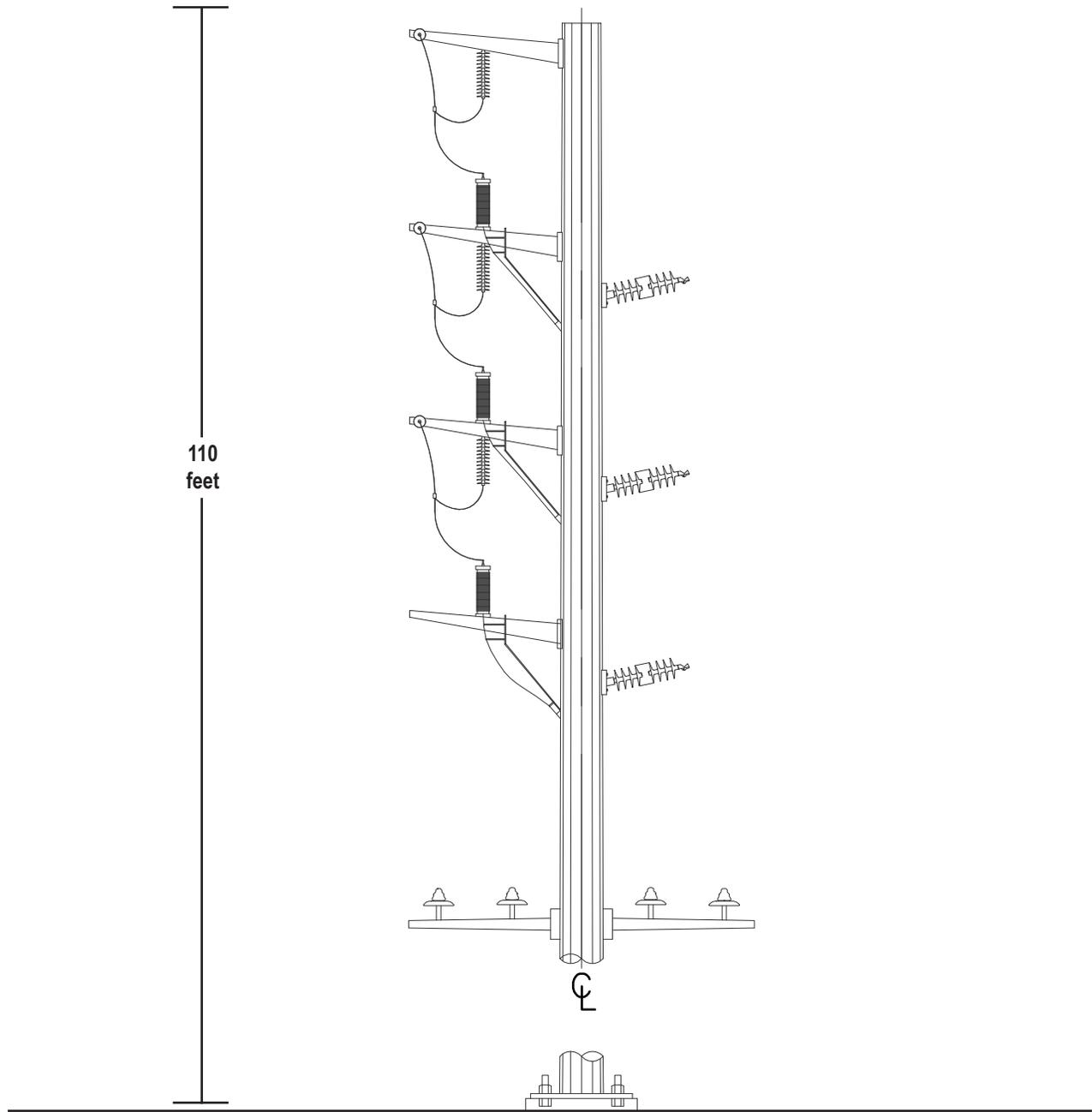
Figure 3C-10  
 Typical Proposed 69kV Steel Tangent  
 H-Frame Pole Structure



Notes:

- Pole foundations will be direct-embed.
- Distribution cross arm length and spacing may vary.
- Communications attachments may also be present.
- Pole structure diameter is approximately 20-30 inches at ground level and 10-14 inches at pole structure tip.

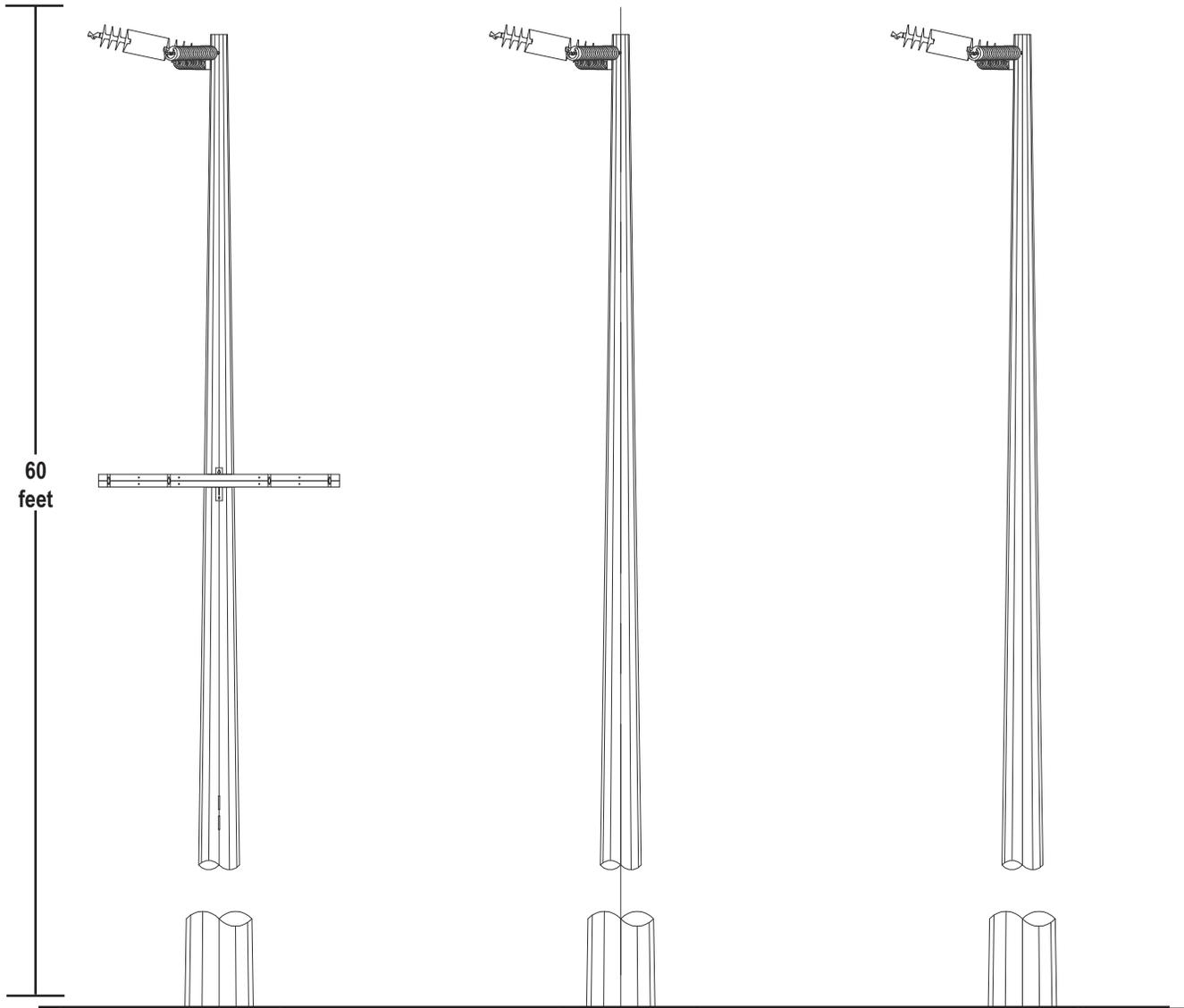
Figure 3C-11  
 Typical Proposed 69kV Steel Dead End  
 H-Frame Pole Structure



Notes:

- Pier foundations will be used.
- Distribution cross arm length and spacing may vary.
- Pole structure diameter is unknown, subject to the design of the pole structure manufacturer.

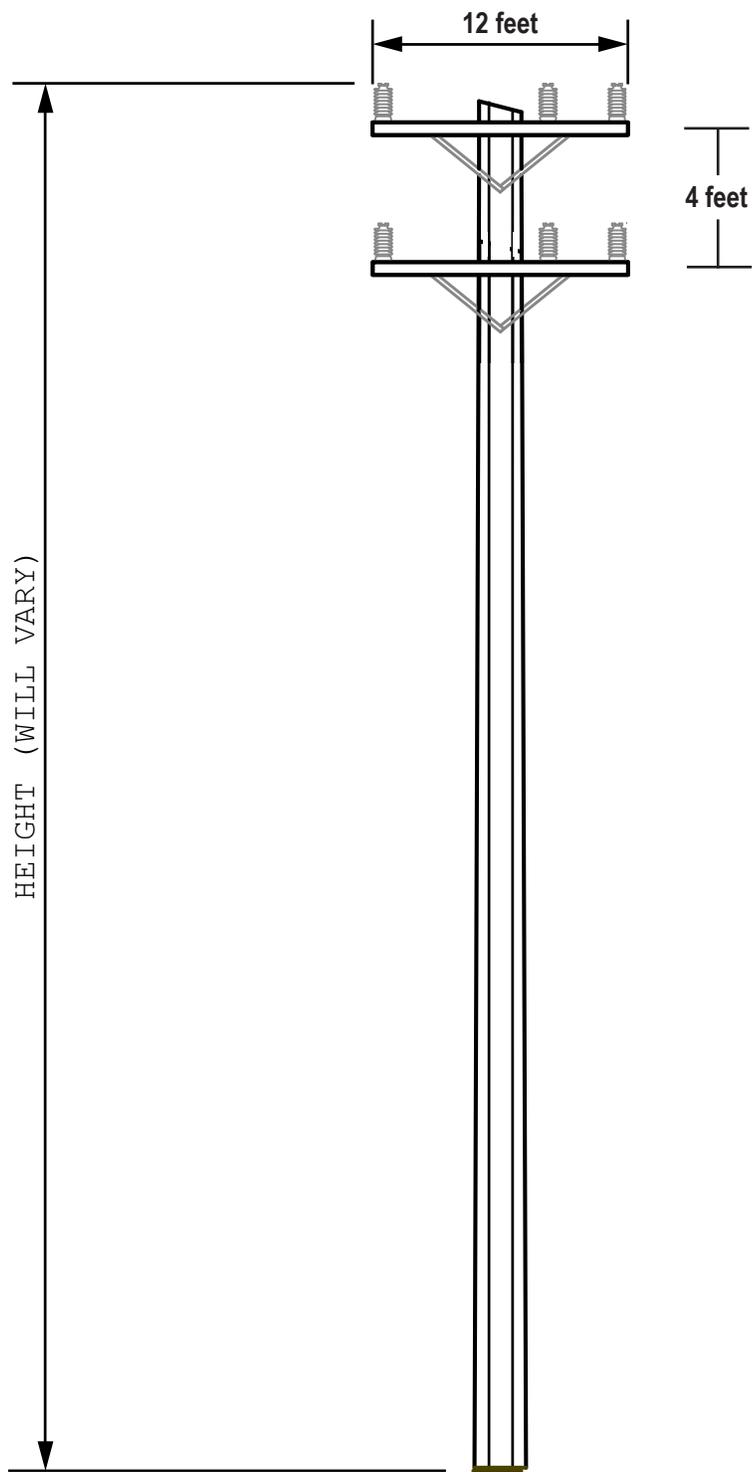
Figure 3C-12  
Typical Proposed 69kV Steel Cable  
Pole Structure



Notes:

- Pole foundations will be direct-embed.
- Distribution cross arm length and spacing may vary.
- Communications attachments may also be present.
- Pole structure diameter is unknown, subject to the design of the pole structure manufacturer.

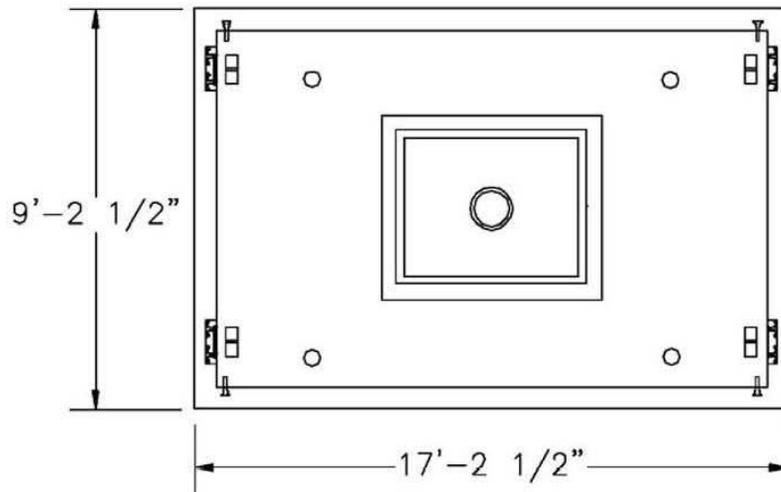
Figure 3C-13  
Typical Proposed 69kV Steel Dead End  
3-Pole Angle Structure



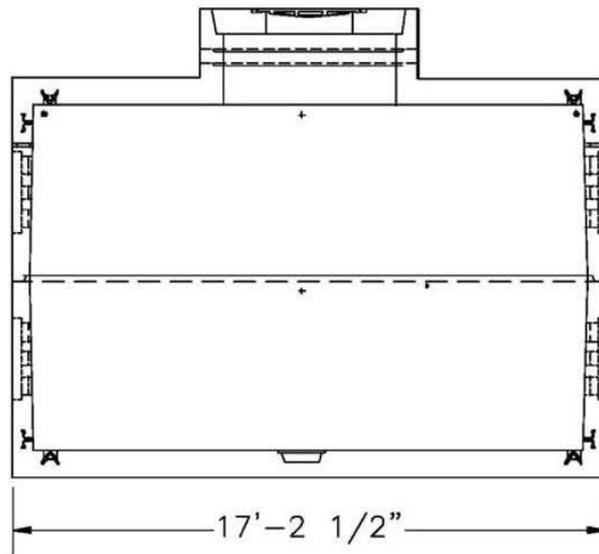
Notes:

- Pole foundations will be direct-embed.
- Distribution cross arm length and spacing may vary.
- Communications attachments may also be present.
- Pole structure diameter is approximately 20-30 inches at ground level and 8-14 inches at pole structure tip.

Figure 3C-14  
Typical Proposed Steel Distribution Pole



PLAN



ELEVATION

Figure 3C-15  
Typical 69kV Underground Vault

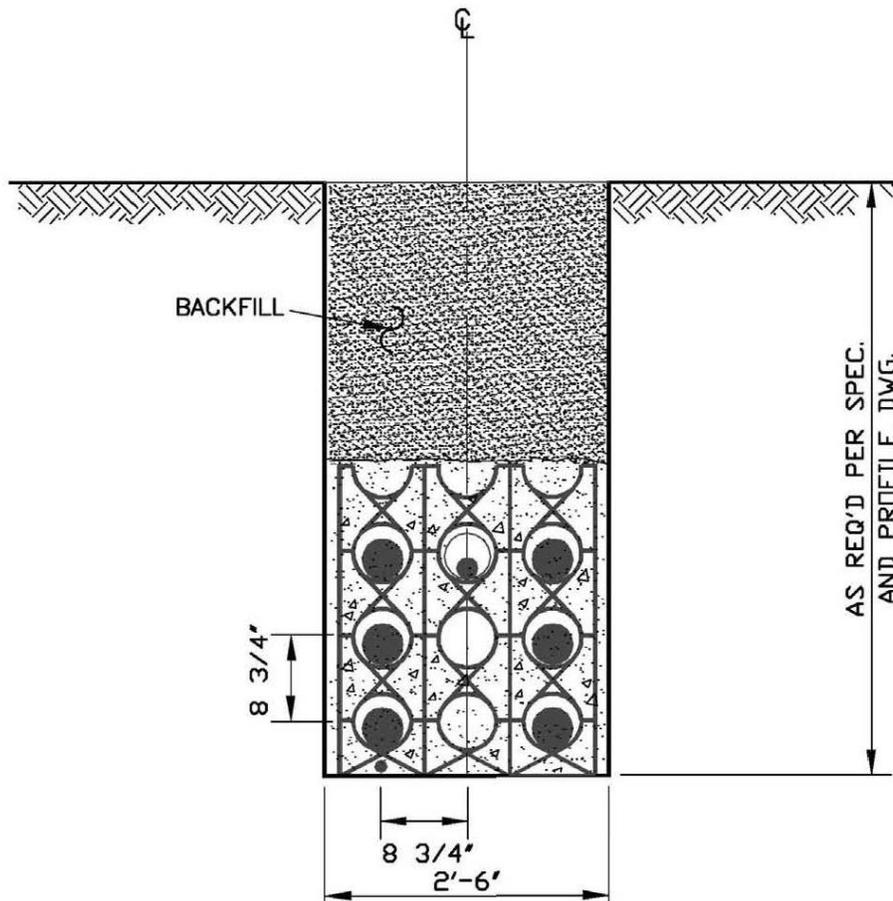


Figure 3C-16  
Typical 69kV Underground Duct Bank

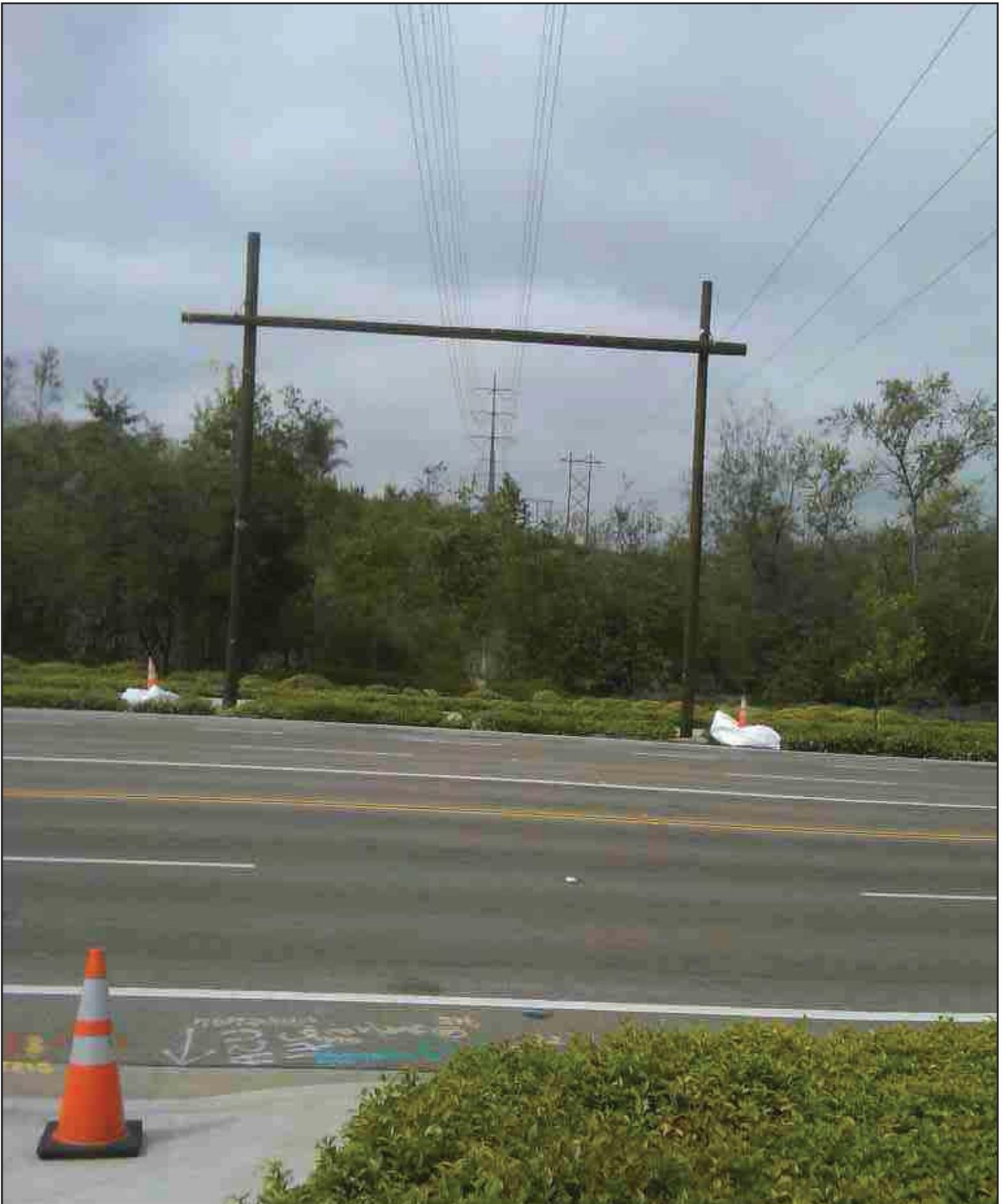


Figure 3C-17  
Typical Guard Structure - 1



Figure 3C-18  
Typical Guard Structure - 2