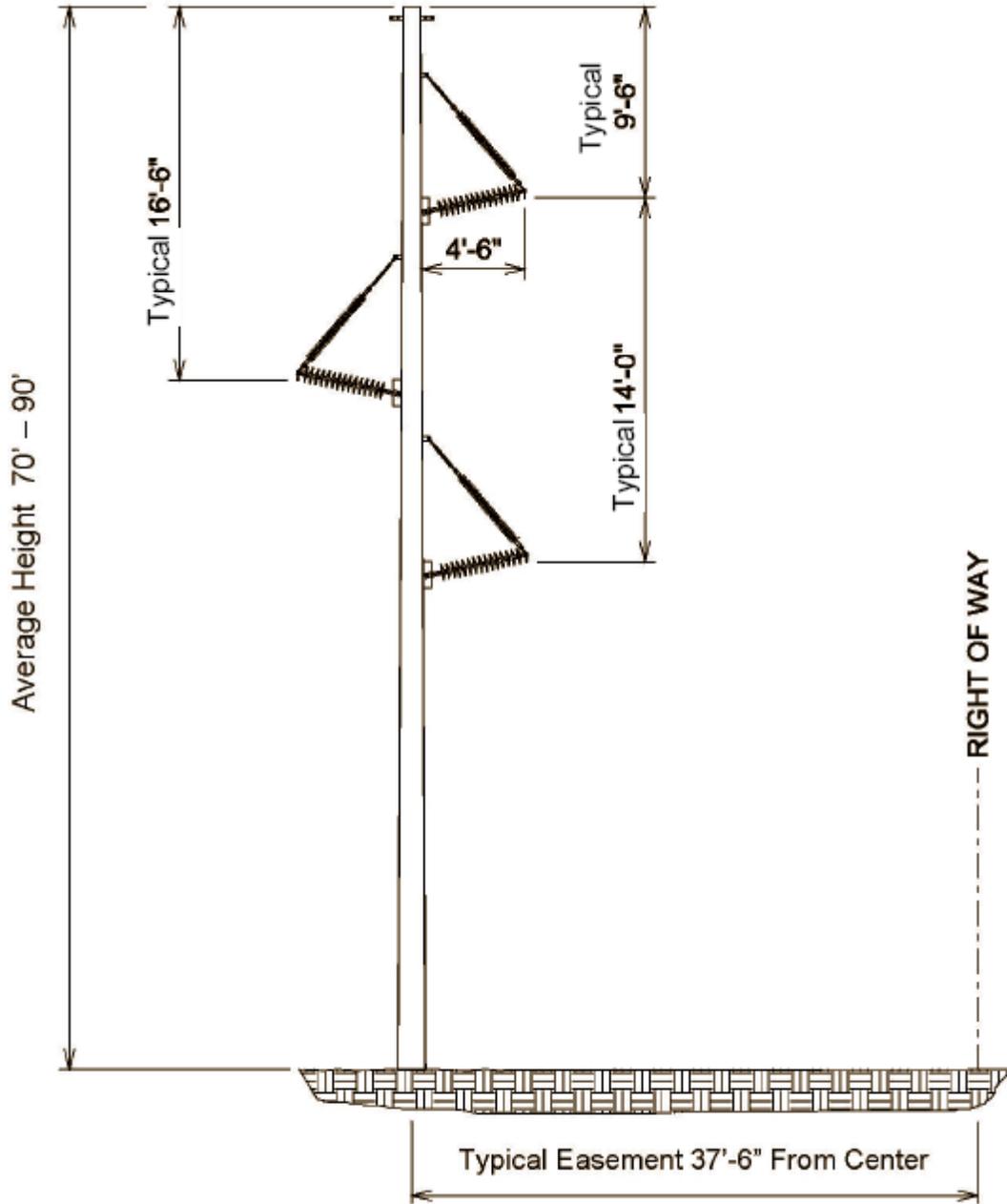
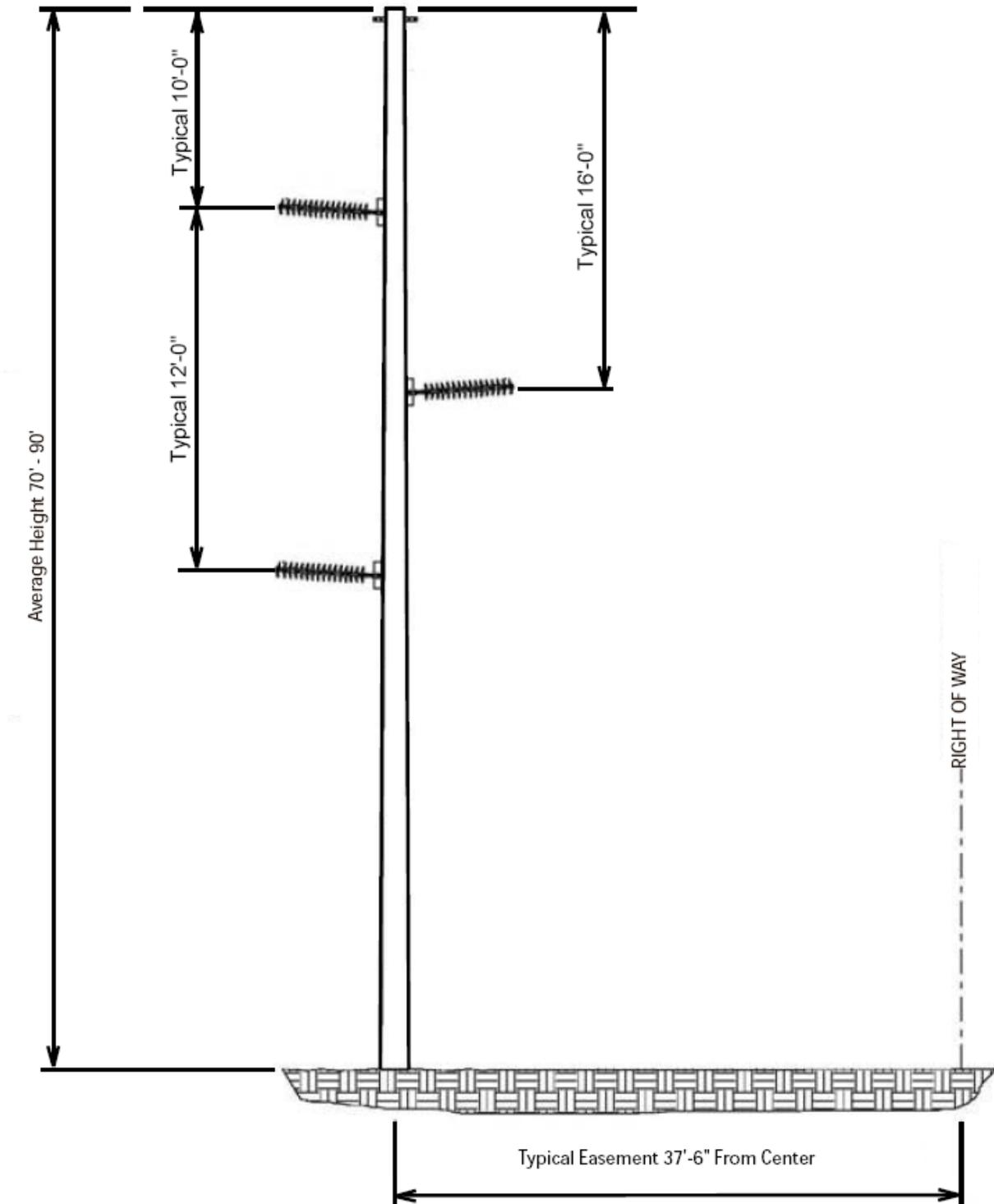


## **Appendix C: Structure Illustrations**

### Typical Dimensions and Right-of-Way Requirements for Single Circuit 115 kV Braced Post Structures



### Typical Dimensions and Right-of-Way Requirements for Horizontal Post Structures



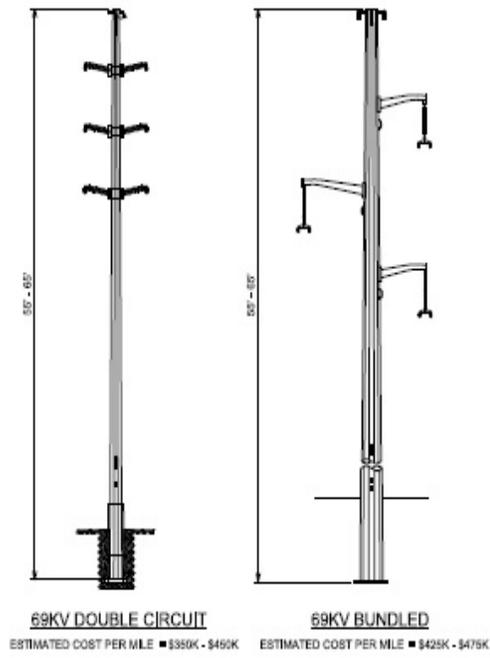
## Typical 115/115 kV Double Circuit Davit Arm Structure

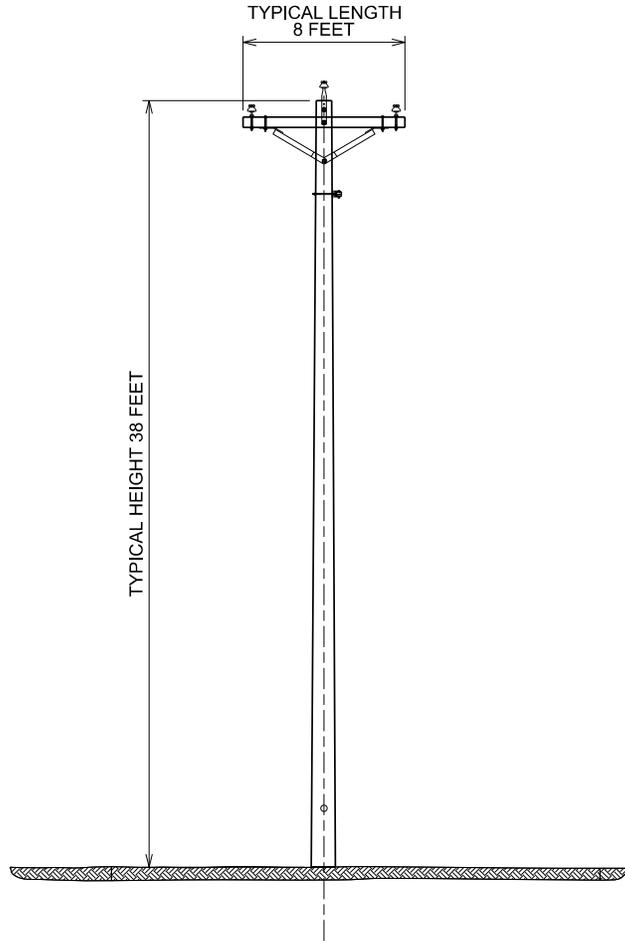


### Typical 115 kV Single Circuit, Single Pole, Cross Arm Y-Frame Structure



## 69 kV Distribution Structures





THIS MAP/DOCUMENT IS A TOOL TO ASSIST EMPLOYEES IN THE PERFORMANCE OF THEIR JOBS.YOUR PERSONAL SAFETY IS PROVIDED FOR BY USING SAFETY PRACTICES, PROCEDURES AND EQUIPMENT AS DESCRIBED IN THE SAFETY TRAINING PROGRAMS, MANUALS AND SPARS.

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NSP OPERATING AREA  
ENGINEERING  
Minneapolis, MN

**DISTRIBUTION LINE**  
**TYPICAL STRUCTURE CONFIGURATION**  
3 PHASE TANGENT DISTRIBUTION POLE

**13.8 TO 34.5 kV**

LOC ID	GRP 1	SIGNIFICANT NUMBER
3		
4		
5A		
5B		
6		
CL		



SCALE  
NONE

**NL-3 PHASE DISTRIBUTION**

REV  
NONE