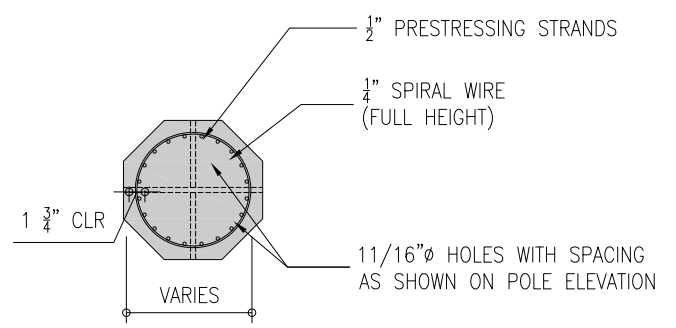
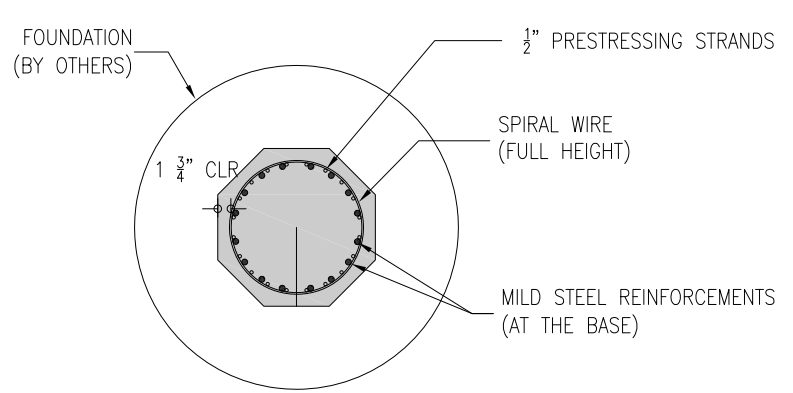


**1 UTILITY POLE ELEVATION**  
Scale: 3/16" = 1'-0"

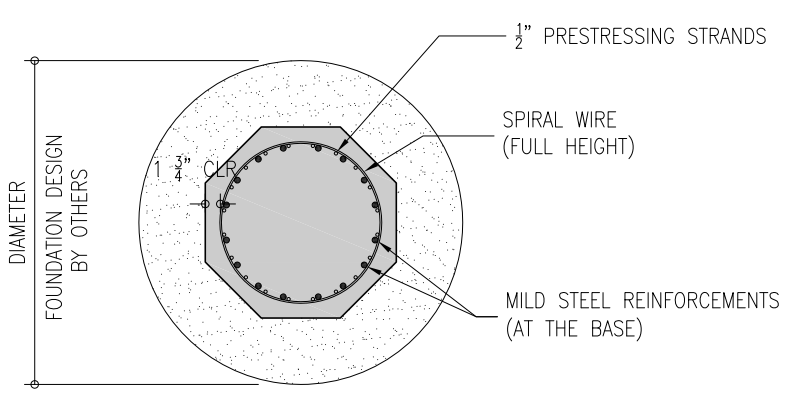
POLE WEIGHT = 23,400 LBS



**2 SECTION NEAR TOP**  
Scale: 3/4" = 1'-0"



**3 SECTION NEAR GROUNDLINE**  
Scale: 3/4" = 1'-0"



**4 SECTION AT FOUNDATION (NEAR BUTT)**  
Scale: 3/4" = 1'-0"

**DESIGN CRITERIA (based on IEEE C2 standards)**

Basic wind velocity	V = 195 MPH
Exposure category	= C
Importance factor	I = 1.0 per section 250-C
Velocity pressure exposure coeff.	Kz = refer to Table 250-2
Gust response factor	GRF = refer to Table 250-3
Force coefficient	Cf = 1.6
28th-day concrete strength	f'c = 6,500 PSI
Strand ultimate strength	fpu = 270 ksi (ASTM A416)

**NOTES ON PRESTRESSED OCTAGONAL CONCRETE POLES**

- PRESTRESSED CONCRETE OCTAGONAL POLES DESIGN ARE BASED ON THE PROVISIONS OF THE FOLLOWING STANDARDS
  - IBC-2012
  - ASCE 7-10
  - NESC C2-2007 (IEEE C2)
  - ACI 318-11
- REFER TO ELECTRICAL DRAWINGS FOR ELECTRICAL MOUNTING REQUIREMENTS
- METHOD OF EMBEDMENT IS NOT PART NOR THE RESPONSIBILITY OF THE PRESTRESSED CONCRETE POLES MANUFACTURER. POLE EMBEDMENT LENGTH SHALL BE COORDINATED WITH THE MANUFACTURER PRIOR TO PRODUCTION OF POLES.
- SIZE AND DEPTH OF EMBEDMENT TO BE CONFIRMED AND DESIGNED BY THE FOUNDATION ENGINEER.

NO.	REVISIONS	DATE



DRAWN BY:	CHECKED BY:
DATE:	DATE:
JOB NUMBER:	DETAIL NO:
	PP-55_45