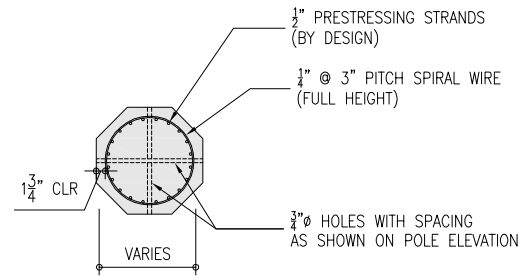
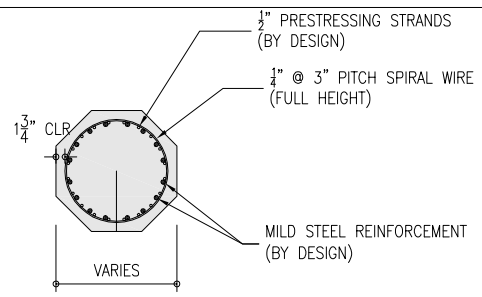


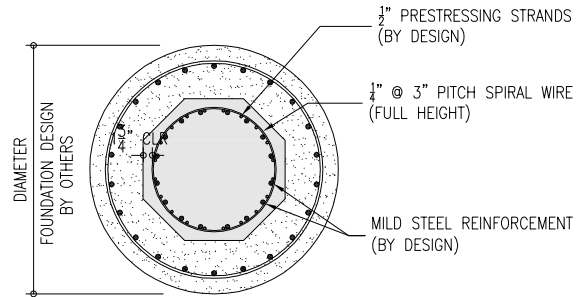
**1 LIGHT POLE ELEVATION**  
 Scale: 3/16" = 1'-0"  
**POLE WEIGHT = 15,160 LBS**



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



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



**4 SECTION AT FOUNDATION**  
 Scale: 3/4" = 1'-0"

**DESIGN CRITERIA**

Basic wind velocity	V = 195 MPH
Exposure category	C
Wind directionality factor	Kd = 0.95 (for octagonal pole)
Gust effect factor	G = 0.85
28th-day concrete strength	f'c = 6,500 PSI
Strand ultimate strength	fpu = 270 ksi (ASTM A416)

**NOTES ON PRESTRESSED OCTAGONAL CONCRETE POLES**

1. PRESTRESSED CONCRETE OCTAGONAL POLES DESIGN ARE BASED ON THE PROVISIONS OF THE FOLLOWING STANDARDS
  - 1.1 IBC-2012
  - 1.2 ASCE 7-10
  - 1.3 ACI 318-11
2. REFER TO ELECTRICAL DRAWINGS FOR ELECTRICAL LIGHTING AND MOUNTING REQUIREMENTS
3. 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.
4. FOUNDATION ENGINEER TO PROVIDE EMBEDMENT DEPTH AND FOUNDATION DESIGN. FOR THE PURPOSE OF DETERMINING THE TOTAL LENGTH OF POLE, EMBEDMENT LENGTH WAS ESTABLISHED USING A RULE OF THUMB WHICH IS 10% OF THE TOTAL POLE LENGTH PLUS 2 FEET ROUNDED TO THE NEAREST FOOT.

NO.	REVISIONS	DATE



DRAWN	CHECKED
BY:	BY:
DATE:	DATE:
JOB NUMBER:	DETAIL NO:
	LP-45