

## Engineering Data Sheet – CL8

### Foundation Material Properties

Concrete: 3000 PSI (28 Day)  
Steel Reinforcement: 60 KSI, New Billet  
Deformed bars  
Assumed Soil Bearing Pressure: 1500 PSF\*  
Assumed Lateral Soil Bearing Pressure: 100  
PSF/FT\*

Anchor Bolts: Hot – Dipped Galvanized  
Minimum Size:  $\frac{3}{4}$ " x 18"  
Minimum Hook Size: 2"  
Material: A36  
Yield Strength: 36 KSI

\*IBC Section 1806 – Site shall not include mud, organic silt, organic clays, peat or unprepared fill. If bearing pressures are less than indicated a professional engineer should design footings based on known conditions.

### Structural Analysis Design Parameters

Applicable Codes: 2015 International Building Code, ASCE 7-10, ACI 318-14 \*\*  
Basic Max 3-Second Gust Wind Speed, V: 150 MPH  
Exposure Category: C  
Risk Category: II  
Gust Coefficient: 1.3  
Gust Effect Factor: 1.14  
Resultant Wind Pressure, Wp: 38.7 PSF

\*Due to the very light nature of light poles, wind speed design easily controls the maximum loads so seismic factors are neglected per ASCE.

\*\* Local codes should always be consulted to verify the acceptability of this sheet.

