

Engineering Data Sheet – CL1

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: 1/2" x 12"
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.

