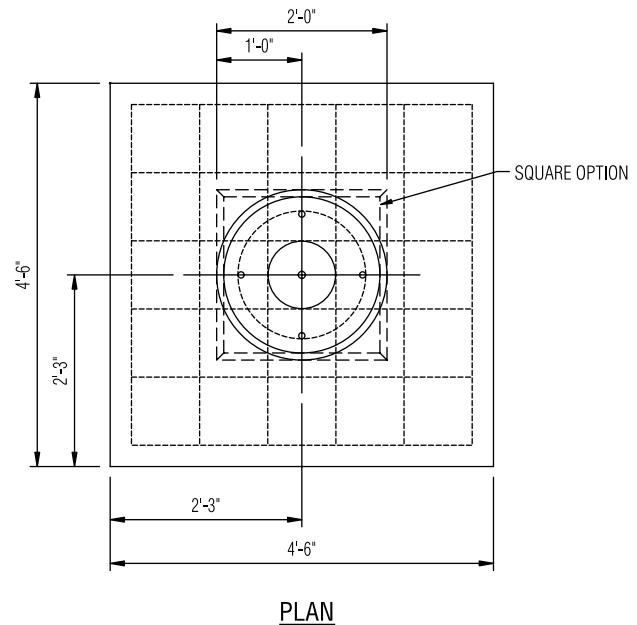
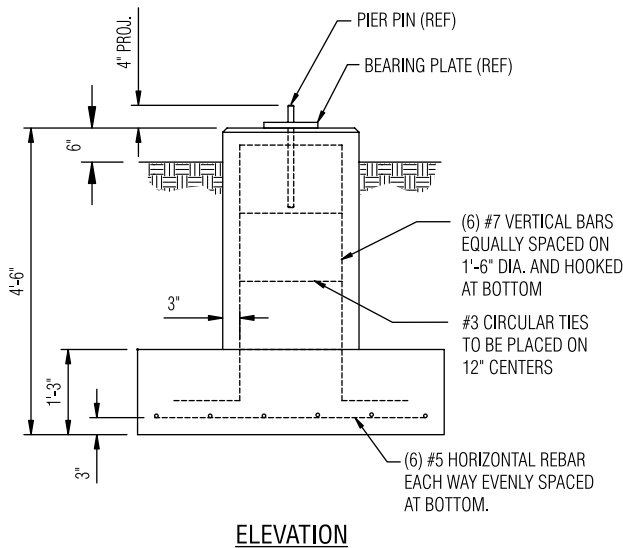




1200 TLWD Guyed Tower Base Pier Foundation "B" For EIA Normal 4000 PSF



TOTAL CONCRETE REQUIRED

1.32 CU.YDS. (ROUND PIER)
1.42 CU.YDS. (SQUARE PIER)

General Foundation Notes:

- Concrete to conform to the requirements of ACI 318-02 and shall have a minimum 28 day compressive strength of 3,000 psi. All concrete is to be placed against undisturbed soil free of water and any foreign materials.
- Rebar to conform to the requirements of ASTM Specification A615 Grade 60. All rebar to have a minimum of 3-in (7.62-cm) concrete cover.
- All exposed concrete corners to be chamfered $\frac{3}{4}$ -in (1.905-cm).
- Foundations designed in accordance with ANSI/TIA/EIA-222-F-1996 using the following:
 - $\frac{1}{3}$ allowable stress increase considered
 - Allowable net vertical bearing capacity = 4000 psf
 - Allowable net horizontal pressure = 400 psf/ft depth (to a maximum of 4000 psf)
 - Soil density = 100 pcf
 - Concrete density = 150 pcf
 - Water table located below bottom of foundation
 - Frost depth less than depth to bottom of foundation
 - For uplift capacity, weight of foundation plus weight of soil enclosed within an inverted pyramid or cone whose sides form an angle of 30-degrees with the vertical.
- A soil analysis should be performed to determine the appropriate site specific parameters to be used for design of the foundations. Foundation designs should be evaluated by a competent registered professional engineer for each particular application.