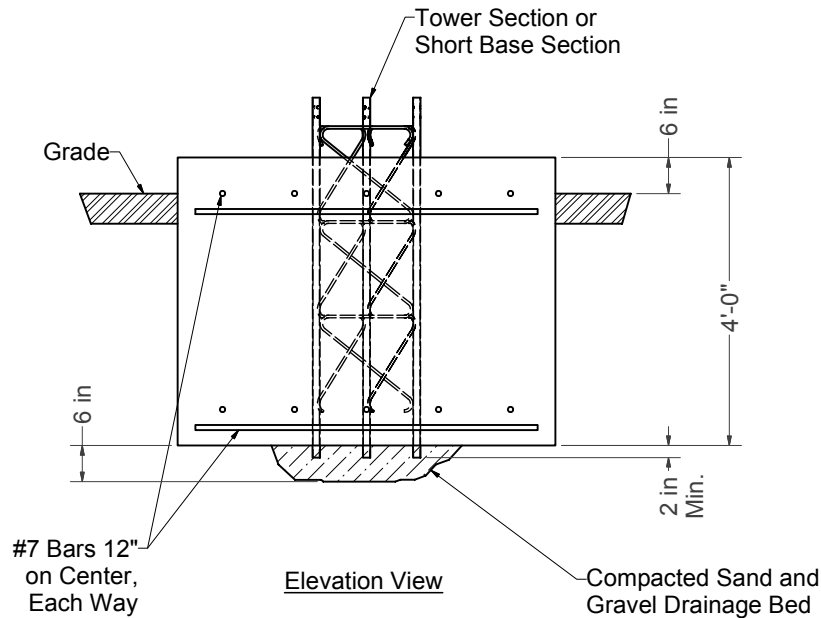


Plan View



Elevation View

Tower No.	Overturing moment Foot	Max. Allowable	W	Concrete Required Cu.
20N	6,800	700	4'-0"	2.4
25N	6,800	700	4'-0"	2.4
45N	12,800	1,600	5'-3"	4.1
55N	22,900	1,600	6'-0"	5.3
65N	49,600	3,800	7'-9"	8.9

1. Foundation Designs are in accordance with ANSI/EIA-222-F. "Structural Standards for Steel Antenna Towers and Antenna Supporting Structures", Section 7, for "Normal" soil conditions. "Normal" soil is defined as dry, cohesive soil with an allowable net vertical bearing capacity of 4000 PSF and an allowable net horizontal pressure of 400 psf per lineal foot of depth to a maximum of 4000 PSF.

2. Foundation designs assume that a field inspection will be performed in order to verify that the actual site soil parameters meet or exceed EIA "Normal" soil parameters and that the depth of standard foundations are adequate based on the frost penetration and/or zone of seasonal moisture variation at the site.

3. Concrete material shall conform to the appropriate state requirements for exposed structural concrete.

4. Reinforcement shall be deformed and conform to the requirements of ASTM A615 Grade 60 unless otherwise noted. Splices in reinforcement shall not be allowed unless otherwise indicated.

5. Welding is prohibited on reinforcing steel and embedments.

6. Foundation designs assume structural backfill to be compacted in 12" Lifts to a 97% of maximum dry density at optimum moisture content in accordance with ASTM D698.

7. Foundation designs assume level ground at tower site.

8. Loose material shall be removed from bottom of excavation prior to concrete placement.

9. Concrete cover from exposed surface of concrete to surface of reinforcement shall not be less than 3".

10. Concrete shall develop a minimum compressive strength of 3,000 psi in 28 days.

DRAWN Ray Helvey	12/10/2003	TITLE Foundation Details Self-Supporting 20N, 25N, 45N, 55N & 65N Towers	 72377 Airline Dr. Nappanee, IN 46550 Bus: (574)773-4827 Fax: (574)773-5840
CHECKED			
MFG			
APPROVED DJI	12/10/2003		
WEIGHT			
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