



General Notes

1. Pole design conforms to ANSI/TIA/EIA-222-F. Refer to attached *Pole Design Properties* for EPA pole capacities based upon tabulated wind speeds (1/2 inch radial ice loading considered for each design). Design criteria must be verified by others prior to installation based on site-specific requirements.
2. Pole orientation to be determined by others based upon site-specific requirements.
3. Work shall be in accordance with ANSI/TIA/EIA-222-F, *Structural Standards for Steel Antenna Towers and Antenna Supporting Structures* and with local codes and safety regulations. Procedures for the protection of excavations, existing construction and utilities shall be established prior to installation.
4. Conformance with local, state, and federal requirements for obstruction marking and lighting shall be verified by others prior to installation.
5. Design assumes that, as a minimum, maintenance and inspection will be performed over the life of the structure in accordance with ANSI/TIA/EIA-222-F.
6. Embedment depth is based on ANSI/TIA/EIA-222-F "normal" soil conditions. Actual site soil design parameters shall be verified by others to meet or exceed "normal" soil design parameters prior to installation.
7. Refer to attached *Pole Design Properties* for pole dimensions, number of sections, required splice lengths and minimum auger diameter.
8. Structural steel conforms to ASTM A572 grade 65, hot-dip galvanized after fabrication in accordance with ANSI/TIA/EIA-222-F. Pole section part numbers are numbered sequentially from top to bottom.
9. Tolerance on assembled pole steel length is equal to plus 1% or minus 1/2%.
10. Step bolts and a safety climb cable are provided starting from 20 ft. AGL (18 ft. min) to the top of the pole.
11. Corrosion control coating is provided from 6" above grade line to the butt of the pole.
12. Antennas, mounts, and transmission lines are provided by others unless otherwise specified. Design assumes all transmission lines are routed internally.
13. Grounding is to be supplied by others and must meet all applicable codes
14. Non-staining lubricant shall be applied to the slip joint surfaces. Jacking forces shall be applied until the minimum splice length is obtained and the joint is tight with no gaps greater than 1/4 inch. Jacking lugs are provided above and below each splice location at 120° separations.
15. Aggregate backfill, when specified (refer to attached *Pole Design Properties*), shall be #57 stone or equivalent conforming to ASTM C33 and placed to minimize voids.
16. Concrete backfill, when specified (refer to attached *Pole Design Properties*), shall develop a minimum compressive strength of 3,000 psi in 28 days using 1 1/2 inch maximum coarse aggregate size and shall conform to the appropriate state requirements for exposed structural concrete. The durability requirements of ACI 318 Chapter 4 shall be satisfied based on the conditions expected at the site. Free fall concrete may be used provided fall is vertical down without hitting sides of excavation or pole and does not fall through water.