



CabinetPile™ Helical Pile Foundation System (Patent Pending)

CabinetPile™ is a patent pending foundation system which combines the features and benefits of a traditional anchor and a steel pole.

Applications

The CabinetPile™ is designed for Elevated or Ground Mount applications supporting communications cabinets and equipment (such as VRAD cabinets and cross connect cabinets)

Testing

CabinetPile™ exceeds Telcorida GR487 Issue 3 requirements for:

- Compression Loading
- 150 mph Hurricane Force Wind Loading
- Environmentally Induced and Seismic Vibration

CabinetPile™ Foundation System consists of...

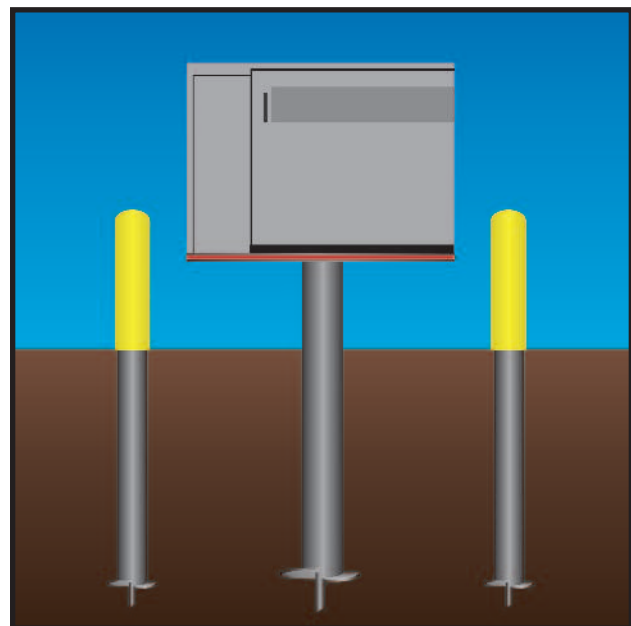
- Traditional Helical Pile with Modified Top Plate to support communications cabinets
- Radial slots that offer full adjustability of the cabinet alignment
- Drilled and tapped holes for ground lug attachment
- Various lengths and diameters are available for varying soil conditions, equipment weight, and potential above grade positioning
- Schedule 40 pipe for strength
- Galvanized to ASTM A153 for corrosion protection

Custom Adapter Plates Available

- Designed as a transition between the helical pile and the communications cabinet
- Custom designs can consolidate an entire series of cabinets to a single adapter plate
- Features such as:
 - Recessed bolt locations offer a flat surface for cabinet mounting
 - Multiple wire access ports

Complete Hardware Kit

- Kit can include all necessary hardware:
 - Bolts, nuts, washers, and locknuts for attaching all pieces together
 - Hardware for ground lug attachment
 - Cap plugs or gaskets to seal any cable entry locations

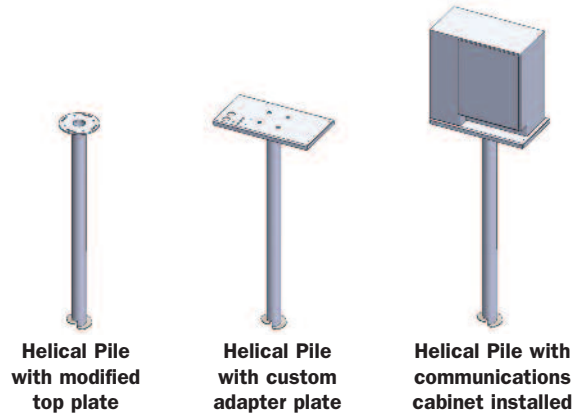




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Elevated Applications

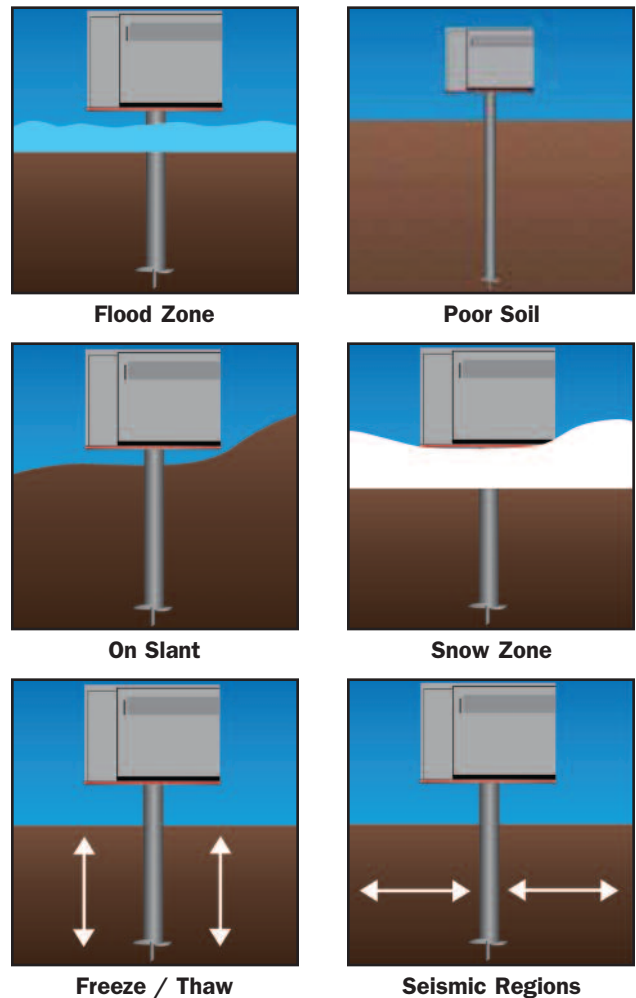
- Superior installation to traditional pole mount applications:
 - Lower overall installation cost
 - Installs in less than one hour
 - Installation site is independent of pole condition, class of pole, or other site limitations
 - Eliminates "joint use" pole conflict
 - Meets most industry bonding and grounding requirements
- Raises the cabinet above flood stage for hurricane affected areas
- Raises the cabinet in alleyways to avoid snow plow damage
- Allows deeper pile depths
- Allows for installation in soil conditions considered "less than ideal"



Ground Mount / Flush Mount Applications

- Superior installation to traditional concrete slab and pre-cast slab installations:
 - Lower overall installation cost
 - Dramatically less site restoration - fewer customer headaches
 - Immediate cabinet installation - no waiting for concrete to dry
 - Single visit for CabinetPile™, versus multiple visits for concrete slab installation
- Ideal for terrain conditions with frequent freeze/thaw cycles which can lead to concrete slab shifting, settling and cracking
- Uneven terrain
- Allows for cabinet to be installed on an incline without costly retaining walls
 - Deep pile eliminates concern of soil erosion which can undermine a traditional slab installation
- Seismic Regions
 - Assembly has passed GR487 for seismic vibration

CabinetPile™ Applications



CabinetPile™ System installation requirements:

Utility truck with hydraulic drive head. Torque rating of 12,000 ft. lbs. (min.) for ideal conditions. Torque rating of 25,000 ft. lbs. (min.) to address virtually all soil conditions and depths. Kelly bar hex size of 2", 2.5", 2.625" (measures across the flat part of the hex). MSI installation tool. Ground survey to check for buried utilities.

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