Guide to Components (top to bottom)

1. Extension cylinder/shaft/envelope (damaged)
2. Bracket
   a. Horizontal support beams (damaged)
   b. Tie rods (damaged)
3. Coupling
4. Lead cylinder/shaft/envelope
   a. Wooden stem/pile
   b. Wooden stem/pile tip (damaged)
   c. Wooden stem/pile shoe (missing)
5. Screw/helix/flange/worm
   a. Blade
   b. Leading edge
   c. Trailing edge

“Right” profile view:

Bracket end:

Screw end:

Plan view:

“Left” profile & cutaway view:

Scale:

0 1 2 3 feet

Helical Screw Pile
From Roanoke Marshes Light, Croatan Sound, NC (1877-1955)
Pre-treatment drawing
18 September 2013

Final drawing by: Nathan Richards

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