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 CANADA  
 www.technometalpost.com

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REVISIONS

DATE	DESCRIPTION	REV.

Client :

Client adress :

Project :

Drawing : **Techno Metal Post  
 Model P3  
 (Deep foundation)**

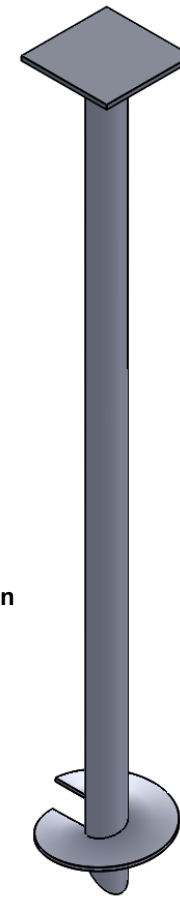
Approved by :

Date : 2011-10-31

Scale : N/A

Drawing no: P3-R0-A-USA

Page number : SHEET 1 OF 1



**Supporting plate**  
 Standard : ASTM A36 - Steel  
 (see note #6)

**Steel shaft**  
 Model P3 : 3.5" x 0.216" [ 88.9mm x 5.5mm ]  
 Standard : ASTM A500 grade C - Circular steel section  
 (see note #6)

**1/2" [ 12.7mm ] thick factory-welded helix**  
 Standard : ASTM A36 - Steel  
 (see note #6)

Actual pile length to be  
 determined by field  
 conditions and desired  
 loading capacity.  
 (see note #5).

**8" to 24"**  
**[ 203 to 610mm ]**  
 Helix diameter varies  
 according to soil  
 conditions and desired  
 loading capacity.

Load Capacity		
Maximum compressive bearing capacity <sup>1,3</sup> (allowable load)	Lateral bearing capacity <sup>2,4</sup> (allowable load)	Factored bending resistance (ultimate load)
(lbs)	(lbs)	(lbs.ft)
33,750	2,250	6,454

- NOTES:**
- The maximum tensile load capacity can be obtained, conservatively, by halving the values of the bearing capacity in compression shown in the selection table.
  - The lateral capacity depends on the density of soil (to validate consult technical department of Techno Metal Post.)
  - When the pile is laterally unsupported (soil very loose / soft, liquefiable soils, water and air), the structural strength of the pile must be approved by the technical department of Techno Metal Post.
  - The values of lateral capacity are average values and can be modified, more or less, depending on the characteristics of the existing soil.
  - If required, piles may be field welded with extensions to achieve greater loading capacities in poor soil conditions.
  - If required, the helical pile and the supporting plate can be galvanized in compliance with standard ASTM A123