

1700, Setlakwe Street  
Thefford Mines (QC) G6G 8B2  
CANADA  
www.technometalpost.com

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REVISIONS

DATE	DESCRIPTION	REV.

Client :

Client adress :

Project :

Drawing :  
**Techno Metal Post  
Model P6  
(Deep foundation)**

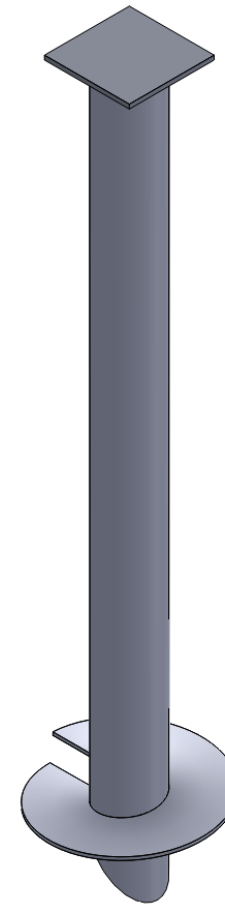
Approved by :

Date :  
2011-10-31

Scale :  
N/A

Drawing no:  
P6-R0-A-USA

Page number :  
SHEET 1 OF 1



**Supporting plate**  
Standard : ASTM A36 - Steel

**Steel shaft**  
Model P6 : 6.625" x 0.280" [ 168.3mm x 7.1mm ]  
Standard : ASTM A500 grade C - Circular steel section

**1/2" [ 12.7" ] Thick factory-welded helix**  
Standard : ASTM A36 - Steel

Actual pile length to be  
determined by field  
conditions and desired  
loading capacity.

**12" to 24"**  
**[ 305 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)
50,625	6,750	33,876

- 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