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REVISIONS

DATE	DESCRIPTION	REV.

Client :

Client adress :

Project :

Drawing :

**Techno Metal Post
 Model P3 HD
 (Deep foundation)**

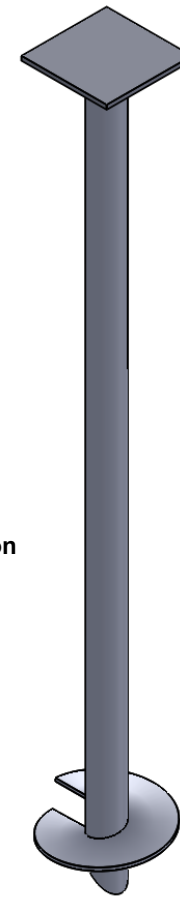
Approved by :

Date :
 2011-10-31

Scale :
 N/A

Drawing no:
 P3 HD-R0-A-USA

Page number :
 SHEET 1 OF 1



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

Steel shaft
 Model P3 HD : 3.5" x 0.300" [88.9mm x 7.6mm]
 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 ^{1,3} (allowable load)	Lateral bearing capacity ^{2,4} (allowable load)	Factored bending resistance (ultimate load)
(lbs)	(lbs)	(lbs.ft)
50,625	2,250	9,057

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