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REVISIONS

DATE	DESCRIPTION	REV.

Client :

Client adress :

Project :

Drawing :

**Techno Metal Post
Model P4
(Deep foundation)**

Approved by :

Date :
2011-10-31

Scale :
N/A

Drawing no:
P4-R0-A-USA

Page number :
SHEET 1 OF 1

Supporting plate
Standard : ASTM A36 - Steel

Steel shaft
Model P4 : 4" x 0.226" [101.6mm x 5.7mm]
Standard : ASTM A500 grade C - Circular steel section

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

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

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)
45,000	2,700	9,411

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

