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REVISIONS

DATE	DESCRIPTION	REV.

Client :

Client address :

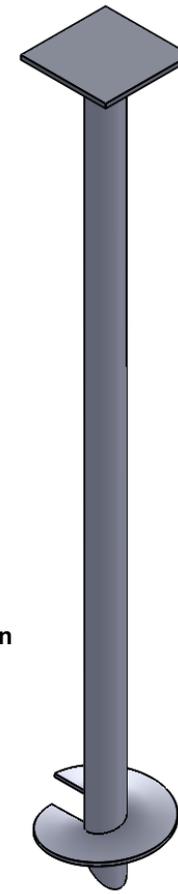
Project :

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

Approved by :

Date : 2011-10-31 Scale : N/A

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Supporting plate
Standard : CSA G40.21 - 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 : CSA G40.21 - 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}				Lateral bearing capacity ^{2,4}		Factored bending resistance	
SLS		ULS		SLS		ULS	
(lbs)	(kN)	(lbs)	(kN)	(lbs)	(kN)	(lbs.ft)	(kN.m)
50,625	225.2	70,875	315.3	2,250	10.0	9,057	12.3

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 CAN / CSA G-164-M92 610g / m²