

**CONFIDENTIAL**  
THE INFORMATIONS CONTAINED  
IN THIS DRAWING IS THE SOLE  
PROPERTY OF TECHNO PIEUX INC.  
ANY REPRODUCTION IN PART OR  
AS A WHOLE WITHOUT THE WRITTEN  
PERMISSION OF TECHNO METAL POST INC.  
IS PROHIBITED

REVISIONS

DATE	DESCRIPTION	REV.
26/06/2013	Revised Load capacity.	1

Client :

Client address :

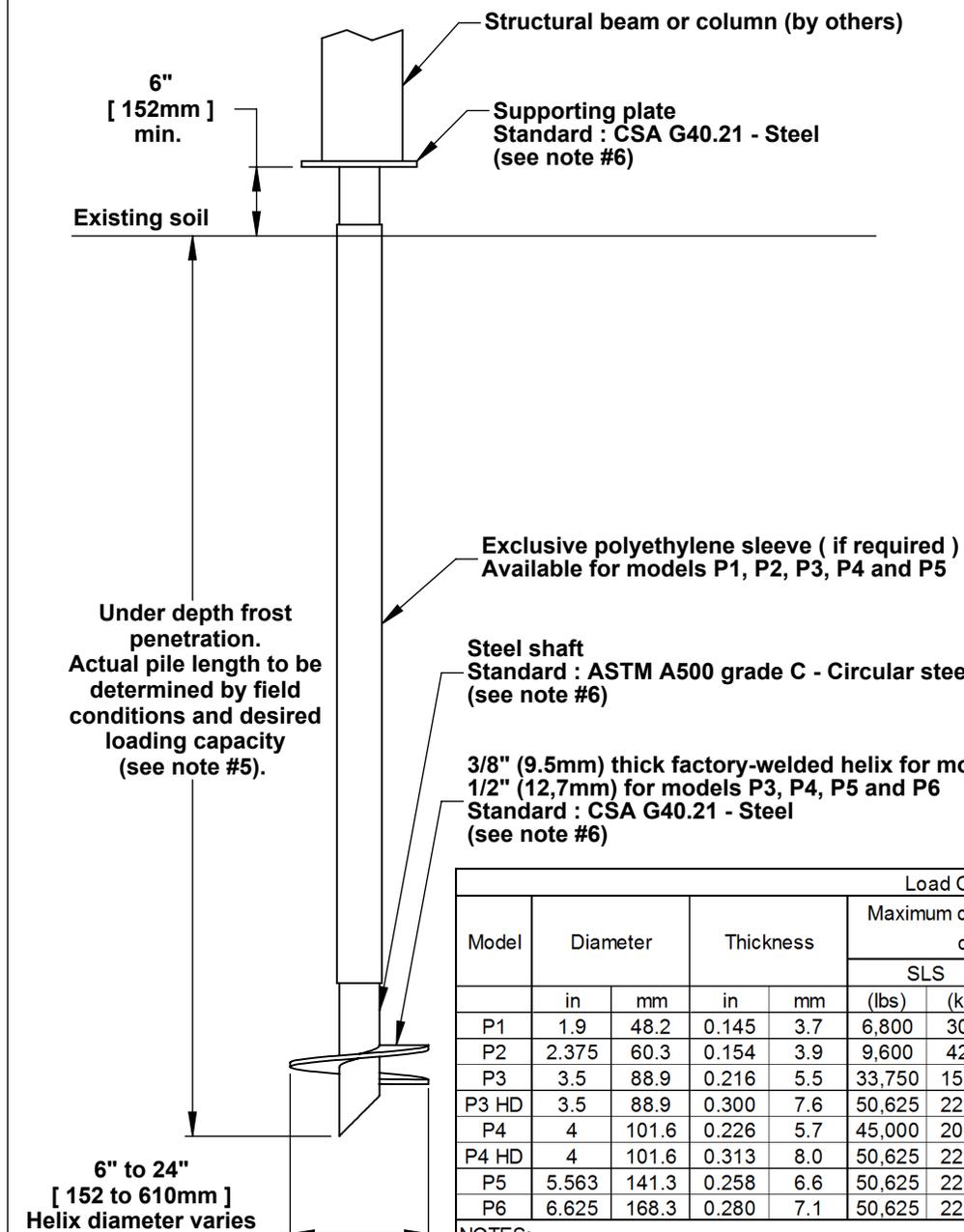
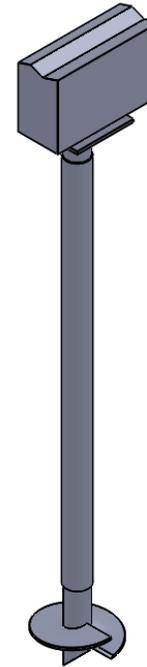
Project :

Drawing :  
**General plan workshop  
Techno Metal Post  
Model P1 to P6  
(Above ground structure)**

Approved by :

Date : 2011-11-04  
Scale : N/A

Drawing no: P1-TO-P6-G-R1-A  
Page number : SHEET 1 OF 1



Model	Diameter		Thickness		Load Capacity							
					Maximum compressive bearing capacity <sup>1,3</sup>				Lateral bearing capacity <sup>2,4</sup>		Factored bending resistance	
					SLS		ULS		SLS		ULS	
in	mm	in	mm	(lbs)	(kN)	(lbs)	(kN)	(lbs)	(kN)	(lbs-ft)	(kN.m)	
P1	1.9	48.2	0.145	3.7	6,800	30.2	9,520	42.3	225	1.0	1,010	1.4
P2	2.375	60.3	0.154	3.9	9,600	42.7	13,440	59.8	450	2.0	1,785	2.4
P3	3.5	88.9	0.216	5.5	33,750	150.1	47,250	210.2	2,250	10.0	6,454	8.8
P3 HD	3.5	88.9	0.300	7.6	50,625	225.2	70,875	315.3	2,250	10.0	9,057	12.3
P4	4	101.6	0.226	5.7	45,000	200.2	63,000	280.2	2,700	12.0	9,411	12.8
P4 HD	4	101.6	0.313	8.0	50,625	225.2	70,875	315.3	2,700	12.0	13,394	18.2
P5	5.563	141.3	0.258	6.6	50,625	225.2	70,875	315.3	4,500	20.0	21,316	28.9
P6	6.625	168.3	0.280	7.1	50,625	225.2	70,875	315.3	6,750	30.0	33,876	45.9

- 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 / m<sup>2</sup>