



PROPRIETARY AND CONFIDENTIAL

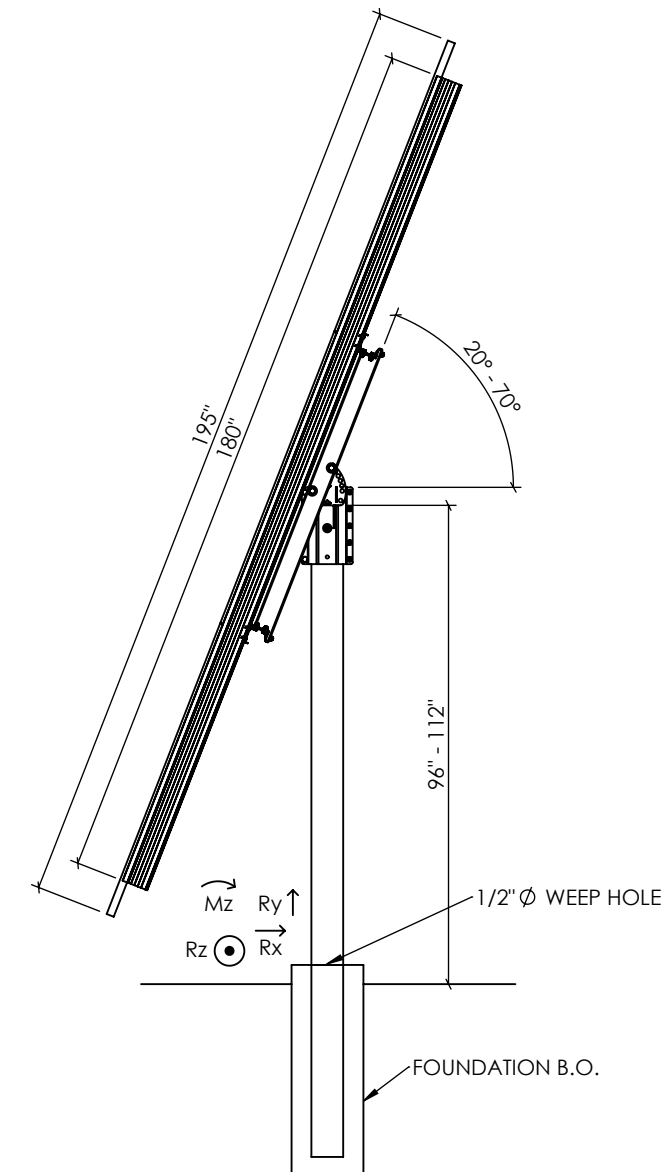
A circular professional seal for a Licensed Professional Engineer in the Province of Ontario. The seal features a signature, the name 'A. SVIDSKI', the license number '100204142', and the expiration date 'AUG 17, 2020'. The text 'LICENSED PROFESSIONAL ENGINEER' is curved along the top inner edge, and 'PROVINCE OF ONTARIO' is curved along the bottom inner edge.

[illegible]

TPM6

RACKING DETAIL - TPM 6in POST

DRAWN	CD	DWG NO. S01	REV
CHECKED	AW		
DATE	2020-08-17		
SCALE	1:40		



**THIS DRAWING IS FOR THE RACKING SYSTEM ONLY.
BASE DESIGN AND ENGINEERING BY OTHERS.**

ALL WEATHER-EXPOSED STEEL SHALL BE FULLY HOT-DIP GALVANIZED

1. RACKING CAN BE INSTALLED AT A TILT RANGE OF 20° TO 70°
2. RACKING ANGLE MAY BE MANUALLY ADJUSTED
3. ACCEPTS UP TO 9 60-CELL MODULES OR 6 72-CELL MODULES
4. MAXIMUM MODULE SURFACE AREA OF 178 SQFT
5. THIS DRAWING IS FOR THE RACKING SYSTEM ONLY

LOADS AT BASE/TOP OF FOUNDATION (UNFACTORED)				
	Rx	Ry	Rz	Mz
DEAD	0 kN	-6 kN	0 kN	+/-0.5 kN
WIND (70° TILT)	+/-18 kN	+/-7 kN	+/-3.6 kN	+/-55 kN
WIND (20° TILT)	+/-6.5 kN	+/-17.5 kN	+/-1.5 kN	+/-17.5 kN
SNOW (70° TILT)	NOT CONSIDERED			
SNOW (40° TILT)	0 kN	-25 kN	0 kN	+/-2 kN

(!) WHERE SITE-SPECIFIC DATA EXCEEDS DESIGN VALUES (BELOW), VERIFICATION OF THE STRUCTURE IS REQUIRED.

- OPEN TERRAIN
- HOURLY WIND PRESSURE (1/50) $q = 0.48 \text{ kPa}$
- $I_w = 0.8$ (ULS)/0.75 (SLS), LOW IMPORTANCE
- GUST FACTOR, $C_g = 2.0$
- REFERENCE HEIGHT ABOVE GROUND NOT EXCEEDING 10m, $C_e = 0.9$

A MINIMUM SLOPE OF 40° FROM THE HORIZONTAL MUST BE MAINTAINED DURING THE WINTER MONTHS WHEN SNOWFALL IS POSSIBLE.

- $S_s = 2.5 \text{ kPa}$ / $S_r = 0.4 \text{ kPa}$
- SLIPPERY SURFACE
- $I_w = 0.8 \text{ (ULS)}/0.9 \text{ (SLS)}$, LOW IMPORTANCE

