

NOTE:
 -INSTALLER IS RESPONSIBLE FOR PROPER
 INSTALLATION AND FOUNDATION BASED
 ON SITE WIND LOADING AND LOCAL BUILDING CODES.
 -SUBJECT TO LOCAL STRUCTURAL ENGINEERING APPROVAL

TPM MOUNTING POLE GUIDELINES

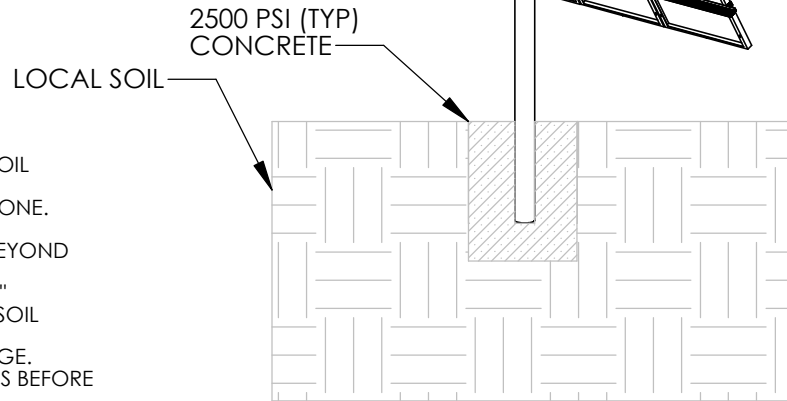
THE TABLE BELOW PROVIDES AN OUTLINE FOR THE EXPECTED POLE SIZES AND LENGTHS FOR VARIOUS HES PV LIMITED MOUNTS.

IT IS IMPORTANT TO NOTE THAT THESE GUIDELINES REPRESENT AN AVERAGE INSTALLATION. LOCAL SOIL AND WIND CONDITIONS MAY EFFECT DEPTH AND DIAMETER OF THE HOLE AND THE AMOUNT OF CONCRETE NEEDED.

IF THERE IS ANY CONCERN ABOUT LOCAL CONDITIONS; HES PV LIMITED RECOMMENDS A CIVIL ENGINEER, FAMILIAR WITH LOCAL SOIL CONDITIONS, BE CONSULTED.

FAST-RACK MOUNT	POLE SIZE (STEEL PIPE)	LENGTH IN GROUND (IN)	HEIGHT ABOVE GROUND (IN)	HOLE DIAMETER (IN)
FR-TPM1-36C-L	2" SCHED 40	30-36	48-72	8-12
FR-TPM1-UNI	3" SCHED 40	34-46	48-72	10-14
FR-TPM2-36C-L	3" SCHED 40	36-42	48-72	12-16
FR-TPM2-UNI	3" SCHED 40	38-56	60-72	12-16
FR-TPM3-UNI	4" SCHED 40	48-66	60-72	20-30
FR-TPM4-UNI	6" SCHED 40	56-80	60-72	24-30
FR-TPM6-UNI	6" SCHED 40	56-80	72-84	24-30
FR-TPM12-UNI	8" SCHED 80	72-130	84-102	30-40

*CONSULT YOUR HES PV LIMITED SALES REPRESENTATIVE FOR LARGER POLE MOUNT OPTIONS.



BEST PRACTICES:

- USE AN APPROPRIATELY SIZED SONOTUBE TO PREVENT SOIL SLOUGHING
- FILL BOTTOM OF HOLE WITH 2-4" OF 3/4" CRUSHED STONE.
- BRACE POLE PLUMP AND POUR CONCRETE AROUND IT
- INCREASE HOLE DEPTH BY 6" FOR EVERY 12" IN HEIGHT BEYOND TABLE VALUES
- IF POLE HEIGHT EXCEEDS 'HEIGHT ABOVE GROUND' + 24" CONSULT A CIVIL ENGINEER WITH EXPERIENCE IN LOCAL SOIL CONDITIONS
- SLOPE CONCRETE WAY FROM POLE TO ALLOW DRAINAGE.
- ALLOW CONCRETE TO SET FOR A MINIMUM OF 24 HOURS BEFORE INSTALLING RACKING.

REVISIONS				
REV.	DESCRIPTION	DATE	BY	APPROVED
-	INITIAL RELEASE	12/16/15	DP	
A	ADD TPM12 & 72C CONFIGS	04/17/17	DP	
B	UPDATE TPM6 IMAGE	01/18/18	DP	

NOTE:

- INSTALLATIONS IN LOOSE, SANDY SOIL WILL REQUIRE A LARGER HOLE THAN INSTALLATIONS IN ROCKY SOIL. CONSULT BUILDING DEPARTMENT TO ENSURE SOIL COVER IS ADEQUATE TO SUIT LOCAL CONDITIONS.

- IF HOLES ARE AUGERED, CONFIRM THAT SIDES OF EXCAVATION ARE STABLE PRIOR TO PLACING CONCRETE. ANY SOIL THAT MAY HAVE SLOUGHED IN MUST BE COMPLETELY REMOVED.



H.E.S. PV		UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN INCHES TOLERANCES: FRACTIONAL ± 1/16 ANGULAR: MACH ± BEND ± TWO PLACE DECIMAL ± 0.06 THREE PLACE DECIMAL ± 0.03 INTERPRET GEOMETRIC TOLERANCING PER: MATERIAL: FINISH:		NAME	DATE	TITLE: TPM FOUNDATION GUIDELINES	
84 MORROW RD. BARRIE, ON L4N 3V8 1-866-258-0110 WWW.HESPV.COM		PROJECT:	-	DRAWN	DP	12/16/15	DWG. NO. 104211
PROPRIETARY AND CONFIDENTIAL THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF HOME ENERGY SOLUTIONS. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF H.E.S. PV IS PROHIBITED.		USED ON ASSY:	-	CHECKED	-	-	
		CLONE FROM:	-	ENG APPR.			SCALE: NTS
				MFG APPR.			SHEET SIZE: A
				Q.A.			SHEET 1 OF 1