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

REVISIONS				
REV.	DESCRIPTION	DATE	BY	APPROVED
-	INITIAL RELEASE	12/16/15	DP	

TPM MOUNTING POLE GUIDELINES

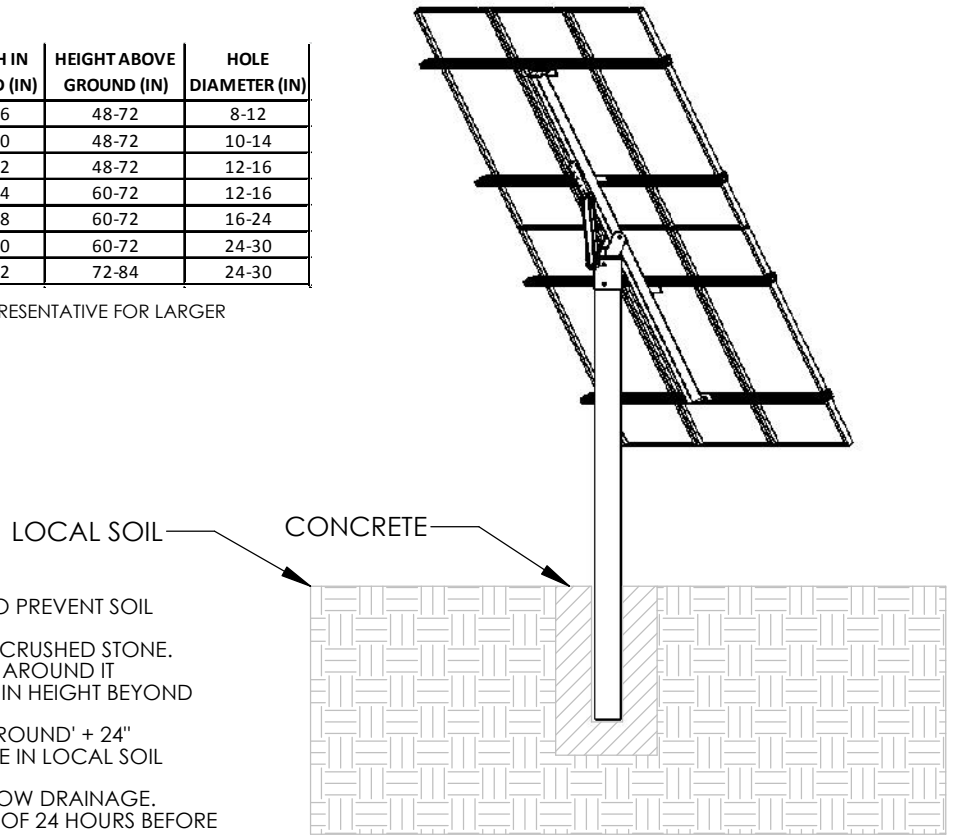
THE TABLE BELOW PROVIDES AN OUTLINE FOR THE EXPECTED POLE SIZES AND LENGTHS FOR VARIOUS HES PV LIMITED MOUNTS.

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

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

MODULE AREA (FT^2)	COMPARABLE MOUNT	POLE SIZE (STEEL PIPE)	LENGTH IN GROUND (IN)	HEIGHT ABOVE GROUND (IN)	HOLE DIAMETER (IN)
11	FR-TPM1-36C-L	2" SCHED 40	30-36	48-72	8-12
18	FR-TPM1-60C	3" SCHED 40	34-40	48-72	10-14
22	FR-TPM2-36C-L	3" SCHED 40	36-42	48-72	12-16
36	FR-TPM2-60C	3" SCHED 40	38-44	60-72	12-16
54	FR-TPM3-60C	4" SCHED 40	42-48	60-72	16-24
72	FR-TPM4-60C	6" SCHED 40	48-60	60-72	24-30
110	FR-TPM6-60C	6" SCHED 40	48-72	72-84	24-30

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



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 CONDTIONS.

- 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.

BEST PRACTICES:

- USE AN APPROPRIATELY SIZED SONOTUBE RO PREVENT SOIL SLOUGHING
- FILL BOTTOM OF HOLE WITH 2-4" OF 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 CONDTIONS
- SLOPE CONCRETE WAY FROM POLE TO ALLOW DRAINAGE.
- ALLOW CONCRETE TO SET FOR A MINIMUM OF 24 HOURS BEFORE INSTALLING RACKING.

H.E.S. PV
84 MORROW RD.
BARRIE, ON L4N 3V8
1-866-258-0110
WWW.HESPV.COM

PROJECT: –

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 ASS'Y: -
CLONE FROM: -

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
DRAWN	DP	12/16/15
CHECKED	-	-
ENG APPR.		
MFG APPR.		
Q.A.		

TITLE: TPM FOUNDATION GUIDELINES

DWG. NO. 104211 REV –

SCALE: NTS SHEET SIZE: **A** SHEET 1 OF 1

5 4 3 2 1