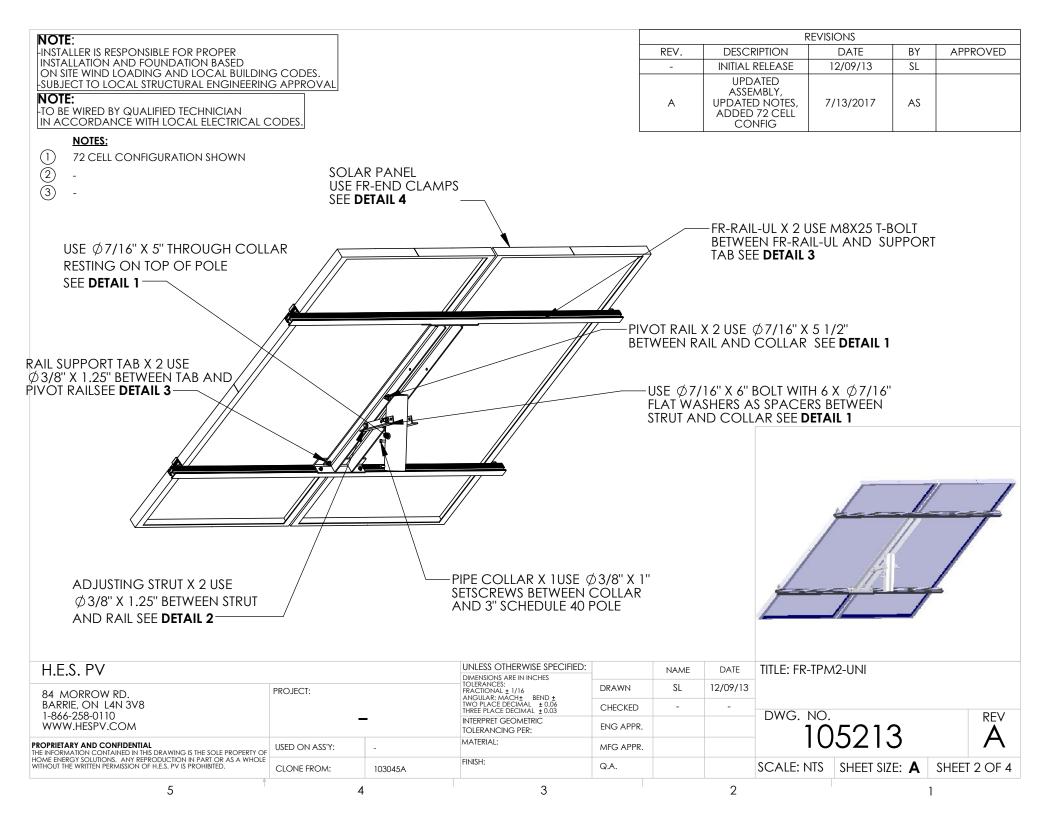
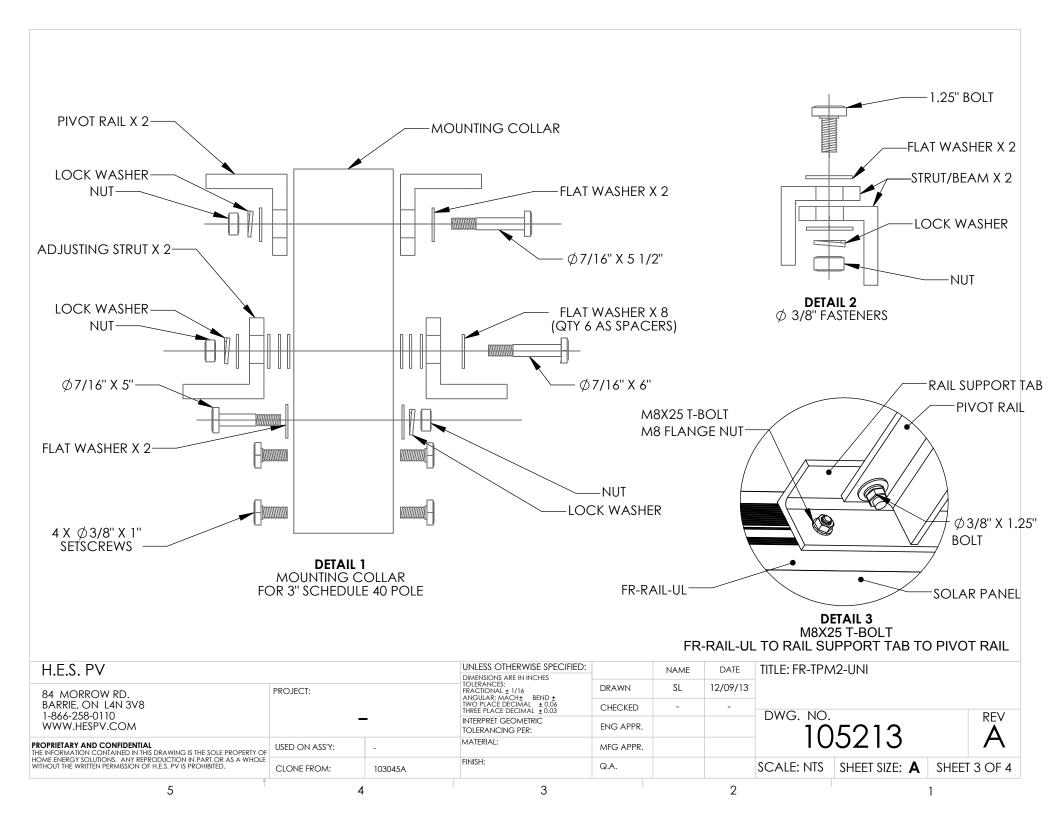
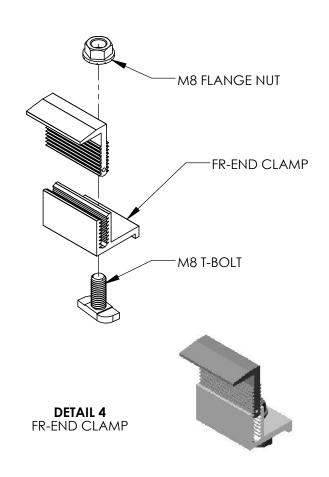
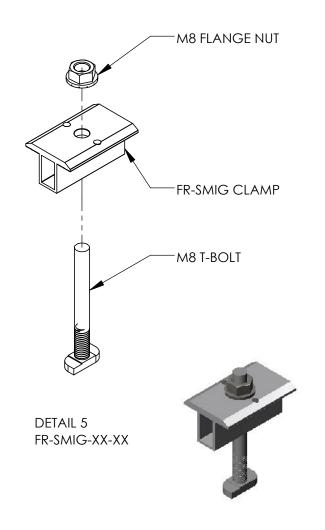
**REVISIONS** NOTE: DESCRIPTION BY **APPROVED** REV. DATE INSTALLER IS RESPONSIBLE FOR PROPER **INITIAL RELEASE** 12/09/13 SL INSTALLATION AND FOUNDATION BASED UPDATED ASSEMBLY, UPDATED NOTES, ON SITE WIND LOADING AND LOCAL BUILDING CODES. Α 7/13/2017 AS ADDED 72 CELL CONFIG SUBJECT TO LOCAL STRUCTURAL ENGINEERING APPROVAL NOTE: -TO BE WIRED BY QUALIFIED TECHNICIAN IN ACCORDANCE WITH LOCAL ELECTRICAL CODES. **NOTES: 60 CELL CONFIGURATION SHOWN** 2 **SOLAR PANEL USE FR-END CLAMPS** (3) SFF **DETAIL 4** FR-RAIL-UL X 2 USE M8X25 T-BOLT BETWEEN FR-RAIL-UL AND SUPPORT USE  $\phi$ 7/16" X 5" THROUGH COLLAR TAB SEE **DETAIL 3 RESTING ON TOP OF POLE** SEE DETAIL 1-PIVOT RAIL X 2 USE  $\emptyset$ 7/16" X 5 1/2" BETWEEN RAIL AND COLLAR SEE DETAIL 1 RAIL SUPPORT TAB X 2 USE  $\emptyset$ 3/8" X 1.25" BETWEEN TAB AND PIVOT RAILSEE **DETAIL 3** USE  $\emptyset$ 7/16" X 6" BOLT WITH 6 X  $\emptyset$ 7/16" FLAT WASHERS AS SPACERS BETWEEN STRUT AND COLLAR SEE **DETAIL 1** ADJUSTING STRUT X 2 USE -PIPE COLLAR X 1USE  $\emptyset$ 3/8" X 1" Ø 3/8" X 1.25" BETWEEN STRUT SETSCREWS BETWEEN COLLAR AND RAIL SEE DETAIL 2-AND 3" SCHDULE 40 POLE UNLESS OTHERWISE SPECIFIED: H.E.S. PV TITI F: FR-TPM2-UNI NAME DATE DIMENSIONS ARE IN INCHES TOLFRANCES: FRACTIONAL ± 1/16
ANGULAR: MACH± BEND ±
TWO PLACE DECIMAL ± 0.06
THREE PLACE DECIMAL ± 0.03 DRAWN SL 12/09/13 PROJECT: 84 MORROW RD. BARRIE, ON L4N 3V8 CHECKED DWG. NO. 1-866-258-0110 **REV** INTERPRET GEOMETRIC WWW.HESPV.COM ENG APPR. TOLERANCING PER: MATERIAL: PROPRIETARY AND CONFIDENTIAL MFG APPR. USED ON ASS'Y: THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF HOME ENERGY SOLUTIONS. ANY REPRODUCTION IN PART OR AS A WHOLE FINISH: Q.A. SCALE: NTS | SHEET SIZE: A WITHOUT THE WRITTEN PERMISSION OF H.E.S. PV IS PROHIBITED. SHEET 1 OF 4 CLONE FROM: 103045A 3









H.E.S. PV			UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN INCHES		NAME	DATE	TITLE: FR-TPM2-UNI			
84 MORROW RD.	PROJECT:		TOLERANCES: FRACTIONAL ± 1/16 ANGULAR: MACH± BEND ± TWO PLACE DECIMAL ± 0.06 THREE PLACE DECIMAL ± 0.03	DRAWN	SL	12/09/13				
BARRIE, ON L4N 3V8 1-866-258-0110 WWW.HESPV.COM				CHECKED	-	-	DWG. NO.			REV
			INTERPRET GEOMETRIC TOLERANCING PER:	ENG APPR.			105012			\ \
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	CLONE FROM:	103045A	FINISH:	Q.A.			SCALE: NTS	SHEET SIZE: A	SHEET	4 OF 4

5 4 3 2