

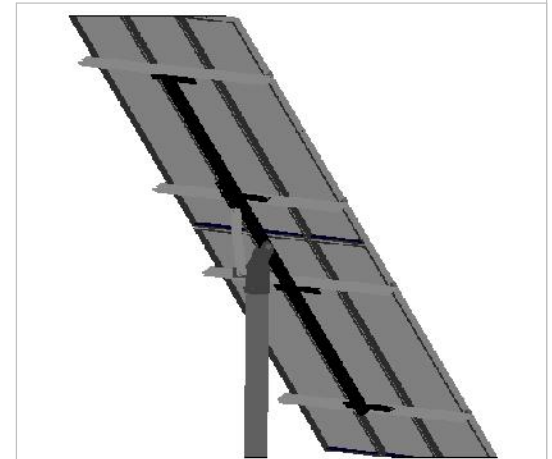
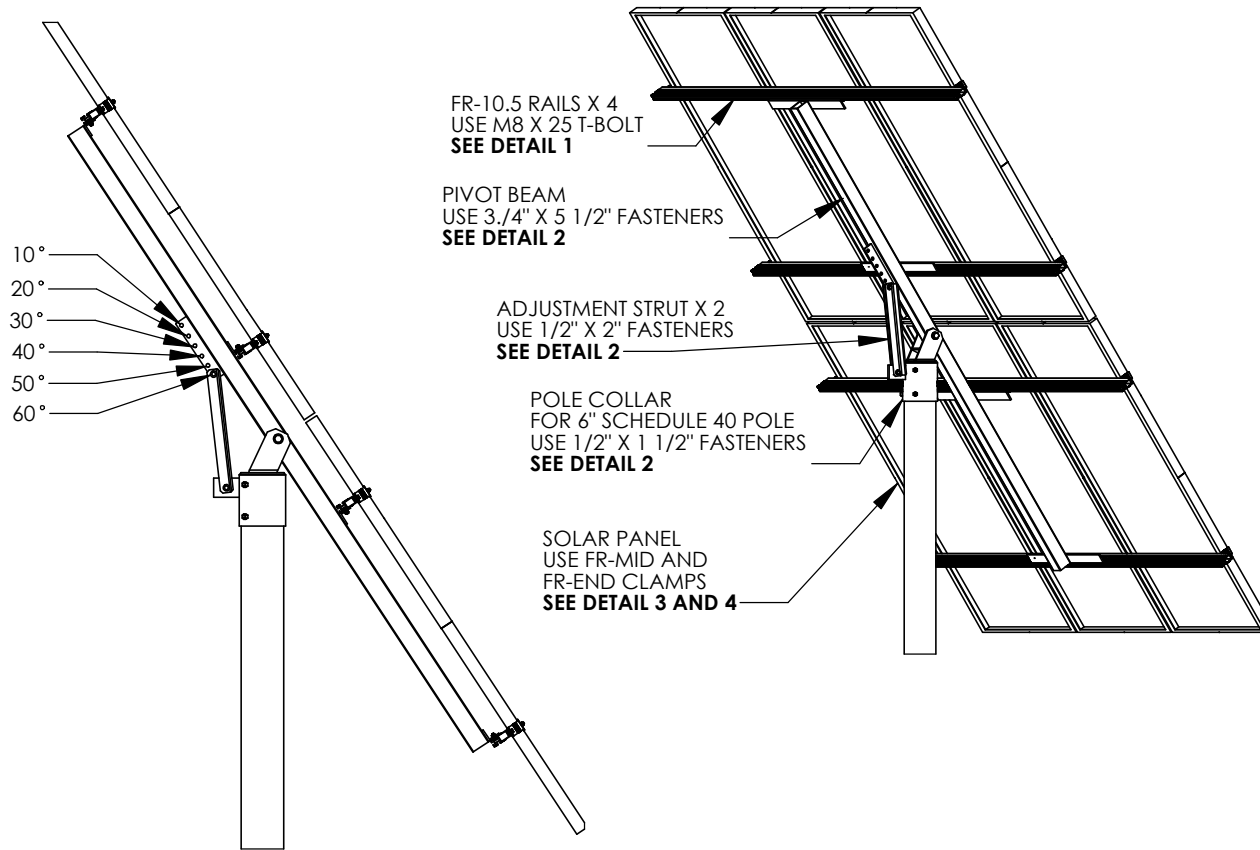
NOTE:
-INSTALLER IS RESPONSIBLE FOR PROPER
INSTALLATION AND FOUNDATION BASED
ON SITE WIND LOADING AND LOCAL BUILDING CODES.
-SUBJECT TO LOCAL STRUCTURAL ENGINEERING APPROVAL

NOTE:
-TO BE WIRED BY QUALIFIED TECHNICIAN
IN ACCORDANCE WITH LOCAL ELECTRICAL CODES.

REVISIONS				
REV.	DESCRIPTION	DATE	BY	APPROVED
-	INITIAL RELEASE	05/24/17	AT	

NOTES:

- ①
- ② -
- ③ -



H.E.S. PV

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

PROJECT:

-

USED ON ASS'Y:

-

CLONE FROM:

100888

UNLESS OTHERWISE SPECIFIED:

DIMENSIONS ARE IN INCHES
TOLERANCES:
FRACTIONAL $\pm 1/16$
ANGULAR: MACH $\pm$ BEND $\pm$
TWO PLACE DECIMAL ± 0.06
THREE PLACE DECIMAL ± 0.03

INTERPRET GEOMETRIC
TOLERANCING PER:

MATERIAL:

FINISH:

DRAWN

NAME

AT

DATE

5/24/17

CHECKED

-

-

ENG APPR.

MFG APPR.

Q.A.

TITLE: FR-TPM6-UNI ASSEMBLY

DWG. NO.

104983

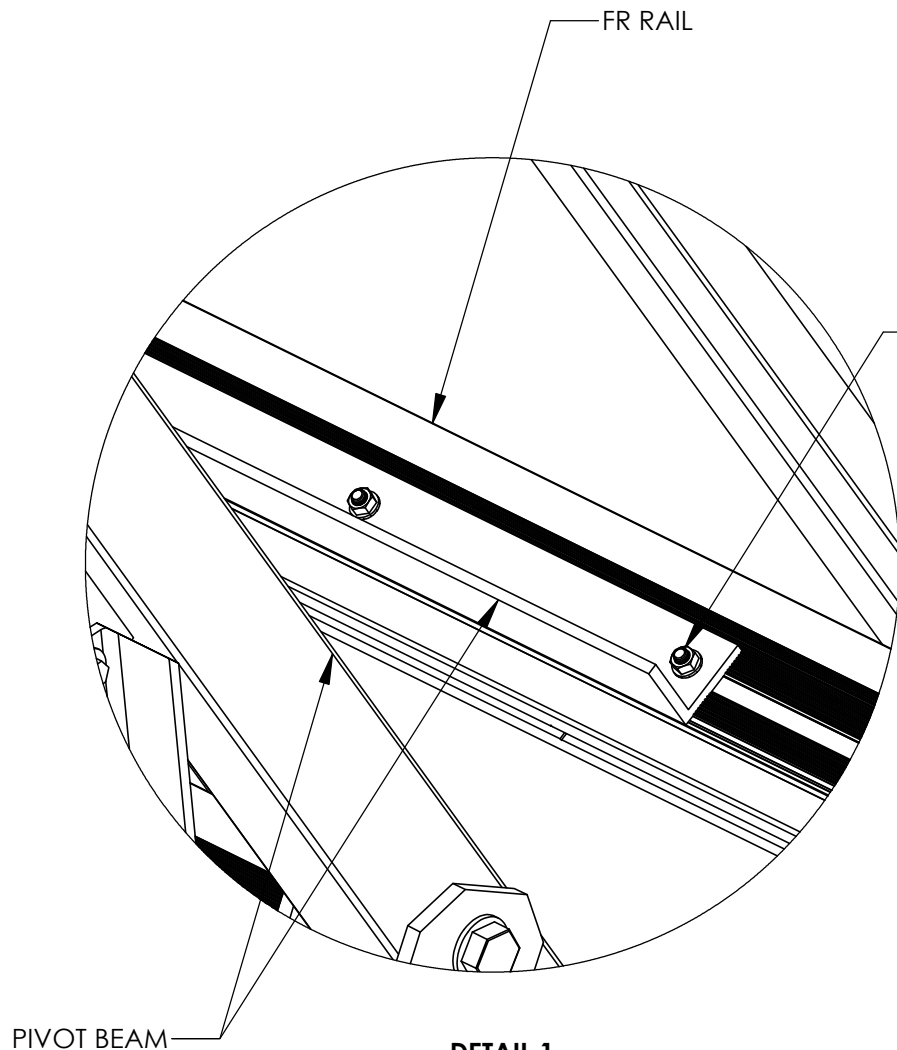
REV

-

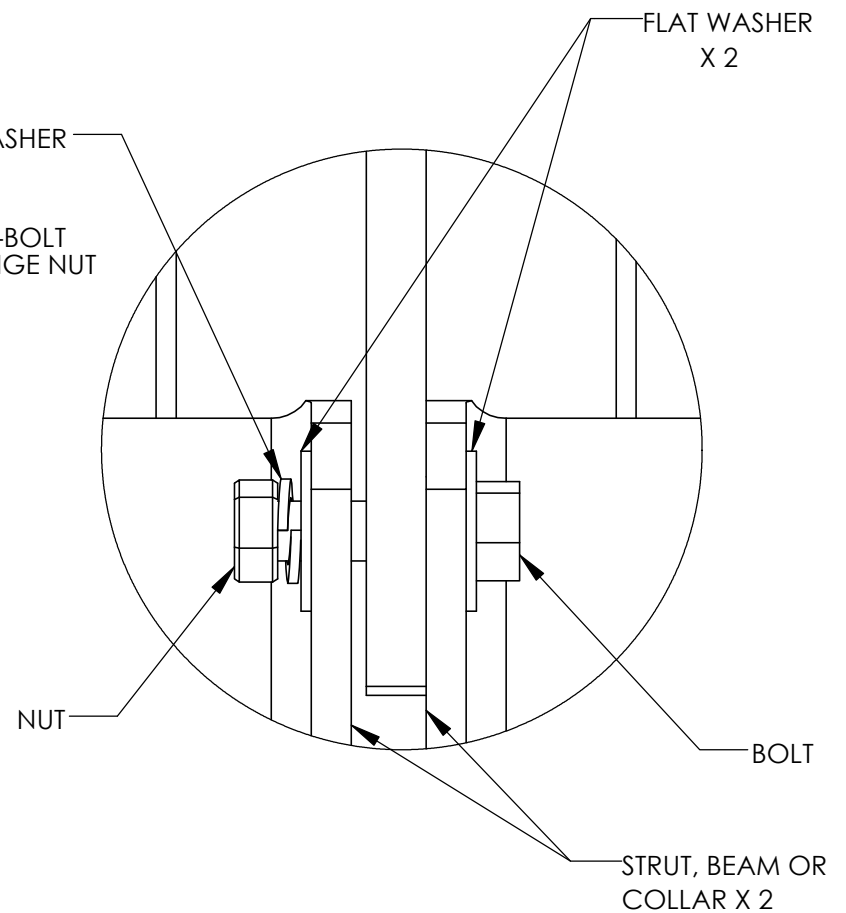
SCALE: NTS

SHEET SIZE: A

SHEET 1 OF 4



DETAIL 1
M8 X 25 T-BOLT
FR-10.5 RAIL TO PIVOT BEAM



DETAIL 2
Ø3/4, Ø1/2" & Ø3/4" FASTENERS

H.E.S. PV

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

PROJECT:

-

USED ON ASS'Y:

-

CLONE FROM:

100888

UNLESS OTHERWISE SPECIFIED:

DIMENSIONS ARE IN INCHES
TOLERANCES:

FRACTIONAL $\pm 1/16$
ANGULAR: MACH $\pm$ BEND $\pm$
TWO PLACE DECIMAL ± 0.06
THREE PLACE DECIMAL ± 0.03

INTERPRET GEOMETRIC
TOLERANCING PER:

MATERIAL:

FINISH:

DRAWN

NAME

AT

DATE

5/24/17

CHECKED

-

-

ENG APPR.

MFG APPR.

Q.A.

TITLE: FR-TPM6-UNI ASSEMBLY

DWG. NO.

104983

REV

-

SCALE: NTS

SHEET SIZE: A

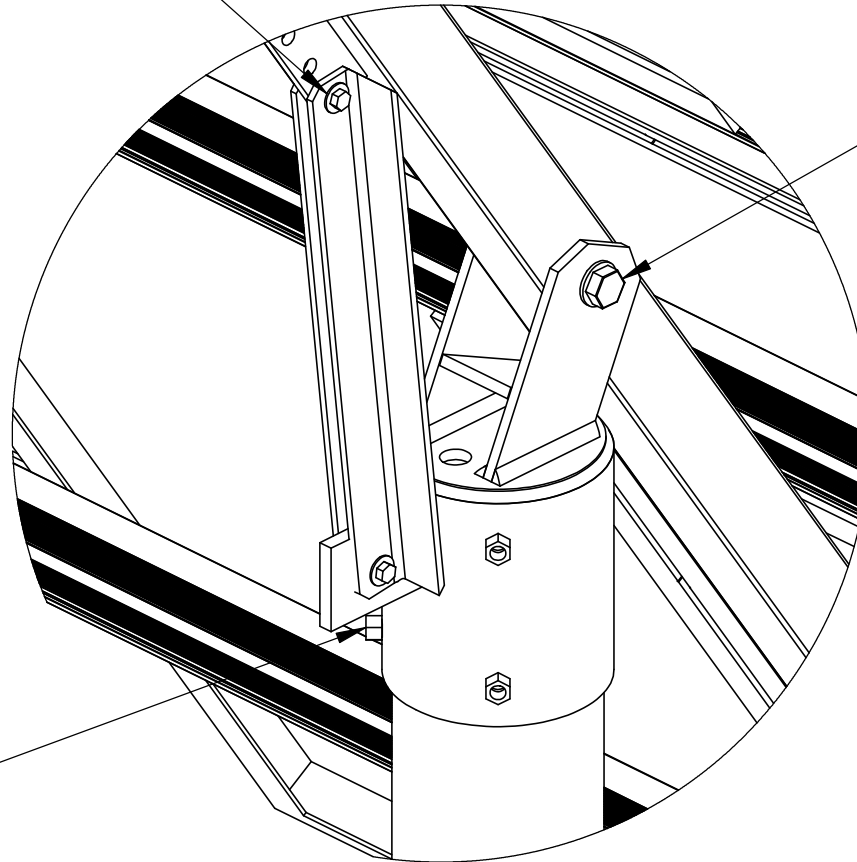
SHEET 2 OF 4

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.

1/2" x 2" STAINLESS STEEL BOLT x 2
 1/2" STAINLESS STEEL FLAT WASHER x 4
 1/2" STAINLESS STEEL LOCK WASHER X 2
 1/2" STAINLESS STEEL NUT X 2

3/4" X S 1/2" STEEL BOLT X 1
 3/4" STEEL FALT WASHER X 2
 3/" STEEL LOCK WASHER X 1
 3/4" STEEL NUT X 1

1/2" X 1 1/2" STEEL BOLT X 4



H.E.S. PV

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

PROJECT:

-

USED ON ASS'Y:

-

CLONE FROM:

100888

UNLESS OTHERWISE SPECIFIED:

DIMENSIONS ARE IN INCHES
 TOLERANCES:
 FRACTIONAL $\pm 1/16$
 ANGULAR: MACH $\pm$ BEND $\pm$
 TWO PLACE DECIMAL ± 0.06
 THREE PLACE DECIMAL ± 0.03

INTERPRET GEOMETRIC
 TOLERANCING PER:

MATERIAL:

DETAIL G

FINISH:

SCALE 1 : 6

DRAWN

NAME

AT

DATE

5/24/17

CHECKED

-

ENG APPR.

MFG APPR.

Q.A.

TITLE: FR-TPM6-UNI ASSEMBLY

DWG. NO.

104983

REV

-

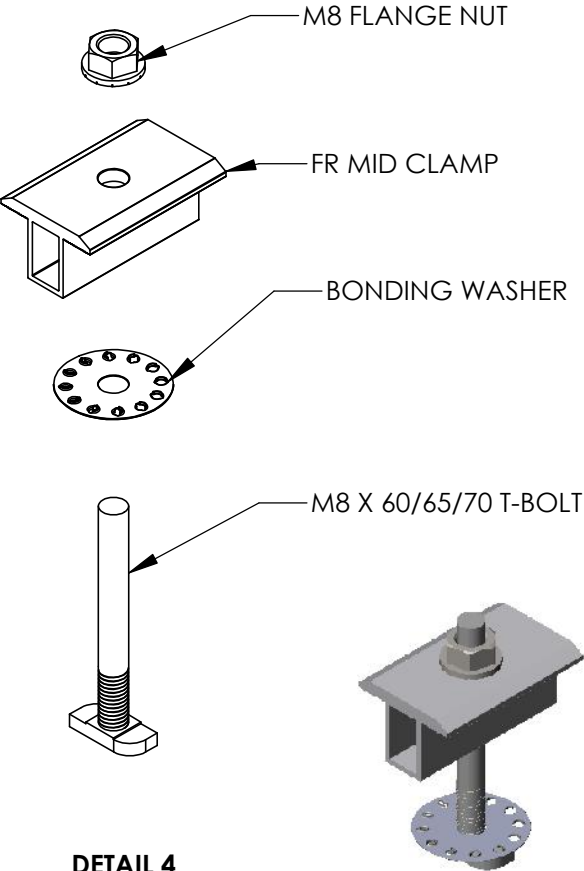
SCALE: NTS

SHEET SIZE: A

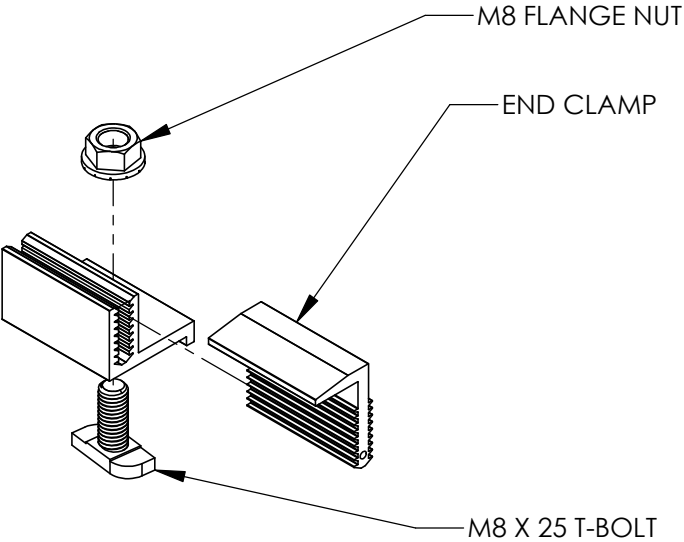
SHEET 3 OF 4

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.

NOTES:
-BONDING WASHER TO BE USED ON EVERY MID CLAMP



DETAIL 4
FR-MID CLAMP



DETAIL 3
FR-END CLAMP

H.E.S. PV			UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN INCHES TOLERANCES: FRACTIONAL $\pm 1/16$ ANGULAR: MACH $\pm$ BEND $\pm$ TWO PLACE DECIMAL ± 0.06 THREE PLACE DECIMAL ± 0.03 INTERPRET GEOMETRIC TOLERANCING PER: MATERIAL: FINISH:		NAME		DATE		TITLE: FR-TPM6-UNI ASSEMBLY															
84 MORROW RD. BARRIE, ON L4N 3V8 1-866-258-0110 WWW.HESPV.COM		PROJECT: —			DRAWN		AT		5/24/17		DWG. NO. 104983		REV —											
					CHECKED		-		-															
					ENG APPR.																			
USED ON ASS'Y:		-		MFG APPR.				SCALE: NTS		SHEET SIZE: A					SHEET 4 OF 4									
CLONE FROM:		100888		FINISH:		Q.A.																		
5					4					3					2					1				