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**TAMARACK SOLAR PRODUCTS**  
**FLUSH MOUNT**  
**SOLAR MOUNTING SYSTEM**

SHOWING SYSTEM RAILS, SPLICES  
 MOUNTS, 5050 MODULE CLAMPS (WORK IN MID OR END  
 CONDITION),  
 AND CHANNEL END CLAMPS.

SHOWN WITH L FOOT MOUNT, BUT MOUNT CAN BE  
 INTERCHANGED WITH MOST TYPICAL MOUNTS ON THE  
 MARKET WITH A VERTICAL LEVELING SLOT INCLUDING TILE  
 ROOF HOOKS.

TORQUE ALL FASTENERS TO 12 FT-LBS

NOTE ORIENTATION OF 5050 CLAMP  
 WHEN USED AS AN END CLAMP.  
 FLAT SURFACE OF PLASTIC SPRING  
 PART SHOULD FACE AWAY FROM  
 THE MODULE

5050 CLAMPS

SHOWN WITH 1.6 RAIL, BUT  
 ALSO REPRESENTS 2.3 RAIL.  
 RAIL SPLICES ARE SPECIFIC  
 TO THE RAIL SIZE.

RAIL SPICE GAP  
 SHOULD BE  
 1/8" TO 3/8"

CHANNEL END CLAMPS  
 ALLOW RAILS TO BE CUT  
 FLUSH TO EDGE OF ARRAY

RAIL MOUNT  
 ADAPTER  
 COMPONENT

RAIL SPICE IS FRICTION FIT BETWEEN THE RAILS.  
 SQUEEZE THE TOP OF THE SPICE TO ALLOW IT  
 TO BE SLID INTO THE CHANNEL OF THE RAIL

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		UNLESS OTHERWISE SPECIFIED:		NAME	DATE	TITLE: <b>System Components Detail</b>	
		DIMENSIONS ARE IN INCHES		DRAWN	JW		04/19
		TOLERANCES:		CHECKED	DK		04/19
		FRACTIONAL ±		ENG APPR.			
		ANGULAR: MACH ± BEND ±		MFG APPR.			
		TWO PLACE DECIMAL ±		Q.A.			
		THREE PLACE DECIMAL ±		COMMENTS:			
		INTERPRET GEOMETRIC TOLERANCING PER:				SIZE DWG. NO. REV	
		MATERIAL				<b>B</b> FM-D01	
NEXT ASSY		USED ON				SCALE: 1:4 WEIGHT: SHEET 1 OF 1	
APPLICATION		DO NOT SCALE DRAWING					

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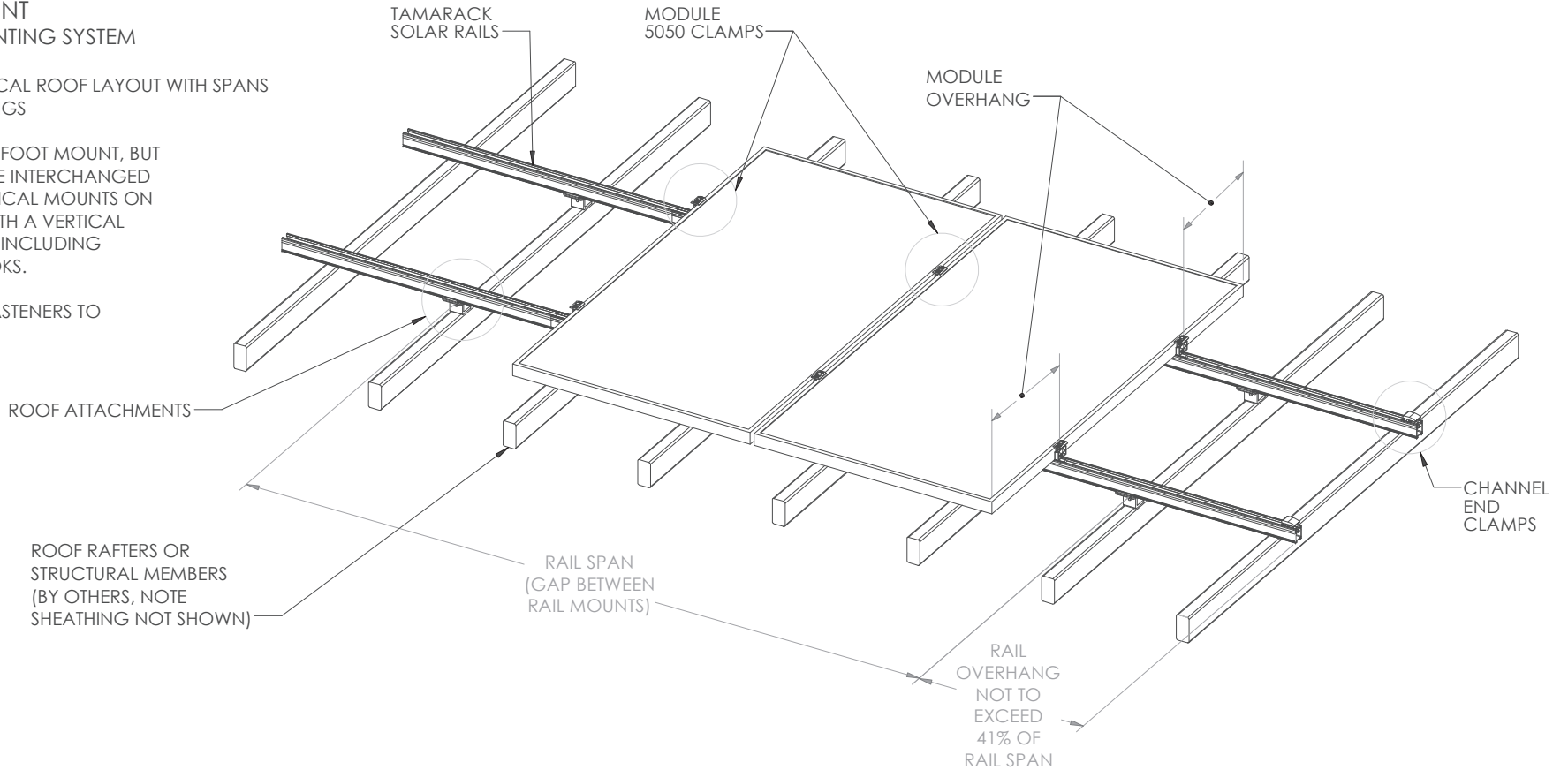
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**TAMARACK SOLAR PRODUCTS**  
**FLUSH MOUNT**  
**SOLAR MOUNTING SYSTEM**

SHOWING TYPICAL ROOF LAYOUT WITH SPANS AND OVERHANGS

SHOWN WITH L FOOT MOUNT, BUT MOUNT CAN BE INTERCHANGED WITH MOST TYPICAL MOUNTS ON THE MARKET WITH A VERTICAL LEVELING SLOT INCLUDING TILE ROOF HOOKS.

TORQUE ALL FASTENERS TO 12 FT-LBS



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		UNLESS OTHERWISE SPECIFIED:		NAME	DATE	TITLE: <b>System Layout Detail</b> SIZE DWG. NO. <b>P FM-D02</b> REV SCALE: 1:4 WEIGHT: SHEET 1 OF 1
		DIMENSIONS ARE IN INCHES		DRAWN	JW 04/19	
		TOLERANCES:		CHECKED	DK 04/19	
		FRACTIONAL ±		ENG APPR.		
		ANGULAR: MACH ± BEND ±		MFG APPR.		
		TWO PLACE DECIMAL ±		Q.A.		
		THREE PLACE DECIMAL ±		COMMENTS:		
		INTERPRET GEOMETRIC TOLERANCING PER:				
		MATERIAL				
		FINISH				
NEXT ASSY	USED ON	APPLICATION		DO NOT SCALE DRAWING		

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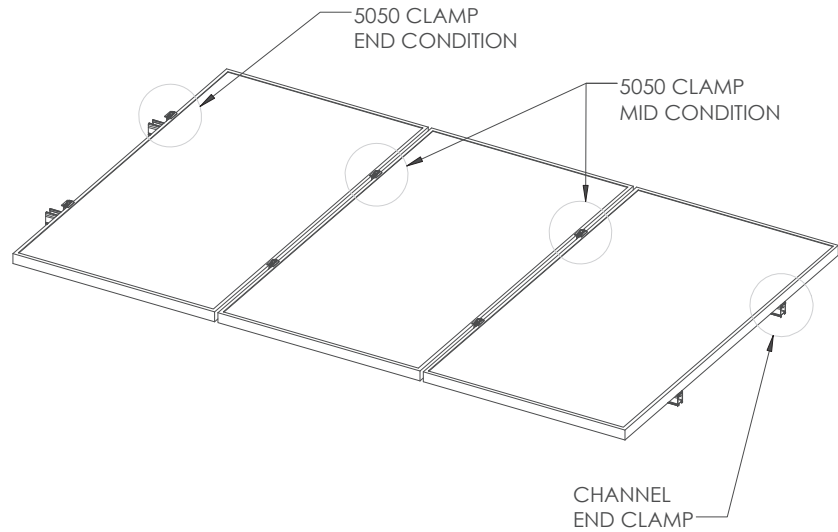
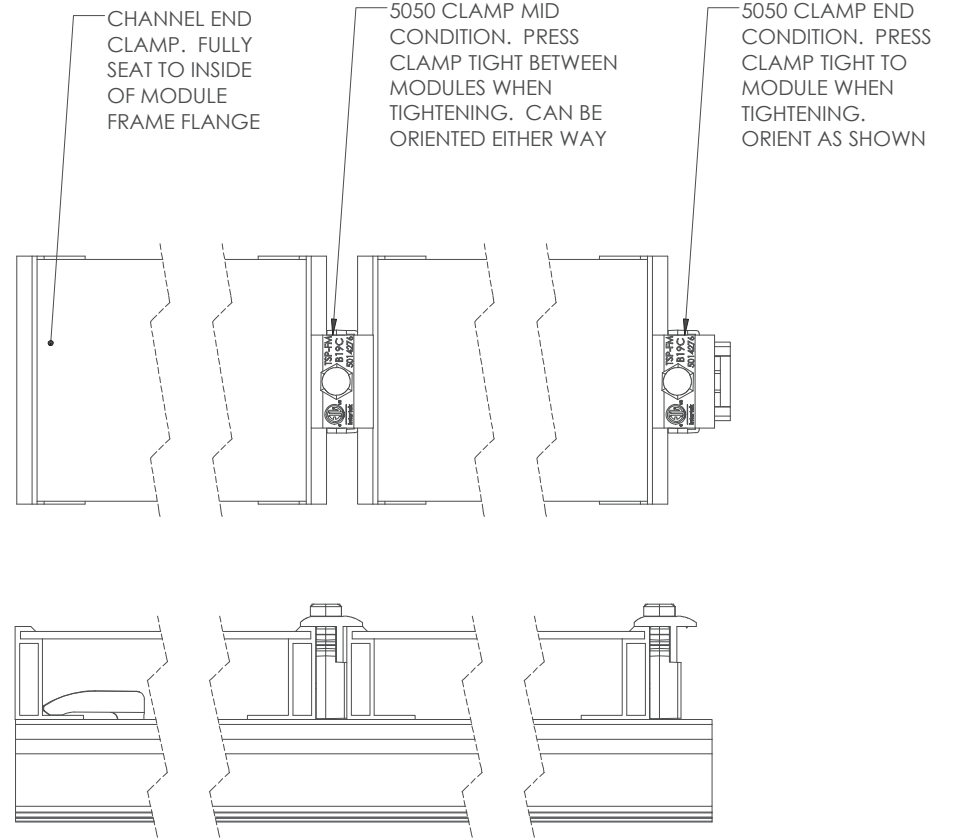
**TAMARACK SOLAR PRODUCTS**  
 FLUSH MOUNT  
 SOLAR MOUNTING SYSTEM

MODULE CLAMP DETAILS

5050 CLAMPS CAN BE INSTALLED IN EITHER MID OR END CLAMP CONDITIONS AS SHOWN. HALF INCH MODULE GAP. IN END CONDITION OPEN SIDE OF PLASTIC SPRING SHOULD FACE IN TO THE MODULE AS SHOWN

CHANNEL END CLAMPS INSTALL IN THE RAIL CHANNEL AND ALLOW THE MODULE FRAMES TO BE FLUSH TO THE END OF THE MOUNTING RAILS

TORQUE ALL FASTENERS TO 12 FT-LBS



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		UNLESS OTHERWISE SPECIFIED:	NAME	DATE		
		DIMENSIONS ARE IN INCHES	DRAWN	JW	04/19	TITLE: <b>Module Clamp Detail</b>
		TOLERANCES:	CHECKED	DK	04/19	
		FRACTIONAL ±	ENG APPR.			
		ANGULAR: MACH ± BEND ±	MFG APPR.			
		TWO PLACE DECIMAL ±	Q.A.			
		THREE PLACE DECIMAL ±	COMMENTS:			SIZE DWG. NO. <b>L FM-D03</b>
NEXT ASSY	USED ON	MATERIAL			REV	
APPLICATION		FINISH			SCALE: 1:4	WEIGHT:
		DO NOT SCALE DRAWING			SHEET 1 OF 1	

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