

FLUSH MOUNT RAIL SYSTEM

Save Time and Money

Low-cost rail-based PV module mounting system provides easy installation, simple wire management, great strength and the best features on the market



- Best Wire Management** - PV cables and wiring for module-level electronics fits inside rails to avoid time consuming wire management.
- Use Any Roof Attachments** - Our rails mount to QuickBolt, QuickMount, FlashFoot, S-5 or any roof attachment that can be used with a 5/16 inch bolt.
- One Wrench Size** - Install with ease and minimal tools. A 1/2-inch socket fits all fasteners.
- UL 2703 Listed** - All components meet the UL standards and have a Class A Fire Rating for Type 1 and 2 modules.
- PE Certified** - Pre-stamped engineering letters available for most states.

Tamarack Flush Mount Rail System is the perfect mix of strength and economy

Two Rail Sizes to Meet Most Design Needs

1.6-inch Rail

Use this rail for attractive, low profile mounting in areas with light or no snow load. Use with spans of up to 6-feet at 140 MPH wind and no snow and up to 180 MPH wind with 4-foot spacing. Maximum load is 40 PSF snow load at 180 MPH.

2.3-inch Rail

Use this rail heavysnow loads and longer spans. Use with spans of up to 6-feet at 160 MPH wind and up to 40 PSF snow load with 4-foot spacing. Maximum load capacity is 120 PSF at 180 MPH wind with 2-foot spacing.



Rail Selection Table

The table at right is derived from a structural analysis prepared by a Professional Engineer. The rail spans are based on ASCE 7-10 code in roof zone 1, Exposure Class B, Building height up to 15 feet and Roof Slope of 28° to 45°. For other criteria please request our structural analysis, available with a PE stamp for most states.

Load		Rail Span (inches)				
Snow (PSF)	Wind (MPH)	24	48	60	72	84
0	100	1.6			2.3	2.3
	120					
	140					
	160					
	180					
20	100	1.6		2.3		
	120					
	140					
	160					
	180					
30	100	1.6		2.3		
	120					
	140					
	160					
	180					
35	100	1.6	2.3			
	120					
	140					
	160					
	180					
40	100	1.6	2.3			
	120					
	140					
	160					
	180					
50	100	1.6	2.3			
	120					
	140					
	160					
	180					
60	100	1.6				
	120					
	140					
	160					
	180					
120	100	2.3				
	120					
	140					
	160					
	180					