

- Maximum Ran Length = 50, before expansion gap required
- Maximum Rail Span = 4' (varies, depending upon roof slope, snow load, wind speed, and exposure category at site)
- Maximum End cantilever span is 0.40 x maximum rail span
- Aluminum L-feet are fastened to structural members of the roof through pre-drilled holes, using 3" x 5/16" stainless steel lag screws.
- GeoCel applied at each attachment provides a watertight seal between, L-feet, shingles, and structural members.
- Staggering L-feet attachments allows even distribution of load on rafters.
- Typical Dimensions of one 60-cell PV Module: 64" x 40" x 11/2"
- Clearance between roof and rail = 2"

t, shingles, and stru	iciulal members.			
End Clamp with		Mid Clamp with		
Fastener		Fastener		
	Solar Panel		Solar Panel	
	Aluminum Rail			

Profile of Aluminum Rail Channel with Fastened End Clamp & Solar Panel

Site Specifications: Occupancy: Residence Design Wind Speed: 100 mph Exposure Category: C Ground Snow Load: 60 psf Roof Height: ~25' above grade to eaves Roof Composition: Asphalt Shingle Roof Pitch: 36° Roof Azimuth: 210° true Rafter Dimensions: 2x6" true Rafter Spacing: 24" OC



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End Clamp with Fastener	System Type:	_		
<u></u>	3.05DC Grid Tied Photovoltaic Array	/		
	Designed by: GJE Date: February 5, 2018 Rev () MODULE LAYOUT	D 3 D		
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