

Down Force

Mounting Plane	1		2		3		4		5	
Module Location	EM	IM	EM	IM	EM	IM	EM	IM	EM	IM
D+S (psf)	9.54	9.54	9.54	9.54						
D+06W (psf)	8.56	6.61	8.56	6.61						

Mounting Plane	6		7		8		9		10	
Module Location	EM	IM	EM	IM	EM	IM	EM	IM	EM	IM
D+S (psf)										
D+06W (psf)										

Lateral Parallel to Roof

Mounting Plane	1	2	3	4	5
D+S (psf)	4.65	4.65			

Mounting Plane	6	7	8	9	10
D+S (psf)					

Framing Check

Lumber Species: DF

PV Load = 3 psf

Mounting Plane	1	2	3	4	5
Framing Type	Rafter	Rafter			
Framing Size	2x6	2x6			
Framing Spacing (in)	24	24			
Span (ft)	7	7			
Moment (lb-ft)	203	203			
Shear (lbs)	116	116			
% Stressed	21%	21%			
Upgrade Size	NA	NA			
New % Stressed	NA	NA			

Mounting Plane	6	7	8	9	10
Framing Type					
Framing Size					
Framing Spacing (in)					
Span (ft)					
Moment (lb-ft)					
Shear (lbs)					
% Stressed					
Upgrade Size					
New % Stressed					



Array Attachment Spacing

Module = Trina: TSM-410NE09RC.05

Mounting Plane	1	2	3	4	5
Roofing Material	Comp Shingle	Comp Shingle			
Attachment Type	Ecofasten RockIt Smart Slide	Ecofasten RockIt Smart Slide			
Lag Count Per Attachment	2	2			
Min Lag Embedment (in)	2	2			
Landscape	72	72			
Portrait	48	48			

Mounting Plane	6	7	8	9	10
Roofing Material					
Attachment Type					
Lag Count Per Attachment					
Min Lag Embedment (in)					
Landscape					
Portrait					