

TXL Design Guidelines

TXL Design

- Orientation: Landscape
- Max Module Width: 1169mm [46.02"]
- Max Module Frame Thickness: 46mm [1.81"]

South Facing

- Tilt Angle: 5°, 10°, 15°
- Row Spacing (Front-to-Front): 58.5", 65"
- N-S Spacing Between Modules: [F-F spacing] – [projected module width]

Dual Tilt

- Tilt Angle: 10°
- Spacing (Front-to-Front): 105.5"
- Peak Spacing: 5.6"
- Valley Spacing: [F-F spacing] – [2 x projected module width] – [peak]

Layout Guidelines

- E-W Spacing Between Modules: 16mm [0.63"]
- Minimum Rows (Ballasted System): There must be a minimum of 2 rows connected by their rails, or else anchors will be required.
- *Ensure the layout design complies with all applicable local codes and regulations.*

Ballast/Anchor and Cost Reduction Tips

- Square arrays will result in less ballast requirements and a cleaner installation. Limit small sub arrays. Keep arrays continuous wherever possible.
- Limit your walkways to 10' or less, so that field zone selection can continue across arrays.
- Keep arrays square to the building.



Support. For You and Your Systems.

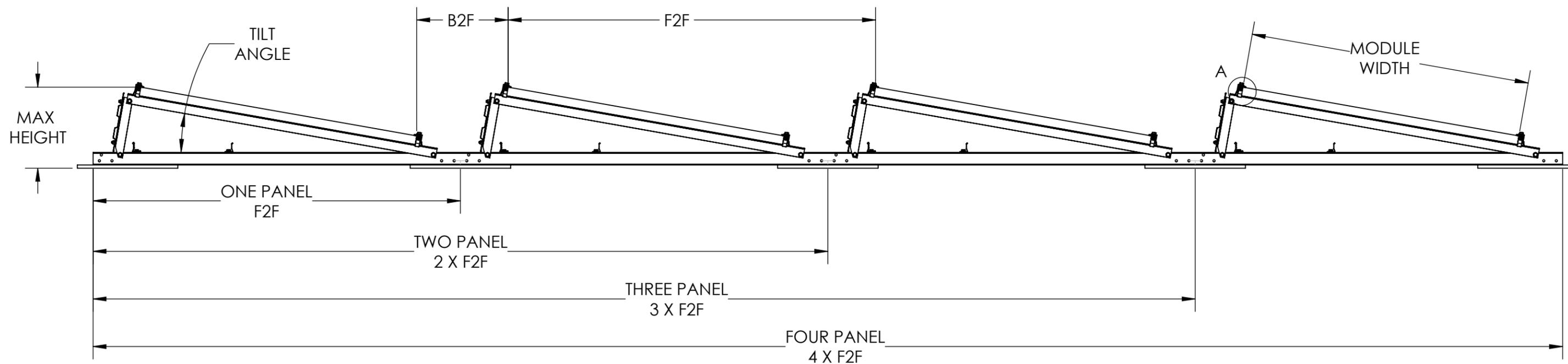
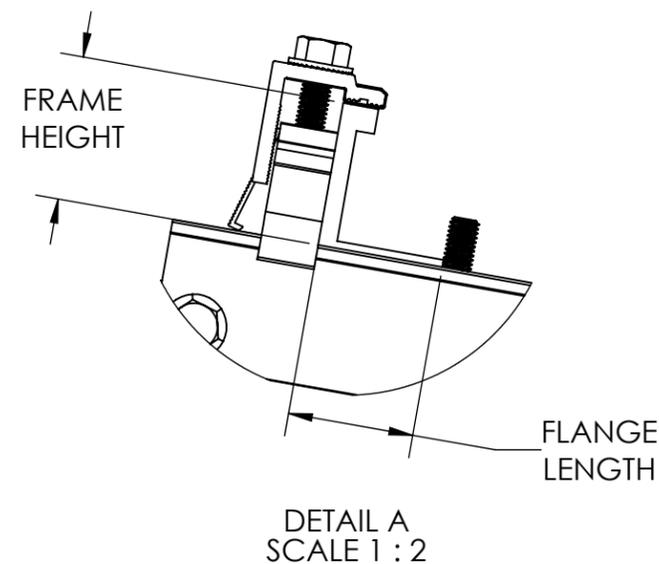
F2F [in] mm	TILT ANGLE (deg)	B2F [in] mm	MAX HEIGHT [in] mm
[58.50] 1486	5°	[14.02] 356	[9.27] 235
[58.50] 1486	10°	[14.53] 369	[13.13] 333
[58.50] 1486	15°	[15.38] 391	[16.93] 430
[65.00] 1651	5°	[20.52] 521	[9.27] 235
[65.00] 1651	10°	[21.03] 534	[13.13] 333
[65.00] 1651	15°	[21.88] 556	[16.93] 430

NOTE:

- REFERENCE MODULE
 - 40mm FRAME HEIGHT
 - 30mm FLANGE LENGTH
 - 1134mm MODULE WIDTH
- THE MODULE "FRAME HEIGHT" AND "FLANGE LENGTH" WILL NEGLIGABLY CHANGE THE "B2F" AND "MAX HEIGHT" VALUES PRESENTED
- "F2F" REFERS TO "FRONT TO FRONT"
- "B2F" REFERS TO "BACK TO FRONT"

MAXIMUM MODULE SIZE:

- LENGTH ≤ 2471mm [97.28in]
- WIDTH ≤ 1169mm [46.02in]
- FRAME HEIGHT ≤ 46mm [1.81in]



<p>DIMENSIONS ARE IN MILLIMETERS. (DUAL DIMENSIONS ARE IN INCHES).</p>	UNLESS OTHERWISE SPECIFIED: TOLERANCES: FRACTIONAL: ± 1/32 ANGULAR: MACH: ± 0.25 BEND: ± 0.5 TWO PLACE DECIMAL: ± 0.05 THREE PLACE DECIMAL: ± 0.005		<p>TerraGen Environmental Group Inc. 120 Parsons Rd., Alliston, ON L9R 1E9 Tel: (705) 435-7373 Fax: (705) 434-4002 www.terragen.com</p> <p>PROPRIETARY AND CONFIDENTIAL</p> <p>THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF TERRAGEN ENVIRONMENTAL GROUP, INC. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF TERRAGEN ENVIRONMENTAL GROUP, INC. IS PROHIBITED.</p>
	DRAWING TITLE:		
	TXL SOUTH FACING STOCK OFFERINGS		
	DWG. NO. TXL STOCK OFFERINGS		
MATERIAL:	VARIES		SIZE B
FINISH:	VARIES		
WEIGHT:	VARIES		REV 0.0
DRAWN:	NAME	DATE	
CHECKED:	MO	05-12-2025	SCALE: 1 : 14
MFG APPR.			

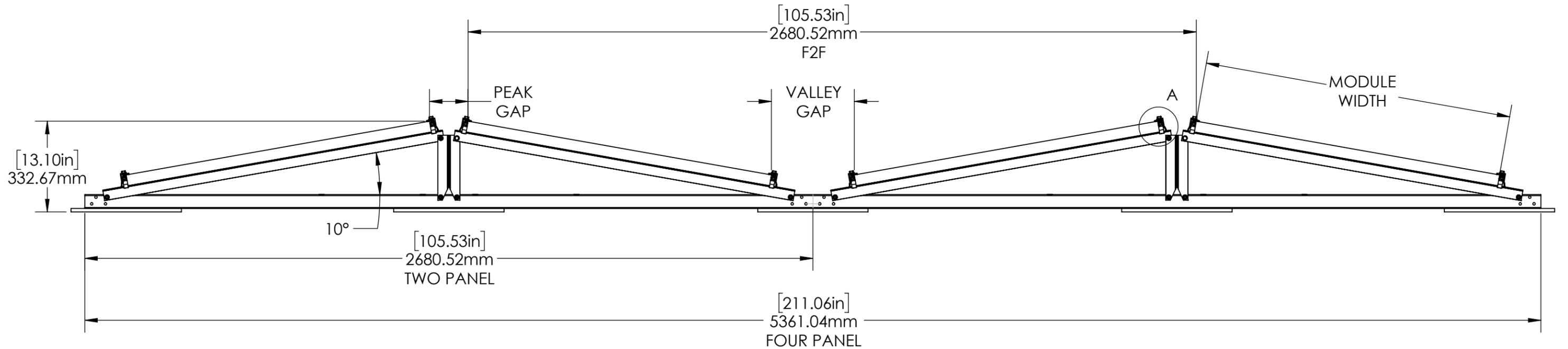
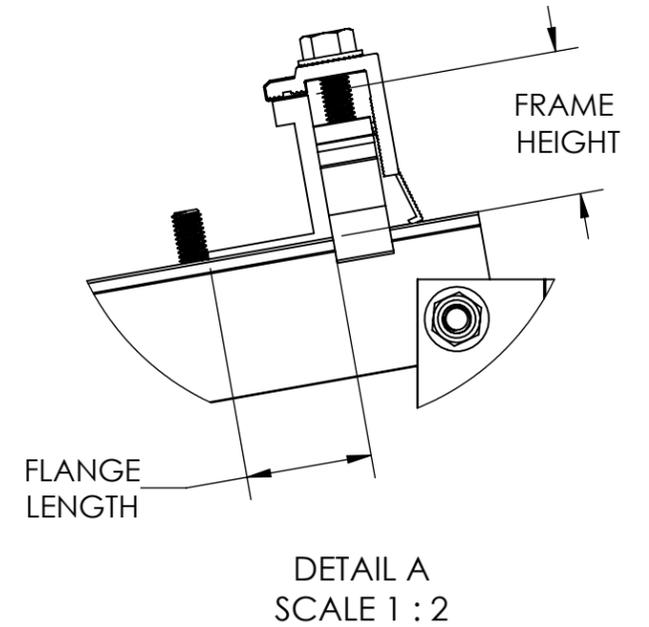
MODULE WIDTH [in] mm	VALLEY GAP [in] mm	PEAK GAP [in] mm
[46.02] 1169	[9.29] 235.87	[5.60] 142.17
[44.65] 1134	[12.00] 304.80	[5.60] 142.17
[43.15] 1096	[14.95] 379.65	[5.60] 142.17
[41.50] 1054	[18.20] 462.37	[5.60] 142.17
[40.87] 1038	[19.44] 493.89	[5.60] 142.17
[39.45] 1002	[22.24] 493.89	[5.60] 142.17

NOTE:

- REFERENCE MODULE:
 - 40mm FRAME HEIGHT
 - 35mm FLANGE LENGTH
- THE MODULE "FRAME HEIGHT" AND "FLANGE LENGTH" WILL NEGLIGABLY CHANGE THE "PEAK GAP" AND "VALLEY GAP" VALUES PRESENTED
- "F2F" REFERS TO "FRONT TO FRONT"

MAXIMUM MODULE SIZE:

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- WIDTH ≤ 1169mm [46.02in]
- FRAME HEIGHT ≤ 46mm [1.81in]



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MATERIAL:	VARIES		DRAWING TITLE:	
FINISH:	VARIES		TXL DUAL TILT STOCK OFFERINGS	
WEIGHT:	VARIES		DWG. NO.	SIZE
	NAME	DATE	TXL STOCK OFFERINGS	B
DRAWN	SC	05-12-2025	SCALE:	REV
CHECKED	MO		1 : 14	0
MFG APPR.			SHEET 1 OF 1	