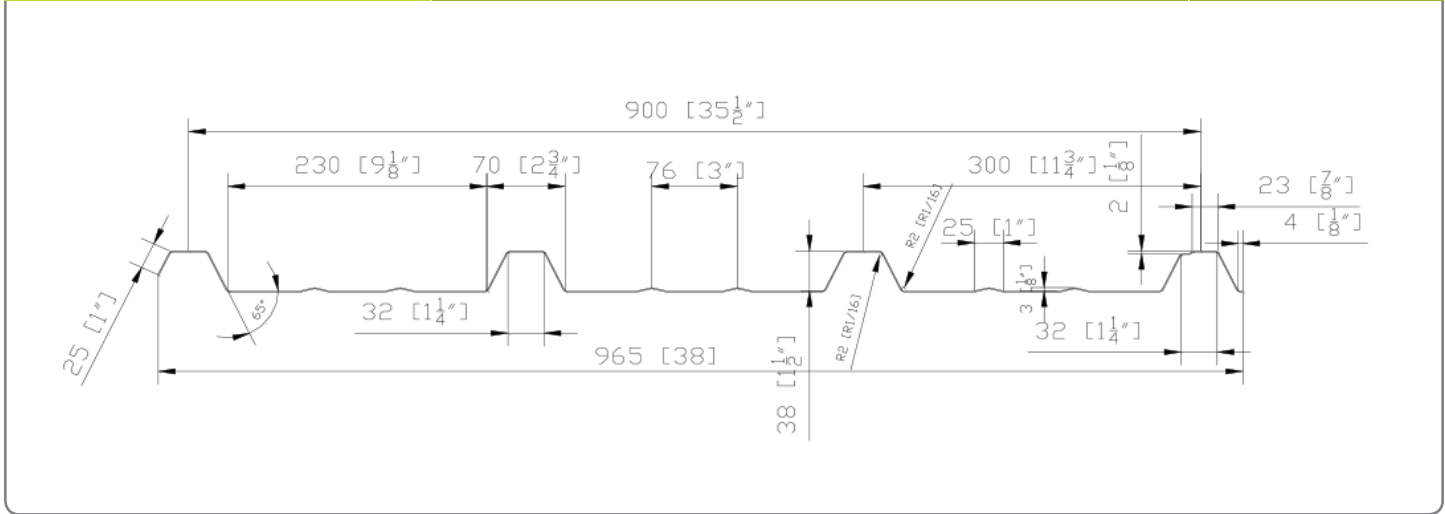


PROFILE IDENTIFICATION AND DETAILED DRAWING

PRODUCT: SUNSKY®	PALRAM PROFILE NAME/DESIGNATION Butler Rib II	PROFILE # 6940
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PROFILE DIMENSIONS

PROFILE		THICKNESS		LENGTH †		OVERALL WIDTH		NET COVERAGE AFTER OVERLAP		SIDE LAP
mm	inch	mm	inch	m	feet	mm	inch	mm	inch	%
300 / 38	11.81/1.49	0.8-1.5	0.03-0.06	1.5 - 11.8	5 - 39	965	38	900	35.43	6.7

† MAXIMUM RECOMMENDED PANEL LENGTH

m	feet	
7	23	While it is technically possible to manufacture and ship the maximum length listed, Palram does not recommend exceeding the length shown at left in order to avoid significant issues related to thermal expansion and contraction.

MAXIMUM ROOF SPAN (INCHES)

Load (lb/ft ²)	.03" (0.8mm) thickness		.04" (1.0mm) thickness		.06" (1.5 mm) thickness	
	End Span	Mid Span	End Span	Mid Span	End Span	Mid Span
15	42	56	46	61	58	77
20	38	51	41	55	52	70
25	35	47	38	51	49	65
30	33	44	36	48	46	61
35	32	42	34	45	44	58
40	30	40	32	43	41	55
45	30	39	32	42	40	53
50	28	37	30	40	38	51
55	27	36	30	40	37	49
60	27	35	29	38	36	48

NOTES ABOUT MAXIMUM ROOF SPANS

- The specified dimensions do not supersede the requirements of local construction codes.
- The given spans are according to deflections criterion of L/20, and minimum slope of 10%.
- The maximum roof spans are based on calculation model and practical testing.
- The mentioned load refers to wind and snow load only.
- For vertical application spans can be increased by 10%.

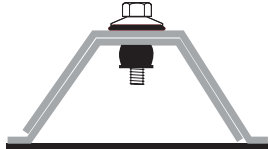
Continues on back side

PRODUCT:
SUNSKY®

PALRAM PROFILE NAME (a.k.a. Designation)
Butler Rib II

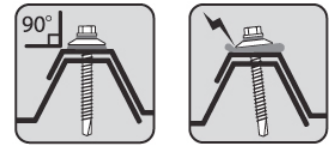
PROFILE #
6940

FASTENER AND WASHER SPECIFICATION FOR THIS PROFILE

Valley Fixing	Crest Fixing	Side Lap Stitching
Self-drilling ¼" (6mm) x 1.5" (38mm) screw with 19 mm diameter- galvanized / aluminum / stainless metal washer attached to EPDM rubber gasket of 55 to 65 shore hardness.	Not applicable for this profile.	Grommet Seal Fasteners. 

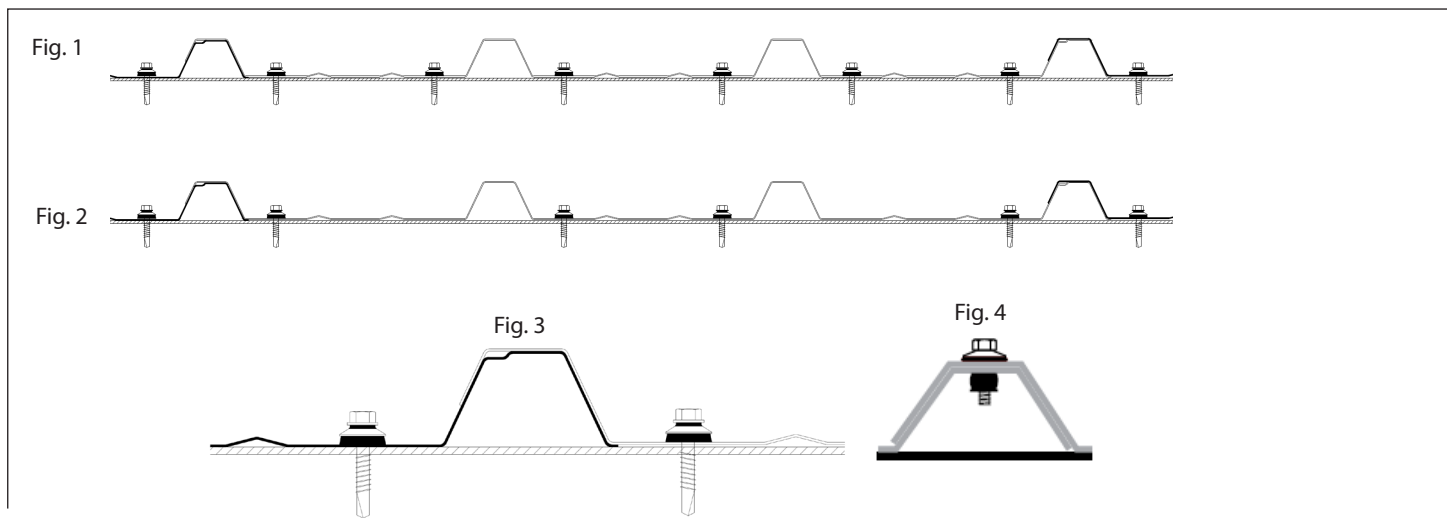
FASTENING

- Apply sealing tape over the SUNSKY panel side-lap corrugation crests, where covered by the next panel.
- Apply sealing tape along the bottom and top end-lap (if there is one), along screw center line or two tapes on both sides of screw center line.
- Pre-drill 3/8" holes where screws are positioned.
- Fasten the screws according to the fastening illustrations below, starting from the first side-lap through, the pre-drilled holes.
- Fasten the Side Lap Grommets at every 12-16 inches (Fig. 4).
- Figure 1: End Purlin fastening schedule.
- Figure 2: intermediate Purlin fastening schedule.
- Figure 3: Side Lap Screw Fastening Detail
- Figure 4: Side Lap Grommet Seal only, in between purlins so that 12-16 inch spacing can be achieved.



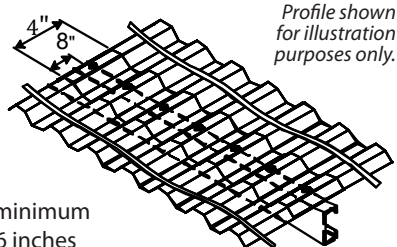
DO NOT OVER-TIGHTEN!
Washers should be perpendicular to purlin, and tightened to the point where they are firmly seated, but not bulging.

FASTENER LOCATIONS FOR THIS PROFILE



PANEL OVERLAP AND OVERHANG

- Recommended longitude overlap of 8" above purlin.
- Each panel to extend 4" over the fixings line on the purlin.
- Panels should overhang a minimum of 2 inches and maximum 6 inches beyond the row of fasteners.



CURVED ROOF APPLICATIONS

- Minimum curving radius 49.21 feet



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