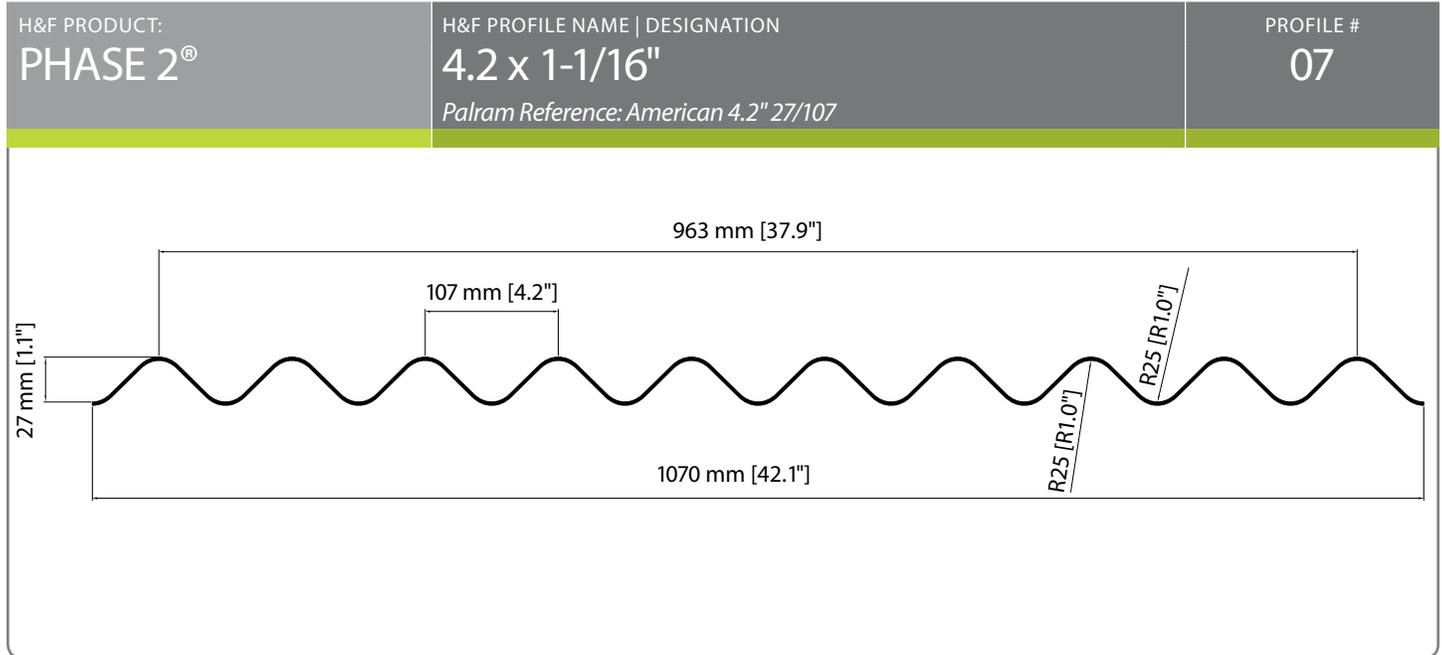


## PROFILE IDENTIFICATION AND DETAILED DRAWING



## PROFILE DIMENSIONS

PROFILE		THICKNESS		LENGTH †		OVERALL WIDTH		NET COVERAGE AFTER OVERLAP		SIDE LAP
mm	inch	mm	inch	m	feet	mm	inch	mm	inch	
107/27	4.2/1 <sup>1</sup> / <sub>16</sub>	2.5, 3, 4.5	<sup>3</sup> / <sub>32</sub> , <sup>1</sup> / <sub>8</sub> , <sup>3</sup> / <sub>16</sub>	Up to 11.5	Up to 38	1070	42.1	963	37.9	Minimum 1 Corrugation

## † MAXIMUM RECOMMENDED PANEL LENGTH

m	feet	
7	24	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 <sup>2</sup> )	<sup>3</sup> / <sub>32</sub> " (2.5mm) thickness		<sup>1</sup> / <sub>8</sub> " (3mm) thickness		<sup>3</sup> / <sub>16</sub> " (4.5mm) thickness	
	End Span	Mid Span	End Span	Mid Span	End Span	Mid Span
15	49	65	52	69	59	79
25	41	55	44	59	50	67
40	35	47	37	49	43	57
60	31	41	32	43	37	49

## 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

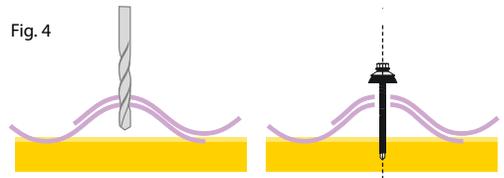
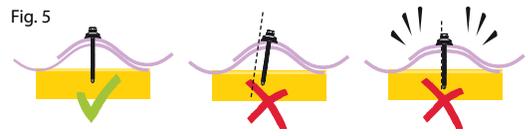
H&F PRODUCT: <b>PHASE 2®</b>	H&F REFERENCE <b>4.2 x 1-1/16"</b>	PALRAM PROFILE NAME (a.k.a. Designation) <b>American 4.2" 27/107</b>	PROFILE # <b>07</b>
---------------------------------	---------------------------------------	---	------------------------

FASTENER AND WASHER SPECIFICATION FOR THIS PROFILE

Valley Fixing	Crest Fixing	Side Lap Stitching
Not recommended for this profile.	Self-drilling 1/4" (6 mm) x 2" (50 mm) screw with 19 mm diameter stainless metal washer attached to EPDM rubber gasket of 55 to 65 shore hardness. 	Side Lap: Grommet Seal Fasteners 

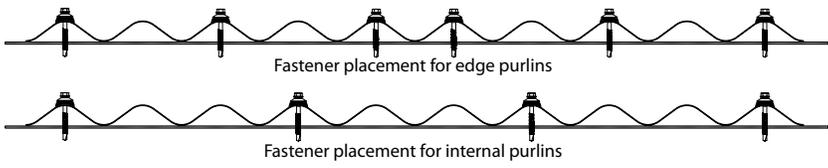
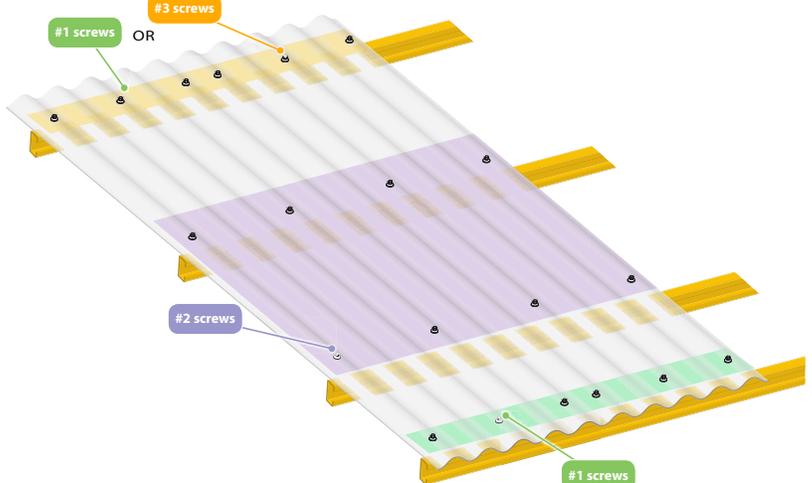
FASTENING

- To fasten crest screws, first drill a 10 mm (3/8") hole in the sheet, then insert the screw and fasten using an adjustable electric screwdriver. This oversized hole allows for panel thermal expansion (Fig. 4).
- The screw must be fastened perpendicularly to the PHASE 2 sheet and the purlin (Fig 4).
- DO NOT OVER-TIGHTEN!** Washers should be perpendicular to purlin, and tightened to the point where they are firmly seated, but not bulging (Fig 5).

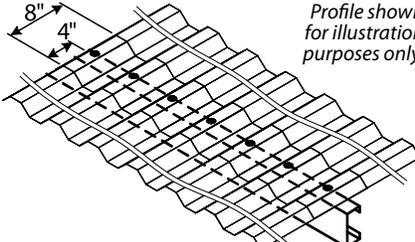
FASTENER LOCATIONS FOR THIS PROFILE

- Fastening differs for different profiles. However, all profiles have three distinct groups of screws:
- #1: Edge screws** Green color-coded screws are for fastening panels to upper and lower purlins.
- #2: Intermediary screws** Purple color-coded screws are used to fasten a panel to all other purlins.
- #3: Overlap screws** Orange color-coded screws are for fastening two panels to the same purlin (endlap).
- Before starting, get acquainted with the profile and its fastening scheme (Fig. 6 and Fig. 7)
- Note:** The drawings on this sheet show only four purlins: lower, upper and 2 intermediate. Number of purlins will vary according to load requirements and roof design.

PANEL OVERLAP AND OVERHANG

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



Profile shown for illustration purposes only.

CURVED ROOF APPLICATIONS

- Minimum curving radius 20 feet



In as much as Palram Americas, Inc. has no control over the use to which others may put the material, it does not guarantee that the same results as those described herein will be obtained. Each user of the material should conduct his/her own tests to determine the material's suitability for his own particular use. Statements concerning possible or suggested uses of the materials described herein are not to be construed as constituting a license under any Palram Americas, Inc. patent covering such use or as recommendations for use of such materials in the infringement of any patent. Palram Americas, Inc. or its distributors cannot be held responsible for any losses incurred through incorrect installation of the material. In accordance with our Company policy of continual product development you are advised to check with your local Palram Americas, Inc. supplier to ensure that you have obtained the most up to date information.