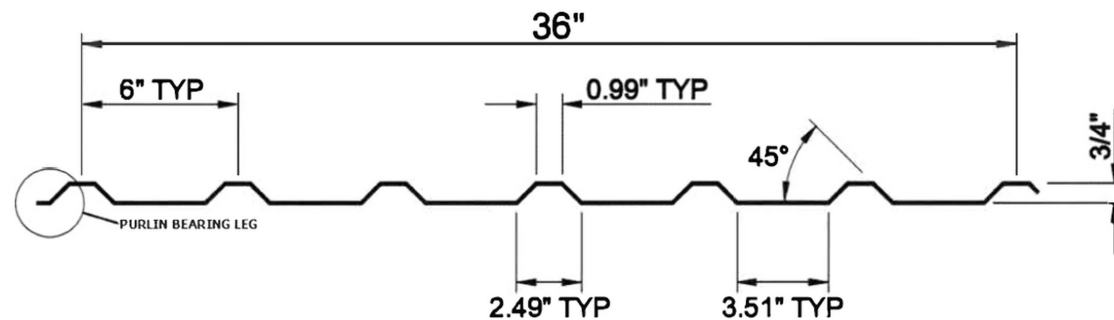


M PANEL

The M Panel (PBM) is ideal for roofs, walls, interior liners, decking, fascias, and residential and agricultural applications. This through-fastened panel has a 3/4"-deep profile with major rib corrugations at 6" on center, providing strength and versatility while maintaining an architectural appearance. The purlin-bearing leg helps ensure that metal-to-metal lap fasteners are seated properly for long-term, weathertight performance when correctly installed. Panels can be reverse-run to recess the fasteners into the flutes (major ribs), helping conceal their appearance on soffits, fascias, and liners. The panel is available in all Alliance Steel Inc. standard (Weather X) and premium (Fluropon) colors.



FEATURES

- Direct through-fastening system.
- Low-profile corrugations designed for strength and versatility.
- 3/4" rib height at 6" on center.
- When used on agricultural roof applications, 3/4" wide lap sealant is provided.
- Suitable for roof slopes as low as 1:12 with field-applied mastic.
- Matching light-transmitting panels are available.

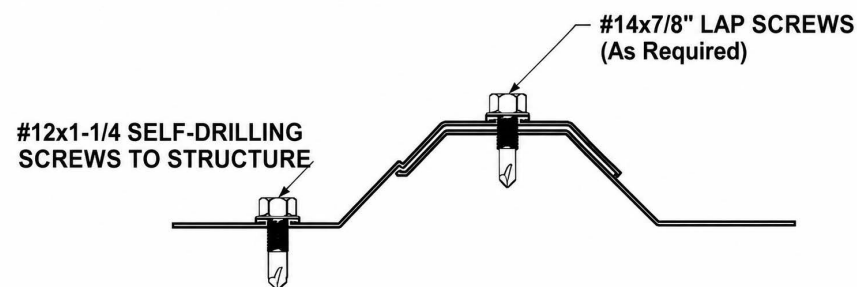
BENEFITS

- Quick and easy installation.
- Ideal panel for liners, decking, and agricultural applications.
- Provides strength yet remains aesthetically pleasing.
- Lap screw placement can vary and still penetrate the sealant.
- UL Class 90 wind-uplift rating over multiple substrates.
- UL 2218 Class 4 (hail) impact resistance rated.

- **1.0 Slope:** M Panel is ideal for interior liner and decking applications as well as exterior applications on agricultural buildings.
- **2.0 Substructure:** M Panel is designed to be placed over open structural framing but can be used in conjunction with a solid substructure. To avoid panel distortion, be sure the substructure is uniform and properly aligned.
- **3.0 Coverage:** Each panel has a net coverage width of 36".
- **4.0 Lengths:** Minimum factory cut length is 4'-0". Maximum length is 40'-0".
- **5.0 Fasteners:** Panels are fastened to structural framing with #12x1¼ self-drilling screws. When used as decking, sidelaps are fastened together with #14x7/8 self-drilling screws. Refer to the erection drawing package for fastener location and spacing.
- **6.0 Availability:** 26- and 29-gauge steel are standard.



Sidelap Detail



Allowable Uniform Loads for 3 or More Spans in PSF

		LIVE LOAD								WIND LOAD							
		Stress				Deflection				Stress				Deflection			
Ga	KSI	2'	3'	4'	5'	2'	3'	4'	5'	2'	3'	4'	5'	2'	3'	4'	5'
26	50	187	83.1	46.7	29.9	187	83.1	46.7	26.0	215	95.7	53.9	34.5	215	81.5	34.4	17.6
29	80	153	68.1	38.3	24.5	153	68.1	35.2	18.0	171	76.0	42.7	27.4	171	57.0	24.1	12.3

- Tabulated values are total allowable loads calculated in accordance with the maximum bending stresses for physical and section properties.
- These load capacities are for the panel itself. Frames, purlins, fasteners, and all supports must be designed to resist all loads imposed by the panel.
- Deflection loads are limited by a maximum deflection ratio of L/180 of the span.