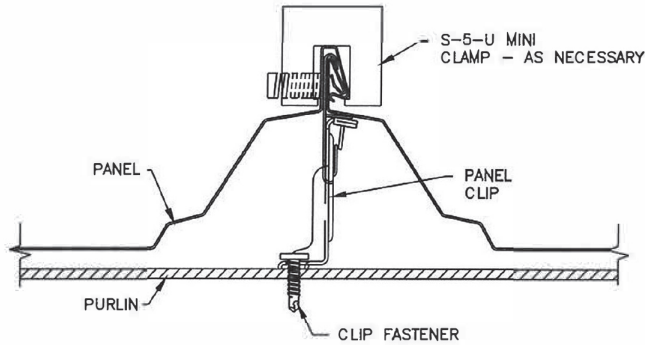
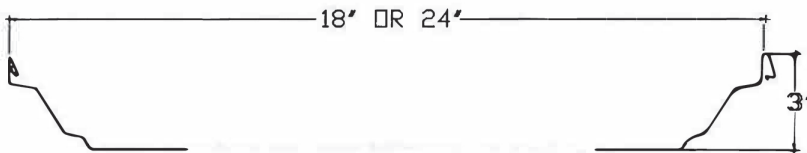




324 TRAPEZOIDAL SELF-LOCKING STANDING SEAM ROOF PANEL



CLIP SECTION VIEW



- **Slope:**
Minimum Slope = 1/4":12
- **Substructure:**
Can be installed over open structural framing or solid surface.
- **Clips:**
Spacing dependent upon spacing of structural supports and loading.
- **Thickness:**
Base Metal shall be 24 gage AZ 55 Galvalume® produced with ASTM A792 50 Class 1 material.
- **Coverage:**
Panels available with a vertical rib height of 3" and widths of 18" and 24" with factory applied side lap sealant.
- **Length:**
Common Lengths available from 5 ft to 60 ft. Longer lengths require special consideration for packaging and shipment.
- **Finishes:**
Smooth, AZ 55 Galvalume® with a 25 year warranty or Pre-Painted High Durability finish with a 40 year warranty (crack, peel and adhesion).

Width (in.)	Yield (ksi)	Weight (in.)	Top in Compression		Bottom in Compression	
			lx in ⁴ /ft	Sx in ³ /ft	lx in ⁴ /ft	Sx in ³ /ft
24	50	1.179	0.3265	0.1354	0.1320	0.0859
18	50	1.263	0.3967	0.1727	0.1800	0.1158

Notes on Section Properties:

1. Section Properties are calculated in accordance with North American Specification for the Design of Cold-Formed Steel Structural members (2016 Edition).
2. 1 +/- is for deflection determination, S +/- is for bending determination.
3. Minimum deliverable bare steel thickness shall not be less than 9% of design thickness.

Allowable Live Loads			Allowable Uplift Loads						
Width (in.)	Span Condition	Span (ft.)			Width (in.)	Span Condition	Span (ft.)		
		2.5	4	5			2.5	4	5
24	SS	432.3	168.9	108.1	24	SS	228.9	89.4	57.2
	DS	214.7	87.1	56.3		DS	354.5	154.8	102.0
	TS	246.4	101.0	65.4		TS	370.6	144.8	92.7
18	SS	551.7	215.5	137.9	18	SS	308.8	120.6	77.2
	DS	289.7	117.5	75.9		DS	460.9	199.3	131.0
	TS	332.6	136.2	88.2		TS	499.9	195.3	125.0

Panel has been tested 111 accordance with ASTM EI 680-95(2003) and ASTM EI 646-95 (2003) for Air and Water Penetration. Panel meets or exceeds the requirements of this testing. Copies of the independent test laboratory reports are available upon request.

Notes on Allowable Loads:

1. Allowable Loads are calculated in accordance with North American Specification for the Design of Cold-Formed Steel Structural Members (2016 Edition).
2. Allowable load based on stress is the smallest load due to bending, shear, and combined bending and shear.
3. Loads are limited by stress and meet or exceed deflection ratio of L/180 of span.
4. These loads are for panel strength. Frames, purlins, clips, fasteners and all supports must be designed to resist all loads imposed on the panels.
5. Allowable uplift loads based on stress have not been increased by 33.33% for wind uplift. 6. For roof panels, self weight of the panel has to be deducted from the allowable inward load to arrive at the actual "live load" carrying capacity of the panel.
7. Panel has been tested in accordance with ASTM E 1592-05. The results of this testing are available upon request.
8. SS=Simple Span, DS=Double Span, TS=Triple Span