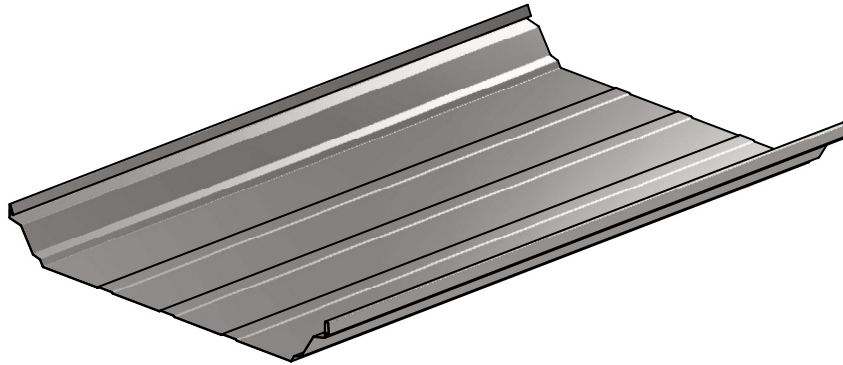
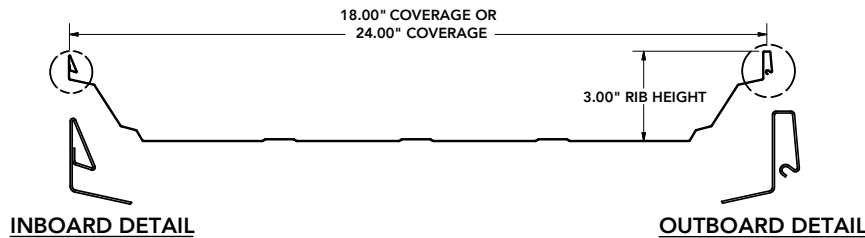




324 TRAPEZOIDAL SELF-LOCKING STANDING SEAM ROOF PANEL



- **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
AZ55 Galvalume® produced with
ASTM A792 50 Gr.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, AZ55 Galvalume® with a 25 year warranty or Pre-Painted High Durability finish with a 40 year warranty (crack, peel and adhesion).



24 gauge, 50 ksi BETCO 324 Panel -Section Properties						
Width (in.)	Yield (ksi)	Weight (in.)	Panel Top in Compression		Panel Bottom in Compression	
			Ix in ⁴ /ft	Sx in ³ /ft	Ix 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. Ix +/- is for deflection determination, Sx (+/-) is for bending determination.
3. Minimum deliverable bare steel thickness shall not be less than 95% of design thickness.

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=Single Span, DS=Double Span, TS=Triple Span

24 gauge, 50 ksi BETCO 324 Panel - Allowable Loads								
Allowable Live Loads - PSF					Allowable Uplift Loads - PSF			
Width (in.)	Span Condition	Span (ft.)			Width (in.)	Span Condition	Span (ft.)	
		2.5	4	5			2.5	4
24	SS	432.3	168.9	108.1	24	SS	228.9	89.4
	DS	214.7	87.1	56.3		DS	354.5	154.8
	TS	246.4	101.0	65.4		TS	370.6	144.8
18	SS	551.7	215.5	137.9	18	SS	308.8	120.6
	DS	289.7	117.5	75.9		DS	460.9	199.3
	TS	332.6	136.2	88.2		TS	499.9	195.3

Panel has been tested in accordance with ASTM E1680-95 and ASTM E1646-95 for Air and Water Penetration respectively. Panel meets or exceeds the requirements of this testing. Copies of the independent test laboratory reports are available upon request.