



Continuous, concealed fastener, roofing and siding system for commercial, industrial and residential applications.

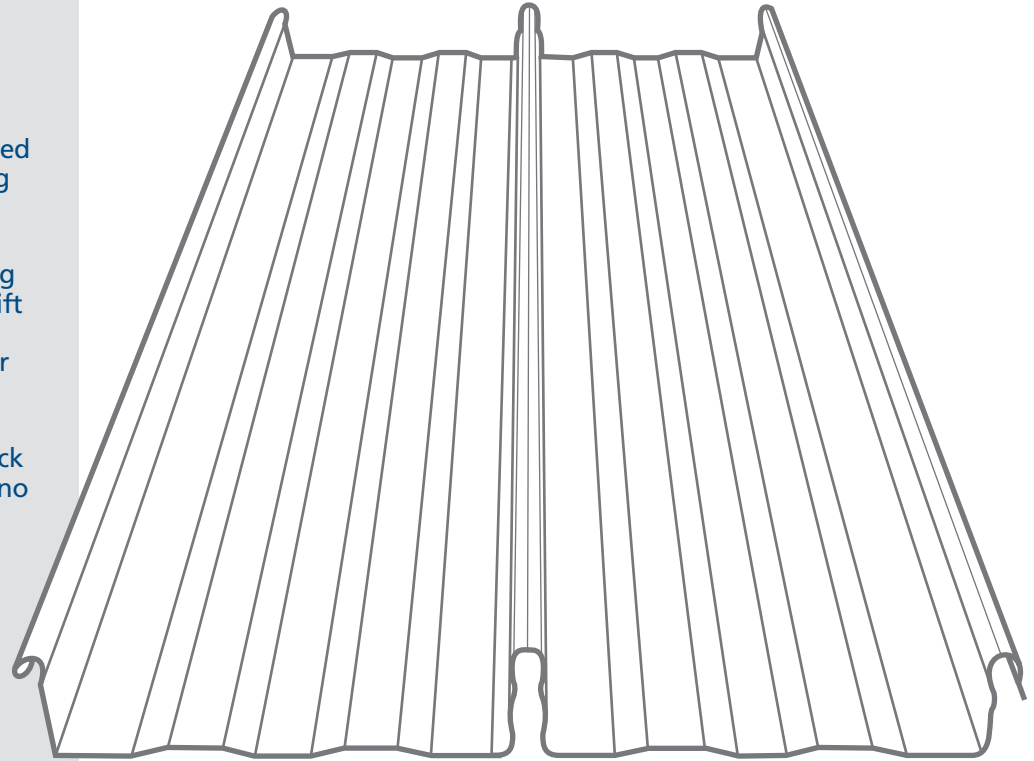
**Features:**

- Rib-Roof features a positive internal locking clip combined with precise rib snap-locking action at laps.
- Clips do not interrupt the locking action of the lapping ribs, thus resisting wind uplift and weather penetration. Each panel locks tightly over preceding panel along full length of rib.
- Patented 18 GA Clip-Interlock System secures panels with no exposed penetrations.
- Clips do not require lap sealant and allow for thermal expansion.
- Recommended minimum pitch 1/4" in 12".
- Panel lengths up to 50 feet are available at no extra shipping cost.
- Tech manual is provided with standard flashing and details.
- Rib Roof available in a wide variety of colors and finishes.
- Matching Galvalume® pre-painted finishes for flashing and flat stock are available.
- All Galvalume® products carry 20 year material warranties.

**Testing and Certification:**

- Wind Uplift-UL 90 Classification #204
- ICBO Evaluation report #3866
- Dade County, Florida, Notice of Acceptance Number 94-1221.07
- Air Infiltration: Panel to meet air infiltration standards as tested in accordance with ASTM E 283-86
- Water Penetration: Panel to meet water penetration standards as tested in accordance with ASTM E 331-86

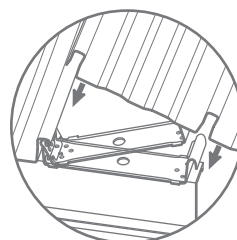
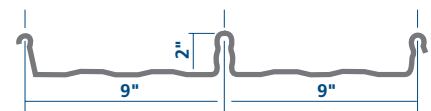
# STANDING SEAM ROOF PANEL



**Panel Section Properties Table**

STEEL THICKNESS		PANEL WEIGHT (PSF)	PANEL TOP IN COMPRESSION			PANEL BOTTOM IN COMPRESSION		
GAUGE	INCHES		$I_x$ (in <sup>4</sup> /ft)	$S_x$ (in <sup>3</sup> /ft)	$M_a$ (in-kip/ft)	$I_x$ (in <sup>4</sup> /ft)	$S_x$ (in <sup>3</sup> /ft)	$M_a$ (in-kip/ft)
24	0.0256	1.6	0.1657	0.1132	3.39	0.1030	0.0904	2.71
22	0.0316	1.9	0.2046	0.1403	4.20	0.1386	0.1158	3.47

NOTES: 1.  $I_x$  is the moment of inertia for deflection determination.  
 2.  $S_x$  and  $M_a$  are for use in stress calculations, based on  $F_y = 50$  KSI



**Rib Roof Clip-Interlock System**

The Rib Roof Standing Seam Roofing Panels, adaptable to any building system, are secured by the patented "No Holes Bared" clip-interlock system that guarantees no water penetration.

## RIB ROOF LOAD SPAN TABLES

### ALLOWABLE GRAVITY LOAD SPANS IN FEET —Used as Roof Panel

PANEL THICKNESS (GAUGE)	SPAN CONDITION	20 PSF LL			30 PSF LL			40 PSF LL		
		STRESS	L/180 DEFL	L/240 DEFL	STRESS	L/180 DEFL	L/240 DEFL	STRESS	L/180 DEFL	L/240 DEFL
24	SIMPLE SPAN	10.2	8.7	7.9	8.4	7.7	7.0	7.3	7.0	6.3
	2 SPAN	9.1	9.1	8.3	7.5	7.5	7.3	6.5	6.5	6.5
	3 SPAN	9.4	8.9	8.1	7.8	7.8	7.8	6.2	6.2	6.2
22	SIMPLE SPAN	11.3	9.3	8.4	9.3	8.2	7.4	8.1	7.5	6.8
	2 SPAN	10.2	9.8	8.9	8.5	8.5	7.9	7.4	7.4	7.2
	3 SPAN	10.6	9.6	8.7	8.8	8.5	7.7	7.6	7.6	7.6

- NOTES: 1. The load combination for this table is roof live load plus roof panel dead load.  
 2. The properties and load tables are for the panel alone.  
 The panel profile has been assumed to remain constant under loading.  
 The capacity of the clips and fasteners is not considered.  
 3. The panel section properties have been calculated in accordance with the 1986 AISI Specification, with 1989 Addendum.  
 4. Values for 3 span condition also consider the effects of 4 or more spans.  
 5. Pattern loading has been considered for multiple span conditions.

### ALLOWABLE WIND UPLIFT LOAD IN POUNDS PER SQUARE FOOT —24 Gauge Panel Used As Roof

SPAN (FT)	SIMPLE SPAN			2 SPANS			3 OR MORE SPANS		
	STRESS	L/180 DEFL	L/240 DEFL	STRESS	L/180 DEFL	L/240 DEFL	STRESS	L/180 DEFL	L/240 DEFL
4.0	152	141	105	190	190	190	222	222	222
5.0	98	72	54	122	122	122	142	142	133
6.0	68	42	31	85	85	85	99	99	77
7.0	51	26	20	63	63	62	73	65	48
8.0	39	18	13	49	49	41	57	43	32
9.0	31	12	9	39	39	29	45	30	23
10.0	26	9	7	32	28	21	37	22	17

### ALLOWABLE WIND UPLIFT LOAD IN POUNDS PER SQUARE FOOT —22 Gauge Panel Used As Roof

SPAN (FT)	SIMPLE SPAN			2 SPANS			3 OR MORE SPANS		
	STRESS	L/180 DEFL	L/240 DEFL	STRESS	L/180 DEFL	L/240 DEFL	STRESS	L/180 DEFL	L/240 DEFL
4.0	195	195	142	235	235	235	275	275	275
5.0	125	97	73	151	151	151	176	176	170
6.0	88	56	42	106	106	106	123	123	98
7.0	65	35	26	78	78	78	91	82	62
8.0	50	24	18	60	60	53	70	55	41
9.0	40	17	12	48	48	37	56	39	29
10.0	33	12	9	39	36	27	46	28	21

- NOTES: 1. The load combination for this table is roof live load plus roof panel dead load.  
 2. The properties and load tables are for the panel alone.  
 The panel profile has been assumed to remain constant under loading.  
 The capacity of the clips and fasteners is not considered.  
 3. The panel section properties have been calculated in accordance with the 1986 AISI Specification, with 1989 Addendum.  
 4. The forces have been multiplied by .75 in accordance with section A4.4 of the AISI Specification.  
 5. Pattern loading is not considered.



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