R & M STEEL CO

STEEL BUILDING COMPONENTS

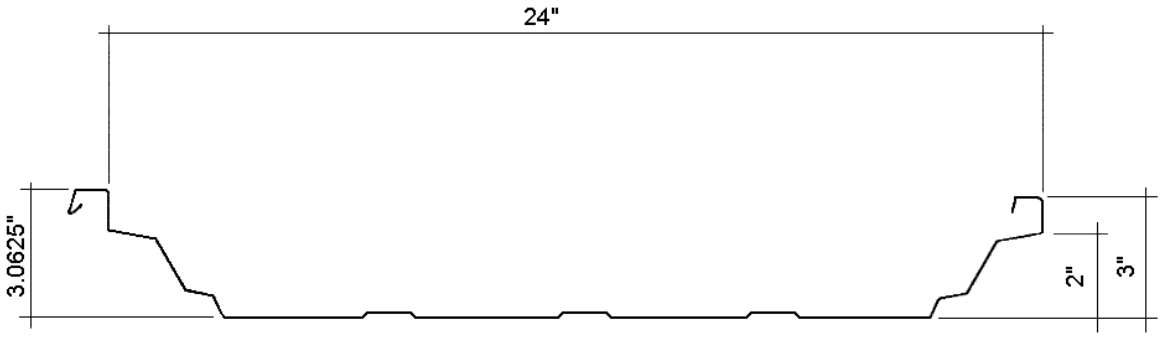
PANEL PROFILES

Thank you for your business.
To place an order, you may:

Phone: 1-208-454-1800 Toll Free: 1-866-454-1800
Fax: 1-208-454-1801 Toll Free: 1-866-454-1801
Email: sales.rmsteel@gmail.com

TS-324™

STANDING SEAM ROOF SYSTEM



ABOVE AND BEYOND THE REST
NO OTHER ROOF COMPARES

AKZO NOBEL CERAM-A-STAR™ 1050 FINISH
40-YEAR PAINT WARRANTY UPON WRITTEN REQUEST

Note: All orders rolled with 3 minor ribs unless otherwise specified.

TS-324™ is produced in 24-gauge Galvalume Plus and Painted.

R&M Steel's TS-324™ Standing Seam Roof System has been extensively tested to ensure the highest level of ***weather tightness*** and structural integrity. The panels have been tested and approved by Factory Mutual™ and Underwriters Laboratories™ for wind uplift as well as hail and fire resistance.

R&M Steel's TS-324™ Standing Seam Roof System has three seam-type options.

- RollLok™
- TripleLok™
- QuadLok™

The project design and performance requirements govern which seam type is required. Different seam types may be required on specific areas of the roof. Refer to the Installation Drawings to determine the required seam type and locations.

TS-324™ is the only Standing Seam Roof panel on the market to provide higher wind uplift resistance using 24-gauge panels than other roof systems using 22-gauge panels.

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TS-324™
STANDING SEAM ROOF SYSTEM

				Panel Top in Compression			Panel Bottom in Compression		
Gauge	**F_y (ksi)**	**Wt. (psf)**	**Thick. (inch)**	**I_x (in^4)**	**S_x (in^3)**	**F_b (ksi)**	**I_x (in^4)**	**S_x (in^3)**	**F_b (ksi)**
24	50	1.168	0.0228	0.3739	0.1567	30.0	0.1577	0.0965	30.00
22	50	1.441	0.0282	0.4587	0.1925	30.0	0.2025	0.1276	30.00

NOTE: Section properties are calculated in accordance with 1986 AISI Specifications. And are valid only for the section shown above. S_x and F_b are for stress determination; I_x is for deflection determination.

24-gauge:
- Allowable intermediate bearing at 3" = 0.298 kips/ft
- Allowable end bearing at 2" = 0.117 kips/ft

22-gauge:
- Allowable intermediate bearing at 3" = 0.421 kips/ft
- Allowable end bearing at 2" = 0.185 kips/ft

24-Gauge Material (F_y=50 ksi) Allowable Live Loads—<u>All Loads in Pounds per Square Foot</u>

Span Type	Load Type	Span (In feet)							
		3.0	**4.0**	**5.0**	**6.0**	**7.0**	**8.0**	**9.0**	**10.0**
Single Span	**Stress**	348.1	195.8	125.3	87.0	63.9	48.9	38.7	31.3
	Deflection	348.1	195.8	125.3	87.0	63.9	48.9	38.7	31.3
2 Spans	**Stress**	214.4	120.6	77.2	53.6	39.4	30.1	23.8	19.3
	Deflection	214.4	120.6	77.2	53.6	39.4	30.1	23.8	19.3
3 Spans or more	**Stress**	250.4	140.9	90.2	62.6	45.0	35.2	27.8	22.5
	Deflection	250.4	140.9	90.2	62.6	46.0	35.2	27.8	22.54

22-Gauge Material (F_y=50 ksi) Allowable Live Loads—<u>All Loads in Pounds per Square Foot</u>

Span Type	Load Type	Span (In feet)							
		3.0	**4.0**	**5.0**	**6.0**	**7.0**	**8.0**	**9.0**	**10.0**
Single Span	**Stress**	427.8	240.6	154.0	107.0	78.6	60.2	47.5	38.5
	Deflection	427.8	240.6	154.0	107.0	78.6	60.2	47.5	38.5
2 Spans	**Stress**	283.4	159.4	102.0	70.9	52.7	39.9	31.5	25.5
	Deflection	283.4	159.4	102.0	70.9	52.1	39.9	31.5	25.5
3 Spans or more	**Stress**	331.1	186.2	119.2	82.8	60.8	46.6	36.8	29.8
	Deflection	331.1	186.2	119.2	82.8	60.8	46.6	36.8	29.8