METAL PANELS INC.™

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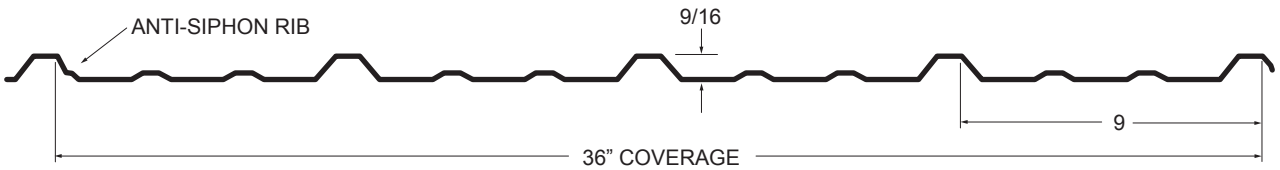
Product Information:

STRONGSEAM FLAT-LOC PANEL



29 ga. & 26 ga.

SECTION PROPERTIES								
			TOP FLAT IN COMPRESSION			BOTTOM FLAT IN COMPRESSION		
PANEL GAUGE	Fy (KSI)	WEIGHT (PSF)	I_x (in.⁴/ft.)	S_e (in.³/ft.)	M_a (Kip in.)	I_x (in.⁴/ft.)	S_e (in.³/ft.)	M_a (Kip in.)
29	80.0	0.73	0.0110	0.0174	0.6423	0.0062	0.0154	0.5543
26	80.0	0.92	0.0142	0.0232	0.8327	0.0085	0.0200	0.7170

NOTES
1. Section properties and allowables are computed in accordance with the 1986 edition of the AISI specifications.
2. I_x is for deflection determination.
3. S_e is for bending.
4. M_a is allowable bending movement.
5. All values are for one foot of panel width.

ALLOWABLE UNIFORM LOADS IN POUNDS PER SQUARE FOOT

29 Gauge (Fy = 80 KSI)

SPAN TYPE	LOAD TYPE	SPAN IN FEET						
		3.0	3.5	4.0	4.5	5.0	5.5	6.0
SINGLE	NEGATIVE WIND LOAD	55	40	31	24	20	16	14
	LIVE LOAD/DEFLECTION	28	17	12	8	6	5	3
2-SPAN	NEGATIVE WIND LOAD	63	47	36	28	23	19	16
	LIVE LOAD/DEFLECTION	41	30	23	18	14	11	8
3-SPAN	NEGATIVE WIND LOAD	79	58	45	35	29	24	20
	LIVE LOAD/DEFLECTION	51	33	22	16	11	8	7

26 Gauge (Fy = 80 KSI)

SPAN TYPE	LOAD TYPE	SPAN IN FEET						
		3.0	3.5	4.0	4.5	5.0	5.5	6.0
SINGLE	NEGATIVE WIND LOAD	71	52	40	31	25	21	18
	LIVE LOAD/DEFLECTION	37	23	16	11	8	6	5
2-SPAN	NEGATIVE WIND LOAD	82	60	46	37	30	24	21
	LIVE LOAD/DEFLECTION	53	39	30	24	19	14	11
3-SPAN	NEGATIVE WIND LOAD	103	76	58	46	37	31	26
	LIVE LOAD/DEFLECTION	66	44	29	21	15	11	9

NOTES
1. Allowable loads are based on uniform span lengths and F_y of 80 KSI.
2. Live load is allowable live load.
3. Wind load is allowable wind load and has been increased by 33⅓%.
4. Deflection loads are limited by a maximum deflection ratio of L/180 of span or maximum bending stress from live load.
5. Weight of the panel has not been deducted from allowable loads.
6. Load table values do not include web crippling requirements.