

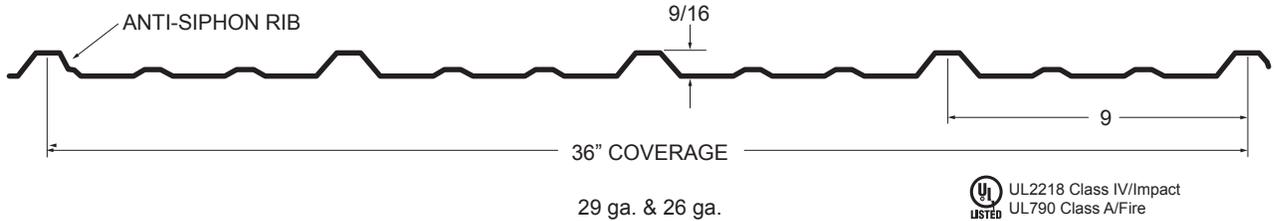


PRODUCT INFORMATION

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STRONGSEAM PANELS FLAT-LOC PANEL



SECTION PROPERTIES								
PANEL GAUGE	(Yield Stress) F _y (KSI)	WEIGHT (PSF)	TOP FLAT IN COMPRESSION (Positive Bending)			BOTTOM FLAT IN COMPRESSION (Negative Bending)		
			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	0.698	0.0073	0.0152	0.5460	0.0053	0.0152	0.5477
26	80.0	0.860	0.0097	0.0198	0.7097	0.0070	0.0189	0.677

NOTES

1. All calculations for the properties of panels are calculated in accordance with the 1996 AISI Supplement No. 1.
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 (F_y=80KSI)

SPAN TYPE	LOAD TYPE	SPAN IN FEET							
		2.0	2.5	3.0	3.5	4.0	4.5	5.0	6.0
SINGLE	NEGATIVE WIND LOAD	121.4	77.7	54.0	39.6	30.3	24.0	19.4	13.5
	LIVE LOAD / DEFLECTION	80.1	41.0	23.7	15.0	10.0	7.0	5.1	3.0
2-SPAN	NEGATIVE WIND LOAD	121.0	77.5	53.8	39.5	30.3	23.9	19.4	13.4
	LIVE LOAD / DEFLECTION	91.3	53.4	30.9	19.5	13.0	9.2	6.7	3.9
3-SPAN	NEGATIVE WIND LOAD	141.1	62.8	62.8	46.2	35.3	27.9	22.6	15.7
	LIVE LOAD / DEFLECTION	106.6	44.8	44.8	28.2	18.9	13.3	9.7	5.6

26 Gauge (F_y=80KSI)

SPAN TYPE	LOAD TYPE	SPAN IN FEET							
		2.0	2.5	3.0	3.5	4.0	4.5	5.0	6.0
SINGLE	NEGATIVE WIND LOAD	150.2	96.1	66.8	49.1	37.6	29.7	24.0	16.7
	LIVE LOAD / DEFLECTION	105.6	54.1	31.3	19.7	13.2	9.3	6.8	3.9
2-SPAN	NEGATIVE WIND LOAD	157.3	100.7	69.9	51.4	39.3	31.1	25.2	17.5
	LIVE LOAD / DEFLECTION	112.9	70.4	40.7	25.7	17.2	12.1	8.8	5.1
3-SPAN	NEGATIVE WIND LOAD	183.8	117.6	81.7	60.0	45.9	36.3	29.4	20.4
	LIVE LOAD / DEFLECTION	131.9	84.4	58.6	37.2	24.9	17.5	12.8	7.4

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 33 1/3%.
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. Minimum bearing length must be checked.