



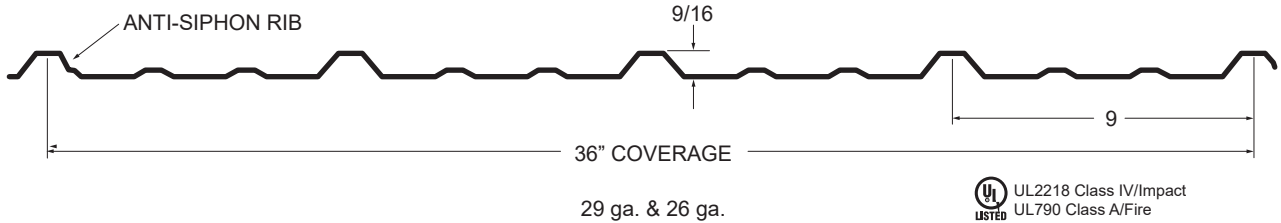
# PRODUCT INFORMATION

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## FLAT-LOC PANEL



SECTION PROPERTIES								
PANEL GAUGE	(Yield Stress) F <sub>y</sub> (KSI)	WEIGHT (PSF)	TOP FLAT IN COMPRESSION (Positive Bending)			BOTTOM FLAT IN COMPRESSION (Negative Bending)		
			I <sub>x</sub> (in. <sup>4</sup> /ft.)	S <sub>e</sub> (in. <sup>3</sup> /ft.)	M <sub>a</sub> (Kip in.)	I <sub>x</sub> (in. <sup>4</sup> /ft.)	S <sub>e</sub> (in. <sup>3</sup> /ft.)	M <sub>a</sub> (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<sub>x</sub> is for deflection determination.
3. S<sub>e</sub> is for bending.
4. M<sub>a</sub> 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<sub>y</sub>=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<sub>y</sub>=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<sub>y</sub> 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.