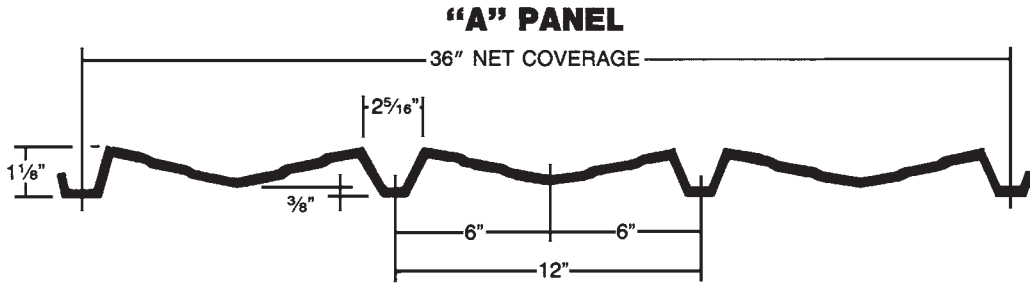


FIGURE 7.7 Exposed-fastener panels. (Star Building Systems.)



PANEL GAGE	F <sub>y</sub> (KSI)	WEIGHT (PSF)	TOP FLAT IN COMPRESSION			BOTTOM FLAT IN COMPRESSION		
			I <sub>x</sub> (in. <sup>4</sup> /ft.)	S <sub>x</sub> (in. <sup>3</sup> /ft.)	M <sub>a</sub> (in.-Kips)	I <sub>x</sub> (in. <sup>4</sup> /ft.)	S <sub>x</sub> (in. <sup>3</sup> /ft.)	M <sub>a</sub> (in.-Kips)
29	80.0	0.74	0.0133	0.0243	0.8725	0.0183	0.0256	0.9182
26	80.0	0.94	0.0180	0.0318	1.1411	0.0244	0.0342	1.2278
24	50.0	1.14	0.0239	0.0402	1.2027	0.0314	0.0442	1.3228
22	50.0	1.44	0.0336	0.0590	1.7670	0.0403	0.0579	1.7334

**NOTES**

1. All calculations for the properties of panels are calculated in accordance with the 1986 edition of *Specifications for the Design of Light Gauge Cold Formed Steel Structural Members* - published by the American Iron and Steel Institute (A.I.S.I.).
2. I<sub>x</sub> is for deflection determination.
3. S<sub>x</sub> is for bending.
4. M<sub>a</sub> is allowable bending moment.
5. All values are for one foot of panel width.

**ALLOWABLE UNIFORM WIND LOADS IN POUNDS PER SQUARE FOOT**

SPAN TYPE	LOAD TYPE	29 Gage (F <sub>y</sub> = 80 KSI)					26 Gage (F <sub>y</sub> = 80 KSI)				
		SPAN IN FEET					SPAN IN FEET				
		4.0	5.0	6.0	7.0	8.0	4.0	5.0	6.0	7.0	8.0
2-SPAN	POSITIVE WIND LOAD	44	22	13	9	6	58	30	17	10	7
3 OR MORE	POSITIVE WIND LOAD	55	28	16	11	7	73	37	21	13	9

SPAN TYPE	LOAD TYPE	24 Gage (F <sub>y</sub> = 50 KSI)					22 Gage (F <sub>y</sub> = 50 KSI)				
		SPAN IN FEET					SPAN IN FEET				
		4.0	5.0	6.0	7.0	8.0	4.0	5.0	6.0	7.0	8.0
2-SPAN	POSITIVE WIND LOAD	74	38	22	14	10	96	52	30	19	13
3 OR MORE	POSITIVE WIND LOAD	92	48	28	17	12	120	65	37	24	16

**NOTES**

1. Allowable wind loads are based on uniform span lengths and F<sub>y</sub> of 80 KSI for 29 and 26 gage and F<sub>y</sub> of 50 KSI for 24 and 22 gage.
2. Allowable wind load has been increased by 33 1/3%.
3. Minimum bearing length of 1 1/2" required.
4. "A" panel is to be used as a wall panel only.

FIGURE 7.8 Exposed-fastener panel. ("A" panel by MBCL)