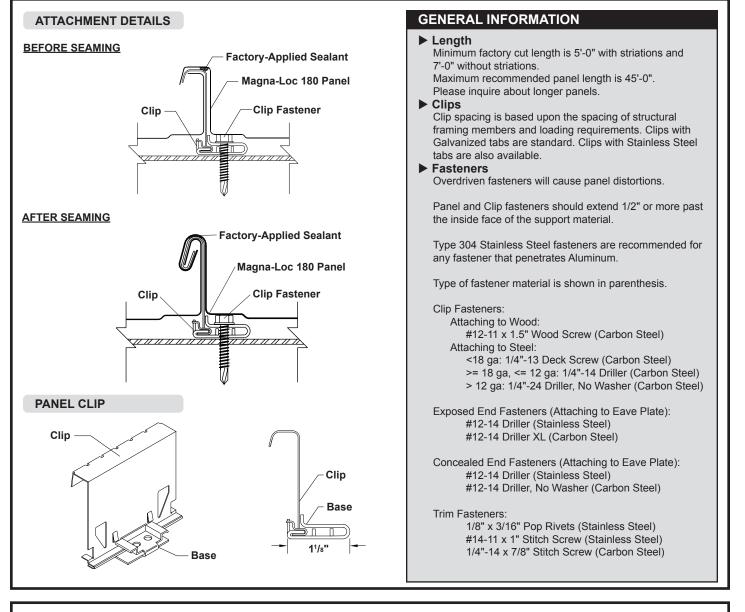


## MAGNA-LOC 180 - Aluminum



SECTION PROPERTIES									ALLOWABLE UNIFORM LOADS, psf (3 or More Equal Spans)												
Thick	Width in	<b>Yield</b> ksi	Weight psf	<b>I</b> in⁴/ft	<b>S<sub>τορ</sub></b> in³/ft	S <sub>Bottom</sub> in³/ft		Inward Load Outward						'd Lo	Load						
in							2'	2.5'	3'	3.5'	4'	5'	2'	2.5'	3'	3.5'	4'	5'			
0.032	16	17	0.60	0.2333	0.1321	0.5830	86	56	39	29	22	14	80	72	65	57	49	34			
0.032	18	17	0.58	0.2133	0.1185	0.5792	76	49	34	25	19	12	63	57	51	46	40	28			

1. Section properties have been calculated per 2010 Aluminum Design Manual. I, S<sub>Top</sub> and S<sub>Bottom</sub> are section properties for deflection and bending. 2. Allowable load is calculated in accordance with 2010 Aluminum Design Manual specifications considering bending, shear, combined bending and shear,

- deflection, and ASTM 1592 uplift testing. Allowable load does not address web crippling or other fasteners or support materials.
- Deflection consideration is limited by a maximum deflection ratio of L/180 of span. 3
- 4. Allowable loads do not include a 1/3 stress increase in uplift.

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