

# SSS2-16 x 0.032" AL



## PANEL SECTION PROPERTIES --- PER FOOT OF WIDTH

GAUGE	Fy (ksi)	WEIGHT (psf)	SHEAR Va (lbs / ft)	TOP IN COMPRESSION			BOTTOM IN COMPRESSION		
				Ix (in4 / ft)	Sx (in3 / ft)	Ma (in.-k)	Ix (in4 / ft)	Sx (in3 / ft)	Ma (in.-k)
0.032"AL	18	0.621	633	0.2213	0.1417	1.5270	0.1103	0.1037	1.1183

- Notes:
1. Fy is the yield strength of the base metal.
  2. Va is the allowable vertical shear of the panel.
  3. Ix is the effective moment of inertia of the panel per foot of width.
  4. Sx is the effective section modulus of the panel per foot of width.
  5. Ma is the allowable bending moment of the panel per foot of width.
  6. All properties are calculated in accordance with the 2007 North American Specification for the Design of Cold-Formed Steel Structural Members.

## ASD - ALLOWABLE UNIFORM LOAD (psf)

SPANS	LOAD TYPE	SPAN (FEET)							
		2.0	2.5	3.0	3.5	4.0	4.5	5.0	5.5
<b>1</b>	LIVE	254	162	113	83	63	50	40	33
	NEGATIVE WIND	186	119	82	60	46	36	29	24
	DEFL. (L / 180)	254	162	113	83	63	50	40	33
	DEFL. (L / 240)	254	162	113	83	63	50	39	29
<b>2</b>	LIVE	174	114	80	59	45	36	29	24
	NEGATIVE WIND	227	151	107	79	61	49	39	33
	DEFL. (L / 180)	174	114	80	59	45	36	29	24
	DEFL. (L / 240)	174	114	80	59	45	36	29	24
<b>3</b>	LIVE	213	140	99	73	56	45	36	30
	NEGATIVE WIND	272	183	129	95	72	57	46	38
	DEFL. (L / 180)	213	140	99	73	56	45	36	30
	DEFL. (L / 240)	213	140	99	73	56	45	36	30
<b>4</b>	LIVE	200	132	93	69	53	42	34	28
	NEGATIVE WIND	258	172	123	92	71	56	46	38
	DEFL. (L / 180)	200	132	93	69	53	42	34	28
	DEFL. (L / 240)	200	132	93	69	53	42	34	28

- Notes:
1. Loads have NOT been increased by 1/3.
  2. Span lengths are assumed to be equal.
  3. Self weight of panel has not been deducted from tabular values.
  4. Both Wind and Live "Load Type" values have considered combined bending and shear.
  5. Effects of web crippling and fastener/support connection have not been considered..
  6. All values have been calculated in accordance with the 2007 North American Specification for the Design of Cold-Formed Steel Structural Members.
  7. Deflection values are capped at the Live load value.