



Mesa

Bare Galvalume



SECTION PROPERTIES				TOP IN COMPRESSION			BOTTOM IN COMPRESSION		
GAUGE	FY (KSI)	WEIGHT (PSF)	V _a kip/ft.	I _x (in. ⁴ /ft.)	S _e (in. ³ /ft.)	M _a kip-in./ft.	I _x (in. ⁴ /ft.)	S _e (in. ³ /ft.)	M _a kip-in./ft.
29	80.0	0.66	0.3720	0.0090	0.0156	0.5590	0.0070	0.0299	0.5160

1. Section properties are calculated with the 2001 AISI North American Specification for the Design of Cold-Formed Steel Structural Members.
2. V_a is the allowable shear.
3. I_x is for deflection determination.
4. S_e is for bending.
5. M_a is the allowable bending moment.
6. All values are for one foot of panel width.

Allowable Uniform Loads (PSF)

Span Type	Load Type	Span in Feet															
		1.50	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	7.50	8.00	8.50	9.00
Single	Positive Wind	165	93	59	41	30	23	18	14	12	10	8	7	6	5	5	4
	Negative Wind	152	86	55	38	28	21	16	13	11	9	8	7	6	5	4	4
	Live	165	93	59	41	30	23	18	14	12	10	8	7	6	5	5	4
	Deflection (L/180)	233	98	50	29	18	12	8	6	4	3	2	2	1	1	1	1
	Deflection (L/240)	174	73	37	21	13	9	6	4	3	2	2	1	1	1	0	0
2 Span	Positive Wind	142	82	53	37	27	21	16	13	11	9	8	6	6	5	4	4
	Negative Wind	152	88	57	40	29	23	18	14	12	10	8	7	6	5	5	4
	Live	142	82	53	37	27	21	16	13	11	9	8	6	6	5	4	4
	Deflection (L/180)	499	210	107	62	39	26	18	13	10	7	6	4	3	3	2	2
	Deflection (L/240)	374	157	80	46	29	19	13	10	7	5	4	3	2	2	2	1
3 Span	Positive Wind	173	101	66	46	34	26	20	17	14	11	10	8	7	6	5	5
	Negative Wind	185	109	71	50	37	28	22	18	15	12	10	9	8	7	6	5
	Live	173	101	66	46	34	26	20	17	14	11	10	8	7	6	5	5
	Deflection (L/180)	390	164	84	48	30	20	14	10	7	6	4	3	3	2	2	1
	Deflection (L/240)	293	123	63	36	23	15	10	7	5	4	3	2	2	1	1	1
4 Span	Positive Wind	163	95	62	43	32	24	19	15	13	11	9	8	7	6	5	4
	Negative Wind	174	102	66	47	34	26	21	17	14	11	10	8	7	6	5	5
	Live	163	95	62	43	32	24	19	15	13	11	9	8	7	6	5	4
	Deflection (L/180)	415	175	89	51	32	21	15	11	8	6	5	4	3	2	2	1
	Deflection (L/240)	311	131	67	38	24	16	11	8	6	4	3	3	2	2	1	1

Notes:

1. Allowable uniform loads are based upon equal span lengths.
2. Positive Wind is wind pressure and is **NOT** increased by 33 1/3 %.
3. Negative Wind is wind suction or uplift and is **NOT** increased by 33 1/3%.
4. Live is the allowable live or snow load.
5. Deflection (L/180) is the allowable load that limits the panel's deflection to L/180 while under positive or live load.
6. Deflection (L/240) is the allowable load that limits the panel's deflection to L/240 while under positive or live load.
7. The weight of the panel has **NOT** been deducted from the allowable loads.
8. Positive Wind, Negative Wind, and Live Load values are limited to combined shear & bending using Eq. C3.3.1-1 of the AISI Specification.
9. Web crippling has **NOT** been checked for this panel.
10. Load Tables are limited to a maximum allowable load of 500 psf.