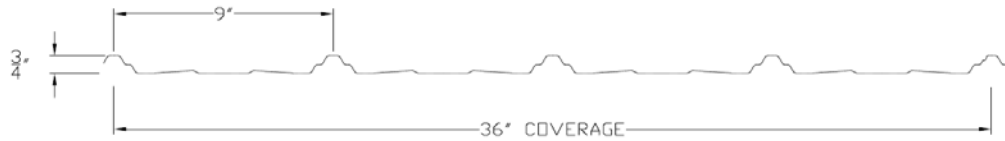




Mesa

Bare Galvalume & Painted 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.
26	50.0	0.87	0.4030	0.0120	0.0204	0.6200	0.0100	0.0474	0.5800

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 in Feet															
Span Type	Load Type	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	183	103	66	45	33	25	20	16	13	11	9	8	7	6	5	5
	Negative Wind	171	96	61	42	31	24	19	15	12	10	9	7	6	6	5	4
	Live	183	103	66	45	33	25	20	16	13	11	9	8	7	6	5	5
	Deflection (L/180)	310	131	67	38	24	16	11	8	6	4	3	3	2	2	1	1
	Deflection (L/240)	233	98	50	29	18	12	8	6	4	3	2	2	1	1	1	1
2 Span	Positive Wind	159	92	60	42	31	23	18	15	12	10	9	7	6	6	5	4
	Negative Wind	168	98	64	44	33	25	20	16	13	11	9	8	7	6	5	5
	Live	159	92	60	42	31	23	18	15	12	10	9	7	6	6	5	4
	Deflection (L/180)	500	289	148	85	54	36	25	18	13	10	8	6	5	4	3	3
	Deflection (L/240)	500	217	111	64	40	27	19	13	10	8	6	5	4	3	2	2
3 Span	Positive Wind	193	113	74	52	38	29	23	19	15	13	11	9	8	7	6	5
	Negative Wind	204	120	79	55	41	31	25	20	16	14	12	10	9	8	7	6
	Live	193	113	74	52	38	29	23	19	15	13	11	9	8	7	6	5
	Deflection (L/180)	500	226	116	67	42	28	19	14	10	8	6	5	4	3	2	2
	Deflection (L/240)	403	170	87	50	31	21	14	10	8	6	4	3	3	2	2	1
4 Span	Positive Wind	182	106	69	48	36	27	22	17	14	12	10	9	7	7	6	5
	Negative Wind	192	113	74	52	38	29	23	19	15	13	11	9	8	7	6	5
	Live	182	106	69	48	36	27	22	17	14	12	10	9	7	7	6	5
	Deflection (L/180)	500	240	123	71	44	30	21	15	11	8	7	5	4	3	3	2
	Deflection (L/240)	428	180	92	53	33	22	15	11	8	6	5	4	3	2	2	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.