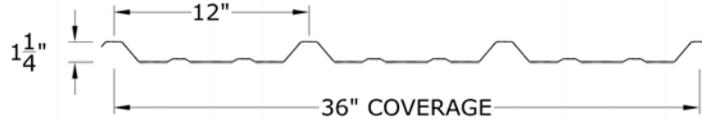




R-Panel

(Bare Galvalume)



SECTION PROPERTIES						TOP IN COMPRESSION			BOTTOM IN COMPRESSION		
GAUGE	FY (KSI)	WEIGHT (PSF)	V _a kip/ft.	P _{a_end} lbs/ft.	P _{a_int} lbs/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	80.0	0.85	0.4523	159.87	244.93	0.0367	0.0366	1.3163	0.0297	0.0504	1.5797

1. Section properties are calculated in accordance with the 2004 AISI North American Specification for the Design of Cold-Formed Steel Structural Members.
2. V_a is the allowable shear.
3. P_a is the allowable load for web crippling on end & interior supports.
4. I_x is for deflection determination.
5. S_e is for bending.
6. M_a is the allowable bending moment.
7. 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	390	219	140	97	71	54	43	35	29	24	20	17	15	13	12	10
	Negative Wind	468	263	168	117	85	65	52	42	34	29	24	21	18	16	14	13
	Live	390	219	140	97	71	54	43	35	29	24	20	17	15	13	12	10
	Deflection (L/180)	500	400	205	118	74	50	35	25	19	14	11	9	7	6	5	4
	Deflection (L/240)	500	300	153	89	56	37	26	19	14	11	8	7	5	4	3	3
2 Span	Positive Wind	335	212	145	105	79	61	49	40	33	28	24	21	18	16	14	12
	Negative Wind	303	187	126	90	67	52	41	34	28	23	20	17	15	13	12	10
	Live	335	212	145	105	79	61	49	40	33	28	24	21	18	16	14	12
	Deflection (L/180)	500	500	447	258	163	109	76	55	42	32	25	20	16	13	11	9
	Deflection (L/240)	500	500	335	194	122	81	57	41	31	24	19	15	12	10	8	7
3 Span	Positive Wind	381	247	172	126	96	75	60	49	41	35	30	26	22	20	17	15
	Negative Wind	349	221	151	109	82	64	51	42	35	29	25	21	19	16	14	13
	Live	381	247	172	126	96	75	60	49	41	35	30	26	22	20	17	15
	Deflection (L/180)	500	500	350	202	127	85	60	43	32	25	19	15	12	10	8	7
	Deflection (L/240)	500	500	262	152	95	64	45	32	24	19	14	11	9	8	6	5
4 Span	Positive Wind	367	236	164	119	90	70	56	46	38	32	28	24	21	18	16	14
	Negative Wind	335	210	143	103	77	60	48	39	32	27	23	20	17	15	13	12
	Live	367	236	164	119	90	70	56	46	38	32	28	24	21	18	16	14
	Deflection (L/180)	500	500	372	215	135	90	63	46	34	26	21	16	13	11	9	7
	Deflection (L/240)	500	500	279	161	101	68	47	34	26	20	15	12	10	8	7	5

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. Positive Wind and Live Load values are limited by web crippling using a bearing length of 2".
10. Web crippling values are determined using a ratio of the uniform load **actually** supported by the top flanges of the section.
11. Load Tables are limited to a maximum allowable load of 500 psf.