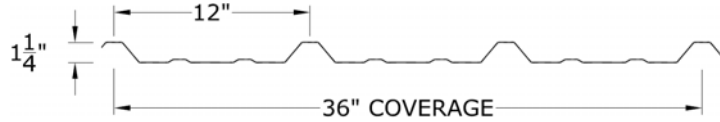




R-Panel PB

(Bare Galvalume & Painted 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	0.90	0.5750	196.70	301.70	0.0380	0.0378	1.4410	0.0320	0.0558	1.6640

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	426	240	153	106	78	60	47	38	31	26	22	19	17	15	13	11
	Negative Wind	493	277	177	123	90	69	54	44	36	30	26	22	19	17	15	13
	Live	426	240	153	106	78	60	47	38	31	26	22	19	17	15	13	11
	Deflection (L/180)	500	415	212	123	77	51	36	26	19	15	12	9	7	6	5	4
	Deflection (L/240)	500	311	159	92	58	38	27	19	14	11	9	7	5	4	4	3
2 Span	Positive Wind	384	237	159	114	85	66	52	43	35	30	25	22	19	17	15	13
	Negative Wind	350	212	141	100	75	58	46	37	31	26	22	19	16	14	13	11
	Live	384	237	159	114	85	66	52	43	35	30	25	22	19	17	15	13
	Deflection (L/180)	500	500	471	272	171	115	80	58	44	34	26	21	17	14	11	10
	Deflection (L/240)	500	500	353	204	128	86	60	44	33	25	20	16	13	10	8	7
3 Span	Positive Wind	443	280	192	138	104	81	65	53	44	37	32	27	24	21	18	16
	Negative Wind	409	254	171	123	92	71	57	46	38	32	27	24	21	18	16	14
	Live	443	280	192	138	104	81	65	53	44	37	32	27	24	21	18	16
	Deflection (L/180)	500	500	369	213	134	90	63	46	34	26	21	16	13	11	9	7
	Deflection (L/240)	500	500	277	160	100	67	47	34	26	20	15	12	10	8	7	5
4 Span	Positive Wind	425	267	181	130	98	76	61	49	41	35	29	25	22	19	17	15
	Negative Wind	391	241	162	115	86	67	53	43	36	30	26	22	19	17	15	13
	Live	425	267	181	130	98	76	61	49	41	35	29	25	22	19	17	15
	Deflection (L/180)	500	500	392	226	142	95	67	49	36	28	22	17	14	11	9	8
	Deflection (L/240)	500	500	294	170	107	71	50	36	27	21	16	13	10	8	7	6

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.