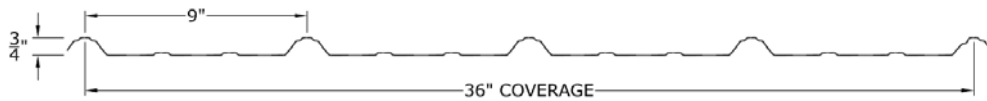




PF-9-36

(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	50.0	0.86	0.4330	241.20	325.00	0.0130	0.0215	0.6450	0.0080	0.0253	0.5510

1. Section properties are calculated in accordance with the 2001 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	191	107	68	47	35	26	21	17	14	11	10	8	7	6	5	5
	Negative Wind	163	91	58	40	29	22	18	14	12	10	8	7	6	5	5	4
	Live	191	107	68	47	35	26	21	17	14	11	10	8	7	6	5	5
	Deflection (L/180)	336	142	72	42	26	17	12	9	6	5	4	3	2	2	1	1
	Deflection (L/240)	252	106	54	31	19	13	9	6	5	3	3	2	2	1	1	1
2 Span	Positive Wind	153	88	57	40	29	22	18	14	12	10	8	7	6	5	5	4
	Negative Wind	176	102	66	46	34	26	21	17	14	11	10	8	7	6	5	5
	Live	153	88	57	40	29	22	18	14	12	10	8	7	6	5	5	4
	Deflection (L/180)	500	276	141	81	51	34	24	17	13	10	8	6	5	4	3	3
	Deflection (L/240)	491	207	106	61	38	25	18	13	9	7	6	4	3	3	2	2
3 Span	Positive Wind	187	109	71	49	36	28	22	18	15	12	10	9	8	7	6	5
	Negative Wind	213	125	82	57	42	33	26	21	17	14	12	10	9	8	7	6
	Live	187	109	71	49	36	28	22	18	15	12	10	9	8	7	6	5
	Deflection (L/180)	500	216	110	64	40	27	19	13	10	8	6	5	4	3	2	2
	Deflection (L/240)	384	162	83	48	30	20	14	10	7	6	4	3	3	2	2	1
4 Span	Positive Wind	176	102	66	46	34	26	20	17	14	11	10	8	7	6	5	5
	Negative Wind	201	118	77	54	40	30	24	19	16	13	11	10	8	7	6	6
	Live	176	102	66	46	34	26	20	17	14	11	10	8	7	6	5	5
	Deflection (L/180)	500	229	117	68	42	28	20	14	11	8	6	5	4	3	2	2
	Deflection (L/240)	408	172	88	51	32	21	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. 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.