



TECHNICAL BULLETIN

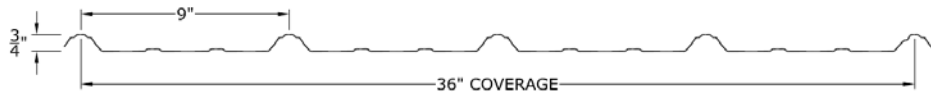
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No. 07-194-06

Max-Rib

(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.
24	50.0	1.08	0.5460	368.10	509.10	0.0160	0.0273	0.8650	0.0110	0.0355	0.7110

- Section properties are calculated in accordance with the 2001 AISI North American Specification for the Design of Cold-Formed Steel Structural Members.
- V_a is the allowable shear.
- P_a is the allowable load for web crippling on end & interior supports.
- I_x is for deflection determination.
- S_e is for bending.
- M_a is the allowable bending moment.
- 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	256	144	92	64	47	36	28	23	19	16	13	11	10	9	7	7
	Negative Wind	210	118	75	52	38	29	23	18	15	13	11	9	8	7	6	5
	Live	256	144	92	64	47	36	28	23	19	16	13	11	10	9	7	7
	Deflection (L/180)	414	174	89	51	32	21	15	11	8	6	5	4	3	2	2	1
	Deflection (L/240)	310	131	67	38	24	16	11	8	6	4	3	3	2	2	1	1
2 Span	Positive Wind	198	114	74	51	38	29	23	18	15	13	11	9	8	7	6	5
	Negative Wind	234	136	89	62	46	35	28	22	18	15	13	11	10	8	7	7
	Live	198	114	74	51	38	29	23	18	15	13	11	9	8	7	6	5
	Deflection (L/180)	500	355	181	105	66	44	31	22	17	13	10	8	6	5	4	3
	Deflection (L/240)	500	266	136	78	49	33	23	17	12	9	7	6	5	4	3	2
3 Span	Positive Wind	241	140	91	64	47	36	28	23	19	16	13	12	10	9	8	7
	Negative Wind	283	167	109	77	57	44	35	28	23	19	16	14	12	11	9	8
	Live	241	140	91	64	47	36	28	23	19	16	13	12	10	9	8	7
	Deflection (L/180)	500	278	142	82	51	34	24	17	13	10	8	6	5	4	3	3
	Deflection (L/240)	494	208	106	61	38	26	18	13	10	7	6	4	3	3	2	2
4 Span	Positive Wind	227	132	85	60	44	34	27	21	18	15	13	11	9	8	7	6
	Negative Wind	267	157	103	72	53	41	32	26	22	18	15	13	11	10	9	8
	Live	227	132	85	60	44	34	27	21	18	15	13	11	9	8	7	6
	Deflection (L/180)	500	295	151	87	55	36	25	18	14	10	8	6	5	4	3	3
	Deflection (L/240)	500	221	113	65	41	27	19	14	10	8	6	5	4	3	2	2

Notes:

- Allowable uniform loads are based upon equal span lengths.
- Positive Wind is wind pressure and is **NOT** increased by 33 1/3 %.
- Negative Wind is wind suction or uplift and is **NOT** increased by 33 1/3%.
- Live is the allowable live or snow load.
- Deflection (L/180) is the allowable load that limits the panel's deflection to L/180 while under positive or live load.
- Deflection (L/240) is the allowable load that limits the panel's deflection to L/240 while under positive or live load.
- The weight of the panel has **NOT** been deducted from the allowable loads.
- Positive Wind, Negative Wind, and Live Load values are limited to combined shear & bending using Eq. C3.3.1-1 of the AISI Specification.
- Positive Wind and Live Load values are limited by web crippling using a bearing length of 2".
- Web crippling values are determined using a ratio of the uniform load **actually** supported by the top flanges of the section.
- Load Tables are limited to a maximum allowable load of 500 psf.

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