



TECHNICAL BULLETIN

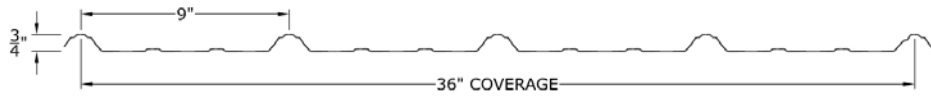
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No. 07-195-06

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	80.0	1.08	0.6550	441.90	610.80	0.0160	0.0273	0.9800	0.0100	0.0332	0.8430

- 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	290	163	104	72	53	40	32	26	21	18	15	13	11	10	9	8
	Negative Wind	249	140	89	62	45	35	27	22	18	15	13	11	9	8	7	6
	Live	290	163	104	72	53	40	32	26	21	18	15	13	11	10	9	8
	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	235	135	87	61	45	34	27	22	18	15	13	11	9	8	7	6
	Negative Wind	268	155	101	71	52	40	31	25	21	18	15	13	11	10	9	8
	Live	235	135	87	61	45	34	27	22	18	15	13	11	9	8	7	6
	Deflection (L/180)	500	342	175	101	63	42	30	21	16	12	9	7	6	5	4	3
	Deflection (L/240)	500	256	131	76	47	32	22	16	12	9	7	5	4	4	3	2
3 Span	Positive Wind	286	167	108	76	56	43	34	27	23	19	16	14	12	10	9	8
	Negative Wind	324	191	125	88	65	50	39	32	26	22	19	16	14	12	11	10
	Live	286	167	108	76	56	43	34	27	23	19	16	14	12	10	9	8
	Deflection (L/180)	500	268	137	79	50	33	23	17	12	9	7	6	5	4	3	2
	Deflection (L/240)	476	201	102	59	37	25	17	12	9	7	5	4	3	3	2	2
4 Span	Positive Wind	270	156	101	71	52	40	32	26	21	18	15	13	11	10	9	8
	Negative Wind	306	179	117	82	60	46	37	30	24	21	17	15	13	11	10	9
	Live	270	156	101	71	52	40	32	26	21	18	15	13	11	10	9	8
	Deflection (L/180)	500	284	145	84	53	35	24	18	13	10	8	6	5	4	3	3
	Deflection (L/240)	500	213	109	63	39	26	18	13	10	7	6	4	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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