



R & M STEEL CO

P.O. Box 580
Caldwell, Idaho 83606

Phone: 1-208-454-1800

Toll Free: 1-866-454-1800

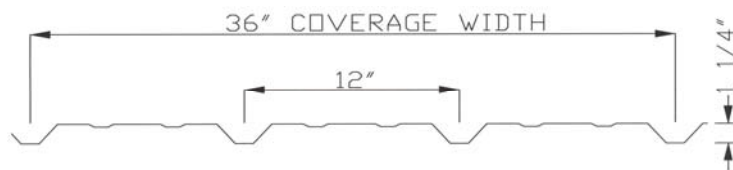
Fax: 1-208-454-1801

Toll Free: 1-866-454-1801

Email: sales.rmsteel@gmail.com

STEEL BUILDING COMPONENTS

WESTERN WALL



Material Specifications

Paint Finish: CERAM-A-STAR™ 1050
40-year SMP Paint System

Yield Strength: 80 KSI

Galvanized Steel: 26-gauge

Description

WESTERN WALL is a 36" net coverage steel box rib panel with 1-1/4" ribs at 12" on-center. This panel is designed for application on wall sub-structural members typically at 5' on-center.



STEEL BUILDING COMPONENTS

PANEL PROFILES

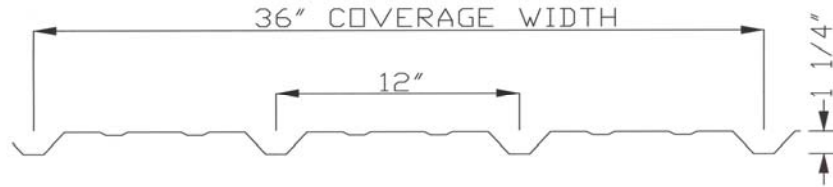
Thank you for your business.
To place an order, you may:

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Notes On Section Properties and Load Table

- Section properties and allowables are calculated in accordance with 1996 AISI Specifications.
- I +/- is for deflection determination.
- S +/- is for bending determination.
- M_a is allowable bending moment.
- All values are for one foot of panel width.
- These loads are for panel strength. Frames, purlins, fasteners and all supports must be designed to resist all loads imposed on the panel.
- Allowable outward loads based on stress have been increased by 33.33% for wind uplift.
- Allowable loads for deflection are based on deflection limitation of span/180.
- For roof panels, self weight of the panel has to be deducted from the allowable inward load to arrive at the actual "live load" carrying capacity of the panel.
- Minimum bearing length must be checked.
- Minimum deliverable bare steel thickness should not be less than 0.95 of design thickness.
- Theoretical allowable loads are based on uniform span lengths.
- LL (S) is allowable live load based on stress limitation of L/180.
- WL is allowable wind load and has been increased by 33-1/3%.



Section Properties 36" Wide, R & M STEEL CO WESTERN WALL									
Gauge	Thickness (in.)	Weight (psf)	Yield Stress (ksi)	Top in Compression (Positive Bending)			Bottom in Compression (Negative Bending)		
				I_{xx}	S_{xx}	M_a	I_{xx}	S_{xx}	M_a
				In ⁴ /ft.	In ³ /ft.	In.kips/ft.	In ⁴ /ft.	In ³ /ft.	In.kips/ft.
29	.015	.736	80.0	.022	.034	1.230	.019	.028	1.021
26	.019	.932	80.0	.028	.044	1.583	.025	.038	1.379
24	.024	1.176	80.0	.037	.056	1.668	.033	.052	1.556

Span (ft.)	Single Span Condition								
	29-Gauge & 80 ksi			26-Gauge & 80 ksi			24-Gauge & 80 ksi		
	LL (S) (psf)	LL (D) (psf)	WL (psf)	LL (S) (psf)	LL (D) (psf)	WL (psf)	LL (S) (psf)	LL (D) (psf)	WL (psf)
3	91	70	101	117	92	136	124	119	153
4	51	30	57	66	39	76	69	50	86
5	33	15	36	42	20	49	44	26	55
6	23	9	25	29	11	34	31	15	38
7	17	6	18	22	7	25	23	9	28
8	13	4	14	16	5	19	17	6	22

Span (ft.)	Two Span Condition								
	29-Gauge & 80 ksi			26-Gauge & 80 ksi			24-Gauge & 80 ksi		
	LL (S) (psf)	LL (D) (psf)	WL (psf)	LL (S) (psf)	LL (D) (psf)	WL (psf)	LL (S) (psf)	LL (D) (psf)	WL (psf)
3	76	76	121	102	102	156	115	115	164
4	43	39	68	57	50	88	65	65	92
5	27	20	44	37	26	56	41	33	59
6	19	11	30	26	15	39	29	19	41
7	14	7	22	19	9	29	21	12	30
8	11	5	17	14	6	22	16	8	23

Span (ft.)	Three or More Span Condition								
	29-Gauge & 80 ksi			26-Gauge & 80 ksi			24-Gauge & 80 ksi		
	LL (S) (psf)	LL (D) (psf)	WL (psf)	LL (S) (psf)	LL (D) (psf)	WL (psf)	LL (S) (psf)	LL (D) (psf)	WL (psf)
3	88	88	142	119	119	182	135	135	192
4	50	50	80	67	67	102	76	76	108
5	32	29	51	43	37	66	48	48	69
6	22	17	35	30	22	46	34	28	48
7	16	10	26	22	14	33	25	18	35
8	12	7	20	17	9	26	19	12	27



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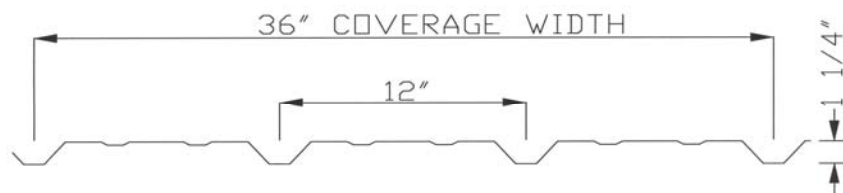
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WESTERN WALL is a 36" net coverage, thru-fastener panel.

