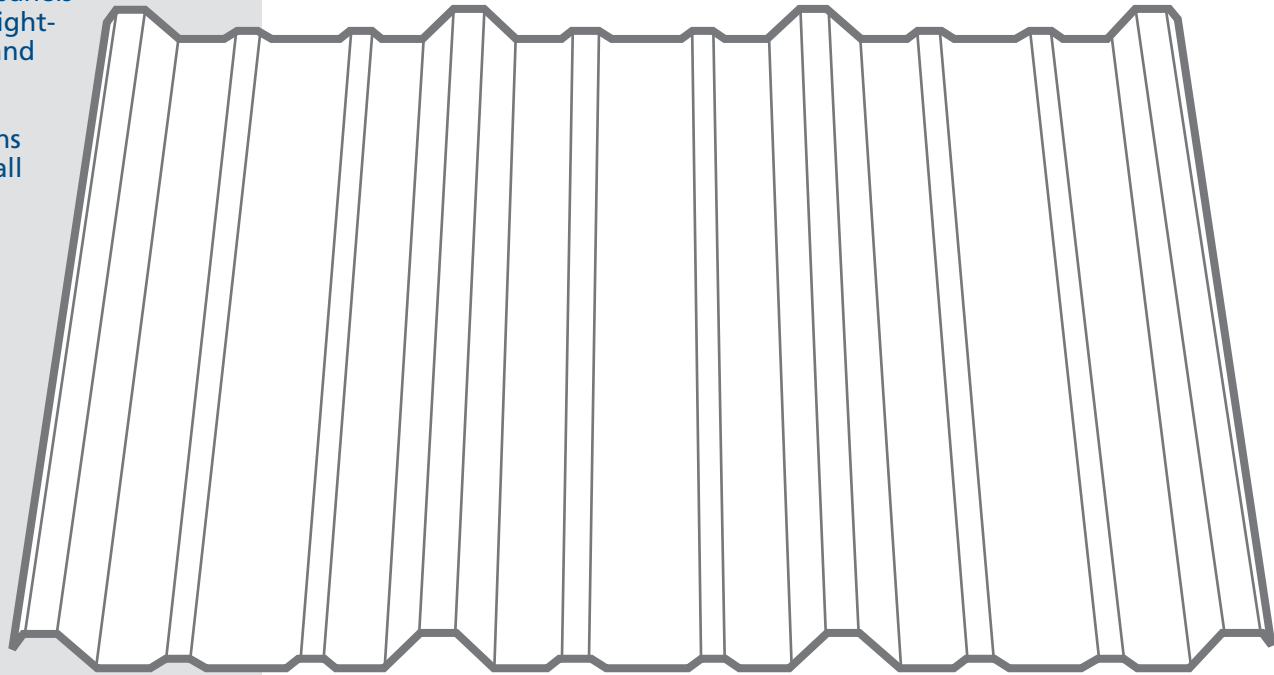




The R- & PBR-panels are excellent light-duty roofing and siding panels, allowing for maximum spans in roof and wall application due to 12" rib spacing.

## R- & PBR-PANEL



### Features:

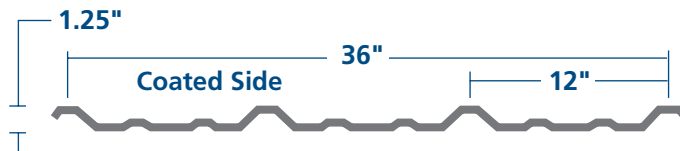
- Available in 36" coverage with 1 1/4" high ribs.
- Ideal for self-storage, commercial/industrial wall applications, equipment screens, agricultural and residential construction.
- Purlin bearing leg option for roofing application.
- Reversed run profiles for wall applications make an attractive shadow panel.
- R-panel is available in a wide variety of colors and finishes.
- Matching Galvalume® pre-painted finishes are available for flashings and flat stock.
- Color match fasteners are self-sealing and available for wood and steel applications.
- Panel lengths up to 50 feet are available to minimize laps at no extra charge.
- Galvalume® and pre-painted material warranties are available up to 20 years.

### Panel Section Properties

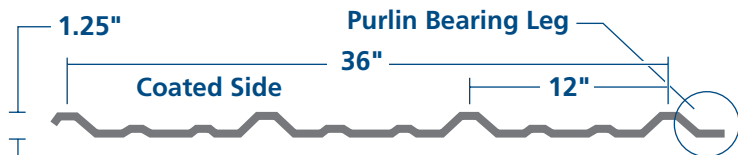
GA.	THICK. (in.)	F <sub>y</sub> (KSI)	WT. (PSF)	TOP IN COMPRESSION			BOTTOM IN COMPRESSION		
				I <sub>x</sub> (in <sup>4</sup> /ft)	S <sub>x</sub> (in <sup>3</sup> /ft)	M <sub>a</sub> (in-k/ft)	I <sub>x</sub> (in <sup>4</sup> /ft)	S <sub>x</sub> (in <sup>3</sup> /ft)	M <sub>a</sub> (in-k/ft)
29	0.0135	80	0.66	0.0253	0.0212	0.76	0.0235	0.0281	1.01
26	0.0179	80	0.87	0.0388	0.0336	1.21	0.0354	0.0391	1.40
24	0.0239	50	1.16	0.0546	0.0519	1.55	0.0526	0.0546	1.63
22	0.0299	50	1.43	0.0723	0.0722	2.16	0.0467	0.0607	1.82

- NOTES: 1. Values are based on the American Iron and Steel Institute (AISI) "Specification for the Design of Cold-Formed Steel Structural Members" (1986 edition, with 1989 Addendum).  
 2. I<sub>x</sub> is for deflection determination.  
 3. S<sub>x</sub> is for bending.  
 4. M<sub>a</sub> is allowable bending moment.  
 5. All values are for one foot of panel width.

### R-Panel:



### PBR-Panel:



## R-PANEL & PBR-PANEL ALLOWABLE SPAN (Ft.)

PANEL GAUGE	SPAN CONDITION		DEAD + LIVE LOADING LOAD (PSF)				WIND UPLIFT LOADING LOAD (PSF)			
			20	30	40	50	20	30	40	50
29	SS	f	5.0	4.1	3.5	3.2	6.8	5.5	4.8	4.3
		L/180	4.8	4.2	3.8	3.5	4.7	4.1	3.7	3.4
	DS	f	5.7	4.7	4.1	3.6	5.9	4.8	4.1	3.7
		L/180	6.4	5.6	5.0	4.7	6.4	5.6	5.0	4.7
	TS	f	6.2	5.1	4.4	3.9	6.4	5.2	4.5	4.0
		L/180	5.9	5.1	4.7	4.3	5.9	5.1	4.7	4.3
26	SS	f	6.2	5.1	4.4	4.0	8.1	6.5	5.6	5.0
		L/180	5.5	4.8	4.4	4.1	5.4	4.7	4.3	4.0
	DS	f	6.7	5.5	4.8	4.3	7.5	6.1	5.2	4.7
		L/180	7.3	6.4	5.8	5.4	7.3	6.4	5.8	5.4
	TS	f	7.2	6.0	5.2	4.6	8.1	6.6	5.7	5.1
		L/180	6.7	5.9	5.3	5.0	6.7	5.9	5.3	5.0
24	SS	f	7.0	5.8	5.0	4.5	8.8	7.1	6.1	5.5
		L/180	6.2	5.4	4.9	4.6	6.1	5.4	4.9	4.5
	DS	f	7.2	5.9	5.1	4.6	8.6	6.9	6.0	5.3
		L/180	8.3	7.2	6.6	6.1	8.3	7.2	6.6	6.1
	TS	f	7.8	6.4	5.6	5.0	9.3	7.5	6.4	5.7
		L/180	7.6	6.7	6.0	5.6	7.6	6.7	6.0	5.6
22	SS	f	8.2	6.8	5.9	5.3	9.3	7.5	6.5	5.8
		L/180	6.8	5.9	5.4	5.0	5.9	5.1	4.7	4.3
	DS	f	7.5	6.2	5.4	4.9	10.2	8.2	7.1	6.3
		L/180	8.6	7.5	6.8	6.3	8.6	7.5	6.8	6.3
	TS	f	8.1	6.7	5.8	5.2	11.0	8.9	7.6	6.8
		L/180	7.9	6.9	6.3	5.8	7.9	6.9	6.3	5.8

## R-PANEL & PBR-PANEL ALLOWABLE LOAD (PSF)

PANEL GAUGE	SPAN CONDITION		DEAD + LIVE LOADING SPAN					WIND UPLIFT LOADING SPAN				
			4'-0"	5'-0"	6'-0"	7'-0"	8'-0"	4'-0"	5'-0"	6'-0"	7'-0"	8'-0"
29	SS	f	31	20	13	10	7	57	37	26	19	15
		L/180	35	18	10	6	4	32	16	9	6	4
	DS	f	41	26	18	13	10	43	28	19	14	11
		L/180	80	41	24	15	10	80	41	24	15	10
	TS	f	48	31	21	15	12	50	32	23	17	13
		L/180	63	32	19	12	8	63	32	19	12	8
26	SS	f	49	31	21	16	12	79	51	36	26	20
		L/180	53	27	16	10	7	48	25	14	9	6
	DS	f	58	37	25	18	14	68	44	31	23	18
		L/180	122	62	36	23	15	122	62	36	23	15
	TS	f	67	43	30	21	16	79	51	36	26	20
		L/180	96	49	28	18	12	96	49	28	18	12
24	SS	f	64	40	28	20	15	92	59	42	31	24
		L/180	74	38	22	14	9	72	37	21	13	9
	DS	f	67	42	29	21	16	87	56	40	29	23
		L/180	176	90	52	33	22	176	90	52	33	22
	TS	f	78	50	34	25	19	102	66	46	34	26
		L/180	138	71	41	26	17	138	71	41	26	17
22	SS	f	89	56	39	28	21	102	66	46	34	27
		L/180	99	51	29	18	12	64	33	19	12	8
	DS	f	74	47	32	23	18	122	78	55	41	31
		L/180	196	100	58	36	24	196	100	58	36	24
	TS	f	87	55	38	27	21	142	91	64	47	37
		L/180	153	78	45	29	19	153	78	45	29	19

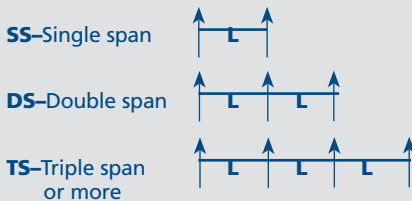
### Loading Table Legend

f-load limited by flexural bending stress

L-Span

L/xxx-Load limited by deflection

### Support TYP



- Notes:
- 29 and 26 GA steel conforms to ASTM A792 Grade E (Fy = 80 ksi).
  - 24 and 22 GA steel conforms to ASTM A792 Grade D (Fy = 50 ksi).
  - Values are based on the American Iron and Steel Institute (AISI) "Specification for the Design of Cold-Formed Steel Structural Members" (1986 edition, with 1989 Addendum).
  - For wind loading, allowable stresses above have been increased 33 1/3%.
  - Properties and load tables are for the panel alone. The capacity of fasteners is not included.
  - Load table values do not include web crippling requirements.



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