Berridge Flush Seam Panel Load Chart

OPEN FRAMING



Flush Seam Panel Section Properties Based on 24 Gauge 40 K.S.I.			
	DL_X (in^4/ft)	M_A (ft*lbs/ft)	V_A (lbs)
Positive Bending	0.01206	79.8	516
Negative Bending	0.01323	64.8	516

NOTES:

1) Values based on 1996 edition of AISI and good engineering practice.

Recommended Load in PSF Panel Weight = 1.4 psf						
Span (ft)	Net Vertical Live Load			Net Vertical Wind Uplift		
	1-Span	2-Span	3-Span	1-Span	2-Span	3-Span
2'-6"	90	90	90	83	90	90
2'-8"	83	90	90	73	90	90
3'-0"	58	75	87	58	90	60
3'-6"	35	55	65	40	68	76d
4'-0"	25	42	47d	27	52	51d
4'-6"	17	34	32d	19	41	36d
5'-0"	12	27d	24d	12	33	26d
5'-6"		22d	18d		25d	20d
6'-0"		17d	14d		19d	15d

Notes:

1) All loads meet L/240 Deflection Criteria. (d) Deflection governs allowables.
2) Wind Load Allowable Stresses increased by 33%
3) Values based on 1996 edition of AISI and good engineering practice.
4) Evaluation of fastener pull-out is required with the use of this chart.

Open Framing on 24 ga Steel Support (Galvalume Substrate)					
Gauge of Panel	Spacing (in)	Fastener	Fastener Quantity	Allowable (psf)	Ultimate (psf)
24	24	#10 Pancake SD	1	121	242.00

NOTES:

1) For use with 3 or more spans.
2) All test results determined through ASTM E330 testing standards.

BERRIDGE
Roofs of Distinction

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All information subject to change without notice. See website for details, specifications and Watertightness Warranty requirements.
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