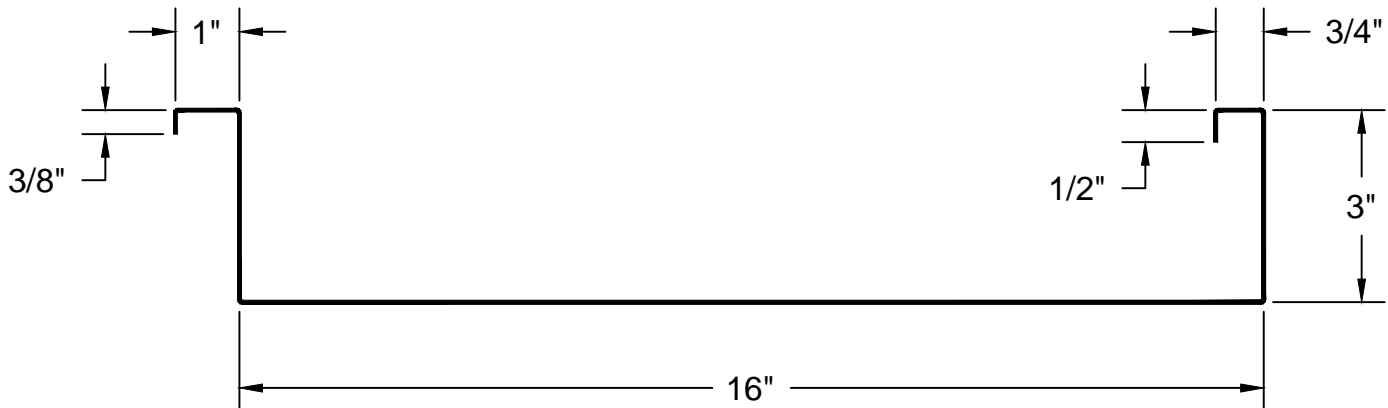


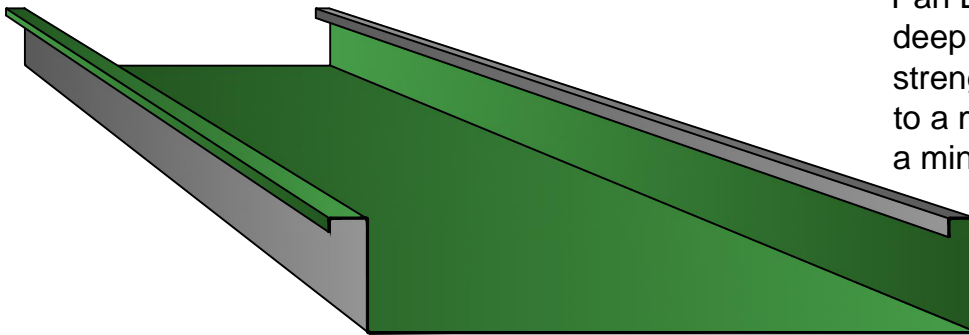
DISCOUNT METAL PANELS, INC.

PRODUCT PROFILE

PAN DECK



Pan Deck is made in 16" widths, 3" deep in lengths to 30'-0", in high strength galvanized steel conforming to a minimum yield of 37,000 psi and a minimum tensile of 52,000 psi.



- Finishes: Kynar 500 (PVDF), MS Colorfast30®, and Acrylic Coated Galvalume®
- Gauges: 22, 20, 18
- 16" panel coverage, 3" seam profile
- Applies over open framing or solid substrate
- Hidden or exposed fastened metal building panel
- Minimum roof slope: 1/4:12 or 0:12 for awning applications

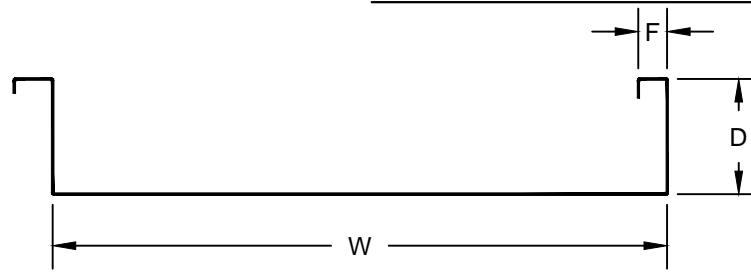
Section Properties							Allowable Uniform Live Loads PSF ¹²³⁴											
GA.	Width (in.)	Weight PSF	In Tension ¹		In Compression ¹		Ribs in Tension ²⁴						Ribs in Compression ³					
			I _{xx} In ⁴ /ft	S _{xx} In ³ /ft	I _{xx} In ⁴ /ft	S _{xx} In ³ /ft	5'	7'	9'	11'	13'	15'	5'	7'	9'	11'	13'	15'
22	16"	2.08	0.3500	0.2440	0.7790	0.3450	107	55	33	22	16	12	124	63	38	25	18	13
20	16"	2.44	0.4200	0.2880	0.9140	0.4100	140	71	43	29	21	16	195	100	60	40	29	21
18	16"	3.18	0.5690	0.3720	1.2270	0.5450	197	101	61	41	29	22	290	148	89	60	43	32

1. Theoretical section properties have been calculated per AISI 1996. "Specificationa for the design of cold formed steel members." I_{xx} and S_{xx} are effective section properties for deflection and bending.
2. Tabulated loads are allowable loads calculated in accordance with good engineering practices and with AISI 1996 specifications for bending stresses. Panel weight has not been subtracted from allowable gravity loads. Allowable load does not address web crippling requirement, or fasteners/support connection.
3. Allowable loads are calculated in accordance with AISI 1996 specifications, and have been increased by 33²/₃% for wind uplift. Contact Metal Sales Technical Services Department for more information.
4. Deflection consideration is limited by a maximum deflection ratio of L/180 of span.

DISCOUNT METAL PANELS, INC.

PRODUCT PROFILE

PAN DECK



Allowable Uniform Loads for Simple Spans

Section Properties							Load in Feet										*Maximum Interior Reaction
Panel Size				WT./ Lin. Ft.	I ⁴	S ³	Load Applied to Flat Side										
D	W	F	GA				6	8	10	12	14	16	18	20	22	24	
2"	18"	1"	22	2.82	0.097	0.091	33	19	12	8.5							445
			20	3.32	0.125	0.122	45	25	16	11							650
			18	4.40	0.187	0.183	68	38	24	17							1110
3"	16"	1"	22	2.82	0.300	0.185	65	37	23/18	15/10							535
			20	3.32	0.386	0.246	89	49	31/24	21/18	15/7						765
			18	4.40	0.566	0.382	139	76	48/35	32/19	23/11						1310
4 1/2"	12"	1 1/2"	22	2.82	1.170	0.460			59	40	29/26	22/17	17/11				675
			20	3.32	1.490	0.600			77	53	38/33	28/21	22/14	17/9			1170
			18	4.40	2.180	0.920			118	81	58/49	44/31	34/21	27/14	21/10		1800
Panel Size				WT./ Lin. Ft.	I ⁴	S ³	Load Applied to Rib Side										
D	W	F	GA				6	8	10	12	14	16	18	20	22	24	
2"	18"	1"	22	2.82	0.215	0.135	50	28	18	12							445
			20	3.32	0.258	0.161	60	33	21	15							650
			18	4.40	0.344	0.215	79	45	28	20							1110
3"	16"	1"	22	2.82	0.650	0.284	65	48	36	24	17/14	13/9					535
			20	3.32	0.780	0.340	98	69	43	29	21/17	16/10					765
			18	4.40	1.050	0.455	164	93	59	40	28	21/14	16/9				1310
4 1/2"	12"	1 1/2"	22	2.82	2.220	0.740			84	66	48	36/34	28/23	23/16	18/12		675
			20	3.32	2.730	0.910			118	81	59	45/41	35/28	28/20	22/14	18/10	1170
			18	4.40	3.740	1.260			164	112	82	62/57	48/39	38/27	31/19	25/14	1800

Notes Pertaining to Use of Tables

1. Loads shown in lbs./Sq. Ft. are superimposed loads based on $M - \frac{WL^2}{8}$ and $F_y = 33$ ksi (Yield) steel.
2. The larger values to the right of heavy lines result in deflection greater than L/240. For 3" and 4 1/2" deck, to limit deflection to L/240, use values under slant lines.
3. When decking is continuous over 2-spans, deflection can be ignored, but the capacity is then limited by values applied to the Flat Side.
4. When decking is continuous for 3 or more spans, the above loads applied to the Flat Side may increase by 50% providing the interior reactions do not exceed the values in the right hand column of the Table.
5. For concentrated loads, stiffen flats to transfer loads to ribs,

*Based on use of supporting member having a width equal to the panel rib depth.

www.discountmetalpanels.com

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