EM FW-120 Panel

12" Coverage

SECTION PROPERTIES								
			NEGATIVE BENDING			POSITIVE BENDING		
PANEL	Fy	WEIGHT	Ixe	Sxe	Maxo	Ixe	Sxe	Maxo
GAUGE	(KSI)	(PSF)	(IN.4/FT.)	(IN.3/FT.)	(KIP-IN.)	(IN.4/FT.)	(IN.3/FT.)	(KIP-IN.)
24	50	1.54	0.0987	0.0824	2.4685	0.0441	0.0511	1.5275
22	50	1.85	0.1316	0.1106	3.3125	0.0617	0.0738	2.2110

NOTES:

1) All calculations for the properties of NuWall® panels are calculated in accordance with the 2007 edition of the North American Specification For Design Of Cold-Formed Steel Structural Members.

2) Ixe is for deflection determination.

3) Sxe is for bending.

4) Maxo is allowable bending moment.

5) All values are for one foot of panel width.

6) This material is subject to change without notice. Please contact Exceptional® Metals at 1-800-248-0280 for the most current data.

The Engineering data contained herein is for the expressed use of customers and design professionals. Along with this data, it is recommended that the design professional have a copy of the most current version of the North American Specification for the Design of Cold-Formed Steel Structural Members published by the American Iron and Steel Institute to facilitate design. This Specification contains the design criteria for cold-formed steel components. Along with the Specification, the designer should reference the most current building code applicable to the project jobsite in order to determine environmental loads. If further information or guidance regarding cold-formed design practices is desired, please contact Exceptional Metals.

Duro-Last Issue Date: 4/9/2015

EM FW-120 Panel

12" Coverage

ALLOWABLE UNIFORM LOADS IN POUNDS PER SQUARE FOOT

24 Gauge (Fy = 50 KSI)								
SPAN TYPE	**LOAD TYPE**	**SPAN IN FEET**						
		3.0	**4.0**	**5.0**	**6.0**	**7.0**	**8.0**	**9.0**
SINGLE	**POSITIVE WIND LOAD**	113.1	63.6	40.7	26.8	16.9	11.3	7.9
2-SPAN	**POSITIVE WIND LOAD**	106.8	61.5	39.9	27.9	20.6	15.8	12.5
3-SPAN	**POSITIVE WIND LOAD**	130.3	75.9	49.4	34.6	25.6	19.6	15.0
4-SPAN	**POSITIVE WIND LOAD**	122.7	71.2	46.2	32.4	23.9	18.4	14.5

22 Gauge (Fy = 50 KSI)								
SPAN TYPE	**LOAD TYPE**	**SPAN IN FEET**						
		3.0	**4.0**	**5.0**	**6.0**	**7.0**	**8.0**	**9.0**
SINGLE	**POSITIVE WIND LOAD**	163.8	92.1	59.0	37.5	23.6	15.8	11.1
2-SPAN	**POSITIVE WIND LOAD**	152.3	88.3	57.4	40.2	29.7	22.8	18.0
3-SPAN	**POSITIVE WIND LOAD**	184.9	108.5	70.9	49.8	36.8	28.3	20.9
4-SPAN	**POSITIVE WIND LOAD**	174.4	101.9	66.4	46.6	34.5	26.5	21.0

NOTES:

1) THE ABOVE LOADS ARE NOT FOR USE WHEN DESIGNING PANELS TO RESIST WIND UPLIFT.

2) Allowable loads are based on uniform span lengths and Fy = 50 ksi.

3) POSITIVE WIND LOAD is limited by bending, shear, combined shear & bending, and web crippling.

4) POSITIVE WIND LOAD is limited by a maximum deflection ratio of L/120.

5) The weight of the panel has not been deducted from the allowable loads.

6) This material is subject to change without notice. Please contact Exceptional® Metals at 1-800-248-0280 for the most current data.

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