

GULF COAST SUPPLY & MFG, INC.

26 GA. PBR ROOF PANEL

ALLOWABLE UNIFORM LOADS IN POUNDS PER SQUARE FOOT PBR 26 Gauge (Fy = 80 KSI)

SPAN TYPE	LOAD TYPE	SPAN (FEET)								
		3.0	3.5	4.0	4.5	5.0	5.5	6.0	6.5	7.0
SINGLE	NEGATIVE WIND LOAD	92.4	64.1	43.0	30.2	22.0	16.5	12.7	10.0	8.0
	POSITIVE WIND/LIVE LOAD	68.3	50.2	35.8	25.1	18.3	13.8	10.6	8.3	6.7
2-SPAN	NEGATIVE WIND LOAD	68.3	50.2	38.4	30.4	24.6	20.3	17.1	14.5	12.5
	POSITIVE WIND/LIVE LOAD	67.2	49.6	38.1	30.1	24.4	20.2	17.0	14.5	12.5
3-SPAN	NEGATIVE WIND LOAD	85.4	62.7	48.0	37.9	30.7	25.4	21.3	18.2	15.1
	POSITIVE WIND/LIVE LOAD	83.5	61.7	47.4	37.6	30.5	25.2	20.0	15.7	12.6
4-SPAN	NEGATIVE WIND LOAD	79.7	58.6	44.8	35.4	40.0	23.7	19.9	17.0	14.6
	POSITIVE WIND/LIVE LOAD	78.1	57.7	44.3	35.1	28.5	23.6	19.8	16.7	13.4

NOTES:

- 1) Section properties and allowable loads were computed in accordance with the 2001 edition of the North American Specification For Design Of Cold-Formed Steel Structural Members.
- 2) Allowable loads are based on uniform span lengths, Material thickness = 0.0185", Design thickness = 0.0176", Fy = 80 ksi but reduced to 60 ksi for design per AISI.
- 3) LIVE LOAD is limited by bending, shear, combined shear & bending and web crippling and deflection of L/180.
- 4) NEGATIVE WIND LOAD is limited by bending, shear, combined shear and bending and deflection of L/180.
- 5) NEGATIVE WIND LOAD Deflection has been increased by 30% per FBC 2007 Table 1604.3.
- 6) NEGATIVE WIND LOAD does not consider fastener pullout & pullover. Connection to framing must be evaluated for fastener pullout & pullover.
- 7) The weight of the panel has not been deducted from the allowable loads.
- 8) Panel Rollformer: Metal Rollformer Systems
- 9) Panel Tested per ASTM E1592-01, 4 Spans @ 5'-0" by Force Engineering & Testing, Inc.
- 10) Load Table by Force Engineering & Testing, Inc.

State of Florida
C.O.A.
25778



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