

# MID FLORIDA METAL ROOFING & SUPPLY

## 26 GA. PBR ROOF PANEL

### ALLOWABLE UNIFORM LOADS IN POUNDS PER SQUARE FOOT

		26 Gauge PBR								
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	100.9	74.1	50.2	35.3	25.7	19.3	14.9	11.7	9.4
	POSITIVE WIND/LIVE LOAD	71.8	52.7	38.0	26.7	19.4	14.6	11.2	8.8	7.1
2-SPAN	NEGATIVE WIND LOAD	71.8	52.7	40.4	31.9	25.8	21.4	17.9	15.3	13.2
	POSITIVE WIND/LIVE LOAD	70.6	52.1	40.0	31.7	25.7	21.2	17.9	15.2	13.1
3-SPAN	NEGATIVE WIND LOAD	89.7	65.9	50.5	39.9	32.3	26.7	22.4	19.1	16.5
	POSITIVE WIND/LIVE LOAD	87.6	64.7	49.8	39.4	32.0	26.5	21.2	16.7	13.4
4-SPAN	NEGATIVE WIND LOAD	83.8	61.5	47.1	37.2	42.5	24.9	20.9	17.8	15.4
	POSITIVE WIND/LIVE LOAD	82.0	60.6	46.5	36.9	60.0	24.8	20.8	17.7	14.2

**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 = 0.019", Design thickness = 0.0181", 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 IBC 2003 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 Tested per ASTM E1592-01, 4 Spans @ 5'-0" by Force Engineering & Testing, Inc.
- 9) Load Table by Force Engineering & Testing, Inc.

