DIXIELAND METALS OF ALABAMA, LLC.

26 GA. PBR ROOF PANEL

ALLOWABLE UNIFORM LOADS IN POUNDS PER SQUARE FOOT

26 Gauge PBR										
SPAN TYPE	LOAD TYPE	SPAN IN FEET								
		3.0	3.5	4.0	4.5	5.0	5.5	6.0	6.5	7.0
SINGLE	NEGATIVE WIND LOAD	78.3	49.3	33.1	23.2	16.9	12.7	9.8	7.7	6.2
	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	47.5	24.0	18.5	14.5	11.6
	POSITIVE WIND/LIVE LOAD	83.5	61.7	47.4	37.6	60.0	25.2	20.0	15.7	12.6
4-SPAN	NEGATIVE WIND LOAD	79.7	58.6	44.8	35.4	28.7	23.7	19.6	15.4	12.4
	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 2007 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 does not consider fastener pullout & pullover. Connection to framing must be evaluated for fastener pullout & pullover.
6) The weight of the panel has not been deducted from the allowable loads.
7) Panel Tested per ASTM E1592-01, Report #92-0348T-06, 2 Spans @ 5'-0" by Force Engineering & Testing, Inc.
8) Load Table by Force Engineering & Testing, Inc.

State of Florida
C.O.A.
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PROFESSIONAL ENGINEER

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