MBCI®
Metal Roof and Wall Systems

16" Classic Series Panel

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	NEGATIVE WIND LOAD	292.2	164.4	105.2	73.1	53.7	41.1	32.5
	LIVE LOAD/DEFLECTION	121.6	91.2	72.9	60.8	52.1	42.4	33.5
2-SPAN	NEGATIVE WIND LOAD	402.2	226.2	144.8	100.5	73.9	56.6	44.7
	LIVE LOAD/DEFLECTION	113.0	84.8	67.8	54.8	40.3	30.8	24.4
3-SPAN	NEGATIVE WIND LOAD	456.6	256.9	164.4	114.2	83.9	64.2	50.7
	LIVE LOAD/DEFLECTION	128.4	96.3	77.1	64.2	50.3	38.5	30.4
4-SPAN	NEGATIVE WIND LOAD	469.4	264.0	169.0	117.4	86.2	66.0	52.2
	LIVE LOAD/DEFLECTION	123.6	92.7	74.2	61.8	47.0	36.0	28.4

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	NEGATIVE WIND LOAD	415.8	233.9	149.7	103.9	76.4	58.5	46.2
	LIVE LOAD/DEFLECTION	189.3	142.0	113.6	94.7	80.7	61.8	48.8
2-SPAN	NEGATIVE WIND LOAD	586.0	329.6	210.9	146.5	107.6	82.4	65.1
	LIVE LOAD/DEFLECTION	186.2	139.7	112.3	78.0	57.3	43.9	34.6
3-SPAN	NEGATIVE WIND LOAD	649.7	365.4	233.9	162.4	119.3	91.4	72.2
	LIVE LOAD/DEFLECTION	211.6	158.7	127.0	97.4	71.6	54.8	43.3
4-SPAN	NEGATIVE WIND LOAD	673.2	378.7	242.4	168.3	123.7	94.7	74.8
	LIVE LOAD/DEFLECTION	203.6	152.7	122.2	91.0	66.8	51.2	40.4

NOTES:

1. Allowable loads are based on uniform span lengths.
2. LIVE LOAD is limited by bending, shear, combined shear & bending, or web crippling.
3. DEFLECTION is limited by a maximum deflection ratio of L/180 of span.
4. NEGATIVE WIND LOAD has been increased by 33.333% and does not consider fastener pullout or pullover.
5. Panel weight has not been deducted from allowable loads.