



# ALLOWABLE UNIFORM LOADS IN POUNDS PER SQUARE FOOT

## Slimline Panel

29 Gauge (0.0133"), Fy = 60 ksi, Fu = 61.5 ksi						
SPAN TYPE	LOAD TYPE	SPAN IN FEET				
		1.0	1.5	2.0	2.5	3.0
1-span	NEGATIVE WIND LOAD	--	--	--	--	--
	LIVE LOAD/DEFLECTION	--	--	--	--	--
2-span	NEGATIVE WIND LOAD	31.20	27.30	23.40	22.10	20.80
	LIVE LOAD/DEFLECTION	123.84	82.56	55.63	35.93	25.08
3-span	NEGATIVE WIND LOAD	31.20	27.30	23.40	22.10	20.80
	LIVE LOAD/DEFLECTION	140.73	93.82	68.77	44.59	31.19
4-span	NEGATIVE WIND LOAD	31.20	27.30	23.40	22.10	20.80
	LIVE LOAD/DEFLECTION	135.45	90.30	64.44	41.72	29.16

26 Gauge (0.0181"), Fy = 60 ksi, Fu = 61.5 ksi						
SPAN TYPE	LOAD TYPE	SPAN IN FEET				
		1.0	1.5	2.0	2.5	3.0
1-span	NEGATIVE WIND LOAD	--	--	--	--	--
	LIVE LOAD/DEFLECTION	--	--	--	--	--
2-span	NEGATIVE WIND LOAD	39.00	36.40	33.80	31.20	28.60
	LIVE LOAD/DEFLECTION	217.22	137.21	78.58	50.72	35.39
3-span	NEGATIVE WIND LOAD	39.00	36.40	33.80	31.20	28.60
	LIVE LOAD/DEFLECTION	246.84	164.56	97.22	62.98	44.03
4-span	NEGATIVE WIND LOAD	39.00	36.40	33.80	31.20	28.60
	LIVE LOAD/DEFLECTION	237.58	158.27	91.07	58.92	41.16

## Notes:

1. Strength calculations based on the 2012 AISI Standard "North American Specification for the Design of Cold-formed Steel Structural Members."
2. Allowable loads are applicable for uniform loading and spans without overhangs.
3. LIVE LOAD/DEFLECTION load capacities are for those loads that push the panel against its supports. The applicable limit states are flexure, shear, combined shear and flexure, web crippling at end and interior supports, and a deflection limit of L/180 under strength-level loads. **When the panel is installed over plywood or some other solid structural substrate**, the above LIVE LOAD/DEFLECTION values are invalid, and the NEGATIVE WIND LOAD capacity is determined strictly by the capacity of the solid structural substrate.
4. NEGATIVE WIND LOAD capacities are for those loads that pull the panel away from its supports, and are based on ASTM E1592 test results. Because the E1592 test results are not valid for single-span conditions, **this panel is not recommended for single-span applications** and no single-span capacity has been listed for either NEGATIVE WIND LOAD or LIVE LOAD/DEFLECTION cases.
5. Panel pullover and Screw pullout capacity must be checked separately using the screws employed for each particular application when utilizing this load chart.
6. Effective yield strength has been determined in accordance with section A2.3.2 of the 2012 NAS specification.