Econolap 3/4" Wall Panel Allowable Wind Loads (psf)

24 Gauge						
Span Type	Span					
	2'-0"	3'-0"	4'-0"	5'-0"	6'-0"	7'-0"
Single	244 b	108 b	61 b	39 b	27 b	19 b
Double	141 f	94 f	61 b	39 b	27 b	19 b
Triple	160 f	106 f	76 b	48 b	33 b	24 b

22 Gauge						
Span Type	Span					
	2'-0"	3'-0"	4'-0"	5'-0"	6'-0"	7'-0"
Single	250 *	133 b	74 b	47 b	33 b	24 b
Double	141 f	94 f	70 f	47 b	33 b	24 b
Triple	160 f	106 f	80 f	59 b	41 b	30 b

20 Gauge						
Span Type	Span					
	2'-0"	3'-0"	4'-0"	5'-0"	6'-0"	7'-0"
Single	250 *	154 b	86 b	55 b	38 b	28 b
Double	141 f	94 f	70 f	55 b	38 b	28 b
Triple	160 f	106 f	80 f	64 f	48 b	35 b

18 Gauge						
Span Type	Span					
	2'-0"	3'-0"	4'-0"	5'-0"	6'-0"	7'-0"
Single	250 *	207 b	116 b	74 b	51 b	38 b
Double	141 f	94 f	70 f	56 f	47 f	38 b
Triple	160 f	106 f	80 f	64 f	53 f	45 f

NOTES:

1. Allowable loads are based on uniform span lengths.
2. Panel material is ASTM A653 structural steel (SS) Grade 37.
3. Failure modes represented are:
   - f = fastener pullout/pullover
   - b = bending
   - d = deflection
   - * = allowable load limited to 250 psf (contact Metl-Span if higher loads are required)
4. Panel properties are calculated per AISI Standard *North American Specification for the Design of Cold-Formed Steel Structural Members* - 2016 Edition and the provisions for Allowable Strength Design (ASD).
5. Fastening limitations are based on nominal 1/4" fasteners with 15mm-diameter combination washers; minimum three (3) fasteners per panel width (plus stitch fastener); and minimum 16 Gauge (50 ksi) steel structural girts. Allowable pullout/pullover reactions are based on fastener manufacturer test data with a safety factor of 2.5.
6. Deflection is based on an effective moment of inertia at Ms = 0.6*Mn applied to the weaker orientation; a deflection ratio of L/120; and the 10-year mean return interval wind speed per IBC 2018 Table 1604.3.
7. Panel coverage = 34-2/3" and weight = 1.25-2.5 psf.
8. Contact Metl-Span for conditions not conforming to these notes.