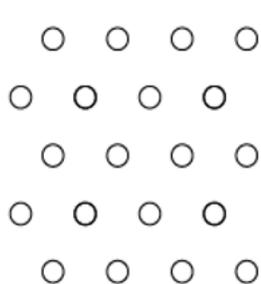


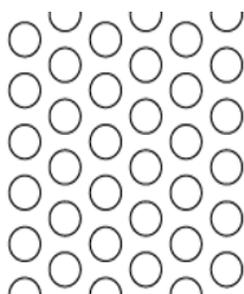
EcoScreen: MR3-36 Wall Panel Allowable Wind Loads (psf)

20 Gauge Stainless Steel - 10% Perforated						
Span Type	Span					
	2'-0"	3'-0"	4'-0"	5'-0"	6'-0"	8'-0"
Single	250 *	250 *	250 *	184 _b	127 _b	71 _b
Double	250 *	181 _f	136 _f	108 _f	90 _f	68 _f
Triple	250 *	206 _f	154 _f	123 _f	103 _f	77 _f

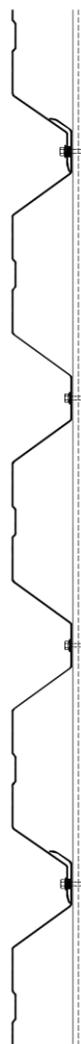
20 Gauge Stainless Steel - 40% Perforated						
Span Type	Span					
	2'-0"	3'-0"	4'-0"	5'-0"	6'-0"	8'-0"
Single	250 *	170 _b	95 _b	61 _b	42 _b	23 _b
Double	250 *	170 _b	95 _b	61 _b	42 _b	23 _b
Triple	250 *	206 _f	119 _b	76 _b	53 _b	29 _b



10% Perforated
1/8" diam. spaced 3/8" o.c.



40% Perforated
3/8" diam. spaced 9/16" o.c.



NOTES:

- Allowable loads are based on uniform span lengths.
- Panel material is ASTM A666 Type 304 annealed stainless steel.
- 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)
- Panel properties are calculated per ASCE *Specification for the Design of Cold-Formed Stainless Steel Structural Members* - 2002 Edition and the provisions for Allowable Strength Design (ASD). For $\geq 20\%$ perforated, equivalent properties of the perforated material are used in place of the properties of the solid material.
- Fastening limitations are based on nominal 1/4" fasteners with 15mm-diameter combination washers; minimum six (6) fasteners per panel width (2 per low cell); and minimum 16 Gauge (50 ksi) steel structural girts. Allowable pullover reactions are 708 lb for $< 20\%$ perforated and 586 lb for 40% perforated, based on fabricator test data with a safety factor of 2.5; allowable pullout reactions are based on fastener manufacturer test data with a safety factor of 2.5.
- Deflection is based on an effective moment of inertia at $M_s = 0.541 * M_n$ 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.
- Panel coverage = 36" and weight = 1.18-1.77 psf.
- Contact Metl-Span for additional perforation patterns or conditions not conforming to these notes.