Style-Rib Wall Panel Allowable Wind Loads (psf)

24 Gauge							
Span Type	Span						
	2'-0"	3'-0"	4'-0"	5'-0"	6'-0"	7'-0"	8'-0"
Single	250 *	190 b	107 b	68 b	47 b	35 b	26 b
Double	136 f	90 f	68 f	54 f	45 f	35 b	26 b
Triple	154 f	103 f	77 f	61 f	51 f	43 b	33 b

22 Gauge							
Span Type	Span						
	2'-0"	3'-0"	4'-0"	5'-0"	6'-0"	7'-0"	8'-0"
Single	250 *	226 f	145 b	92 b	64 b	47 b	36 b
Double	136 f	90 f	68 f	54 f	45 f	38 f	34 f
Triple	154 f	103 f	77 f	61 f	51 f	44 f	38 f

20 Gauge							
Span Type	Span						
	2'-0"	3'-0"	4'-0"	5'-0"	6'-0"	7'-0"	8'-0"
Single	250 *	226 f	170 f	118 b	82 b	60 b	46 b
Double	136 f	90 f	68 f	54 f	45 f	38 f	34 f
Triple	154 f	103 f	77 f	61 f	51 f	44 f	38 f

18 Gauge							
Span Type	Span						
	2'-0"	3'-0"	4'-0"	5'-0"	6'-0"	7'-0"	8'-0"
Single	250 *	226 f	170 f	136 f	113 f	88 b	67 b
Double	136 f	90 f	68 f	54 f	45 f	38 f	34 f
Triple	154 f	103 f	77 f	61 f	51 f	44 f	38 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; 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 = 36" and weight = 1.2-2.4 psf.
8. Contact Metl-Span for conditions not conforming to these notes.