CS-620 Wall Panel Allowable Wind Loads (psf)

22 Gauge						
Span Type	Span					
	1'-4"	2'-0"	3'-0"	4'-0"	5'-0"	6'-0"
Single	75 g	75 g	75 g	63 b	40 b	28 b
Double	75 g	75 g	68 f	51 f	40 f	28 b
Triple	75 g	75 g	75 g	57 f	46 f	35 b

20 Gauge						
Span Type	Span					
	1'-4"	2'-0"	3'-0"	4'-0"	5'-0"	6'-0"
Single	100 g	100 g	100 g	87 b	56 b	39 b
Double	100 g	100 g	68 f	51 f	40 f	34 f
Triple	100 g	100 g	77 f	57 f	46 f	38 f

18 Gauge						
Span Type	Span					
	1'-4"	2'-0"	3'-0"	4'-0"	5'-0"	6'-0"
Single	100 g	100 g	100 g	100 g	75 b	52 b
Double	100 g	100 g	68 f	51 f	40 f	34 f
Triple	100 g	100 g	77 f	57 f	46 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
   - c = clip failure
   - g = panel disengagement
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 one (1) fastener per clip; 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. Allowable loads due to clip failure and panel disengagement are based on large-scale testing with safety factors of 2.5 and 2.0, respectively.
8. Panel coverage = 16" and weight = 1.6-2.6 psf.
9. Contact Metl-Span for conditions not conforming to these notes.