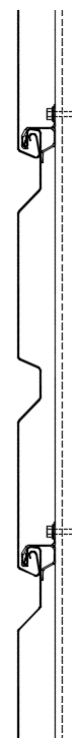


CS-620 Wall Panel Allowable Wind Loads (psf)

| 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:

- Allowable loads are based on uniform span lengths.
- Panel material is ASTM A653 structural steel (SS) Grade 37.
- Failure modes represented are:
 - f = fastener pullout/pullover
 - b = bending
 - d = deflection
 - c = clip failure
 - g = panel disengagement
- 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).
- 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.
- Deflection is based on an effective moment of inertia at $M_s = 0.6 \cdot M_n$ 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.
- 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.
- Panel coverage = 16" and weight = 1.6-2.6 psf.
- Contact Metl-Span for conditions not conforming to these notes.