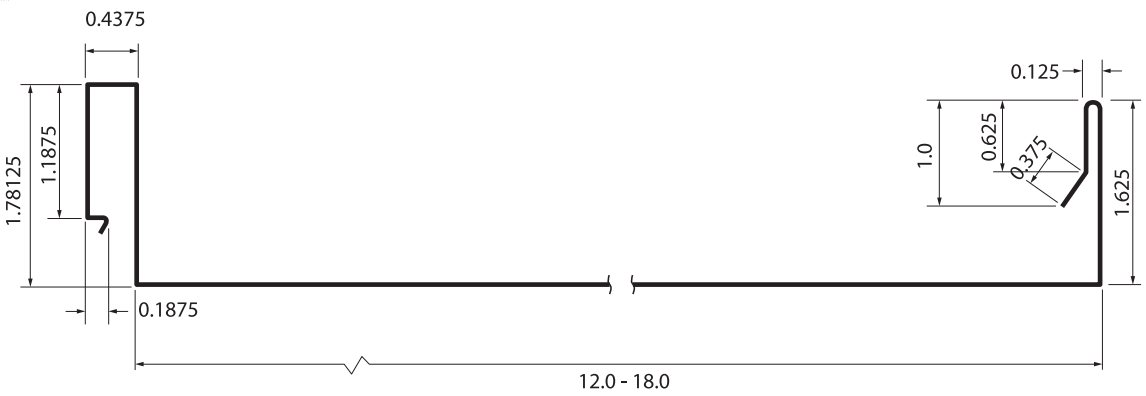
# PRODUCT INFORMATION


**Kansas City:**
8341 Ruby Ave.
Kansas City, KS 66111
**913-766-7200**
855-818-4958 toll-free
913-766-7201 fax

**Tulsa:**
131 S. 147th E. Ave.
Tulsa, OK 74116
**918-641-0641**
866-674-7657 toll-free
918-641-0640 fax


STRONGSEAM™ PANELS

## SL175




| SECTION PROPERTIES | | | | | | | |
|---|---|---|---|---|---|---|---|
| PANEL GAUGE | WIDTH | (Yield Stress) Fy (KSI) | WEIGHT (PSF) | TOP FLAT IN COMPRESSION (Positive Bending) | | BOTTOM FLAT IN COMPRESSION (Negative Bending) | |
| | | | | $I^x$ (in.$^4$/ft.) | $S^e$ (in.$^3$/ft.) | $I^x$ (in.$^4$/ft.) | $S^e$ (in.$^3$/ft.) |
| 24 | 12" | 50.0 | 1.48 | 0.119 | 0.075 | 0.063 | 0.062 |
| 24 | 16" | 50.0 | 1.81 | 0.128 | 0.074 | 0.063 | 0.062 |

**NOTES**

1. All calculations for the properties of panels are calculated in accordance with the 2012 AISI Supplement No. 1.
2. $I_x$ is for deflection determination.
3. $S_e$ is for bending.
4. $M_a$ is allowable bending movement.
5. All values are for one foot of panel width.

### ALLOWABLE UNIFORM LOADS (PFS)

| 24 Gauge (Fy=50 KSI) 12" WIDTH | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | SPAN IN FEET | | | | | | | |
| SPAN TYPE | LOAD TYPE | 2.5 | 3 | 3.5 | 4 | 4.5 | 5 | 5.5 | 6 |
| SINGLE | LIVE | 196.0 | 136.0 | 99.0 | 76.0 | 59.0 | 48.0 | 39.0 | 33.0 |
| 2-SPAN | LIVE | 196.0 | 136.0 | 99.0 | 76.0 | 59.0 | 48.0 | 39.0 | 33.0 |
| 3-SPAN | LIVE | 224.0 | 156.0 | 115.0 | 88.0 | 69.0 | 56.0 | 46.0 | 38.0 |

| 24 Gauge (Fy=50 KSI) 16" WIDTH | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | SPAN IN FEET | | | | | | | |
| SPAN TYPE | LOAD TYPE | 2.5 | 3 | 3.5 | 4 | 4.5 | 5 | 5.5 | 6 |
| SINGLE | LIVE | 147.0 | 102.0 | 74.0 | 57.0 | 44.0 | 36.0 | 29.0 | 24.0 |
| 2-SPAN | LIVE | 147.0 | 102.0 | 74.0 | 57.0 | 44.0 | 36.0 | 29.0 | 24.0 |
| 3-SPAN | LIVE | 168.0 | 117.0 | 86.0 | 66.0 | 52.0 | 42.0 | 34.0 | 29.0 |

The Engineering data contained herein is for the expressed use of customers and design professionals. Along with this data, it is recommended that the design professional have a copy of the most current version of the *North American Specification for the Design of Cold-Formed Steel Structural Members* published by the American Iron and Steel Institute to facilitate design. This Specification contains the design criteria for cold-formed steel components. Along with the Specification, the designer should reference the most current building code applicable to the project jobsite in order to determine environmental loads. If further information or guidance regarding cold-formed design practices is desired, please contact the manufacturer.