

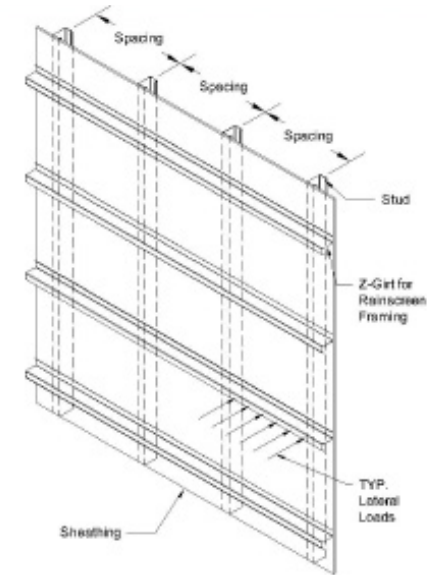


Z-GIRT: SPAN TABLE FOR MAXIMUM ALLOWABLE UNIFORM DISTRIBUTED LOAD (STRONG AXIS), W_{x-max}

| Product Code | Mils (Gauge) | Support Spacing (in) o.c. | | | | | | | | | | | | | | |
|--------------|--------------|---------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | | Deflection Limit | | | | | | | | | | | | | | |
| | | 12 | | | 16 | | | 24 | | | 32 | | | 48 | | |
| | | L/120 | L/240 | L/360 | L/120 | L/240 | L/360 | L/120 | L/240 | L/360 | L/120 | L/240 | L/360 | L/120 | L/240 | L/360 |
| 150ZG-43 | 43 (18) | 534 | 534 | 534 | 401 | 401 | 401 | 267 | 267 | 267 | 200 | 200 | 200 | 90 | 90 | 63 |
| 200ZG-43 | 43 (18) | 516 | 516 | 516 | 387 | 387 | 387 | 258 | 258 | 258 | 194 | 194 | 194 | 126 | 126 | 120 |
| 250ZG-43 | 43 (18) | 501 | 501 | 501 | 375 | 375 | 375 | 250 | 250 | 250 | 188 | 188 | 188 | 125 | 125 | 125 |
| 200ZG-54 | 54 (16) | 1263 | 1263 | 1263 | 948 | 948 | 948 | 632 | 632 | 632 | 474 | 474 | 474 | 209 | 209 | 147 |
| 300ZG-54 | 54 (16) | 1200 | 1200 | 1200 | 900 | 900 | 900 | 600 | 600 | 600 | 450 | 450 | 450 | 300 | 300 | 300 |
| 400ZG-54 | 54 (16) | 1147 | 1147 | 1147 | 860 | 860 | 860 | 573 | 573 | 573 | 430 | 430 | 430 | 287 | 287 | 287 |

Table Notes

- 1 Allowable loads are calculated using effective Z-Girt section properties
- 2 Web crippling capacity check based on 1-inch bearing length for EOF condition.
- 3 Lateral-torsional buckling strengths are considered when stud spacings are greater than unbraced lengths (L_u)
- 4 Listed capacities are based on F_y = 33ksi for 43mils (18ga) and F_y = 50 ksi for 54mils (16ga)
- 5 Typical lateral loads on the wall is considered for strong axis loading. Seismic loads are not considered and needs to be checked separately.
- 6 Listed span table allowable loads are calculated in accordance with AISI S100-16 w/18-Supplement.
- 7 Listed allowable loads are calculated as the minimum loads based on bending, shear, web crippling, and serviceability deflection limit under strong axis loading.



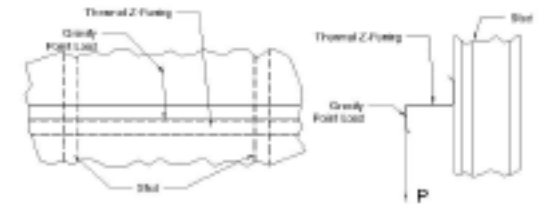
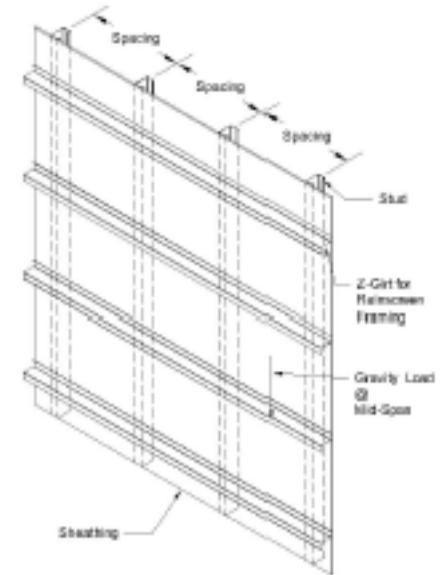


Z-GIRT: SPAN TABLE FOR MAXIMUM ALLOWABLE POINT LOAD (WEAK AXIS), W_{y-max} (plf)

| Product Code | Mils (Gauge) | Gravity Load (lbs) |
|--------------|--------------|--------------------|
| 150ZG-43 | 43 (18) | 134 |
| 200ZG-43 | 43 (18) | 101 |
| 250ZG-43 | 43 (18) | 81 |
| 200ZG-54 | 54 (16) | 240 |
| 300ZG-54 | 54 (16) | 160 |
| 400ZG-54 | 54 (16) | 120 |

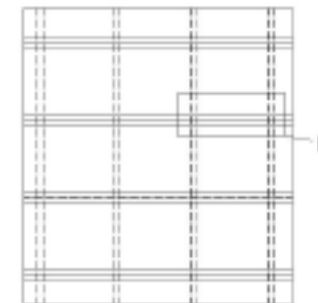
Table Notes

- 1 Allowable loads are calculated using effective Z-Girt section properties.
- 2 Calculated loads does not include serviceability limitation and should be check separately.
- 3 Listed allowable loads does not consider shear and web crippling capacity limitations and should be checked separately.
- 4 Listed maximum allowable point loads includes eccentric load effects as shown in illustration (Detail A).
- 5 Listed allowable loads do not consider connection design between Z-Girt and framing member.
- 6 Z-Girt should be installed to framing member as shown in Detail A (Z-Girt flange connecting to stud should point up).
- 7 Listed capacities are based on $F_y = 33\text{ksi}$ for 43mils (18ga) and $F_y = 50\text{ ksi}$ for 54mils (16ga).
- 8 Listed span table allowable loads are calculated in accordance with AISI S100-16 (2020) w/S2-20.

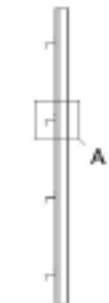


DETAIL B

DETAIL A



Front View



Side View



Z-GIRT: ALLOWABLE MOMENT CAPACITY TABLES (Strong Axis)

| Product Code | Mils (Gauge) | Allowable Moment Capacity M_{ax} (kip-in) ⁴ | |
|--------------|--------------|--|------------|
| | | 24 in o.c. | 48 in o.c. |
| 150ZG-43 | 43 (18) | 2.29 | 2.16 |
| 200ZG-43 | 43 (18) | 3.26 | 3.03 |
| 250ZG-43 | 43 (18) | 4.19 | 3.97 |
| 200ZG-54 | 54 (16) | 5.84 | 5.02 |
| 300ZG-54 | 54 (16) | 9.27 | 8.11 |
| 400ZG-54 | 54 (16) | 12.91 | 11.53 |

Table Notes

- 1 Allowable listed capacities are based on $F_y = 33\text{ksi}$ for 43mils (18ga) and $F_y = 50\text{ksi}$ for 54mils (16ga).
- 2 Calculated capacities are calculated in accordance with AISI S100-16 (2020) w/S2-20.
- 3 Loads applied on strong axis are lateral loads on the wall.
- 4 Moment capacity is based on stud spacing is 24 in. oc. or 48 in o.c.

