

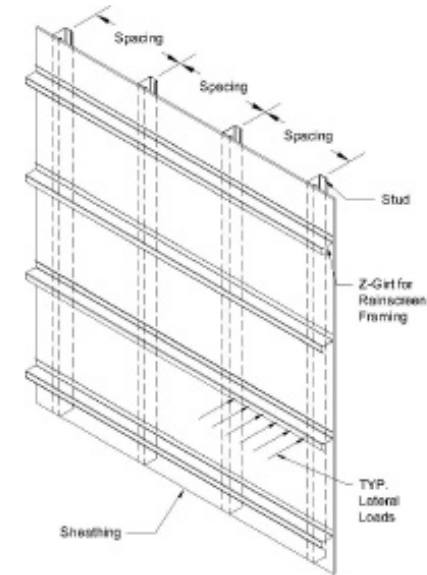


Z-GIRT: SPAN TABLE FOR MAXIMUM ALLOWABLE UNIFORM DISTRIBUTED LOAD (STRONG AXIS), W_{x-max} (plf)

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 $F_y = 33$ ksi 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.



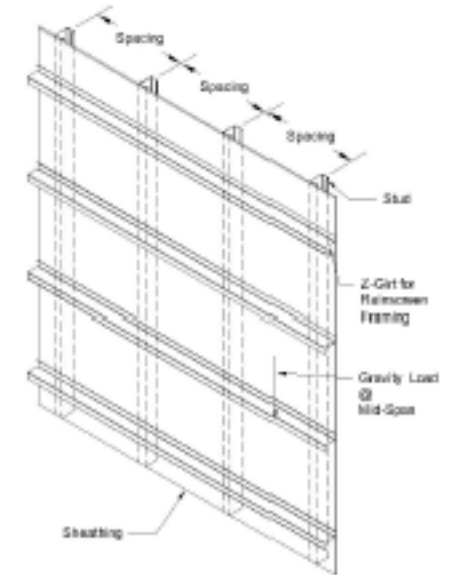
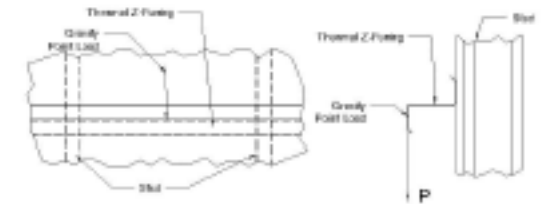


Z-GIRT: SPAN TABLE FOR MAXIMUM ALLOWABLE POINT LOAD (WEAK AXIS), W_{y-max} (plf)

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

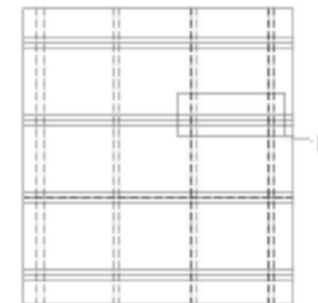
Table Notes

- 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.

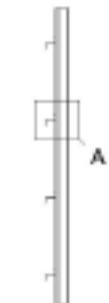


DETAIL B

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.

