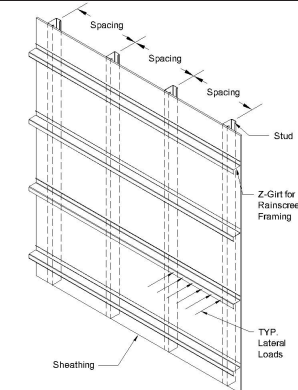


Z-Girt: Span Table for Maximum Allowable Uniform Distributed Load (Strong Axis), w_{x-max}

Product Code	Thickness Mils (ga)	Support Spacing (in) o.c.														
		12			16			24			32			48		
		Deflection Limit														
		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-33	33 (20)	300	300	300	225	225	225	150	150	150	112	112	112	64	64	49
200ZG-33	33 (20)	288	288	288	216	216	216	144	144	144	108	108	108	72	72	72
250ZG-33	33 (20)	277	277	277	208	208	208	139	139	139	104	104	104	69	69	69
300ZG-33	33 (20)	268	268	268	201	201	201	134	134	134	101	101	101	67	67	67
350ZG-33	33 (20)	260	260	260	195	195	195	130	130	130	97	97	97	65	65	65
400ZG-33	33 (20)	252	252	252	189	189	189	126	126	126	94	94	94	63	63	63
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
300ZG-43	43 (18)	486	486	486	365	365	365	243	243	243	182	182	182	122	122	122
350ZG-43	43 (18)	474	474	474	355	355	355	237	237	237	178	178	178	118	118	118
400ZG-43	43 (18)	462	462	462	346	346	346	231	231	231	173	173	173	115	115	115
150ZG-54	54 (16)	1302	1302	1302	977	977	977	651	651	615	385	385	259	151	115	77
200ZG-54	54 (16)	1263	1263	1263	948	948	948	632	632	632	474	474	474	209	209	147
250ZG-54	54 (16)	1230	1230	1230	922	922	922	615	615	615	461	461	461	272	272	245
300ZG-54	54 (16)	1200	1200	1200	900	900	900	600	600	600	450	450	450	300	300	300
350ZG-54	54 (16)	1172	1172	1172	879	879	879	586	586	586	440	440	440	293	293	293
400ZG-54	54 (16)	1147	1147	1147	860	860	860	573	573	573	430	430	430	287	287	287
150ZG-68	68 (14)	2081	2081	2081	1561	1561	1561	874	874	752	488	475	317	197	141	94
200ZG-68	68 (14)	2026	2026	2026	1520	1520	1520	1013	1013	1013	697	697	611	276	272	181
250ZG-68	68 (14)	1979	1979	1979	1484	1484	1484	989	989	989	742	742	742	359	359	302
300ZG-68	68 (14)	1936	1936	1936	1452	1452	1452	968	968	968	726	726	726	445	445	445
350ZG-68	68 (14)	1898	1898	1898	1423	1423	1423	949	949	949	712	712	712	474	474	474
400ZG-68	68 (14)	1862	1862	1862	1396	1396	1396	931	931	931	698	698	698	465	465	465

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 43 mils (18-ga), and $F_y = 50$ ksi for 54 mils (16-ga) & 68 mils (14-ga).
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.

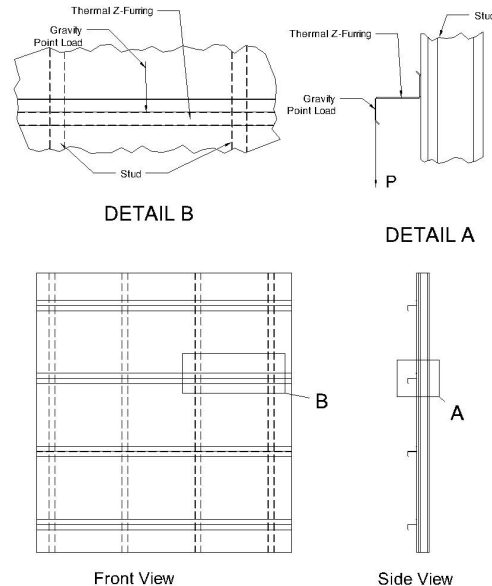
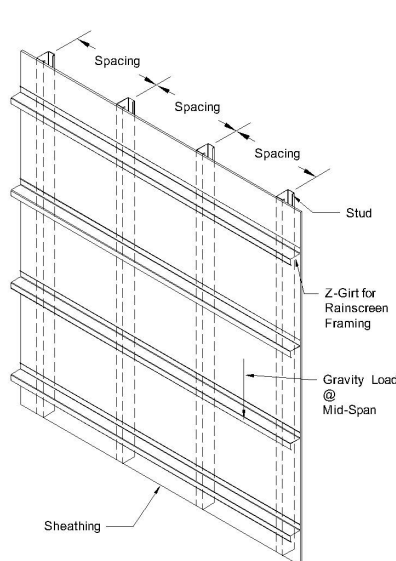


Z-Girt: Span Table for Maximum Allowable Point Load (Weak Axis), w_{y-max} (plf)

Product Code	Thickness, Mils (ga)	Gravity Load, lbs
150ZG-33	33 (20)	79
200ZG-33	33 (20)	59
250ZG-33	33 (20)	47
300ZG-33	33 (20)	40
350ZG-33	33 (20)	34
400ZG-33	33 (20)	30
150ZG-43	43 (18)	134
200ZG-43	43 (18)	101
250ZG-43	43 (18)	81
300ZG-43	43 (18)	67
350ZG-43	43 (18)	58
400ZG-43	43 (18)	50
150ZG-54	54 (16)	320
200ZG-54	54 (16)	240
250ZG-54	54 (16)	192
300ZG-54	54 (16)	160
350ZG-54	54 (16)	137
400ZG-54	54 (16)	120
150ZG-68	68 (14)	508
200ZG-68	68 (14)	381
250ZG-68	68 (14)	305
300ZG-68	68 (14)	254
350ZG-68	68 (14)	218
400ZG-68	68 (14)	191

Table Notes:

1. Allowable loads are calculated using effective Z-Girt section properties.
2. Calculated loads does not include serviceability limitation and should be checked seperately.
3. Listed allowable loads does not consider shear and web crippling capacity limitations and should be checked seperately.
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 $F_y = 33$ ksi for 33 mils (20-ga) & 43 mils (18-ga), and $F_y = 50$ ksi for 54 mils (16-ga) & 68 mils (14-ga).
8. Listed span table allowable loads are calculated in accordance with AISI S100-16 (2020) w/S2-20.





Z-Girt: Allowable Moment Capacity Tables

Z-Girt: Allowable Moment Capacities (Strong Axis)			
Product Code	Thickness, Mills (ga)	Allowable Moment Capacity, M_{ax} (kip-in.) ⁴	
		24 in. o.c.	48 in. o.c.
150ZG-33	33 (20)	1.62	1.53
200ZG-33	33 (20)	2.31	2.16
250ZG-33	33 (20)	2.94	2.85
300ZG-33	33 (20)	3.59	3.58
350ZG-33	33 (20)	4.26	4.26
400ZG-33	33 (20)	4.93	4.93
150ZG-43	43 (18)	2.29	2.16
200ZG-43	43 (18)	3.26	3.03
250ZG-43	43 (18)	4.19	3.97
300ZG-43	43 (18)	5.15	4.97
350ZG-43	43 (18)	6.14	6.02
400ZG-43	43 (18)	7.15	7.13
150ZG-54	54 (16)	4.15	3.61
200ZG-54	54 (16)	5.84	5.02
250ZG-54	54 (16)	7.53	6.52
300ZG-54	54 (16)	9.27	8.11
350ZG-54	54 (16)	11.07	9.78
400ZG-54	54 (16)	12.91	11.53
150ZG-68	68 (14)	5.24	4.73
200ZG-68	68 (14)	7.56	6.63
250ZG-68	68 (14)	10.06	8.62
300ZG-68	68 (14)	12.64	10.67
350ZG-68	68 (14)	15.19	12.81
400ZG-68	68 (14)	17.81	15.04

Table Notes:

1. Allowable listed capacities are based on $F_y = 33$ ksi for 33 mils (20-ga) & 43 mils (18-ga), and $F_y = 50$ ksi for 54 mils (16-ga) & 68 mils (14-ga).
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. o.c. or 48 in. o.c..

