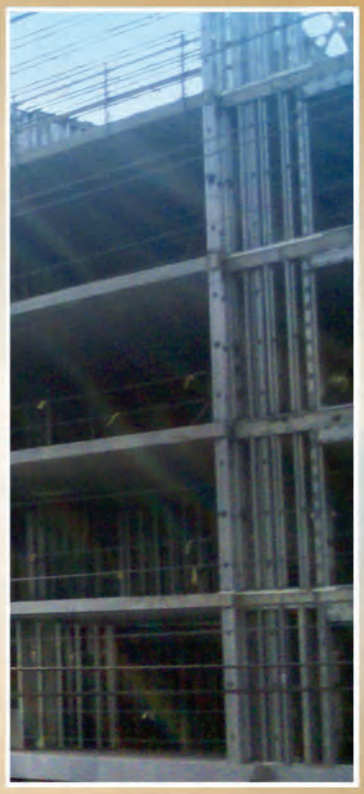
QUALITY LIGHT STEEL FRAMING CONNECTIONS AND MEMBERS

PRIMEWALL® DRYWALL ACCESSORIES

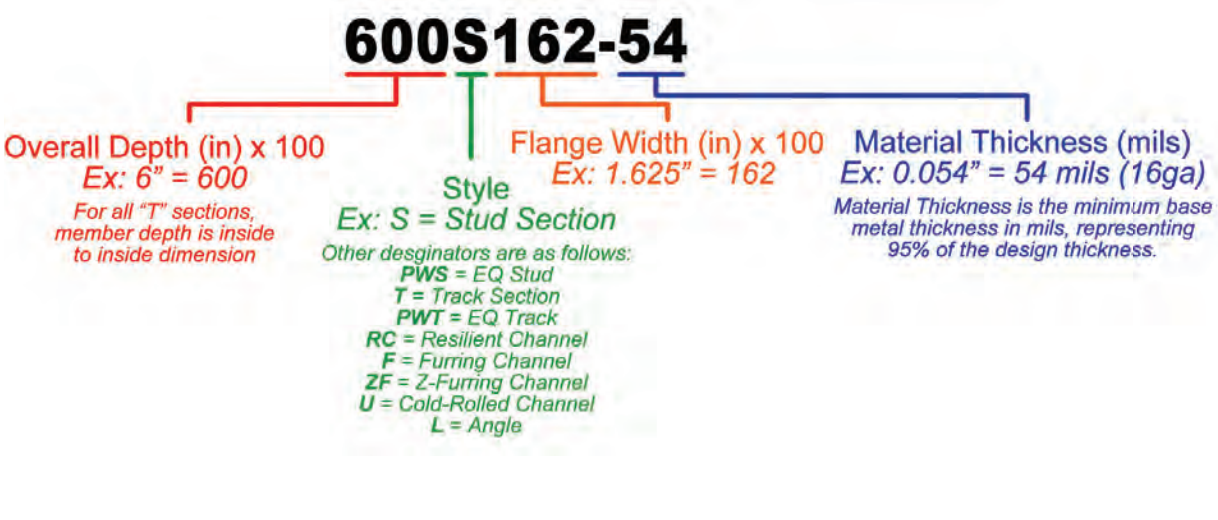
INTERIOR STUDS & TRACKS · CHANNELS · ANGLE



The Steel Network

STEELNETWORK.COM
1.888.474.4876



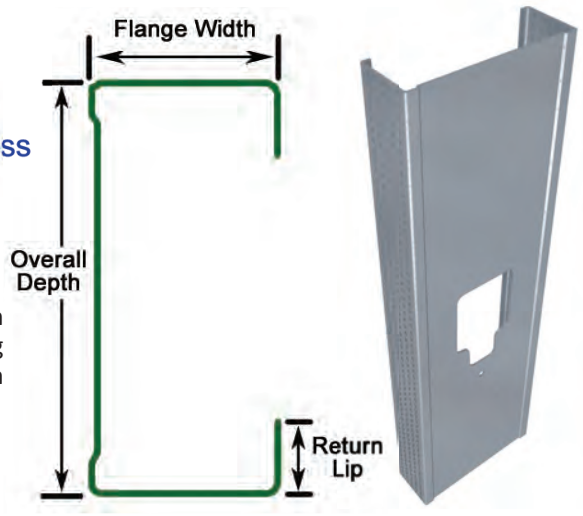
Introduction

The PrimeWall® Series of drywall framing accessories is for use in non-load-bearing, interior partition applications. Because The Steel Network is committed to improving overall quality in the construction industry, we insist on utilizing traceable material for all steel in the manufacturing of the PrimeWall® Series. It is the goal of The Steel Network to improve the quality of steel framing construction.

Table of Contents

PrimeWall® Stud (S).....2-4
PrimeWall® EQ Stud (PWS).....5-6
PrimeWall® SFIA Certified EQ Studs (PWS).....7-8
PrimeWall® Track (T).....9
PrimeWall® EQ Track (PWT).....10
PrimeWall® Resilient Channel (RC).....11
PrimeWall® Furring Channel (F).....12
PrimeWall® Z-Furring Channel (ZF).....13
PrimeWall® Cold-Rolled Channel (U).....14
PrimeWall® Angle (L).....15

Stud Section Properties



Material Composition

ASTM A1003/A 1003M Non Structural Grade 33 (230), 33 ksi (230 MPa) minimum yield strength, G40 (Z120) hot-dipped galvanized coating, or equivalent conforming to ASTM C645. Other steel materials with G40 coating are also available upon request.

Knockouts

- Knockout is .75" wide in 1.625" and 2.5" studs
- Knockout is 1.5" wide in 3.5" and wider studs
- Knockouts begin 12" from the bottom and are spaced vertically every 24" o.c. for East and Central Region studs; for West Region studs, knockouts begin 24" from the bottom and are spaced vertically every 24" o.c.

Important Table Notes

1. Calculated properties are based on AISI S100-07, North American Specification for the Design of Cold-Formed Steel Structural Members.
2. The centerline bend radius is based upon inside corner radii shown in the Thickness Table in SFIA Technical Guide for Cold-Formed Steel Framing Products.
3. Effective properties incorporate the strength increase from the cold work of forming as applicable per AISI S100-07 Sec. A7.2.
4. Tabulated gross properties, including torsional properties, are based upon full-unreduced cross section of the studs, away from punchouts.
5. For deflection calculations, use the effective moment of inertia.

Non-Structural PrimeWall® Stud Section Properties																					
Section	Design Thickness	Gross							Effective - 33ksi						Torsional						
		Area	Weight	I_x	S_x	R_x	I_y	R_y	I_x	S_x	M_a	M_{ad}	V_{ag}	$V_{a\,(net)}$	Jx1000	C_w	X_o	m	R_o	β
	(in)	(in^2)	(lb/ft)	(in^4)	(in^3)	(in)	(in^4)	(in)	(in^4)	(in^3)	(in-k)	(in-k)	(lb)	(lb)	(in^4)	(in^6)	(in)	(in)	(in)	
162S125-18	0.0188	0.080	0.27	0.038	0.046	0.686	0.016	0.447	0.034	0.031	0.61	0.65	302	100	0.009	0.009	-1.029	0.594	1.315	0.388
162S125-27	0.0283	0.120	0.41	0.056	0.069	0.682	0.023	0.443	0.055	0.053	1.05	1.14	494	106	0.032	0.013	-1.018	0.587	1.303	0.390
162S125-30	0.0312	0.132	0.45	0.061	0.075	0.681	0.026	0.441	0.060	0.060	1.19	1.30	543	106	0.043	0.014	-1.014	0.585	1.299	0.390
250S125-18	0.0188	0.097	0.33	0.099	0.079	1.014	0.019	0.439	0.089	0.060	1.18	1.03	258	196	0.011	0.023	-0.904	0.543	1.428	0.599
250S125-27	0.0283	0.144	0.49	0.147	0.118	1.009	0.027	0.434	0.145	0.098	1.93	1.83	685	344	0.039	0.034	-0.893	0.537	1.416	0.602
250S125-30	0.0312	0.159	0.54	0.161	0.129	1.008	0.030	0.433	0.159	0.110	2.18	2.09	832	378	0.052	0.037	-0.890	0.535	1.413	0.603
350S125-18	0.0188	0.115	0.39	0.215	0.123	1.366	0.021	0.423	0.197	0.072	1.42	1.47	180	159	0.014	0.050	-0.798	0.495	1.638	0.763
350S125-27	0.0283	0.173	0.59	0.320	0.183	1.361	0.030	0.419	0.313	0.130	2.57	2.65	614	359	0.046	0.073	-0.788	0.489	1.627	0.766
350S125-30	0.0312	0.190	0.65	0.351	0.201	1.360	0.033	0.417	0.346	0.150	2.97	3.05	824	436	0.062	0.079	-0.784	0.488	1.624	0.767
362S125-18	0.0188	0.118	0.40	0.234	0.129	1.409	0.021	0.421	0.215	0.075	1.48	1.52	173	163	0.014	0.054	-0.786	0.490	1.667	0.778
362S125-27	0.0283	0.176	0.60	0.347	0.192	1.404	0.031	0.416	0.340	0.135	2.67	2.76	592	370	0.047	0.079	-0.776	0.484	1.657	0.781
362S125-30	0.0312	0.194	0.66	0.381	0.210	1.402	0.033	0.415	0.375	0.156	3.09	3.17	794	449	0.063	0.086	-0.773	0.482	1.654	0.782
400S125-18[1]	0.0188	0.125	0.42	0.294	0.147	1.536	0.021	0.415	0.273	0.083	1.64	1.69	156	156	0.015	0.068	-0.755	0.475	1.761	0.816
400S125-27	0.0283	0.187	0.64	0.438	0.219	1.531	0.031	0.410	0.428	0.151	2.98	3.07	533	398	0.05	0.098	-0.745	0.469	1.751	0.819
400S125-30	0.0312	0.206	0.70	0.481	0.240	1.529	0.034	0.409	0.473	0.174	3.44	3.54	715	484	0.067	0.108	-0.742	0.467	1.748	0.820
550S125-18[1,2]	0.0188	0.153	0.52	0.630	0.229	2.029	0.023	0.390							0.018	0.141	-0.651	0.423	2.166	0.910
550S125-27	0.0283	0.229	0.78	0.939	0.341	2.023	0.034	0.385	0.898	0.246	4.87	4.27	382	382	0.061	0.205	-0.642	0.417	2.158	0.912
550S125-30	0.0312	0.252	0.86	1.032	0.375	2.022	0.037	0.384	0.996	0.286	5.65	4.95	512	512	0.082	0.224	-0.639	0.416	2.155	0.912
600S125-18[1,2]	0.0188	0.162	0.55	0.779	0.260	2.190	0.024	0.382							0.019	0.172	-0.623	0.408	2.308	0.927
600S125-27[1]	0.0283	0.243	0.83	1.161	0.387	2.184	0.035	0.378	1.097	0.271	5.35	4.64	349	349	0.065	0.251	-0.614	0.403	2.300	0.929
600S125-30	0.0312	0.268	0.91	1.276	0.425	2.182	0.038	0.376	1.219	0.315	6.22	5.40	468	468	0.087	0.274	-0.611	0.401	2.297	0.929

[1] Web height to thicknes ratio exceeds 200. Web stiffeners are required at all support points and concentrated loads.
[2] When web height to thickness ration exceeds 260, or flange width to thickness ratio exceeds 60, effective properties are not calculated (limitations in AISI S100-07 Sec. B1).

PrimeWall® Drywall Accesories Stud Non-Composite Allowable Heights

Important Table Notes:

1. Lateral loads of 5 psf, 7.5 psf, and 10 psf have NOT been reduced for strength and deflection checks. Full lateral load is applied.
2. Calculated properties are based upon AISI S100-07, North American Specification for the Design of Cold-Formed Steel Structural Members.
3. Limiting heights are based upon continuous support of each flange over the full length of the stud.
4. Limiting heights are based upon steel properties only (non-composite).
5. Web crippling checks are based upon end-one flange loading condition using 1" end bearing.
6. Where limiting heights are followed by "e", web stiffeners are required.

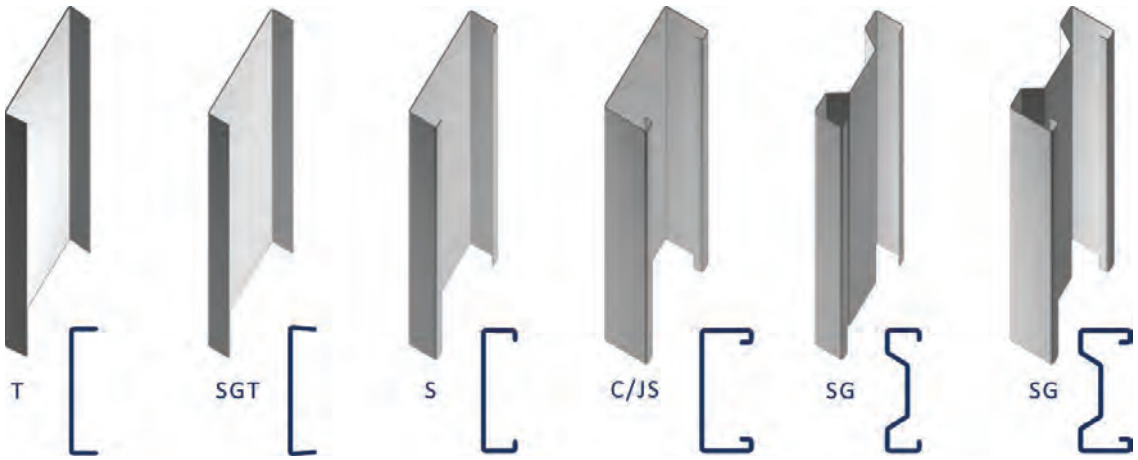
Non-Structural PrimeWall® Stud Allowable Heights															
Stud Properties							Lateral Load								
Section	Depth (in)	Mils	Gauge	Design Thickness		Spacing	5psf			7.5psf			10psf		
							Deflection Limit			Deflection Limit			Deflection Limit		
				(in)	(mm)	(in)	L/120	L/240	L/360	L/120	L/240	L/360	L/120	L/240	L/360
162S125-xx	1.625	18	25	0.0188	0.48	12	9' 0"	7' 7"	6' 8"	7' 4"	6' 8"	5' 10 "	6' 4"	6' 1"	5' 3"
						16	7' 10"	6' 11"	6' 1"	6' 4"	6' 1"	5' 3"	5' 6"	5' 6"	4' 10"
						24	6' 4"	6 ' 1"	5' 3"	5' 2"	5' 2"	4' 7"	4' 6"	4' 6"	4' 2"
		27	22	0.0283	0.72	12	11' 3"	8' 11"	7' 10"	9' 8"	7' 10"	6' 10"	8' 4"	7' 1"	6' 3"
						16	10' 3"	8' 2"	7' 1"	8' 4"	7' 1"	6' 3"	7' 3"	6' 5"	5' 8"
						24	8' 4"	7' 1"	6' 3"	6' 10"	6' 3"	5' 5"	5' 11"	5' 8"	4' 11"
		30	20	0.0312	0.79	12	11' 8"	9' 3"	8' 1"	10' 2"	8' 1"	7' 1"	8' 11"	7' 4"	6' 5"
						16	10' 7"	8' 5"	7' 4"	8' 11"	7' 4"	6' 5"	7' 9"	6' 8"	5' 10"
						24	8' 11"	7' 4"	6' 5"	7' 3"	6' 5"	5' 7"	6' 4"	5' 10"	5' 1"
250S125-xx	2.5	18	25	0.0188	0.48	12	11' 9"	10' 6"	9' 3"	9' 7"	9' 3"	8' 1"	8' 3"	8' 3"	7' 4"
						16	10' 2"	9' 7"	8' 4"	8' 3"	8' 3"	7' 4"	7' 2"	7' 2"	6' 8"
						24	8' 3"	8' 3"	7' 4"	6' 9"	6' 9"	6' 5"	5' 2"	5' 2"	5' 2"
		27	22	0.0283	0.72	12	15' 7"	12' 4"	10' 10"	12' 9"	10' 10"	9' 5"	11' 0"	9' 10"	8' 7"
						16	13' 6"	11' 3"	9' 10"	11' 0"	9' 10"	8' 7"	9' 7"	8' 11"	7' 10"
						24	11' 0"	9' 10"	8' 7"	9' 0"	8' 7"	7' 6"	7' 10"	7' 10"	6' 10"
		30	20	0.0312	0.79	12	16' 1"	12' 9"	11' 2"	13' 8"	11' 2"	9' 9"	11' 10"	10' 2"	8' 10"
						16	14' 5"	11' 7"	10' 2"	11' 10"	10' 2"	8' 10"	10' 3"	9' 2"	8' 1"
						24	11' 10"	10' 2"	8' 10"	9' 8"	8' 10"	7' 9"	8' 4"	8' 1"	7' 0"
350S125-xx	3.5	18	25	0.0188	0.48	12	13' 9"	13' 9"	12' 0"	11' 3"	11' 3"	10' 6"	9' 9"	9' 9"	9' 6"
						16	11' 11"	11' 11"	10' 11"	9' 9"	9' 9"	9' 6"	7' 4"	7 ' 4"	7' 4"
						24	9' 9"	9' 9"	9' 6"	6' 6"	6' 6"	6' 6"	4' 11"	4' 11"	4' 11"
		27	22	0.0283	0.72	12	18' 6"	16' 0"	14' 0"	15' 1"	14' 0"	12' 3"	13' 1"	12' 9"	11' 1"
						16	16' 0"	14' 7"	12' 9"	13' 1"	12' 9"	11' 1"	11' 4"	11' 4"	10' 1"
						24	13' 1"	12' 9"	11' 1"	10' 8"	10' 8"	9' 8"	9' 3"	9' 3"	8' 10"
		30	20	0.0312	0.79	12	19' 11"	16' 7"	14' 5"	16' 3"	14' 5"	12' 8"	14' 1"	13' 2"	11' 6"
						16	17' 3"	15' 0"	13' 2"	14' 1"	13' 2"	11' 6"	12' 2"	11' 11"	10' 5"
						24	14' 1"	13' 2"	11' 6"	11' 6"	11' 6"	10' 0"	9' 11"	9' 11"	9' 1"
362S125-xx	3.625	18	25	0.0188	0.48	12	14' 1"	14' 1"	12' 4"	11' 6"	11' 6"	10' 9"	9' 9"	9' 9"	9' 9"
						16	12' 2"	12' 2"	11' 3"	9' 9"	9' 9"	9' 9"	7' 4"	7' 4"	7' 4"
						24	9' 9"	9' 9"	9' 9"	6' 6"	6' 6"	6' 6"	4' 10"	4' 10"	4' 10"
		27	22	0.0283	0.72	12	18' 11"	16' 5"	14' 5"	15' 5"	14' 5"	12' 7"	13' 4"	13' 1"	11' 5"
						16	16' 4"	14' 11"	13' 1"	13' 4"	13' 1"	11' 5"	11' 7"	11' 7"	10' 4"
						24	13' 4"	13' 1"	11' 5"	10' 11"	10' 11"	10' 0"	9' 5"	9' 5"	9' 1"
		30	20	0.0312	0.79	12	20' 3"	17' 0"	14' 10"	16' 7"	14' 10"	13' 0"	14' 4"	13' 6"	11' 10"
						16	17' 7"	15' 5"	13' 6"	14' 4"	13' 6"	11' 10"	12' 5"	12' 3"	10' 9"
						24	14' 4"	13' 6"	11' 10"	11' 9"	11' 9"	10' 4"	10' 2"	10' 2"	9' 4"

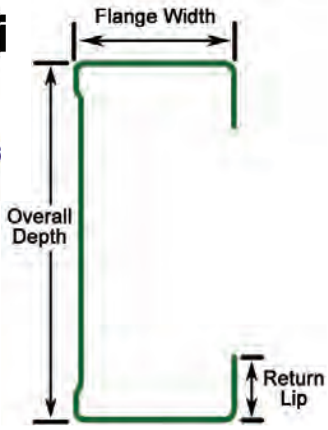
Stud Non-Composite Allowable Heights

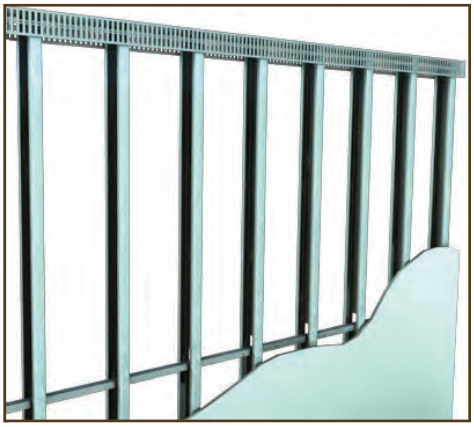
Important Table Notes on page 3

Non-Structural PrimeWall® Stud Allowable Heights															
Stud Properties							Lateral Load								
Section	Depth (in)	Mils	Gauge	Design Thickness		Spacing	5psf			7.5psf			10psf		
							Deflection Limit			Deflection Limit			Deflection Limit		
				(in)	(mm)	(in)	L/120	L/240	L/360	L/120	L/240	L/360	L/120	L/240	L/360
400S125-xx	4	18	25	0.0188	0.48	12	14' 9"	14' 9"	13' 4"	12' 1"	12' 1"	11' 8"	9' 6"	9' 6"	9' 6"
						16	12' 10"	12' 10"	12' 2"	9' 6"	9' 6"	9' 6"	7' 2"	7' 2"	7' 2"
						24	9' 6"	9' 6"	9' 6"	6' 4"	6' 4"	6' 4"	4' 9"	4' 9"	4' 9"
		27	22	0.0283	0.72	12	19' 11"	17' 9"	15' 6"	16' 3"	15' 6"	13' 7"	14' 1"	14' 1"	12' 4"
						16	17' 3"	16' 2"	14' 1"	14' 1"	14' 1"	12' 4"	12' 2"	12' 2"	11' 2"
						24	14' 1"	14' 1"	12' 4"	11' 6"	11' 6"	10' 9"	10' 0"	10' 0"	9' 9"
		30	20	0.0312	0.79	12	21' 5"	18' 5"	16' 1"	17' 6"	16' 1"	14' 0"	15' 2"	14' 7"	12' 9"
						16	18' 7"	16' 8"	14' 7"	15' 2"	14' 7"	12' 9"	13' 1"	13' 1"	11' 7"
						24	15' 2"	14' 7"	12' 9"	12' 4"	12' 4"	11' 2"	10' 9"	10' 9"	10' 1"
550S125-xx	5.5	18	25	0.0188	0.48	12	17' 6"	17' 6"	16' 9"	11' 10"	11' 10"	11' 10"	8' 10"	8' 10"	8' 10"
						16	13' 3"	13' 3"	13' 3"	8' 10"	8' 10"	8' 10"	6' 8"	6' 8"	6' 8"
						24	8' 10"	8' 10"	8' 10"	5' 11"	5' 11"	5' 11"	4' 5"	4' 5"	4' 5"
		27	22	0.0283	0.72	12	23' 10"	22' 9"	19' 10"	19' 6"	19' 6"	17' 4"	16' 11"	16' 11"	15' 9"
						16	20' 8"	20' 8"	18' 1"	16' 11"	16' 11"	15' 9"	14' 7"	14' 7"	14' 4"
						24	16' 11"	16' 11"	15' 9"	13' 9"	13' 9"	13' 9"	10' 4"	10' 4"	10' 4"
		30	20	0.0312	0.79	12	25' 8"	23' 7"	20' 7"	21' 0"	20' 7"	18' 0"	18' 2"	18' 2"	16' 4"
						16	22' 3"	21' 5"	18' 8"	18' 2"	18' 2"	16' 4"	15' 9"	15' 9"	14' 10"
						24	18' 2"	18' 2"	16' 4"	14' 10"	14' 10"	14' 3"	12' 7"	12' 7"	12' 7"
600S125-xx	6	18	25	0.0188	0.48	12	17' 4"	17' 4"	17' 4"	11' 6"	11' 6"	11' 6"	8' 8"	8' 8"	8' 8"
						16	13' 0"	13' 0"	13' 0"	8' 8"	8' 8"	8' 8"	6' 6"	6' 6"	6' 6"
						24	8' 8"	8' 8"	8' 8"	5' 9"	5' 9"	5' 9"	4' 4"	4' 4"	4' 4"
		27	22	0.0283	0.72	12	24' 11"	24' 4"	21' 3"	20' 4"	20' 4"	18' 7"	17' 7"	17' 7"	16' 10"
						16	21' 7"	21' 7"	19' 4"	17' 7"	17' 7"	16' 10"	15' 3"	15' 3"	15' 3"
						24	17' 7"	17' 7"	16' 10"	13' 7"	13' 7"	13' 7"	10' 2"	10' 2"	10' 2"
		30	20	0.0312	0.79	12	26' 10"	25' 2"	22' 0"	21' 11"	21' 11"	19' 3"	19' 0"	19' 0"	17' 6"
						16	23' 3"	22' 11"	20' 0"	19' 0"	19' 0"	17' 6"	16' 5"	16' 5"	15' 10"
						24	19' 0"	19' 0"	17' 6"	15' 6"	15' 6"	15' 3"	12' 5"	12' 5"	12' 5"

*Visit **www.steelnetwork.com** for information on all of our quality products!*







Material Composition

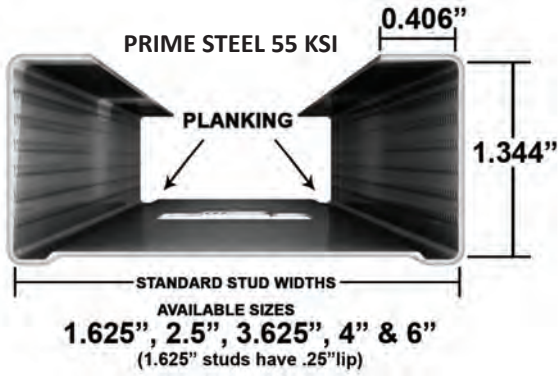
ASTM A653/A 653M Structural Steel Grade 55 (380), with 55ksi (380MPa) minimum yield strength and 70ksi (480MPa) minimum tensile strength. Coating is G40 (Z120) hot-dipped galvanized, or equivalent conforming to ASTM C 645. Steel material with G60 and G90 coating are available upon request.

Physical Properties of Non-Standard Non-Structural CFS Framing Members

Section	Mil Thickness	Design Thickness	Gross Properties						Effective Properties		Moments			
			Area	Weight	I_x	R_x	I_y	R_y	I_{xd}	S_x	Allowable M_a	Nominal M_n	Dist. Buck. M_{nd}	Unbraced Length L_u
	(mils)	(in)	(in^2)	(lbs/ft)	(in^4)	(in)	(in^4)	(in)	(in^4)	(in^3)	(in-k)	(in-k)	(in-k)	(in)
162PWS134-21NS, 55ksi	21	0.0221	0.102	0.346	0.048	0.689	0.025	0.493	0.041	0.037	1.21	2.02	2.17	24.7
250PWS134-19NS, 55ksi	19	0.0200	0.116	0.395	0.120	1.019	0.031	0.517	0.110	0.065	2.15	4.04	3.60	27.3
362PWS134-19NS, 55ksi	19	0.0200	0.138	0.471	0.283	1.430	0.035	0.504	0.254	0.094	3.09	5.17	5.34	26.6
400PWS134-19NS, 55ksi	19	0.0200	0.146	0.497	0.356	1.562	0.036	0.498	0.313	0.104	3.43	5.72	5.92	26.5
600PWS134-21NS, 55ksi[1]	21	0.0221	0.205	0.699	1.027	2.237	0.045	0.466	0.851	0.169	5.57	9.29	10.59	25.7

Table Notes

1. Section properties and nominal moments are based on AISI S100-07.
2. Superscript "1" denotes that the web height-to-thickness ratio exceeds 260.
3. Strength increase due to cold-work of forming is not considered in the analysis.
4. Standard punchouts are considered in the calculation of nominal moments.
5. Rotational stiffness (k_ϕ) is taken equals to zero for calculation of the distortional buckling moment.
6. PWS stud is considered fully braced when the unbraced length is less than the listed L_u.



Allowable Ceiling Spans

Section	4 psf						6 psf					
	Lateral Support of Compression Flange						Lateral Support of Compression Flange					
	Unsupported			Midspan			Unsupported			Midspan		
	Joist Spacing (in.) o.c.			Joist Spacing (in.) o.c.			Joist Spacing (in.) o.c.			Joist Spacing (in.) o.c.		
	12	16	24	12	16	24	12	16	24	12	16	24
L/240												
162PWS134-21NS, 55ksi	8' 1" f	7' 6" f	6' 7" f	8' 9"	7' 11"	6' 11"	7' 3" f	6' 7" f	5' 10" f	7' 8"	6' 11"	6' 1"
250PWS134-19NS, 55ksi	9' 6" f	8' 9" f	7' 11" f	12' 1"	11' 0"	9' 7"	8' 6" f	7' 11" f	7' 1" f	10' 7"	9' 7"	8' 5"
362PWS134-19NS, 55ksi	10' 4" f	9' 7" f	8' 7" f	14' 3" f	13' 1" f	11' 8" f	9' 3" f	8' 7" f	7' 8" f	12' 8" f	11' 8" f	10' 4" f
400PWS134-19NS, 55ksi	10' 7" f	9' 10" f	8' 10" f	14' 8" f	13' 6" f	12' 0" f	9' 6" f	8' 10" f	7' 11" f	13' 0" f	12' 0" f	10' 8" f
600PWS134-21NS, 55ksi	12' 6" f	11' 7" f	10' 5" f	17' 4" f	16' 0" f	14' 4" f	11' 3" f	10' 5" f	9' 4" f	15' 6" f	14' 4" f	12' 10" f
L/360												
162PWS134-21NS, 55ksi	7' 8"	6' 11"	6' 1"	7' 8"	6' 11"	6' 1"	6' 8"	6' 1"	5' 3"	6' 8"	6' 1"	5' 3"
250PWS134-19NS, 55ksi	9' 6" f	8' 9" f	7' 11" f	10' 7"	9' 7"	8' 5"	8' 6" f	7' 11" f	7' 1" f	9' 3"	8' 5"	7' 4"
362PWS134-19NS, 55ksi	10' 4" f	9' 7" f	8' 7" f	14' 0"	12' 9"	11' 1"	9' 3" f	8' 7" f	7' 8" f	12' 3"	11' 1"	9' 8"
400PWS134-19NS, 55ksi	10' 7" f	9' 10" f	8' 10" f	14' 8" f	13' 6" f	11' 11"	9' 6" f	8' 10" f	7' 11" f	13' 0" f	11' 11"	10' 5"
600PWS134-21NS, 55ksi	12' 6" f	11' 7" f	10' 5" f	17' 4" f	16' 0" f	14' 4" f	11' 3" f	10' 5" f	9' 4" f	15' 6" f	14' 4" f	12' 10" f

Table Notes

1. "f": flexure controls, "s": shear controls. No letter next to the allowable span means deflection controls.
2. All values are based on total load of assembly, not including storage or accessible ceilings.
3. All values are for simple spans, with compression flange either unbraced or braced at midspan.

Allowable Loads for Screw Connections (pounds per screw)														
Member Style (Thickness designator)	Design Thickness	Min. Thickness	Yield	Tensile	#6 Screw (0.138" dia.; 1/4" head)			#8 Screw (0.164" dia.; 5/16" head)			#10 Screw (0.190" dia.; 0.340" head)			C645 Screw Test
			F_y	F_u	Shear	Pullout	Pullover	Shear	Pullout	Pullover	Shear	Pullout	Pullover	(P, F)
	(in)	(in)	(ksi)	(ksi)	(lbs)	(lbs)	(lbs)	(lbs)	(lbs)	(lbs)	(lbs)	(lbs)	(lbs)	
19	0.0200	0.0190	55	70	97	55	175	112	65	219	121	75	238	Pass
21	0.0221	0.0210	55	70	107	60	193	127	72	242	140	83	263	Pass

Table Notes

1. Data is based on calculated values in accordance with AISI S100-07 Section E4 for equal thicknesses joined together.
2. Pullover capacities are based on concentrically loaded connections that produce a uniform pull-over force on the fastener.

Table Notes cont'd

3. The edge distance, e, is taken as 1.5 times the screw shank diameter.
4. The design thickness, t, is used in the calculation of the allowable pullout strength.
5. The effective pullover resistance diameter, d'_w, is taken as the screw head diameter.
6. C645 screw penetration test is based on 3rd party independent testing.

Non-Composite Fully Braced Walls												
Section	L_u	Spacing	5 psf			7.5 psf			10 psf			
	(in)	(in o.c.)	L/120	L/240	L/360	L/120	L/240	L/360	L/120	L/240	L/360	
162PWS134-21NS, 55ksi	24.7	12	10' 3"	8' 1"	7' 1"	8' 11"	7' 1"	6' 2"	8' 1"	6' 5"	5' 7"	
	24.7	16	9' 4"	7' 4"	6' 5"	8' 1"	6' 5"	5' 7"	7' 4"	5' 10"	5' 1"	
	24.7	24	8' 1"	6' 5"	5' 7"	7' 1"	5' 7"	4' 11"	6' 4" f	5' 1"	4' 5"	
250PWS134-19NS, 55ksi	27.3	12	14' 2"	11' 3"	9' 10"	12' 5"	9' 10"	8' 7"	11' 3"	8' 11"	7' 9"	
	27.3	16	12' 10"	10' 3"	8' 11"	11' 3"	8' 11"	7' 9"	10' 3"	8' 1"	7' 1"	
	27.3	24	11' 3"	8' 11"	7' 9"	9' 9" f	7' 9"	6' 10"	8' 5" f	7' 1"	6' 2"	
362PWS134-19NS, 55ksi	26.6	12	18' 9"	14' 11"	13' 0"	16' 5"	13' 0"	11' 4"	14' 4" f	11' 10"	10' 4"	
	26.6	16	17' 1"	13' 6"	11' 10"	14' 4" f	11' 10"	10' 4"	12' 5" f	10' 9"	9' 4"	
	26.6	24	14' 4" f	11' 10"	10' 4"	11' 8" f	10' 4"	9' 0"	10' 1" f	9' 4"	8' 2"	
400PWS134-19NS, 55ksi	26.5	12	20' 2"	16' 0"	13' 11"	17' 5" f	13' 11"	12' 2"	15' 1" f	12' 8"	11' 1"	
	26.5	16	18' 4"	14' 6"	12' 8"	15' 1" f	12' 8"	11' 1"	13' 1" f	11' 6"	10' 1"	
	26.5	24	15' 1" f	12' 8"	11' 1"	12' 4" f	11' 1"	9' 8"	10' 8" f	10' 1"	8' 9"	
600PWS134-21NS, 55ksi	25.7	12	27' 2" f	22' 4"	19' 6"	22' 2" f	19' 6"	17' 0"	19' 3" f	17' 8"	15' 5"	
	25.7	16	23' 7" f	20' 3"	17' 8"	19' 3" f	17' 8"	15' 5"	16' 8" f	16' 1"	14' 0"	
	25.7	24	19' 3" f	17' 8"	15' 5"	15' 8" f	15' 5"	13' 6"	13' 7" f	13' 7" f	12' 3"	

Table Notes

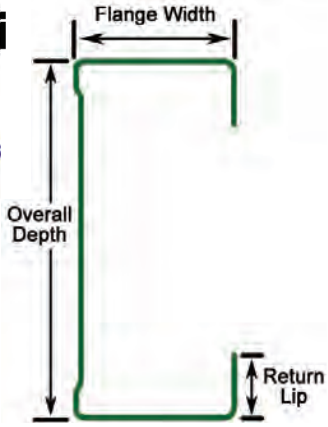
1. "f": flexure controls, "s": shear controls. No letter next to the allowable height means deflection controls.
2. All values are calculated based on AISI S100-07: steel properties only.
3. Web crippling is not considered.
4. Based on bracing of the stud not to exceed L_u.
5. The factory punchouts are in accordance with AISI S201-07 Section C5. The distance from the center of the last punchout to the end of the stud is 12".

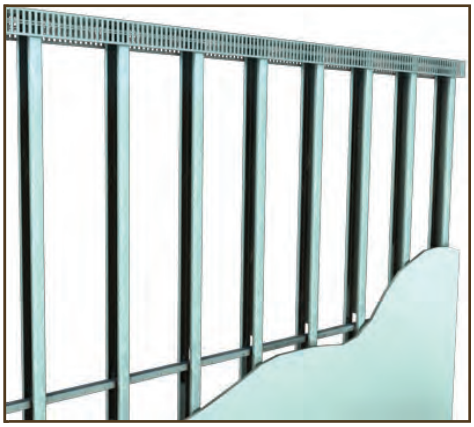
Non-Composite Walls Braced at 4' on Center											
Section	Similar to SFIA	Spacing	5 psf			7.5 psf			10 psf		
		(in o.c.)	L/120	L/240	L/360	L/120	L/240	L/360	L/120	L/240	L/360
162PWS134-21NS, 55ksi	162S125-30	12	10' 3"	8' 1"	7' 1"	8' 11"	7' 1"	6' 2"	7' 11" f	6' 5"	5' 7"
		16	9' 4"	7' 4"	6' 5"	7' 11" f	6' 5"	5' 7"	6' 11" f	5' 10"	5' 1"
		24	7' 11" f	6' 5"	5' 7"	6' 6" f	5' 7"	4' 11"	5' 7" f	5' 1"	4' 5"
250PWS134-19NS, 55ksi	250S125-30	12	14' 2"	11' 3"	9' 10"	12' 5"	9' 10"	8' 7"	11' 3"	8' 11"	7' 9"
		16	12' 10"	10' 3"	8' 11"	11' 3"	8' 11"	7' 9"	9' 11" f	8' 1"	7' 1"
		24	11' 3"	8' 11"	7' 9"	9' 5" f	7' 9"	6' 10"	8' 1" f	7' 1"	6' 2"
362PWS134-19NS, 55ksi	362S125-30	12	18' 5" f	14' 11"	13' 0"	15' 0" f	13' 0"	11' 4"	13' 0" f	11' 10"	10' 4"
		16	15' 11" f	13' 6"	11' 10"	13' 0" f	11' 10"	10' 4"	11' 3" f	10' 9"	9' 4"
		24	13' 0" f	11' 10"	10' 4"	10' 7" f	10' 4"	9' 0"	9' 2" f	9' 2" f	8' 2"
400PWS134-19NS, 55ksi	400S125-30	12	19' 4" f	16' 0"	13' 11"	15' 9" f	13' 11"	12' 2"	13' 8" f	12' 8"	11' 1"
		16	16' 9" f	14' 6"	12' 8"	13' 8" f	12' 8"	11' 1"	11' 10" f	11' 6"	10' 1"
		24	13' 8" f	12' 8"	11' 1"	11' 2" f	11' 1"	9' 8"	9' 8" f	9' 8" f	8' 9"
600PWS134-21NS, 55ksi	600S125-30	12	27' 0" f	22' 4"	19' 6"	22' 1" f	19' 6"	17' 0"	19' 1" f	17' 8"	15' 5"
		16	23' 5" f	20' 3"	17' 8"	19' 1" f	17' 8"	15' 5"	16' 6" f	16' 1"	14' 0"
		24	19' 1" f	17' 8"	15' 5"	15' 7" f	15' 5"	13' 6"	13' 6" f	13' 6" f	12' 3"

Table Notes

1. "f": flexure controls, "s": shear controls. No letter next to the allowable height means deflection controls.
2. All values are calculated based on AISI S100-07: steel properties only.
3. Web crippling is not considered.
4. Values based on discrete bracing of 48" o.c. restraining lateral and lateral/torsional buckling.
5. The factory punchouts are in accordance with AISI S201-07 Section C5. The distance from the center of the last punchout to the end of the stud is 12".

SFIA Certified EQ Stud





Material Composition

ASTM A653/A 653M Structural Steel Grade 55 (380), with 55ksi (380MPa) minimum yield strength and 70ksi (480MPa) minimum tensile strength. Coating is G40 (Z120) hot-dipped galvanized, or equivalent conforming to ASTM C 645. Steel material with G60 and G90 coating are available upon request.

Physical Properties of Non-Standard Non-Structural CFS Framing Members

Section	Similar To SFIA	Mil Thickness	Design Thickness	Gross Properties						Effective Properties		Moments			
				Area	Weight	I_x	R_x	I_y	R_y	I_{xd}	S_x	Allowable M_a	Nominal M_n	Dist. Buck. M_{nd}	Unbraced Length L_u
		(mils)	(in)	(in^2)	(lbs/ft)	(in^4)	(in)	(in^4)	(in)	(in^4)	(in^3)	(in-k)	(in-k)	(in-k)	(in)
362PWS134-19NS, 55ksi	362S125-30	19	0.0200	0.138	0.471	0.283	1.430	0.035	0.504	0.254	0.094	3.09	5.17	5.34	26.6
600PWS134-21NS, 55ksi[1]	600S125-30	21	0.0221	0.205	0.699	1.027	2.237	0.045	0.466	0.851	0.169	5.57	9.29	10.59	25.7

Table Notes

1. Section properties and nominal moments are based on AISI S100-07.
2. Superscript "1" denotes that the web height-to-thickness ratio exceeds 260.
3. Strength increase due to cold-work of forming is not considered in the analysis.
4. Standard punchouts are considered in the calculation of nominal moments.

Table Notes cont'd

5. Rotational stiffness (k_ϕ) is taken equals to zero for calculation of the distortional buckling moment.
6. PWS stud is considered fully braced when the unbraced length is less than the listed L_u.

Composite Limiting Heights with 5/8" Type X Gypsum Board

Section	Similar to SFIA	Spacing	5 psf			7.5 psf			10 psf		
		(in. o.c.)	L/120	L/240	L/360	L/120	L/240	L/360	L/120	L/240	L/360
362PWS134-19NS, 55ksi	362S125-30	12	22' 7"	18' 7"	16' 4"	19' 8"	16' 3"	14' 3"	17' 11"	14' 9"	12' 11"
		16	20' 6"	16' 11"	14' 10"	17' 11"	14' 9"	12' 11"	16' 2" f	13' 5"	11' 9"
		24	17' 11"	14' 9"	12' 11"	15' 3" f	12' 11"	11' 2"	13' 3" f	11' 9"	9' 11"
600PWS134-21NS, 55ksi	600S125-30	12	30' 3"	26' 9"	23' 5"	26' 10"	23' 4"	20' 5"	24' 2" f	21' 2"	18' 7"
		16	27' 9"	24' 3"	21' 3"	24' 2" f	21' 2"	18' 7"	20' 11" f	19' 3"	16' 10"
		24	24' 2" f	21' 2"	18' 7"	19' 9" f	18' 6"	16' 3"	17' 1" f	16' 10"	14' 7"

Table Notes

1. Composite limiting heights are based on testing according to ICC-ES AC86-2010.
2. Composite limiting heights are based on gypsum board applied full height to each stud flange and installed using minimum No. 6 Type S Drywall screws.
3. No fasteners are required for attaching the stud to the track, except as required by ASTM C754.
4. 'f' adjacent to the height value indicates that flexural stress controls the allowable wall height.

Allowable Loads for Screw Connections (pounds per screw)

Member Style (Thickness designator)	Design Thickness	Minimum Thickness	Yield	Tensile	#6 Screw (0.138" dia.; 1/4" head)			#8 Screw (0.164" dia.; 5/16" head)			#10 Screw (0.190" dia.; 0.340" head)			C645 Screw Test
			F_y	F_u	Shear	Pullout	Pullover	Shear	Pullout	Pullover	Shear	Pullout	Pullover	(P, F)
	(in)	(in)	(ksi)	(ksi)	(lbs)	(lbs)	(lbs)	(lbs)	(lbs)	(lbs)	(lbs)	(lbs)	(lbs)	
19	0.0200	0.0190	55	70	97	55	175	112	65	219	121	75	238	Pass
21	0.0221	0.0210	55	70	107	60	193	127	72	242	140	83	263	Pass

Table Notes

1. Data is based on calculated values in accordance with AISI S100-07 Section E4 for equal thicknesses joined together.
2. Pullover capacities are based on concentrically loaded connections that produce a uniform pull-over force on the fastener.
3. The edge distance, e, is taken as 1.5 times the screw shank diameter.
4. The design thickness, t, is used in the calculation of the allowable pullout strength.
5. The effective pullover resistance diameter, d'w, is taken as the screw head diameter.
6. C645 screw penetration test is based on 3rd party independent testing.

SFIA LISTED STEELFRAMINGASSOCIATION.ORG

Check the latest list of SFIA Certified Production Facilities at Architectural Testing, Inc.'s Website: ***http://www.archtest.com/certification/SFIA_SteelFraming.aspx***

Allowable Ceiling Spans														
Section	Similar to SFIA	F_y	4 psf						6 psf					
			Lateral Support of Compression Flange						Lateral Support of Compression Flange					
			Unsupported			Midspan			Unsupported			Midspan		
			Joist Spacing (in.) o.c.			Joist Spacing (in.) o.c.			Joist Spacing (in.) o.c.			Joist Spacing (in.) o.c.		
		(ksi)	12	16	24	12	16	24	12	16	24	12	16	24
L/240														
362PWS134-19NS, 55ksi	362S125-30	55	10' 4" f	9' 7" f	8' 7" f	14' 3" f	13' 1" f	11' 8" f	9' 3" f	8' 7" f	7' 8" f	12' 8" f	11' 8" f	10' 4" f
600PWS134-21NS, 55ksi	600S125-30	55	12' 6" f	11' 7" f	10' 5" f	17' 4" f	16' 0" f	14' 4" f	11' 3" f	10' 5" f	9' 4" f	15' 6" f	14' 4" f	12' 10" f
L/360														
362PWS134-19NS, 55ksi	362S125-30	55	10' 4" f	9' 7" f	8' 7" f	14' 0"	12' 9"	11' 1"	9' 3" f	8' 7" f	7' 8" f	12' 3"	11' 1"	9' 8"
600PWS134-21NS, 55ksi	600S125-30	55	12' 6" f	11' 7" f	10' 5" f	17' 4" f	16' 0" f	14' 4" f	11' 3" f	10' 5" f	9' 4" f	15' 6" f	14' 4" f	12' 10" f

Table Notes

1. "f": flexure controls, "s": shear controls. No letter next to the allowable span means deflection controls.
2. All values are based on total load of assembly, not including storage or accessible ceilings.
3. All values are for simple spans, with compression flange either unbraced or braced at midspan.

Non-Composite Fully Braced Walls											
Section	Similar to SFIA	L_u	Spacing	5 psf			7.5 psf			10 psf		
		(in)	(in o.c.)	L/120	L/240	L/360	L/120	L/240	L/360	L/120	L/240	L/360
362PWS134-19NS, 55ksi	362S125-30	26.6	12	18' 9"	14' 11"	13' 0"	16' 5"	13' 0"	11' 4"	14' 4" f	11' 10"	10' 4"
		26.6	16	17' 1"	13' 6"	11' 10"	14' 4" f	11' 10"	10' 4"	12' 5" f	10' 9"	9' 4"
		26.6	24	14' 4" f	11' 10"	10' 4"	11' 8" f	10' 4"	9' 0"	10' 1" f	9' 4"	8' 2"
600PWS134-21NS, 55ksi	600S125-30	25.7	12	27' 2" f	22' 4"	19' 6"	22' 2" f	19' 6"	17' 0"	19' 3" f	17' 8"	15' 5"
		25.7	16	23' 7" f	20' 3"	17' 8"	19' 3" f	17' 8"	15' 5"	16' 8" f	16' 1"	14' 0"
		25.7	24	19' 3" f	17' 8"	15' 5"	15' 8" f	15' 5"	13' 6"	13' 7" f	13' 7" f	12' 3"

Table Notes

1. "f": flexure controls, "s": shear controls. No letter next to the allowable height means deflection controls.
2. All values are calculated based on AISI S100-07: steel properties only.
3. Web crippling is not considered.

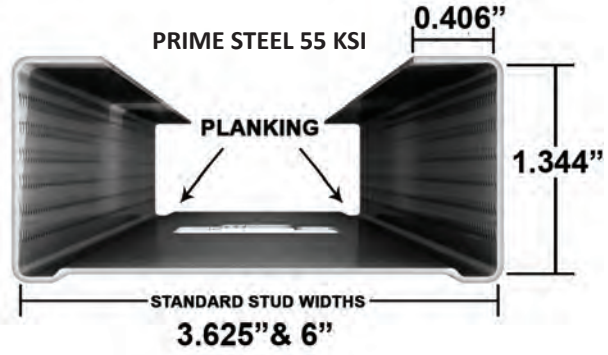
Table Notes con't

4. Based on bracing of the stud not to exceed L_u.
5. The factory punchouts are in accordance with AISI S201-07 Section C5. The distance from the center of the last punchout to the end of the stud is 12".

Non-Composite Walls Braced at 4' on Center											
Section	Similar to SFIA	Spacing	5 psf			7.5 psf			10 psf		
		(in. o.c.)	L/120	L/240	L/360	L/120	L/240	L/360	L/120	L/240	L/360
362PWS134-19NS, 55ksi	362S125-30	12	18' 5" f	14' 11"	13' 0"	15' 0" f	13' 0"	11' 4"	13' 0" f	11' 10"	10' 4"
		16	15' 11" f	13' 6"	11' 10"	13' 0" f	11' 10"	10' 4"	11' 3" f	10' 9"	9' 4"
		24	13' 0" f	11' 10"	10' 4"	10' 7" f	10' 4"	9' 0"	9' 2" f	9' 2" f	8' 2"
600PWS134-21NS, 55ksi	600S125-30	12	27' 0" f	22' 4"	19' 6"	22' 1" f	19' 6"	17' 0"	19' 1" f	17' 8"	15' 5"
		16	23' 5" f	20' 3"	17' 8"	19' 1" f	17' 8"	15' 5"	16' 6" f	16' 1"	14' 0"
		24	19' 1" f	17' 8"	15' 5"	15' 7" f	15' 5"	13' 6"	13' 6" f	13' 6" f	12' 3"

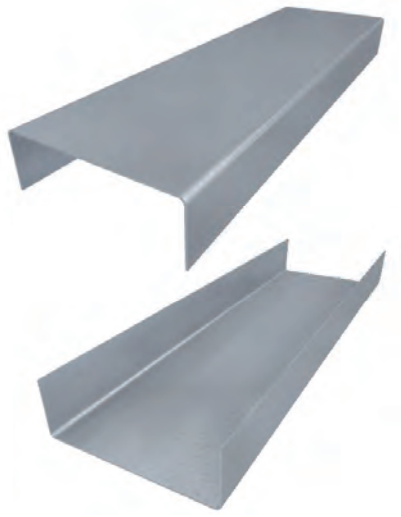
Table Notes

1. "f": flexure controls, "s": shear controls. No letter next to the allowable height means deflection controls.
2. All values are calculated based on AISI S100-07: steel properties only.
3. Web crippling is not considered.
4. Values based on discrete bracing of 48" o.c. restraining lateral and lateral/torsional buckling.
5. The factory punchouts are in accordance with AISI S201-07 Section C5. The distance from the center of the last punchout to the end of the stud is 12".



Check the latest list of SFIA Certified Production Facilities at Architectural Testing, Inc.'s Website: ***http://www.archtest.com/certification/SFIA_SteelFraming.aspx***

SFIA LISTED STEELFRAMINGASSOCIATION.ORG



Material Composition

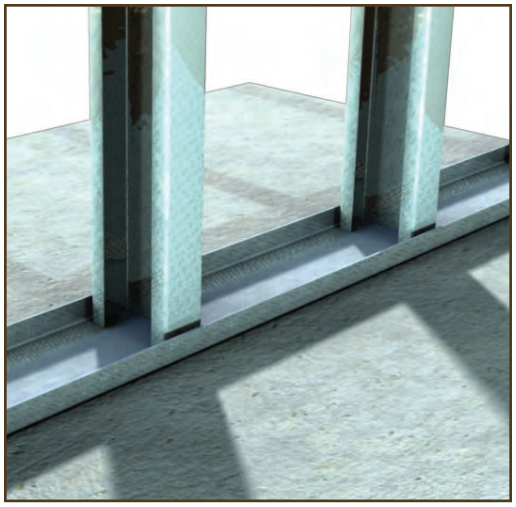
ASTM A1003/A 1003M Non Structural Grade 33 (230), 33 ksi (230 MPa) minimum yield strength, G40 (Z120) hot-dipped galvanized coating, or equivalent conforming to ASTM C645. Other steel materials with G40 coating are also available upon request.

Important Table Notes

1. Calculated properties are based on AISI S100-07, North American Specification for the Design of Cold-Formed Steel Structural Members.
2. The centerline bend radius is based upon inside corner radii shown in the Thickness Table in SFIA Technical Guide for Cold-Formed Steel Framing Products.
3. Effective properties incorporate the strength increase from the cold work of forming as applicable per AISI S100-07 Sec. A7.2.
4. Tabulated gross properties, including torsional properties, are based upon full-unreduced cross section of the tracks.
5. For deflection calculations, use the effective moment of inertia.

Non-Structural PrimeWall® Track Section Properties																		
Section	Design Thickness	Gross							Effective - 33ksi				Torsional					
		Area	Weight	I_x	S_x	R_x	I_y	R_y	I_x	S_x	M_a	V_{ag}	Jx1000	C_w	X_o	m	R_o	β
	(in)	(in^2)	(lb/ft)	(in^4)	(in^3)	(in)	(in^4)	(in)	(in^4)	(in^3)	(in-k)	(lb)	(in^4)	(in^6)	(in)	(in)	(in)	
162T125-18	0.0188	0.078	0.26	0.042	0.048	0.733	0.013	0.411	0.030	0.025	0.50	302	0.009	0.007	-0.876	0.503	1.215	0.479
162T125-27	0.0283	0.117	0.40	0.063	0.072	0.735	0.020	0.410	0.051	0.044	0.87	541	0.031	0.010	-0.872	0.501	1.211	0.482
162T125-30	0.0312	0.129	0.44	0.070	0.079	0.735	0.022	0.409	0.057	0.050	1.00	597	0.042	0.012	-0.870	0.500	1.210	0.483
250T125-18	0.0188	0.094	0.32	0.104	0.079	1.052	0.015	0.400	0.078	0.044	0.88	245	0.011	0.018	-0.767	0.460	1.362	0.682
250T125-27	0.0283	0.141	0.48	0.157	0.119	1.053	0.022	0.398	0.129	0.079	1.56	685	0.038	0.027	-0.763	0.457	1.360	0.685
250T125-30	0.0312	0.156	0.53	0.173	0.131	1.053	0.025	0.397	0.145	0.090	1.77	832	0.051	0.030	-0.762	0.456	1.359	0.686
350T125-18	0.0188	0.113	0.38	0.220	0.121	1.395	0.017	0.382	0.174	0.062	1.22	173	0.013	0.038	-0.675	0.418	1.596	0.821
350T125-27	0.0283	0.170	0.58	0.331	0.182	1.396	0.025	0.381	0.277	0.128	2.53	590	0.045	0.057	-0.670	0.416	1.595	0.823
350T125-30	0.0312	0.187	0.64	0.365	0.200	1.396	0.027	0.380	0.312	0.145	2.86	790	0.061	0.063	-0.669	0.415	1.594	0.824
362T125-18	0.0188	0.115	0.39	0.238	0.127	1.437	0.017	0.380	0.189	0.064	1.26	167	0.014	0.042	-0.665	0.413	1.628	0.833
362T125-27	0.0283	0.173	0.59	0.358	0.191	1.438	0.025	0.378	0.301	0.135	2.66	569	0.046	0.062	-0.661	0.411	1.627	0.835
362T125-30	0.0312	0.191	0.65	0.395	0.210	1.438	0.027	0.378	0.339	0.152	3.01	762	0.062	0.068	-0.659	0.410	1.627	0.836
400T125-18[1]	0.0188	0.122	0.42	0.298	0.145	1.562	0.017	0.374	0.241	0.070	1.39	151	0.014	0.052	-0.637	0.400	1.727	0.864
400T125-27	0.0283	0.184	0.63	0.449	0.217	1.562	0.025	0.372	0.380	0.156	3.08	515	0.049	0.078	-0.633	0.398	1.726	0.866
400T125-30	0.0312	0.203	0.69	0.495	0.239	1.563	0.028	0.371	0.427	0.176	3.49	689	0.066	0.085	-0.632	0.397	1.726	0.866
550T125-27	0.0283	0.226	0.77	1.045	0.336	2.046	0.027	0.348	0.786	0.192	3.79	372	0.060	0.160	-0.543	0.352	2.146	0.936
550T125-30	0.0312	0.250	0.85	1.159	0.371	2.047	0.030	0.347	0.897	0.226	4.47	499	0.081	0.176	-0.542	0.351	2.145	0.936
600T125-27[1]	0.0283	0.241	0.82	1.169	0.381	2.204	0.028	0.340	0.958	0.211	4.16	341	0.064	0.196	-0.519	0.339	2.290	0.949
600T125-30	0.0312	0.265	0.90	1.288	0.420	2.204	0.031	0.340	1.095	0.249	4.92	456	0.086	0.215	-0.518	0.338	2.290	0.949

[1] Web height to thicknes ratio exceeds 200. Web stiffeners are required at all support points and concentrated loads.

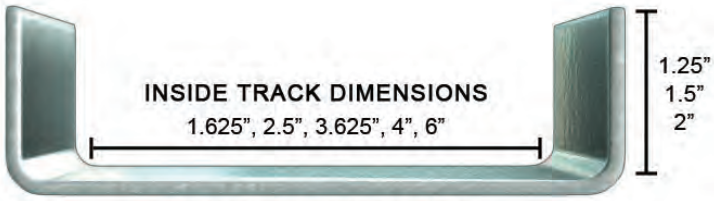


Material Composition

PrimeWall EQ Track is made of cold-formed steel coils conforming to ASTM A653/A 653M Structural Steel Grade 55 (380), with 55ksi (380MPa) minimum yield strength and 70ksi (480MPa) minimum tensile strength. Coating is G40 (Z120) hot-dipped galvanized, or equivalent conforming to ASTM C 645. Steel material with G60 and G90 coating are available upon request.

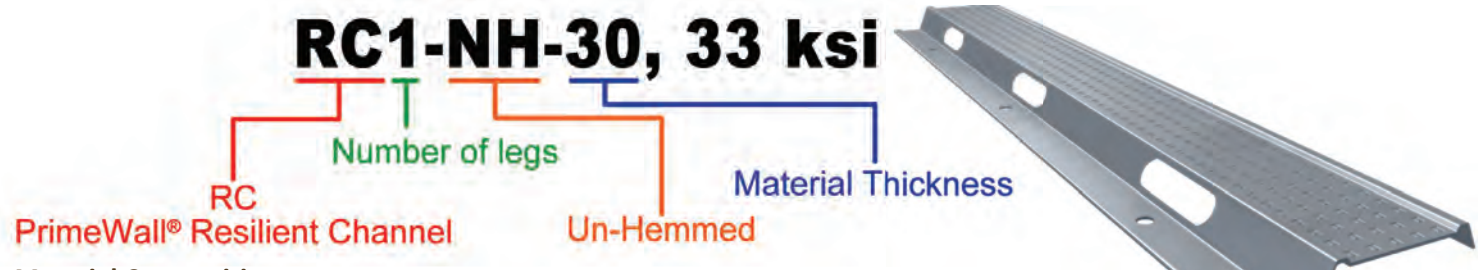
Important Table Notes

1. Section properties are in accordance with AISI S100-07.
2. Cold-work of forming is not included in calculations of properties.
3. The effective moment of inertia for deflection is calculated based on AISI S100-07 for serviceability determination.
4. The centerline bend radius is calculated for each section based on an inside bend radius R = 0.06 in.
5. Web depth-to-thickness ratio exceeds 260



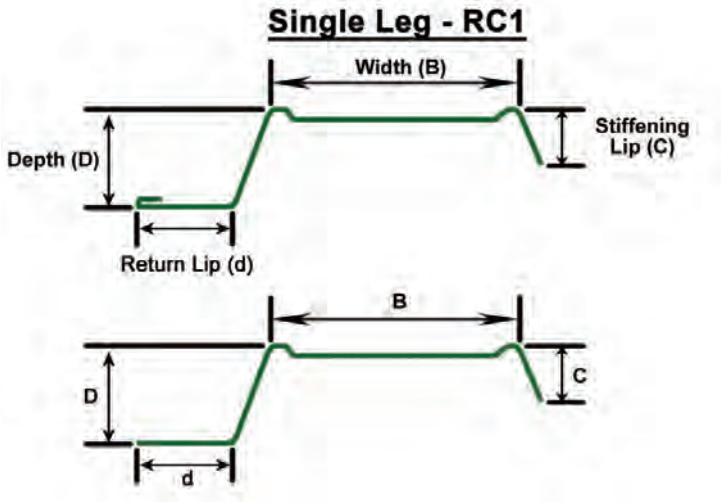
PRIME STEEL 55 KSI

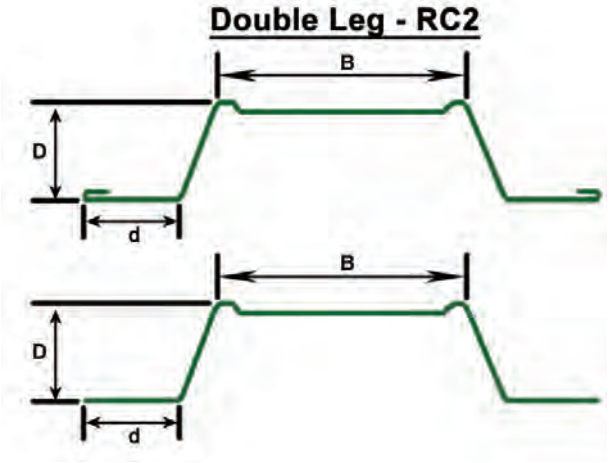
Physical Properties of Non-Standard Non-Structural CFS Framing Tracks																	
Section	Weight	Design Thickness	Gross Properties							Effective Properties			Torsional Properties				
			Area	I_x	S_x	R_x	I_y	S_y	R_y	I_{xe}	S_{xe}	M_{al}	Jx1000	C_w	X_o	R_o	β
	(lb/ft)	(in)	(in^2)	(in^4)	(in^3)	(in)	(in^4)	(in^3)	(in)	(in^4)	(in^3)	(in-k)	(in^4)	(in^6)	(in)	(in)	
162PWT125-19NS, 55ksi	0.277	0.02	0.081	0.040	0.048	0.703	0.014	0.016	0.412	0.026	0.023	0.76	0.011	0.006	-0.895	1.210	0.453
250PWT125-19NS, 55ksi	0.336	0.02	0.099	0.103	0.081	1.023	0.016	0.017	0.400	0.072	0.037	1.22	0.013	0.017	-0.782	1.349	0.664
250PWT150-19NS, 55ksi	0.370		0.109	0.119	0.094	1.047	0.026	0.024	0.489	0.075	0.037	1.21	0.015	0.028	-0.998	1.527	0.573
250PWT200-19NS, 55ksi	0.438		0.129	0.151	0.119	1.083	0.056	0.041	0.661	0.079	0.037	1.20	0.017	0.062	-1.446	1.924	0.435
362PWT125-19NS, 55ksi	0.413	0.02	0.121	0.241	0.132	1.411	0.018	0.018	0.381	0.156	0.054	1.78	0.016	0.041	-0.676	1.610	0.824
362PWT150-19NS, 55ksi	0.447		0.131	0.275	0.150	1.446	0.029	0.025	0.471	0.162	0.054	1.79	0.018	0.067	-0.875	1.754	0.751
362PWT200-19NS, 55ksi	0.515		0.151	0.341	0.186	1.501	0.064	0.043	0.648	0.172	0.054	1.79	0.020	0.146	-1.294	2.086	0.615
400PWT125-19NS, 55ksi	0.438	0.02	0.129	0.304	0.150	1.536	0.018	0.018	0.375	0.192	0.060	1.97	0.017	0.052	-0.647	1.708	0.856
400PWT150-19NS, 55ksi	0.472		0.139	0.344	0.170	1.575	0.030	0.026	0.464	0.200	0.060	1.98	0.019	0.085	-0.841	1.844	0.792
400PWT200-19NS, 55ksi	0.540		0.159	0.425	0.210	1.636	0.066	0.044	0.643	0.212	0.060	1.98	0.021	0.183	-1.251	2.157	0.664
600PWT125-19NS, 55ksi[5]	0.574	0.02	0.169	0.802	0.266	2.180	0.020	0.019	0.343	0.449	0.090	2.96	0.023	0.133	-0.529	2.269	0.946
600PWT150-19NS, 55ksi[5]	0.608		0.179	0.893	0.296	2.234	0.033	0.027	0.430	0.466	0.091	2.99	0.024	0.218	-0.699	2.380	0.914
600PWT200-19NS, 55ksi[5]	0.677		0.199	1.074	0.356	2.324	0.074	0.046	0.608	0.497	0.092	3.03	0.027	0.472	-1.066	2.628	0.835



Material Composition

ASTM A1003/A 1003M Non Structural Grade 33 (230), 33 ksi (230 MPa) minimum yield strength, G40 (Z120) hot-dipped galvanized coating, or equivalent conforming to ASTM C645.



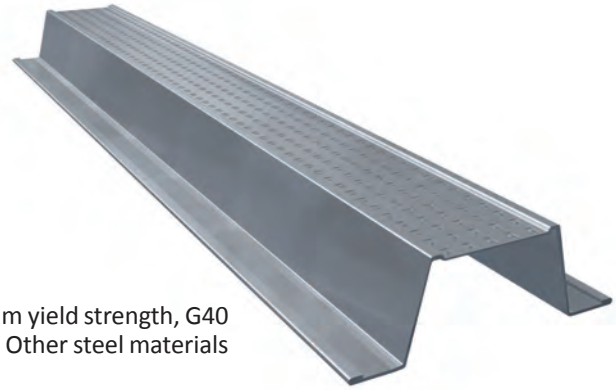


Important Table Notes

1. 18 mil resilient channel is hemmed; 30 mil resilient channel is unhemmed.
2. PrimeWall Furring Channel is produced to meet or exceed ASTM C645, A653, and A1003.
3. Galvanized sheet steel meets or exceeds requirements of ASTM A924 & A1003.

Product Profile									
Section	Width	Depth	Stiffening Lip	Return Lip	Gauge	Design Thickness	Minimum Steel Thickness	Inside Bend Radius	Weight
	B (in)	D (in)	C (in)	d (in)	(ga)	t (in)	t_{min} (in)	R (in)	(lbs/ft)
RC1-H-18, 33 ksi	1.25	0.5	0.25	0.5	25	0.0188	0.0179	0.0313	0.170
RC1-NH-30, 33 ksi	1.25	0.5	0.25	0.5	20	0.0312	0.0296	0.0313	0.270
RC2-H-18, 33 ksi	1.25	0.5	0.50	0.5	25	0.0188	0.0179	0.0313	0.228
RC2-NH-30, 33 ksi	1.25	0.5	0.50	0.5	20	0.0312	0.0296	0.0313	0.351

Gross Properties									
Section	Area	Moments of Inertia		S_x^1	S_x^2	S_y^1	S_y^2	Radii of Inertia	
	in^2	X (in^4)	Y (in^4)	in^3	in^3	in^3	in^3	X (in)	Y (in)
RC1-H-18, 33 ksi	0.0490	0.0017	0.0179	0.00914	0.00561	0.0186	0.0174	0.1841	0.6043
RC1-NH-30, 33 ksi	0.0781	0.0025	0.0269	0.01368	0.00785	0.0268	0.0269	0.1802	0.5871
RC2-H-18, 33 ksi	0.0648	0.0025	0.0383	0.01000	0.01040	0.0300	0.0300	0.1964	0.7684
RC2-NH-30, 33 ksi	0.1015	0.0039	0.0546	0.01604	0.01510	0.0428	0.0428	0.1954	0.7335



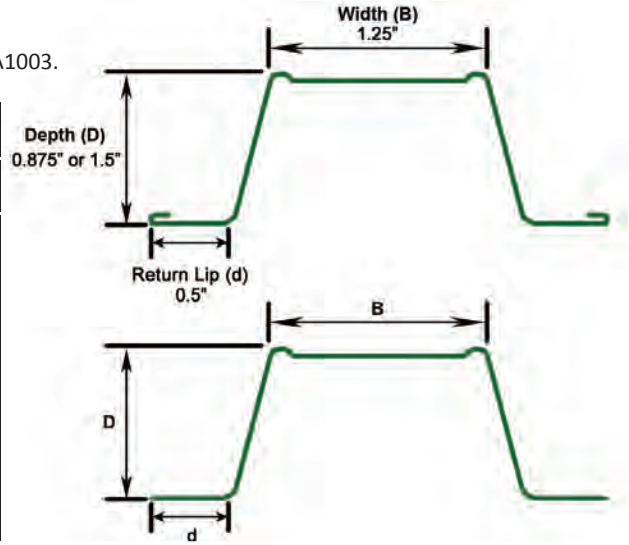
Material Composition

ASTM A1003/A 1003M Non Structural Grade 33 (230), 33 ksi (230 MPa) minimum yield strength, G40 (Z120) hot-dipped galvanized coating, or equivalent conforming to ASTM C645. Other steel materials with G40 coating are also available upon request.

Section	Product Profile							Gross Properties						Effective Properties			
	Width	Depth	Return Lip	Gauge	Design Thickness	Min Steel Thickness	Inside Bend Radius	Area	Weight	I_x	R_x	I_y	R_y	I_{xe}	S_{xe}	M_a	V_a
	(B)	(D)	(d)	(ga)	(t)	(t_{min})	(R)	(in^2)	(lbs/ft)	(in^4)	(in)	(in^4)	(in)	(in^4)	(in^3)	(in-k)	(lb)
087F125-18, 33 ksi	1.25	0.875	0.5	25	0.0188	0.0179	0.0843	0.072	0.244	0.009	0.354	0.035	0.698	0.008	0.016	0.319	255
087F125-30, 33 ksi	1.25	0.875	0.5	20	0.0312	0.0296	0.0781	0.118	0.401	0.014	0.350	0.056	0.691	0.014	0.031	0.612	420
087F125-43, 33 ksi	1.25	0.875	0.5	18	0.0451	0.0428	0.0712	0.168	0.572	0.020	0.345	0.079	0.684	0.020	0.043	0.852	599
150F125-18, 33 ksi	1.25	1.5	0.5	25	0.0188	0.0179	0.0843	0.095	0.324	0.031	0.572	0.052	0.742	0.029	0.034	0.681	261
150F125-30, 33 ksi	1.25	1.5	0.5	20	0.0312	0.0296	0.0781	0.157	0.534	0.051	0.568	0.085	0.735	0.050	0.064	1.271	429
150F125-43, 33 ksi	1.25	1.5	0.5	18	0.0451	0.0428	0.0712	0.225	0.764	0.071	0.563	0.119	0.728	0.071	0.091	1.796	613

Important Notes

1. 18 mil furring channel is hemmed; All other thicknesses are unhemmed.
2. PrimeWall Furring Channel is produced to meet or exceed ASTM C645, A653, and A1003.
3. Galvanized sheet steel meets or exceeds requirements of ASTM A924 & A1003.

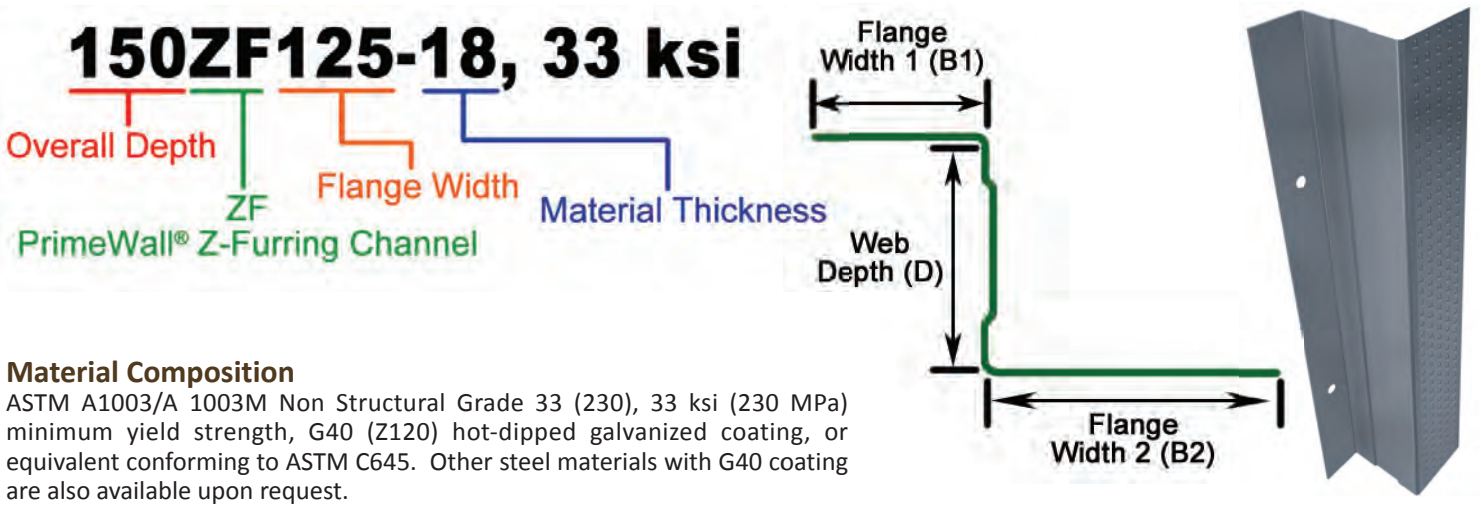


Furring Channel (F) Allowable Ceiling Spans - L/120										
Section	Span	4 psf			6 psf			13 psf		
		Channel Spacing (in) o.c.			Channel Spacing (in) o.c.			Channel Spacing (in) o.c.		
		12	16	24	12	16	24	12	16	24
087F125-18, 33 ksi	Single	6' 5"	5' 10"	5' 1"	5' 7"	5' 1"	4' 5"	4' 4"	3' 11"	3' 5"
	Multiple	7' 4"	6' 4"	5' 1"	5' 11"	5' 2"	4' 2"	4' 1"	3' 6"	2' 10"
087F125-30, 33 ksi	Single	7' 9"	7' 1"	6' 2"	6' 10"	6' 2"	5' 5"	5' 3"	4' 9"	4' 2"
	Multiple	9' 7"	8' 9"	7' 1"	8' 3"	7' 2"	5' 9"	5' 7"	4' 10"	3' 11"
087F125-43, 33 ksi	Single	8' 8"	7' 11"	6' 11"	7' 7"	6' 11"	6' 0"	5' 10"	5' 4"	4' 8"
	Multiple	10' 9"	9' 9"	8' 5"	9' 5"	8' 5"	6' 10"	6' 7"	5' 9"	4' 8"
150F125-18, 33 ksi	Single	9' 10"	8' 11"	7' 10"	8' 7"	7' 10"	6' 10"	6' 8"	6' 0"	5' 3"
	Multiple	10' 8"	9' 3"	7' 6"	8' 8"	7' 6"	6' 1"	5' 10"	4' 5"	2' 11"
150F125-30, 33 ksi	Single	11' 10"	10' 9"	9' 5"	10' 4"	9' 5"	8' 2"	8' 0"	7' 3"	6' 4"
	Multiple	14' 7"	12' 7"	10' 3"	11' 11"	10' 3"	8' 4"	8' 1"	7' 0"	5' 8"
150F125-43, 33 ksi	Single	13' 3"	12' 1"	10' 6"	11' 7"	10' 6"	9' 2"	8' 11"	8' 2"	7' 1"
	Multiple	16' 5"	14' 11"	12' 2"	14' 2"	12' 3"	9' 11"	9' 7"	8' 4"	6' 9"

Section	Span	Furring Channel (F) Allowable Ceiling Spans - L/240									Furring Channel (F) Allowable Ceiling Spans - L/360								
		4 psf			6 psf			13 psf			4 psf			6 psf			13 psf		
		Channel Spacing (in) o.c.			Channel Spacing (in) o.c.			Channel Spacing (in) o.c.			Channel Spacing (in) o.c.			Channel Spacing (in) o.c.			Channel Spacing (in) o.c.		
		12	16	24	12	16	24	12	16	24	12	16	24	12	16	24	12	16	24
087F125-18, 33 ksi	Single	5' 1"	4' 7"	4' 0"	4' 5"	4' 0"	3' 6"	3' 5"	3' 1"	2' 9"	4' 5"	4' 0"	3' 6"	3' 10"	3' 6"	3' 1"	3' 0"	2' 9"	2' 5"
	Multiple	6' 3"	5' 8"	5' 0"	5' 6"	5' 0"	4' 3"	4' 1"	3' 6"	2' 10"	5' 6"	5' 0"	4' 4"	4' 9"	4' 4"	3' 10"	3' 8"	3' 4"	2' 10"
087F125-30, 33 ksi	Single	6' 2"	5' 7"	4' 11"	5' 5"	4' 11"	4' 3"	4' 2"	3' 9"	3' 4"	5' 5"	4' 11"	4' 3"	4' 9"	4' 3"	3' 9"	3' 8"	3' 4"	2' 11"
	Multiple	7' 8"	6' 11"	6' 1"	6' 8"	6' 1"	5' 3"	5' 2"	4' 8"	4' 0"	6' 8"	6' 1"	5' 3"	5' 10"	5' 3"	4' 7"	4' 6"	4' 1"	3' 7"
087F125-43, 33 ksi	Single	6' 11"	6' 3"	5' 6"	6' 0"	5' 6"	4' 9"	4' 8"	4' 3"	3' 8"	6' 0"	5' 6"	4' 9"	5' 3"	4' 9"	4' 2"	4' 1"	3' 8"	3' 3"
	Multiple	8' 6"	7' 9"	6' 9"	7' 5"	6' 9"	5' 11"	5' 9"	5' 3"	4' 7"	7' 5"	6' 9"	5' 11"	6' 6"	5' 11"	5' 2"	5' 0"	4' 7"	4' 0"
150F125-18, 33 ksi	Single	7' 10"	7' 1"	6' 2"	6' 10"	6' 2"	5' 5"	5' 3"	4' 9"	4' 2"	6' 10"	6' 2"	5' 5"	5' 11"	5' 5"	4' 9"	4' 7"	4' 2"	3' 8"
	Multiple	9' 8"	8' 9"	7' 6"	8' 5"	7' 6"	6' 2"	5' 10"	4' 9"	3' 8"	8' 5"	7' 8"	6' 8"	7' 4"	6' 8"	5' 10"	5' 8"	4' 9"	3' 8"
150F125-30, 33 ksi	Single	9' 5"	8' 6"	7' 5"	8' 2"	7' 5"	6' 6"	6' 4"	5' 9"	5' 0"	8' 2"	7' 5"	6' 6"	7' 2"	6' 6"	5' 8"	5' 6"	5' 0"	4' 5"
	Multiple	11' 7"	10' 6"	9' 2"	10' 1"	9' 2"	8' 0"	7' 10"	7' 0"	5' 9"	10' 1"	9' 2"	8' 0"	8' 10"	8' 0"	7' 0"	6' 10"	6' 3"	5' 5"
150F125-43, 33 ksi	Single	10' 6"	9' 7"	8' 4"	9' 2"	8' 4"	7' 4"	7' 1"	6' 5"	5' 8"	9' 2"	8' 4"	7' 4"	8' 0"	7' 4"	6' 4"	6' 2"	5' 8"	4' 11"
	Multiple	13' 0"	11' 10"	10' 4"	11' 4"	10' 4"	9' 0"	8' 9"	8' 0"	6' 9"	11' 4"	10' 4"	9' 0"	9' 11"	9' 0"	7' 11"	7' 8"	7' 0"	6' 1"

Important Notes

1. Allowable ceiling spans are based on effective properties.
2. Single spans taken as the minimum span based on moment, shear, web crippling, or deflection.
3. Multiple span indicates two or more equal spans with channel continuous over center support.
4. Multiple span indicates two or more equal, continuous spans with span length measured support to support.
5. Multiple spans taken as minimum span based on moment, shear, web crippling, deflection, combined bending and shear, or combined bending and web crippling.
6. Web crippling values based on 1 inch bearing at end and interior supports.



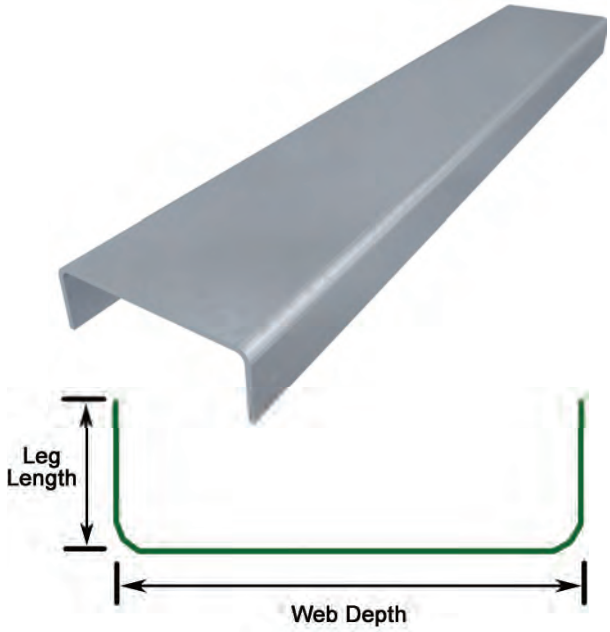
Material Composition

ASTM A1003/A 1003M Non Structural Grade 33 (230), 33 ksi (230 MPa) minimum yield strength, G40 (Z120) hot-dipped galvanized coating, or equivalent conforming to ASTM C645. Other steel materials with G40 coating are also available upon request.

Important Table Notes

1. PrimeWall Z-Furring Channel is produced to meet or exceed ASTM C645, A653, and A1003.
2. Galvanized sheet steel meets or exceeds requirements of ASTM A924 & A1003.

Product Profile								
Section	Web Depth	Flange Width	Flange Width	Gauge	Design Thickness	Minimum Steel Thickness	Inside Bend Radius	Weight
	(D)	(B1)	(B2)	(ga)	(t)	(t_{min})	(R)	(lbs/ft)
100ZF125-18, 33 ksi	1	0.75	1.25	25	0.0188	0.0179	0.0938	0.195
100ZF125-30, 33 ksi	1	0.75	1.25	20	0.0312	0.0296	0.0938	0.324
150ZF125-18, 33 ksi	1.5	0.75	1.25	25	0.0188	0.0179	0.0938	0.212
150ZF125-30, 33 ksi	1.5	0.75	1.25	20	0.0312	0.0296	0.0938	0.352
200ZF125-18, 33 ksi	2	0.75	1.25	25	0.0188	0.0179	0.0938	0.260
200ZF125-30, 33 ksi	2	0.75	1.25	20	0.0312	0.0296	0.0938	0.432



Material Composition

ASTM A1003/A 1003M Non Structural Grade 33 (230), 33 ksi (230 MPa) minimum yield strength, G40 (Z120) hot-dipped galvanized coating, or equivalent.

Section	Product Profile					
	Web Depth	Leg Length	Gauge	Design Thickness	Min Steel Thickness	Inside Bend Radius
	(D)	(B)	(ga)	(t)	(t_{min})	(R)
075U050-54, 33 ksi	0.75	0.5	16	0.0566	0.0538	0.0849
150U050-54, 33 ksi	1.5	0.5	16	0.0566	0.0538	0.0849

Section	Gross Properties						Effective Properties			
	Area	Weight	I_x	R_x	I_y	R_y	I_{xe}	S_{xe}	M_a	V_a
	(in^2)	(lbs/ft)	(in^4)	(in)	(in^4)	(in)	(in^4)	(in^3)	(in-k)	(lb)
075U050-54, 33 ksi	0.087	0.296	0.007	0.289	0.002	0.156	0.007	0.019	0.459	315
150U050-54, 33 ksi	0.130	0.441	0.039	0.547	0.003	0.146	0.039	0.052	1.230	840

Important Table Notes

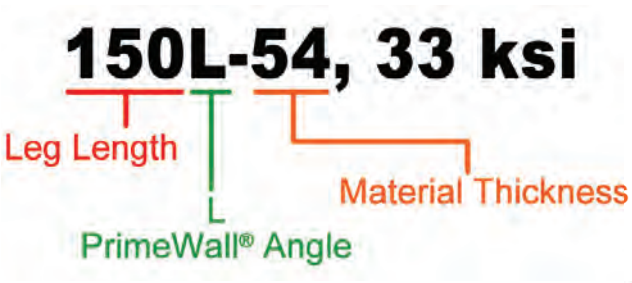
1. Section properties and capacities are calculated in accordance with AISI-NASPEC 2007.
2. Tabulated gross properties are based on the full, unreduced cross section of the cold-rolled channel.
3. For deflection calculations, use the effective moment of inertia (I_x). This I_x is calculated at a stress which results in a section modulus such that the stress times the section modulus at that stress is equal to the allowable moment. AISI S100-07 Procedure I for serviceability determination has been used.

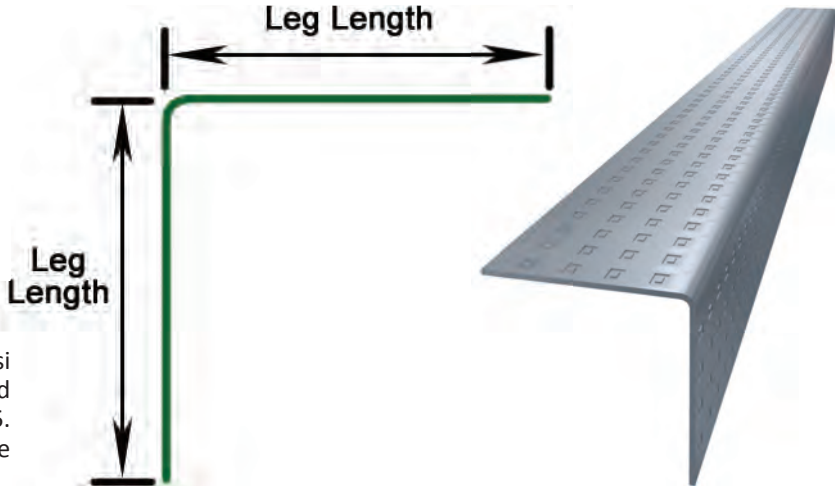
Cold Rolled Channel (U) Allowable Ceiling Spans - L/120																					
Section	Span	4 psf					6 psf					13 psf					15 psf				
		Channel Spacing (in) o.c.					Channel Spacing (in) o.c.					Channel Spacing (in) o.c.					Channel Spacing (in) o.c.				
		24	36	48	60	72	24	36	48	60	72	24	36	48	60	72	24	36	48	60	72
075U050-54, 33 ksi	Single	4' 10"	4' 1"	3' 7"	3' 3"	3' 0"	4' 1"	3' 5"	3' 0"	2' 9"	2' 6"	2' 11"	2' 5"	2' 2"	1' 11"	1' 9"	2' 9"	2' 4"	2' 0"	1' 10"	1' 8"
	Multiple	5' 5"	4' 6"	4' 2"	3' 10"	3' 5"	4' 6"	3' 11"	3' 5"	3' 2"	2' 11"	3' 5"	2' 9"	2' 4"	2' 1"	1' 11"	3' 1"	2' 7"	2' 2"	2' 0"	1' 9"
150U050-54, 33 ksi	Single	5' 6"	4' 10"	4' 5"	4' 1"	3' 10"	4' 10"	4' 3"	3' 10"	3' 7"	3' 5"	3' 9"	3' 4"	3' 0"	2' 9"	2' 7"	3' 7"	3' 2"	2' 10"	2' 7"	2' 5"
	Multiple	7' 1"	6' 2"	5' 8"	5' 3"	4' 11"	6' 2"	5' 5"	4' 11"	4' 7"	4' 4"	4' 10"	4' 2"	3' 9"	3' 4"	3' 0"	4' 7"	4' 0"	3' 6"	3' 1"	2' 9"
Cold Rolled Channel (U) Allowable Ceiling Spans - L/240																					
075U050-54, 33 ksi	Single	3' 11"	3' 5"	3' 1"	2' 11"	2' 9"	3' 5"	3' 0"	2' 9"	2' 6"	2' 4"	2' 8"	2' 4"	2' 1"	1' 11"	1' 9"	2' 6"	2' 2"	2' 0"	1' 10"	1' 8"
	Multiple	4' 10"	4' 2"	3' 10"	3' 7"	3' 4"	4' 2"	3' 8"	3' 4"	3' 1"	2' 10"	3' 3"	2' 9"	2' 4"	2' 1"	1' 11"	3' 1"	2' 7"	2' 2"	2' 0"	1' 9"
150U050-54, 33 ksi	Single	5' 6"	4' 10"	4' 5"	4' 1"	3' 10"	4' 10"	4' 3"	3' 10"	3' 7"	3' 5"	3' 9"	3' 4"	3' 0"	2' 9"	2' 7"	3' 7"	3' 2"	2' 10"	2' 7"	2' 5"
	Multiple	7' 1"	6' 2"	5' 8"	5' 3"	4' 11"	6' 2"	5' 5"	4' 11"	4' 7"	4' 4"	4' 10"	4' 2"	3' 9"	3' 4"	3' 0"	4' 7"	4' 0"	3' 6"	3' 1"	2' 9"
Cold Rolled Channel (U) Allowable Ceiling Spans - L/360																					
075U050-54, 33 ksi	Single	3' 5"	3' 0"	2' 9"	2' 6"	2' 4"	3' 0"	2' 7"	2' 4"	2' 2"	2' 1"	2' 4"	2' 0"	1' 10"	1' 8"	1' 7"	2' 2"	1' 11"	1' 9"	1' 7"	1' 6"
	Multiple	4' 2"	3' 8"	3' 4"	3' 1"	2' 11"	3' 8"	3' 2"	2' 11"	2' 8"	2' 7"	2' 10"	2' 6"	2' 3"	2' 1"	1' 11"	2' 8"	2' 4"	2' 2"	2' 0"	1' 9"
150U050-54, 33 ksi	Single	5' 6"	4' 10"	4' 5"	4' 1"	3' 10"	4' 10"	4' 3"	3' 10"	3' 7"	3' 5"	3' 9"	3' 4"	3' 0"	2' 9"	2' 7"	3' 7"	3' 2"	2' 10"	2' 7"	2' 5"
	Multiple	7' 1"	6' 2"	5' 8"	5' 3"	4' 11"	6' 2"	5' 5"	4' 11"	4' 7"	4' 4"	4' 10"	4' 2"	3' 9"	3' 4"	3' 0"	4' 7"	4' 0"	3' 6"	3' 1"	2' 9"

Important Table Notes

1. Allowable ceiling spans are based on effective properties.
2. Multiple span indicates two or more equal spans with channel continuous over center support.
3. Bearing length is equal to 0.75 inches.
4. Table values are based on the compression flanged laterally unsupported.

Multi-Purpose Angle





Material Composition

ASTM A1003/A 1003M Non Structural Grade 33 (230), 33 ksi (230 MPa) minimum yield strength, G40 (Z120) hot-dipped galvanized coating, or equivalent conforming to ASTM C645. Other steel materials with G40 coating are also available upon request.

Product Profile						
Section	Leg Length (B)	Gauge (ga)	Design Thickness (t)	Min Steel Thickness (t_{min})	Inside Bend Radius (R)	Weight (lbs/ft)
150L-18, 33 ksi	1.5	25	0.0188	0.0179	0.0625	0.195
150L-30, 33 ksi	1.5	20	0.0312	0.0296	0.0625	0.324
150L-43, 33 ksi	1.5	18	0.0451	0.0428	0.0625	0.468
150L-54, 33 ksi	1.5	16	0.0566	0.0538	0.0625	0.588
200L-18, 33 ksi	2	25	0.0188	0.0179	0.0625	0.260
200L-30, 33 ksi	2	20	0.0312	0.0296	0.0625	0.432
200L-43, 33 ksi	2	18	0.0451	0.0428	0.0625	0.624
200L-54, 33 ksi	2	16	0.0566	0.0538	0.0625	0.783
300L-18, 33 ksi	3	25	0.0188	0.0179	0.0625	0.391
300L-30, 33 ksi	3	20	0.0312	0.0296	0.0625	0.649
300L-43, 33 ksi	3	18	0.0451	0.0428	0.0625	0.937
300L-54, 33 ksi	3	16	0.0566	0.0538	0.0625	1.176

Important Notes

1. 18 mil angle includes knurled legs.
2. PrimeWall Angle is produced to meet or exceed ASTM C645, A653, and A1003.
3. Galvanized sheet steel meets or exceeds requirements of ASTM A924 & A1003.

New Packaging

Same Quality Products

It's What's Inside That Counts

(888) 474-4876
www.steelnetwork.com
Manufacturing Quality Connections & Members for Over 20 Years

SteelSmart® System 7.8

With 2018 IBC, AISI S100-16 & ASCE 7-16

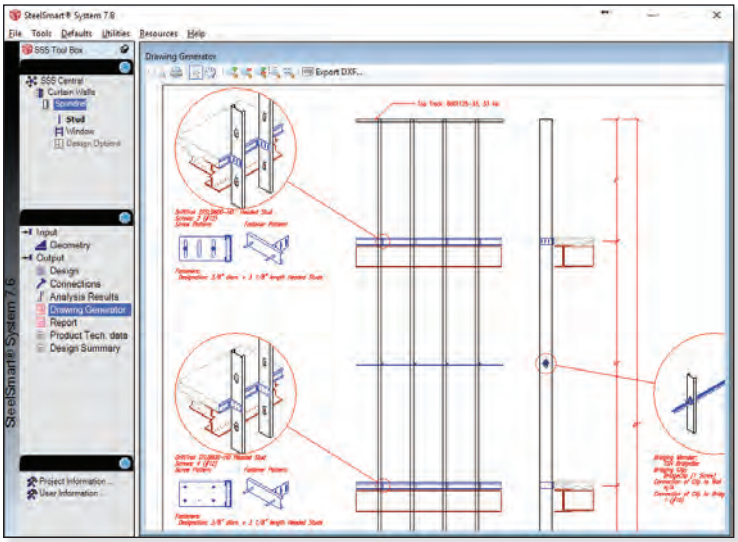
The industry's #1 tool for the design of Members, Connections, Fasteners & Details

Introduction:

SteelSmart® System (SSS) provides construction professionals with an essential tool engineered for both fast and accurate design. SSS 7.8 raises the bar for light steel framing analysis and design by seamlessly integrating the well-known analytic power of its predecessors with additional functionality and accessibility.

Available as a complete suite, SteelSmart System 7.8 will streamline production through the design and detailing of members, connections, and fasteners. Available design modules include: Curtain Wall, Load Bearing Wall, X-Brace Shear Wall, Floor Framing, Roof Framing, Roof Truss, and Moment-Resisting Short Wall. SSS 7.8 incorporates two Advanced Features, the Load Generator and Distributor and the Layout and Connection Details Generator, that further aid the user in the design process.

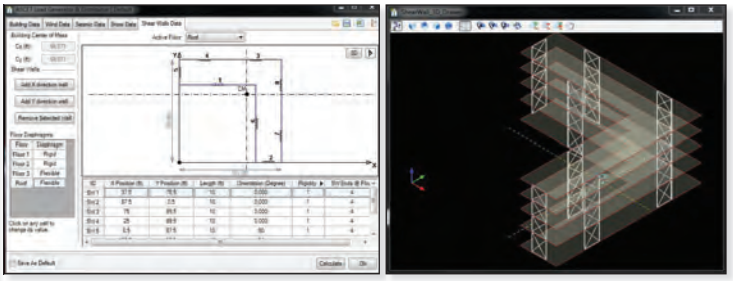
Order online at www.steelsmartsystem.com



Layout and Connection Details Generator

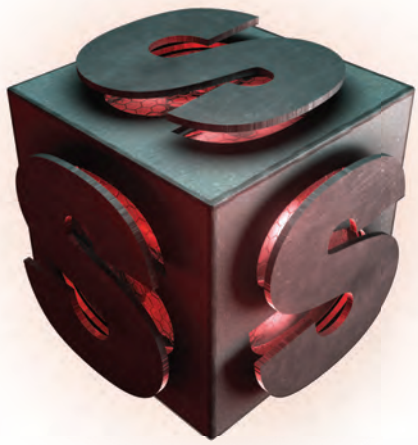
A major feature of SSS is the Layout and Connection Details Generator. The framing layout of components is generated with connection details that include connection design data (clips designations, number of fasteners, embedment lengths, and screw patterns). The drawing generator is included within all 7 primary design modules, and will create a detail upon successful design of components. The drawings can be printed or exported in the AutoCAD® DXF format allowing the drawings to be easily transferred into other drafting software.

In additional to the Layout and Connection Details generator, there is also a library of component details within SSS. Details are split into 7 categories including: Curtain Wall, Load Bearing Walls, Shear Walls, Products Details, Floor Framing, Roof Framing, and LSF Systems.



Load Generator and Distributor

The Load Generator and Distributor tool uses the dimensions and load specification for a building to calculate the lateral wind and seismic forces according to ASCE 7 "Minimum Design Loads for Buildings and Other Structures." Now included in the Load Generator is the IBC 2012 and ASCE 7-10 design codes for development of lateral forces and snow loads. The output from the load generator gives the laterals forces distributed between floor levels and the shear walls at that floor level. The method of distribution considers either rigid or flexible floor diaphragms, while considering torsional effects when rigid diaphragms are selected. Output can be exported directly into the X-Brace Shear Wall design module or into an Excel spreadsheet.



Contact ASI for licensing information:
Phone: (919) 645-4090
Fax: (919) 645-4085
Website: www.appliedscienceint.com
Email: support@appliedscienceint.com

Product Use

Products in this catalog are designed and manufactured for the specific purposes shown, and should not be used in other applications unless approved by a qualified design professional. All modifications to products or changes in installation procedures should be made by a qualified design professional. The performance of such modified products or altered installation procedures is the sole responsibility of the design professional or installation contractor. The installation contractor and/or qualified design professional are responsible for installing all products in accordance with relevant specifications and building codes.

Customers modifying products or installation procedures, or designing non-standard products for fabrication by The Steel Network, Inc. ("TSN") shall, regardless of specific instructions to the user, indemnify, defend, and hold TSN harmless for any and all claimed loss or damage occasioned in whole or in part by non-standard or modified products or installation procedures.

Loads published on TSN's website and current product catalogs are for the described specific applications of properly installed products. Modifications to TSN products, improper loading or installation procedures, or deviations from recommended applications will affect TSN products' load-carrying capacities. TSN products are fabricated from hot-dipped galvanized steel for corrosion protection but will corrode and lose load-carrying capacity if exposed to salt air, corrosive fire-retardant chemicals, fertilizers, or other substances that may adversely affect steel or its galvanized coating. The current editions of TSN's catalogs and load tables published on this website may reflect changes in the allowable loads and configurations of some of TSN's products. This information supersedes information in earlier catalogs or technical reports. All earlier catalogs or technical reports should be discarded and reference made exclusively to the versions available at http://www.steelnetwork.com/Site/Catalogs. TSN may correct any clerical or typographical errors. All sales are subject to TSN's standard terms and conditions of sale.

Limited Warranty

TSN warrants its products to be free from defects in material or workmanship at the time of shipment. TSN standard catalog products are warranted for adequacy of design when used in accordance with design limits in this catalog and properly specified and installed. TSN products shall not be substituted with non-TSN products if it is part of a system. Substitution of a TSN product will immediately void any warranty claim made by Purchaser. This warranty excludes uses not in compliance with specific applications and installation procedures set forth in this catalog. Warranty claims must be made by Purchaser in writing within ninety (90) days of receipt of the Products.

All warranty obligations of TSN shall be limited, at the sole discretion of TSN, to repair or replace the defective product(s). These remedies shall constitute TSN's sole obligation and sole remedy of purchaser under this warranty. In no event will TSN be responsible for incidental, consequential, indirect, exemplary, special, or punitive damages, or other losses or damages however caused, including, but not limited to, installation costs, lost revenue or lost profits. TSN's liability for damages shall in no event exceed the applicable portion of the purchase price for defective product(s).

Product defects that arise from acts of God, accidents, misuse, misapplication, improper installation, storage damage, negligence, or modification to product(s) or its components are specifically excluded from this warranty. Product defects that arise from Purchaser providing incorrect information to TSN, including but not limited to incorrect specifications such as incorrect dimensions, designs and/or loads, are also specifically excluded from this warranty. TSN does not authorize any person or party to assume or create for it any other obligation or liability in connection with Products except as set forth herein.

This Warranty is expressly in lieu of all other warranties, expressed or implied, including any warranties of merchantability or fitness for a particular purpose, all such other warranties being hereby expressly excluded.

Patented Technology

BackIt®, BridgeBar®, BridgeClip®, BuckleBridge®, CircleTrak®, DriftClip®, DriftCorner®, DriftTrak®, GripClip®, 600JAM®, 800JAM®, JamStud®, MidWall™, MasterClip®, NotchTrak®, PrimeWall®, 600SG®, 800SG®, SigmaStud®, SigmaTrak®, Step-Bushing Technology™, StiffClip®, StiffWall®, ThermaFast®, TightStrap®, VertiClip®, and VertiTrack® are trademarked products, and are patented or patent-pending technologies of TSN. Numerous TSN design configurations are patented and/or patent pending and are protected under US and International patent laws. Patent numbers include: #4,970,410; #4,970,411; #4,970,412; #4,970,413; #5,079,710; #5,467,566; #5,904,023; #5,906,080; #6,612,087; #6,701,689; #6,892,504; #7,104,024; #7,503,150; #7,559,519; #7,596,921; #7,634,889; # 7,788,878; #7,832,162; #7,836,657; # 8,132,383; #8,181,419; #8,205,402; #8,387,321 and #8,683,770.

Contact Information

North Carolina

TSN Corporate Headquarters
2012 TW Alexander Drive
P.O. Box 13997
Durham, NC 27709
Phone: (919) 845-1025
Fax: (888) 474-4877

Texas

600 Lemens Avenue
Suite 120
Hutto, TX 78634
Phone: (512) 642-9603
Fax: (512) 857-1663

Nevada

1650 Helm Drive
Suite 1000 -1200
Las Vegas, NV 89119
Phone: (702) 643-4330
Fax: (702) 643-4331

Web Site: www.steelnetwork.com
E-mail: support@steelnetwork.com

Toll Free Nationwide Phone
(888) 474-4876


CERTIFIED
TSN
ISO 9001:2015
QUALITY MANAGEMENT SYSTEM