Table of Contents
SSW Truss

*** See Sprinkler, Duct and Mechanical Installation Guide for further information regarding these topics

General Description:
SSW Open Web Truss

Standard Structure's SSW Open Web Truss is a structural wood chord, metal web, pin connected, open web truss used as a joist in light commercial applications for both floor and roof construction. Its simple top chord bearing connection is designed specifically to handle an eccentric load and eliminate the need of increased building hei0067ht and notched plates. The bearing connection promotes ease of installation requiring only two nails driven through pre-drilled holes.

FEATURES

- Longer span capability yields greater design flexibility.
- Top or bottom chord bearing is available.
- Cambered as required by design.
- Framing width of 3 1/2" reduces the span of the sheathing and allows for more nailing and gluing area.
- Parallel chord, tapered or pitched profiles available.
- Light weight and dimensionally stable.
- Open-web design allows for easy installation of mechanical, electrical and other trades.
- Moisture content of all chords is limited to 15% for maximum product stability.
- Split resistance 'r' chord allowing for tight diaphragm nailing is available.
- SSW Open Web Trusses provide diaphragm nailing values equal to those noted in the applicable codes for wood members with a specific gravity of 0.50.
- Architectural grade flanges and upgraded web and hardware are available upon request for an additional charge.

Table 1: Recommended Specification (spec section 06 17 36)

1.0 GENERAL — **SSW Open-Web Truss**

1.1 Scope

This work includes the complete design and components for installation of all SSW open web trusses as fabricated by Standard Structures, Inc.

1.2 Code Approvals

These products are designed and fabricated to the standards set forth in ICC-ES PFC-5803.

1.3 Related Work Specified Elsewhere

- **A. Carpentry and Millwork**
- **B. Glued Laminated Members**
- **C. Composite Wood I-Joists**

1.4 Design

- **A. Products**

  Standard Structures, Inc. SSW products are custom designed to fit the dimensions and loads indicated on the plans.
- **B. Design Calculations**

  When requested, a complete set of design calculations shall be prepared by Standard Structures, Inc. under the supervision of a registered professional engineer.
- **C. Special performance features**

  Where the SSW truss description is followed by an 'r' it is intended that the top chord be reinforced to insure greater resistance to splitting. The reinforcement is factory laminated to the top chord as part of the fabricating process.

1.5 Submittals

- **A. Shop Drawings**

  When requested, shop drawings showing building layout and details necessary for proper product placement in the building may be provided by Standard Structures, Inc.
- **B. Production**

  Will not proceed with fabrication and/or cutting until shop drawings and design calculations (when required) have been reviewed by the Architect and or Engineer of Record.

2.0 PRODUCT

2.1 Description

The trusses shall consist of structural wood top and bottom chords and tubular steel web members. The webs shall have machined ends, inserted into the chords, secured with steel pins. The end connections shall bear directly on the support.

2.2 Materials

Top and bottom chords shall be kiln dried, machine stress rated lumber. Continuous chords shall be developed with glued finger joints that have been tension tested. The galvanized tubular steel webs shall have a minimum yield stress of 45,000 psi. The steel pins shall be in accordance with applicable ASTM standards. The bearing hardware shall be 13 gauge steel.

2.3 Fabrication

The trusses shall be manufactured by Standard Structures, Inc. with quality audits performed by a third-party inspection agency.

2.4 Hardware

Top chord flush hanger is an available option.

3.0 EXECUTION

3.1 Erection and Installation

- **A.** Standard Structures, Inc. SSW open-web trusses, if stored prior to erection shall be stored in a vertical position and protected from the weather. They shall be handled with care to avoid damage. Trusses shall be erected and installed in accordance with the plans and any shop drawing and installation suggestions that may be provided. Temporary construction loads that cause stresses beyond design limits are not permitted. Erection bracing is to be provided to keep the trusses straight and plumb as required and to assure adequate lateral support for the individual trusses and the entire system until the sheathing material has been applied.
- **B.** Apparent damage to trusses, if any, shall be reported to Standard Structures, Inc. prior to installation.
- **C.** Cutting or altering the trusses is not permitted.
- **D.** Trusses should be erected and installed as outlined in the erection bracing recommendations.

4.0 Warranty

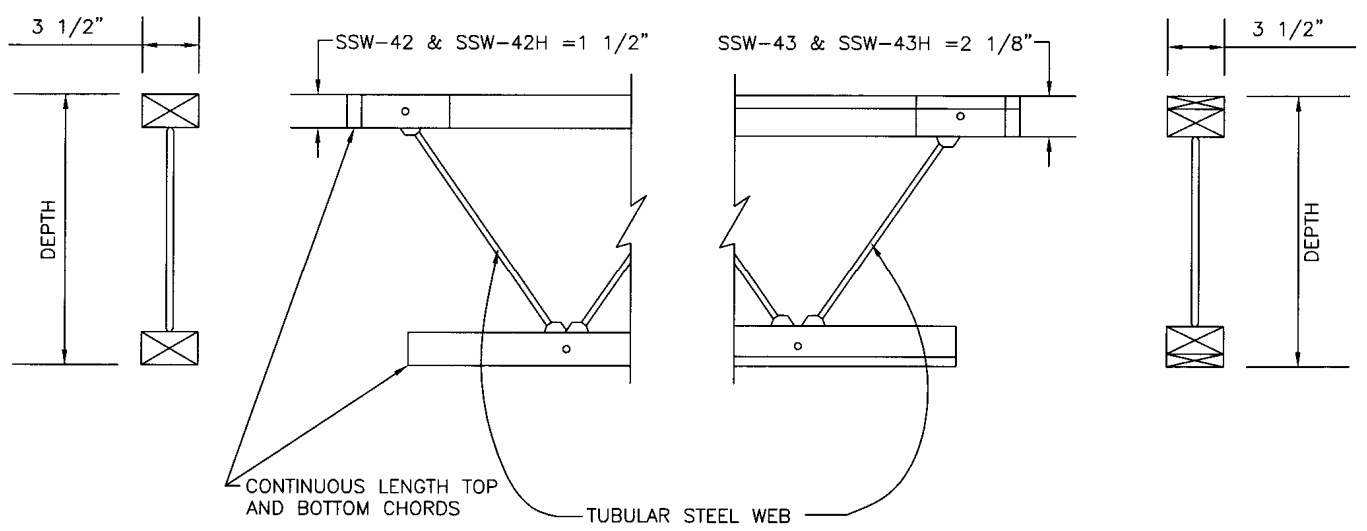
4.1 Standard Structures, Inc. warrants that its products, materials and workmanship will be free from fabricating defects for the normal and expected life of the building provided the product is correctly installed, maintained and used.

Product Profiles
SSW Open Web Truss

SSW Open Web Truss is available in the following depths:

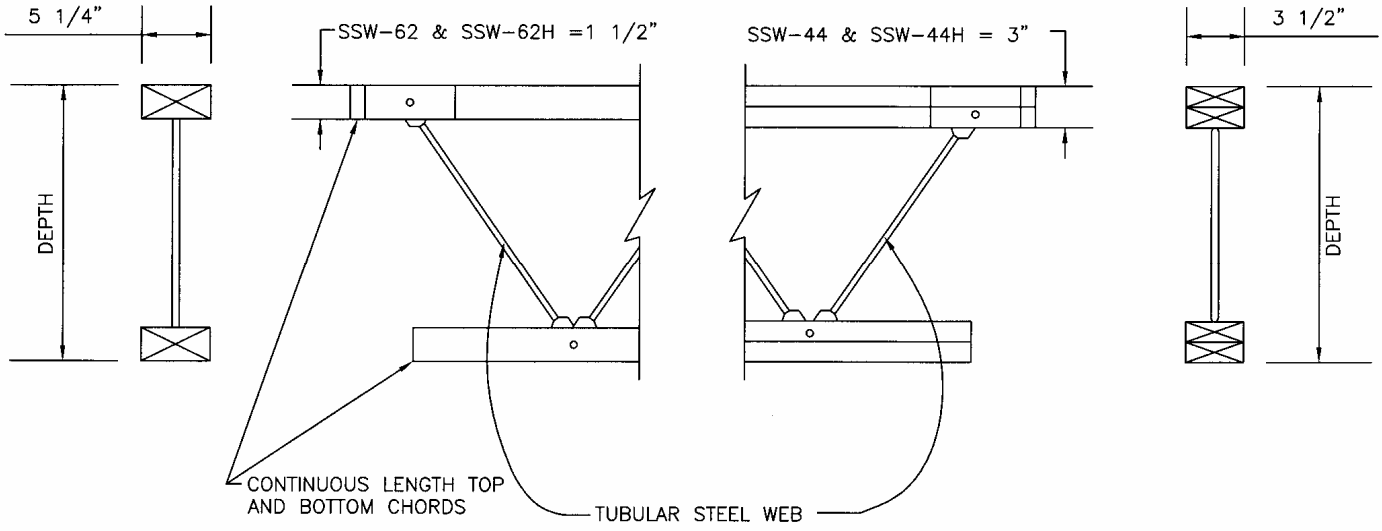
SSW-42 and SSW-42H series – 14” to 50”

SSW-43 and SSW-43H series – 16” to 64”

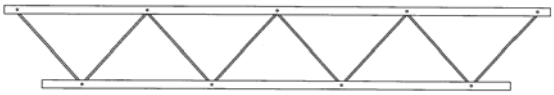


SSW-62 and SSW-62H series – 14” to 50”

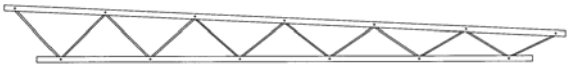
SSW-44 and SSW-44H series – 16” to 64”



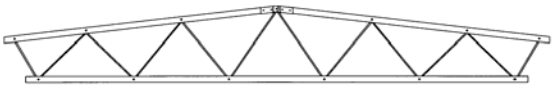
Available SSW Profiles



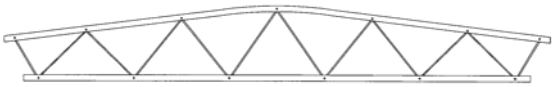
Parallel



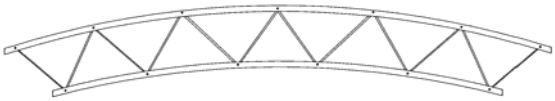
Taper



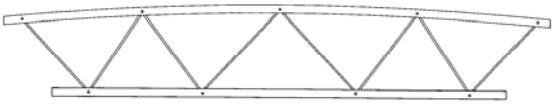
Pitched



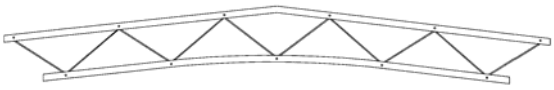
Radius Pitched



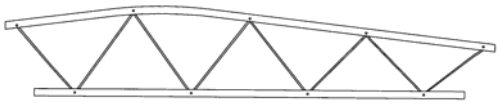
Barrel Arch



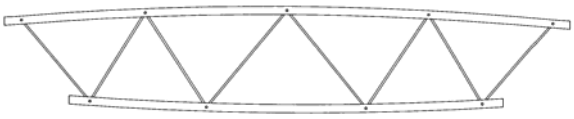
Bow String



Pitched Top / Radius Bottom



Off Center



Parabolic

Table 2: Tightest Curvature Available	
SSW 42	50’ Radius
SSW 62	50’ Radius
SSW 43	75’ Radius
SSW 44	100’ Radius

Table 3: Depths	
SSW 42 & 42H	14-50"
SSW 62 & 62H	14-50"
SSW 43 & 43H	16-64"
SSW 44 & 44H	16-64"

Camber Criteria

The fabrication of Standard Structures, Inc. Open Web Trusses includes the capability of providing a specified camber for appearance and to help resist the possibility of deflection under load. Camber should be considered on an individual job basis. Although excessive camber in any product may cause problems in framing, it is our recommendation that the camber criteria listed below be followed when designing long span capable products like open web trusses. Inadequate camber can cause significant problems in the case of flat roofs, for example, where other considerations like improper drainage could create ponding of water and result in overloads (refer to building code for special considerations for flat roof designs). Camber selection in structural members should include consideration for matching requirements of adjacent components of different lengths.

Table 4: Camber Criteria

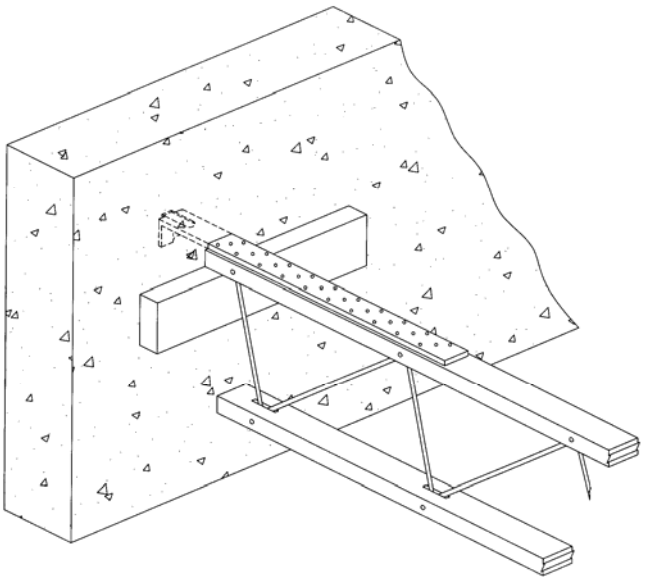
Location		Application	Recommended Camber	Minimum Recommended Camber
Roof	Snow Load Locations	Sloped Roofs (1/4" per foot min.)	DLΔ + 1/2 LLΔ	DLΔ + 1/4 LLΔ
	All Non-Snow Load Locations	All Roofs	1 1/2 DLΔ	1 1/4 DLΔ
Floor	All Floors	All floors > 24 feet	1 1/2 DLΔ	1 DLΔ

DLΔ Dead Load Deflection
LLΔ Live Load Deflection

Note: Movable partition loads are not to be considered in this policy.

SSI recommends camber for floors with spans =< 24 feet to be zero, spans > 24 feet to be 3000' radius.
See Local Code Authorities for other requirements.

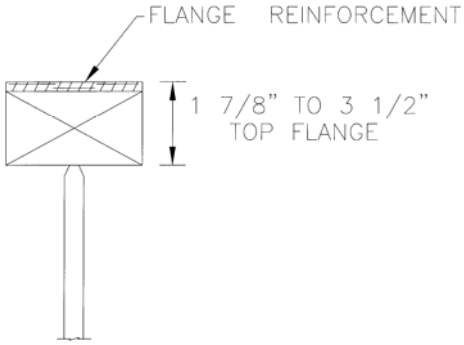
Split Resistant 'r' Chord



In order to meet specific engineering requirements, calculations may require a nail schedule for floor and roof diaphragms or seismic straps to be at 1 1/2, 2 and 2 1/2 inches on center.

Currently, truss fabricators recommend nail spacing of no closer than 3 inches on center in a row for 10d common nails.

Standard Structures, Inc. recognizes this problem and concluded a testing program witnessed by Timber Products Inspection (TPI). Our testing revealed that all 2 inch nominal members, regardless of composition, including Laminated Veneer Lumber (LVL), linearly oriented composite material and MSR dimensional lumber do in fact SPLIT in the same manner when the fabricators closest recommended nail spacing of 3 inches on center is exceeded. **This problem exists with all fabricators regardless of composition of the individual truss chord material.**



Standard Structures, Inc. developed the SSI-'r' as the solution to chord splitting due to tight nailing requirements.

To ensure a quality product we prepared multiple test groups, witnessed by TPI. Our testing included SSI-'r' truss with 10d nails spaced at 1 inch and 2 inches on center in a row. These truss were first nailed and then loaded to ultimate capacity in our load test simulator. After loading the truss they were inspected and in all cases each resisted any splitting.

Upon comparative testing, SSI-'r' truss revealed an excellent resistance to splitting and did not split with nail spacing even as close as 1 inch on center.

The ICBO approved SSI-'r' is similar to other Standard Structures, Inc. products but includes the added feature of a factory bonded reinforced chord.

The benefits of the 'Reinforcement' are two fold:

- The reinforcement discourages the displacement of the top chord fibers by the nail.
- The reinforcement contributes to increase the chord member depth which prohibits the nail from piercing entirely through the chord.

The 'r' chord test was done on I-Joist. The 'r' chord split resistance, to nailing less than 3" o.c., is applicable to all SSW products.

Approximate Weight and Nail Spacing

Table 5: SSW Open Web Truss Weight Approximate Pounds per Linear Foot (PLF)				
Overall Depth (Inches)	SSW 42	SSW 62	SSW 43	SSW 44
14	3.5	4.9	4.5	6.0
16	3.5	4.9	4.5	6.0
18	3.5	5.0	4.6	6.1
20	3.5	5.0	4.6	6.1
22	3.5	5.0	4.6	6.1
24	3.5	5.0	4.6	6.1
26	3.6	5.0	4.6	6.1
28	3.6	5.0	4.6	6.1
30	3.6	5.1	4.7	6.2
32	3.6	5.1	4.7	6.2
34	3.6	5.1	4.7	6.2
36	3.7	5.1	4.7	6.2
38	3.7	5.2	4.8	6.3
40	3.7	5.2	4.8	6.3
42	3.8	5.2	4.8	6.3
44	3.8	5.3	4.9	6.4
46	3.8	5.3	4.9	6.4
48	3.9	5.3	4.9	6.4
50	3.9	5.4	5.0	6.5
52	3.9	5.4	5.0	6.5
54	4.0	5.5	5.1	6.6
56	4.0	5.5	5.1	6.6
58	4.1	5.6	5.2	6.7
60	4.2	5.6	5.2	6.7

Table 6: Minimum Nailing Spacing										
Nail Type		Nail Size	MSR		"r" Chord		LVL		Glulam	
			Face	Edge	Face	Edge	Face	Edge	Face	Edge
8d [1]	Box	0.113" x 2 1/2"	2"	2"	1"	2"	2"	4"	1"	2"
	Common	0.131" x 2 1/2"	2"	2"	1"	2"	2"	6"	1"	2"
10d	Box	0.128" x 3"	2"	2"	1"	2"	2"	6"	1"	2"
	Common	0.148" x 3"	2"	2"	1"	2"	3"	6"	1"	2"
12d	Box	0.128" x 3 1/4"	3"	2"	1"	2"	2"	6"	1"	2"
	Common	0.148" x 3 1/4"	3"	2"	1"	2"	3"	6"	1"	2"
16d	Box	0.135" x 3 1/2"	3"	2"	1"	2"	3"	6"	1"	2"
	Sinker	0.148" x 3 1/4"	3"	2"	1"	2"	3"	6"	1"	2"
	Common	0.162" x 3 1/2"	4"	2"	1"	2"	4"	8"	1"	2"

[1] 14 gauge staples may be a direct substitute for 8d nails if a minimum penetration of 1" into the flange is maintained.

Table 7A: SSW-42 (Rep. Increase of 7% allowed @ shaded areas for joist at 24" o.c. or less)

Note: This plf table represents "joist only" EI. Increases for composite EI. May misrepresent actual in-place product performance.

Depth	14		16		18		20		22		24		26		28		30		32		34		36	
SPAN (FT.)	100 %TL 100 %LL	115 %TL 125 %TL	100 %TL 100 %LL	115 %TL 125 %TL	100 %TL 100 %LL	115 %TL 125 %TL	100 %TL 100 %LL	115 %TL 125 %TL	100 %TL 100 %LL	115 %TL 125 %TL	100 %TL 100 %LL	115 %TL 125 %TL	100 %TL 100 %LL	115 %TL 125 %TL	100 %TL 100 %LL	115 %TL 125 %TL	100 %TL 100 %LL	115 %TL 125 %TL	100 %TL 100 %LL	115 %TL 125 %TL	100 %TL 100 %LL	115 %TL 125 %TL	100 %TL 100 %LL	115 %TL 125 %TL
12	385	442	446	487	487	487	487	487	487	487	487	487	487	487	487	487	487	487	487	487	487	487	487	487
	385	481	446	487	487	487	487	487	487	487	487	487	487	487	487	487	487	487	487	487	487	487	487	487
14	283	325	328	377	373	417	417	417	417	417	417	417	417	417	417	417	417	417	417	417	417	417	417	417
	266	353	328	410	373	417	417	417	417	417	417	417	417	417	417	417	417	417	417	417	417	417	417	417
16	216	249	251	289	286	329	320	365	355	365	365	365	365	365	365	365	365	365	365	365	365	365	365	365
	178	271	240	314	286	357	320	365	355	365	365	365	365	365	365	365	365	365	365	365	365	365	365	365
18	171	197	198	228	226	260	253	291	280	323	308	324	324	324	324	324	324	324	324	324	324	324	324	324
	125	214	168	248	218	282	253	316	280	324	308	324	324	324	324	324	324	324	324	324	324	324	324	324
20	139	159	161	185	183	210	205	236	227	261	249	287	271	292	292	292	292	292	292	292	292	292	292	292
	91	173	123	201	159	229	200	256	227	284	249	292	271	292	292	292	292	292	292	292	292	292	292	292
22	114	132	133	153	151	174	169	195	188	216	206	237	224	258	243	265	261	265	265	265	265	265	265	265
	68	143	92	166	119	189	150	212	184	235	206	258	224	265	243	265	261	265	265	265	265	265	265	265
24	96	111	112	128	127	146	142	164	158	181	173	199	189	217	204	235	219	243	235	243	243	243	243	243
	53	120	71	139	92	159	116	178	142	197	171	216	189	236	204	243	219	243	235	243	243	243	243	243
26	82	94	95	109	108	124	121	139	134	155	148	170	161	185	174	200	187	215	200	225	213	225	225	225
	41	102	56	119	72	135	91	152	112	168	134	184	159	201	174	217	187	225	200	225	213	225	225	225
28	71	81	82	94	93	107	105	120	116	133	127	146	139	159	150	172	161	185	172	198	184	209	195	209
	33	88	45	102	58	117	73	131	89	145	108	159	128	173	149	187	161	201	172	209	184	209	195	209
30		71	71	82	81	93	91	105	101	116	111	127	121	139	131	150	140	161	150	173	160	184	170	195
		77	36	89	47	102	59	114	73	126	88	139	104	151	121	163	140	175	150	188	160	195	170	195
32		62	63	72	71	82	80	92	89	102	97	112	106	122	115	132	123	142	132	152	141	162	149	172
		68	30	78	39	89	49	100	60	111	72	122	85	133	100	143	116	154	132	165	141	176	149	183
34		55		64	63	73	71	82	79	90	86	99	94	108	102	117	109	126	117	134	125	143	132	152
		60		69	32	79	41	89	50	98	60	108	71	117	83	127	96	137	110	146	125	156	132	165
36		49		57	56	65	63	73	70	81	77	88	84	96	91	104	97	112	104	120	111	128	118	136
		52		62	27	71	34	79	42	88	51	96	60	105	70	113	81	122	93	130	106	139	118	147
38		44		51		58	57	65	63	72	69	79	75	86	81	94	87	101	94	108	100	115	106	122
		44		56		63	29	71	36	79	43	86	51	94	60	102	69	109	79	117	90	125	101	132
40				46		53	51	59	57	65	62	72	68	78	73	84	79	91	84	97	90	104	96	110
				50		57	25	64	31	71	37	78	44	85	51	92	59	99	68	106	77	113	87	119
42				42		48		53	52	59	57	65	62	71	67	77	72	82	77	88	82	94	87	100
				44		52		58	26	64	32	71	38	77	44	83	51	90	59	96	67	102	75	108
44						43		49	47	54	52	59	56	65	61	70	65	75	70	80	74	86	79	91
						47		53	23	59	28	64	33	70	38	76	44	82	51	87	58	93	65	99
Depth	14		16		18		20		22		24		26		28		30		32		34		36	

For more information, contact the Standard Structures, Inc. Design Assistance Department toll free at 1-877-980-7732 (SPEC) or visit our website at http://www.ssispec.com

For Usage and General Notes see Page 16

Table 7B: SSW-42H (Rep. increase of 7% allowed @ shaded areas for joist at 24" o.c. or less)

Note: This plf table represents "joist only" EI. Increases for composite EI. May misrepresent actual in-place product performance.

Depth	14		16		18		20		22		24		26		28		30		32		34		36	
SPAN	100 %TL	115 %TL	100 %TL	115 %TL	100 %TL	115 %TL	100 %TL	115 %TL	100 %TL	115 %TL	100 %TL	115 %TL	100 %TL	115 %TL	100 %TL	115 %TL	100 %TL	115 %TL	100 %TL	115 %TL	100 %TL	115 %TL	100 %TL	115 %TL
(FT.)	100 %LL	125 %TL	100 %LL	125 %TL	100 %LL	125 %TL	100 %LL	125 %TL	100 %LL	125 %TL	100 %LL	125 %TL	100 %LL	125 %TL	100 %LL	125 %TL	100 %LL	125 %TL	100 %LL	125 %TL	100 %LL	125 %TL	100 %LL	125 %TL
12	460	487	487	487	487	487	487	487	487	487	487	487	487	487	487	487	487	487	487	487	487	487	487	487
	460	487	487	487	487	487	487	487	487	487	487	487	487	487	487	487	487	487	487	487	487	487	487	487
14	338	388	392	417	417	417	417	417	417	417	417	417	417	417	417	417	417	417	417	417	417	417	417	417
	306	417	392	417	417	417	417	417	417	417	417	417	417	417	417	417	417	417	417	417	417	417	417	417
16	259	297	300	345	341	365	365	365	365	365	365	365	365	365	365	365	365	365	365	365	365	365	365	365
	205	323	275	365	341	365	365	365	365	365	365	365	365	365	365	365	365	365	365	365	365	365	365	365
18	204	235	237	273	270	310	302	324	324	324	324	324	324	324	324	324	324	324	324	324	324	324	324	324
	144	255	193	296	251	324	302	324	324	324	324	324	324	324	324	324	324	324	324	324	324	324	324	324
20	165	190	192	221	218	251	245	282	271	292	292	292	292	292	292	292	292	292	292	292	292	292	292	292
	105	207	141	240	183	273	230	292	271	292	292	292	292	292	292	292	292	292	292	292	292	292	292	292
22	137	157	159	182	181	208	202	233	224	258	246	265	265	265	265	265	265	265	265	265	265	265	265	265
	79	171	106	198	137	226	172	253	212	265	246	265	265	265	265	265	265	265	265	265	265	265	265	265
24	115	132	133	153	152	174	170	196	188	217	207	238	225	243	243	243	243	243	243	243	243	243	243	243
	61	144	82	167	106	190	133	213	163	236	197	243	225	243	243	243	243	243	243	243	243	243	243	243
26	98	113	114	131	129	149	145	167	161	185	176	203	192	221	208	225	223	225	225	225	225	225	225	225
	48	122	64	142	83	162	105	181	128	201	155	220	183	225	208	225	223	225	225	225	225	225	225	225
28	84	97	98	113	111	128	125	144	138	159	152	175	165	190	179	206	193	209	206	209	209	209	209	209
	38	106	51	122	67	139	84	156	103	173	124	190	147	207	172	209	193	209	206	209	209	209	209	209
30		85	85	98	97	112	109	125	121	139	132	152	144	166	156	179	168	193	179	195	191	195	195	195
		92	42	107	54	121	68	136	84	151	101	165	119	180	140	195	161	195	179	195	191	195	195	195
32		74	75	86	85	98	96	110	106	122	116	134	127	146	137	158	147	170	158	181	168	183	178	183
		81	34	94	45	107	56	120	69	133	83	145	98	158	115	171	133	183	152	183	168	183	178	183
34		66		76	76	87	86	97	94	108	103	119	112	129	121	140	131	150	140	161	149	171	158	172
		71		83	37	94	47	106	57	117	69	129	82	140	96	152	111	163	127	172	144	172	158	172
36		59		68	67	78	76	87	84	96	92	106	100	115	108	125	116	134	125	143	133	153	141	162
		60		74	31	84	39	94	48	105	58	115	69	125	81	135	93	146	107	156	121	162	137	162
38		51		61		70	68	78	75	86	83	95	90	103	97	112	105	120	112	129	119	137	127	146
		51		66		76	33	85	41	94	50	103	59	112	69	121	79	131	91	140	103	149	116	154
40		44		55		63	61	70	68	78	74	86	81	93	88	101	94	108	101	116	108	124	114	131
		44		59		68	29	77	35	85	42	93	50	101	59	110	68	118	78	126	89	134	100	143
42				50		57		64	62	71	68	78	74	85	80	91	86	98	92	105	98	112	104	119
				51		62		69	30	77	37	84	43	92	51	99	59	107	67	114	77	122	86	129
44				44		52		58	56	64	62	71	67	77	72	83	78	90	83	96	89	102	94	109
				44		56		63	26	70	32	77	38	84	44	91	51	97	59	104	67	111	75	118
Depth	14		16		18		20		22		24		26		28		30		32		34		36	

For more information, contact the Standard Structures, Inc. Design Assistance Department toll free at 1-877-980-7732 (SPEC) or visit our website at http://www.ssispec.com

For Usage and General Notes see Page 16

Table 7C: SSW-62 (Rep. increase of 7% allowed @ shaded areas for joist at 24" o.c. or less)

Note: This plf table represents "joist only" EI. Increases for composite EI. may misrepresent actual in-place product performance.

Depth	14		16		18		20		22		24		26		28		30		32		34		36	
SPAN	100%TL	115%TL	100%TL	115%TL	100%TL	115%TL	100%TL	115%TL	100%TL	115%TL	100%TL	115%TL	100%TL	115%TL	100%TL	115%TL	100%TL	115%TL	100%TL	115%TL	100%TL	115%TL	100%TL	115%TL
(FT.)	100%LL	125%TL	100%LL	125%TL	100%LL	125%TL	100%LL	125%TL	100%LL	125%TL	100%LL	125%TL	100%LL	125%TL	100%LL	125%TL	100%LL	125%TL	100%LL	125%TL	100%LL	125%TL	100%LL	125%TL
14	420	420	420	420	420	420	420	420	420	420	420	420	420	420	420	420	420	420	420	420	420	420	420	420
	399	420	420	420	420	420	420	420	420	420	420	420	420	420	420	420	420	420	420	420	420	420	420	420
16	340	368	368	368	368	368	368	368	368	368	368	368	368	368	368	368	368	368	368	368	368	368	368	368
	267	368	359	368	368	368	368	368	368	368	368	368	368	368	368	368	368	368	368	368	368	368	368	368
18	268	309	311	327	327	327	327	327	327	327	327	327	327	327	327	327	327	327	327	327	327	327	327	327
	188	327	252	327	327	327	327	327	327	327	327	327	327	327	327	327	327	327	327	327	327	327	327	327
20	217	250	252	290	287	294	294	294	294	294	294	294	294	294	294	294	294	294	294	294	294	294	294	294
	137	272	184	294	238	294	294	294	294	294	294	294	294	294	294	294	294	294	294	294	294	294	294	294
22	180	207	208	240	237	267	266	267	267	267	267	267	267	267	267	267	267	267	267	267	267	267	267	267
	103	225	138	261	179	267	225	267	267	267	267	267	267	267	267	267	267	267	267	267	267	267	267	267
24	151	174	175	201	199	229	224	245	245	245	245	245	245	245	245	245	245	245	245	245	245	245	245	245
	79	189	106	219	138	245	173	245	213	245	245	245	245	245	245	245	245	245	245	245	245	245	245	245
26	129	148	149	172	170	195	190	219	211	226	226	226	226	226	226	226	226	226	226	226	226	226	226	226
	62	161	84	187	108	212	136	226	167	226	202	226	226	226	226	226	226	226	226	226	226	226	226	226
28	111	128	129	148	146	168	164	189	182	209	200	210	210	210	210	210	210	210	210	210	210	210	210	210
	50	139	67	161	87	183	109	205	134	210	161	210	191	210	210	210	210	210	210	210	210	210	210	210
30		111	112	129	128	147	143	165	159	182	174	196	189	196	196	196	196	196	196	196	196	196	196	196
		121	55	140	71	159	89	179	109	196	131	196	156	196	182	196	196	196	196	196	196	196	196	196
32		98	99	113	112	129	126	145	139	160	153	176	166	184	180	184	184	184	184	184	184	184	184	184
		106	45	123	58	140	73	157	90	174	108	184	128	184	150	184	174	184	184	184	184	184	184	184
34		87		100	99	114	111	128	123	142	135	156	147	170	160	173	172	173	173	173	173	173	173	173
		93		109	48	124	61	139	75	154	90	169	107	173	125	173	145	173	166	173	173	173	173	173
36		77		90	89	102	99	114	110	127	121	139	132	151	142	163	153	163	163	163	163	163	163	163
		78		97	41	111	51	124	63	138	76	151	90	163	105	163	122	163	140	163	158	163	163	163
38		66		80		91	89	103	99	114	108	125	118	136	128	147	137	155	147	155	155	155	155	155
		66		87		99	44	111	54	123	65	136	77	148	90	155	104	155	119	155	135	155	152	155
40		57		73		83	80	93	89	103	98	113	107	123	115	133	124	143	133	147	141	147	147	147
		57		77		90	37	101	46	111	55	122	66	133	77	144	89	147	102	147	116	147	130	147
42		49		66		75		84	81	93	89	102	97	111	105	120	112	129	120	138	128	140	136	140
		49		66		81		91	40	101	48	111	57	121	66	131	77	140	88	140	100	140	112	140
44		43		58		68		76	74	85	81	93	88	101	95	110	102	118	110	126	117	134	124	134
		43		58		74		83	35	92	42	101	49	110	58	119	67	128	76	134	87	134	98	134
46				50		62		70		78	74	85	81	93	87	100	94	108	100	115	107	123	113	128
				50		65		76		84	36	92	43	101	51	109	58	117	67	125	76	128	86	128
48				44		57		64		71	68	78	74	85	80	92	86	99	92	106	98	113	104	120
				44		57		70		77	32	85	38	92	44	100	51	108	59	115	67	123	75	123
50						51		59		66		72	68	78	74	85	79	91	85	98	90	104	96	110
						51		64		71		78	34	85	39	92	45	99	52	106	59	113	67	118
Depth	14		16		18		20		22		24		26		28		30		32		34		36	

For more information, contact the Standard Structures, Inc. Design Assistance Department toll free at 1-877-980-7732 (SPEC) or visit our website at http://www.ssispec.com

For Usage and General Notes see Page 16

Table 7D: SSW-62H (Rep. increase of 7% allowed @ shaded areas for joist at 24" o.c. or less)

Note: This plf table represents "joist only" EI. Increases for composite EI. may misrepresent actual in-place product performance.

Depth	14		16		18		20		22		24		26		28		30		32		34		36	
SPAN	100 %TL	115 %TL	100 %TL	115 %TL	100 %TL	115 %TL	100 %TL	115 %TL	100 %TL	115 %TL	100 %TL	115 %TL	100 %TL	115 %TL	100 %TL	115 %TL	100 %TL	115 %TL	100 %TL	115 %TL	100 %TL	115 %TL	100 %TL	115 %TL
(FT.)	100 %LL	125 %TL	100 %LL	125 %TL	100 %LL	125 %TL	100 %LL	125 %TL	100 %LL	125 %TL	100 %LL	125 %TL	100 %LL	125 %TL	100 %LL	125 %TL	100 %LL	125 %TL	100 %LL	125 %TL	100 %LL	125 %TL	100 %LL	125 %TL
14	420	420	420	420	420	420	420	420	420	420	420	420	420	420	420	420	420	420	420	420	420	420	420	420
	420	420	420	420	420	420	420	420	420	420	420	420	420	420	420	420	420	420	420	420	420	420	420	420
16	368	368	368	368	368	368	368	368	368	368	368	368	368	368	368	368	368	368	368	368	368	368	368	368
	307	368	368	368	368	368	368	368	368	368	368	368	368	368	368	368	368	368	368	368	368	368	368	368
18	321	327	327	327	327	327	327	327	327	327	327	327	327	327	327	327	327	327	327	327	327	327	327	327
	216	327	290	327	327	327	327	327	327	327	327	327	327	327	327	327	327	327	327	327	327	327	327	327
20	260	294	294	294	294	294	294	294	294	294	294	294	294	294	294	294	294	294	294	294	294	294	294	294
	157	294	212	294	274	294	294	294	294	294	294	294	294	294	294	294	294	294	294	294	294	294	294	294
22	215	247	249	267	267	267	267	267	267	267	267	267	267	267	267	267	267	267	267	267	267	267	267	267
	118	267	159	267	206	267	259	267	267	267	267	267	267	267	267	267	267	267	267	267	267	267	267	267
24	180	208	209	241	238	245	245	245	245	245	245	245	245	245	245	245	245	245	245	245	245	245	245	245
	91	226	122	245	159	245	199	245	245	245	245	245	245	245	245	245	245	245	245	245	245	245	245	245
26	154	177	178	205	203	226	226	226	226	226	226	226	226	226	226	226	226	226	226	226	226	226	226	226
	72	192	96	223	125	226	157	226	192	226	226	226	226	226	226	226	226	226	226	226	226	226	226	226
28	133	152	154	177	175	201	196	210	210	210	210	210	210	210	210	210	210	210	210	210	210	210	210	210
	57	166	77	192	100	210	126	210	154	210	186	210	210	210	210	210	210	210	210	210	210	210	210	210
30		133	134	154	152	175	171	196	189	196	196	196	196	196	196	196	196	196	196	196	196	196	196	196
		144	63	167	81	191	102	196	125	196	151	196	179	196	196	196	196	196	196	196	196	196	196	196
32		117	118	135	134	154	150	173	166	184	183	184	184	184	184	184	184	184	184	184	184	184	184	184
		127	52	147	67	167	84	184	103	184	124	184	147	184	173	184	184	184	184	184	184	184	184	184
34		103		120	119	136	133	153	147	170	162	173	173	173	173	173	173	173	173	173	173	173	173	173
		107		130	56	148	70	166	86	173	104	173	123	173	144	173	166	173	173	173	173	173	173	173
36		90		107	106	122	119	136	132	151	144	163	157	163	163	163	163	163	163	163	163	163	163	163
		90		116	47	132	59	148	73	163	87	163	104	163	121	163	140	163	161	163	163	163	163	163
38		76		96		109	107	123	118	136	130	149	141	155	153	155	155	155	155	155	155	155	155	155
		76		103		119	50	133	62	148	74	155	88	155	103	155	119	155	136	155	155	155	155	155
40		66		87		99	96	111	107	123	117	134	127	146	138	147	147	147	147	147	147	147	147	147
		66		88		107	43	120	53	133	64	146	76	147	88	147	102	147	117	147	133	147	147	147
42		57		76		89		100	97	111	106	122	115	133	125	140	134	140	140	140	140	140	140	140
		57		76		97		109	46	121	55	133	65	140	76	140	88	140	101	140	115	140	129	140
44		49		66		81		91	88	101	97	111	105	121	114	131	122	134	131	134	134	134	134	134
		49		66		86		99	40	110	48	121	57	132	66	134	77	134	88	134	100	134	112	134
46		43		58		75		84		93	88	102	96	111	104	120	112	128	120	128	128	128	128	128
		43		58		75		91		101	42	111	50	120	58	128	67	128	77	128	87	128	98	128
48				51		66		77		85	81	93	88	102	96	110	103	118	110	123	117	123	123	123
				51		66		83		92	37	101	44	111	51	120	59	123	68	123	77	123	87	123
50				45		58		71		78		86	81	94	88	101	95	109	101	117	108	118	115	118
				45		58		73		85		94	39	102	45	110	52	118	60	118	68	118	77	118
52				40		52		65		72		80	75	87	81	94	88	101	94	108	100	113	106	113
				40		52		65		79		86	34	94	40	102	47	110	53	113	60	113	68	113
Depth	14		16		18		20		22		24		26		28		30		32		34		36	

For more information, contact the Standard Structures, Inc. Design Assistance Department toll free at 1-877-980-7732 (SPEC) or visit our website at http://www.ssispec.com

For Usage and General Notes see Page 16

Table 7E: SSW-43 (Rep. increase of 7% allowed @ shaded areas for joist at 24" o.c. or less)

Note: This plf table represents "joist only" E.I. Increases for composite E.I. may misrepresent actual in-place product performance.

Depth	22		24		26		28		30		32		34		36		38		40		42		44	
SPAN (FT.)	100%TL 100%LL	115%TL 125%TL	100%TL 100%LL	115%TL 125%TL	100%TL 100%LL	115%TL 125%TL	100%TL 100%LL	115%TL 125%TL	100%TL 100%LL	115%TL 125%TL	100%TL 100%LL	115%TL 125%TL	100%TL 100%LL	115%TL 125%TL	100%TL 100%LL	115%TL 125%TL	100%TL 100%LL	115%TL 125%TL	100%TL 100%LL	115%TL 125%TL	100%TL 100%LL	115%TL 125%TL	100%TL 100%LL	115%TL 125%TL
20	345	397	380	405	405	405	405	405	405	405	405	405	405	405	405	405	405	405	405	405	405	405	405	405
	317	405	380	405	405	405	405	405	405	405	405	405	405	405	405	405	405	405	405	405	405	405	405	405
22	285	328	314	361	343	368	368	368	368	368	368	368	368	368	368	368	368	368	368	368	368	368	368	368
	238	357	288	368	343	368	368	368	368	368	368	368	368	368	368	368	368	368	368	368	368	368	368	368
24	240	276	264	304	288	331	312	338	336	338	338	338	338	338	338	338	338	338	338	338	338	338	338	338
	183	300	222	330	265	338	311	338	336	338	338	338	338	338	338	338	338	338	338	338	338	338	338	338
26	204	235	225	259	245	282	266	306	287	312	307	312	312	312	312	312	312	312	312	312	312	312	312	312
	144	255	175	281	208	307	244	312	284	312	307	312	312	312	312	312	312	312	312	312	312	312	312	312
28	176	203	194	223	212	243	229	264	247	284	265	289	283	289	289	289	289	289	289	289	289	289	289	289
	115	220	140	242	167	265	196	287	227	289	261	289	283	289	289	289	289	289	289	289	289	289	289	289
30	153	177	169	194	184	212	200	230	215	248	231	265	246	270	262	270	270	270	270	270	270	270	270	270
	94	192	114	211	136	230	159	250	185	269	212	270	242	270	262	270	270	270	270	270	270	270	270	270
32	135	155	148	171	162	186	176	202	189	218	203	233	216	249	230	253	243	253	253	253	253	253	253	253
	77	169	94	186	112	203	131	220	152	236	175	253	199	253	225	253	243	253	253	253	253	253	253	253
34	119	137	132	151	144	165	156	179	168	193	180	207	192	220	204	234	216	238	228	238	238	238	238	238
	65	149	78	164	93	179	109	194	127	209	146	225	166	238	187	238	210	238	228	238	238	238	238	238
36	107	123	117	135	128	147	139	160	149	172	160	184	171	197	182	209	192	221	203	225	214	225	225	225
	54	133	66	147	78	160	92	173	107	187	123	200	140	214	158	225	177	225	197	225	214	225	225	225
38	96	110	105	121	115	132	125	143	134	154	144	165	153	176	163	187	173	199	182	210	192	213	202	213
	46	120	56	132	67	144	78	156	91	168	104	180	119	192	134	204	151	213	168	213	186	213	202	213
40	86	99	95	109	104	119	112	129	121	139	130	149	138	159	147	169	156	179	165	189	173	199	182	203
	40	108	48	119	57	130	67	140	78	151	90	162	102	173	115	184	129	195	144	203	159	203	176	203
42	78	90	86	99	94	108	102	117	110	126	118	135	126	144	133	153	141	163	149	172	157	181	165	190
	34	98	41	108	49	118	58	127	67	137	77	147	88	157	99	167	111	177	124	187	138	193	152	193
44	71	82	79	90	86	99	93	107	100	115	107	123	114	132	122	140	129	148	136	156	143	165	150	173
	30	89	36	98	43	107	50	116	59	125	67	134	77	143	86	152	97	161	108	170	120	179	132	184
46		75	72	83	78	90	85	98	92	105	98	113	105	120	111	128	118	136	124	143	131	151	138	158
		82	32	90	38	98	44	106	51	114	59	123	67	131	76	139	85	147	95	156	105	164	116	172
48		69	66	76	72	83	78	90	84	97	90	104	96	111	102	118	108	124	114	131	120	138	126	145
		75	28	82	33	90	39	98	45	105	52	113	59	120	67	128	75	135	83	143	92	150	102	158
50		64		70	66	76	72	83	77	89	83	96	89	102	94	108	100	115	105	121	111	127	116	134
		68		76	29	83	34	90	40	97	46	104	52	111	59	118	66	125	74	132	82	139	90	146
Depth	22		24		26		28		30		32		34		36		38		40		42		44	

For more information, contact the Standard Structures, Inc. Design Assistance Department toll free at 1-877-980-7732 (SPEC) or visit our website at http://www.ssispec.com

For Usage and General Notes see Page 16

Table 7F: SSW-43H (Rep. Increase of 7% allowed @ shaded areas for joist at 24" o.c. or less)

Note: This plf table represents "joist only" EI. Increases for composite EI. may misrepresent actual in-place product performance.

Depth	22		24		26		28		30		32		34		36		38		40		42		44	
SPAN (FT.)	100%TL 100%LL	115%TL 125%TL	100%TL 100%LL	115%TL 125%TL	100%TL 100%LL	115%TL 125%TL	100%TL 100%LL	115%TL 125%TL	100%TL 100%LL	115%TL 125%TL	100%TL 100%LL	115%TL 125%TL	100%TL 100%LL	115%TL 125%TL	100%TL 100%LL	115%TL 125%TL	100%TL 100%LL	115%TL 125%TL	100%TL 100%LL	115%TL 125%TL	100%TL 100%LL	115%TL 125%TL	100%TL 100%LL	115%TL 125%TL
20	405	405	405	405	405	405	405	405	405	405	405	405	405	405	405	405	405	405	405	405	405	405	405	405
	364	405	405	405	405	405	405	405	405	405	405	405	405	405	405	405	405	405	405	405	405	405	405	405
22	341	368	368	368	368	368	368	368	368	368	368	368	368	368	368	368	368	368	368	368	368	368	368	368
	274	368	332	368	368	368	368	368	368	368	368	368	368	368	368	368	368	368	368	368	368	368	368	368
24	287	330	315	338	338	338	338	338	338	338	338	338	338	338	338	338	338	338	338	338	338	338	338	338
	211	338	256	338	304	338	338	338	338	338	338	338	338	338	338	338	338	338	338	338	338	338	338	338
26	244	281	269	309	293	312	312	312	312	312	312	312	312	312	312	312	312	312	312	312	312	312	312	312
	166	305	201	312	239	312	281	312	312	312	312	312	312	312	312	312	312	312	312	312	312	312	312	312
28	211	242	232	266	253	289	274	289	289	289	289	289	289	289	289	289	289	289	289	289	289	289	289	289
	133	263	161	289	192	289	225	289	261	289	289	289	289	289	289	289	289	289	289	289	289	289	289	289
30	183	211	202	232	220	253	239	270	257	270	270	270	270	270	270	270	270	270	270	270	270	270	270	270
	108	229	131	252	156	270	183	270	212	270	244	270	270	270	270	270	270	270	270	270	270	270	270	270
32	161	185	177	204	194	223	210	241	226	253	242	253	253	253	253	253	253	253	253	253	253	253	253	253
	89	201	108	222	128	242	151	253	175	253	201	253	229	253	253	253	253	253	253	253	253	253	253	253
34	143	164	157	181	172	197	186	214	200	230	215	238	229	238	238	238	238	238	238	238	238	238	238	238
	74	178	90	196	107	214	126	232	146	238	168	238	191	238	216	238	238	238	238	238	238	238	238	238
36	127	146	140	161	153	176	166	191	179	205	191	220	204	225	217	225	225	225	225	225	225	225	225	225
	62	159	76	175	90	191	106	207	123	223	141	225	161	225	182	225	204	225	225	225	225	225	225	225
38	114	131	126	145	137	158	149	171	160	184	172	198	188	211	195	213	206	213	213	213	213	213	213	213
	53	143	64	157	77	172	90	186	105	200	120	213	137	213	154	213	173	213	193	213	213	213	213	213
40	103	119	114	131	124	142	134	154	145	166	155	178	165	190	176	202	186	203	197	203	203	203	203	203
	46	129	55	142	66	155	77	168	90	181	103	194	117	203	132	203	148	203	165	203	183	203	202	203
42	94	108	103	118	112	129	122	140	131	151	141	162	150	173	159	183	169	193	178	193	188	193	193	193
	39	117	48	129	57	140	67	152	77	164	89	176	101	188	114	193	128	193	143	193	158	193	175	193
44	85	98	94	108	102	118	111	128	120	137	128	147	137	157	145	167	154	177	162	184	171	184	180	184
	34	107	41	117	49	128	58	139	67	149	77	160	88	171	99	182	112	184	124	184	138	184	152	184
46		90	86	99	94	108	102	117	109	126	117	135	125	144	133	153	141	162	149	171	156	176	164	176
		97	36	107	43	117	51	127	59	137	68	147	77	156	87	166	98	176	109	176	121	176	133	176
48		82	79	91	86	99	93	107	100	116	108	124	115	132	122	140	129	149	137	157	144	165	151	169
		88	32	99	38	108	45	117	52	126	60	135	68	144	77	153	86	162	96	169	106	169	117	169
50		76		84	79	91	86	99	93	106	99	114	106	122	113	129	119	137	126	145	132	152	139	160
		78		91	34	99	40	107	46	116	53	124	60	132	68	141	76	149	85	157	94	162	104	162
52		69		77	73	84	79	91	86	98	92	106	98	113	104	120	110	127	116	134	122	141	129	148
		69		84	30	92	35	99	41	107	47	115	53	122	60	130	68	138	75	145	83	153	92	156
54		62		72	67	78	74	85	79	91	85	98	91	104	96	111	102	117	108	124	114	131	119	137
		62		75	27	85	31	92	36	99	42	106	48	113	54	121	60	128	67	135	75	142	82	149
Depth	22		24		26		28		30		32		34		36		38		40		42		44	

For more information, contact the Standard Structures, Inc. Design Assistance Department toll free at 1-877-980-7732 (SPEC) or visit our website at http://www.ssispec.com

For Usage and General Notes see Page 16

Table 7G: SSW-44 (Rep. increase of 7% allowed @ shaded areas for joist at 24" o.c. or less)

Note: This plf table represents "joist only" EI. Increases for composite EI. may misrepresent actual in-place product performance.

Depth	24		26		28		30		32		34		36		38		40		42		44		46	
SPAN (FT.)	100%TL / 100%LL	115%TL / 125%TL	100%TL / 100%LL	115%TL / 125%TL	100%TL / 100%LL	115%TL / 125%TL	100%TL / 100%LL	115%TL / 125%TL	100%TL / 100%LL	115%TL / 125%TL	100%TL / 100%LL	115%TL / 125%TL	100%TL / 100%LL	115%TL / 125%TL	100%TL / 100%LL	115%TL / 125%TL	100%TL / 100%LL	115%TL / 125%TL	100%TL / 100%LL	115%TL / 125%TL	100%TL / 100%LL	115%TL / 125%TL	100%TL / 100%LL	115%TL / 125%TL
24	377 298	432 432	413 357	432 432	432 422	432 432	432 432	432 432	432 432	432 432	432 432	432 432	432 432	432 432	432 432	432 432	432 432	432 432	432 432	432 432	432 432	432 432	432 432	432 432
26	321 234	369 398	352 281	398 398	382 332	398 398	398 387	398 398	398 398	398 398	398 398	398 398	398 398	398 398	398 398	398 398	398 398	398 398	398 398	398 398	398 398	398 398	398 398	398 398
28	277 188	319 346	303 225	349 370	330 266	370 370	356 310	370 370	370 358	370 370	370 370	370 370	370 370	370 370	370 370	370 370	370 370	370 370	370 370	370 370	370 370	370 370	370 370	370 370
30	241 152	278 302	264 183	304 330	287 216	330 345	310 252	345 345	333 291	345 345	345 332	345 345	345 345	345 345	345 345	345 345	345 345	345 345	345 345	345 345	345 345	345 345	345 345	345 345
32	212 126	244 265	232 151	267 290	252 178	290 316	273 208	314 324	293 240	324 324	313 274	324 324	324 310	324 324	324 324	324 324	324 324	324 324	324 324	324 324	324 324	324 324	324 324	324 324
34	188 105	216 235	206 126	237 257	224 148	257 280	242 173	278 302	259 200	298 305	277 228	305 305	295 259	305 305	305 291	305 305	305 305	305 305	305 305	305 305	305 305	305 305	305 305	305 305
36	168 88	193 209	184 106	211 229	199 125	229 249	215 146	248 269	231 168	266 288	247 192	284 288	263 218	288 288	279 245	288 288	288 274	288 288	288 288	288 288	288 288	288 288	288 288	288 288
38	150 75	173 188	165 90	189 206	179 106	206 224	193 124	222 242	208 143	239 260	222 163	255 273	236 185	272 273	251 208	273 273	265 233	273 273	273 259	273 273	273 273	273 273	273 273	273 273
40	136 64	156 170	149 77	171 186	162 91	186 202	175 106	201 218	187 123	216 234	200 140	230 250	213 159	245 259	226 179	259 259	239 200	259 259	252 222	259 259	259 245	259 259	259 259	259 259
42	123 56	142 154	135 67	155 169	147 79	169 183	158 92	182 198	170 106	196 213	182 121	209 227	193 137	222 242	205 154	236 247	217 172	247 247	229 192	247 247	240 212	247 247	247 233	247 247
44	112 48	129 140	123 58	141 154	134 68	154 167	144 80	166 180	155 92	178 194	166 105	190 207	176 119	203 220	187 134	215 234	198 150	227 235	208 167	235 235	219 184	235 235	230 203	235 235
46	103 42	118 128	112 51	129 141	122 60	141 153	132 70	152 165	142 81	163 177	152 92	174 189	161 104	185 202	171 117	197 214	181 131	208 225	191 146	219 225	200 161	225 225	210 177	225 225
48	93 37	108 118	103 45	119 129	112 53	129 140	121 62	139 151	130 71	150 163	139 81	160 174	148 92	170 185	157 103	181 196	166 116	191 208	175 128	201 216	184 142	212 216	193 156	216 216
50		100 109	95 39	109 119	103 47	119 129	112 54	128 140	120 63	138 150	128 72	147 160	137 81	157 171	145 91	167 181	153 102	176 191	161 114	186 202	170 126	195 207	178 138	205 207
52		92 98	88 35	101 110	96 41	110 120	103 48	119 129	111 56	128 139	119 64	136 148	126 72	145 158	134 81	154 167	142 91	163 177	149 101	172 186	157 112	180 196	164 123	189 199
54		86 87	78 31	94 102	89 37	102 111	96 43	110 120	103 50	118 129	110 57	126 137	117 65	135 146	124 73	143 155	131 81	151 164	138 90	159 173	145 100	167 182	153 110	175 191
56		78 78		87 94	82 33	95 103	89 39	102 111	96 45	110 120	102 51	118 128	109 58	125 136	115 65	133 144	122 73	140 153	129 81	148 161	135 89	155 169	142 98	163 177
58		70 70		81 84	75 30	88 96	83 35	95 104	89 40	103 111	95 46	110 119	101 52	117 127	108 59	124 135	114 65	131 142	120 73	138 150	126 80	145 158	132 88	152 165
Depth	24		26		28		30		32		34		36		38		40		42		44		46	

For more information, contact the Standard Structures, Inc. Design Assistance Department toll free at 1-877-980-7732 (SPEC) or visit our website at http://www.ssispec.com

For Usage and General Notes see Page 16

Table 7H: SSW-44H (Rep. Increase of 7% allowed @ shaded areas for joist at 24" o.c. or less)

Note: This plf table represents "joist only" EI. Increases for composite EI. may misrepresent actual in-place product performance.

Depth	24		26		28		30		32		34		36		38		40		42		44		46	
SPAN (FT.)	100%TL 100%LL	115%TL 125%TL	100%TL 100%LL	115%TL 125%TL	100%TL 100%LL	115%TL 125%TL	100%TL 100%LL	115%TL 125%TL	100%TL 100%LL	115%TL 125%TL	100%TL 100%LL	115%TL 125%TL	100%TL 100%LL	115%TL 125%TL	100%TL 100%LL	115%TL 125%TL	100%TL 100%LL	115%TL 125%TL	100%TL 100%LL	115%TL 125%TL	100%TL 100%LL	115%TL 125%TL	100%TL 100%LL	115%TL 125%TL
24	432	432	432	432	432	432	432	432	432	432	432	432	432	432	432	432	432	432	432	432	432	432	432	432
	342	432	411	432	432	432	432	432	432	432	432	432	432	432	432	432	432	432	432	432	432	432	432	432
26	384	398	398	398	398	398	398	398	398	398	398	398	398	398	398	398	398	398	398	398	398	398	398	398
	269	398	323	398	382	398	398	398	398	398	398	398	398	398	398	398	398	398	398	398	398	398	398	398
28	331	370	363	370	370	370	370	370	370	370	370	370	370	370	370	370	370	370	370	370	370	370	370	370
	216	370	259	370	306	370	356	370	370	370	370	370	370	370	370	370	370	370	370	370	370	370	370	370
30	288	332	316	345	343	345	345	345	345	345	345	345	345	345	345	345	345	345	345	345	345	345	345	345
	175	345	210	345	248	345	290	345	334	345	345	345	345	345	345	345	345	345	345	345	345	345	345	345
32	253	291	278	319	302	324	324	324	324	324	324	324	324	324	324	324	324	324	324	324	324	324	324	324
	144	317	173	324	205	324	239	324	275	324	315	324	324	324	324	324	324	324	324	324	324	324	324	324
34	224	258	246	283	267	305	289	305	305	305	305	305	305	305	305	305	305	305	305	305	305	305	305	305
	120	281	144	305	171	305	199	305	230	305	262	305	297	305	305	305	305	305	305	305	305	305	305	305
36	200	230	219	252	238	274	257	288	277	288	288	288	288	288	288	288	288	288	288	288	288	288	288	288
	101	250	122	274	144	288	168	288	193	288	221	288	251	288	282	288	288	288	288	288	288	288	288	288
38	180	207	197	226	214	246	231	266	248	273	265	273	273	273	273	273	273	273	273	273	273	273	273	273
	86	225	103	246	122	267	143	273	165	273	188	273	213	273	240	273	268	273	273	273	273	273	273	273
40	162	187	178	204	193	222	209	240	224	258	239	259	255	259	259	259	259	259	259	259	259	259	259	259
	74	203	89	222	105	241	122	259	141	259	161	259	183	259	205	259	230	259	255	259	259	259	259	259
42	147	169	161	185	175	201	189	218	203	234	217	247	231	247	245	247	247	247	247	247	247	247	247	247
	64	184	77	201	91	219	106	236	122	247	139	247	158	247	177	247	198	247	220	247	244	247	247	247
44	134	154	147	169	160	184	172	198	185	213	198	228	211	235	223	235	235	235	235	235	235	235	235	235
	56	168	67	184	79	199	92	215	106	231	121	235	137	235	154	235	172	235	192	235	212	235	233	235
46	122	141	134	154	146	168	158	181	169	195	181	208	193	222	204	225	216	225	225	225	225	225	225	225
	49	153	58	168	69	182	80	197	93	212	106	225	120	225	135	225	151	225	168	225	185	225	204	225
48	107	130	123	142	134	154	145	167	156	179	166	191	177	204	188	216	198	216	209	216	216	216	216	216
	43	141	51	154	61	168	71	181	82	194	93	208	106	216	119	216	133	216	148	216	163	216	179	216
50		119	114	131	124	142	133	153	143	165	153	176	163	188	173	199	183	207	193	207	203	207	207	207
		126	45	142	54	154	63	167	72	179	83	192	94	204	105	207	118	207	131	207	144	207	159	207
52		110	101	121	114	131	123	142	133	152	142	163	151	173	160	184	169	194	178	199	187	199	197	199
		112	40	131	48	143	56	154	64	166	73	177	83	189	94	199	105	199	116	199	128	199	141	199
54		100	90	112	106	122	114	132	123	141	131	151	140	161	148	171	157	180	165	190	174	192	182	192
		100	36	120	43	132	50	143	57	154	66	164	74	175	84	185	93	192	104	192	115	192	126	192
56		90		104	95	113	106	122	114	131	122	140	130	150	138	159	146	168	154	177	162	185	169	185
		90		108	38	123	45	133	51	143	59	153	67	163	75	172	84	182	93	185	103	185	113	185
58		81		97	86	106	99	114	107	123	114	131	121	139	129	148	136	156	143	165	151	173	158	179
		81		97	34	115	40	124	46	133	53	142	60	152	67	161	75	170	84	179	92	179	102	179
Depth	24		26		28		30		32		34		36		38		40		42		44		46	

For more information, contact the Standard Structures, Inc. Design Assistance Department toll free at 1-877-980-7732 (SPEC) or visit our website at http://www.ssispec.com

For Usage and General Notes see Page 16

USAGE AND GENERAL NOTES FOR SSW TRUSS LOAD TABLES

- Straight line interpolations may be made between depths and spans.
- TL values shown are maximum allowable load capacities of the trusses in pound per lineal foot (PLF) based on:
  - o Simple span, uniformly loaded conditions, and assume roof applications have provisions for positive drainage (1/4" per foot minimum).
  - o Span is the horizontal Clear Span in feet plus two inches.
- SSW Joist will be custom designed to loads specified for the project.
- The table may be used for bottom chord bearing and/or for cantilevers at both or either ends which do not exceed 1/3 of the main span length.
- TL values for SSW Joists are based on minimum bearings of 2 inches, holding a maximum distance of 1/2 inch from the face of the support to the centerline of the pin.
- All TL values within this table that are shaded may be increased 7% for repetitive member usage if the criteria therein are met.
- Self weight of member is assumed to be included in the allowable uniform load.

Sizing floor trusses:

- Check both live load (100%) and total load (100%TL). When live load is not shown, total load will control. Total load values limit deflection to L/240. Live load values are based on a floor deflection limit of L/600 using solely the EI of the joist. For live load deflections of L/360, L/480 multiply 100% LL value by 1.33 or 1.25 respectively.
- Where both the 100% TL and the 100% LL values are not shown it is the position of Standard Structures, Inc that dynamic characteristics of the floor will control the design. Based on more than a half century of providing engineered wood products we feel that specifying floor joist members with a depth to span ratio beyond those noted may result in a floor with an unacceptable feel. Call the Design Assistance Department at toll free 1-877-980-SPEC for a subjective evaluation of floor dynamic characteristics prior to specifying floor joists beyond those depth to span ratios listed.

Sizing roof trusses:

- Check the appropriate snow load area (115%) or non-snow load area (125%) value to determine the maximum allowable total load. Total load (115% TL and 125% TL) values limit truss deflection to L/180.

Sizing tapered and pitched trusses:

- The minimum end depths for SSW 42, SSW 42H, SSW 62, and SSW 62H is 14" at low end and maximum depth of 50" at high end. The minimum end depths for SSW 43, SSW 43H, SSW 44, SSW 44H is 16" at low end and maximum depth of 64" at high end."
- FOR PITCHED---The minimum end depths for SSW 42, SSW 42H, SSW 62, SSW 62H is 14" and the maximum ridge depth is 50". The minimum end depth for SSW 43, SSW 43H, SSW 44, SSW 44H is 16" and the maximum ridge depth is 64".
- Using the Equivalent Depth Table, find the shallow end depth and the centerline depth desired. The box at the intersection of end and centerline depths contains the minimum depth (Equivalent Depth) of a parallel chord truss that would carry the same load as the pitched truss being checked.
- At the load table find the maximum load at the intersection of the truss Span and the Equivalent Depth (depth).

For exact load capacity refer to the SSI Sizer program or the section properties in ICC-ES-ESR-5803.

Table 8: Equivalent Depth Table

End Depth (Inches) \ Centerline Depth (Inches)	18	20	22	24	26	28	30	32	34	36	38	40	42	44	46	48	50	52	54
14	17	19	21	22	24	26	27	29	30	32	33	34	36	37	39	40	42	43	44
16	17	19	21	23	24	26	28	29	31	32	34	35	37	38	40	41	43	44	46
18	18	19	21	23	25	27	28	30	31	33	35	36	38	39	41	42	44	45	46
20		20	22	23	25	27	29	30	32	34	35	37	38	40	41	43	44	46	47
22			22	24	25	27	29	31	32	34	36	37	39	40	42	44	45	47	48
24				24	26	27	29	31	33	34	36	38	39	41	43	44	46	47	49
26					26	28	29	31	33	35	37	38	40	42	43	45	47	48	50
28						28	30	31	33	35	37	39	40	42	44	45	47	49	50
30							30	32	33	35	37	39	41	42	44	46	47	49	51
32								32	34	35	37	39	41	43	44	46	48	49	51
34									34	36	37	39	41	43	45	46	48	50	52
36										36	38	39	41	43	45	47	49	50	52
38											38	40	41	43	45	47	49	51	52
40												40	41	43	45	47	49	51	53

Proof Loader

The Proof-Load machine tests every flange (chord) for fingerjoint and lumber quality on all 43 and 44 MSR material. Proof loading is per ANSI 190.1.

Tension Tester

The tension tester is an inline proof-loading machine that tests every flange (chord) for fingerjoint and lumber quality on all 42 MSR material 68' in length or less.

Typical Top Chord Bearing Detail
A1 Bearing Clip

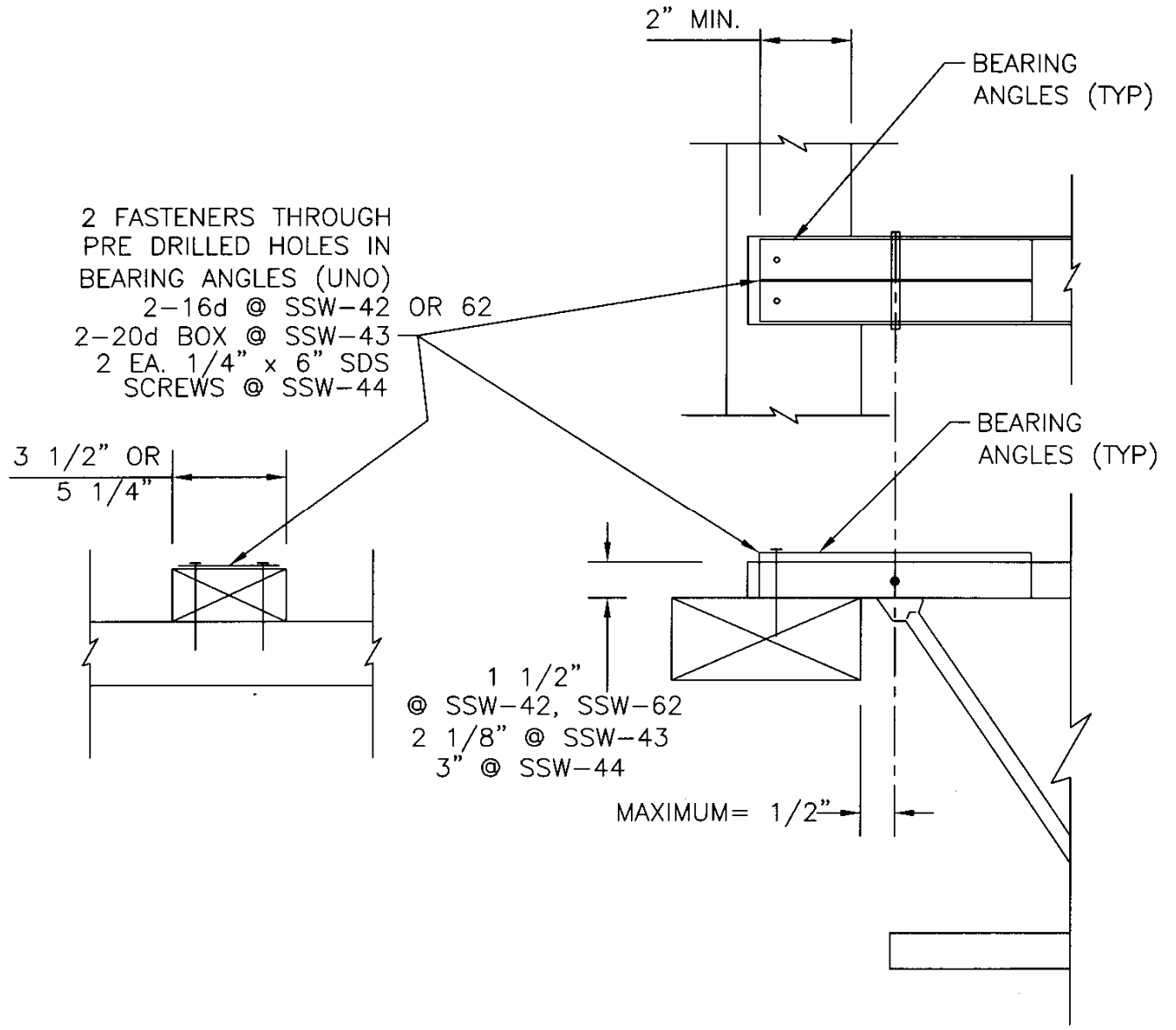


Table 9: Allowable End Reaction (lbs)				
Clip Style	**SSW-42/42H**	**SSW-62/62H**	**SSW-43/43H**	**SSW-44/44H**
Top Chord Bearing (A1)	2640	2940	3980	5180
Bottom Chord Bearing (A1)	3390	Pending	Pending	Pending

For SI: 1 inch = 25.4 mm, 1 lbf = 4.448 N

Typical Top Chord Bearing Detail
A3 Bearing Clip

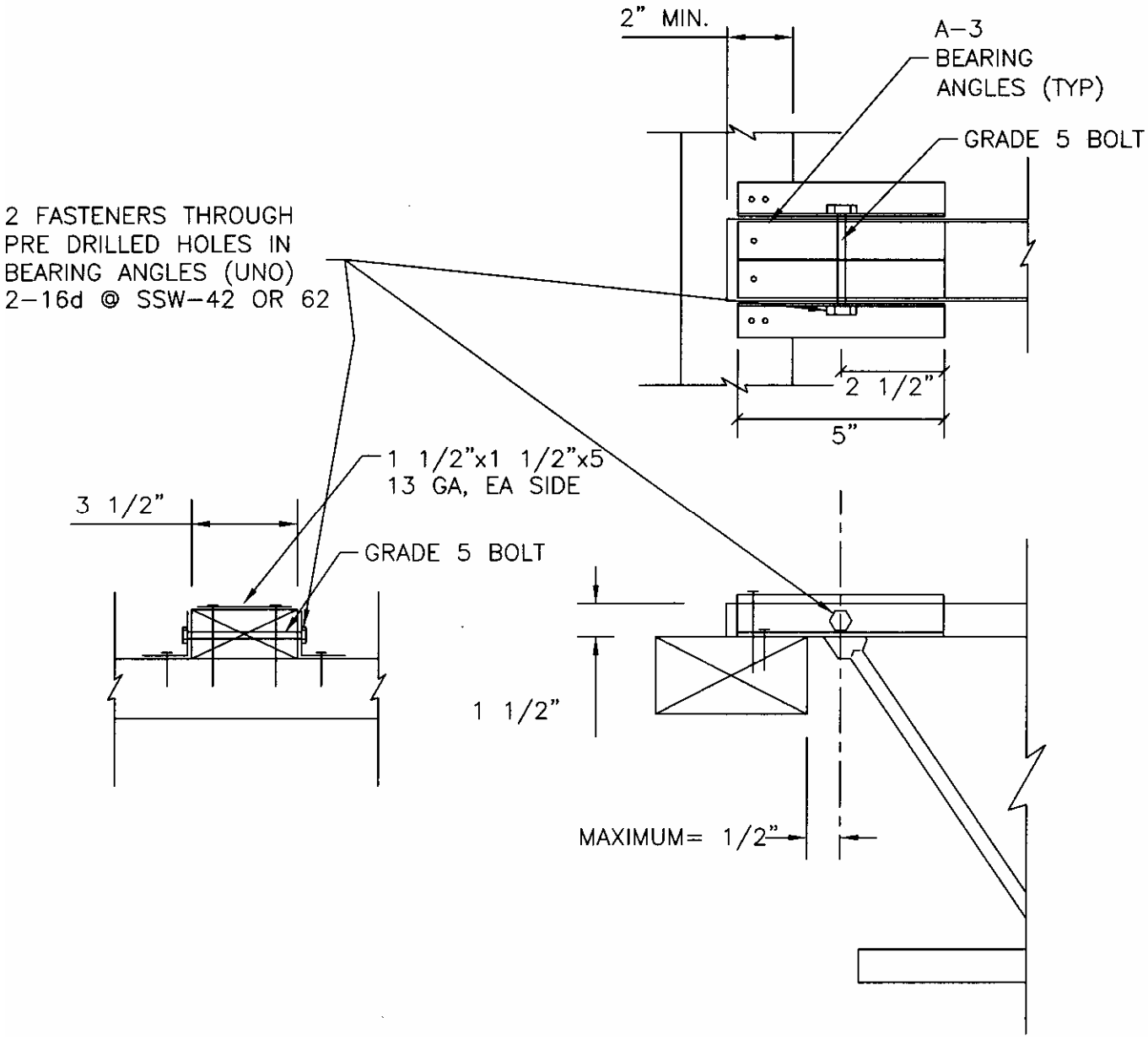
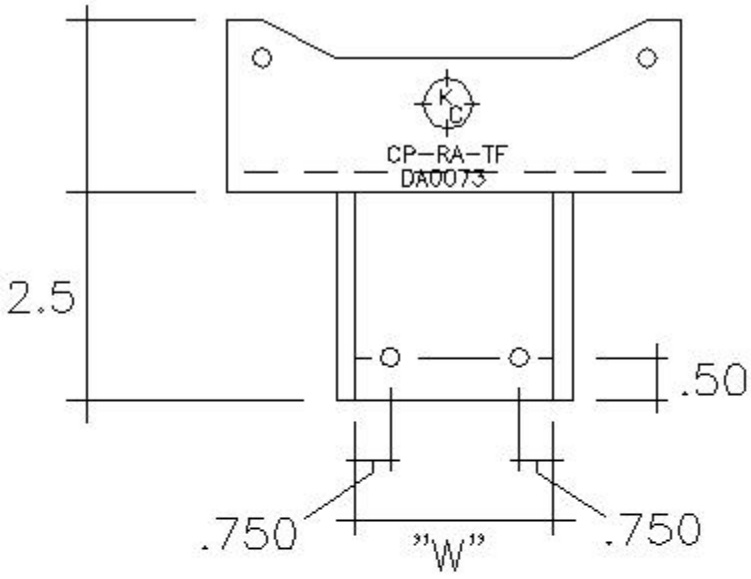


Table 10: Allowable End Reaction (lbs)				
Clip Style	**SSW-42/42H**	**SSW-62/62H**	**SSW-43/43H**	**SSW-44/44H**
Winged Clips (A3)	2920	Pending	Pending	Pending

For SI: 1 inch = 25.4 mm, 1 lbf = 4.448 N

Typical Top Chord Bearing Detail
Flush Mount Hanger



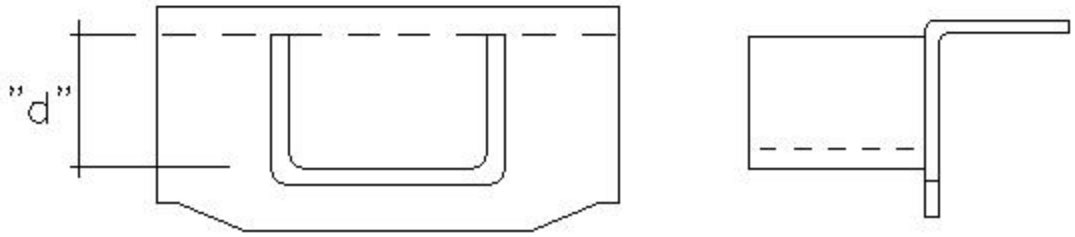
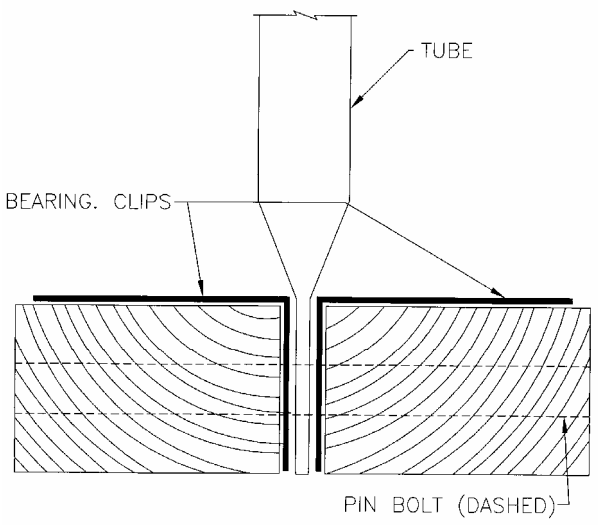


Table 11:			
Hanger Dimensions			
Model	Depth	Width	Load
42	1.5 in.	3.56 in.	2795 lbs
62	1.5 in.	5.35 in.	
43	2.125 in.	3.56 in.	3684 lbs
44	3 in.	3.56 in.	

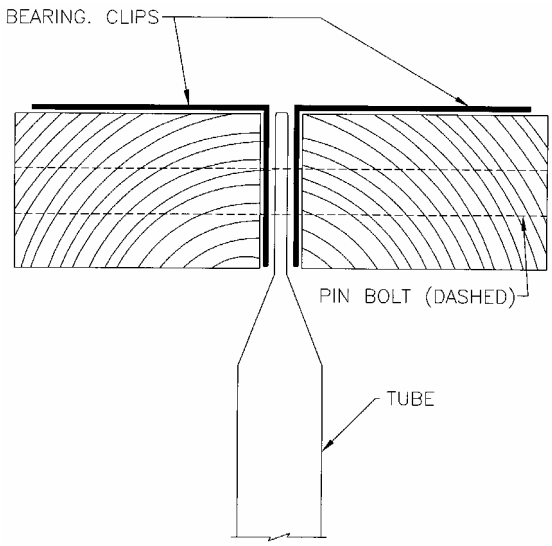
BEARING CLIP CONFIGURATION END VIEWS

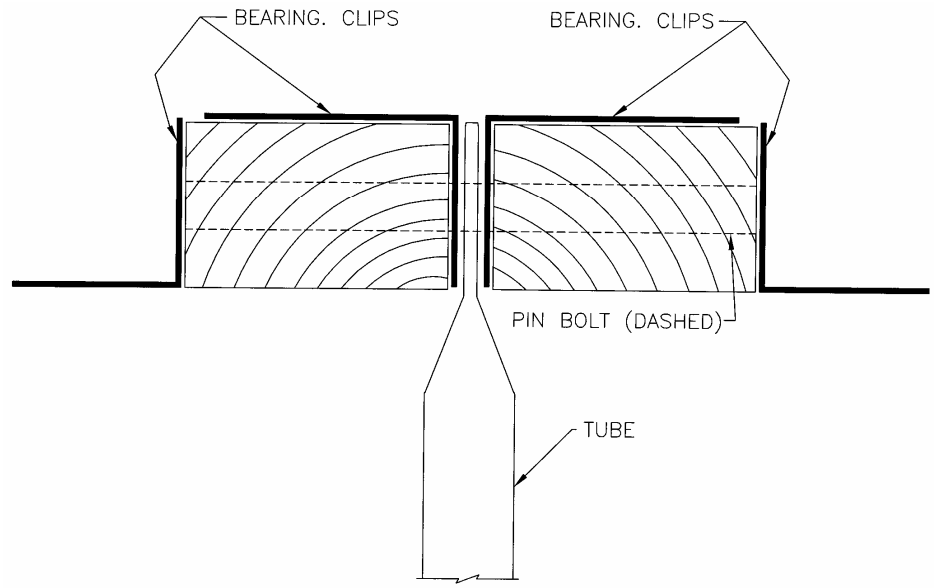
Drawings are not to scale SSW-42 shown

Clip Quantity=2



Clip Quantity=2





Clip Quantity=4

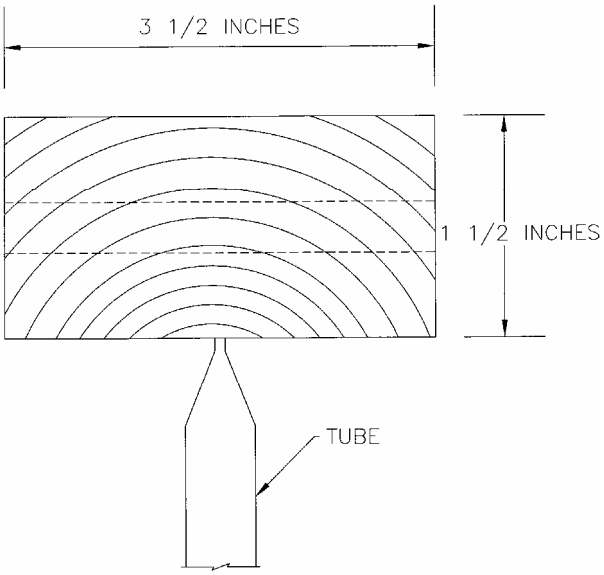
Table 12:	
SSW WEB TUBES	
1.000"-O.D.	19 Ga.
1.000"-O.D.	18 Ga.
1.000"-O.D.	16 Ga.
1.000"-O.D.	14 Ga.
1.125"-O.D.	13 Ga.
1.500"-O.D.	13 Ga.
2.000"-O.D.	13 Ga.

FLANGE TYPES (END VIEWS)

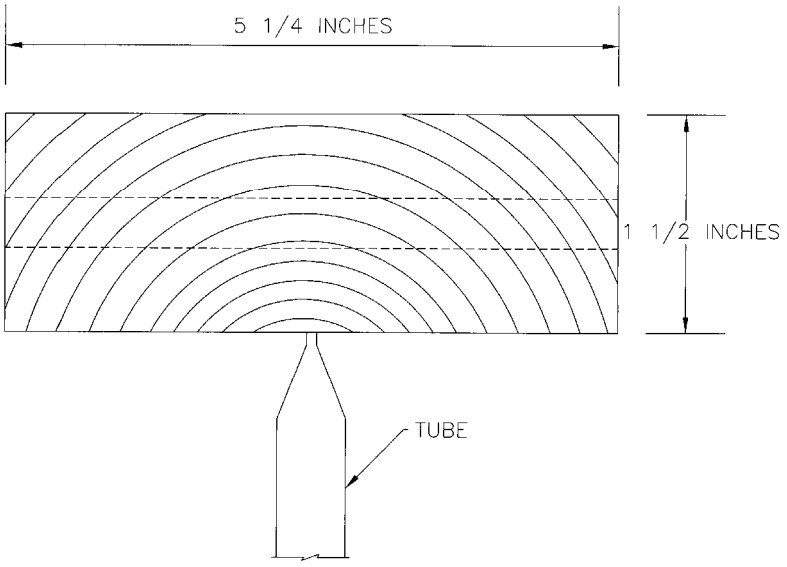
Drawings are not to scale

Flanges are either MSR 2400 Spruce Pine Fir or MSR 2850 Douglas Fir

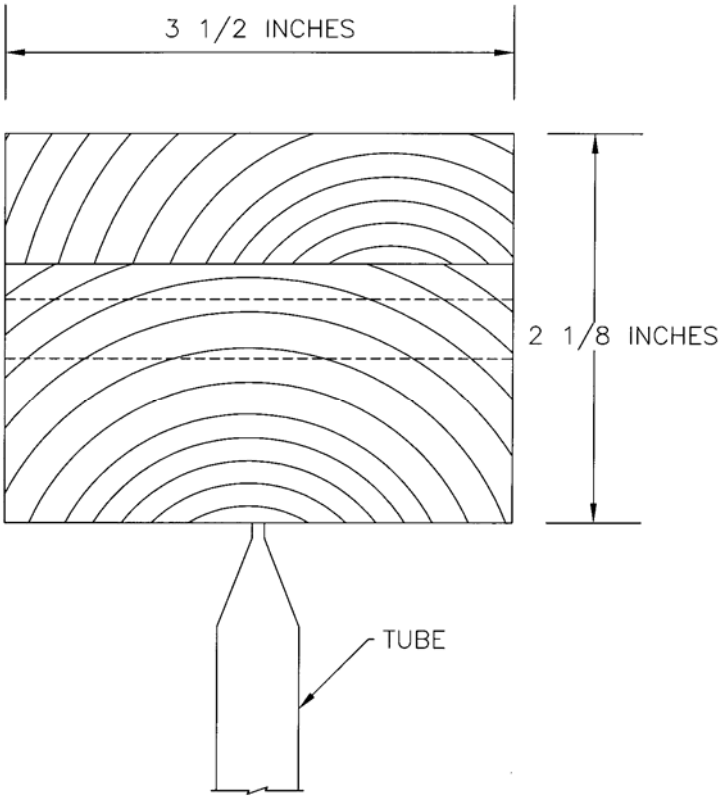
SSW-42, SSW-42H
Solid Sawn or Finger-jointed MSR Lumber



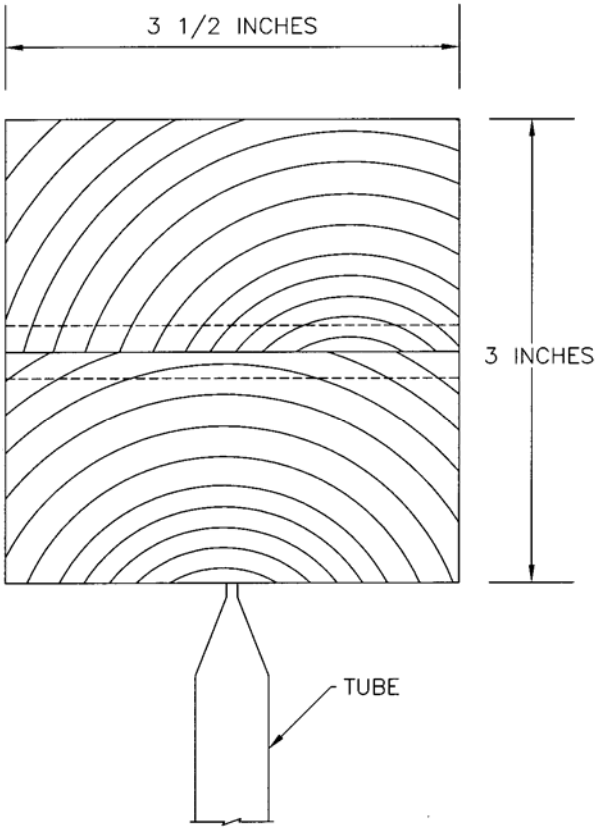
SSW-62, SSW-62H
Solid Sawn or Finger-jointed MSR Lumber



SSW-43, SSW-43H & SSW-42B, SSW-42BH
Finger-jointed & Laminated MSR Lumber



SSW-44, SSW-44H
Finger-jointed & Laminated MSR Lumber



Lateral Load Detail

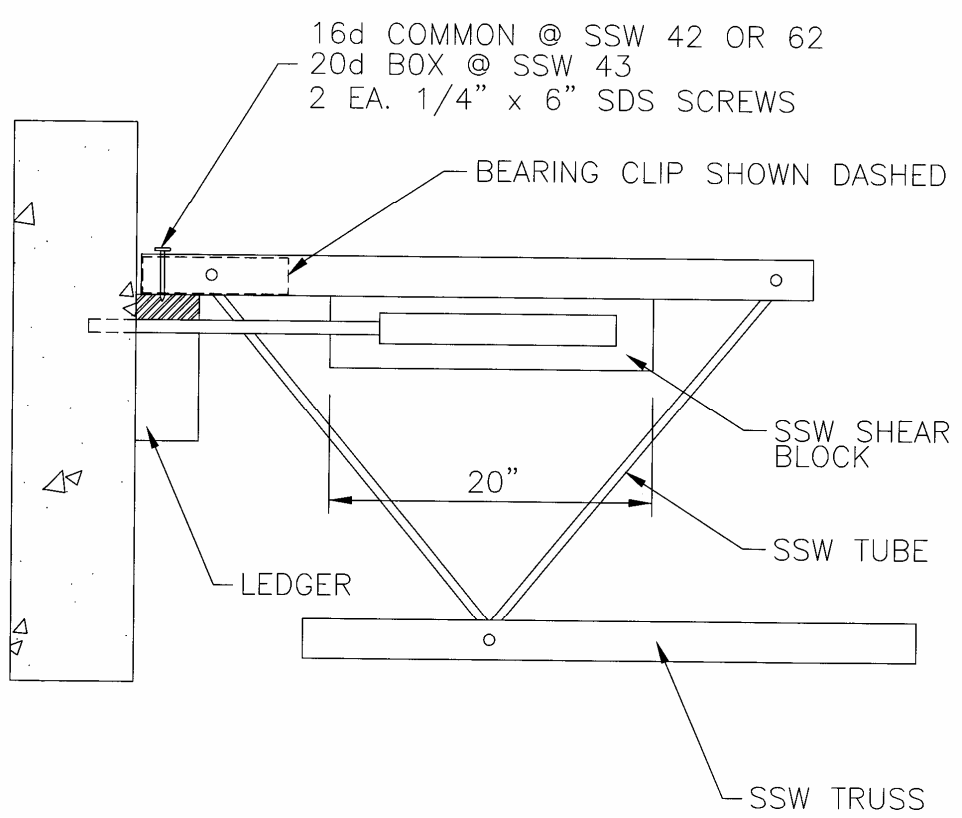
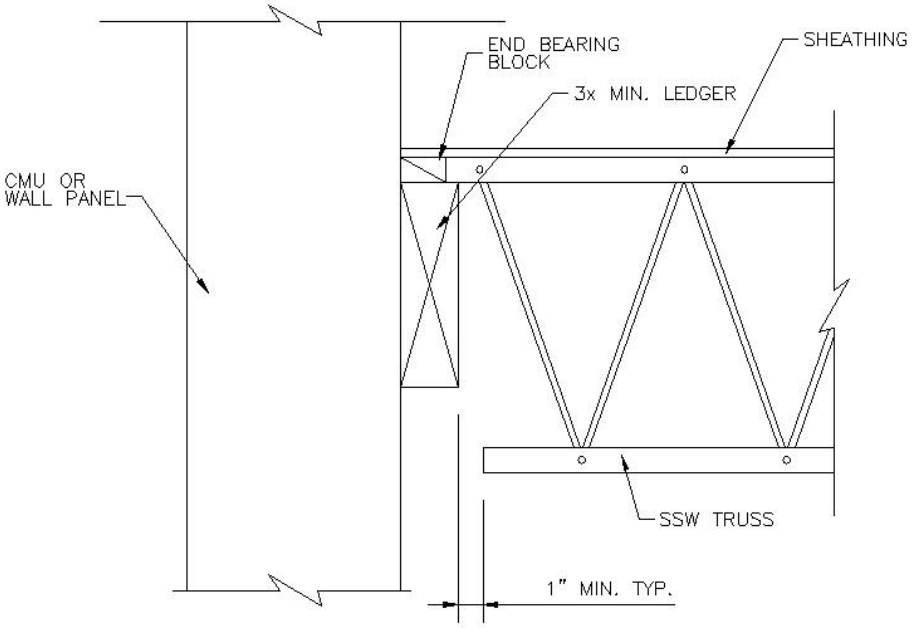
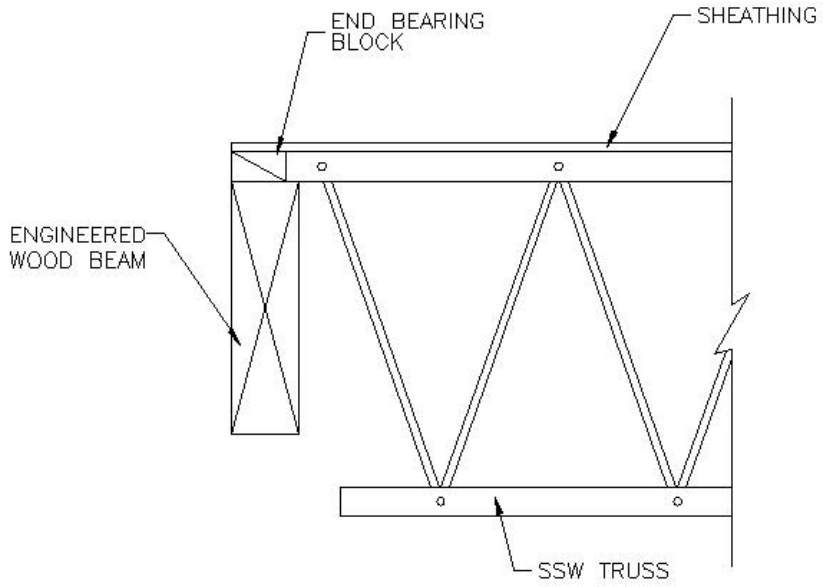


Table 13: SSW Lateral Load Capacity [1]			
Truss	**Connection**	**Load**	**Clip**
42/62	2 ea. - 16d Common	282 lbs.	A1
42/62	4 ea. - 1/4" x 3 1/2 SDS Screws	1280 lbs.	A1 (4x Minimum Bearing)
42/62	2 ea. - 16d Common with Holdown [2]	2090 lbs.	A1 w/ Glued Holdown Block
42/62	6 ea. - 1/4" x 3 1/2" SDS Screws	1920 lbs.	A1 (4x Minimum Bearing)
43	2 ea. - 20d Common	340 lbs.	A1
43	4 ea. - 1/4" x 6" SDS Screws	1280 lbs.	A1 (4x Minimum Bearing)
43	2 ea. - 20d Common with Holdown	3890 lbs.	A1 w/ Glued Holdown Block
43	6 ea. - 1/4" x 6" SDS Screws	1920 lbs.	A1 (4x Minimum Bearing)
44	2 ea. - 1/4" x 6" SDS Screws	690 lbs.	A1
44	4 ea. - 1/4" x 6" SDS Screws	1275 lbs.	A1
44	2ea. - 1/4" x 6" SDS Screws w/ Holdown	6815 lbs.	A1 w/ Glued Holdown Block
42/43/44	4 ea. - 16d Common [3]	720 lbs.	A3
42/43/44	4 ea. - 1/4" x 2 1/2" SDS Screws	2500 lbs.	A3
42/43/44	6 ea. - 1/4" x 2 1/2" SDS Screws	3000 lbs.	A3

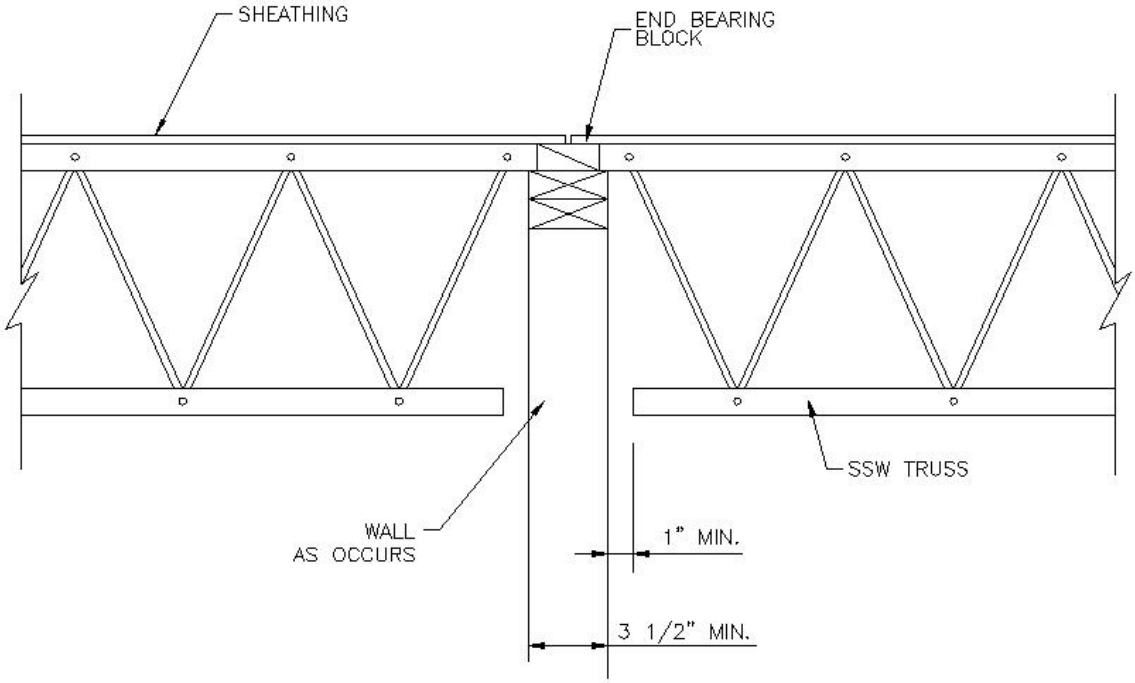
SSW Truss at wall panel with Ledger



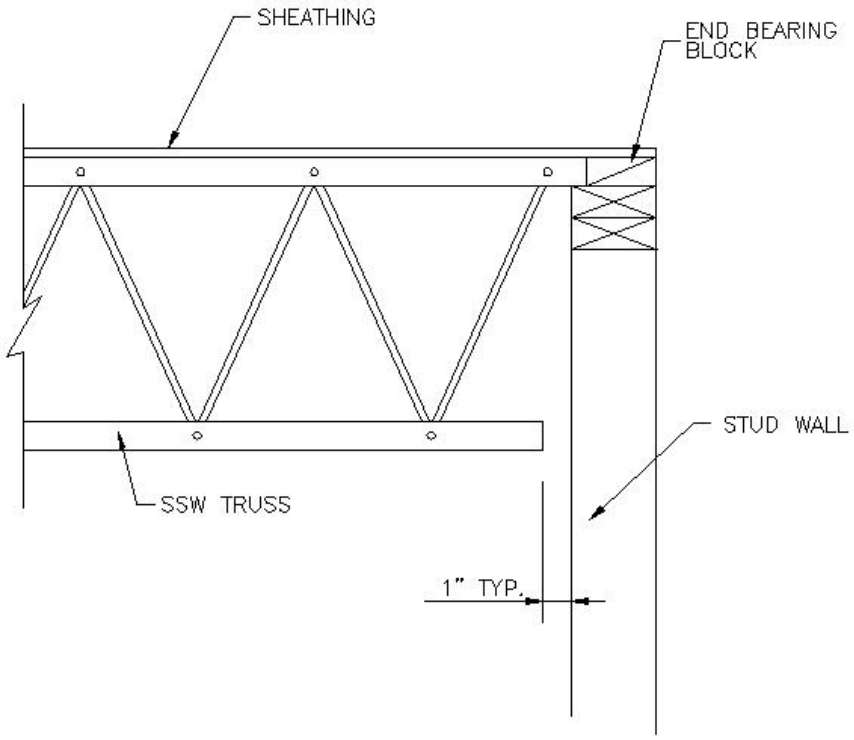
SSW Truss on Engineered Wood Beam



SSW Truss each side of Stud Wall

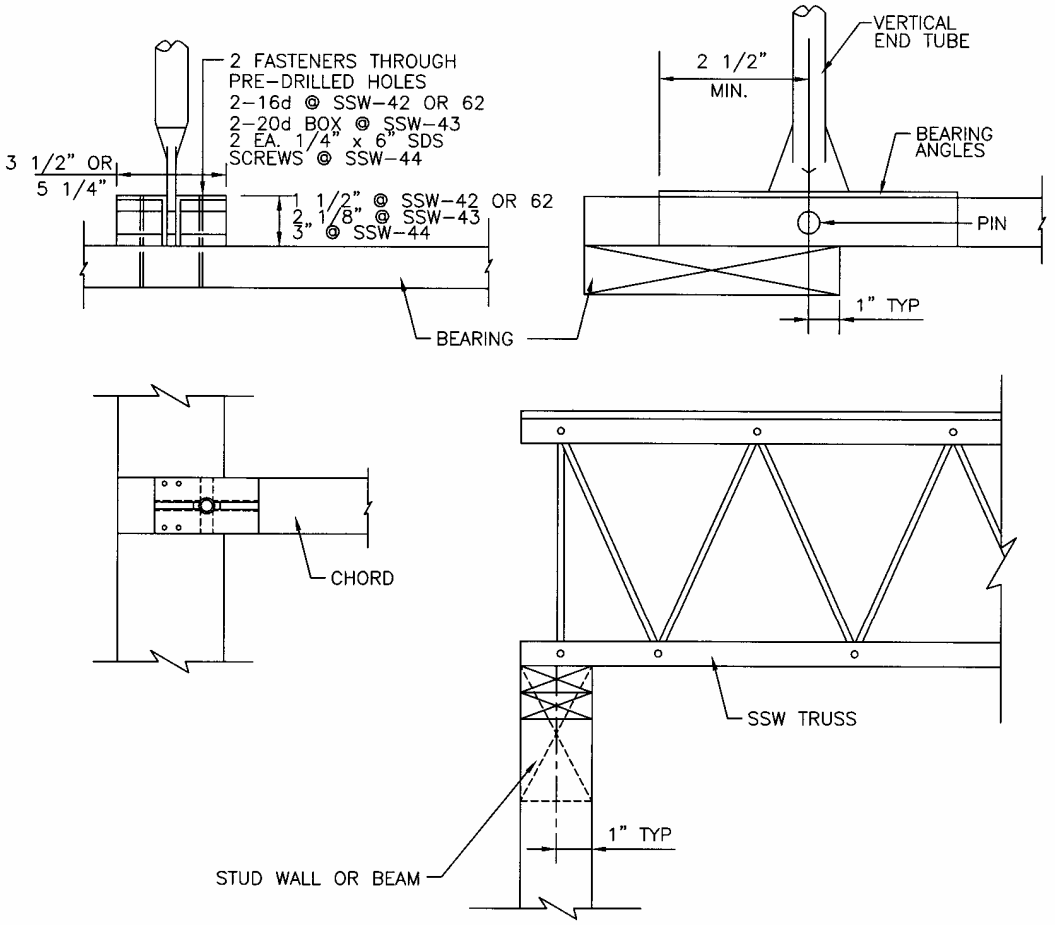


SSW Truss at Stud Wall on top plate

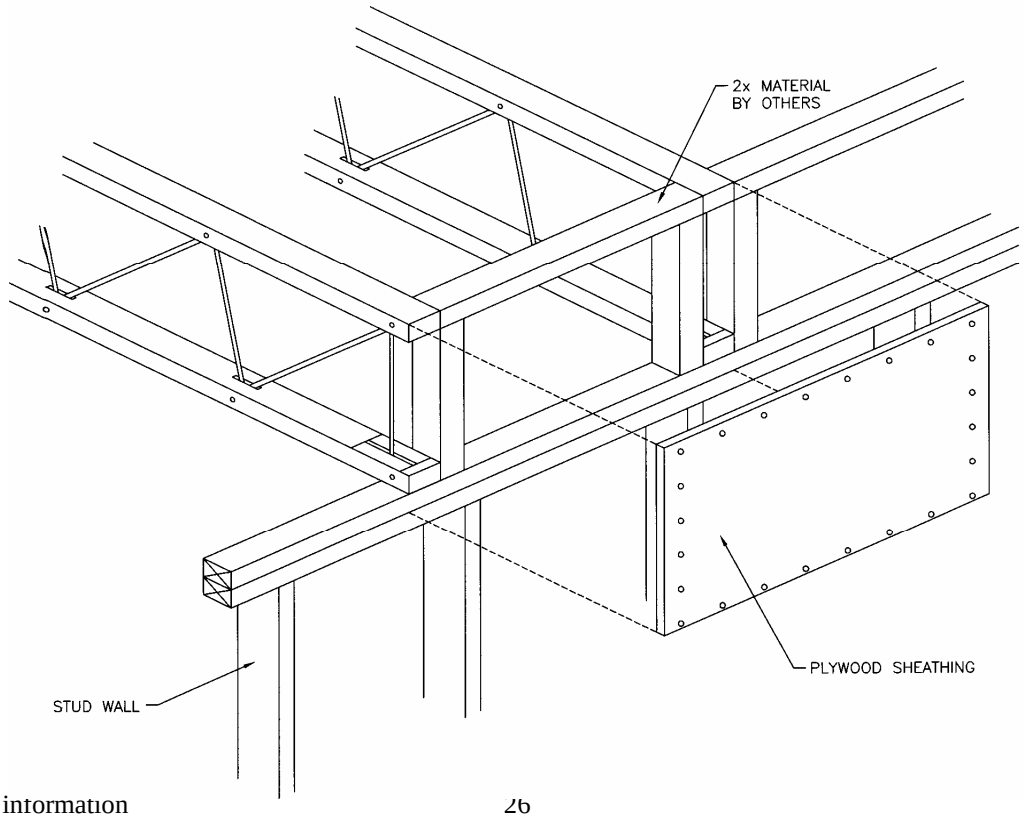


Typical Bottom Chord Bearing

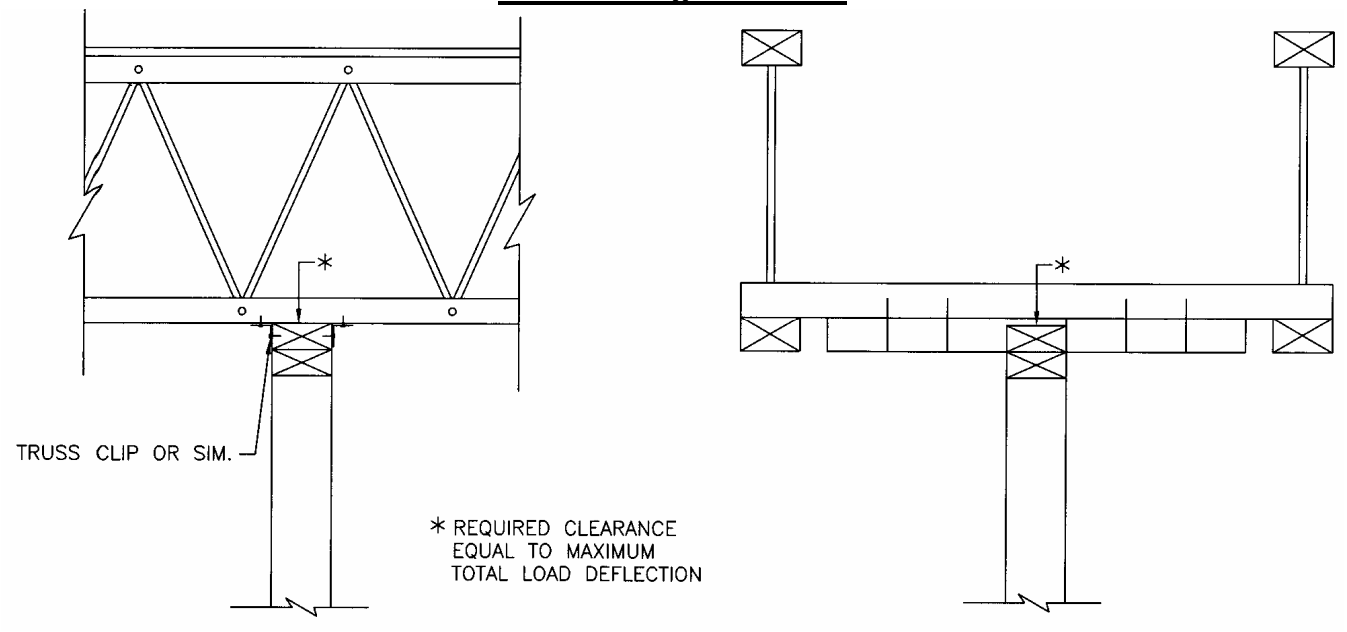
See Page 18 for End Reactions

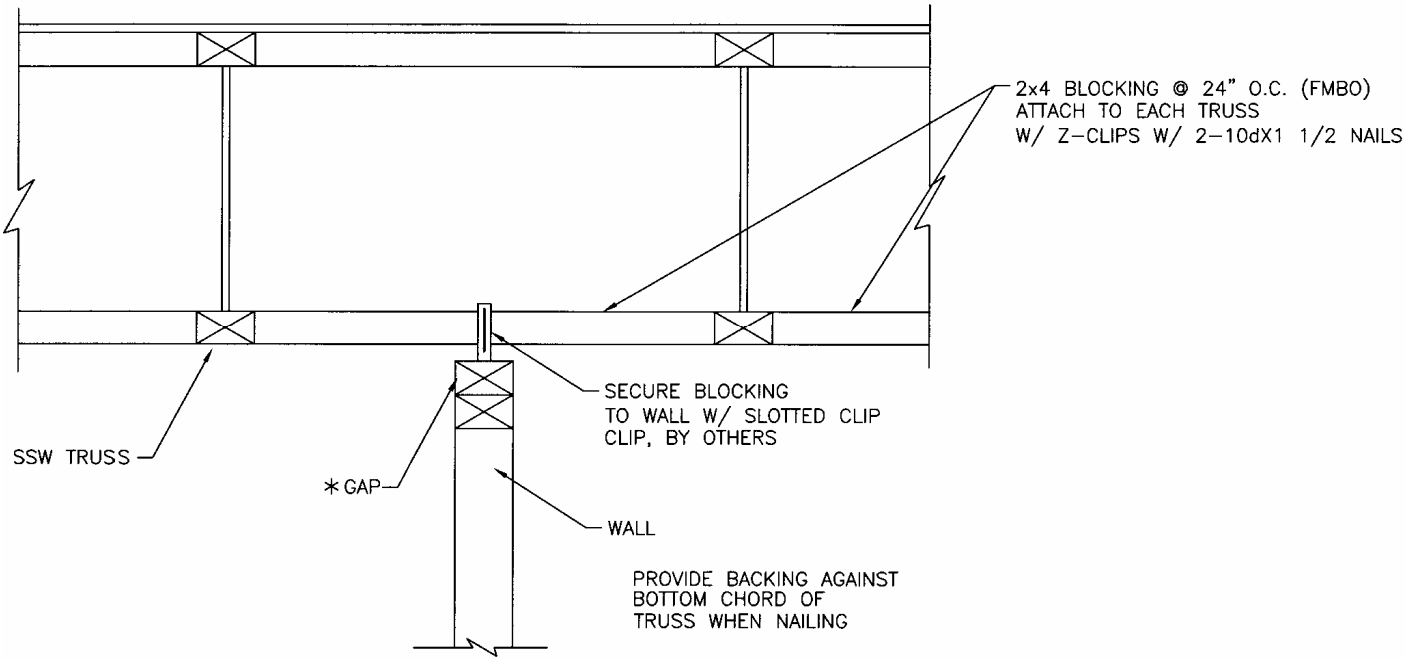


Shear Blocking



Non-Bearing Partitions





Skewed Wall

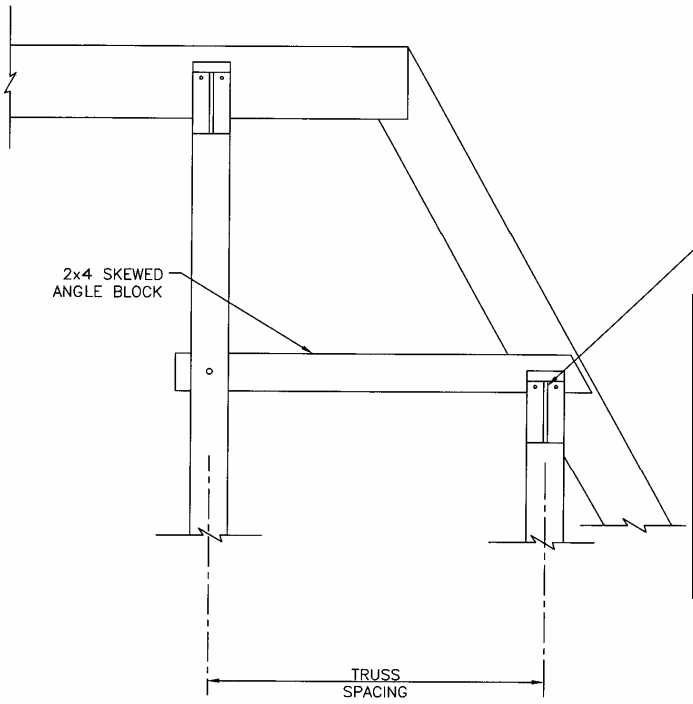
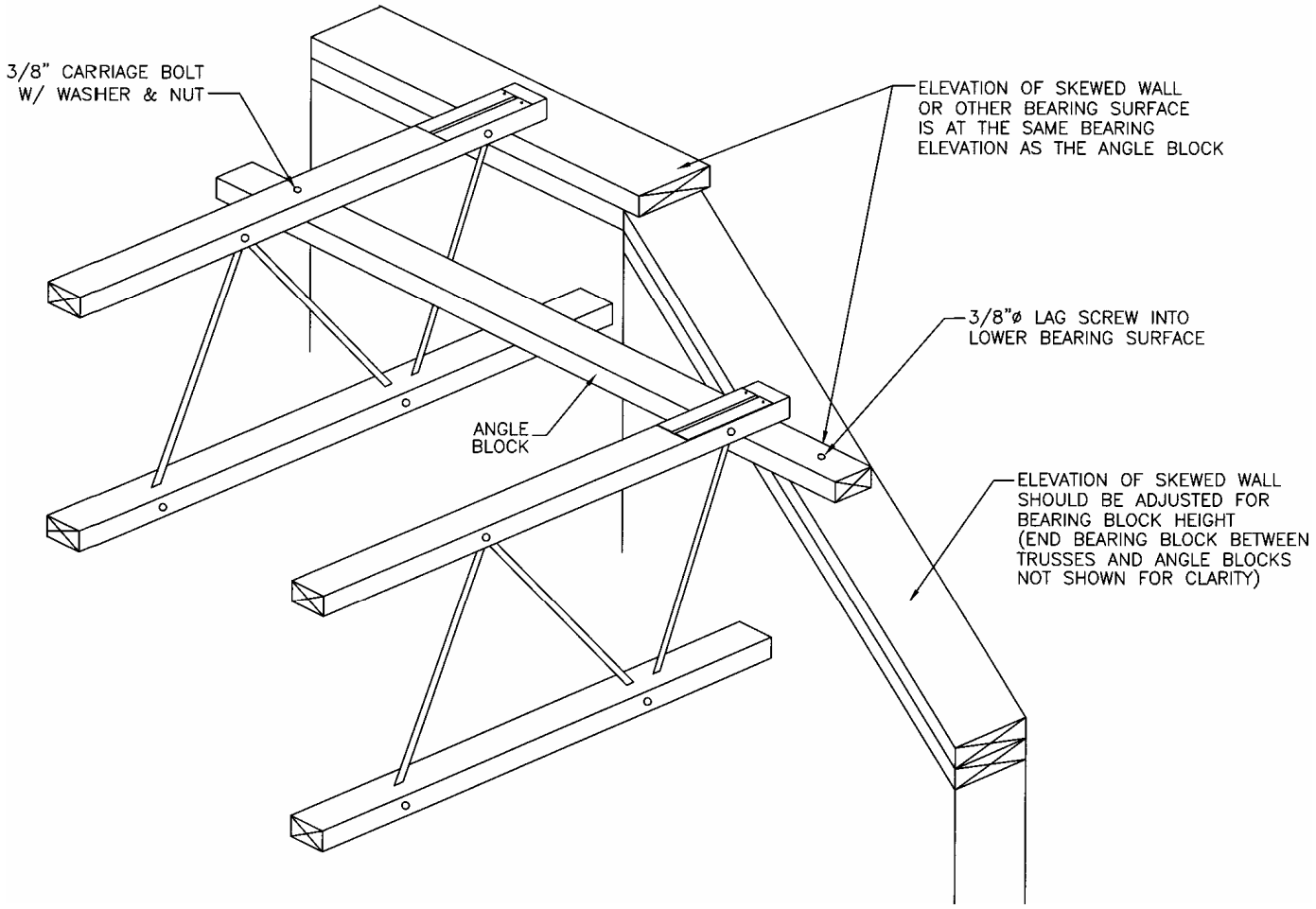


Table 14: Angled Truss Bearing

	Angle to 30 deg.	Angle 30-45 deg.	Angle < 45 deg.
Angle Block Required?	No	No	Yes
Bearing Design Capacity Reduction	None	75% of design capacity	100% of design capacity

To increase design capacity, use an angle block at skewed bearing.

Bearing at Skewed Wall or Beam



BEVELED PLATE REQUIREMENTS FOR SSW SERIES OPEN WEB JOISTS

Table 15: Beveled Plate for Top Chord					
TOP CHORD Bearing Conditions	Slope at which plate must be beveled based on minimum end dimension "X"				
		X= 2 1/2"	X= 3 "	X= 3 1/2"	X= 4"
SSW-42, SSW-43	Low End	> 1/2	> 3/8	> 5/16	> 1/4
	High End	> 1/2	> 1/2	> 1/2	> 1/2

Beveled plate to suit slope is required at all cantilevered bearings.

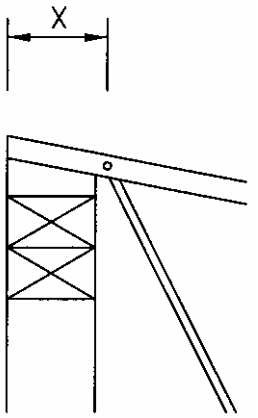
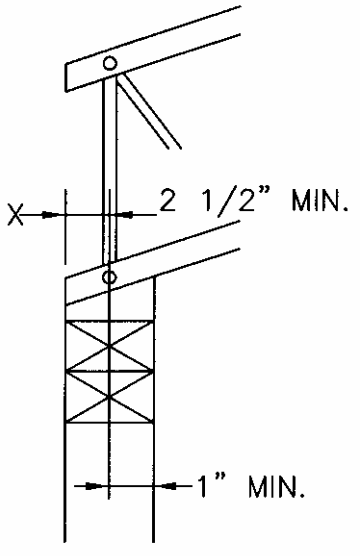
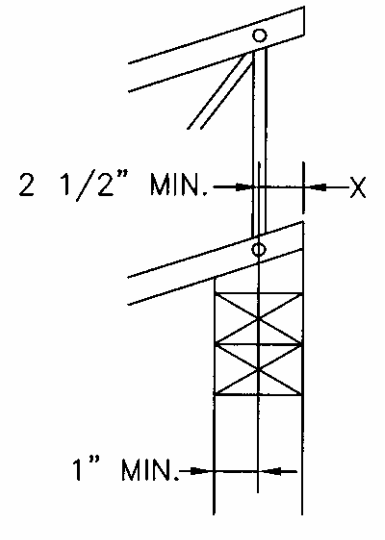


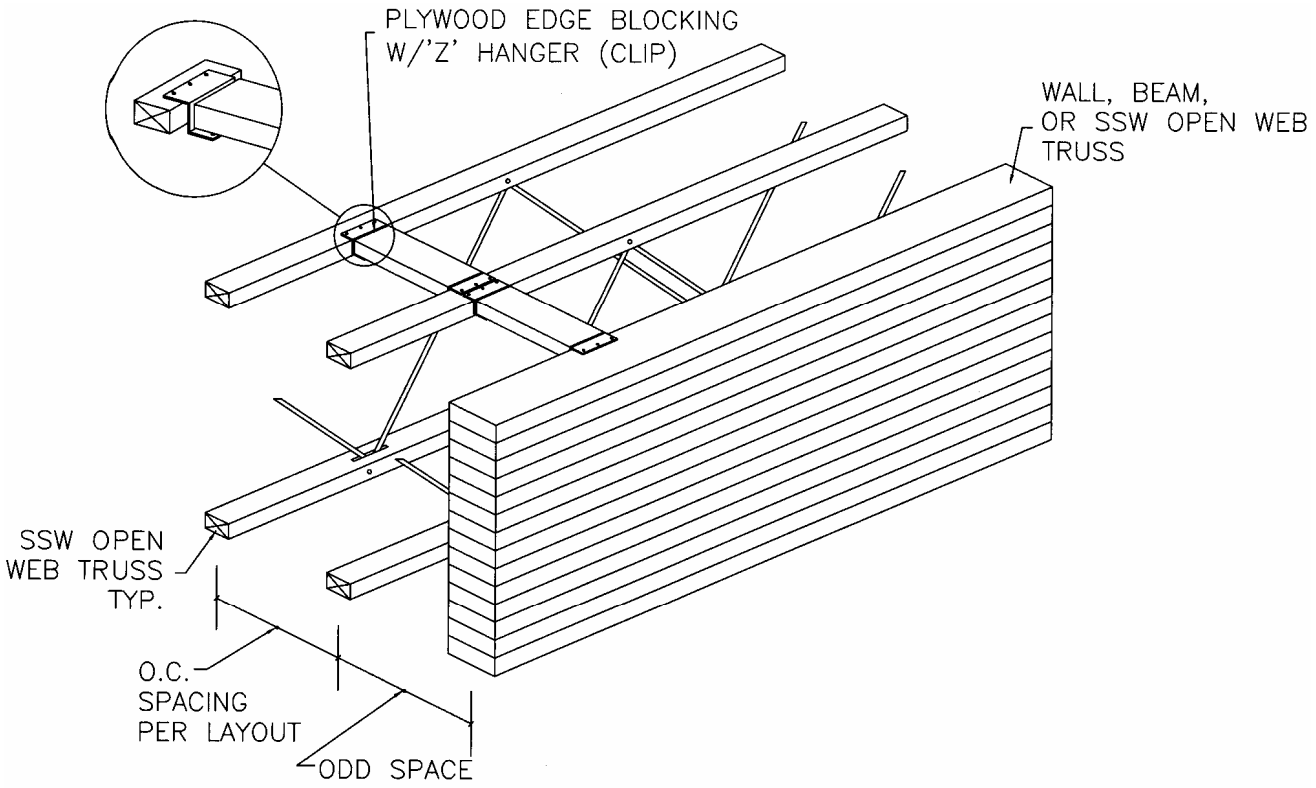
Table 16: Beveled Plate for Bottom Chord						
BOTTOM CHORD Bearing Conditions	Slope at which plate must be beveled based on minimum end dimension "X"					
		X = 1"	X= 2 "	X= 3 "	X= 4"	X= 5"
SSW-42, SSW-43	Low End	-	> 1/4	> 1/4	> 3/16	> 1/8
	High End	> 1/2	> 5/16	> 1/4	> 3/16	> 1/8

Beveled plate to suit slope is required at all cantilevered bearings.





Edge Blocking



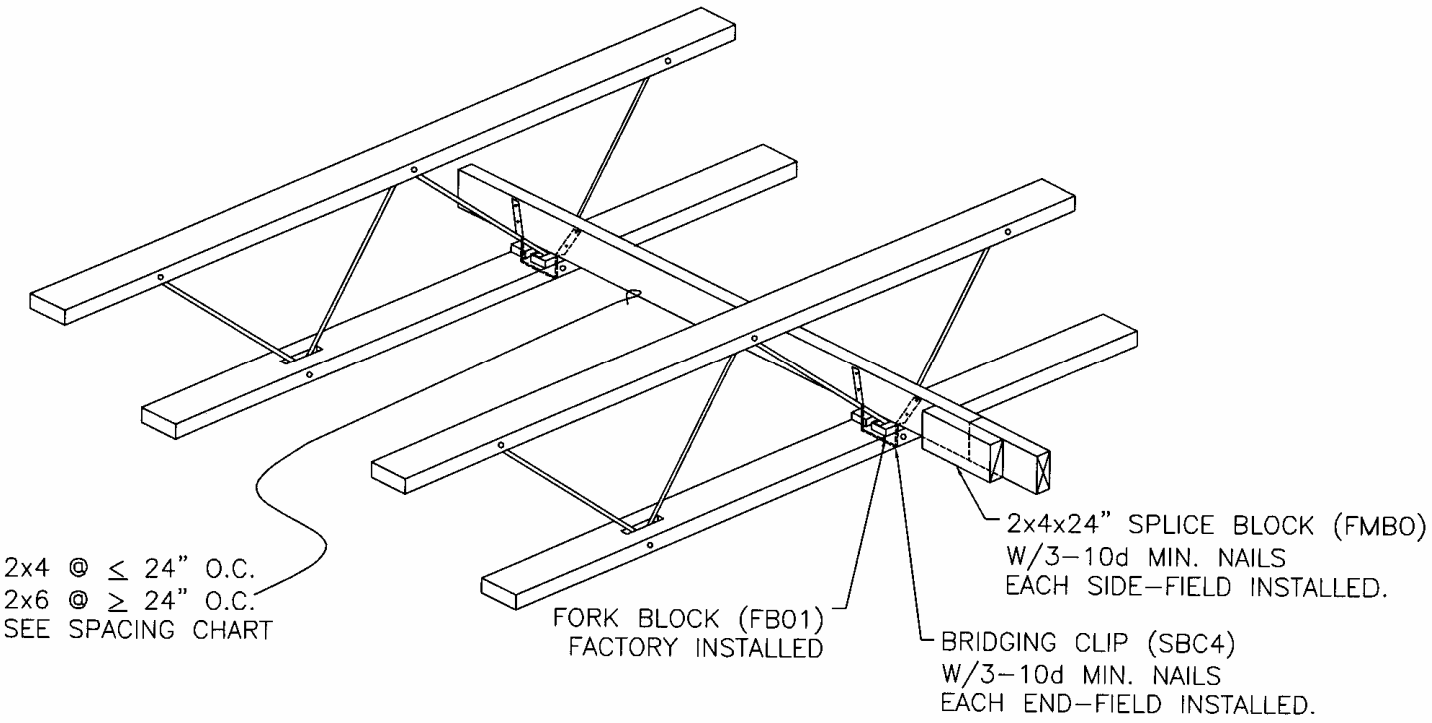
PLYWOOD EDGE BLOCKING WITH Z CLIPS IS AVAILABLE FROM THE MANUFACTURER

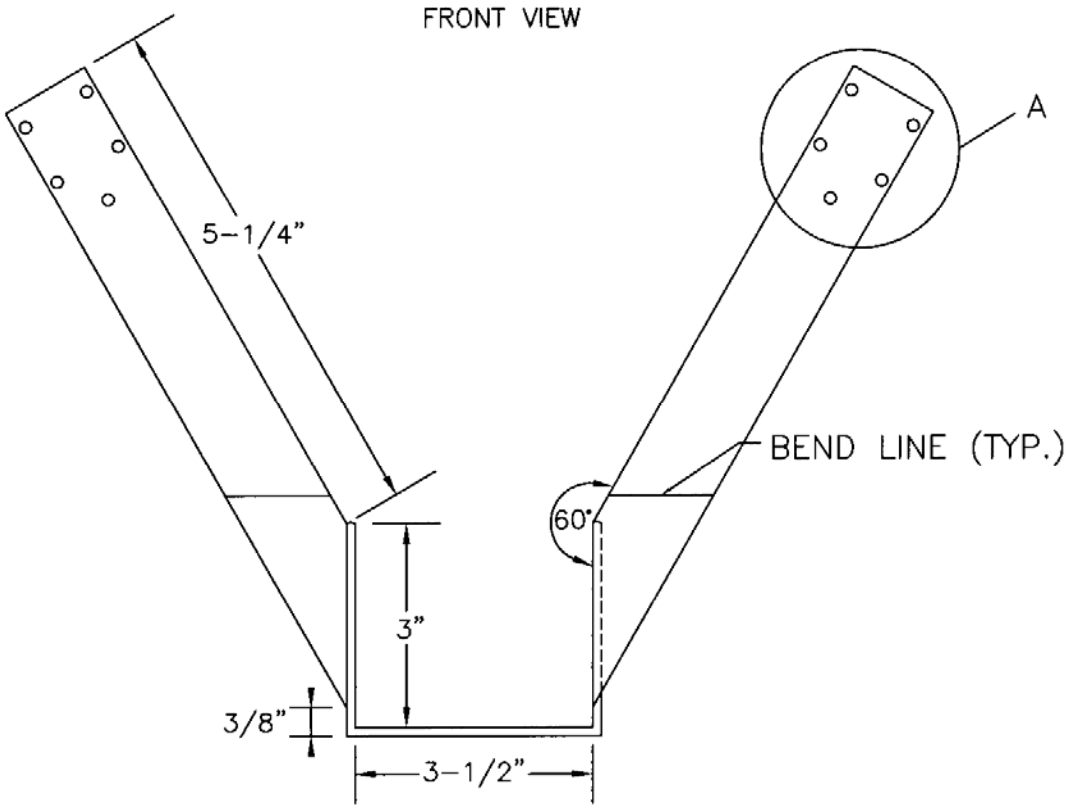
Table 17: "Z" Hangers (clips)

KC STK No	Ref No	Material	Dimensions (inches)				Nail Schedule		Design Load
			B	W	H	TF	Blocking	Joist	
ZH241	Z4	12 ga gal	2	1 1/2	3 7/16	1 3/8	1-16d	1-16d	545
ZH3428	Z38	28 ga gal	1 3/8	2 5/16	2 9/16	1 3/8	Staple	Staple	--
ZH44	Z44	12 ga gal	2	2 3/8	3 9/16	1 3/8	2-10d	2-10d	415

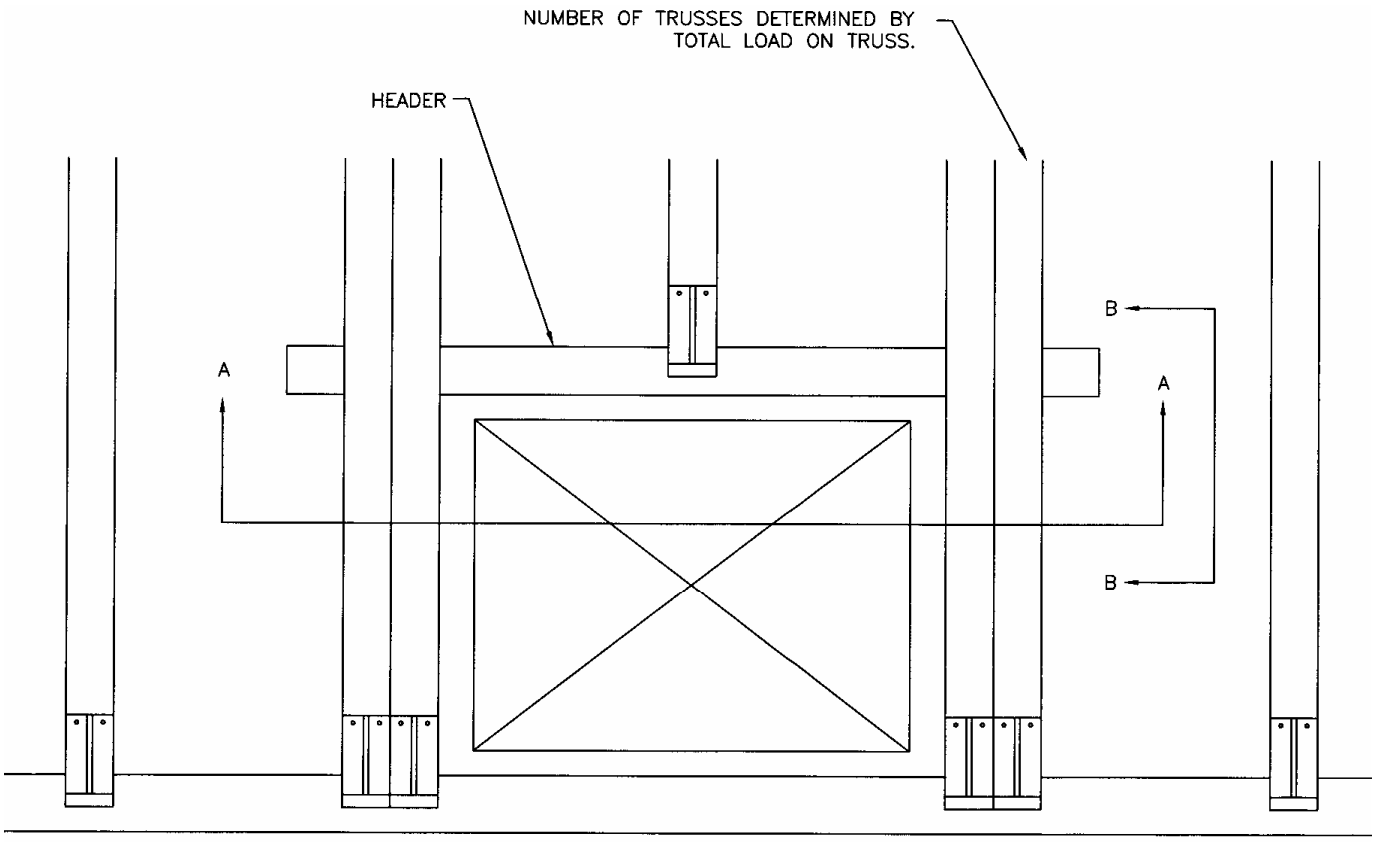
Plywood Edge Blocking with 'Z' hangers are available from SSI.

Strong Back Bridging Detail

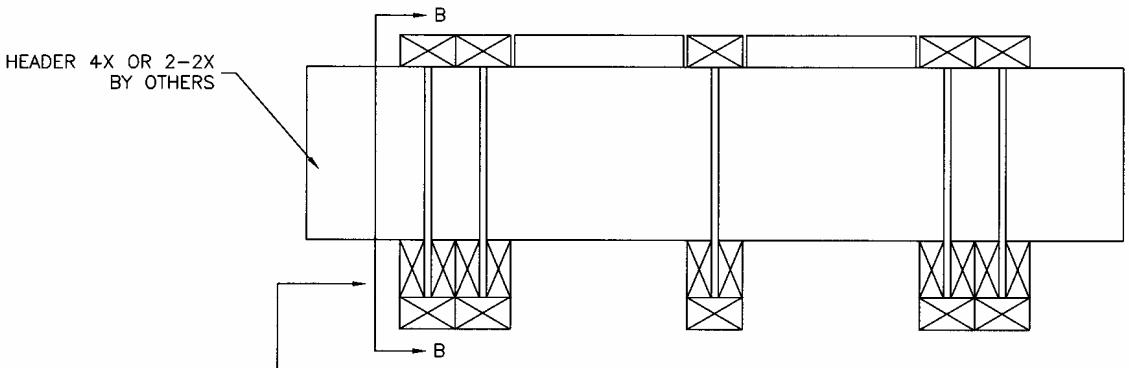




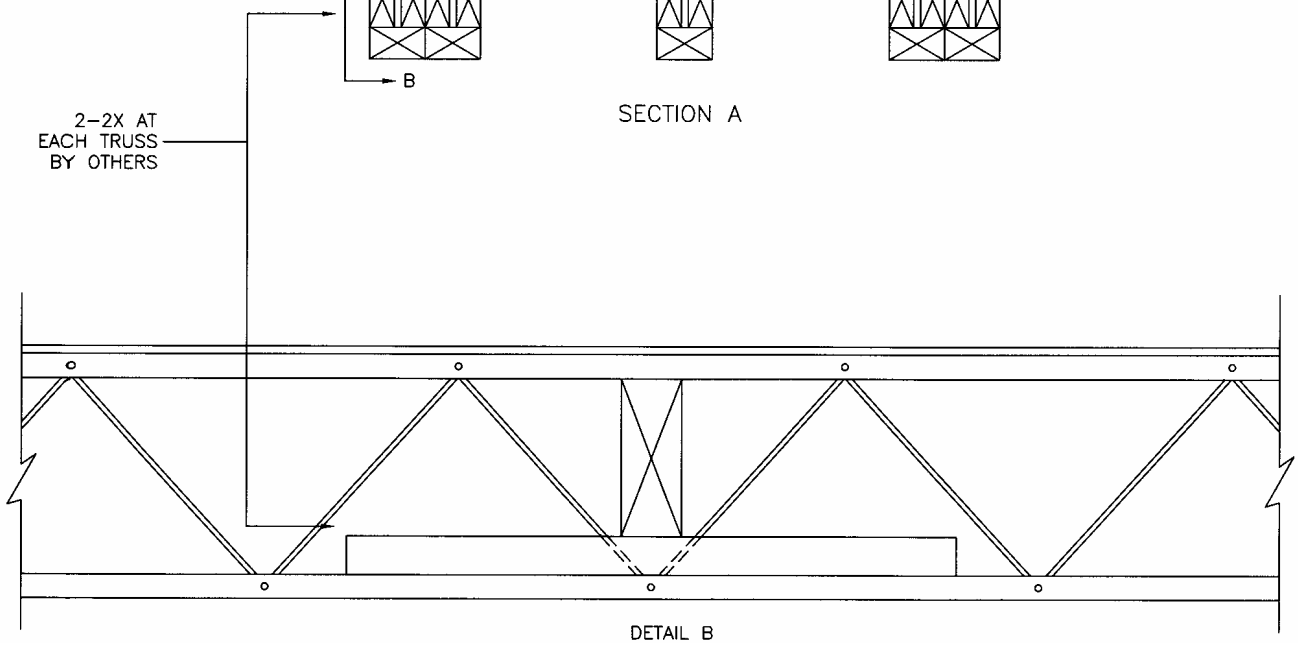
Header Opening



PLAN VIEW AT OPENING



SECTION A



DETAIL B

Approximate Duct Sizes

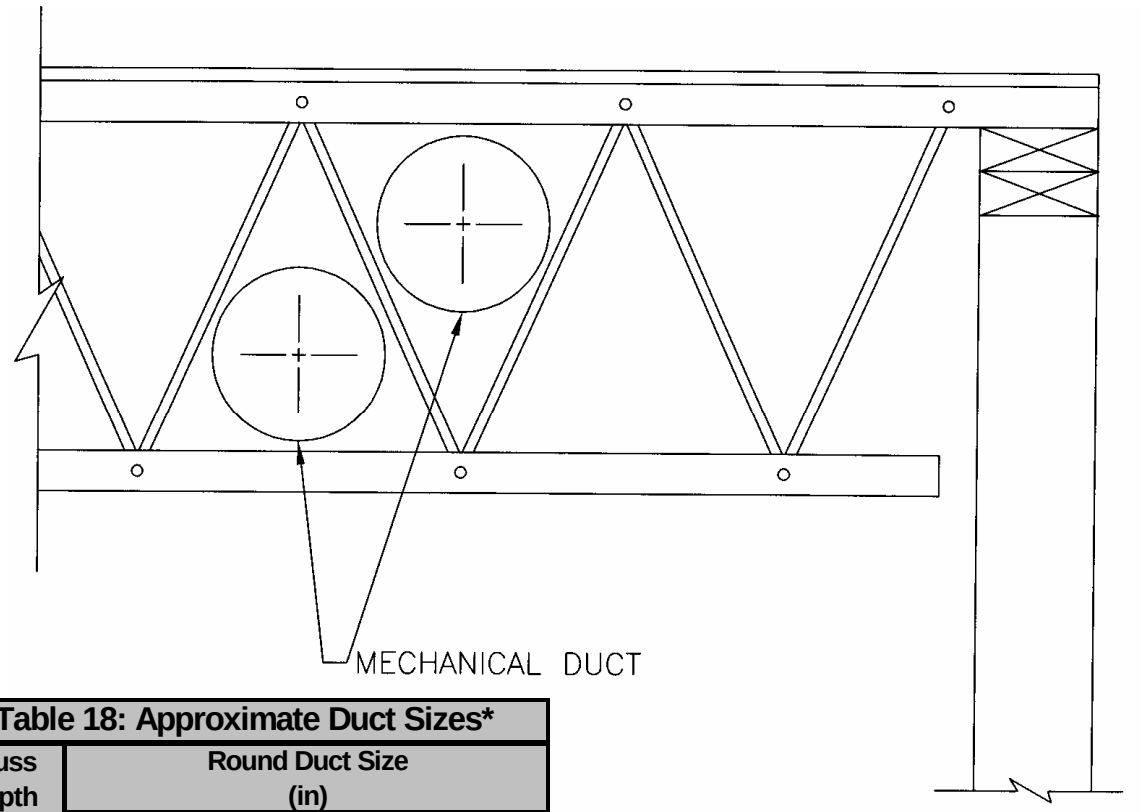
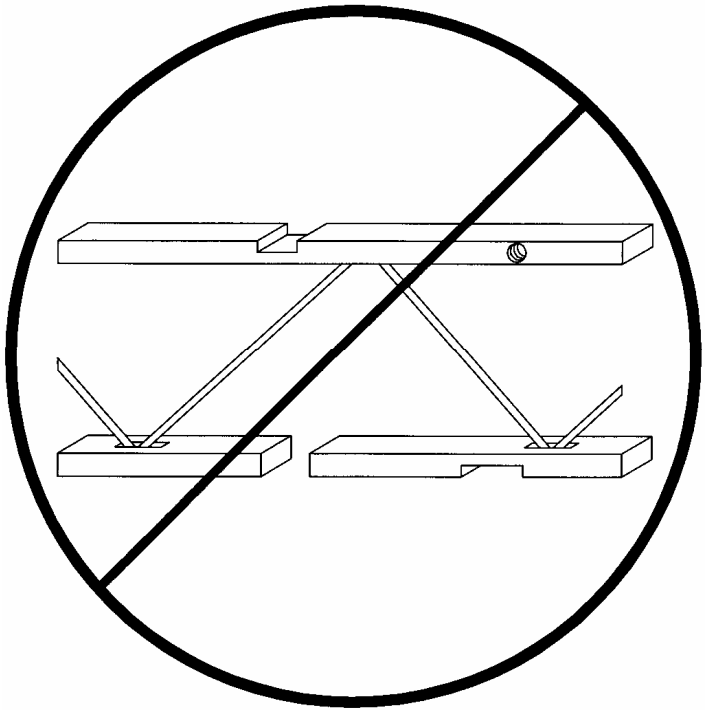


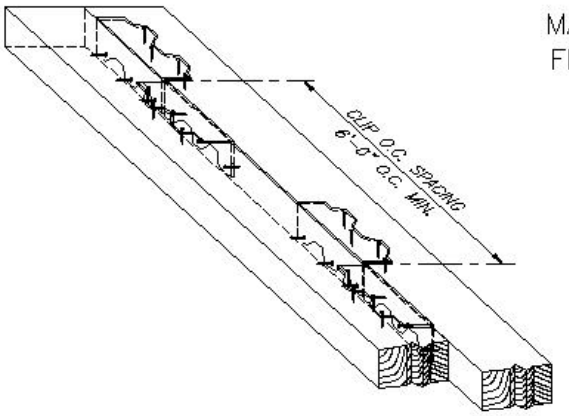
Table 18: Approximate Duct Sizes*

Truss Depth (in)	Round Duct Size (in)		
	SSW - 42 and 62	SSW-43	SSW-44
14	9	7	7
16	10	8	8
18	12	10	10
20	13	12	11
22	13	12	12
24	14	13	13
26	15	15	14
28	16	16	16
30	16	16	17
32	17	17	19
34	17	18	20
36	18	20	21
38	18	21	18
40	19	22	20
42	--	22	21
44	--	23	22
46	--	24	23
48	--	24	24
50	--	25	25

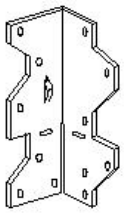
* Allowable duct sizes may vary, based upon design loads.



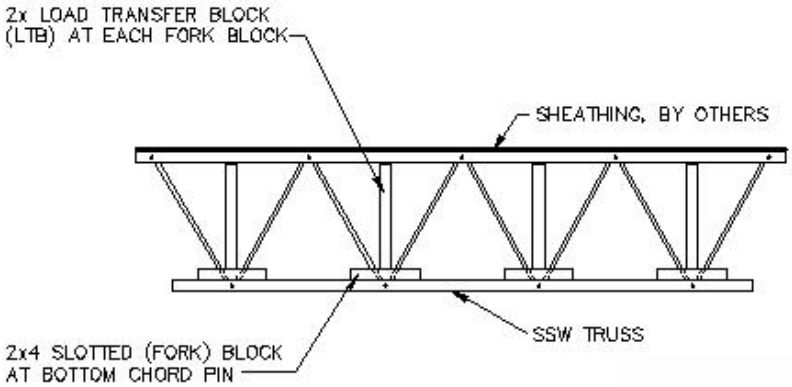
Multiple Truss Top Chord Assembly



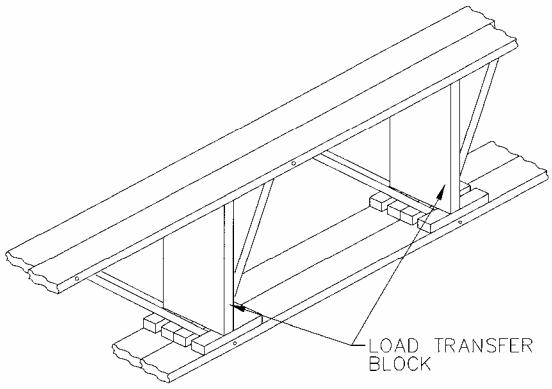
MATERIAL: 18 GAUGE.
FINISH: GALVANIZED.
AVAILABLE IN STAINLESS STEEL



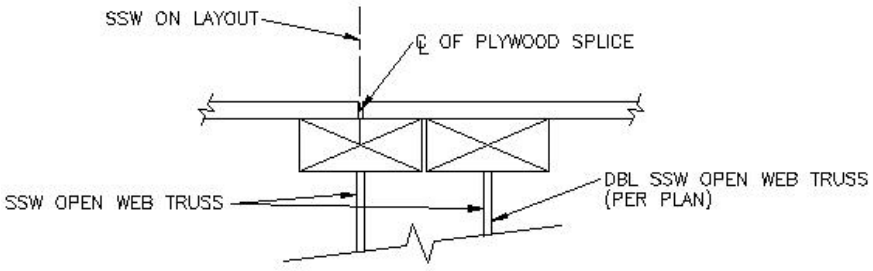
Framing Anchor
FA-6 KC Metals®
A35 Simpson StrongTie®
Use 12-8d x 1 1/2 nails.



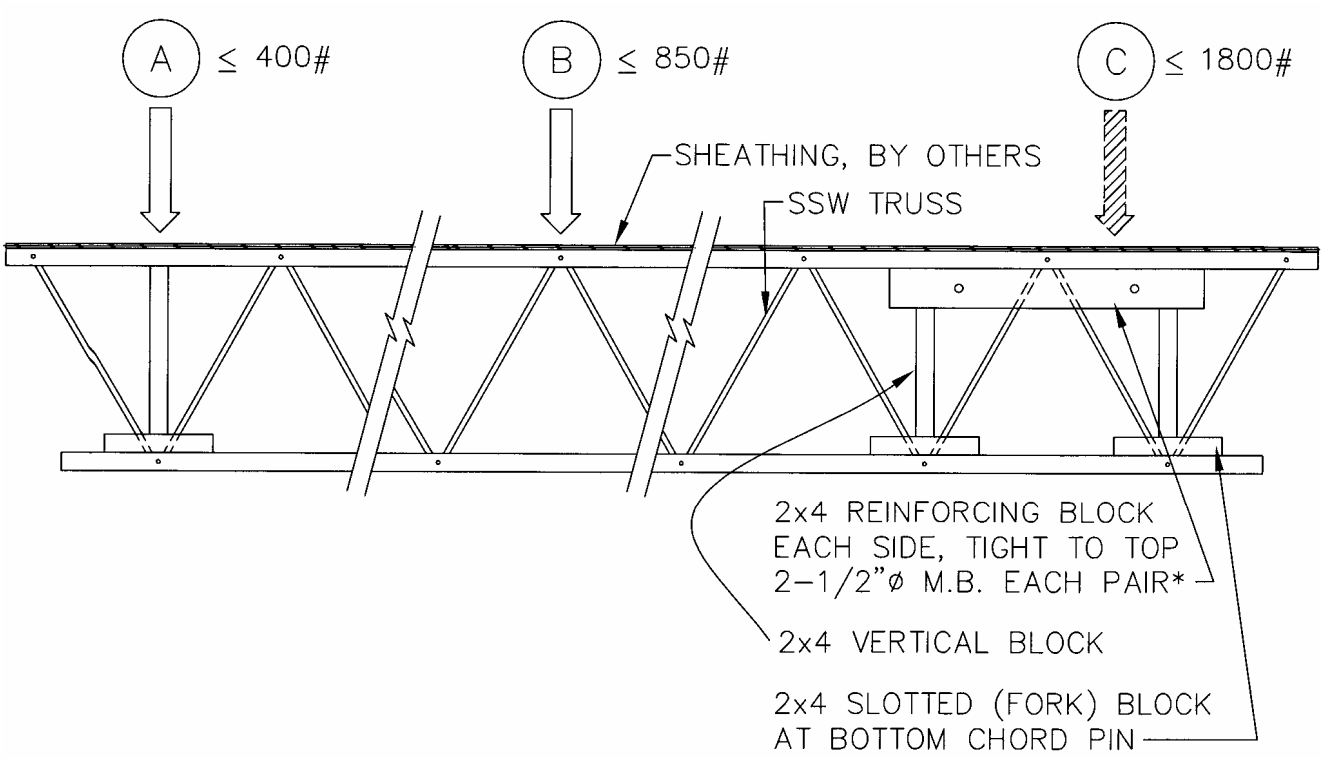
Load Transfer Block



Recommended Sheathing Splice



SSW Open Web Truss
Concentrated Load Options



CONDITION A

Note: LOAD > 100 LBS & < 400 LBS
NOT AT PANEL POINT (i.e. PIN)
(MUST BE INCLUDED IN DESIGN)

CONDITION B

Note: LOAD > 100 LBS & < 850 LBS
AT PANEL POINT (i.e. PIN)
(MUST BE INCLUDED IN DESIGN)

CONDITION C

Note: LOAD > 100 LBS & < 1800 LBS
NOT AT PANEL POINT (i.e. PIN)
(MUST BE INCLUDED IN DESIGN)

(BOLTS AND FRAMING BY OTHERS)

CONNECTIONS:
2-16d TOE NAILS OR FACE NAILS EACH: FOR SLOTTED BLOCK TO BOTTOM CHORD AND EACH END VERTICAL BLOCK.

*ALTERNATE 'C' CONNECTION:
IN LIEU OF 1/2" DIAMETER MACHINE BOLT: 1/4" DIAMETER DECK SCREWS OR 3/8" DIAMETERMACHINE BOLT OR CARRIAGE BOLT.

Erection Bracing

Erection bracing for Standard Structures Inc. SSW Trusses are required to prevent lateral buckling of the members until adequate stability is achieved. It is the responsibility of the installer (builder, building contractor, erector or erection contractor) to properly install and brace the SSW Trusses. The installer must exercise the same high degree of safety awareness as with any other structural material.

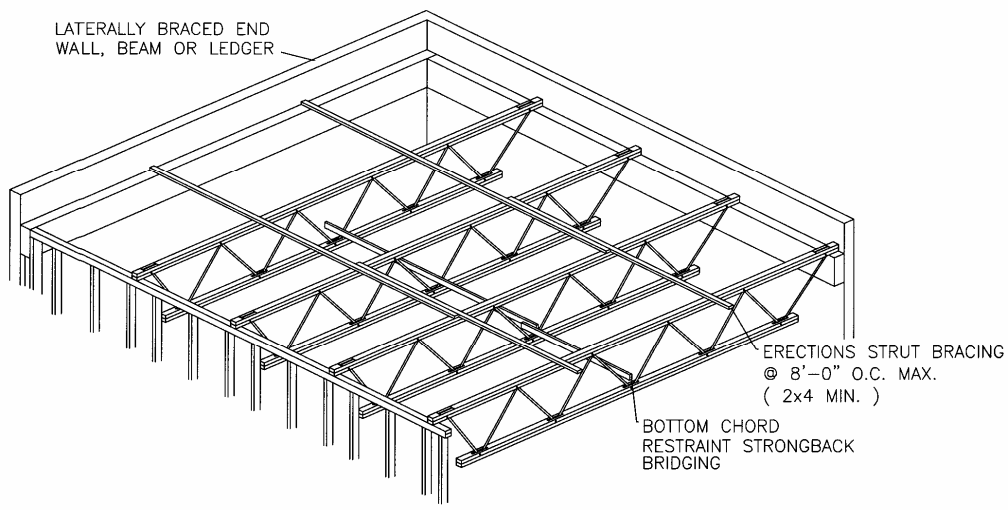
Standard Structures, Inc. does not intend that the recommendations made herein be interpreted as superior to the erection engineer's design specification for handling, installing and bracing SSW Trusses for a particular roof or floor.

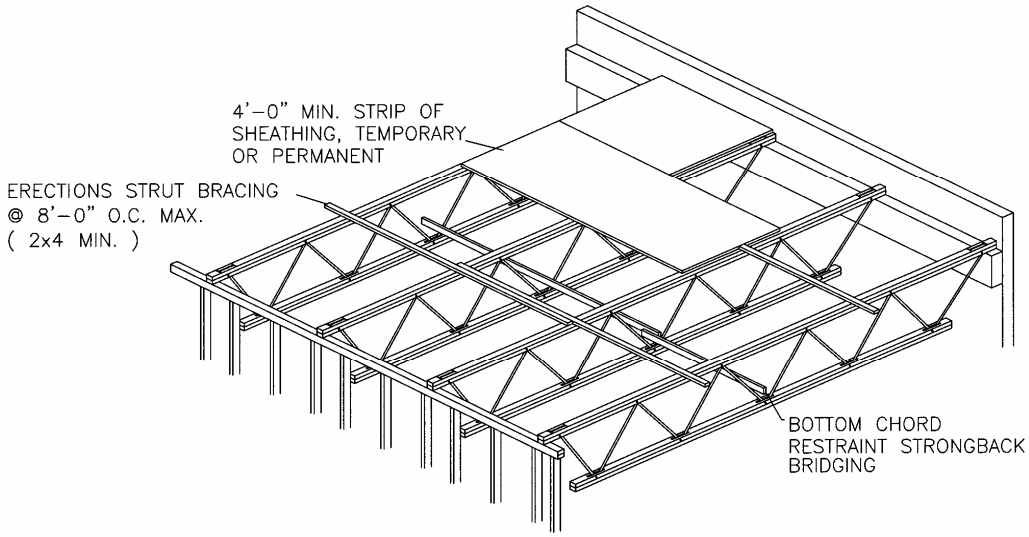
All SSW Trusses are unstable laterally until properly braced. The longer the span, the more care that is required. Adequate restraint is necessary at all stages of construction. Complete stability is not achieved until the bracing and sheathing is completely installed and properly fastened.

The following guidelines are recommended:

1. All blocking, hangers, rim board and rim joists at the end supports of the SSW Trusses must be completely installed and properly nailed.
2. Lateral strength must be established at the ends of the bay. This can be accomplished by utilizing an existing braced end wall or by temporary or permanent sheathing nailed to the first 4 feet of Truss at the end of the bay.
3. Temporary 2x4 (minimum) strut lines spaced at a maximum of 8'-0 on center, must be nailed to a braced end wall or the sheathed area mentioned in note 2 above and to each truss.
4. Sheathing must be completely nailed to each SSW Trusses before additional loads can be placed on the floor system.

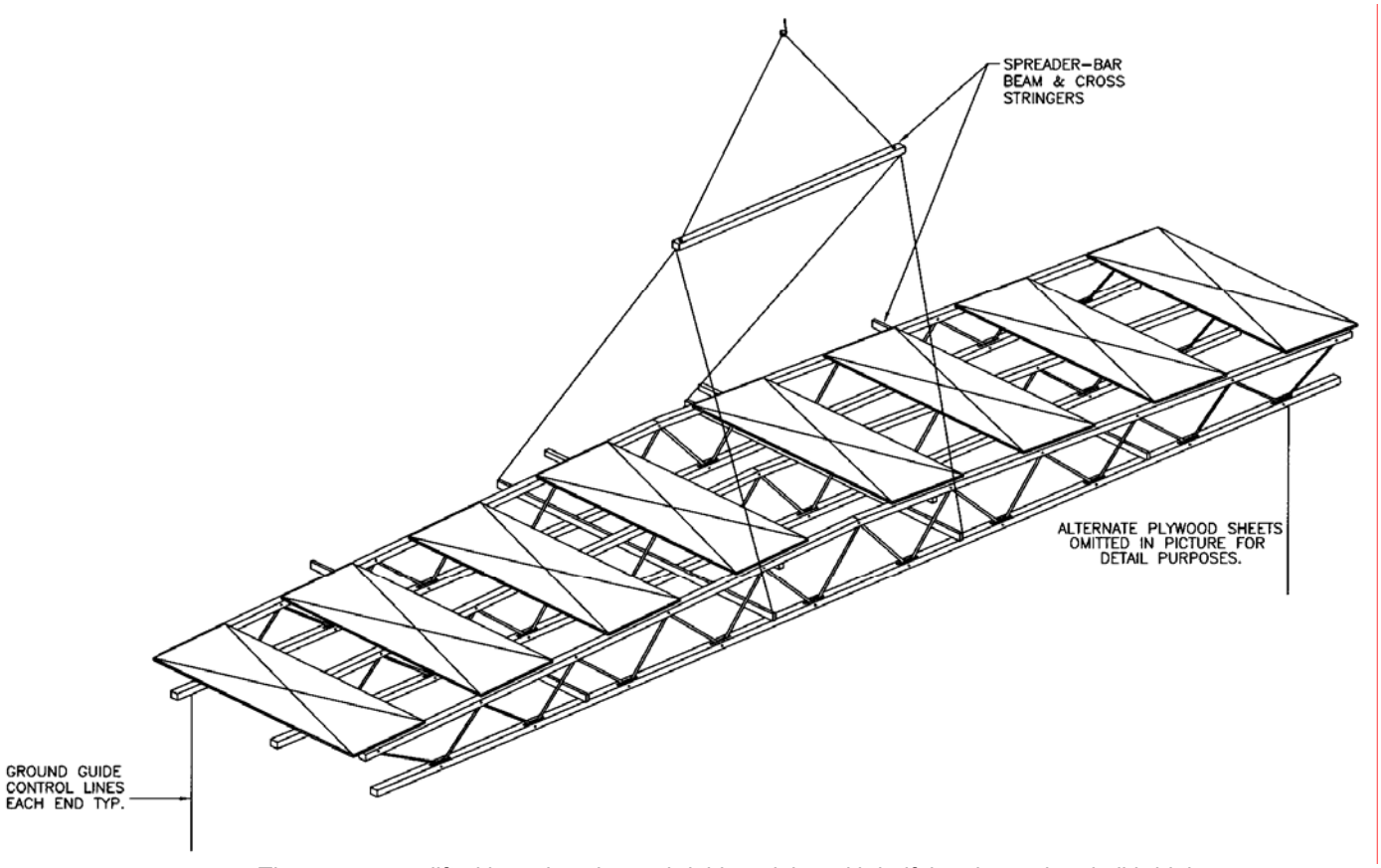
Erection bracing and procedures, as well as the safety of the workers, are the responsibility of the installer.





Long-Span Erection Bracing

1. Installation of long-span open web trusses requires special techniques, but does not require special crews to insure a safe installation.
2. Using modular installation procedures saves time and significantly reduces risk of breakage and / or injuries.
3. It is the responsibility of the installer to insure adequate bracing and bridging is utilized to prevent racking, and to use stringers under top chords as lateral lift points for the modules.



4. The trusses are lifted into place in semi-rigid modules with half the plywood and all bridging permanently attached to the trusses. Use of a spreader bar one third the length of the trusses (as shown), with guide ropes at each end, will prevent possible roll-over of trusses otherwise individually installed. One person is to be positioned at each guideline and at least two people at the insertion locations on the walls to accurately spot the correct layout points.
5. Alternate plywood sheets are left unattached (and in position) so they can be shifted to adjacent trusses / ledgers for staggered attachment per plans and fully nailed into place after being set on the walls. This job has bearing blocks on both ends so it will be difficult to position without wall clearance.
6. Safety of workmen and prevention of damage to the trusses or building is paramount and should be stressed continually during the erection process.
7. Manual jig built on the ground to construct the modules must be adequate to support the weight of the trusses, materials and bracing rigidly during construction. All five modules can be constructed and set aside until crane is positioned for the final installation, thus saving time and labor.
8. Do not allow workmen to ride module into the air or walk on modules until shear panels and wall bracing are fully installed. Placement and alignment of plywood panels is critical to a smooth installation. When done precisely, installation will proceed quickly.
9. Adjacent modules must have alternate sheets nailed to modules to allow shifting and meshing of plywood to next module. Plywood sheets must be staggered per structural plans.
10. Open-web trusses in lengths over fifty feet are unstable.

If you have questions, please contact Design Assistance at (877)980-SPEC (7732)

Joist, Trusses, and Beams shall be erected and installed per the California Code of Regulations, Title 8, Section 1709.

a) No building, structure, or part thereof, or any temporary support or scaffolding in connection therewith shall be loaded in excess of its designated capacity.

b) Bracing

1) Trusses and Beams shall be braced laterally and progressively during construction to prevent buckling or overturning.

2) The first member shall be plumbed, connected, braced and/or guyed against shifting before succeeding members are erected and secured to it.

3) The total system shall be adequately braced and stablized to the foundation, to suitable anchors buried in the ground, or by equivalent method(s).

4) Beams, trusses and other material being lifted and placed by cranes or other hoisting apparatus shall not be released by the crane or hoisting apparatus until the person detaching the load has verified that the load has been secured or supported to prevent inadvertent movement.

c) Wood Floor Construction

1) In the erection of a building having double wood floor construction, the rough flooring shall be completed as the building progresses, including the tier below the one on which floor joists are being installed.

2) For single wood floor or other flooring systems, the floor immediately the story where the floor joists are being installed shall be kept planked or decked over.

3) Erection Guide for Trusses and Beams Over 25 Feet Long. The employer shall provide an erection plan and procedure prepared by a civil engineer currently registered in California which shall be followed and kept available on the job site for inspection by the Division.

NOTE - Authority cited: Section 142.3, Labor Code. Reference: Section 142.3, Labor Code

http://www.dir.ca.gov/Title8/1709.html

Fire
One-Hour Fire Resistance

Assembly 1: Plywood or APA-rated Structural-use Panels (Exposure1), as required by the code, are installed over SSW Open Web Trusses, spaced a maximum of 24 inches (610 mm) on center. A base layer of 5/8 inch thick (15.9 mm), type X gypsum wallboard is applied at right angles to SSW Open Web Trusses with 1 1/4 inch (31.7 mm), type S drywall screws, spaced at 24 inches (610 mm) on center. A face layer of 5/8 inch thick (15.9 mm), type X gypsum wallboard, or type X veneer base, is applied at right angles to SSW Open Web Trusses and attached with 1 7/8 inch (48 mm), type S drywall screws, spaced at 12 inches (305 mm) on center at joints and intermediate trusses. Face-layer joints are offset 24 inches (610 mm) from base-layer joints. One-and-one-half-inch-long (38 mm), type G drywall screws are spaced at 12 inches (305 mm) on center and installed 2 inches (51 mm) back from either side of face-layer end joints. Using the same spacing as the screw, alternate fasteners may be 1 7/8 inch long (48 mm), 6d cooler, box or wallboard nails for the base layer, and 2 3/8 inch long (60 mm), 8d cooler, box or wallboard nails for the face layer. Type G drywall screws, 1 1/2 inches (38 mm) long, are still required at the end joints of the face layer.

SSW Open Web Trusses may be spaced a maximum of 48 inches (1219 mm) on center if nominal 2x stripping or resilient channels are attached at 24 inches (610 mm) on center at right angles to the SSW Open Web Trusses, and the two layers of gypsum wallboard are applied perpendicularly to the stripping or channels. The two layers of gypsum wallboard must be attached with screws to the stripping or channels as described for installation of the wallboard directly to the joists. The stripping or resilient channel must be designed to carry the double-layer gypsum wallboard load.

Assembly 2: SSW Open Web Trusses may be used in lieu of the trusses in the one-hour and two hour –fire-resistive assemblies described in ER-1352 or ER-1632.

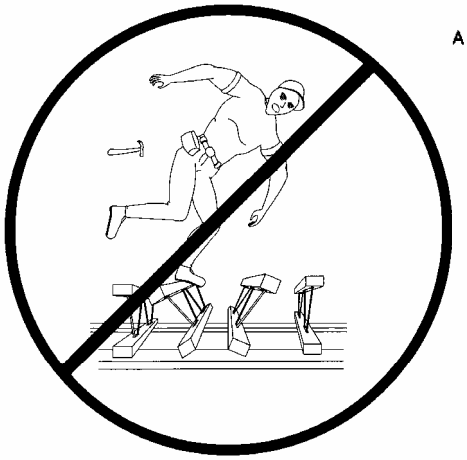
Storage and Handling

Storage

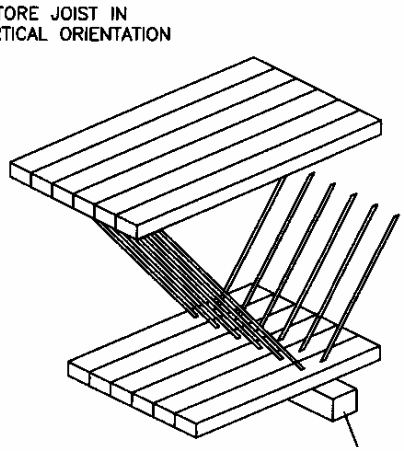
- While being stored at the job site, protect (cover) products from exposure to sun and water.
- Use stickers adequate to keep products above ground, out of mud and water. Place stickers approximately 10 feet on center maximum with 2 feet minimum cantilever.
- Bundles are to be stored on level ground.
- Handle SSW Truss in an upright position; never handle SSW Truss when in a flat orientation.
- Twisting of trusses or loads applied to the web members when horizontal will damage the SSW Trusses.
- Do not install damaged SSW Trusses.
- Do not open bundles until time of installation. Use care when handling individual SSW Trusses to prevent injury to handlers or damage by forklifts or cranes.
- Stacking of bundles is permitted if an adequate number of stickers are provided to prevent damage and normal safety precautions are followed.
- All glue used in SSW Trusses is waterproof; however, long exposure to water and sun will cause some deterioration and checking of wood.
- Do not use SSW Trusses as ramps or planks.

Handling

It is the responsibility of the customer to unload the SSW Truss from the truck and for all handling thereafter; the SSW Truss warranty only applies so long as the product is not damaged or altered in any way at the job site, and is installed in a workman like manner. SSW Trusses will be delivered to the job site in a bundle, banded together, for handling ease. To avoid damage, they should be kept in these bundles until they are ready to be installed into the structure.



DO NOT allow workers to walk on trusses or joists until adequately bra



LOCATE STIC
BELOW PANEL P

Protect (cover) products from extended exposure to sun and water.

Use stickers adequate to keep products above ground and out of mud and water. (Approximately 10’ o.c. with a sticker at first bottom chord panel point at each end)