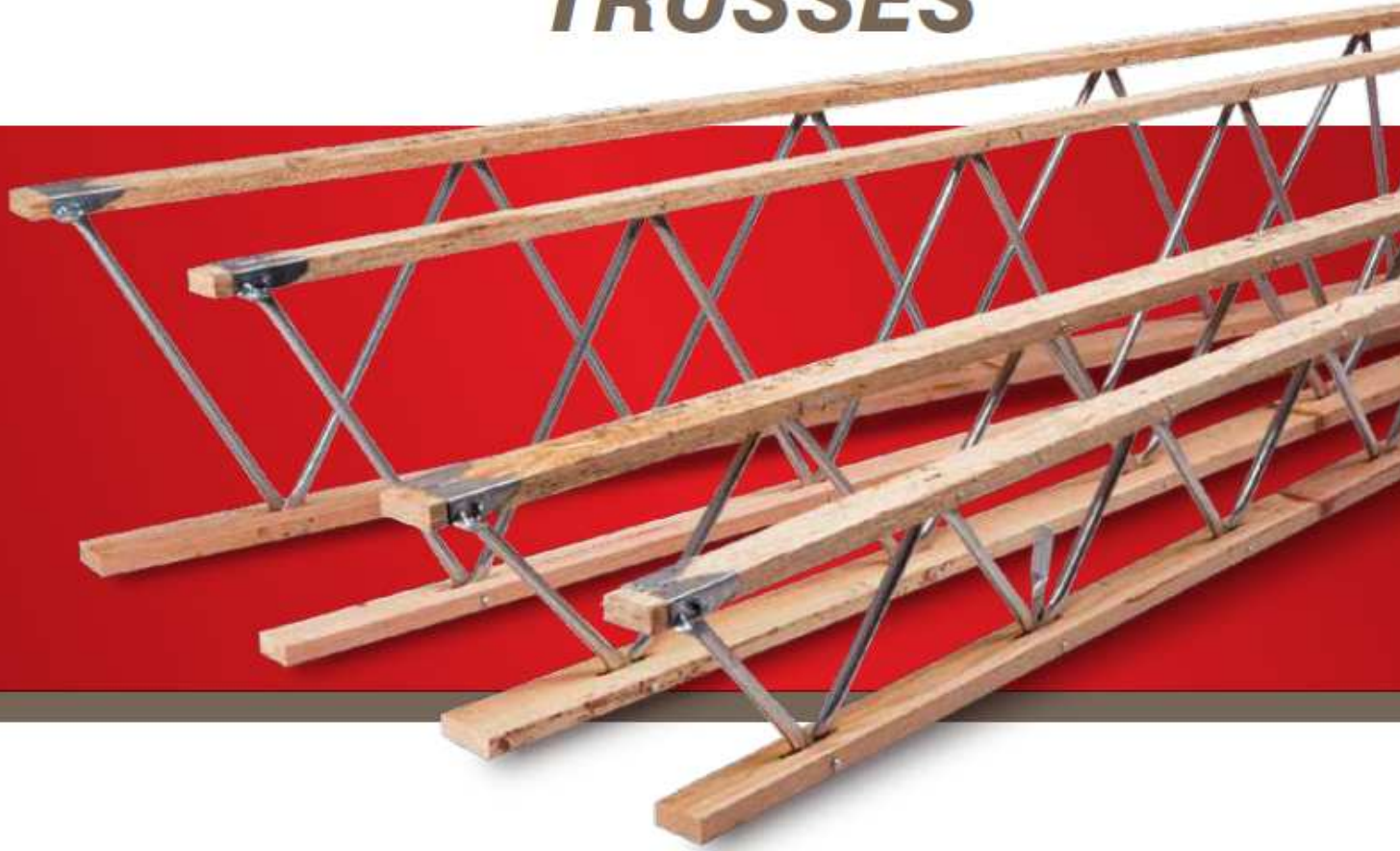




OPEN-WEB TRUSSES

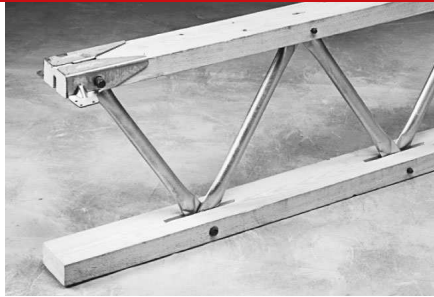


Including Red-L™, Red-W™, Red-S™,
Red-M™ and Red-H™ Trusses





Open-Web Truss Descriptions



Red-L™ and Red-W™ Trusses

Top & Bottom Chords:

- Red-L™ Trusses: 1½" x 3½" MSR lumber.
- Red-W™ Trusses: 1½" x 4¾" MSR lumber.

Webs:

1" and 1½" diameter tubular steel members varying in gauge and diameter according to requirements. Minimum yield of 45,000 psi.

Weight:

- Red-L™ Trusses: 3.75 to 4.25 lbs/ft
- Red-W™ Trusses: 4.5 to 5.25 lbs/ft

Depths:

Minimum depth at wall14"
 Maximum depth at wall50"
 Maximum pitched ridge depth 50"

Any depth between minimum and maximum is available.



Red-S™ Trusses

Top & Bottom Chords:

Double 1½" x 2.3" RedLam™ LVL.

Webs:

1", 1¼" and 1½" diameter tubular steel members varying in gauge and diameter according to requirements. Minimum yield of 45,000 psi.

Weight:

4.75 to 5.75 lbs/ft

Depths:

Minimum depth at wall16"
 Maximum depth at wall60"
 Maximum pitched ridge depth 84"

Any depth between minimum and maximum is available.



Red-M™ and Red-H™ Trusses

Top & Bottom Chords:

- Red-M™ Trusses: Double 1½" x 3½" MSR lumber.
- Red-H™ Trusses: Double 1½" x 5½" MSR lumber.

Webs:

Up to 2" diameter tubular steel members varying in gauge and diameter according to requirements. Minimum yield of 45,000 psi.

Weight:

- Red-M™ Trusses: 8 to 9 lbs/ft
- Red-H™ Trusses: 10 to 12 lbs/ft

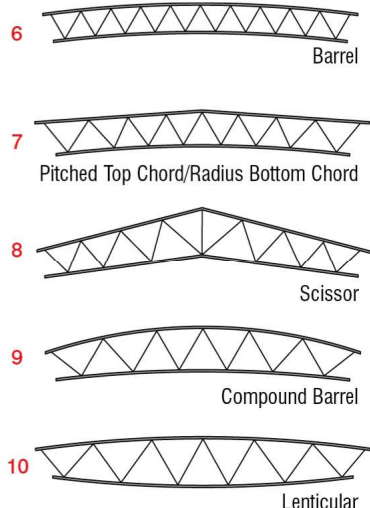
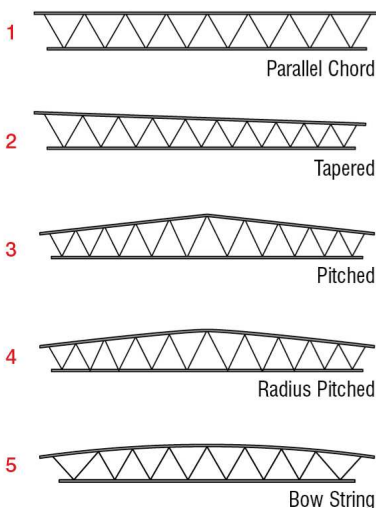
Depths:

Red-M™ Red-H™
 Minimum depth at wall. . . 20"24"
 Max. depth at wall. 60"72"
 Max. pitched ridge depth . .72"114"

Any depth between minimum and maximum is available.

Open-Web Trusses are intended for dry-use, untreated applications

Profiles



Tightest Curvature Available:

Red-L™ and Red-W™ Trusses 50' Radius
 Red-S™ Trusses. 200' Radius
 Red-M™ Trusses. Camber Only
 Red-H™ Trusses. Camber Only

Truss Series	Profiles Available									
	1	2	3	4	5	6	7	8	9	10
Red-L™ Red-W™ Red-S™	■	■	■	■	■	■	■	■	■	■
Red-M™ Red-H™	■	■	■					■		

■ Indicates that the profile is available.

In radius truss applications (Profiles 5, 6, 7, 9, and 10), allowable loads are reduced due to radial stresses. Contact your RedBuilt™ technical representative for job-specific possibilities.

Maximum top chord slope for Profile 4 (Radius Pitched) is ½:12 for Red-L™ and Red-W™ truss series, and ¾:12 for Red-S™ truss series.



Long Spans – Over 70 Feet:

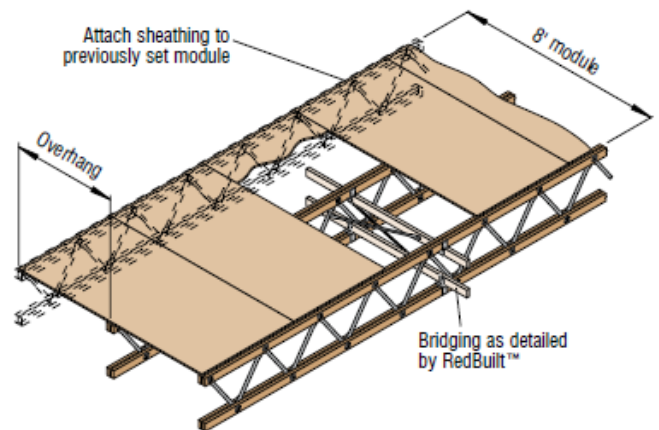
RedBuilt™ open-web trusses with spans beyond 70 feet are available only if all of the following additional requirements are satisfied. Review each of the following requirements with your RedBuilt™ representative prior to sizing and detailing our products in any application involving spans beyond 70 feet.

1. There must be a responsible architect and/or engineer of record throughout the design and construction period of the project.
2. The responsible architect or engineer must include the following statement in the job specifications: **“The trusses shall be installed in rigid modules at least 8 feet in width, accurately assembled in a jig with final sheathing permanently and totally attached while on the ground. Specified bridging shall be installed in each module as detailed.”**
3. Only structural panel sheathing will be permitted.
4. The purchaser-contractor must sign an addendum to our standard purchase agreement that contains the above requirements.
5. Prior to execution of the purchase agreement, the specifications and details of the job must be submitted to and reviewed by RedBuilt™ engineering along with a description of the installation procedures proposed to be used. Review will be solely with respect to the above requirements.

The following are sketches of possible rigid modules that would satisfy the condition specified in requirement 2.

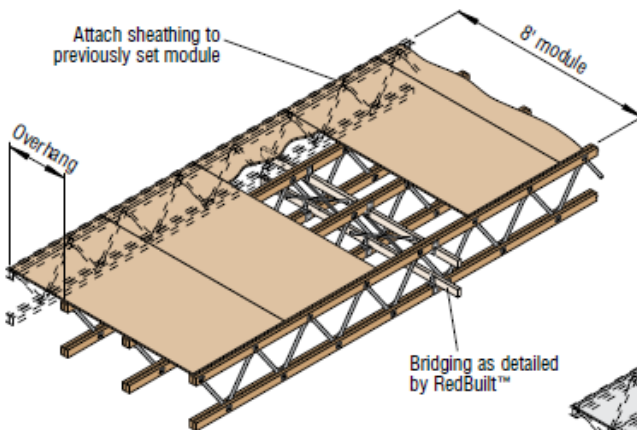


Module with Sheathing Overhang— Trusses at 48" On-center

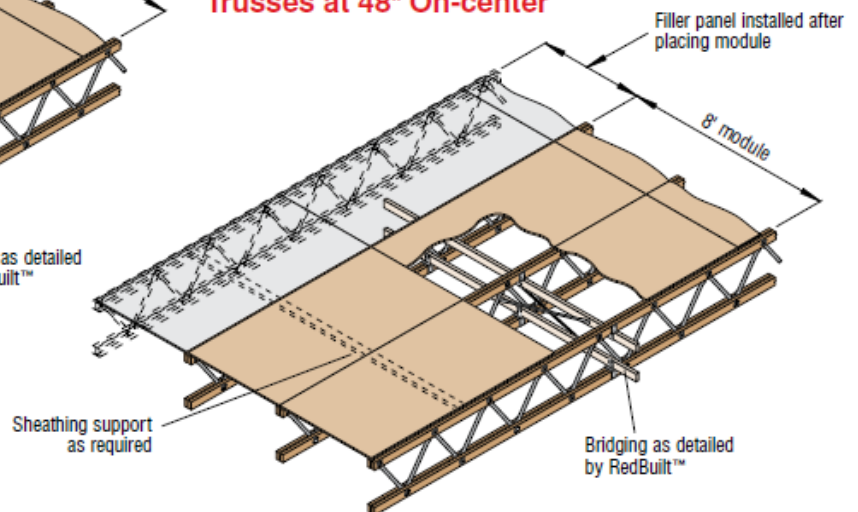


A cap may be required over double chord open-web trusses where high shear loads are encountered.

Module with Sheathing Overhang— Trusses at 32" On-center



Module with Sheathing Filler Panel— Trusses at 48" On-center





Red-L™ Truss ■ Parallel Chord

Depth	14"		16"		18"		20"		22"		24"		26"		
	Unfactored Live Deflection L/600	Factored Total Resistance	Unfactored Live Deflection L/600	Factored Total Resistance	Unfactored Live Deflection L/600	Factored Total Resistance	Unfactored Live Deflection L/600	Factored Total Resistance	Unfactored Live Deflection L/600	Factored Total Resistance	Unfactored Live Deflection L/600	Factored Total Resistance	Unfactored Live Deflection L/600	Factored Total Resistance	
14'-0"	199	463	254	521	292	594	347	601	370	539	*	490	*	489	
16'-0"	151	421	184	483	228	531	267	539	305	528	332	528	*	479	
18'-0"	109	347	138	317	172	371	212	406	248	478	271	514	305	478	
20'-0"	84	235	109	257	132	288	157	329	190	385	226	442	248	444	
22'-0"	66	238	84	225	107	253	128	283	150	313	180	349	203	426	
24'-0"	52	182	69	199	85	224	104	250	124	272	144	292	166	319	
26'-0"			55	176	69	193	83	217	99	235	116	263	137	286	
28'-0"					56	176	70	197	83	217	97	238	114	261	
30'-0"							57	182	69	201	83	218	97	238	
32'-0"									59	183	69	200	80	219	
34'-0"											59	182	69	201	
36'-0"											51	167	58	176	
38'-0"														50	165
40'-0"															
42'-0"															

Depth	28"		30"		32"		34"		36"		38"		40"	
	Unfactored Live Deflection L/600	Factored Total Resistance	Unfactored Live Deflection L/600	Factored Total Resistance	Unfactored Live Deflection L/600	Factored Total Resistance	Unfactored Live Deflection L/600	Factored Total Resistance	Unfactored Live Deflection L/600	Factored Total Resistance	Unfactored Live Deflection L/600	Factored Total Resistance	Unfactored Live Deflection L/600	Factored Total Resistance
20'-0"	258	421	282	410	*	385	*	383	*	385	*	385	*	353
22'-0"	215	426	244	383	252	371	*	375	*	364	*	350	*	353
24'-0"	184	344	200	401	215	389	234	353	250	394	*	344	*	339
26'-0"	156	310	169	375	185	374	204	365	217	354	233	349	*	332
28'-0"	131	271	147	294	157	349	170	349	188	349	201	310	215	326
30'-0"	111	251	123	271	133	317	149	326	162	326	177	321	185	311
32'-0"	93	233	101	250	116	264	127	299	141	306	152	304	162	289
34'-0"	79	215	88	232	99	249	110	265	121	288	133	288	143	263
36'-0"	67	194	76	214	85	225	94	239	106	254	115	272	125	250
38'-0"	58	174	64	192	74	206	82	218	92	233	101	247	109	239
40'-0"	50	156	57	174	64	186	72	199	81	211	88	221	95	217
42'-0"			50	156	56	164	63	175	70	188	78	200	84	200
44'-0"					50	153	56	164	62	172	68	179	74	189
46'-0"									55	160	60	168	66	175
48'-0"											54	151	59	161

- Values shown are for demonstration of maximum capacities based on the following assumptions:
 - Limit States Design per CAN/CSA-O86-01.
 - Simple span, uniformly loaded conditions.
 - 2000 lb concentrated load analysis.
 - No system factor increase (loads are applicable to trusses spaced more than 24" o.c.).
 - Deflection limited to L/240 under total load.
 - No composite stiffness. Deflection-limited values may be increased with a glue-nailed floor system.
 - Top chord no-notch bearing clips with 3½" bearing. Higher values may be possible with other types of bearing clips.
- Span indicates distance from inside face to inside face of bearing.
- Straight-line interpolation may be made between depths and spans.
- Where deflection-limited load is not shown (*), total load controls.
- To size a truss, check both the unfactored live load in the deflection column and the factored total load in the resistance column.
- **Vibration control**
 - Cells with **REGULAR** font: Truss MEETS Canadian vibration criteria with minimum ¾" sheathing (24 o.c. span rating), glued and nailed, maximum spacing of 24" o.c.
 - Cells with **BOLD ITALIC** font: Truss DOES NOT MEET Canadian vibration criteria with ¾" sheathing (24 o.c. span rating), glued and nailed, spacing of 24" o.c.
 - Thicker sheathing, closer spacing, or attached ceiling may improve vibration performance.
- For other conditions or profiles, contact a RedBuilt™ representative. Visit www.RedBuilt.com to find your local representative.

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Red-W™ Truss ■ Parallel Chord

Depth	14"		16"		18"		20"		22"		24"		26"	
	Unfactored Live Deflection L/600	Factored Total Resistance	Unfactored Live Deflection L/600	Factored Total Resistance	Unfactored Live Deflection L/600	Factored Total Resistance	Unfactored Live Deflection L/600	Factored Total Resistance	Unfactored Live Deflection L/600	Factored Total Resistance	Unfactored Live Deflection L/600	Factored Total Resistance	Unfactored Live Deflection L/600	Factored Total Resistance
14'-0"	247	622	321	654	381	681	398	682	439	674	*	611	*	614
16'-0"	188	506	230	576	293	611	333	625	362	607	403	619	434	607
18'-0"	140	401	186	489	225	536	262	567	304	572	332	568	367	588
20'-0"	108	349	142	410	176	461	205	490	237	513	270	517	297	522
22'-0"	86	292	110	333	136	381	162	426	185	449	217	467	239	474
24'-0"	66	236	87	283	106	325	131	363	154	400	175	414	193	429
26'-0"	53	183	72	235	88	268	107	300	125	333	143	365	163	386
28'-0"			56	197	73	225	89	256	104	288	118	317	136	340
30'-0"					59	203	74	228	87	250	101	274	114	300
32'-0"					50	172	60	196	74	218	86	239	97	264
34'-0"							52	181	63	197	73	215	83	233
36'-0"									54	175	63	192	72	207
38'-0"											54	171	62	190
40'-0"													55	174
42'-0"														

Depth	28"		30"		32"		34"		36"		38"		40"	
	Unfactored Live Deflection L/600	Factored Total Resistance	Unfactored Live Deflection L/600	Factored Total Resistance	Unfactored Live Deflection L/600	Factored Total Resistance	Unfactored Live Deflection L/600	Factored Total Resistance	Unfactored Live Deflection L/600	Factored Total Resistance	Unfactored Live Deflection L/600	Factored Total Resistance	Unfactored Live Deflection L/600	Factored Total Resistance
20'-0"	327	514	319	514	*	482	*	479	*	449	*	450	*	410
22'-0"	255	475	278	478	295	472	327	471	*	453	*	431	*	372
24'-0"	211	435	237	433	252	433	271	438	296	424	*	413	*	382
26'-0"	181	393	198	399	216	401	238	403	254	392	*	379	*	358
28'-0"	151	363	168	369	188	371	205	369	225	363	239	356	*	336
30'-0"	127	325	143	335	159	346	177	344	196	335	204	326	213	311
32'-0"	108	285	122	307	136	322	154	314	168	311	181	310	185	289
34'-0"	94	258	104	276	118	300	131	297	145	293	157	288	165	263
36'-0"	82	225	91	244	101	265	115	281	127	281	137	271	146	250
38'-0"	72	206	80	224	90	240	99	256	111	264	121	251	127	239
40'-0"	62	188	70	203	78	213	87	229	97	243	106	240	115	226
42'-0"	55	171	62	183	69	189	76	207	86	218	95	221	101	218
44'-0"			55	163	61	174	68	190	75	203	84	207	91	208
46'-0"					54	163	60	171	67	181	74	196	81	192
48'-0"							54	158	60	168	67	178	72	182

- Values shown are for demonstration of maximum capacities based on the following assumptions:
 - Limit States Design per CAN/CSA-O86-01.
 - Simple span, uniformly loaded conditions.
 - 2000 lb concentrated load analysis.
 - No system factor increase (loads are applicable to trusses spaced more than 24" o.c.).
 - Deflection limited to L/240 under total load.
 - No composite stiffness. Deflection-limited values may be increased with a glue-nailed floor system.
 - Top chord no-notch bearing clips with 3½" bearing. Higher values may be possible with other types of bearing clips.
- Span indicates distance from inside face to inside face of bearing.
- Straight-line interpolation may be made between depths and spans.
- Where deflection-limited load is not shown (*), total load controls.
- To size a truss, check both the unfactored live load in the deflection column and the factored total load in the resistance column.
- **Vibration control**
 - Cells with **REGULAR** font: Truss MEETS Canadian vibration criteria with minimum ¾" sheathing (24 o.c. span rating), glued and nailed, maximum spacing of 24" o.c.
 - Cells with **BOLD ITALIC** font: Truss DOES NOT MEET Canadian vibration criteria with ¾" sheathing (24 o.c. span rating), glued and nailed, spacing of 24" o.c.
 - Thicker sheathing, closer spacing, or attached ceiling may improve vibration performance.
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Red-S™ Truss ■ Parallel Chord

Depth	16"		18"		20"		22"		24"		26"		28"	
	Unfactored Live Deflection L/600	Factored Total Resistance	Unfactored Live Deflection L/600	Factored Total Resistance	Unfactored Live Deflection L/600	Factored Total Resistance	Unfactored Live Deflection L/600	Factored Total Resistance	Unfactored Live Deflection L/600	Factored Total Resistance	Unfactored Live Deflection L/600	Factored Total Resistance	Unfactored Live Deflection L/600	Factored Total Resistance
16'-0"	257	631	335	721	403	749	486	760	509	740	*	740	*	664
18'-0"	187	513	243	599	298	651	354	697	425	703	438	672	*	647
20'-0"	138	442	177	506	222	569	269	599	319	631	366	635	385	617
22'-0"	106	364	134	415	168	439	204	529	247	563	288	575	326	575
24'-0"	83	286	106	351	131	390	162	440	191	490	229	525	257	529
26'-0"	65	228	84	293	104	339	129	379	152	417	180	451	211	490
28'-0"	53	182	68	233	85	292	103	325	125	360	146	390	172	426
30'-0"			56	193	70	242	85	286	101	314	120	343	140	372
32'-0"					58	201	71	246	85	274	100	299	116	328
34'-0"							59	206	71	243	84	265	97	286
36'-0"							50	174	60	210	71	239	83	258
38'-0"									51	178	61	210	71	228
40'-0"											52	181	61	206
42'-0"													53	185
44'-0"														

Depth	30"		32"		34"		36"		38"		40"		42"	
	Unfactored Live Deflection L/600	Factored Total Resistance	Unfactored Live Deflection L/600	Factored Total Resistance	Unfactored Live Deflection L/600	Factored Total Resistance	Unfactored Live Deflection L/600	Factored Total Resistance	Unfactored Live Deflection L/600	Factored Total Resistance	Unfactored Live Deflection L/600	Factored Total Resistance	Unfactored Live Deflection L/600	Factored Total Resistance
22'-0"	375	578	377	597	*	546	*	524	*	503	*	488	*	483
24'-0"	299	532	327	528	340	538	360	510	*	504	*	465	*	450
26'-0"	242	493	268	493	285	499	304	499	337	522	*	469	*	467
28'-0"	197	458	223	458	246	460	261	468	285	465	306	457	*	446
30'-0"	161	397	184	425	208	432	228	432	240	435	269	435	276	438
32'-0"	134	353	153	374	174	403	191	406	205	406	231	407	246	407
34'-0"	114	313	129	335	147	354	164	376	180	378	191	375	213	383
36'-0"	96	274	108	296	122	314	138	336	151	358	168	361	181	363
38'-0"	82	246	93	268	105	286	117	304	132	319	144	336	156	344
40'-0"	71	221	81	238	91	256	102	272	113	288	126	307	137	321
42'-0"	61	200	70	214	80	232	88	247	98	261	108	275	118	290
44'-0"	54	185	61	199	69	211	78	228	86	238	94	254	104	265
46'-0"			53	182	61	194	67	206	75	218	83	229	91	243
48'-0"					53	178	60	189	67	203	74	210	81	225
50'-0"							53	171	59	186	66	197	73	207

- Values shown are for demonstration of maximum capacities based on the following assumptions:
 - Limit States Design per CAN/CSA-O86-01.
 - Simple span, uniformly loaded conditions.
 - 2000 lb concentrated load analysis.
 - No system factor increase (loads are applicable to trusses spaced more than 24" o.c.).
 - Deflection limited to L/240 under total load.
 - No composite stiffness. Deflection-limited values may be increased with a glue-nailed floor system.
 - Top chord no-notch bearing clips with 3½" bearing. Higher values may be possible with other types of bearing clips.
- Span indicates distance from inside face to inside face of bearing.
- Straight-line interpolation may be made between depths and spans.
- Where deflection-limited load is not shown (*), total load controls.
- To size a truss, check both the unfactored live load in the deflection column and the factored total load in the resistance column.
- **Vibration control**
 - Cells with **REGULAR** font: Truss MEETS Canadian vibration criteria with minimum ¾" sheathing (24 o.c. span rating), glued and nailed, maximum spacing of 24" o.c.
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Red-M™ Truss ■ Parallel Chord

Depth	20"		22"		24"		26"		28"		30"		32"	
	Unfactored Live Deflection L/600	Factored Total Resistance	Unfactored Live Deflection L/600	Factored Total Resistance	Unfactored Live Deflection L/600	Factored Total Resistance	Unfactored Live Deflection L/600	Factored Total Resistance	Unfactored Live Deflection L/600	Factored Total Resistance	Unfactored Live Deflection L/600	Factored Total Resistance	Unfactored Live Deflection L/600	Factored Total Resistance
24'-0"	186	432	226	486	272	499	315	499	*	499	*	496	*	494
26'-0"	147	371	181	417	217	461	257	461	298	461	*	461	*	461
28'-0"	120	319	147	360	177	396	208	428	246	429	281	429	*	429
30'-0"	98	278	121	314	146	346	172	379	199	401	228	401	258	401
32'-0"	82	243	101	271	121	306	143	333	166	363	190	376	217	376
34'-0"	68	217	84	244	102	268	122	296	141	324	161	351	184	354
36'-0"	58	194	72	217	87	240	103	263	120	288	137	310	156	332
38'-0"			61	196	75	215	88	239	103	253	118	274	135	294
40'-0"			52	176	64	194	76	215	89	229	102	246	116	272
42'-0"					55	178	66	194	77	211	89	228	102	247
44'-0"							58	178	68	192	78	208	89	225
46'-0"							50	164	60	178	69	189	79	208
48'-0"									52	164	61	175	70	188
50'-0"											54	160	62	174
52'-0"													55	163

Depth	34"		36"		38"		40"		42"		44"		46"	
	Unfactored Live Deflection L/600	Factored Total Resistance	Unfactored Live Deflection L/600	Factored Total Resistance	Unfactored Live Deflection L/600	Factored Total Resistance	Unfactored Live Deflection L/600	Factored Total Resistance	Unfactored Live Deflection L/600	Factored Total Resistance	Unfactored Live Deflection L/600	Factored Total Resistance	Unfactored Live Deflection L/600	Factored Total Resistance
30'-0"	*	401	*	401	*	401	*	401	*	399	*	401	*	399
32'-0"	243	376	270	376	*	376	*	376	*	376	*	376	*	376
34'-0"	207	353	230	353	253	353	*	351	*	354	*	354	*	354
36'-0"	176	336	199	332	221	335	*	336	*	336	*	336	*	336
38'-0"	151	318	171	317	190	317	209	318	*	318	*	318	*	318
40'-0"	131	294	146	303	164	301	180	300	196	303	213	303	*	303
42'-0"	115	265	128	282	142	283	158	288	173	286	188	288	202	288
44'-0"	100	239	112	257	124	272	137	275	153	275	167	275	180	275
46'-0"	89	221	99	235	110	253	121	260	133	263	148	264	161	263
48'-0"	78	201	88	217	98	229	108	244	118	251	128	253	141	253
50'-0"	70	185	78	200	87	211	96	224	105	236	114	243	124	243
52'-0"	62	172	70	188	77	197	86	208	94	217	103	228	112	233
54'-0"	56	161	63	172	70	181	77	193	85	204	92	214	101	224
56'-0"	50	150	56	161	63	169	70	179	77	189	84	199	90	207
58'-0"			51	146	57	157	63	168	69	178	76	188	82	196

- Values shown are for demonstration of maximum capacities based on the following assumptions:
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 - Simple span, uniformly loaded conditions.
 - 2000 lb concentrated load analysis.
 - No system factor increase (loads are applicable to trusses spaced more than 24" o.c.).
 - Deflection limited to L/240 under total load.
 - No composite stiffness. Deflection-limited values may be increased with a glue-nailed floor system.
 - Top chord no-notch bearing clips with 3½" bearing. Higher values may be possible with other types of bearing clips.
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- Where deflection-limited load is not shown (*), total load controls.
- To size a truss, check both the unfactored live load in the deflection column and the factored total load in the resistance column.
- **Vibration control**
 - Cells with **REGULAR** font: Truss MEETS Canadian vibration criteria with minimum ¾" sheathing (24 o.c. span rating), glued and nailed, maximum spacing of 24" o.c.
 - Cells with **BOLD ITALIC** font: Truss DOES NOT MEET Canadian vibration criteria with ¾" sheathing (24 o.c. span rating), glued and nailed, spacing of 24" o.c.
 - Thicker sheathing, closer spacing, or attached ceiling may improve vibration performance.
- For other conditions or profiles, contact a RedBuilt™ representative. Visit www.RedBuilt.com to find your local representative.

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Red-H™ Truss ■ Parallel Chord

Depth	24"		27"		30"		33"		36"		39"		42"	
	Unfactored Live Deflection L/600	Factored Total Resistance	Unfactored Live Deflection L/600	Factored Total Resistance	Unfactored Live Deflection L/600	Factored Total Resistance	Unfactored Live Deflection L/600	Factored Total Resistance	Unfactored Live Deflection L/600	Factored Total Resistance	Unfactored Live Deflection L/600	Factored Total Resistance	Unfactored Live Deflection L/600	Factored Total Resistance
30'-0"	188	479	245	563	308	642	374	685	433	693	*	663	*	665
32'-0"	156	426	205	493	255	568	314	636	371	642	428	664	472	676
34'-0"	132	375	173	438	216	501	267	563	318	622	366	621	416	628
36'-0"	111	335	147	393	186	449	227	507	273	561	317	590	365	586
38'-0"	95	303	126	351	157	400	195	454	235	496	276	554	317	572
40'-0"	83	278	109	319	137	364	170	411	201	450	240	500	276	544
42'-0"	72	249	94	289	119	331	147	372	177	408	210	457	241	494
44'-0"	62	217	82	263	106	300	129	333	156	378	184	414	214	450
46'-0"	55	189	72	242	93	272	114	311	137	343	163	376	189	413
48'-0"			64	224	82	251	102	285	121	318	145	349	167	381
50'-0"			57	197	73	232	91	261	110	289	129	321	149	350
52'-0"			51	175	65	215	81	243	97	264	115	297	134	324
54'-0"					58	200	72	222	88	250	104	274	121	294
56'-0"					52	179	65	206	79	231	94	250	109	278
58'-0"							58	192	71	217	85	233	99	258

Depth	45"		48"		51"		54"		57"		60"		63"	
	Unfactored Live Deflection L/600	Factored Total Resistance	Unfactored Live Deflection L/600	Factored Total Resistance	Unfactored Live Deflection L/600	Factored Total Resistance	Unfactored Live Deflection L/600	Factored Total Resistance	Unfactored Live Deflection L/600	Factored Total Resistance	Unfactored Live Deflection L/600	Factored Total Resistance	Unfactored Live Deflection L/600	Factored Total Resistance
36'-0"	406	599	*	613	*	574	*	578	*	535	*	533	*	494
38'-0"	351	581	396	576	*	581	*	549	*	525	*	488	*	478
40'-0"	315	554	352	550	387	551	*	557	*	525	*	500	*	494
42'-0"	270	519	311	515	343	531	372	526	*	508	*	496	*	497
44'-0"	242	488	275	500	306	500	333	508	359	508	*	490	*	472
46'-0"	216	450	240	478	273	483	301	475	326	479	*	481	*	471
48'-0"	192	414	216	442	240	460	267	461	292	468	315	465	323	468
50'-0"	173	372	194	410	216	440	240	446	260	447	284	451	310	442
52'-0"	154	353	174	378	194	403	215	426	238	429	256	431	270	432
54'-0"	139	328	158	344	176	376	194	401	214	411	236	413	254	411
56'-0"	126	304	143	328	160	351	177	375	195	396	214	400	230	393
58'-0"	113	283	129	304	145	328	161	350	177	371	192	386	209	378
60'-0"	103	261	118	276	133	306	147	326	162	342	177	364	195	368
62'-0"	94	243	107	264	121	288	135	306	149	321	163	343	176	354
64'-0"	86	232	98	249	110	268	123	283	136	304	150	319	163	338

- Values shown are for demonstration of maximum capacities based on the following assumptions:
 - Limit States Design per CAN/CSA-O86-01.
 - Simple span, uniformly loaded conditions.
 - 2000 lb concentrated load analysis.
 - No system factor increase (loads are applicable to trusses spaced more than 24" o.c.).
 - Deflection limited to L/240 under total load.
 - No composite stiffness. Deflection-limited values may be increased with a glue-nailed floor system.
 - Top chord no-notch bearing clips with 3½" bearing. Higher values may be possible with other types of bearing clips.
- Span indicates distance from inside face to inside face of bearing.
- Straight-line interpolation may be made between depths and spans.
- Where deflection-limited load is not shown (*), total load controls.
- To size a truss, check both the unfactored live load in the deflection column and the factored total load in the resistance column.
- **Vibration control**
 - Cells with **REGULAR** font: Truss MEETS Canadian vibration criteria with minimum ¾" sheathing (24 o.c. span rating), glued and nailed, maximum spacing of 24" o.c.
 - Cells with **BOLD ITALIC** font: Truss DOES NOT MEET Canadian vibration criteria with ¾" sheathing (24 o.c. span rating), glued and nailed, spacing of 24" o.c.
 - Thicker sheathing, closer spacing, or attached ceiling may improve vibration performance.
- For other conditions or profiles, contact a RedBuilt™ representative. Visit www.RedBuilt.com to find your local representative.

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Red-L™ Truss ■ Parallel Chord

Span	Factored Total Resistance (plf)													
	Depth													
	14"	16"	18"	20"	22"	24"	26"	28"	30"	32"	34"	36"	38"	40"
14'-0"	497	558	548	558	513	480	459	457	418	385	401	365	341	332
16'-0"	408	469	503	525	507	469	451	433	423	405	374	341	375	328
18'-0"	344	390	437	484	453	464	443	404	398	306	375	368	371	275
20'-0"	292	334	377	415	434	440	424	410	391	375	365	332	338	311
22'-0"	236	280	318	359	377	405	403	392	368	377	346	331	299	296
24'-0"	210	237	270	296	332	372	371	367	377	368	341	322	292	269
26'-0"	180	208	231	265	289	323	345	344	351	351	315	313	276	282
28'-0"	154	181	206	229	250	280	305	321	309	289	293	292	275	275
30'-0"	128	158	180	200	221	240	266	288	293	300	273	286	275	257
32'-0"	105	139	158	177	196	214	233	252	272	273	285	272	257	244
34'-0"	89	121	139	157	174	191	207	223	242	259	236	259	252	239
36'-0"	76	102	119	128	148	162	173	191	193	207	231	231	242	231
38'-0"	66	86	108	121	131	142	160	173	178	193	204	224	231	226
40'-0"		75	92	109	121	132	144	157	168	180	190	203	208	216
42'-0"		66	83	92	109	121	131	141	152	160	167	184	194	193
44'-0"		58	73	91	93	109	119	129	132	148	158	167	177	187
46'-0"			65	81	89	101	109	118	127	137	145	154	162	171
48'-0"			58	70	83	92	93	102	116	125	132	141	150	157
50'-0"				63	76	85	86	98	106	115	122	129	138	145
52'-0"					68	73	85	92	99	106	114	121	128	132
54'-0"					59	72	79	86	92	92	105	112	118	125
56'-0"						65	69	79	86	88	99	106	105	118
58'-0"							69	75	82	86	89	98	105	112
60'-0"							62	72	75	81	82	92	96	102

- Values shown are for demonstration of maximum capacities based on the following assumptions:
 - Limit States Design per CAN/CSA-O86-01.
 - Simple span, uniformly loaded conditions, with provisions for positive drainage (1/4:12 slope minimum).
 - No system factor increase (loads are applicable to trusses spaced more than 24" o.c.).
 - Deflection limited to L/180 under total load.
 - No composite stiffness assumed.
 - Top chord no-notch bearing clips with 3 1/2" bearing. Higher values may be possible with other types of bearing clips.
- Span indicates distance from inside face to inside face of bearing.
- Straight-line interpolations may be made between depths and spans.
- For other conditions or profiles, contact a RedBuilt™ representative. Visit www.RedBuilt.com to find your local representative.

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Red-W™ Truss ■ Parallel Chord

Span	Factored Total Resistance (plf)													
	Depth													
	14"	16"	18"	20"	22"	24"	26"	28"	30"	32"	34"	36"	38"	40"
14'-0"	625	679	687	666	634	628	578	545	522	495	473	456	433	410
16'-0"	499	576	595	602	605	582	572	546	516	464	459	423	428	387
18'-0"	413	480	530	533	548	553	548	515	497	470	444	410	414	391
20'-0"	344	395	453	476	489	499	499	499	492	450	459	421	377	346
22'-0"	280	329	372	420	438	447	450	454	454	454	430	404	364	369
24'-0"	239	276	322	358	391	404	410	413	417	414	418	395	355	359
26'-0"	208	244	275	311	341	372	378	377	381	380	381	374	344	326
28'-0"	183	208	237	266	295	323	349	351	354	354	357	351	331	316
30'-0"	154	184	208	231	259	280	308	326	328	331	334	328	318	303
32'-0"	137	161	184	206	227	246	272	293	305	305	308	308	305	293
34'-0"	112	144	162	181	200	216	236	259	280	285	290	292	288	272
36'-0"	95	121	141	158	174	190	210	224	242	260	270	272	263	262
38'-0"	83	112	124	141	157	171	187	201	219	234	244	252	249	243
40'-0"	72	96	111	125	142	155	170	177	194	210	224	236	239	231
42'-0"	62	83	102	115	128	139	154	165	177	191	201	213	224	220
44'-0"		72	89	106	118	128	139	150	162	174	173	193	207	201
46'-0"		63	82	95	108	115	128	138	147	160	168	180	191	190
48'-0"		58	73	85	98	108	112	127	137	147	152	162	175	177
50'-0"			65	81	89	98	106	116	124	135	138	151	161	160
52'-0"			59	72	82	89	98	108	115	125	131	141	148	152
54'-0"				63	78	83	91	99	108	115	119	129	138	142
56'-0"				59	69	75	88	95	102	104	116	121	131	138
58'-0"					63	73	82	89	95	99	106	112	121	129
60'-0"					58	68	76	83	86	96	101	109	114	122

- **Values shown are for demonstration of maximum capacities based on the following assumptions:**
 - Limit States Design per CAN/CSA-O86-01.
 - Simple span, uniformly loaded conditions, with provisions for positive drainage (1/4:12 slope minimum).
 - No system factor increase (loads are applicable to trusses spaced more than 24" o.c.).
 - Deflection limited to L/180 under total load.
 - No composite stiffness assumed.
 - Top chord no-notch bearing clips with 3 1/2" bearing. Higher values may be possible with other types of bearing clips.
- **Span** indicates distance from inside face to inside face of bearing.
- Straight-line interpolations may be made between depths and spans.
- For other conditions or profiles, contact a RedBuilt™ representative. Visit www.RedBuilt.com to find your local representative.

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Red-S™ Truss ▪ Parallel Chord

Span	Factored Total Resistance (plf)													
	Depth													
	16"	18"	20"	22"	24"	26"	28"	30"	32"	34"	36"	38"	40"	42"
16'-0"	647	704	693	713	679	641	608	569	562	530	516	483	470	469
18'-0"	542	612	647	640	635	643	621	579	562	525	506	476	460	450
20'-0"	447	510	569	592	617	611	589	574	549	529	500	470	461	438
22'-0"	362	423	476	522	559	559	559	556	541	519	489	467	461	430
24'-0"	312	329	397	446	486	510	513	519	528	506	487	459	461	433
26'-0"	265	303	338	377	414	456	469	473	482	467	479	467	438	426
28'-0"	229	262	295	326	361	394	427	440	449	446	446	436	447	415
30'-0"	190	227	257	286	315	339	372	401	415	414	415	418	415	415
32'-0"	158	201	226	249	276	302	328	351	378	390	392	394	394	400
34'-0"	132	173	200	223	246	267	290	312	335	358	369	371	371	372
36'-0"	112	145	177	196	219	239	259	279	299	319	335	346	351	349
38'-0"	96	125	157	177	197	214	226	249	266	286	305	315	328	326
40'-0"	82	106	135	161	177	193	208	224	240	252	275	290	306	311
42'-0"	72	91	116	144	160	174	190	204	220	234	249	265	279	293
44'-0"	62	81	102	125	147	160	174	187	200	214	227	240	254	267
46'-0"		70	89	111	132	147	158	171	184	196	208	220	233	244
48'-0"		63	79	96	116	134	145	157	168	180	191	203	213	224
50'-0"			70	86	104	124	135	145	155	165	177	187	197	207
52'-0"			62	76	93	109	125	132	144	154	162	173	183	191
54'-0"				69	83	99	115	124	132	141	151	160	168	177
56'-0"				62	75	89	105	115	121	131	139	148	157	165
58'-0"					65	79	93	106	115	122	128	138	145	154
60'-0"					60	72	85	98	108	115	122	129	137	144
62'-0"						66	76	89	101	108	115	121	128	134

- **Values shown are for demonstration of maximum capacities based on the following assumptions:**
 - Limit States Design per CAN/CSA-O86-01.
 - Simple span, uniformly loaded conditions, with provisions for positive drainage (1/4:12 slope minimum).
 - No system factor increase (loads are applicable to trusses spaced more than 24" o.c.).
 - Deflection limited to L/180 under total load.
 - No composite stiffness assumed.
 - Top chord S-clip bearing clips with 3 1/2" bearing. Higher values may be possible with other types of bearing clips.
- **Span** indicates distance from inside face to inside face of bearing.
- Straight-line interpolations may be made between depths and spans.
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Red-M™ Truss ■ Parallel Chord

Span	Factored Total Resistance (plf)													
	Depth													
	20"	22"	24"	26"	28"	30"	32"	34"	36"	38"	40"	42"	44"	46"
24'-0"	431	489	497	497	497	497	497	497	497	497	497	497	497	496
26'-0"	369	417	456	460	460	454	460	460	460	460	460	460	460	460
28'-0"	321	359	400	426	428	428	427	428	428	428	428	428	428	426
30'-0"	275	309	342	377	400	398	400	400	400	400	400	400	400	398
32'-0"	244	270	298	334	365	375	375	375	375	374	375	374	375	375
34'-0"	217	240	262	300	323	348	352	354	354	354	354	354	354	354
36'-0"	194	216	239	260	279	313	331	335	335	335	335	334	335	335
38'-0"	175	197	217	236	259	283	296	316	318	315	318	318	316	316
40'-0"	155	178	196	214	233	256	272	282	302	302	302	302	302	302
42'-0"	144	160	175	193	210	224	243	267	277	288	288	288	288	288
44'-0"	132	145	162	175	191	207	220	234	259	272	275	275	275	275
46'-0"	121	135	148	162	174	194	203	213	237	249	259	263	262	263
48'-0"	111	125	138	151	162	173	190	203	217	231	243	250	252	252
50'-0"	98	109	127	138	148	158	173	178	201	210	226	236	240	243
52'-0"	88	106	118	129	138	148	158	173	180	194	203	214	231	233
54'-0"	79	98	111	115	129	137	147	160	173	171	191	204	211	221
56'-0"	70	86	99	111	119	129	139	147	158	168	180	188	194	210
58'-0"	63	79	93	104	112	121	129	141	147	158	165	178	184	197
60'-0"	58	72	88	92	105	114	121	131	139	148	155	162	168	181
62'-0"		65	79	92	98	106	115	121	127	137	148	150	164	173
64'-0"		59	73	85	92	99	105	114	119	129	137	145	152	161
66'-0"			66	79	86	93	101	109	115	118	129	131	144	148
68'-0"			60	72	82	88	95	101	106	115	121	127	132	137
70'-0"				66	76	85	89	92	102	106	114	122	127	132

- Values shown are for demonstration of maximum capacities based on the following assumptions:
 - Limit States Design per CAN/CSA-O86-01.
 - Simple span, uniformly loaded conditions, with provisions for positive drainage (¼:12 slope minimum).
 - Deflection limited to L/180 under total load.
 - No system factor increase (loads are applicable to trusses spaced more than 24" o.c.).
 - No composite stiffness assumed.
 - Top chord S-clip bearing clips with 3½" bearing. Higher values may be possible with other types of bearing clips.
- Span indicates distance from inside face to inside face of bearing.
- Straight-line interpolations may be made between depths and spans.
- For other conditions or profiles, contact a RedBuilt™ representative. Visit www.RedBuilt.com to find your local representative.

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Red-H™ Truss ■ Parallel Chord

Span	Factored Total Resistance (plf)													
	Depth													
	24"	27"	30"	33"	36"	39"	42"	45"	48"	51"	54"	57"	60"	63"
30'-0"	482	559	627	618	624	612	581	584	519	552	526	486	484	457
32'-0"	424	495	562	601	591	607	574	552	536	495	246	495	461	447
34'-0"	374	440	499	559	553	599	581	541	496	502	493	490	483	460
36'-0"	335	391	446	503	559	571	545	530	533	463	473	470	473	470
38'-0"	298	346	403	449	505	516	522	530	510	502	437	450	463	451
40'-0"	272	318	365	407	450	499	510	509	512	492	490	428	433	428
42'-0"	249	290	329	367	408	453	473	502	493	492	476	443	441	413
44'-0"	229	265	303	336	374	413	449	451	461	473	484	453	430	428
46'-0"	208	239	272	311	342	375	411	424	446	451	456	451	443	423
48'-0"	196	220	253	285	313	346	380	410	405	411	441	438	436	423
50'-0"	178	208	233	260	290	319	351	374	404	410	424	418	413	415
52'-0"	164	193	214	243	269	295	322	349	377	395	405	394	392	414
54'-0"	152	178	196	226	247	276	298	322	351	368	377	390	395	380
56'-0"	139	158	187	206	233	253	279	305	323	348	368	372	381	372
58'-0"	125	152	174	196	213	233	259	282	306	326	344	368	362	351
60'-0"	115	142	164	181	200	219	242	262	280	308	326	336	354	352
62'-0"	104	134	154	173	187	210	226	244	269	288	308	322	341	342
64'-0"	95	125	144	161	178	193	208	231	247	269	277	302	323	331
66'-0"	86	115	137	151	165	181	197	213	229	249	266	285	302	306
68'-0"	79	105	127	144	158	171	184	204	216	237	250	267	288	303
70'-0"	72	96	119	135	150	164	174	190	207	220	240	253	270	285

- Values shown are for demonstration of maximum capacities based on the following assumptions:
 - Limit States Design per CAN/CSA-O86-01.
 - Simple span, uniformly loaded conditions, with provisions for positive drainage (¼:12 slope minimum).
 - No system factor increase (loads are applicable to trusses spaced more than 24" o.c.).
 - Deflection limited to L/180 under total load.
 - No composite stiffness assumed.
 - Top chord Z-clip bearing clips with 5½" bearing. Higher values may be possible with other types of bearing clips.

- Span indicates distance from inside face to inside face of bearing.
- Straight-line interpolations may be made between depths and spans.
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