

Economical Design Guide

ECONOMICAL LOAD TABLES

The following Economical Design Guide load tables are provided to aid designers in selecting the most economical joist for a given span and loading condition. The joist selections shown are listed based on production costs starting with the lowest cost joist for each span from 10'-0" through 240'-0". Refer to page 27 for definition of "Span". Bridging and erection costs have not been considered in the joist selections. The tables include K, LH and DLH Series joists.

Total load capacities are listed for both LRFD and ASD load conditions. Live loads which will produce an approximate deflection of 1/240 or 1/360 of the span are also listed. The tables also include an approximate weight per foot of each joist selection.

The tables have been shaded to indicate the joist selections requiring the installation of bolted diagonal bridging. Designers should consider erection costs associated with the bridging requirements when making joist selections.

Where the joist designation is shaded RED, SJI requires the row of bridging nearest to midspan to be bolted diagonal and shall be completely installed prior to releasing the hoisting cables.

Where the joist designation is shaded BLUE, SJI requires all rows of bridging to be bolted diagonal with the two rows nearest to the third points completely installed prior to releasing the hoisting cables.

Where the joist designation is shaded GRAY, SJI requires all rows of bridging to be bolted diagonal completely installed prior to releasing the hoisting cables.

LRFD vs. ASD DESIGN EXAMPLE

For most joist applications, the designer can potentially select a more economical joist by specifying LRFD load combinations.

For example: Given joist with a 50'-0" span where Dead Load = 20 psf, and Live Load = 30 psf. Spacing between joists is 6'-0" (roof application). The required Dead Load = 20 psf x 6'-0" = 120 plf, and the required Live Load = 30 psf x 6'-0" = 180 plf.

LRFD Load Case:

Using LRFD load case, the required factored load capacity for the joist is $(1.2 \times DL + 1.6 \times LL) = (1.2 \times 120 \text{ plf} + 1.6 \times 180 \text{ plf}) = 432 \text{ plf}$. Page 35 of the Economical Design Guide shows that for 50 ft. joist span the designer should choose a joist with LRFD load capacity of 436 plf. The table also shows that the service LL capacity for deflection of 1/240 of span (typical for roof application) is 249 plf > 180 plf (required service LL). The most economical joist under LRFD load case is a 30K10 (joist weight = 11.5 plf).

ASD Load Case:

Using ASD load case, the required service load capacity for the joist is $(DL + LL) = (120 \text{ plf} + 180 \text{ plf}) = 300 \text{ plf}$. Page 35 of the Economical Design Guide shows that for 50 ft. joist span the designer should choose a joist with ASD load capacity of 333 plf. The most economical joist under ASD load case is a 30K11 (joist weight = 13.1 plf).

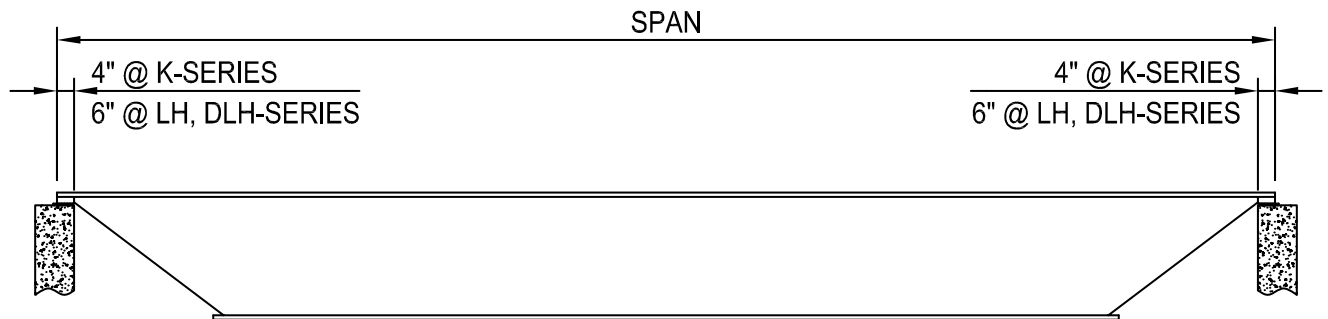
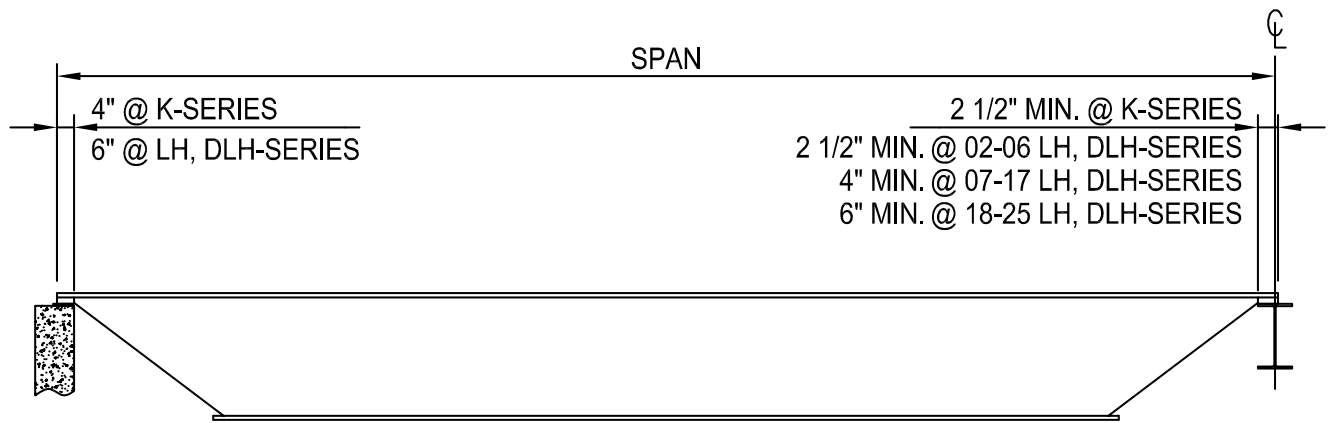
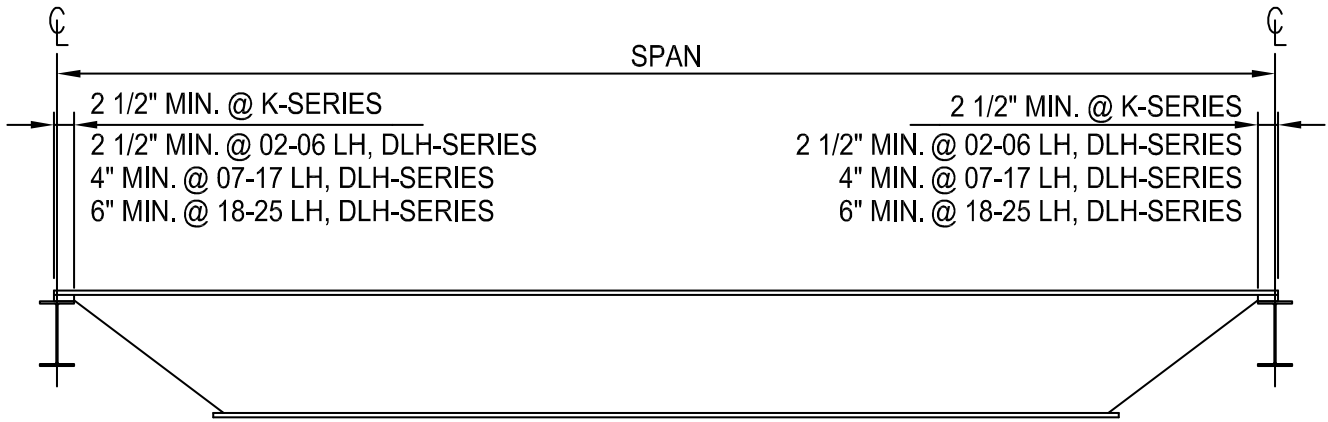
The designer should note that a more economical joist design can be selected using LRFD load case.

This condition is also true when using the published SJI Load Tables. Consider the previous example, where the maximum joist depth is 30 inches. Based on the LRFD SJI Load Table page 82, the 30K10 with a factored-load capacity of 436 plf > 432 plf (required factored TL) is selected. Based on the ASD SJI Load Table page 95, the 30K10 only has a service-load capacity of 291 plf < 300 plf (required TL) therefore the heavier 30K11 with a service-load capacity of 333 plf > 300 plf (required TL) is selected.

Again, it is shown that the LRFD load case can potentially allow the designer to select a more economical joist design. The LRFD design methodology is particularly economically advantageous for conditions with a Design Live Load of less than three times the Design Dead Load.



Definition of Span



Economical Load Tables

Joist Span (ft.)		Total Load (plf)		Live Load (plf)		Joist Designation	Joist Wgt. (plf)
		Factored	Service	1/240	1/360		
		LRFD	ASD				
10	F	825	550	550	550	10K1	4.6
11	F	825	550	550	542	10K1	4.5
12	F	825	550	550	550	12K1	5.0
13	F	718	479	479	363	10K1	5.1
	F	825	550	550	510	12K1	5.2
14	F	618	412	412	289	10K1	4.5
	F	750	500	500	425	12K1	5.1
	F	825	550	550	463	12K3	5.3
15	F	537	358	351	234	10K1	4.6
	F	651	434	434	344	12K1	5.1
	F	814	543	543	428	12K3	5.5
	F	825	550	550	434	12K5	5.7
16	F	469	313	288	192	10K1	4.5
	F	570	380	380	282	12K1	4.7
	F	714	476	476	351	12K3	5.3
	F	825	550	550	467	14K3	5.9
17	F	415	277	238	159	10K1	4.5
	F	504	336	336	234	12K1	4.7
	F	630	420	420	291	12K3	5.4
	F	768	512	512	488	16K2	5.8
	F	825	550	550	526	16K3	6.4
18	F	369	246	201	134	10K1	4.5
	F	448	299	295	197	12K1	4.6
	F	561	374	367	245	12K3	5.3
	F	661	441	441	339	14K3	5.6
	F	825	550	550	550	18K3	5.9
19	F	331	221	169	113	10K1	4.5
	F	402	268	250	167	12K1	4.6
	F	502	335	310	207	12K3	5.3
	F	612	408	408	347	16K2	5.6
	F	771	514	514	494	18K3	5.7
20	F	298	199	145	97	10K1	4.6
	F	361	241	213	142	12K1	4.7
	F	453	302	265	177	12K3	5.4
	F	694	463	463	423	18K3	5.8
	F	775	517	517	517	20K3	6.1
	F	825	550	550	550	20K4	6.5
21	F	327	218	184	123	12K1	4.6
	F	385	257	255	170	14K1	5.3
	F	409	273	229	153	12K3	5.3
	F	483	322	318	212	14K3	5.5
	F	556	371	371	285	16K3	5.9
	F	630	420	420	364	18K3	5.9
	F	702	468	468	453	20K3	6.0
	F	759	506	506	426	18K4	6.6
	F	825	550	550	520	22K4	7.3
22	F	298	199	159	106	12K1	4.7
	F	351	234	220	147	14K1	4.9
	F	373	249	198	132	12K3	5.4
	F	573	382	382	316	18K3	5.6

F = FACTORED Load

Joist Span (ft.)		Total Load (plf)		Live Load (plf)		Joist Designation	Joist Wgt. (plf)
		Factored	Service	1/240	1/360		
		LRFD	ASD				
22 (cont.)	F	639	426	426	393	20K3	5.9
	F	690	460	460	370	18K4	6.6
	F	771	514	514	461	20K4	6.9
	F	825	550	550	548	22K4	7.1
	F	831	554	554	439	18LH02	8.1
	F	921	614	614	488	18LH03	8.7
	F	1072	715	715	566	18LH04	10.1
	F	1212	808	808	637	18LH05	11.3
	F	1432	955	955	738	18LH06	13.2
	F	1488	992	992	776	18LH07	13.3
	F	1551	1034	1034	810	18LH08	14.6
F	1662	1108	1108	864	18LH09	14.6	
23	F	271	181	139	93	12K1	4.7
	F	321	214	192	128	14K1	4.8
	F	340	227	174	116	12K3	5.2
	F	523	349	349	276	18K3	5.4
	F	583	389	389	344	20K3	5.9
	F	630	420	420	323	18K4	6.4
	F	703	469	469	402	20K4	6.7
	F	777	518	518	491	22K4	7.0
	F	825	550	550	550	24K4	7.1
	F	972	648	648	549	20LH04	9.3
	F	1045	697	697	589	20LH05	10.4
F	1158	772	772	582	18LH05	11.7	
F	1396	931	931	777	20LH06	13.2	
F	1489	993	993	830	20LH07	13.4	
F	1534	1023	1023	858	20LH08	14.1	
F	1680	1120	1120	935	20LH09	15.0	
F	1813	1209	1209	1008	20LH10	16.6	
24	F	249	166	121	81	12K1	4.7
	F	294	196	169	113	14K1	4.8
	F	312	208	151	101	12K3	5.3
	F	480	320	320	242	18K3	5.4
	F	535	357	357	302	20K3	5.8
	F	577	385	385	284	18K4	6.4
	F	645	430	430	353	20K4	6.5
	F	651	434	434	318	18K5	7.0
	F	712	475	475	431	22K4	6.9
	F	727	485	485	396	20K5	7.1
	F	780	520	520	516	24K4	7.2
F	804	536	536	483	22K5	7.5	
F	825	550	550	544	24K5	7.3	
F	843	562	562	409	18LH03	9.2	
F	931	621	621	503	20LH04	9.7	
F	1002	668	668	540	20LH05	10.4	
F	1108	739	739	534	18LH05	11.7	
F	1336	891	891	713	20LH06	13.3	
F	1426	951	951	761	20LH07	14.0	
F	1470	980	980	787	20LH08	14.5	
F	1609	1073	1073	857	20LH09	15.9	
F	1737	1158	1158	924	20LH10	17.0	
25	F	441	294	294	214	18K3	5.4



Economical Load Tables

Joist Span (ft.)	Total Load (plf)		Live Load (plf)		Joist Designation	Joist Wgt. (plf)
	Factored	Service				
	LRFD	ASD	1/240	1/360		
25 (cont.)	F 493	329	329	266	20K3	5.5
	F 532	355	355	250	18K4	6.3
	F 594	396	396	312	20K4	6.5
	F 657	438	438	381	22K4	6.7
	F 669	446	446	350	20K5	7.1
	F 718	479	479	456	24K4	7.1
	F 729	486	486	380	20K6	7.5
	F 739	493	493	427	22K5	7.5
	F 805	537	537	464	22K6	7.9
	F 825	550	550	520	24K6	7.9
	F 894	596	596	463	20LH04	9.9
	F 960	640	640	497	20LH05	11.0
	F 1063	709	709	492	18LH05	13.0
	F 1282	855	855	656	20LH06	14.0
	F 1308	872	872	599	18LH07	14.6
	F 1368	912	912	701	20LH07	14.8
	F 1410	940	940	724	20LH08	15.0
	F 1459	973	973	667	18LH09	16.3
	F 1545	1030	1030	789	20LH09	18.0
	F 1666	1111	1111	851	20LH10	18.5
26	F 249	166	132	88	14K1	4.8
	F 456	304	304	236	20K3	5.5
	F 492	328	328	222	18K4	6.4
	F 549	366	366	277	20K4	6.5
	F 606	404	404	338	22K4	6.7
	F 618	412	412	310	20K5	7.1
	F 663	442	442	405	24K4	7.2
	F 673	449	449	337	20K6	7.6
	F 682	455	455	379	22K5	7.3
	F 744	496	496	411	22K6	7.8
	F 750	500	500	373	20K7	8.2
	F 813	542	542	535	26K5	8.4
	F 825	550	550	454	22K7	8.5
	F 861	574	574	428	20LH04	10.0
	F 924	616	616	459	20LH05	11.3
	F 1026	684	681	454	18LH05	12.9
	F 1233	822	822	606	20LH06	14.0
	F 1317	878	878	647	20LH07	14.6
	F 1362	908	908	669	20LH08	15.6
	F 1485	990	990	729	20LH09	16.4
F 1602	1068	1068	786	20LH10	18.2	
27	F 378	252	252	169	18K3	5.3
	F 421	281	281	211	20K3	5.6
	F 454	303	297	198	18K4	6.3
	F 508	339	339	247	20K4	6.6
	F 561	374	374	301	22K4	6.7
	F 615	410	410	361	24K4	7.0
	F 633	422	422	337	22K5	7.3
	F 693	462	462	404	24K5	7.6
	F 753	502	502	477	26K5	7.9
	F 754	503	503	439	24K6	8.2

F = FACTORED Load

Joist Span (ft.)	Total Load (plf)		Live Load (plf)		Joist Designation	Joist Wgt. (plf)
	Factored	Service				
	LRFD	ASD	1/240	1/360		
27 (cont.)	F 768	512	512	406	22K7	8.5
	F 825	550	550	522	26K7	8.8
	F 849	566	566	406	20LH04	10.9
	F 913	609	609	437	20LH05	11.3
	F 972	648	621	414	18LH05	13.0
	F 1186	791	791	561	20LH06	14.5
	F 1267	845	845	599	20LH07	15.6
	F 1309	873	873	619	20LH08	16.1
	F 1429	953	953	675	20LH09	17.2
	F 1542	1028	1028	724	20LH10	18.0
28	F 351	234	226	151	18K3	5.3
	F 391	261	261	189	20K3	5.4
	F 423	282	265	177	18K4	6.3
	F 472	315	315	221	20K4	6.4
	F 522	348	348	270	22K4	6.6
	F 571	381	381	323	24K4	6.8
	F 588	392	392	302	22K5	7.3
	F 643	429	429	362	24K5	7.4
	F 699	466	466	427	26K5	7.7
	F 700	467	467	393	24K6	8.0
29	F 327	218	204	136	18K3	5.3
	F 364	243	243	170	20K3	5.4
	F 394	263	238	159	18K4	6.2
	F 439	293	293	199	20K4	6.3
	F 486	324	324	242	22K4	6.4
	F 531	354	354	290	24K4	6.6
	F 547	365	365	272	22K5	7.1
	F 600	400	400	325	24K5	7.1
	F 651	434	434	384	26K5	7.7
	F 652	435	435	354	24K6	7.7
29	F 664	443	443	327	22K7	8.3
	F 727	485	485	392	24K7	8.4
	F 766	511	511	486	28K6	8.6
	F 825	550	550	479	26K8	8.9
	F 1062	708	708	567	24LH06	12.9
	F 1167	778	778	623	24LH07	14.2
	F 1245	830	830	662	24LH08	15.6
	F 1465	977	977	775	24LH09	18.3
	F 1548	1032	1032	822	24LH10	19.3



Economical Load Tables

Joist Span (ft.)	Total Load (plf)		Live Load (plf)		Joist Designation	Joist Wgt. (plf)
	Factored	Service	1/240	1/360		
	LRFD	ASD				
29	F 1632	1088	1088	861	24LH11	19.6
30	F 304	203	184	123	18K3	5.4
	F 340	227	227	153	20K3	5.4
	F 367	245	216	144	18K4	6.2
	F 411	274	268	179	20K4	6.3
	F 453	302	302	219	22K4	6.4
	F 496	331	331	262	24K4	6.5
	F 511	341	341	245	22K5	7.1
	F 559	373	373	293	24K5	7.1
	F 607	405	405	346	26K5	7.5
	F 609	406	406	319	24K6	7.6
	F 619	413	413	295	22K7	8.2
	F 661	441	441	377	26K6	8.1
	F 679	453	453	353	24K7	8.3
	F 715	477	477	439	28K6	8.3
	F 738	492	492	417	26K7	8.6
	F 796	531	531	486	28K7	9.0
	F 825	550	550	500	28K8	9.3
F 1026	684	684	529	24LH06	13.3	
F 1128	752	752	582	24LH07	14.1	
F 1203	802	802	618	24LH08	15.7	
F 1416	944	944	724	24LH09	17.6	
F 1497	998	998	768	24LH10	18.9	
F 1578	1052	1052	804	24LH11	20.0	
31	F 318	212	207	138	20K3	5.4
	F 384	256	243	162	20K4	6.3
	F 424	283	283	198	22K4	6.4
	F 465	310	310	237	24K4	6.5
	F 478	319	319	222	22K5	7.1
	F 523	349	349	266	24K5	7.2
	F 568	379	379	314	26K5	7.5
	F 570	380	380	289	24K6	7.6
	F 619	413	413	341	26K6	7.9
	F 636	424	424	320	24K7	8.3
	F 690	460	460	378	26K7	8.5
	F 702	468	468	350	24K8	9.0
	F 763	509	509	413	26K8	9.3
	F 801	534	534	508	30K7	9.5
	F 825	550	550	444	26K9	9.9
F 993	662	662	495	24LH06	13.9	
F 1090	727	727	545	24LH07	14.6	
F 1164	776	776	578	24LH08	15.6	
F 1369	913	913	677	24LH09	18.2	
F 1447	965	965	718	24LH10	18.8	
F 1525	1017	1017	752	24LH11	20.2	
32	F 267	178	151	101	18K3	5.4
	F 298	199	189	126	20K3	5.5
	F 322	215	177	118	18K4	6.4
	F 360	240	220	147	20K4	6.4
	F 397	265	265	180	22K4	6.7
F 435	290	290	215	24K4	6.8	

F = FACTORED Load

Joist Span (ft.)	Total Load (plf)		Live Load (plf)		Joist Designation	Joist Wgt. (plf)
	Factored	Service	1/240	1/360		
	LRFD	ASD				
32 (cont.)	F 448	299	299	201	22K5	7.4
	F 489	326	326	219	22K6	7.5
	F 490	327	327	241	24K5	7.4
	F 534	356	356	285	26K5	7.4
	F 535	357	357	262	24K6	8.0
	F 544	363	363	266	24LH03	8.2
	F 580	387	387	309	26K6	8.0
	F 595	397	397	290	24K7	8.6
	F 627	418	418	361	28K6	8.5
	F 648	432	432	343	26K7	8.7
	F 699	466	466	400	28K7	9.1
	F 715	477	477	375	26K8	9.3
	F 751	501	501	461	30K7	9.7
	F 778	519	519	407	26K9	10.7
	F 823	549	549	500	30K8	10.9
	F 961	641	641	465	24LH06	13.9
	F 1056	704	704	511	24LH07	15.5
F 1126	751	751	543	24LH08	16.1	
F 1326	884	884	635	24LH09	18.6	
F 1402	935	935	674	24LH10	20.0	
F 1477	985	985	705	24LH11	20.2	
33	F 252	168	138	92	18K3	5.4
	F 280	187	171	114	20K3	5.5
	F 303	202	162	108	18K4	6.3
	F 339	226	201	134	20K4	6.3
	F 373	249	246	164	22K4	6.4
	F 409	273	273	196	24K4	6.5
	F 421	281	274	183	22K5	7.1
	F 462	308	308	220	24K5	7.2
	F 501	334	334	259	26K5	7.5
	F 502	335	335	239	24K6	7.7
	F 546	364	364	282	26K6	8.0
	F 589	393	393	329	28K6	8.1
	F 609	406	406	312	26K7	8.7
	F 657	438	438	364	28K7	8.8
	F 706	471	471	420	30K7	9.2
F 726	484	484	399	28K8	9.7	
F 732	488	488	370	26K9	10.1	
F 780	520	520	460	30K8	10.9	
F 790	527	527	432	28K9	10.4	
F 798	532	532	468	30K9	11.0	
F 931	621	621	437	24LH06	13.9	
F 1024	683	683	480	24LH07	15.6	
F 1092	728	728	510	24LH08	16.2	
F 1285	857	857	597	24LH09	19.3	
F 1359	906	906	633	24LH10	20.0	
F 1432	955	955	663	24LH11	20.2	
34	F 237	158	126	84	18K3	5.4
	F 264	176	157	105	20K3	5.5
	F 285	190	147	98	18K4	6.3
	F 318	212	183	122	20K4	6.4



Introduction
 General Joist Information
 Economical Design Guide
 Top Chord Ext., K-Series
 Joist Substitutes & Outriggers
 KCS Joists
 Joist LRFD Load Tables
 Joist ASD Load Tables
 Load/Weight Tables
 Joist Girder Weight Tables
 SJI Standard Specifications
 SJI Code of Stand. Practice
 Fire Resistance Ratings
 OSHA Safety Standards

Economical Load Tables

Joist Span (ft.)	Total Load (plf)		Live Load (plf)		Joist Designation	Joist Wgt. (plf)
	Factored	Service	1/240	1/360		
	LRFD	ASD				
34 (cont.)	F 352	235	223	149	22K4	6.5
	F 385	257	257	179	24K4	6.5
	F 397	265	250	167	22K5	7.0
	F 435	290	290	201	24K5	7.2
	F 472	315	315	237	26K5	7.2
	F 514	343	343	257	26K6	7.8
	F 555	370	370	300	28K6	8.1
	F 573	382	382	285	26K7	8.5
	F 618	412	412	333	28K7	8.6
	F 664	443	443	384	30K7	9.1
	F 684	456	456	364	28K8	9.5
	F 735	490	490	420	30K8	9.8
	F 774	516	516	441	30K9	10.1
	F 828	552	552	443	28LH06	12.6
	F 906	604	604	411	24LH06	14.5
	F 936	624	624	499	28LH07	14.3
F 1002	668	668	533	28LH08	14.3	
F 1060	707	707	480	24LH08	16.2	
F 1350	900	900	714	28LH10	18.8	
F 1447	965	965	763	28LH11	20.2	
F 1590	1060	1060	835	28LH12	22.4	
F 1657	1105	1105	872	28LH13	22.8	
35	F 249	166	144	96	20K3	5.4
	F 300	200	168	112	20K4	6.3
	F 331	221	205	137	22K4	6.4
	F 363	242	242	164	24K4	6.5
	F 373	249	229	153	22K5	7.1
	F 409	273	273	184	24K5	7.1
	F 445	297	297	217	26K5	7.2
	F 484	323	323	236	26K6	7.7
	F 523	349	349	275	28K6	7.9
	F 540	360	360	261	26K7	8.3
	F 583	389	389	305	28K7	8.6
	F 627	418	418	351	30K7	8.8
	F 645	430	430	333	28K8	9.5
	F 693	462	462	384	30K8	9.6
	F 702	468	468	361	28K9	10.2
	F 751	501	501	415	30K9	10.5
	F 804	536	536	417	28LH06	12.5
	F 868	579	573	382	24LH06	14.5
	F 909	606	606	471	28LH07	14.1
	F 973	649	649	503	28LH08	14.2
F 1015	677	670	447	24LH08	16.3	
F 1198	799	799	618	28LH09	17.6	
F 1311	874	874	673	28LH10	19.7	
F 1405	937	937	719	28LH11	20.6	
F 1545	1030	1030	787	28LH12	22.3	
F 1609	1073	1073	822	28LH13	24.1	
36	F 211	141	105	70	18K3	5.4
	F 235	157	132	88	20K3	5.5
	F 313	209	189	126	22K4	6.5

F = FACTORED Load

Joist Span (ft.)	Total Load (plf)		Live Load (plf)		Joist Designation	Joist Wgt. (plf)
	Factored	Service	1/240	1/360		
	LRFD	ASD				
36 (cont.)	F 343	229	225	150	24K4	6.6
	F 354	236	211	141	22K5	7.1
	F 387	258	253	169	24K5	7.1
	F 420	280	280	199	26K5	7.2
	F 421	281	274	183	24K6	7.7
	F 457	305	305	216	26K6	7.7
	F 495	330	330	252	28K6	7.9
	F 510	340	340	240	26K7	8.4
	F 550	367	367	280	28K7	8.6
	F 592	395	395	323	30K7	8.7
	F 609	406	406	306	28K8	9.3
	F 654	436	436	353	30K8	9.5
	F 663	442	442	332	28K9	10.2
	F 712	475	475	383	30K9	10.4
	F 730	487	487	392	30K10	10.7
	F 781	521	521	394	28LH06	12.5
F 883	589	589	445	28LH07	14.0	
F 919	613	589	393	24LH07	16.2	
F 946	631	631	475	28LH08	15.8	
F 973	649	624	416	24LH08	16.2	
F 1165	777	777	584	28LH09	17.6	
F 1273	849	849	636	28LH10	19.6	
F 1366	911	911	680	28LH11	20.3	
F 1501	1001	1001	744	28LH12	22.7	
F 1564	1043	1043	777	28LH13	24.1	
37	F 222	148	121	81	20K3	5.4
	F 268	179	142	95	20K4	6.4
	F 297	198	174	116	22K4	6.5
	F 324	216	207	138	24K4	6.6
	F 334	223	195	130	22K5	7.1
	F 366	244	232	155	24K5	7.1
	F 397	265	265	183	26K5	7.4
	F 399	266	253	169	24K6	7.7
	F 433	289	289	199	26K6	7.8
	F 468	312	312	232	28K6	8.0
	F 483	322	322	221	26K7	8.7
	F 522	348	348	257	28K7	8.7
	F 559	373	373	297	30K7	8.7
	F 576	384	384	282	28K8	9.4
	F 619	413	413	325	30K8	9.5
	F 627	418	418	305	28K9	10.1
F 673	449	449	352	30K9	11.0	
F 711	474	474	374	30K10	10.7	
F 760	507	507	373	28LH06	12.4	
F 859	573	573	421	28LH07	13.9	
F 921	614	614	449	28LH08	15.7	
F 933	622	582	388	24LH08	17.7	
F 1132	755	755	553	28LH09	18.6	
F 1239	826	826	602	28LH10	20.3	
F 1329	886	886	643	28LH11	21.8	
F 1461	974	974	704	28LH12	24.0	



Economical Load Tables

Joist Span (ft.)	Total Load (plf)			Live Load (plf)		Joist Designation	Joist Wgt. (plf)
	Factored	Service		1/240	1/360		
		LRFD	ASD				
37	F	1521	1014	1014	735	28LH13	24.1
38	F	211	141	111	74	20K3	5.4
	F	255	170	130	87	20K4	6.4
	F	280	187	160	107	22K4	6.4
	F	307	205	192	128	24K4	6.5
	F	316	211	178	119	22K5	7.1
	F	346	231	214	143	24K5	7.1
	F	376	251	251	169	26K5	7.2
	F	378	252	234	156	24K6	7.7
	F	411	274	274	184	26K6	7.8
	F	444	296	296	214	28K6	8.0
	F	457	305	305	204	26K7	8.3
	F	493	329	329	237	28K7	8.7
	F	531	354	354	274	30K7	8.8
	F	546	364	364	260	28K8	9.4
	F	586	391	391	300	30K8	9.4
	F	594	396	396	282	28K9	10.0
	F	639	426	426	325	30K9	10.4
	F	691	461	461	353	30K10	11.3
F	741	494	494	354	28LH06	13.2	
F	756	504	459	306	24LH06	14.4	
F	835	557	557	399	28LH07	14.6	
F	895	597	597	426	28LH08	15.5	
F	1102	735	735	524	28LH09	19.3	
F	1206	804	804	570	28LH10	20.2	
F	1294	863	863	609	28LH11	22.1	
F	1482	988	988	696	28LH13	24.0	
39	F	199	133	103	69	20K3	5.4
	F	241	161	121	81	20K4	6.4
	F	267	178	147	98	22K4	6.4
	F	292	195	177	118	24K4	6.5
	F	300	200	165	110	22K5	7.0
	F	328	219	198	132	24K5	7.1
	F	357	238	234	156	26K5	7.2
	F	358	239	216	144	24K6	7.6
	F	390	260	255	170	26K6	7.8
	F	420	280	280	198	28K6	7.8
	F	433	289	282	188	26K7	8.4
	F	469	313	313	219	28K7	8.4
	F	504	336	336	253	30K7	8.7
	F	519	346	346	240	28K8	9.2
	F	556	371	371	277	30K8	9.3
	F	564	376	376	260	28K9	9.9
	F	606	404	404	300	30K9	10.3
	F	619	413	393	262	26K10	11.4
F	670	447	447	306	28K10	11.5	
F	673	449	449	308	28K12	11.5	
F	729	486	486	388	32LH07	12.8	
F	792	528	528	421	32LH08	14.3	
F	814	543	543	379	28LH07	15.0	
F	873	582	582	404	28LH08	15.5	

F = FACTORED Load

Joist Span (ft.)	Total Load (plf)			Live Load (plf)		Joist Designation	Joist Wgt. (plf)	
	Factored	Service		1/240	1/360			
		LRFD	ASD					
39 (cont.)	F	993	662	662	526	32LH09	16.9	
	F	1098	732	732	581	32LH10	17.6	
	F	1176	784	784	541	28LH10	20.1	
	F	1203	802	802	635	32LH11	20.0	
	F	1260	840	840	578	28LH11	22.0	
	F	1411	941	941	742	32LH12	22.9	
	F	1443	962	962	661	28LH13	24.7	
	F	1575	1050	1050	825	32LH13	24.7	
	F	1621	1081	1081	850	32LH14	26.3	
	F	1675	1117	1117	878	32LH15	27.1	
	40	F	190	127	96	64	20K3	5.5
		F	253	169	136	91	22K4	6.4
		F	277	185	163	109	24K4	6.5
		F	285	190	153	102	22K5	7.0
		F	312	208	183	122	24K5	7.2
F		340	227	217	145	26K5	7.2	
F		370	247	235	157	26K6	7.8	
F		399	266	266	183	28K6	7.9	
F		412	275	261	174	26K7	8.3	
F		445	297	297	203	28K7	8.4	
F		478	319	319	234	30K7	8.6	
F		492	328	328	222	28K8	9.2	
F		529	353	353	256	30K8	9.3	
F		535	357	357	241	28K9	9.9	
F		576	384	384	278	30K9	10.2	
F	589	393	364	243	26K10	11.4		
F	636	424	424	284	28K10	11.6		
F	657	438	438	315	30K10	11.6		
F	711	474	474	368	32LH07	12.8		
F	771	514	514	400	32LH08	14.2		
F	793	529	529	360	28LH07	15.4		
F	967	645	645	500	32LH09	16.8		
F	1069	713	713	552	32LH10	18.1		
F	1146	764	764	514	28LH10	20.2		
F	1171	781	781	604	32LH11	19.9		
F	1228	819	819	549	28LH11	22.8		
F	1377	918	918	705	32LH12	22.8		
F	1407	938	938	628	28LH13	24.6		
F	1534	1023	1023	784	32LH13	25.8		
F	1581	1054	1054	807	32LH14	26.8		
F	1633	1089	1089	834	32LH15	27.0		
41	F	241	161	127	85	22K4	6.4	
	F	264	176	151	101	24K4	6.5	
	F	271	181	142	95	22K5	7.0	
	F	297	198	171	114	24K5	7.2	
	F	322	215	201	134	26K5	7.2	
	F	324	216	186	124	24K6	7.7	
	F	352	235	219	146	26K6	7.8	
	F	379	253	253	170	28K6	7.9	
	F	393	262	243	162	26K7	8.3	
	F	424	283	283	189	28K7	8.4	



Introduction
 General Joist Information
 Economical Design Guide
 Top Chord Ext., K-Series
 Joist Substitutes & Outriggers
 KCS Joists
 Joist LRFD Load Tables
 Joist ASD Load Tables
 Load/Weight Tables
 Joist Girder Weight Tables
 SJI Standard Specifications
 SJI Code of Stand. Practice
 Fire Resistance Ratings
 OSHA Safety Standards

Economical Load Tables

Joist Span (ft.)	Total Load (plf)		Live Load (plf)		Joist Designation	Joist Wgt. (plf)
	Factored	Service	1/240	1/360		
	LRFD	ASD				
41 (cont.)	F 454	303	303	217	30K7	8.5
	F 468	312	309	206	28K8	9.1
	F 502	335	335	238	30K8	9.3
	F 510	340	336	224	28K9	9.9
	F 547	365	365	258	30K9	10.2
	F 561	374	337	225	26K10	11.4
	F 606	404	394	263	28K10	11.5
	F 616	411	411	315	32LH06	11.4
	F 640	427	427	300	30K10	11.6
	F 693	462	462	351	32LH07	12.7
	F 753	502	502	380	32LH08	14.1
	F 774	516	513	342	28LH07	15.6
	F 829	553	547	365	28LH08	16.5
	F 943	629	629	476	32LH09	17.3
	F 1044	696	696	525	32LH10	18.6
	F 1143	762	762	574	32LH11	19.9
	F 1198	799	784	523	28LH11	23.1
F 1342	895	895	671	32LH12	23.6	
F 1372	915	895	597	28LH13	26.5	
F 1497	998	998	746	32LH13	26.8	
F 1593	1062	1062	794	32LH15	26.8	
42	F 229	153	118	79	22K4	6.4
	F 252	168	141	94	24K4	6.5
	F 259	173	132	88	22K5	7.0
	F 283	189	159	106	24K5	7.2
	F 307	205	187	125	26K5	7.2
	F 309	206	172	115	24K6	7.7
	F 336	224	204	136	26K6	7.8
	F 361	241	237	158	28K6	7.8
	F 373	249	225	150	26K7	8.4
	F 403	269	262	175	28K7	8.4
	F 433	289	289	202	30K7	8.8
	F 445	297	288	192	28K8	9.1
	F 480	320	320	221	30K8	9.4
	F 486	324	312	208	28K9	9.8
	F 522	348	348	240	30K9	10.0
	F 576	384	367	245	28K10	11.5
	F 619	413	413	282	30K10	11.7
F 625	417	417	284	30K11	11.7	
F 676	451	451	334	32LH07	12.7	
F 735	490	490	362	32LH08	14.1	
F 757	505	489	326	28LH07	16.2	
F 810	540	522	348	28LH08	16.4	
F 921	614	614	453	32LH09	17.3	
F 1018	679	679	500	32LH10	19.4	
F 1116	744	744	547	32LH11	20.4	
F 1170	780	747	498	28LH11	23.1	
F 1311	874	874	639	32LH12	24.3	
F 1504	1003	1003	732	32LH14	26.7	
F 1555	1037	1037	756	32LH15	27.7	
43	F 219	146	109	73	22K4	6.4

F = FACTORED Load

Joist Span (ft.)	Total Load (plf)		Live Load (plf)		Joist Designation	Joist Wgt. (plf)
	Factored	Service	1/240	1/360		
	LRFD	ASD				
43 (cont.)	F 240	160	132	88	24K4	6.5
	F 247	165	123	82	22K5	7.0
	F 270	180	147	98	24K5	7.1
	F 294	196	174	116	26K5	7.2
	F 319	213	189	126	26K6	7.7
	F 345	230	220	147	28K6	7.9
	F 357	238	210	140	26K7	8.4
	F 385	257	244	163	28K7	8.5
	F 414	276	276	188	30K7	8.6
	F 426	284	268	179	28K8	9.1
	F 457	305	305	206	30K8	9.4
	F 463	309	291	194	28K9	9.9
	F 498	332	332	223	30K9	10.1
	F 508	339	292	195	26K10	11.5
	F 550	367	342	228	28K10	11.6
	F 591	394	394	263	30K10	11.7
	F 610	407	405	270	30K11	12.3
F 651	434	434	354	36LH08	12.7	
F 661	441	441	318	32LH07	13.7	
F 717	478	478	346	32LH08	14.1	
F 726	484	457	305	28LH07	16.2	
F 832	555	555	451	36LH09	15.5	
F 900	600	600	432	32LH09	17.3	
F 918	612	612	499	36LH10	17.2	
F 1002	668	668	543	36LH11	18.4	
F 1090	727	727	522	32LH11	20.3	
F 1198	799	799	647	36LH12	22.4	
F 1279	853	853	610	32LH12	24.2	
F 1410	940	940	758	36LH13	24.9	
F 1426	951	951	678	32LH13	26.6	
F 1470	980	980	698	32LH14	26.7	
F 1554	1036	1036	833	36LH14	27.3	
F 1638	1092	1092	877	36LH15	29.5	
44	F 208	139	102	68	22K4	6.4
	F 229	153	123	82	24K4	6.5
	F 235	157	114	76	22K5	7.0
	F 258	172	138	92	24K5	7.1
	F 280	187	162	108	26K5	7.2
	F 306	204	177	118	26K6	7.7
	F 330	220	205	137	28K6	7.9
	F 340	227	196	131	26K7	8.4
	F 367	245	228	152	28K7	8.5
	F 394	263	263	176	30K7	8.6
	F 406	271	250	167	28K8	9.1
	F 436	291	288	192	30K8	9.3
	F 442	295	271	181	28K9	9.9
	F 475	317	312	208	30K9	10.0
	F 486	324	273	182	26K10	11.3
	F 525	350	318	212	28K10	11.5
	F 564	376	367	245	30K10	11.6
F 573	382	382	273	32LH06	12.3	



Economical Load Tables

Joist Span (ft.)	Total Load (plf)		Live Load (plf)		Joist Designation	Joist Wgt. (plf)
	Factored	Service				
	LRFD	ASD	1/240	1/360		
44 (cont.)	F 577	385	385	309	36LH07	12.1
	F 597	398	387	258	30K11	13.0
	F 636	424	424	338	36LH08	12.9
	F 646	431	431	304	32LH07	13.8
	F 700	467	467	330	32LH08	15.0
	F 744	496	457	305	28LH08	16.3
	F 814	543	543	431	36LH09	16.1
	F 897	598	598	476	36LH10	17.1
	F 979	653	653	518	36LH11	18.4
	F 1065	710	710	498	32LH11	21.7
	F 1171	781	781	617	36LH12	22.3
	F 1251	834	834	582	32LH12	24.1
	F 1377	918	918	724	36LH13	24.6
	F 1395	930	930	647	32LH13	26.5
	F 1435	957	957	666	32LH14	27.5
	F 1518	1012	1012	795	36LH14	27.2
F 1600	1067	1067	837	36LH15	30.0	
45	F 219	146	114	76	24K4	6.5
	F 246	164	129	86	24K5	7.1
	F 268	179	151	101	26K5	7.2
	F 291	194	165	110	26K6	7.7
	F 315	210	192	128	28K6	7.8
	F 325	217	183	122	26K7	8.4
	F 351	234	213	142	28K7	8.5
	F 376	251	246	164	30K7	8.5
	F 388	259	234	156	28K8	9.2
	F 417	278	268	179	30K8	9.3
	F 423	282	253	169	28K9	9.9
	F 454	303	292	195	30K9	10.1
	F 465	310	255	170	26K10	11.3
	F 501	334	297	198	28K10	11.5
	F 538	359	343	229	30K10	11.6
	F 564	376	376	295	36LH07	12.3
	F 583	389	369	246	30K11	13.0
	F 621	414	414	323	36LH08	12.9
	F 631	421	421	291	32LH07	14.3
	F 685	457	457	315	32LH08	15.0
F 796	531	531	412	36LH09	16.0	
F 876	584	584	455	36LH10	17.6	
F 957	638	638	495	36LH11	18.3	
F 1041	694	694	476	32LH11	21.6	
F 1144	763	763	590	36LH12	22.1	
F 1222	815	815	556	32LH12	24.1	
F 1252	835	742	495	28LH13	27.3	
F 1347	898	898	692	36LH13	25.8	
F 1363	909	909	618	32LH13	27.5	
F 1404	936	936	637	32LH14	29.1	
F 1450	967	967	658	32LH15	29.2	
F 1483	989	989	760	36LH14	28.6	
F 1564	1043	1043	800	36LH15	29.9	
46	F 208	139	106	71	24K4	6.5

F = FACTORED Load

Joist Span (ft.)	Total Load (plf)		Live Load (plf)		Joist Designation	Joist Wgt. (plf)
	Factored	Service				
	LRFD	ASD	1/240	1/360		
46 (cont.)	F 235	157	120	80	24K5	7.1
	F 256	171	142	95	26K5	7.2
	F 279	186	154	103	26K6	7.7
	F 301	201	180	120	28K6	7.8
	F 336	224	199	133	28K7	8.5
	F 361	241	229	153	30K7	8.6
	F 372	248	219	146	28K8	9.1
	F 399	266	252	168	30K8	9.2
	F 405	270	237	158	28K9	10.1
	F 435	290	273	182	30K9	10.3
	F 444	296	238	159	26K10	11.3
	F 480	320	279	186	28K10	11.5
	F 516	344	321	214	30K10	11.7
	F 549	366	366	250	32LH06	12.7
	F 552	368	368	282	36LH07	12.3
	F 570	380	354	236	30K11	13.1
	F 607	405	405	309	36LH08	12.8
	F 618	412	412	278	32LH07	14.1
	F 670	447	447	302	32LH08	14.9
	F 684	456	402	268	28LH08	16.3
F 778	519	519	394	36LH09	15.9	
F 856	571	571	435	36LH10	17.6	
F 936	624	624	474	36LH11	19.8	
F 1018	679	679	455	32LH11	22.0	
F 1120	747	747	564	36LH12	22.2	
F 1195	797	797	532	32LH12	25.5	
F 1317	878	878	662	36LH13	26.0	
F 1333	889	886	591	32LH13	29.0	
F 1372	915	913	609	32LH14	29.1	
F 1419	946	943	629	32LH15	29.3	
F 1452	968	968	727	36LH14	29.6	
F 1530	1020	1020	765	36LH15	29.7	
47	F 199	133	100	67	24K4	6.4
	F 225	150	112	75	24K5	7.1
	F 246	164	133	89	26K5	7.2
	F 267	178	144	96	26K6	7.7
	F 288	192	168	112	28K6	7.8
	F 298	199	160	107	26K7	8.3
	F 321	214	187	125	28K7	8.5
	F 345	230	216	144	30K7	8.6
	F 355	237	204	136	28K8	9.1
	F 382	255	235	157	30K8	9.3
	F 387	258	222	148	28K9	9.9
	F 415	277	256	171	30K9	10.1
	F 426	284	223	149	26K10	11.3
	F 459	306	261	174	28K10	11.3
	F 493	329	301	201	30K10	11.7
	F 540	360	360	270	36LH07	12.3
F 558	372	339	226	30K11	13.1	
F 594	396	396	296	36LH08	12.8	
F 604	403	399	266	32LH07	14.1	



Economical Load Tables

Joist Span (ft.)	Total Load (plf)		Live Load (plf)		Joist Designation	Joist Wgt. (plf)	
	Factored	Service	1/240	1/360			
	LRFD	ASD					
47 (cont.)	F 655	437	433	289	32LH08	15.7	
	F 762	508	508	377	36LH09	15.8	
	F 838	559	559	417	36LH10	17.4	
	F 916	611	611	454	36LH11	19.7	
	F 996	664	654	436	32LH11	22.4	
	F 1096	731	731	541	36LH12	22.5	
	F 1170	780	765	510	32LH12	25.4	
	F 1288	859	859	634	36LH13	26.5	
	F 1305	870	849	566	32LH13	29.4	
	F 1344	896	874	583	32LH14	29.5	
	F 1420	947	947	696	36LH14	29.4	
	F 1498	999	999	733	36LH15	29.6	
	48	F 192	128	94	63	24K4	6.5
		F 216	144	105	70	24K5	7.1
F 235		157	124	83	26K5	7.2	
F 256		171	135	90	26K6	7.7	
F 276		184	157	105	28K6	7.7	
F 285		190	150	100	26K7	8.3	
F 309		206	175	117	28K7	8.5	
F 331		221	202	135	30K7	8.6	
F 340		227	192	128	28K8	9.1	
F 366		244	222	148	30K8	9.3	
F 370		247	208	139	28K9	9.8	
F 399		266	240	160	30K9	10.0	
F 408		272	210	140	26K10	11.3	
F 441		294	244	163	28K10	11.3	
F 472		315	282	188	30K10	11.6	
F 528		352	352	259	36LH07	12.3	
F 543		362	322	215	30K11	13.1	
F 547		365	324	216	30K12	13.1	
F 582		388	388	284	36LH08	13.7	
F 591		394	382	255	32LH07	14.6	
F 642		428	415	277	32LH08	15.7	
F 745		497	497	361	36LH09	15.7	
F 754		503	503	410	40LH10	16.5	
F 825		550	550	444	40LH11	17.3	
F 897		598	598	435	36LH11	19.7	
F 1003		669	669	541	40LH12	20.6	
F 1072		715	715	518	36LH12	22.4	
F 1183		789	789	634	40LH13	24.0	
F 1261	841	841	607	36LH13	26.5		
F 1353	902	902	727	40LH14	26.4		
F 1390	927	927	667	36LH14	29.4		
F 1467	978	978	703	36LH15	29.6		
F 1513	1009	1009	810	40LH15	30.2		
F 1668	1112	1112	890	40LH16	31.8		
49	F 225	150	117	78	26K5	7.2	
	F 246	164	127	85	26K6	7.7	
	F 265	177	148	99	28K6	7.8	
	F 274	183	141	94	26K7	8.3	
	F 295	197	165	110	28K7	8.5	

F = FACTORED Load

Joist Span (ft.)	Total Load (plf)		Live Load (plf)		Joist Designation	Joist Wgt. (plf)
	Factored	Service	1/240	1/360		
	LRFD	ASD				
49 (cont.)	F 318	212	190	127	30K7	8.5
	F 327	218	180	120	28K8	9.1
	F 351	234	208	139	30K8	9.2
	F 355	237	195	130	28K9	9.8
	F 382	255	225	150	30K9	10.0
	F 391	261	196	131	26K10	11.2
	F 423	282	229	153	28K10	11.4
	F 454	303	265	177	30K10	11.6
	F 520	347	303	202	30K11	13.0
	F 535	357	310	207	30K12	13.7
	F 570	380	380	272	36LH08	14.2
	F 579	386	367	245	32LH07	14.7
	F 628	419	399	266	32LH08	15.7
	F 672	448	448	357	40LH09	15.6
	F 730	487	487	347	36LH09	17.1
	F 739	493	493	393	40LH10	16.4
	F 807	538	538	426	40LH11	17.2
	F 879	586	586	417	36LH11	19.7
	F 982	655	655	519	40LH12	20.4
F 1051	701	701	497	36LH12	23.1	
F 1159	773	773	609	40LH13	23.8	
F 1236	824	824	583	36LH13	26.5	
F 1326	884	884	697	40LH14	27.1	
F 1362	908	908	640	36LH14	29.2	
F 1482	988	988	777	40LH15	30.3	
F 1633	1089	1089	854	40LH16	34.3	
50	F 216	144	109	73	26K5	7.2
	F 255	170	139	93	28K6	7.7
	F 262	175	133	89	26K7	8.4
	F 283	189	154	103	28K7	8.5
	F 304	203	178	119	30K7	8.6
	F 313	209	169	113	28K8	9.1
	F 337	225	195	130	30K8	9.2
	F 342	228	184	123	28K9	9.8
	F 367	245	211	141	30K9	9.9
	F 405	270	216	144	28K10	11.3
	F 436	291	249	166	30K10	11.5
	F 499	333	285	190	30K11	13.1
	F 507	338	316	211	32LH06	13.3
	F 525	350	277	185	28K12	14.3
	F 558	372	372	262	36LH08	14.3
	F 568	379	352	235	32LH07	14.6
	F 580	387	313	209	28LH08	16.3
	F 616	411	382	255	32LH08	16.2
	F 658	439	439	343	40LH09	15.5
	F 715	477	477	333	36LH09	17.0
F 724	483	483	378	40LH10	16.3	
F 790	527	527	409	40LH11	17.7	
F 861	574	574	400	36LH11	19.7	
F 963	642	642	498	40LH12	21.4	
F 1030	687	687	477	36LH12	23.9	



Economical Load Tables

Joist Span (ft.)	Total Load (plf)		Live Load (plf)		Joist Designation	Joist Wgt. (plf)
	Factored	Service	1/240	1/360		
	LRFD	ASD				
50 (cont.)	F 1135	757	757	584	40LH13	23.6
	F 1210	807	807	559	36LH13	27.9
	F 1299	866	866	669	40LH14	28.6
	F 1335	890	890	615	36LH14	29.2
	F 1407	938	938	647	36LH15	31.6
	F 1452	968	968	746	40LH15	31.4
	F 1600	1067	1067	820	40LH16	34.2
51	F 208	139	103	69	26K5	7.1
	F 226	151	112	75	26K6	7.7
	F 244	163	132	88	28K6	7.8
	F 252	168	124	83	26K7	8.3
	F 273	182	145	97	28K7	8.4
	F 292	195	168	112	30K7	8.6
	F 301	201	159	106	28K8	9.2
	F 324	216	184	123	30K8	9.3
	F 328	219	172	115	28K9	9.9
	F 352	235	199	133	30K9	10.0
	F 355	237	189	126	28LH05	11.0
	F 361	241	174	116	26K10	11.3
	F 390	260	204	136	28K10	11.4
	F 418	279	235	157	30K10	11.5
	F 480	320	268	179	30K11	13.1
	F 498	332	332	229	36LH07	12.9
	F 507	338	262	175	28K12	14.4
	F 514	343	288	192	30K12	14.5
	F 547	365	365	251	36LH08	14.2
	F 549	366	334	223	32LH07	14.6
	F 556	371	294	196	28LH08	16.1
	F 595	397	363	242	32LH08	16.2
	F 645	430	430	329	40LH09	15.6
	F 711	474	474	363	40LH10	16.9
F 775	517	517	393	40LH11	17.8	
F 843	562	562	385	36LH11	21.0	
F 903	602	544	363	32LH11	22.9	
F 945	630	630	479	40LH12	22.3	
F 1009	673	673	459	36LH12	24.6	
F 1113	742	742	562	40LH13	24.4	
F 1186	791	791	538	36LH13	28.0	
F 1273	849	849	643	40LH14	28.4	
F 1308	872	872	591	36LH14	30.3	
F 1380	920	920	622	36LH15	31.7	
F 1423	949	949	717	40LH15	30.9	
F 1569	1046	1046	788	40LH16	34.0	
52	F 199	133	97	65	26K5	7.1
	F 217	145	106	71	26K6	7.7
	F 235	157	124	83	28K6	7.8
	F 243	162	118	79	26K7	8.3
	F 262	175	138	92	28K7	8.4
	F 282	188	159	106	30K7	8.6
	F 289	193	150	100	28K8	9.2
	F 312	208	174	116	30K8	9.2

F = FACTORED Load

Joist Span (ft.)	Total Load (plf)		Live Load (plf)		Joist Designation	Joist Wgt. (plf)
	Factored	Service	1/240	1/360		
	LRFD	ASD				
52 (cont.)	F 315	210	163	109	28K9	9.8
	F 339	226	189	126	30K9	10.0
	F 342	228	178	119	28LH05	11.0
	F 346	231	165	110	26K10	11.2
	F 375	250	192	128	28K10	11.4
	F 402	268	222	148	30K10	11.5
	F 462	308	253	169	30K11	13.1
	F 487	325	325	220	36LH07	12.9
	F 504	336	276	184	30K12	14.5
	F 537	358	358	242	36LH08	14.2
	F 574	383	343	229	32LH08	16.1
	F 633	422	422	317	40LH09	15.5
	F 696	464	464	349	40LH10	16.9
	F 760	507	507	378	40LH11	17.7
	F 828	552	552	370	36LH11	20.6
	F 925	617	617	460	40LH12	22.2
F 990	660	660	441	36LH12	24.3	
F 1092	728	728	540	40LH13	24.3	
F 1164	776	775	517	36LH13	27.8	
F 1248	832	832	619	40LH14	28.1	
F 1282	855	852	568	36LH14	30.9	
F 1396	931	931	690	40LH15	30.8	
F 1539	1026	1026	758	40LH16	33.9	
53	F 226	151	117	78	28K6	7.8
	F 252	168	130	87	28K7	8.4
	F 271	181	150	100	30K7	8.6
	F 279	186	142	95	28K8	9.1
	F 300	200	163	109	30K8	9.2
	F 304	203	154	103	28K9	10.2
	F 327	218	178	119	30K9	10.3
	F 330	220	169	113	28LH05	11.0
	F 360	240	181	121	28K10	11.4
	F 387	258	210	140	30K10	11.5
	F 444	296	238	159	30K11	13.1
	F 456	304	268	179	32LH06	13.2
	F 472	315	315	233	40LH08	12.5
	F 478	319	318	212	36LH07	13.4
	F 495	330	265	177	30K12	14.5
	F 526	351	349	233	36LH08	14.1
	F 570	380	380	309	44LH09	14.2
	F 621	414	414	305	40LH09	16.0
	F 630	420	420	340	44LH10	15.7
	F 675	450	444	296	36LH09	17.4
F 684	456	456	336	40LH10	17.0	
F 744	496	490	327	36LH10	18.8	
F 745	497	497	364	40LH11	19.0	
F 811	541	534	356	36LH11	20.6	
F 843	562	562	454	44LH12	19.6	
F 909	606	606	443	40LH12	22.3	
F 999	666	666	538	44LH13	22.5	
F 1071	714	714	520	40LH13	25.6	



Economical Load Tables

Joist Span (ft.)	Total Load (plf)		Live Load (plf)		Joist Designation	Joist Wgt. (plf)
	Factored	Service	1/240	1/360		
	LRFD	ASD				
53 (cont.)	F 1150	767	767	616	44LH14	26.4
	F 1224	816	816	595	40LH14	28.9
	F 1338	892	892	716	44LH15	29.4
	F 1369	913	913	664	40LH15	31.8
	F 1509	1006	1006	729	40LH16	34.6
	F 1543	1029	1029	824	44LH16	34.6
	F 1657	1105	1105	880	44LH17	39.2
	54	F 217	145	111	74	28K6
F 243		162	123	82	28K7	8.4
F 261		174	141	94	30K7	8.5
F 268		179	133	89	28K8	9.2
F 288		192	154	103	30K8	9.2
F 292		195	145	97	28K9	9.8
F 313		209	168	112	30K9	9.9
F 319		213	160	107	28LH05	11.3
F 348		232	171	114	28K10	11.3
F 373		249	198	132	30K10	11.5
F 427		285	225	150	30K11	13.0
F 441		294	253	169	32LH06	13.2
F 469		313	306	204	36LH07	13.3
F 486		324	255	170	30K12	14.6
F 517		345	336	224	36LH08	14.4
F 559		373	373	298	44LH09	14.1
F 609		406	406	293	40LH09	15.9
F 618		412	412	328	44LH10	15.6
F 663		442	427	285	36LH09	18.0
F 670		447	447	323	40LH10	17.5
F 732		488	488	350	40LH11	18.2
F 796		531	514	343	36LH11	20.5
F 828		552	552	437	44LH12	19.5
F 891		594	594	427	40LH12	22.2
F 952		635	613	409	36LH12	25.0
F 981		654	654	518	44LH13	23.5
F 1051		701	701	501	40LH13	25.5
F 1129		753	753	594	44LH14	26.2
F 1201		801	801	573	40LH14	29.1
F 1314		876	876	690	44LH15	30.2
F 1344		896	896	639	40LH15	31.7
F 1482		988	988	702	40LH16	34.6
F 1515	1010	1010	793	44LH16	34.6	
F 1626	1084	1084	848	44LH17	39.3	
55	F 210	140	105	70	28K6	7.7
	F 234	156	115	77	28K7	8.4
	F 252	168	133	89	30K7	8.5
	F 259	173	127	85	28K8	9.1
	F 277	185	147	98	30K8	9.2
	F 282	188	138	92	28K9	9.8
	F 303	202	159	106	30K9	10.0
	F 309	206	153	102	28LH05	11.2
	F 334	223	162	108	28K10	11.4
	F 360	240	187	125	30K10	11.5

F = FACTORED Load

Joist Span (ft.)	Total Load (plf)		Live Load (plf)		Joist Designation	Joist Wgt. (plf)
	Factored	Service	1/240	1/360		
	LRFD	ASD				
55 (cont.)	F 412	275	213	142	30K11	13.1
	F 426	284	241	161	32LH06	13.3
	F 460	307	295	197	36LH07	13.3
	F 468	312	241	161	30K12	14.5
	F 477	318	268	179	32LH07	14.7
	F 507	338	324	216	36LH08	14.9
	F 517	345	291	194	32LH08	16.1
	F 549	366	366	287	44LH09	14.7
	F 606	404	404	316	44LH10	15.7
	F 651	434	412	275	36LH09	18.0
	F 655	437	437	341	44LH11	17.0
	F 658	439	439	312	40LH10	18.7
	F 718	479	479	338	40LH11	18.9
	F 811	541	541	421	44LH12	20.1
	F 876	584	584	411	40LH12	21.9
	F 963	642	642	499	44LH13	23.3
	F 1032	688	688	482	40LH13	25.5
F 1108	739	739	572	44LH14	26.2	
F 1180	787	787	553	40LH14	29.1	
F 1290	860	860	665	44LH15	30.2	
F 1320	880	880	616	40LH15	31.9	
F 1453	969	969	677	40LH16	34.8	
F 1486	991	991	764	44LH16	34.6	
F 1597	1065	1065	817	44LH17	39.4	
56	F 202	135	99	66	28K6	7.7
	F 226	151	109	73	28K7	8.4
	F 243	162	126	84	30K7	8.5
	F 249	166	120	80	28K8	9.0
	F 268	179	138	92	30K8	9.2
	F 271	181	130	87	28K9	9.8
	F 292	195	150	100	30K9	10.0
	F 298	199	145	97	28LH05	11.3
	F 322	215	153	102	28K10	11.3
	F 346	231	177	118	30K10	11.4
	F 412	275	229	153	32LH06	13.1
	F 447	298	298	209	40LH08	13.0
	F 453	302	285	190	36LH07	14.1
	F 462	308	255	170	32LH07	14.6
	F 498	332	312	208	36LH08	14.8
	F 499	333	276	184	32LH08	16.1
	F 538	359	359	277	44LH09	14.7
F 595	397	397	305	44LH10	15.6	
F 643	429	429	329	44LH11	17.0	
F 646	431	431	301	40LH10	18.1	
F 706	471	471	326	40LH11	19.4	
F 798	532	532	406	44LH12	19.9	
F 859	573	573	397	40LH12	22.8	
F 919	613	570	380	36LH12	25.0	
F 946	631	631	482	44LH13	23.8	
F 1089	726	726	552	44LH14	26.0	
F 1158	772	772	533	40LH14	29.2	



Economical Load Tables

Joist Span (ft.)	Total Load (plf)		Live Load (plf)		Joist Designation	Joist Wgt. (plf)
	Factored	Service	1/240	1/360		
	LRFD	ASD				
56 (cont.)	F 1266	844	844	641	44LH15	30.9
	F 1296	864	864	594	40LH15	32.9
	F 1461	974	974	737	44LH16	34.3
	F 1567	1045	1045	788	44LH17	39.8
57	F 234	156	120	80	30K7	8.5
	F 259	173	132	88	30K8	9.2
	F 282	188	142	95	30K9	9.9
	F 334	223	168	112	30K10	11.4
	F 384	256	192	128	30K11	13.1
	F 399	266	217	145	32LH06	13.2
	F 439	293	293	201	40LH08	12.9
	F 447	298	243	162	32LH07	14.7
	F 489	326	301	201	36LH08	14.9
	F 529	353	353	267	44LH09	14.6
	F 577	385	385	263	40LH09	16.4
	F 585	390	390	294	44LH10	16.2
	F 633	422	422	318	44LH11	17.0
	F 636	424	424	290	40LH10	18.0
	F 693	462	462	314	40LH11	19.3
	F 783	522	522	392	44LH12	19.9
	F 844	563	563	383	40LH12	22.6
	F 868	579	579	474	48LH13	21.8
	F 903	602	550	367	36LH12	25.0
	F 928	619	619	465	44LH13	23.7
F 994	663	663	449	40LH13	26.9	
F 1069	713	713	532	44LH14	26.9	
F 1138	759	759	514	40LH14	29.8	
F 1243	829	829	619	44LH15	31.0	
F 1273	849	849	573	40LH15	32.6	
F 1357	905	905	737	48LH16	32.1	
F 1434	956	956	711	44LH16	34.2	
F 1524	1016	1016	825	48LH17	38.5	
F 1540	1027	1027	760	44LH17	39.7	
58	F 226	151	114	76	30K7	8.5
	F 250	167	124	83	30K8	9.2
	F 271	181	135	90	30K9	9.9
	F 322	215	159	106	30K10	11.4
	F 370	247	181	121	30K11	12.8
	F 385	257	207	138	32LH06	13.2
	F 432	288	288	195	40LH08	12.9
	F 438	292	265	177	36LH07	14.1
	F 481	321	291	194	36LH08	14.8
	F 520	347	347	283	48LH10	14.2
	F 567	378	378	254	40LH09	16.4
	F 624	416	416	280	40LH10	17.9
	F 681	454	409	273	36LH10	20.1
	F 769	513	513	379	44LH12	19.8
	F 829	553	553	370	40LH12	22.7
	F 853	569	569	457	48LH13	21.7
	F 913	609	609	449	44LH13	23.5
	F 978	652	651	434	40LH13	26.7

F = FACTORED Load

Joist Span (ft.)	Total Load (plf)		Live Load (plf)		Joist Designation	Joist Wgt. (plf)
	Factored	Service	1/240	1/360		
	LRFD	ASD				
58 (cont.)	F 1051	701	701	514	44LH14	26.8
	F 1119	746	745	497	40LH14	30.5
	F 1222	815	815	597	44LH15	30.9
	F 1335	890	890	712	48LH16	32.2
	F 1410	940	940	687	44LH16	39.2
	F 1498	999	999	796	48LH17	39.3
	F 1513	1009	1009	734	44LH17	40.5
59	F 219	146	108	72	30K7	8.5
	F 241	161	118	79	30K8	9.3
	F 262	175	129	86	30K9	10.0
	F 312	208	151	101	30K10	11.5
	F 358	239	172	115	30K11	12.9
	F 373	249	196	131	32LH06	13.0
	F 424	283	282	188	40LH08	13.4
	F 466	311	277	185	36LH08	14.8
	F 511	341	341	273	48LH10	14.2
	F 558	372	369	246	40LH09	16.9
	F 565	377	377	274	44LH10	16.6
	F 613	409	406	271	40LH10	17.9
	F 660	440	390	260	36LH10	20.1
	F 670	447	439	293	40LH11	20.0
	F 757	505	505	366	44LH12	19.8
	F 838	559	559	442	48LH13	21.7
	F 897	598	598	434	44LH13	23.3
	F 961	641	628	419	40LH13	26.6
F 1033	689	689	497	44LH14	26.7	
F 1099	733	720	480	40LH14	30.6	
F 1137	758	758	597	48LH15	29.2	
F 1201	801	801	577	44LH15	30.9	
F 1230	820	802	535	40LH15	34.4	
F 1311	874	874	688	48LH16	33.6	
F 1386	924	924	664	44LH16	39.2	
F 1473	982	982	769	48LH17	39.4	
F 1488	992	992	710	44LH17	40.5	
60	F 211	141	103	69	30K7	8.6
	F 234	156	112	75	30K8	9.3
	F 253	169	121	81	30K9	10.1
	F 301	201	144	96	30K10	11.5
	F 346	231	163	109	30K11	13.0
	F 363	242	187	125	32LH06	13.2
	F 417	278	273	182	40LH08	13.5
	F 453	302	264	176	36LH08	15.0
	F 502	335	335	264	48LH10	14.8
	F 547	365	355	237	40LH09	16.9
	F 555	370	370	265	44LH10	16.8
	F 579	386	336	224	36LH09	18.7
	F 603	402	393	262	40LH10	18.5
	F 639	426	372	248	36LH10	20.3
	F 658	439	424	283	40LH11	20.0
	F 688	459	459	358	48LH12	19.5
	F 697	465	403	269	36LH11	22.2



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Economical Load Tables

Joist Span (ft.)	Total Load (plf)		Live Load (plf)		Joist Designation	Joist Wgt. (plf)	
	Factored	Service					
	LRFD	ASD	1/240	1/360			
60 (cont.)	F	744	496	496	354	44LH12	21.4
	F	825	550	550	427	48LH13	22.3
	F	882	588	588	419	44LH13	25.3
	F	945	630	607	405	40LH13	27.6
	F	973	649	649	504	48LH14	26.4
	F	1015	677	677	480	44LH14	28.2
	F	1119	746	746	577	48LH15	29.2
	F	1182	788	788	558	44LH15	32.1
	F	1209	806	775	517	40LH15	34.5
	F	1290	860	860	665	48LH16	34.7
	F	1362	908	908	642	44LH16	39.1
	F	1462	975	975	686	44LH17	40.6
61	F	351	234	178	119	32LH06	13.1
	F	411	274	264	176	40LH08	13.4
	F	439	293	252	168	36LH08	14.9
	F	495	330	330	233	44LH09	16.0
	F	546	364	364	257	44LH10	16.7
	F	561	374	321	214	36LH09	18.6
	F	591	394	394	277	44LH11	18.2
	F	619	413	354	236	36LH10	20.2
	F	648	432	411	274	40LH11	20.6
	F	678	452	452	346	48LH12	19.3
	F	732	488	488	342	44LH12	21.9
	F	811	541	541	413	48LH13	22.4
	F	868	579	579	405	44LH13	25.1
	F	930	620	588	392	40LH13	27.6
	F	957	638	638	487	48LH14	26.0
	F	999	666	666	464	44LH14	28.4
	F	1099	733	733	558	48LH15	28.8
	F	1162	775	775	540	44LH15	33.3
F	1189	793	750	500	40LH15	34.6	
F	1269	846	846	643	48LH16	34.4	
F	1339	893	893	621	44LH16	39.0	
F	1438	959	959	664	44LH17	40.7	
62	F	340	227	171	114	32LH06	13.1
	F	387	258	219	146	36LH07	14.2
	F	426	284	240	160	36LH08	14.9
	F	486	324	324	247	48LH10	15.4
	F	537	358	358	248	44LH10	16.8
	F	544	363	306	204	36LH09	18.5
	F	582	388	388	268	44LH11	18.1
	F	601	401	337	225	36LH10	20.1
	F	637	425	397	265	40LH11	20.6
	F	666	444	444	335	48LH12	19.3
	F	720	480	480	331	44LH12	22.1
	F	798	532	532	400	48LH13	22.3
	F	853	569	569	392	44LH13	24.9
	F	915	610	568	379	40LH13	27.5
	F	942	628	628	472	48LH14	26.2
	F	966	644	644	522	52DLH13	26.4
	F	982	655	655	450	44LH14	30.0

F = FACTORED Load

Joist Span (ft.)	Total Load (plf)		Live Load (plf)		Joist Designation	Joist Wgt. (plf)	
	Factored	Service					
	LRFD	ASD	1/240	1/360			
62 (cont.)	F	1045	697	651	434	40LH14	31.8
	F	1083	722	722	540	48LH15	29.7
	F	1104	736	736	584	52DLH14	29.7
	F	1143	762	762	522	44LH15	33.0
	F	1170	780	726	484	40LH15	35.7
	F	1248	832	832	623	48LH16	34.3
	F	1338	892	892	732	52DLH16	35.3
	F	1416	944	944	642	44LH17	40.8
	F	1539	1026	1026	835	52DLH17	41.2
	63	F	330	220	162	108	32LH06
F		376	251	210	140	36LH07	14.3
F		400	267	196	131	32LH08	16.3
F		478	319	319	218	44LH09	16.5
F		529	353	353	240	44LH10	16.7
F		571	381	381	260	44LH11	18.0
F		574	383	355	237	40LH10	19.2
F		583	389	322	215	36LH10	20.0
F		627	418	385	257	40LH11	20.6
F		655	437	437	324	48LH12	19.3
F		708	472	472	321	44LH12	22.0
F		784	523	523	387	48LH13	22.3
F		840	560	560	380	44LH13	24.9
F		927	618	618	457	48LH14	26.0
F		949	633	633	506	52DLH13	27.1
F		967	645	645	435	44LH14	29.8
F		1029	686	631	421	40LH14	31.9
F		1065	710	710	523	48LH15	30.0
F		1086	724	724	565	52DLH14	29.8
F		1125	750	750	506	44LH15	32.8
F	1152	768	703	469	40LH15	35.6	
F	1228	819	819	603	48LH16	34.3	
F	1317	878	878	708	52DLH16	35.3	
F	1378	919	919	674	48LH17	39.8	
F	1393	929	929	622	44LH17	41.7	
F	1515	1010	1010	809	52DLH17	41.6	
64	F	321	214	156	104	32LH06	13.1
	F	366	244	201	134	36LH07	14.2
	F	402	268	219	146	36LH08	15.1
	F	471	314	314	212	44LH09	16.6
	F	511	341	341	250	48LH11	16.7
	F	513	342	279	186	36LH09	19.0
	F	520	347	347	233	44LH10	18.0
	F	565	377	345	230	40LH10	19.1
	F	567	378	309	206	36LH10	20.2
	F	616	411	373	249	40LH11	20.5
	F	645	430	430	314	48LH12	19.8
	F	690	460	460	371	52DLH11	20.0
	F	697	465	465	311	44LH12	22.1
	F	771	514	514	405	52DLH12	22.0
	F	772	515	515	375	48LH13	23.2
F	826	551	551	368	44LH13	24.9	



Economical Load Tables

Joist Span (ft.)	Total Load (plf)		Live Load (plf)		Joist Designation	Joist Wgt. (plf)
	Factored	Service				
	LRFD	ASD	1/240	1/360		
64 (cont.)	F 912	608	608	443	48LH14	26.1
	F 936	624	624	490	52DLH13	27.0
	F 952	635	633	422	44LH14	29.7
	F 1048	699	699	507	48LH15	29.9
	F 1069	713	713	547	52DLH14	29.8
	F 1107	738	735	490	44LH15	32.3
	F 1132	755	681	454	40LH15	35.7
	F 1209	806	806	584	48LH16	34.4
	F 1276	851	846	564	44LH16	40.6
	F 1296	864	864	686	52DLH16	39.4
	F 1357	905	905	653	48LH17	40.8
	F 1371	914	903	602	44LH17	42.0
F 1491	994	994	783	52DLH17	42.2	
65	F 355	237	192	128	36LH07	14.2
	F 390	260	210	140	36LH08	14.9
	F 463	309	307	205	44LH09	16.5
	F 505	337	303	202	40LH09	17.8
	F 513	342	339	226	44LH10	18.3
	F 550	367	295	197	36LH10	20.2
	F 556	371	334	223	40LH10	19.7
	F 607	405	361	241	40LH11	21.8
	F 636	424	424	305	48LH12	20.7
	F 679	453	453	360	52DLH11	20.5
	F 687	458	451	301	44LH12	22.4
	F 760	507	507	364	48LH13	23.2
	F 814	543	535	357	44LH13	26.8
	F 871	581	517	345	40LH13	29.2
	F 921	614	614	475	52DLH13	26.9
	F 937	625	613	409	44LH14	29.5
	F 1032	688	688	491	48LH15	30.7
	F 1053	702	702	531	52DLH14	29.6
F 1090	727	712	475	44LH15	34.6	
F 1189	793	793	566	48LH16	34.3	
F 1257	838	819	546	44LH16	40.5	
F 1336	891	891	633	48LH17	40.4	
F 1350	900	876	584	44LH17	42.0	
F 1468	979	979	759	52DLH17	42.2	
66	F 345	230	183	122	36LH07	14.1
	F 379	253	201	134	36LH08	14.8
	F 381	254	225	150	40LH08	14.4
	F 457	305	305	218	48LH10	15.9
	F 495	330	330	235	48LH11	16.6
	F 498	332	294	196	40LH09	18.2
	F 535	357	282	188	36LH10	20.1
	F 550	367	324	216	40LH10	19.7
	F 598	399	351	234	40LH11	21.8
	F 625	417	417	295	48LH12	20.6
	F 669	446	446	349	52DLH11	20.4
	F 676	451	438	292	44LH12	22.4
	F 747	498	498	380	52DLH12	22.6
	F 748	499	499	353	48LH13	24.4

F = FACTORED Load

Joist Span (ft.)	Total Load (plf)		Live Load (plf)		Joist Designation	Joist Wgt. (plf)
	Factored	Service				
	LRFD	ASD	1/240	1/360		
66 (cont.)	F 801	534	519	346	44LH13	26.8
	F 859	573	501	334	40LH13	29.2
	F 907	605	605	461	52DLH13	26.8
	F 922	615	594	396	44LH14	29.6
	F 1017	678	678	476	48LH15	31.2
	F 1036	691	691	515	52DLH14	31.5
	F 1074	716	691	461	44LH15	34.6
	F 1165	777	777	580	52DLH15	34.5
	F 1171	781	781	549	48LH16	36.1
	F 1257	838	838	645	52DLH16	38.9
	F 1315	877	877	614	48LH17	40.4
	F 1329	886	849	566	44LH17	42.0
	F 1446	964	964	736	52DLH17	41.5
	67	F 336	224	175	117	36LH07
F 369		246	192	128	36LH08	14.7
F 370		247	216	144	40LH08	14.3
F 450		300	300	212	48LH10	15.8
F 487		325	325	228	48LH11	16.7
F 496		331	318	212	44LH10	19.0
F 520		347	270	180	36LH10	20.2
F 535		357	310	207	40LH10	19.6
F 537		358	345	230	44LH11	19.8
F 582		388	336	224	40LH11	21.7
F 616		411	411	287	48LH12	20.5
F 658		439	439	338	52DLH11	20.4
F 666		444	424	283	44LH12	22.3
F 735		490	490	369	52DLH12	22.5
F 738		492	492	342	48LH13	24.3
F 789		526	504	336	44LH13	26.8
F 835		557	480	320	40LH13	29.1
F 892		595	595	447	52DLH13	26.7
F 909	606	577	385	44LH14	29.6	
F 1000	667	667	462	48LH15	32.2	
F 1021	681	681	499	52DLH14	31.4	
F 1057	705	670	447	44LH15	34.6	
F 1147	765	765	563	52DLH15	34.5	
F 1153	769	769	533	48LH16	36.0	
F 1296	864	864	596	48LH17	40.5	
F 1423	949	949	715	52DLH17	41.4	
68	F 327	218	168	112	36LH07	14.0
	F 358	239	184	123	36LH08	14.9
	F 361	241	207	138	40LH08	14.8
	F 444	296	296	205	48LH10	16.5
	F 459	306	235	157	36LH09	18.6
	F 481	321	321	221	48LH11	16.6
	F 490	327	309	206	44LH10	19.0
	F 520	347	297	198	40LH10	19.5
	F 529	353	334	223	44LH11	19.8
	F 567	378	322	215	40LH11	21.8
	F 607	405	405	278	48LH12	20.4
	F 649	433	433	328	52DLH11	20.3



Economical Load Tables

Joist Span (ft.)	Total Load (plf)		Live Load (plf)		Joist Designation	Joist Wgt. (plf)
	Factored	Service				
	LRFD	ASD	1/240	1/360		
68 (cont.)	F 655	437	412	275	44LH12	22.3
	F 688	459	391	261	40LH12	25.0
	F 727	485	485	332	48LH13	24.2
	F 778	519	489	326	44LH13	26.8
	F 813	542	460	307	40LH13	29.1
	F 858	572	572	392	48LH14	27.6
	F 895	597	559	373	44LH14	29.6
	F 930	620	526	351	40LH14	32.8
	F 979	653	653	519	56DLH14	30.0
	F 1006	671	671	485	52DLH14	31.4
	F 1042	695	651	434	44LH15	34.6
	F 1131	754	754	546	52DLH15	34.7
	F 1137	758	758	517	48LH16	39.3
	F 1276	851	851	578	48LH17	40.6
F 1402	935	935	694	52DLH17	41.6	
69	F 318	212	160	107	36LH07	14.3
	F 349	233	177	118	36LH08	15.0
	F 436	291	273	182	44LH09	16.4
	F 474	316	316	215	48LH11	16.7
	F 522	348	324	216	44LH11	19.2
	F 552	368	310	207	40LH11	21.6
	F 598	399	399	270	48LH12	20.3
	F 646	431	400	267	44LH12	23.0
	F 670	447	376	251	40LH12	25.0
	F 714	476	476	348	52DLH12	23.3
	F 717	478	478	322	48LH13	24.7
	F 766	511	475	317	44LH13	26.9
	F 846	564	564	380	48LH14	27.1
	F 882	588	544	363	44LH14	30.6
	F 904	603	504	336	40LH14	32.8
	F 966	644	644	504	56DLH14	29.8
	F 991	661	661	471	52DLH14	31.5
	F 1026	684	631	421	44LH15	34.7
F 1114	743	743	530	52DLH15	34.4	
F 1120	747	747	502	48LH16	39.6	
F 1183	789	727	485	44LH16	41.6	
F 1201	801	801	590	52DLH16	39.7	
F 1258	839	839	562	48LH17	42.3	
F 1383	922	922	674	52DLH17	42.5	
70	F 310	207	154	103	36LH07	14.2
	F 340	227	169	113	36LH08	15.7
	F 430	287	265	177	44LH09	16.4
	F 433	289	216	144	36LH09	18.6
	F 475	317	292	195	44LH10	17.9
	F 514	343	315	210	44LH11	19.1
	F 537	358	297	198	40LH11	21.6
	F 589	393	393	262	48LH12	20.8
	F 631	421	421	310	52DLH11	21.5
	F 637	425	388	259	44LH12	23.4
	F 652	435	361	241	40LH12	25.1
	F 706	471	469	313	48LH13	24.7

F = FACTORED Load

Joist Span (ft.)	Total Load (plf)		Live Load (plf)		Joist Designation	Joist Wgt. (plf)	
	Factored	Service					
	LRFD	ASD	1/240	1/360			
70 (cont.)	F 756	504	460	307	44LH13	27.1	
	F 771	514	424	283	40LH13	29.1	
	F 870	580	528	352	44LH14	30.6	
	F 880	587	484	323	40LH14	32.7	
	F 951	634	634	489	56DLH14	29.8	
	F 978	652	652	457	52DLH14	31.5	
	F 1012	675	613	409	44LH15	35.7	
	F 1087	725	725	552	56DLH15	33.9	
	F 1098	732	732	515	52DLH15	35.3	
	F 1167	778	706	471	44LH16	41.7	
	F 1183	789	789	573	52DLH16	39.6	
	F 1240	827	819	546	48LH17	42.2	
	F 1363	909	909	654	52DLH17	42.3	
	71	F 301	201	148	99	36LH07	14.1
		F 333	222	183	122	40LH08	14.5
		F 423	282	207	138	36LH09	18.8
		F 424	283	258	172	44LH09	17.8
F 436		291	240	160	40LH09	18.9	
F 469		313	283	189	44LH10	18.3	
F 507		338	306	204	44LH11	19.8	
F 582		388	382	255	48LH12	20.8	
F 597		398	398	323	56DLH11	19.9	
F 600		400	292	195	36LH12	24.9	
F 628		419	378	252	44LH12	24.1	
F 636		424	346	231	40LH12	25.5	
F 696		464	457	305	48LH13	24.6	
F 745		497	448	299	44LH13	28.0	
F 750		500	406	271	40LH13	30.4	
F 829		553	553	426	56DLH13	27.0	
F 843		562	562	398	52DLH13	28.8	
F 858		572	513	342	44LH14	31.9	
F 937	625	625	476	56DLH14	29.8		
F 945	630	616	411	48LH15	32.4		
F 963	642	642	444	52DLH14	32.7		
F 997	665	597	398	44LH15	35.7		
F 1072	715	715	537	56DLH15	34.0		
F 1083	722	722	501	52DLH15	36.3		
F 1167	778	778	557	52DLH16	39.7		
F 1222	815	795	530	48LH17	42.2		
F 1333	889	889	680	56DLH17	42.1		
F 1344	896	896	636	52DLH17	43.5		
F 1525	1017	1017	818	60DLH18	48.5		
72	F 294	196	142	95	36LH07	14.1	
	F 325	217	175	117	40LH08	14.5	
	F 412	275	199	133	36LH09	18.7	
	F 418	279	250	167	44LH09	17.8	
	F 424	283	229	153	40LH09	18.8	
	F 462	308	276	184	44LH10	19.7	
	F 469	313	253	169	40LH10	20.2	
	F 499	333	298	199	44LH11	19.8	
	F 573	382	372	248	48LH12	20.7	



Economical Load Tables

Joist Span (ft.)	Total Load (plf)		Live Load (plf)		Joist Designation	Joist Wgt. (plf)
	Factored	Service				
	LRFD	ASD	1/240	1/360		
72 (cont.)	F 588	392	392	314	56DLH11	19.8
	F 619	413	367	245	44LH12	24.1
	F 687	458	444	296	48LH13	24.6
	F 735	490	436	291	44LH13	27.8
	F 810	540	523	349	48LH14	29.2
	F 819	546	546	414	56DLH13	27.0
	F 831	554	554	387	52DLH13	29.5
	F 846	564	499	333	44LH14	32.0
	F 925	617	617	462	56DLH14	29.6
	F 931	621	600	400	48LH15	32.4
	F 949	633	633	432	52DLH14	32.4
	F 1057	705	705	522	56DLH15	34.9
	F 1068	712	712	487	52DLH15	36.1
	F 1150	767	767	542	52DLH16	39.7
	F 1206	804	774	516	48LH17	42.2
	F 1314	876	876	661	56DLH17	42.0
F 1324	883	883	618	52DLH17	43.4	
F 1504	1003	1003	796	60DLH18	48.2	
73	F 316	211	168	112	40LH08	14.4
	F 414	276	220	147	40LH09	18.8
	F 456	304	268	179	44LH10	19.5
	F 457	305	243	162	40LH10	20.2
	F 493	329	289	193	44LH11	19.8
	F 498	332	264	176	40LH11	22.2
	F 550	367	367	260	52DLH10	20.7
	F 565	377	361	241	48LH12	21.9
	F 580	387	387	305	56DLH11	20.5
	F 610	407	357	238	44LH12	24.1
	F 676	451	432	288	48LH13	24.6
	F 724	483	424	283	44LH13	27.9
	F 799	533	510	340	48LH14	29.3
	F 807	538	538	403	56DLH13	27.8
	F 819	546	546	376	52DLH13	29.4
	F 834	556	486	324	44LH14	32.0
	F 867	578	578	457	60DLH14	29.1
	F 918	612	583	389	48LH15	32.3
	F 937	625	625	420	52DLH14	33.4
	F 1042	695	695	508	56DLH15	34.6
F 1053	702	702	474	52DLH15	39.5	
F 1059	706	672	448	48LH16	40.3	
F 1135	757	757	527	52DLH16	40.6	
F 1189	793	751	501	48LH17	42.1	
F 1296	864	864	643	56DLH17	41.9	
F 1306	871	871	601	52DLH17	43.8	
F 1483	989	989	774	60DLH18	48.0	
74	F 309	206	162	108	40LH08	14.9
	F 406	271	259	173	48LH10	16.5
	F 408	272	237	158	44LH09	19.0
	F 450	300	261	174	44LH10	19.5
	F 487	325	282	188	44LH11	20.4
	F 543	362	362	253	52DLH10	20.6

F = FACTORED Load

Joist Span (ft.)	Total Load (plf)		Live Load (plf)		Joist Designation	Joist Wgt. (plf)
	Factored	Service				
	LRFD	ASD	1/240	1/360		
74 (cont.)	F 558	372	352	235	48LH12	21.8
	F 597	398	398	277	52DLH11	22.5
	F 603	402	348	232	44LH12	24.0
	F 667	445	420	280	48LH13	24.5
	F 715	477	412	275	44LH13	29.2
	F 787	525	496	331	48LH14	29.3
	F 796	531	531	392	56DLH13	27.9
	F 823	549	472	315	44LH14	31.9
	F 855	570	570	444	60DLH14	29.3
	F 906	604	568	379	48LH15	32.4
	F 924	616	613	409	52DLH14	33.4
	F 1027	685	685	494	56DLH15	34.7
	F 1038	692	691	461	52DLH15	39.5
	F 1044	696	654	436	48LH16	40.3
	F 1120	747	747	513	52DLH16	40.6
	F 1278	852	852	626	56DLH17	41.8
	F 1288	859	859	585	52DLH17	45.7
	F 1464	976	976	753	60DLH18	48.0
75	F 301	201	156	104	40LH08	14.7
	F 397	265	228	152	44LH09	18.9
	F 402	268	253	169	48LH10	18.8
	F 439	293	252	168	44LH10	19.5
	F 475	317	271	181	44LH11	20.4
	F 537	358	358	247	52DLH10	20.3
	F 550	367	342	228	48LH12	21.9
	F 588	392	392	270	52DLH11	22.4
	F 589	393	336	224	44LH12	24.0
	F 658	439	409	273	48LH13	25.1
	F 699	466	397	265	44LH13	29.2
	F 759	506	506	407	60DLH13	26.5
	F 777	518	483	322	48LH14	29.5
	F 786	524	524	382	56DLH13	28.9
	F 801	534	453	302	44LH14	31.8
	F 843	562	562	433	60DLH14	29.2
	F 888	592	592	426	56DLH14	31.5
	F 912	608	597	398	52DLH14	32.8
	F 990	660	660	511	60DLH15	34.3
	F 1014	676	676	481	56DLH15	35.6
F 1030	687	637	425	48LH16	40.4	
F 1095	730	730	536	56DLH16	39.5	
F 1105	737	737	499	52DLH16	41.0	
F 1261	841	841	609	56DLH17	42.8	
F 1272	848	848	570	52DLH17	46.5	
F 1444	963	963	733	60DLH18	47.7	
76	F 294	196	150	100	40LH08	14.6
	F 388	259	219	146	44LH09	18.8
	F 430	287	265	177	48LH11	18.5
	F 465	310	262	175	44LH11	20.4
	F 529	353	353	240	52DLH10	20.3
	F 543	362	333	222	48LH12	21.8
F 580	387	387	263	52DLH11	22.3	



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Economical Load Tables

Joist Span (ft.)	Total Load (plf)		Live Load (plf)		Joist Designation	Joist Wgt. (plf)
	Factored	Service				
	LRFD	ASD	1/240	1/360		
76 (cont.)	F 648	432	429	286	52DLH12	24.7
	F 649	433	399	266	48LH13	26.6
	F 681	454	381	254	44LH13	27.5
	F 766	511	469	313	48LH14	29.4
	F 775	517	517	372	56DLH13	28.7
	F 780	520	436	291	44LH14	31.8
	F 787	525	520	347	52DLH13	29.8
	F 832	555	555	421	60DLH14	29.7
	F 900	600	582	388	52DLH14	32.8
	F 948	632	632	528	64DLH15	32.3
	F 978	652	652	497	60DLH15	34.1
	F 1000	667	667	468	56DLH15	35.7
	F 1011	674	655	437	52DLH15	39.8
	F 1080	720	720	521	56DLH16	39.6
	F 1090	727	727	486	52DLH16	41.0
	F 1245	830	830	593	56DLH17	42.8
F 1255	837	832	555	52DLH17	46.4	
F 1425	950	950	714	60DLH18	47.7	
77	F 288	192	145	97	40LH08	17.8
	F 391	261	240	160	48LH10	17.3
	F 424	283	258	172	48LH11	18.5
	F 453	302	252	168	44LH11	20.3
	F 522	348	348	234	52DLH10	20.3
	F 535	357	325	217	48LH12	22.1
	F 573	382	382	256	52DLH11	22.3
	F 640	427	418	279	52DLH12	24.6
	F 666	444	369	246	44LH13	27.5
	F 757	505	457	305	48LH14	29.6
	F 759	506	418	279	44LH14	31.7
	F 777	518	507	338	52DLH13	29.8
	F 822	548	548	410	60DLH14	29.8
	F 888	592	567	378	52DLH14	32.8
	F 934	623	623	514	64DLH15	32.4
	F 964	643	643	484	60DLH15	34.0
	F 988	659	659	456	56DLH15	35.6
	F 1066	711	711	508	56DLH16	39.7
F 1075	717	709	473	52DLH16	41.0	
F 1219	813	813	615	60DLH17	42.0	
F 1228	819	819	578	56DLH17	43.9	
F 1239	826	810	540	52DLH17	49.7	
F 1401	934	934	741	64DLH18	48.4	
F 1407	938	938	695	60DLH18	51.0	
78	F 280	187	139	93	40LH08	15.0
	F 370	247	204	136	44LH09	17.6
	F 385	257	234	156	48LH10	18.5
	F 408	272	225	150	44LH10	19.3
	F 418	279	252	168	48LH11	19.2
	F 442	295	243	162	44LH11	20.7
	F 516	344	342	228	52DLH10	20.8
	F 529	353	316	211	48LH12	22.5
F 565	377	373	249	52DLH11	22.3	

F = FACTORED Load

Joist Span (ft.)	Total Load (plf)		Live Load (plf)		Joist Designation	Joist Wgt. (plf)
	Factored	Service				
	LRFD	ASD	1/240	1/360		
78 (cont.)	F 631	421	408	272	52DLH12	24.6
	F 633	422	378	252	48LH13	26.7
	F 649	433	354	236	44LH13	27.8
	F 747	498	445	297	48LH14	29.3
	F 766	511	493	329	52DLH13	29.9
	F 811	541	541	400	60DLH14	29.7
	F 853	569	569	394	56DLH14	32.6
	F 859	573	511	341	48LH15	34.8
	F 877	585	552	368	52DLH14	34.2
	F 952	635	635	472	60DLH15	33.8
	F 975	650	650	444	56DLH15	38.9
	F 1053	702	702	495	56DLH16	39.7
	F 1062	708	691	461	52DLH16	42.0
	F 1203	802	802	600	60DLH17	41.9
	F 1213	809	809	563	56DLH17	44.0
	F 1222	815	789	526	52DLH17	49.8
F 1383	922	922	722	64DLH18	48.0	
F 1389	926	926	677	60DLH18	51.0	
79	F 274	183	135	90	40LH08	15.0
	F 363	242	196	131	44LH09	17.7
	F 399	266	216	144	44LH10	19.2
	F 414	276	246	164	48LH11	19.1
	F 433	289	235	157	44LH11	20.7
	F 522	348	309	206	48LH12	22.5
	F 558	372	364	243	52DLH11	22.7
	F 624	416	397	265	52DLH12	24.8
	F 625	417	369	246	48LH13	26.6
	F 634	423	342	228	44LH13	27.7
	F 694	463	463	388	64DLH13	26.3
	F 738	492	435	290	48LH14	30.3
	F 757	505	481	321	52DLH13	29.8
	F 801	534	534	390	60DLH14	29.4
	F 843	562	562	384	56DLH14	32.3
	F 849	566	498	332	48LH15	34.7
	F 865	577	538	359	52DLH14	34.1
	F 940	627	627	460	60DLH15	34.7
F 963	642	642	433	56DLH15	39.6	
F 972	648	606	404	52DLH15	40.6	
F 978	652	574	383	48LH16	41.6	
F 1039	693	693	482	56DLH16	40.7	
F 1048	699	675	450	52DLH16	41.9	
F 1188	792	792	585	60DLH17	42.0	
F 1197	798	798	549	56DLH17	43.7	
F 1207	805	769	513	52DLH17	49.8	
F 1365	910	910	704	64DLH18	48.0	
F 1371	914	914	660	60DLH18	51.1	
80	F 267	178	129	86	40LH08	14.9
	F 349	233	169	113	40LH09	18.7
	F 354	236	190	127	44LH09	18.0
	F 382	255	186	124	40LH10	20.0
	F 390	260	208	139	44LH10	19.8



Economical Load Tables

Joist Span (ft.)	Total Load (plf)		Live Load (plf)		Joist Designation	Joist Wgt. (plf)
	Factored	Service	1/240	1/360		
	LRFD	ASD				
80 (cont.)	F 408	272	240	160	48LH11	19.1
	F 423	282	226	151	44LH11	20.6
	F 516	344	301	201	48LH12	22.5
	F 552	368	355	237	52DLH11	22.7
	F 615	410	387	258	52DLH12	25.4
	F 618	412	360	240	48LH13	26.6
	F 619	413	330	220	44LH13	27.6
	F 685	457	457	379	64DLH13	26.7
	F 711	474	474	357	60DLH13	27.6
	F 747	498	469	313	52DLH13	29.8
	F 784	523	523	405	64DLH14	29.3
	F 790	527	527	380	60DLH14	30.4
	F 838	559	486	324	48LH15	34.7
	F 855	570	525	350	52DLH14	34.9
	F 900	600	600	476	64DLH15	34.9
	F 928	619	619	449	60DLH15	36.0
	F 951	634	633	422	56DLH15	39.5
	F 960	640	591	394	52DLH15	40.7
F 966	644	559	373	48LH16	41.6	
F 1020	680	680	501	60DLH16	40.3	
F 1035	690	657	438	52DLH16	42.0	
F 1173	782	782	570	60DLH17	41.9	
F 1182	788	788	535	56DLH17	46.7	
F 1192	795	750	500	52DLH17	49.7	
F 1348	899	899	686	64DLH18	47.8	
F 1353	902	902	644	60DLH18	51.1	
81	F 346	231	183	122	44LH09	18.0
	F 381	254	201	134	44LH10	19.6
	F 403	269	234	156	48LH11	19.7
	F 414	276	219	146	44LH11	20.6
	F 510	340	294	196	48LH12	22.3
	F 544	363	346	231	52DLH11	23.6
	F 600	400	400	270	56DLH12	24.2
	F 610	407	351	234	48LH13	26.6
	F 676	451	451	369	64DLH13	26.7
	F 703	469	469	348	60DLH13	28.4
	F 738	492	457	305	52DLH13	29.9
	F 775	517	517	395	64DLH14	30.0
	F 781	521	521	371	60DLH14	31.9
	F 828	552	474	316	48LH15	34.7
	F 844	563	511	341	52DLH14	34.9
	F 889	593	593	465	64DLH15	34.3
	F 916	611	611	438	60DLH15	35.8
	F 948	632	576	384	52DLH15	40.8
F 954	636	546	364	48LH16	41.6	
F 1008	672	672	489	60DLH16	40.1	
F 1023	682	642	428	52DLH16	42.1	
F 1153	769	769	592	64DLH17	42.4	
F 1158	772	772	556	60DLH17	44.0	
F 1167	778	778	522	56DLH17	46.3	
F 1177	785	732	488	52DLH17	49.7	

F = FACTORED Load

Joist Span (ft.)	Total Load (plf)		Live Load (plf)		Joist Designation	Joist Wgt. (plf)
	Factored	Service	1/240	1/360		
	LRFD	ASD				
81 (cont.)	F 1332	888	888	669	64DLH18	47.7
	F 1336	891	891	628	60DLH18	50.9
	F 1497	998	998	803	68DLH19	56.6
	F 1989	1326	1326	1238	80DLH20	64.1
	F 339	226	177	118	44LH09	18.8
82	F 369	246	211	141	48LH10	19.0
	F 373	249	195	130	44LH10	19.6
	F 399	266	228	152	48LH11	19.8
	F 403	269	210	140	44LH11	20.6
	F 490	327	309	206	52DLH10	22.0
	F 504	336	286	191	48LH12	23.4
	F 516	344	344	242	56DLH11	22.4
	F 538	359	337	225	52DLH11	24.1
	F 603	402	342	228	48LH13	26.6
	F 669	446	446	360	64DLH13	26.6
	F 694	463	463	340	60DLH13	28.7
	F 712	475	403	269	48LH14	31.7
	F 718	479	478	319	56DLH13	29.8
	F 729	486	447	298	52DLH13	30.5
	F 766	511	511	385	64DLH14	29.8
	F 771	514	514	362	60DLH14	31.6
	F 811	541	534	356	56DLH14	32.8
	F 817	545	462	308	48LH15	35.7
	F 829	553	553	457	68DLH15	32.5
	F 834	556	499	333	52DLH14	35.6
	F 877	585	585	453	64DLH15	34.2
	F 906	604	604	427	60DLH15	35.8
	F 936	624	562	375	52DLH15	40.7
	F 943	629	532	355	48LH16	41.5
	F 996	664	664	477	60DLH16	40.2
	F 1009	673	625	417	52DLH16	42.2
	F 1110	740	740	610	68DLH17	41.5
	F 1144	763	763	542	60DLH17	44.1
F 1153	769	763	509	56DLH17	46.5	
F 1162	775	714	476	52DLH17	49.8	
F 1284	856	856	690	68DLH18	48.6	
F 1315	877	877	653	64DLH18	51.0	
F 1320	880	880	613	60DLH18	52.9	
F 1479	986	986	783	68DLH19	56.3	
F 1498	999	999	965	80DLH18	54.4	
F 1749	1166	1166	1081	80DLH19	62.3	
F 1965	1310	1310	1208	80DLH20	63.8	
83	F 331	221	171	114	44LH09	18.9
	F 364	243	187	125	44LH10	19.5
	F 390	260	220	147	48LH11	19.6
	F 396	264	204	136	44LH11	20.5
	F 484	323	301	201	52DLH10	22.3
	F 493	329	277	185	48LH12	24.1
	F 510	340	340	236	56DLH11	22.3
	F 531	354	330	220	52DLH11	23.9
	F 544	363	363	289	64DLH12	22.5



Economical Load Tables

Joist Span (ft.)	Total Load (plf)		Live Load (plf)		Joist Designation	Joist Wgt. (plf)
	Factored	Service	1/240	1/360		
	LRFD	ASD				
83 (cont.)	F 544	363	363	289	64DLH12	22.5
	F 589	393	331	221	48LH13	26.7
	F 594	396	360	240	52DLH12	27.1
	F 660	440	440	352	64DLH13	26.4
	F 696	464	390	260	48LH14	31.7
	F 709	473	466	311	56DLH13	29.8
	F 720	480	436	291	52DLH13	31.7
	F 756	504	504	376	64DLH14	29.7
	F 762	508	508	353	60DLH14	31.4
	F 802	535	522	348	56DLH14	32.8
	F 823	549	487	325	52DLH14	35.5
	F 867	578	578	442	64DLH15	34.2
	F 894	596	596	417	60DLH15	35.7
	F 925	617	549	366	52DLH15	40.7
	F 984	656	656	466	60DLH16	39.9
	F 997	665	610	407	52DLH16	42.1
	F 1125	750	750	563	64DLH17	42.0
	F 1131	754	754	529	60DLH17	44.0
	F 1149	766	697	465	52DLH17	49.6
	F 1269	846	846	674	68DLH18	48.4
F 1299	866	866	637	64DLH18	50.8	
F 1305	870	870	598	60DLH18	52.7	
F 1480	987	987	943	80DLH18	54.0	
F 1728	1152	1152	1056	80DLH19	62.0	
F 1941	1295	1295	1180	80DLH20	63.5	
84	F 324	216	165	110	44LH09	18.8
	F 357	238	181	121	44LH10	19.4
	F 382	255	213	142	48LH11	19.7
	F 387	258	196	131	44LH11	20.5
	F 478	319	294	196	52DLH10	22.1
	F 483	322	268	179	48LH12	23.9
	F 504	336	336	230	56DLH11	22.3
	F 525	350	322	215	52DLH11	24.4
	F 576	384	319	213	48LH13	26.5
	F 579	386	376	251	56DLH12	24.9
	F 586	391	351	234	52DLH12	26.8
	F 637	425	322	215	44LH14	31.7
	F 700	467	456	304	56DLH13	29.7
	F 747	498	498	367	64DLH14	29.6
	F 753	502	502	345	60DLH14	31.3
	F 792	528	508	339	56DLH14	32.8
	F 814	543	475	317	52DLH14	34.9
	F 856	571	571	432	64DLH15	34.1
	F 883	589	589	407	60DLH15	35.7
	F 901	601	496	331	48LH16	41.6
F 906	604	574	383	56DLH15	40.7	
F 964	643	643	484	64DLH16	39.8	
F 985	657	595	397	52DLH16	42.3	
F 1111	741	741	550	64DLH17	42.0	
F 1117	745	745	517	60DLH17	43.8	
F 1120	747	747	668	80DLH16	41.9	

F = FACTORED Load

Joist Span (ft.)	Total Load (plf)		Live Load (plf)		Joist Designation	Joist Wgt. (plf)
	Factored	Service	1/240	1/360		
	LRFD	ASD				
84 (cont.)	F 1135	757	681	454	52DLH17	50.0
	F 1252	835	835	658	68DLH18	48.4
	F 1284	856	856	622	64DLH18	50.8
	F 1288	859	859	584	60DLH18	52.4
	F 1443	962	962	746	68DLH19	55.9
	F 1463	976	976	920	80DLH18	53.8
	F 1707	1138	1138	1030	80DLH19	61.8
	85	F 346	231	190	127	48LH10
F 349		233	175	117	44LH10	19.4
F 378		252	190	127	44LH11	20.3
F 472		315	288	192	52DLH10	22.0
F 498		332	332	225	56DLH11	22.3
F 519		346	315	210	52DLH11	24.4
F 571		381	367	245	56DLH12	25.0
F 579		386	343	229	52DLH12	26.8
F 622		415	310	207	44LH14	31.6
F 693		462	445	297	56DLH13	29.8
F 703		469	415	277	52DLH13	32.2
F 714		476	476	380	68DLH14	29.5
F 739		493	493	359	64DLH14	30.8
F 783		522	496	331	56DLH14	32.9
F 804		536	465	310	52DLH14	34.9
F 847		565	565	422	64DLH15	36.3
F 873		582	582	397	60DLH15	38.8
F 894		596	561	374	56DLH15	40.7
F 903		602	523	349	52DLH15	42.0
F 975		650	582	388	52DLH16	42.2
F 1035	690	690	600	72DLH17	40.5	
F 1069	713	713	568	68DLH17	41.6	
F 1104	736	736	505	60DLH17	44.2	
F 1107	738	738	652	80DLH16	41.8	
F 1122	748	664	443	52DLH17	50.0	
F 1239	826	826	642	68DLH18	48.2	
F 1269	846	846	607	64DLH18	50.9	
F 1279	853	853	784	80DLH17	47.4	
F 1426	951	951	729	68DLH19	55.8	
F 1446	964	964	898	80DLH18	53.6	
F 1686	1124	1124	1005	80DLH19	61.9	
F 1896	1264	1264	1124	80DLH20	69.6	
86	F 310	207	154	103	44LH09	17.6
	F 339	226	184	123	48LH10	18.1
	F 342	228	169	113	44LH10	19.0
	F 370	247	184	123	44LH11	20.5
	F 468	312	280	187	52DLH10	22.0
	F 492	328	328	220	56DLH11	22.4
	F 513	342	307	205	52DLH11	24.4
	F 541	361	268	179	44LH13	27.7
	F 573	382	334	223	52DLH12	26.6
	F 609	406	300	200	44LH14	31.6
	F 684	456	435	290	56DLH13	29.7
	F 694	463	406	271	52DLH13	32.1



Economical Load Tables

Joist Span (ft.)	Total Load (plf)		Live Load (plf)		Joist Designation	Joist Wgt. (plf)
	Factored	Service				
	LRFD	ASD	1/240	1/360		
86 (cont.)	F 705	470	470	371	68DLH14	29.5
	F 730	487	487	350	64DLH14	30.9
	F 735	490	490	329	60DLH14	31.8
	F 774	516	486	324	56DLH14	34.3
	F 795	530	453	302	52DLH14	34.9
	F 862	575	575	388	60DLH15	36.0
	F 883	589	547	365	56DLH15	40.7
	F 892	595	511	341	52DLH15	42.0
	F 942	628	628	461	64DLH16	40.5
	F 954	636	610	407	56DLH16	42.4
	F 1057	705	705	555	68DLH17	41.2
	F 1090	727	727	493	60DLH17	43.7
	F 1094	730	730	637	80DLH16	41.8
	F 1108	739	649	433	52DLH17	50.1
	F 1224	816	816	627	68DLH18	47.9
	F 1258	839	835	557	60DLH18	51.7
F 1410	940	940	712	68DLH19	55.7	
F 1429	953	953	878	80DLH18	53.4	
F 1667	1111	1111	983	80DLH19	61.7	
87	F 303	202	148	99	44LH09	17.6
	F 331	221	178	119	48LH10	18.7
	F 334	223	165	110	44LH10	18.9
	F 363	242	178	119	44LH11	20.4
	F 462	308	274	183	52DLH10	22.3
	F 486	324	322	215	56DLH11	22.7
	F 507	338	300	200	52DLH11	24.4
	F 529	353	259	173	44LH13	27.7
	F 565	377	327	218	52DLH12	26.7
	F 594	396	289	193	44LH14	31.7
	F 606	404	404	337	68DLH13	26.4
	F 654	436	436	302	60DLH13	29.2
	F 676	451	424	283	56DLH13	30.9
	F 687	458	396	264	52DLH13	32.1
	F 697	465	465	363	68DLH14	29.2
	F 727	485	481	321	60DLH14	31.8
	F 765	510	474	316	56DLH14	34.2
	F 783	522	522	406	68DLH15	33.0
	F 828	552	552	403	64DLH15	35.9
	F 844	563	448	299	48LH16	41.8
	F 874	583	535	357	56DLH15	40.8
	F 882	588	499	333	52DLH15	41.9
	F 931	621	621	451	64DLH16	40.5
	F 943	629	595	397	56DLH16	42.3
F 1011	674	674	573	72DLH17	40.2	
F 1045	697	697	542	68DLH17	42.3	
F 1078	719	719	482	60DLH17	46.9	
F 1095	730	634	423	52DLH17	50.0	
F 1210	807	807	613	68DLH18	47.7	
F 1245	830	816	544	60DLH18	51.6	
F 1413	942	942	857	80DLH18	53.2	
F 1647	1099	1099	960	80DLH19	61.4	

F = FACTORED Load

Joist Span (ft.)	Total Load (plf)		Live Load (plf)		Joist Designation	Joist Wgt. (plf)
	Factored	Service				
	LRFD	ASD	1/240	1/360		
88	F 297	198	144	96	44LH09	18.1
	F 327	218	159	106	44LH10	19.5
	F 354	236	172	115	44LH11	20.4
	F 457	305	268	179	52DLH10	22.3
	F 501	334	294	196	52DLH11	24.4
	F 519	346	250	167	44LH13	27.7
	F 559	373	319	213	52DLH12	26.8
	F 580	387	280	187	44LH14	31.6
	F 646	431	431	295	60DLH13	29.2
	F 669	446	415	277	56DLH13	30.7
	F 679	453	387	258	52DLH13	32.0
	F 690	460	460	354	68DLH14	29.0
	F 718	479	471	314	60DLH14	31.8
	F 774	516	516	397	68DLH15	32.8
	F 817	545	545	393	64DLH15	36.3
	F 826	551	433	289	48LH16	41.8
	F 864	576	523	349	56DLH15	40.8
	F 873	582	487	325	52DLH15	41.8
F 921	614	614	440	64DLH16	40.6	
F 933	622	582	388	56DLH16	42.4	
F 999	666	666	560	72DLH17	40.5	
F 1033	689	689	530	68DLH17	42.0	
F 1048	699	699	669	88DLH16	41.9	
F 1060	707	707	501	64DLH17	46.4	
F 1083	722	619	413	52DLH17	50.0	
F 1195	797	797	599	68DLH18	47.7	
F 1230	820	798	532	60DLH18	51.6	
F 1377	918	918	680	68DLH19	55.4	
F 1396	931	931	837	80DLH18	54.4	
F 1629	1086	1086	938	80DLH19	61.3	
89	F 318	212	168	112	48LH10	19.3
	F 343	229	180	120	48LH11	19.9
	F 451	301	262	175	52DLH10	23.4
	F 495	330	286	191	52DLH11	24.4
	F 526	351	351	239	60DLH12	24.6
	F 553	369	313	209	52DLH12	26.7
	F 639	426	426	288	60DLH13	29.1
	F 672	448	379	253	52DLH13	32.1
	F 711	474	460	307	60DLH14	31.7
	F 747	498	453	302	56DLH14	35.1
	F 759	506	506	408	72DLH15	32.1
	F 765	510	510	388	68DLH15	33.9
	F 808	539	539	385	64DLH15	36.1
	F 855	570	511	341	56DLH15	40.9
	F 862	575	477	318	52DLH15	41.8
	F 922	615	570	380	56DLH16	42.4
	F 930	620	531	354	52DLH16	45.6
	F 1021	681	681	518	68DLH17	42.0
F 1048	699	699	490	64DLH17	43.8	
F 1071	714	606	404	52DLH17	50.0	
F 1156	771	771	618	72DLH18	48.4	



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 Joist Girder Weight Tables
 SJI Standard Specifications
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Economical Load Tables

Joist Span (ft.)	Total Load (plf)		Live Load (plf)		Joist Designation	Joist Wgt. (plf)
	Factored	Service				
	LRFD	ASD	1/240	1/360		
89 (cont.)	F 1182	788	788	586	68DLH18	50.9
	F 1210	807	807	554	64DLH18	52.6
	F 1362	908	908	665	68DLH19	55.3
	F 1381	921	921	819	80DLH18	54.6
	F 1611	1074	1074	918	80DLH19	61.1
	F 1810	1207	1207	1154	88DLH20	68.6
90	F 312	208	162	108	48LH10	19.2
	F 337	225	175	117	48LH11	19.9
	F 447	298	256	171	52DLH10	23.3
	F 490	327	280	187	52DLH11	24.4
	F 520	347	347	233	60DLH12	24.6
	F 547	365	306	204	52DLH12	26.8
	F 609	406	406	299	64DLH13	27.8
	F 633	422	422	282	60DLH13	30.1
	F 664	443	370	247	52DLH13	32.1
	F 702	468	450	300	60DLH14	31.7
	F 739	493	442	295	56DLH14	35.3
	F 751	501	501	399	72DLH15	32.1
	F 756	504	504	379	68DLH15	33.9
	F 799	533	533	376	64DLH15	35.9
	F 825	550	531	354	60DLH15	40.1
	F 853	569	466	311	52DLH15	41.9
	F 906	604	594	396	60DLH16	41.7
	F 912	608	556	371	56DLH16	42.5
	F 921	614	519	346	52DLH16	45.6
	F 1011	674	674	506	68DLH17	42.2
	F 1036	691	691	479	64DLH17	44.3
	F 1037	692	692	654	88DLH16	41.7
	F 1059	706	592	395	52DLH17	50.0
	F 1144	763	763	604	72DLH18	48.3
F 1170	780	780	573	68DLH18	50.7	
F 1197	798	798	542	64DLH18	52.4	
F 1222	815	815	797	96DLH18	49.8	
F 1347	898	898	650	68DLH19	55.5	
F 1365	910	910	801	80DLH18	54.3	
F 1593	1062	1062	897	80DLH19	61.2	
F 1790	1194	1194	1129	88DLH20	68.4	
91	F 306	204	157	105	48LH10	19.3
	F 330	220	169	113	48LH11	19.9
	F 436	291	247	165	52DLH10	23.4
	F 480	320	271	181	52DLH11	24.4
	F 535	357	295	197	52DLH12	26.8
	F 601	401	401	292	64DLH13	28.5
	F 625	417	414	276	60DLH13	30.1
	F 649	433	358	239	52DLH13	32.2
	F 694	463	439	293	60DLH14	32.6
	F 730	487	433	289	56DLH14	35.3
	F 742	495	495	391	72DLH15	32.1
	F 748	499	499	371	68DLH15	33.7
	F 790	527	527	368	64DLH15	36.0
	F 816	544	519	346	60DLH15	40.1

F = FACTORED Load

Joist Span (ft.)	Total Load (plf)		Live Load (plf)		Joist Designation	Joist Wgt. (plf)
	Factored	Service				
	LRFD	ASD	1/240	1/360		
91 (cont.)	F 835	557	451	301	52DLH15	41.9
	F 901	601	544	363	56DLH16	42.5
	F 966	644	644	524	72DLH17	41.1
	F 1026	684	684	468	64DLH17	44.4
	F 1036	691	571	381	52DLH17	49.9
	F 1039	693	619	413	56DLH17	50.3
	F 1131	754	754	591	72DLH18	48.1
	F 1185	790	790	530	64DLH18	52.2
	F 1189	793	745	497	60DLH18	54.8
	F 1327	885	885	671	72DLH19	55.7
	F 1330	887	887	815	88DLH18	55.1
	F 1332	888	888	636	68DLH19	57.4
	F 1539	1026	1026	923	88DLH19	63.0
	F 1770	1180	1180	1103	88DLH20	68.1
92	F 300	200	153	102	48LH10	19.3
	F 324	216	165	110	48LH11	19.9
	F 408	272	207	138	48LH12	24.1
	F 427	285	238	159	52DLH10	23.6
	F 469	313	261	174	52DLH11	24.7
	F 487	325	246	164	48LH13	27.5
	F 490	327	327	235	64DLH12	24.5
	F 523	349	286	191	52DLH12	28.1
	F 528	352	313	209	56DLH12	26.8
	F 595	397	397	286	64DLH13	28.4
	F 618	412	405	270	60DLH13	30.3
	F 636	424	346	231	52DLH13	32.5
	F 640	427	379	253	56DLH13	32.2
	F 687	458	430	287	60DLH14	32.7
	F 723	482	424	283	56DLH14	35.3
	F 735	490	490	382	72DLH15	32.0
	F 739	493	493	363	68DLH15	33.6
	F 781	521	521	360	64DLH15	35.8
	F 807	538	508	339	60DLH15	41.0
	F 817	545	436	291	52DLH15	42.2
	F 826	551	478	319	56DLH15	42.0
	F 892	595	532	355	56DLH16	42.5
	F 955	637	637	512	72DLH17	41.0
	F 1014	676	676	458	64DLH17	43.9
F 1015	677	677	626	88DLH16	42.6	
F 1027	685	606	404	56DLH17	50.2	
F 1119	746	746	578	72DLH18	48.0	
F 1171	781	777	518	64DLH18	51.6	
F 1176	784	729	486	60DLH18	54.7	
F 1312	875	875	656	72DLH19	55.7	
F 1315	877	877	798	88DLH18	55.0	
F 1317	878	878	622	68DLH19	57.3	
F 1522	1015	1015	904	88DLH19	62.5	
F 1557	1039	1039	858	80DLH19	62.1	
F 1751	1167	1167	1080	88DLH20	67.7	
93	F 294	196	148	99	48LH10	18.9
	F 318	212	159	106	48LH11	20.0



Economical Load Tables

Joist Span (ft.)	Total Load (plf)		Live Load (plf)		Joist Designation	Joist Wgt. (plf)
	Factored	Service	1/240	1/360		
	LRFD	ASD				
93 (cont.)	F 399	266	199	133	48LH12	24.1
	F 418	279	231	154	52DLH10	23.7
	F 459	306	253	169	52DLH11	24.6
	F 477	318	238	159	48LH13	27.7
	F 486	324	324	230	64DLH12	24.5
	F 504	336	327	218	60DLH12	26.0
	F 513	342	277	185	52DLH12	28.1
	F 523	349	306	204	56DLH12	26.8
	F 562	375	280	187	48LH14	31.9
	F 589	393	393	280	64DLH13	29.4
	F 621	414	336	224	52DLH13	32.2
	F 633	422	372	248	56DLH13	32.3
	F 634	423	423	335	72DLH14	29.5
	F 675	450	448	299	64DLH14	32.1
	F 679	453	421	281	60DLH14	34.1
	F 715	477	415	277	56DLH14	35.2
	F 774	516	516	352	64DLH15	35.1
	F 798	532	498	332	60DLH15	41.1
	F 799	533	423	282	52DLH15	42.1
	F 817	545	468	312	56DLH15	41.9
	F 877	585	556	371	60DLH16	42.5
	F 945	630	630	501	72DLH17	41.2
	F 978	652	652	474	68DLH17	44.4
	F 1003	669	669	612	88DLH16	42.5
F 1011	674	674	545	80DLH16	42.4	
F 1017	678	592	395	56DLH17	50.1	
F 1107	738	738	566	72DLH18	48.0	
F 1131	754	754	536	68DLH18	52.8	
F 1159	773	760	507	64DLH18	54.7	
F 1297	865	865	642	72DLH19	55.7	
F 1301	868	868	780	88DLH18	54.8	
F 1303	869	869	609	68DLH19	57.1	
F 1506	1004	1004	884	88DLH19	62.3	
F 1731	1155	1155	1057	88DLH20	70.6	
94	F 288	192	144	96	48LH10	18.9
	F 312	208	154	103	48LH11	20.0
	F 391	261	193	129	48LH12	24.0
	F 409	273	225	150	52DLH10	23.6
	F 448	299	246	164	52DLH11	24.6
	F 450	300	276	184	56DLH11	24.6
	F 468	312	231	154	48LH13	27.7
	F 480	320	320	225	64DLH12	24.4
	F 501	334	268	179	52DLH12	28.1
	F 517	345	300	200	56DLH12	26.9
	F 550	367	271	181	48LH14	31.8
	F 583	389	389	274	64DLH13	29.4
	F 609	406	324	216	52DLH13	32.1
	F 625	417	363	242	56DLH13	32.2
	F 627	418	418	328	72DLH14	29.4
	F 667	445	439	293	64DLH14	32.0
	F 672	448	412	275	60DLH14	33.7

F = FACTORED Load

Joist Span (ft.)	Total Load (plf)		Live Load (plf)		Joist Designation	Joist Wgt. (plf)
	Factored	Service	1/240	1/360		
	LRFD	ASD				
94 (cont.)	F 708	472	406	271	56DLH14	35.2
	F 765	510	510	345	64DLH15	36.1
	F 789	526	487	325	60DLH15	40.9
	F 808	539	459	306	56DLH15	41.9
	F 868	579	544	363	60DLH16	42.5
	F 934	623	623	491	72DLH17	41.1
	F 967	645	645	464	68DLH17	44.3
	F 993	662	662	599	88DLH16	42.7
	F 1000	667	667	533	80DLH16	42.4
	F 1005	670	580	387	56DLH17	50.2
	F 1095	730	730	554	72DLH18	47.8
	F 1101	734	734	734	104DLH18	50.1
	F 1119	746	746	525	68DLH18	52.6
	F 1146	764	744	496	64DLH18	55.1
	F 1284	856	856	629	72DLH19	55.5
	F 1287	858	858	763	88DLH18	54.6
	F 1288	859	859	596	68DLH19	56.9
	F 1524	1016	1016	821	80DLH19	62.4
	F 1713	1142	1142	1034	88DLH20	70.2
	95	F 282	188	139	93	48LH10
F 306		204	150	100	48LH11	19.9
F 384		256	189	126	48LH12	24.1
F 400		267	217	145	52DLH10	23.6
F 439		293	237	158	52DLH11	24.6
F 445		297	270	180	56DLH11	24.6
F 459		306	225	150	48LH13	27.6
F 475		317	317	221	64DLH12	24.9
F 493		329	313	209	60DLH12	25.7
F 511		341	294	196	56DLH12	26.9
F 540		360	264	176	48LH14	31.8
F 576		384	384	268	64DLH13	29.4
F 595		397	313	209	52DLH13	32.0
F 598		399	379	253	60DLH13	30.9
F 619		413	355	237	56DLH13	32.2
F 660		440	430	287	64DLH14	32.0
F 666		444	403	269	60DLH14	33.6
F 700		467	397	265	56DLH14	35.2
F 715		477	477	340	68DLH15	35.0
F 781		521	477	318	60DLH15	40.9
F 799	533	448	299	56DLH15	41.9	
F 859	573	532	355	60DLH16	42.5	
F 925	617	617	480	72DLH17	41.9	
F 957	638	638	454	68DLH17	44.7	
F 990	660	660	522	80DLH16	42.4	
F 994	663	568	379	56DLH17	50.2	
F 1084	723	723	542	72DLH18	47.8	
F 1107	738	738	514	68DLH18	52.6	
F 1134	756	729	486	64DLH18	55.0	
F 1273	849	849	748	88DLH18	54.3	
F 1293	862	862	718	80DLH18	57.6	
F 1508	1006	1006	804	80DLH19	62.3	



Economical Load Tables

Joist Span (ft.)	Total Load (plf)		Live Load (plf)		Joist Designation	Joist Wgt. (plf)		
	Factored	Service						
	LRFD	ASD	1/240	1/360				
95	F	1695	1130	1130	1013	88DLH20	70.0	
	F	277	185	135	90	48LH10	19.4	
	F	300	200	145	97	48LH11	19.9	
	F	391	261	210	140	52DLH10	22.4	
	F	430	287	229	153	52DLH11	24.5	
	F	441	294	264	176	56DLH11	24.6	
	F	450	300	217	145	48LH13	27.6	
	F	487	325	307	205	60DLH12	25.6	
	F	507	338	288	192	56DLH12	27.0	
	F	529	353	256	171	48LH14	31.8	
	F	570	380	380	263	64DLH13	29.4	
	F	592	395	372	248	60DLH13	30.2	
	F	613	409	348	232	56DLH13	32.2	
	F	654	436	421	281	64DLH14	31.9	
	F	658	439	396	264	60DLH14	34.4	
	96	F	703	469	469	351	72DLH15	34.1
		F	708	472	472	333	68DLH15	36.2
F		750	500	384	256	52DLH15	41.7	
F		792	528	439	293	56DLH15	42.0	
F		843	562	555	370	64DLH16	41.8	
F		850	567	522	348	60DLH16	42.7	
F		855	570	489	326	56DLH16	45.8	
F		915	610	610	470	72DLH17	43.1	
F		946	631	631	445	68DLH17	44.3	
F		980	654	654	511	80DLH16	42.3	
F		984	656	556	371	56DLH17	50.2	
F		1072	715	715	531	72DLH18	50.7	
F		1122	748	714	476	64DLH18	55.0	
F		1261	841	841	732	88DLH18	55.4	
F		1279	853	853	704	80DLH18	57.4	
F		1677	1119	1119	992	88DLH20	69.7	
97		F	384	256	204	136	52DLH10	22.4
	F	421	281	223	149	52DLH11	24.5	
	F	436	291	259	173	56DLH11	24.7	
	F	471	314	244	163	52DLH12	28.0	
	F	483	322	301	201	60DLH12	26.7	
	F	501	334	282	188	56DLH12	27.8	
	F	565	377	377	257	64DLH13	29.4	
	F	571	381	295	197	52DLH13	32.1	
	F	606	404	342	228	56DLH13	32.1	
	F	646	431	412	275	64DLH14	32.1	
	F	651	434	387	258	60DLH14	34.3	
	F	702	468	468	326	68DLH15	36.2	
	F	735	490	370	247	52DLH15	41.5	
	F	741	494	486	324	64DLH15	40.1	
	F	783	522	430	287	56DLH15	42.0	
	F	835	557	543	362	64DLH16	41.9	
	F	841	561	511	341	60DLH16	42.7	
F	846	564	480	320	56DLH16	45.9		
F	906	604	604	461	72DLH17	43.1		
F	937	625	625	436	68DLH17	44.5		

F = FACTORED Load

Joist Span (ft.)	Total Load (plf)		Live Load (plf)		Joist Designation	Joist Wgt. (plf)	
	Factored	Service					
	LRFD	ASD	1/240	1/360			
97 (cont.)	F	970	647	647	500	80DLH16	42.4
	F	975	650	544	363	56DLH17	50.2
	F	1120	747	747	602	80DLH17	48.5
	F	1222	815	815	797	96DLH18	54.9
	F	1248	832	832	717	88DLH18	55.2
	F	1249	833	833	559	68DLH19	59.0
	F	1266	844	844	689	80DLH18	57.2
	F	1443	962	962	812	88DLH19	61.6
	F	1645	1097	1097	1024	96DLH20	68.9
	F	1660	1107	1107	971	88DLH20	69.5
98	F	376	251	198	132	52DLH10	23.4
	F	412	275	216	144	52DLH11	24.3
	F	432	288	253	169	56DLH11	25.2
	F	460	307	237	158	52DLH12	27.9
	F	477	318	295	197	60DLH12	26.7
	F	496	331	276	184	56DLH12	28.3
	F	559	373	373	252	64DLH13	29.3
	F	580	387	357	238	60DLH13	31.4
	F	601	401	334	223	56DLH13	32.2
	F	619	413	413	286	68DLH14	31.6
	F	640	427	405	270	64DLH14	33.1
	F	645	430	379	253	60DLH14	34.3
	F	694	463	463	320	68DLH15	35.7
	F	720	480	360	240	52DLH15	41.6
	F	733	489	475	317	64DLH15	40.1
	F	757	505	447	298	60DLH15	41.2
	F	777	518	421	281	56DLH15	42.1
F	796	531	531	397	72DLH16	40.0	
F	832	555	501	334	60DLH16	42.6	
F	838	559	469	313	56DLH16	45.9	
F	927	618	618	427	68DLH17	44.0	
F	960	640	640	490	80DLH16	42.3	
F	964	643	534	356	56DLH17	50.3	
F	1074	716	716	483	68DLH18	51.7	
F	1099	733	684	456	64DLH18	54.9	
F	1210	807	807	781	96DLH18	54.7	
F	1235	824	824	703	88DLH18	55.2	
F	1253	836	836	675	80DLH18	57.1	
F	1428	952	952	796	88DLH19	61.4	
F	1446	964	964	885	96DLH19	63.8	
F	1629	1086	1086	1004	96DLH20	69.0	
F	1644	1096	1096	845	80DLH20	70.0	
99	F	369	246	192	128	52DLH10	23.5
	F	405	270	210	140	52DLH11	24.3
	F	424	283	244	163	56DLH11	24.9
	F	451	301	229	153	52DLH12	27.7
	F	456	304	304	203	64DLH12	25.2
	F	472	315	289	193	60DLH12	26.7
	F	486	324	267	178	56DLH12	28.4
	F	532	355	355	260	68DLH13	27.7
	F	549	366	277	185	52DLH13	32.0



Economical Load Tables

Joist Span (ft.)	Total Load (plf)		Live Load (plf)		Joist Designation	Joist Wgt. (plf)
	Factored	Service				
	LRFD	ASD	1/240	1/360		
99 (cont.)	F 553	369	369	247	64DLH13	30.1
	F 574	383	349	233	60DLH13	31.4
	F 591	394	324	216	56DLH13	32.6
	F 612	408	408	280	68DLH14	32.6
	F 639	426	372	248	60DLH14	34.3
	F 687	458	458	313	68DLH15	35.6
	F 705	470	349	233	52DLH15	41.7
	F 726	484	466	311	64DLH15	40.1
	F 750	500	438	292	60DLH15	41.2
	F 762	508	408	272	56DLH15	42.6
	F 823	549	490	327	60DLH16	42.6
	F 888	592	592	442	72DLH17	42.9
	F 918	612	612	418	68DLH17	43.9
	F 950	634	634	481	80DLH16	42.3
	F 1062	708	708	473	68DLH18	51.6
	F 1089	726	670	447	64DLH18	54.9
	F 1198	799	799	766	96DLH18	54.5
	F 1222	815	815	688	88DLH18	55.3
F 1240	827	827	662	80DLH18	57.1	
F 1432	955	955	868	96DLH19	63.6	
F 1612	1075	1075	983	96DLH20	68.4	
F 1627	1085	1085	932	88DLH20	71.2	
F 2022	1348	1348	1206	96DLH21	85.8	
100	F 361	241	186	124	52DLH10	22.4
	F 396	264	202	135	52DLH11	24.3
	F 415	277	237	158	56DLH11	24.8
	F 442	295	223	149	52DLH12	27.7
	F 451	301	298	199	64DLH12	25.1
	F 468	312	283	189	60DLH12	26.7
	F 477	318	259	173	56DLH12	28.3
	F 526	351	351	255	68DLH13	27.6
	F 537	358	270	180	52DLH13	31.9
	F 547	365	363	242	64DLH13	30.0
	F 568	379	342	228	60DLH13	31.4
	F 579	386	313	209	56DLH13	32.4
	F 606	404	404	274	68DLH14	32.5
	F 631	421	364	243	60DLH14	34.3
	F 679	453	453	307	68DLH15	35.6
	F 691	461	339	226	52DLH15	41.7
	F 720	480	456	304	64DLH15	40.2
	F 742	495	430	287	60DLH15	41.2
	F 747	498	396	264	56DLH15	42.5
	F 816	544	480	320	60DLH16	42.7
	F 879	586	586	433	72DLH17	42.9
	F 909	606	606	410	68DLH17	44.0
	F 933	622	622	529	88DLH16	43.0
	F 940	627	627	471	80DLH16	43.3
F 1051	701	694	463	68DLH18	51.6	
F 1186	791	791	750	96DLH18	54.3	
F 1210	807	807	674	88DLH18	55.0	
F 1228	819	819	648	80DLH18	56.9	

F = FACTORED Load

Joist Span (ft.)	Total Load (plf)		Live Load (plf)		Joist Designation	Joist Wgt. (plf)
	Factored	Service				
	LRFD	ASD	1/240	1/360		
100 (cont.)	F 1417	945	945	850	96DLH19	63.4
	F 1432	955	955	726	80DLH19	64.3
	F 1596	1064	1064	963	96DLH20	68.2
	F 1611	1074	1074	913	88DLH20	71.1
	F 1986	1324	1324	1061	88DLH21	83.4
	F 2001	1334	1334	1181	96DLH21	85.6
101	F 354	236	180	120	52DLH10	23.5
	F 388	259	198	132	52DLH11	24.4
	F 408	272	229	153	56DLH11	24.8
	F 433	289	216	144	52DLH12	26.9
	F 447	298	292	195	64DLH12	25.0
	F 463	309	277	185	60DLH12	27.4
	F 468	312	252	168	56DLH12	28.1
	F 526	351	261	174	52DLH13	32.0
	F 562	375	336	224	60DLH13	31.3
	F 568	379	306	204	56DLH13	32.4
	F 600	400	400	269	68DLH14	32.5
	F 621	414	381	254	64DLH14	33.8
	F 625	417	357	238	60DLH14	35.1
	F 673	449	449	301	68DLH15	35.5
	F 712	475	447	298	64DLH15	40.2
	F 732	488	384	256	56DLH15	42.5
	F 735	490	421	281	60DLH15	42.4
	F 798	532	529	353	68DLH16	42.2
	F 801	534	501	334	64DLH16	43.7
	F 807	538	471	314	60DLH16	46.1
	F 870	580	580	425	72DLH17	43.2
	F 900	600	600	402	68DLH17	47.3
F 931	621	621	462	80DLH16	43.2	
F 1075	717	717	555	80DLH17	48.4	
F 1174	783	783	736	96DLH18	55.6	
F 1198	799	799	661	88DLH18	55.1	
F 1200	800	774	516	68DLH19	61.4	
F 1216	811	811	635	80DLH18	59.4	
F 1404	936	936	834	96DLH19	63.0	
F 1418	946	946	712	80DLH19	64.0	
F 1580	1053	1053	945	96DLH20	68.0	
F 1595	1063	1063	896	88DLH20	71.2	
F 1981	1321	1321	1158	96DLH21	84.1	
F 2220	1480	1480	1347	96DLH22	93.2	
102	F 346	231	174	116	52DLH10	23.5
	F 381	254	192	128	52DLH11	24.4
	F 400	267	223	149	56DLH11	24.8
	F 426	284	210	140	52DLH12	26.8
	F 442	295	286	191	64DLH12	25.7
	F 459	306	271	181	60DLH12	27.4
	F 516	344	255	170	52DLH13	32.1
	F 537	358	348	232	64DLH13	31.0
	F 558	372	295	197	56DLH13	32.2
	F 594	396	396	264	68DLH14	32.5
	F 619	413	349	233	60DLH14	35.1



Economical Load Tables

Joist Span (ft.)	Total Load (plf)		Live Load (plf)		Joist Designation	Joist Wgt. (plf)
	Factored	Service	1/240	1/360		
	LRFD	ASD				
102 (cont.)	F 667	445	442	295	68DLH15	35.4
	F 705	470	438	292	64DLH15	41.1
	F 717	478	372	248	56DLH15	42.4
	F 727	485	412	275	60DLH15	42.3
	F 790	527	520	347	68DLH16	42.2
	F 793	529	490	327	64DLH16	43.7
	F 799	533	462	308	60DLH16	46.1
	F 861	574	574	416	72DLH17	44.3
	F 891	594	474	316	56DLH17	50.2
	F 919	613	525	350	60DLH17	50.1
	F 922	615	615	453	80DLH16	49.8
	F 1009	673	673	470	72DLH18	52.4
	F 1163	776	776	721	96DLH18	55.4
	F 1186	791	791	648	88DLH18	58.7
	F 1204	803	803	623	80DLH18	59.4
	F 1390	927	927	817	96DLH19	63.0
	F 1404	936	936	698	80DLH19	63.6
	F 1563	1043	1043	926	96DLH20	68.1
	F 1578	1053	1053	878	88DLH20	71.5
	F 1962	1308	1308	1136	96DLH21	84.0
F 2198	1466	1466	1320	96DLH22	92.8	
103	F 340	227	171	114	52DLH10	23.5
	F 373	249	186	124	52DLH11	24.4
	F 393	262	217	145	56DLH11	24.8
	F 417	278	202	135	52DLH12	26.8
	F 438	292	282	188	64DLH12	25.7
	F 450	300	237	158	56DLH12	28.2
	F 454	303	267	178	60DLH12	28.2
	F 507	338	246	164	52DLH13	32.1
	F 532	355	342	228	64DLH13	30.5
	F 547	365	286	191	56DLH13	32.2
	F 552	368	322	215	60DLH13	32.2
	F 589	393	387	258	68DLH14	32.2
	F 613	409	343	229	60DLH14	35.2
	F 616	411	321	214	56DLH14	36.0
	F 660	440	433	289	68DLH15	35.3
	F 699	466	430	287	64DLH15	41.1
	F 703	469	363	242	56DLH15	42.4
	F 720	480	405	270	60DLH15	42.3
	F 786	524	481	321	64DLH16	43.1
	F 792	528	453	302	60DLH16	46.2
F 853	569	569	408	72DLH17	43.9	
F 906	604	604	499	88DLH16	43.4	
F 910	607	514	343	60DLH17	50.1	
F 913	609	609	444	80DLH16	44.6	
F 999	666	666	461	72DLH18	51.4	
F 1021	681	655	437	68DLH18	54.7	
F 1152	768	768	707	96DLH18	54.4	
F 1174	783	783	635	88DLH18	59.1	
F 1192	795	795	610	80DLH18	59.4	
F 1377	918	918	801	96DLH19	63.1	

F = FACTORED Load

Joist Span (ft.)	Total Load (plf)		Live Load (plf)		Joist Designation	Joist Wgt. (plf)
	Factored	Service	1/240	1/360		
	LRFD	ASD				
103 (cont.)	F 1390	927	927	684	80DLH19	63.7
	F 1548	1032	1032	908	96DLH20	70.6
	F 1563	1042	1042	861	88DLH20	71.2
	F 2176	1451	1451	1294	96DLH22	92.6
	F 334	223	165	110	52DLH10	23.4
104	F 366	244	180	120	52DLH11	24.3
	F 385	257	210	140	56DLH11	24.8
	F 409	273	198	132	52DLH12	26.7
	F 442	295	229	153	56DLH12	28.1
	F 450	300	262	175	60DLH12	28.1
	F 496	331	238	159	52DLH13	32.0
	F 526	351	336	224	64DLH13	30.4
	F 537	358	279	186	56DLH13	32.3
	F 547	365	316	211	60DLH13	32.2
	F 567	378	378	268	72DLH14	30.8
	F 607	405	336	224	60DLH14	35.2
	F 654	436	426	284	68DLH15	36.4
	F 690	460	351	234	56DLH15	42.1
	F 691	461	421	281	64DLH15	41.1
	F 714	476	397	265	60DLH15	42.4
	F 778	519	472	315	64DLH16	43.0
	F 784	523	444	296	60DLH16	46.1
	F 844	563	563	401	72DLH17	43.9
	F 897	598	598	490	88DLH16	43.5
	F 901	601	505	337	60DLH17	50.2
F 904	603	603	436	80DLH16	46.4	
F 990	660	660	452	72DLH18	51.3	
F 1011	674	642	428	68DLH18	54.7	
F 1141	761	761	694	96DLH18	55.4	
F 1163	776	776	623	88DLH18	59.0	
F 1180	787	787	599	80DLH18	59.3	
F 1363	909	909	786	96DLH19	62.9	
F 1377	918	918	671	80DLH19	63.6	
F 1533	1022	1022	891	96DLH20	70.2	
F 1548	1032	1032	845	88DLH20	70.9	
105	F 379	253	204	136	56DLH11	24.7
	F 433	289	225	150	56DLH12	28.1
	F 445	297	256	171	60DLH12	28.0
	F 522	348	328	219	64DLH13	30.4
	F 526	351	271	181	56DLH13	32.2
	F 541	361	310	207	60DLH13	32.3
	F 562	375	375	262	72DLH14	31.5
	F 601	401	330	220	60DLH14	35.1
	F 643	429	429	293	72DLH15	36.0
	F 648	432	417	278	68DLH15	36.3
	F 676	451	342	228	56DLH15	42.0
	F 685	457	414	276	64DLH15	41.1
	F 706	471	390	260	60DLH15	42.4
	F 771	514	463	309	64DLH16	43.0
	F 777	518	435	290	60DLH16	46.2
F 837	558	558	393	72DLH17	43.9	



Economical Load Tables

Joist Span (ft.)	Total Load (plf)		Live Load (plf)		Joist Designation	Joist Wgt. (plf)
	Factored	Service	1/240	1/360		
	LRFD	ASD				
105 (cont.)	F 840	560	433	289	56DLH17	49.9
	F 892	595	495	330	60DLH17	50.2
	F 895	597	597	427	80DLH16	46.3
	F 979	653	653	444	72DLH18	51.3
	F 1002	668	630	420	68DLH18	54.8
	F 1101	734	734	734	104DLH18	55.4
	F 1129	753	753	680	96DLH18	55.5
	F 1152	768	768	612	88DLH18	58.6
	F 1169	780	780	587	80DLH18	59.2
	F 1350	900	900	771	96DLH19	62.7
	F 1364	910	910	659	80DLH19	63.2
	F 1504	1003	1003	962	104DLH20	69.6
	F 1519	1013	1013	874	96DLH20	70.1
	F 1534	1023	1023	828	88DLH20	71.0
	F 2135	1424	1424	1245	96DLH22	92.1
F 2335	1557	1557	1437	104DLH23	100.8	
106	F 372	248	199	133	56DLH11	24.8
	F 426	284	217	145	56DLH12	28.1
	F 442	295	252	168	60DLH12	27.6
	F 516	344	262	175	56DLH13	32.2
	F 537	358	304	203	60DLH13	32.8
	F 571	381	366	244	68DLH14	33.1
	F 582	388	294	196	56DLH14	36.0
	F 592	395	345	230	64DLH14	34.6
	F 597	398	324	216	60DLH14	35.7
	F 642	428	409	273	68DLH15	36.1
	F 678	452	406	271	64DLH15	41.0
	F 700	467	382	255	60DLH15	42.7
	F 763	509	454	303	64DLH16	43.0
	F 829	553	553	385	72DLH17	44.2
	F 880	587	517	345	64DLH17	50.7
	F 885	590	486	324	60DLH17	51.0
	F 886	591	591	419	80DLH16	49.5
	F 970	647	647	435	72DLH18	51.4
	F 991	661	618	412	68DLH18	54.6
	F 1090	727	727	727	104DLH18	55.2
	F 1119	746	746	667	96DLH18	55.5
	F 1141	761	761	600	88DLH18	58.4
	F 1158	772	772	576	80DLH18	59.2
	F 1320	880	880	679	88DLH19	62.6
F 1326	884	884	834	104DLH19	64.4	
F 1336	891	891	756	96DLH19	64.2	
F 1351	901	901	646	80DLH19	67.3	
F 1491	994	994	944	104DLH20	69.6	
F 1519	1013	1013	812	88DLH20	70.8	
F 1888	1259	1259	1051	96DLH21	84.4	
F 2314	1543	1543	1410	104DLH23	104.3	
107	F 366	244	193	129	56DLH11	24.7
	F 417	278	211	141	56DLH12	28.0
	F 433	289	244	163	60DLH12	27.6
	F 507	338	256	171	56DLH13	32.4

F = FACTORED Load

Joist Span (ft.)	Total Load (plf)		Live Load (plf)		Joist Designation	Joist Wgt. (plf)
	Factored	Service	1/240	1/360		
	LRFD	ASD				
107 (cont.)	F 511	341	316	211	64DLH13	31.7
	F 526	351	295	197	60DLH13	32.6
	F 567	378	358	239	68DLH14	33.1
	F 586	391	339	226	64DLH14	34.5
	F 631	421	421	282	72DLH15	35.9
	F 651	434	322	215	56DLH15	42.1
	F 672	448	399	266	64DLH15	41.1
	F 687	458	372	248	60DLH15	42.6
	F 756	504	447	298	64DLH16	43.1
	F 820	547	547	378	72DLH17	44.1
	F 868	579	472	315	60DLH17	50.6
	F 871	581	507	338	64DLH17	50.6
	F 878	586	586	411	80DLH16	49.5
	F 961	641	640	427	72DLH18	51.9
	F 1080	720	720	716	104DLH18	55.0
	F 1108	739	739	655	96DLH18	55.3
	F 1147	765	765	566	80DLH18	59.1
	F 1308	872	872	667	88DLH19	62.3
	F 1313	876	876	819	104DLH19	64.2
	F 1324	883	883	742	96DLH19	63.9
	F 1339	893	893	634	80DLH19	67.4
	F 1477	985	985	927	104DLH20	69.4
	F 1505	1004	1004	797	88DLH20	70.6
	F 1856	1238	1238	1138	104DLH21	86.8
F 1871	1247	1247	1032	96DLH21	85.2	
F 2292	1529	1529	1385	104DLH23	103.9	
108	F 358	239	187	125	56DLH11	24.9
	F 409	273	205	137	56DLH12	27.4
	F 426	284	237	158	60DLH12	27.6
	F 496	331	249	166	56DLH13	32.3
	F 507	338	310	207	64DLH13	31.6
	F 517	345	286	191	60DLH13	32.4
	F 561	374	352	235	68DLH14	32.9
	F 580	387	333	222	64DLH14	34.6
	F 625	417	415	277	72DLH15	35.8
	F 639	426	313	209	56DLH15	41.9
	F 666	444	391	261	64DLH15	41.1
	F 675	450	363	242	60DLH15	42.6
	F 723	482	482	326	72DLH16	42.1
	F 813	542	542	371	72DLH17	44.0
	F 853	569	459	306	60DLH17	50.6
	F 864	576	498	332	64DLH17	50.7
	F 952	635	628	419	72DLH18	51.7
	F 1070	714	714	705	104DLH18	55.0
	F 1098	732	732	643	96DLH18	55.2
	F 1137	758	758	555	80DLH18	59.2
	F 1300	867	867	803	104DLH19	63.8
	F 1312	875	875	729	96DLH19	64.0
	F 1326	884	884	622	80DLH19	67.3
	F 1462	975	975	909	104DLH20	69.2
F 1491	994	994	783	88DLH20	70.3	



Economical Load Tables

Joist Span (ft.)	Total Load (plf)		Live Load (plf)		Joist Designation	Joist Wgt. (plf)
	Factored	Service				
	LRFD	ASD	1/240	1/360		
108 (cont.)	F 1839	1226	1226	1117	104DLH21	86.5
	F 1853	1236	1236	1013	96DLH21	85.0
	F 2062	1375	1375	1299	104DLH22	94.1
	F 2076	1384	1384	1177	96DLH22	92.8
	F 2271	1514	1514	1359	104DLH23	103.7
	F 2556	1704	1704	1644	112DLH24	118.3
109	F 352	235	183	122	56DLH11	24.8
	F 402	268	199	133	56DLH12	27.1
	F 418	279	231	154	60DLH12	27.5
	F 483	322	321	214	68DLH13	30.2
	F 487	325	241	161	56DLH13	32.2
	F 502	335	306	204	64DLH13	31.6
	F 508	339	280	187	60DLH13	32.4
	F 556	371	346	231	68DLH14	33.6
	F 564	376	298	199	60DLH14	35.5
	F 576	384	327	218	64DLH14	35.4
	F 619	413	408	272	72DLH15	36.6
	F 660	440	384	256	64DLH15	41.2
	F 663	442	352	235	60DLH15	42.4
	F 717	478	478	320	72DLH16	42.1
	F 739	493	454	303	68DLH16	43.4
	F 742	495	430	287	64DLH16	46.3
	F 805	537	537	365	72DLH17	44.9
	F 837	558	447	298	60DLH17	50.5
	F 856	571	489	326	64DLH17	50.6
	F 862	575	575	396	80DLH16	48.5
	F 943	629	616	411	72DLH18	51.9
	F 1060	707	707	694	104DLH18	54.9
	F 1087	725	725	631	96DLH18	55.5
	F 1126	751	751	545	80DLH18	59.3
F 1288	859	859	788	104DLH19	63.6	
F 1300	867	867	715	96DLH19	64.3	
F 1449	966	966	892	104DLH20	69.0	
F 1477	985	985	768	88DLH20	70.1	
F 1822	1215	1215	1096	104DLH21	86.0	
F 2043	1362	1362	1275	104DLH22	93.8	
F 2250	1500	1500	1334	104DLH23	103.4	
110	F 346	231	177	118	56DLH11	24.8
	F 394	263	195	130	56DLH12	27.1
	F 411	274	225	150	60DLH12	27.6
	F 478	319	315	210	68DLH13	30.1
	F 498	332	300	200	64DLH13	31.7
	F 499	333	271	181	60DLH13	32.4
	F 550	367	339	226	68DLH14	33.6
	F 555	370	289	193	60DLH14	35.6
	F 570	380	321	214	64DLH14	35.5
	F 613	409	400	267	72DLH15	36.6
	F 654	436	376	251	64DLH15	41.1
	F 709	473	472	315	72DLH16	42.2
	F 733	489	447	298	68DLH16	43.3
	F 736	491	421	281	64DLH16	46.3

F = FACTORED Load

Joist Span (ft.)	Total Load (plf)		Live Load (plf)		Joist Designation	Joist Wgt. (plf)
	Factored	Service				
	LRFD	ASD	1/240	1/360		
110 (cont.)	F 799	533	533	358	72DLH17	47.3
	F 848	566	566	437	88DLH16	46.4
	F 855	570	570	389	80DLH16	48.6
	F 936	624	606	404	72DLH18	54.6
	F 1051	701	701	682	104DLH18	54.7
	F 1078	719	719	620	96DLH18	55.3
	F 1099	733	733	557	88DLH18	60.8
	F 1101	734	651	434	68DLH19	61.9
	F 1276	851	851	774	104DLH19	63.2
	F 1288	859	859	702	96DLH19	63.9
	F 1435	957	957	876	104DLH20	68.8
	F 1449	966	966	796	96DLH20	72.2
	F 1464	976	976	754	88DLH20	72.6
	F 1806	1204	1204	1077	104DLH21	85.8
	F 1819	1213	1213	976	96DLH21	87.0
	F 2024	1350	1350	1252	104DLH22	93.6
F 2229	1487	1487	1310	104DLH23	103.1	
111	F 340	227	172	115	56DLH11	24.8
	F 388	259	189	126	56DLH12	27.0
	F 405	270	219	146	60DLH12	27.5
	F 406	271	241	161	64DLH12	28.1
	F 474	316	310	207	68DLH13	30.1
	F 493	329	294	196	64DLH13	31.7
	F 544	363	283	189	60DLH14	35.5
	F 565	377	315	210	64DLH14	35.5
	F 609	406	393	262	72DLH15	36.6
	F 612	408	373	249	68DLH15	40.4
	F 640	427	334	223	60DLH15	42.4
	F 648	432	370	247	64DLH15	42.3
	F 703	469	463	309	72DLH16	42.2
	F 726	484	438	292	68DLH16	43.4
	F 729	486	414	276	64DLH16	46.2
	F 751	501	367	245	56DLH17	49.8
	F 807	538	424	283	60DLH17	50.4
	F 840	560	471	314	64DLH17	50.6
	F 950	634	634	481	88DLH17	48.9
	F 1041	694	694	669	104DLH18	55.2
F 1068	712	712	608	96DLH18	55.6	
F 1090	727	727	547	88DLH18	60.6	
F 1265	844	844	760	104DLH19	63.3	
F 1277	852	852	690	96DLH19	64.2	
F 1423	949	949	861	104DLH20	68.9	
F 1436	958	958	781	96DLH20	71.9	
F 1450	967	967	741	88DLH20	72.5	
F 1789	1193	1193	1057	104DLH21	85.5	
F 1803	1202	1202	959	96DLH21	87.4	
F 2006	1337	1337	1230	104DLH22	93.6	
F 2019	1346	1346	1114	96DLH22	97.4	
F 2210	1473	1473	1287	104DLH23	103.1	
112	F 334	223	169	113	56DLH11	24.7
	F 381	254	184	123	56DLH12	27.0



Economical Load Tables

Joist Span (ft.)	Total Load (plf)		Live Load (plf)		Joist Designation	Joist Wgt. (plf)
	Factored	Service				
	LRFD	ASD	1/240	1/360		
112 (cont.)	F 397	265	213	142	60DLH12	27.5
	F 403	269	238	159	64DLH12	28.1
	F 462	308	223	149	56DLH13	32.1
	F 483	322	256	171	60DLH13	32.4
	F 489	326	289	193	64DLH13	33.1
	F 534	356	274	183	60DLH14	35.3
	F 541	361	327	218	68DLH14	35.0
	F 559	373	309	206	64DLH14	36.5
	F 603	402	387	258	72DLH15	36.6
	F 607	405	367	245	68DLH15	40.3
	F 628	419	324	216	60DLH15	42.3
	F 642	428	363	242	64DLH15	42.3
	F 697	465	454	303	72DLH16	42.0
	F 720	480	430	287	68DLH16	43.5
	F 723	482	406	271	64DLH16	46.1
	F 738	492	357	238	56DLH17	49.7
	F 793	529	412	275	60DLH17	50.4
	F 832	555	463	309	64DLH17	50.6
	F 919	613	585	390	72DLH18	55.1
	F 1032	688	688	657	104DLH18	55.2
F 1059	706	706	597	96DLH18	55.9	
F 1080	720	720	537	88DLH18	60.4	
F 1254	836	836	746	104DLH19	63.3	
F 1266	844	844	677	96DLH19	64.2	
F 1410	940	940	845	104DLH20	71.5	
F 1423	949	949	767	96DLH20	72.1	
F 1437	958	958	727	88DLH20	78.8	
F 1773	1182	1182	1038	104DLH21	86.4	
F 1786	1191	1191	941	96DLH21	88.3	
F 1987	1325	1325	1207	104DLH22	93.5	
F 2001	1334	1334	1094	96DLH22	97.5	
F 2190	1460	1460	1263	104DLH23	102.9	
113	F 391	261	207	138	60DLH12	27.5
	F 399	266	234	156	64DLH12	27.9
	F 474	316	250	167	60DLH13	32.4
	F 484	323	283	189	64DLH13	33.2
	F 525	350	267	178	60DLH14	35.2
	F 555	370	304	203	64DLH14	35.8
	F 601	401	360	240	68DLH15	40.3
	F 618	412	315	210	60DLH15	42.4
	F 636	424	357	238	64DLH15	42.7
	F 714	476	423	282	68DLH16	43.6
	F 717	478	400	267	64DLH16	46.8
	F 778	519	400	267	60DLH17	50.4
	F 825	550	454	303	64DLH17	51.3
	F 827	552	548	366	80DLH16	48.3
	F 1023	682	682	646	104DLH18	55.0
	F 1070	714	714	528	88DLH18	60.2
	F 1254	836	836	665	96DLH19	63.9
	F 1398	932	932	830	104DLH20	69.9
	F 1411	941	941	754	96DLH20	72.0

F = FACTORED Load

Joist Span (ft.)	Total Load (plf)		Live Load (plf)		Joist Designation	Joist Wgt. (plf)
	Factored	Service				
	LRFD	ASD	1/240	1/360		
113 (cont.)	F 1424	950	950	715	88DLH20	78.7
	F 1757	1172	1172	1020	104DLH21	86.2
	F 1770	1181	1181	925	96DLH21	87.8
	F 1970	1314	1314	1186	104DLH22	93.2
	F 1983	1322	1322	1075	96DLH22	97.2
	F 2170	1447	1447	1241	104DLH23	102.5
	F 2556	1704	1704	1644	112DLH24	126.0
	114	F 384	256	201	134	60DLH12
F 396		264	229	153	64DLH12	27.9
F 466		311	244	163	60DLH13	32.4
F 481		321	279	186	64DLH13	33.1
F 516		344	259	173	60DLH14	35.2
F 517		345	334	223	72DLH14	33.1
F 550		367	298	199	64DLH14	35.7
F 597		398	354	236	68DLH15	40.1
F 607		405	307	205	60DLH15	42.3
F 631		421	351	234	64DLH15	42.7
F 708		472	415	277	68DLH16	43.5
F 711		474	393	262	64DLH16	46.8
F 765		510	391	261	60DLH17	50.4
F 819		546	447	298	64DLH17	51.5
F 925		617	617	455	88DLH17	52.3
F 1014		676	676	634	104DLH18	54.8
F 1060		707	707	518	88DLH18	60.2
F 1062		708	606	404	68DLH19	64.2
F 1243		829	829	654	96DLH19	63.8
F 1386		924	924	816	104DLH20	69.7
F 1398	932	932	741	96DLH20	71.7	
F 1411	941	941	702	88DLH20	78.7	
F 1742	1161	1161	1002	104DLH21	86.0	
F 1755	1170	1170	909	96DLH21	87.5	
F 1953	1302	1302	1166	104DLH22	92.9	
F 1965	1311	1311	1056	96DLH22	96.7	
F 2151	1434	1434	1220	104DLH23	103.4	
F 2533	1689	1689	1616	112DLH24	125.5	
115	F 378	252	196	131	60DLH12	27.8
	F 388	259	225	150	64DLH12	27.9
	F 459	306	237	158	60DLH13	32.5
	F 472	315	271	181	64DLH13	33.0
	F 507	338	255	170	60DLH14	35.0
	F 513	342	328	219	72DLH14	33.1
	F 540	360	289	193	64DLH14	35.7
	F 597	398	300	200	60DLH15	42.4
	F 621	414	342	228	64DLH15	42.6
	F 679	453	432	288	72DLH16	42.4
	F 699	466	381	254	64DLH16	46.8
	F 700	467	408	272	68DLH16	46.8
	F 751	501	381	254	60DLH17	50.4
	F 804	536	435	290	64DLH17	51.2
	F 894	596	555	370	72DLH18	54.7
F 1005	670	670	623	104DLH18	55.0	



Economical Load Tables

Joist Span (ft.)	Total Load (plf)		Live Load (plf)		Joist Designation	Joist Wgt. (plf)
	Factored	Service				
	LRFD	ASD	1/240	1/360		
115 (cont.)	F 1051	701	701	509	88DLH18	60.1
	F 1053	702	595	397	68DLH19	64.2
	F 1231	821	821	642	96DLH19	63.6
	F 1360	907	907	876	112DLH20	71.9
	F 1386	924	924	728	96DLH20	71.8
	F 1399	933	933	690	88DLH20	78.7
	F 1726	1151	1151	984	104DLH21	85.9
	F 1740	1160	1160	893	96DLH21	87.2
	F 1936	1291	1291	1145	104DLH22	92.9
	F 1948	1299	1299	1037	96DLH22	96.6
	F 2131	1421	1421	1198	104DLH23	103.2
	F 2511	1674	1674	1587	112DLH24	125.1
116	F 372	248	192	128	60DLH12	27.7
	F 382	255	219	146	64DLH12	27.9
	F 451	301	231	154	60DLH13	32.5
	F 454	303	283	189	68DLH13	32.1
	F 465	310	264	176	64DLH13	33.0
	F 498	332	247	165	60DLH14	35.3
	F 508	339	322	215	72DLH14	32.9
	F 531	354	283	189	64DLH14	35.7
	F 588	392	291	194	60DLH15	42.3
	F 610	407	334	223	64DLH15	42.5
	F 673	449	424	283	72DLH16	43.6
	F 687	458	372	248	64DLH16	46.5
	F 694	463	402	268	68DLH16	46.7
	F 739	493	370	247	60DLH17	50.5
	F 790	527	424	283	64DLH17	51.2
	F 886	591	544	363	72DLH18	54.7
	F 996	664	664	613	104DLH18	56.0
	F 1042	695	695	501	88DLH18	60.2
	F 1221	814	814	631	96DLH19	63.1
	F 1348	899	899	861	112DLH20	71.7
F 1374	916	916	716	96DLH20	71.6	
F 1387	925	925	678	88DLH20	80.1	
F 1712	1141	1141	968	104DLH21	85.2	
F 1906	1271	1271	1231	112DLH22	94.8	
F 1920	1280	1280	1126	104DLH22	93.4	
F 1932	1288	1288	1020	96DLH22	96.3	
F 2101	1401	1401	1288	112DLH23	105.6	
F 2113	1409	1409	1178	104DLH23	104.3	
F 2490	1660	1660	1560	112DLH24	124.4	
117	F 366	244	186	124	60DLH12	27.6
	F 376	251	213	142	64DLH12	27.8
	F 444	296	226	151	60DLH13	32.5
	F 450	300	279	186	68DLH13	32.1
	F 457	305	256	171	64DLH13	33.0
	F 490	327	241	161	60DLH14	35.1
	F 504	336	316	211	72DLH14	32.8
	F 523	349	276	184	64DLH14	35.7
	F 577	385	285	190	60DLH15	42.3
	F 580	387	336	224	68DLH15	41.2

F = FACTORED Load

Joist Span (ft.)	Total Load (plf)		Live Load (plf)		Joist Designation	Joist Wgt. (plf)
	Factored	Service				
	LRFD	ASD	1/240	1/360		
117 (cont.)	F 366	244	186	124	60DLH12	27.6
	F 376	251	213	142	64DLH12	27.8
	F 444	296	226	151	60DLH13	32.5
	F 450	300	279	186	68DLH13	32.1
	F 457	305	256	171	64DLH13	33.0
	F 490	327	241	161	60DLH14	35.1
	F 504	336	316	211	72DLH14	32.8
	F 523	349	276	184	64DLH14	35.7
	F 577	385	285	190	60DLH15	42.3
	F 580	387	336	224	68DLH15	41.2
	F 600	400	325	217	64DLH15	42.4
	F 667	445	417	278	72DLH16	43.6
	F 675	450	363	242	64DLH16	46.5
	F 688	459	394	263	68DLH16	46.7
	F 726	484	361	241	60DLH17	50.5
	F 777	518	412	275	64DLH17	51.1
	F 879	586	535	357	72DLH18	54.7
	F 988	659	659	602	104DLH18	56.3
	F 1033	689	689	492	88DLH18	60.2
	F 1035	690	576	384	68DLH19	64.2
	F 1181	788	788	747	112DLH19	65.1
	F 1201	801	801	684	104DLH19	65.1
	F 1211	808	808	621	96DLH19	67.3
	F 1337	892	892	847	112DLH20	71.5
F 1363	909	909	703	96DLH20	71.4	
F 1375	917	917	667	88DLH20	80.0	
F 1697	1132	1132	951	104DLH21	84.7	
F 1890	1260	1260	1210	112DLH22	94.8	
F 2083	1389	1389	1266	112DLH23	105.2	
F 2469	1646	1646	1534	112DLH24	125.4	
118	F 360	240	181	121	60DLH12	27.6
	F 370	247	207	138	64DLH12	27.8
	F 436	291	220	147	60DLH13	32.5
	F 445	297	274	183	68DLH13	32.0
	F 450	300	252	168	64DLH13	32.9
	F 481	321	234	156	60DLH14	35.1
	F 514	343	268	179	64DLH14	35.6
	F 568	379	277	185	60DLH15	42.3
	F 576	384	330	220	68DLH15	41.2
	F 591	394	316	211	64DLH15	42.4
	F 661	441	409	273	72DLH16	43.5
	F 664	443	352	235	64DLH16	46.5
	F 684	456	388	259	68DLH16	46.6
	F 714	476	352	235	60DLH17	50.5
	F 763	509	402	268	64DLH17	51.1
	F 769	513	441	294	68DLH17	50.8
F 871	581	526	351	72DLH18	54.8	
F 979	653	653	592	104DLH18	56.1	
F 1024	683	683	484	88DLH18	59.9	
F 1171	781	781	734	112DLH19	64.9	
F 1191	794	794	672	104DLH19	64.7	



Economical Load Tables

Joist Span (ft.)	Total Load (plf)		Live Load (plf)		Joist Designation	Joist Wgt. (plf)
	Factored	Service	1/240	1/360		
	LRFD	ASD				
118 (cont.)	F 1191	794	794	672	104DLH19	64.7
	F 1326	884	884	832	112DLH20	71.3
	F 1351	901	901	691	96DLH20	71.0
	F 1363	909	909	655	88DLH20	78.4
	F 1683	1122	1122	935	104DLH21	85.3
	F 1873	1249	1249	1189	112DLH22	94.5
	F 1887	1258	1258	1087	104DLH22	93.4
	F 1899	1266	1266	985	96DLH22	96.1
	F 2065	1377	1377	1244	112DLH23	104.9
	F 2448	1632	1632	1507	112DLH24	125.0
119	F 354	236	177	118	60DLH12	27.6
	F 364	243	202	135	64DLH12	28.0
	F 429	286	214	143	60DLH13	32.3
	F 442	295	244	163	64DLH13	32.7
	F 474	316	228	152	60DLH14	35.1
	F 505	337	261	174	64DLH14	35.6
	F 510	340	289	193	68DLH14	36.7
	F 559	373	270	180	60DLH15	42.3
	F 571	381	325	217	68DLH15	41.3
	F 580	387	309	206	64DLH15	42.4
	F 655	437	403	269	72DLH16	43.5
	F 678	452	381	254	68DLH16	48.6
	F 702	468	342	228	60DLH17	50.2
	F 751	501	393	262	64DLH17	50.8
	F 763	509	433	289	68DLH17	50.9
	F 864	576	517	345	72DLH18	54.8
	F 970	647	647	582	104DLH18	56.4
	F 1016	678	678	476	88DLH18	59.7
	F 1162	775	775	722	112DLH19	64.7
	F 1180	787	787	661	104DLH19	64.8
F 1315	877	877	818	112DLH20	70.2	
F 1327	885	885	749	104DLH20	72.5	
F 1339	893	893	680	96DLH20	78.2	
F 1353	902	902	644	88DLH20	78.5	
F 1656	1104	1104	1007	112DLH21	86.7	
F 1680	1121	1121	834	96DLH21	86.7	
F 1857	1239	1239	1170	112DLH22	94.3	
F 1883	1256	1256	969	96DLH22	95.8	
F 2048	1366	1366	1224	112DLH23	103.7	
F 2060	1374	1374	1119	104DLH23	104.8	
F 2427	1618	1618	1482	112DLH24	123.8	
120	F 348	232	172	115	60DLH12	27.6
	F 358	239	198	132	64DLH12	27.9
	F 423	282	208	139	60DLH13	32.3
	F 436	291	238	159	64DLH13	32.7
	F 438	292	265	177	68DLH13	32.5
	F 465	310	223	149	60DLH14	35.0
	F 498	332	256	171	64DLH14	35.6
	F 505	337	285	190	68DLH14	36.1
	F 550	367	262	175	60DLH15	42.3
	F 571	381	301	201	64DLH15	42.4

F = FACTORED Load

Joist Span (ft.)	Total Load (plf)		Live Load (plf)		Joist Designation	Joist Wgt. (plf)
	Factored	Service	1/240	1/360		
	LRFD	ASD				
120 (cont.)	F 651	434	396	264	72DLH16	43.5
	F 672	448	375	250	68DLH16	47.5
	F 690	460	334	223	60DLH17	50.2
	F 738	492	382	255	64DLH17	50.7
	F 739	493	457	305	80DLH16	47.7
	F 757	505	426	284	68DLH17	51.3
	F 796	531	378	252	60DLH18	57.3
	F 962	642	642	573	104DLH18	56.7
	F 988	659	659	521	96DLH18	61.6
	F 1008	672	672	468	88DLH18	62.2
	F 1152	768	768	710	112DLH19	64.9
	F 1171	781	781	650	104DLH19	64.8
	F 1303	869	869	805	112DLH20	70.0
	F 1315	877	877	736	104DLH20	72.7
	F 1328	886	886	668	96DLH20	78.0
	F 1343	896	896	634	88DLH20	78.4
	F 1642	1095	1095	990	112DLH21	86.4
	F 1667	1111	1111	820	96DLH21	86.4
	F 1842	1228	1228	1150	112DLH22	94.3
	F 1868	1245	1245	952	96DLH22	95.7
F 2031	1354	1354	1203	112DLH23	103.8	
F 2043	1362	1362	1100	104DLH23	105.0	
F 2406	1605	1605	1458	112DLH24	122.2	
121	F 352	235	193	129	64DLH12	28.2
	F 429	286	232	155	64DLH13	32.7
	F 435	290	261	174	68DLH13	32.5
	F 489	326	249	166	64DLH14	35.6
	F 501	334	280	187	68DLH14	36.0
	F 562	375	294	196	64DLH15	42.5
	F 645	430	390	260	72DLH16	43.5
	F 726	484	372	248	64DLH17	50.8
	F 751	501	420	280	68DLH17	51.4
	F 850	567	501	334	72DLH18	57.3
	F 870	580	580	449	96DLH17	57.6
	F 871	581	581	404	88DLH17	59.5
	F 954	636	636	563	104DLH18	59.5
	F 979	653	653	512	96DLH18	61.0
	F 1000	667	667	460	88DLH18	62.0
	F 1161	774	774	639	104DLH19	64.6
	F 1171	781	781	580	96DLH19	69.6
	F 1293	862	862	791	112DLH20	70.6
	F 1305	870	870	724	104DLH20	72.5
	F 1333	889	889	623	88DLH20	78.5
F 1528	1019	1019	999	120DLH21	84.6	
F 1629	1086	1086	973	112DLH21	87.4	
F 1641	1094	1094	889	104DLH21	87.9	
F 1653	1102	1102	806	96DLH21	89.7	
F 1752	1168	1168	1161	120DLH22	94.8	
F 1827	1218	1218	1131	112DLH22	94.1	
F 1852	1235	1235	936	96DLH22	95.8	
F 1939	1293	1293	1214	120DLH23	103.3	



Economical Load Tables

Joist Span (ft.)	Total Load (plf)		Live Load (plf)		Joist Designation	Joist Wgt. (plf)
	Factored	Service				
	LRFD	ASD	1/240	1/360		
121 (cont.)	F 2014	1343	1343	1183	112DLH23	103.6
	F 2026	1351	1351	1082	104DLH23	104.7
	F 2299	1533	1533	1472	120DLH24	120.7
	F 2386	1591	1591	1433	112DLH24	123.2
	F 2635	1757	1757	1725	120DLH25	137.3
122	F 346	231	187	125	64DLH12	28.1
	F 421	281	228	152	64DLH13	32.7
	F 432	288	256	171	68DLH13	32.5
	F 481	321	243	162	64DLH14	35.5
	F 483	322	291	194	72DLH14	35.2
	F 498	332	276	184	68DLH14	36.0
	F 553	369	286	191	64DLH15	42.5
	F 558	372	309	206	68DLH15	41.7
	F 640	427	384	256	72DLH16	43.5
	F 714	476	364	243	64DLH17	50.7
	F 720	480	436	291	72DLH17	50.9
	F 745	497	412	275	68DLH17	51.3
	F 843	562	492	328	72DLH18	57.3
	F 862	575	575	442	96DLH17	57.5
	F 946	631	631	554	104DLH18	59.6
	F 971	648	648	504	96DLH18	61.0
	F 984	656	656	449	88DLH18	62.0
	F 988	659	559	373	72DLH19	64.2
	F 1133	756	756	687	112DLH19	66.0
	F 1151	768	768	629	104DLH19	69.0
	F 1162	775	775	571	96DLH19	69.4
	F 1282	855	855	778	112DLH20	70.9
	F 1294	863	863	712	104DLH20	72.9
	F 1315	877	877	608	88DLH20	78.5
F 1516	1011	1011	983	120DLH21	84.7	
F 1615	1077	1077	958	112DLH21	87.2	
F 1627	1085	1085	875	104DLH21	88.1	
F 1738	1159	1159	1143	120DLH22	94.5	
F 1812	1208	1208	1113	112DLH22	93.9	
F 1824	1216	1216	1017	104DLH22	98.0	
F 1923	1283	1283	1195	120DLH23	103.0	
F 1998	1332	1332	1164	112DLH23	103.3	
F 2367	1578	1578	1410	112DLH24	122.9	
F 2614	1743	1743	1698	120DLH25	137.0	
123	F 342	228	183	122	64DLH12	28.1
	F 415	277	222	148	64DLH13	32.7
	F 426	284	252	168	68DLH13	32.5
	F 480	320	286	191	72DLH14	35.2
	F 490	327	268	179	68DLH14	36.1
	F 544	363	280	187	64DLH15	42.5
	F 547	365	301	201	68DLH15	41.7
	F 549	366	319	213	72DLH15	41.5
	F 634	423	376	251	72DLH16	43.5
	F 702	468	355	237	64DLH17	50.7
	F 714	476	429	286	72DLH17	51.0
	F 733	489	402	268	68DLH17	51.2

F = FACTORED Load

Joist Span (ft.)	Total Load (plf)		Live Load (plf)		Joist Designation	Joist Wgt. (plf)
	Factored	Service				
	LRFD	ASD	1/240	1/360		
123 (cont.)	F 837	558	484	323	72DLH18	57.2
	F 856	571	571	435	96DLH17	57.4
	F 939	626	626	545	104DLH18	59.4
	F 963	642	642	495	96DLH18	60.9
	F 968	646	646	438	88DLH18	61.8
	F 981	654	550	367	72DLH19	64.2
	F 1123	749	749	675	112DLH19	65.9
	F 1141	761	761	619	104DLH19	69.0
	F 1152	768	768	561	96DLH19	69.1
	F 1272	848	848	766	112DLH20	70.6
	F 1284	856	856	701	104DLH20	73.0
	F 1298	866	866	594	88DLH20	78.7
	F 1504	1003	1003	968	120DLH21	84.4
	F 1602	1068	1068	942	112DLH21	87.0
	F 1614	1076	1076	860	104DLH21	87.8
	F 1724	1150	1150	1125	120DLH22	94.3
	F 1797	1199	1199	1094	112DLH22	96.2
	F 1809	1207	1207	1001	104DLH22	97.6
	F 1908	1272	1272	1176	120DLH23	102.9
	F 1981	1321	1321	1145	112DLH23	106.1
F 1993	1329	1329	1047	104DLH23	110.9	
F 2262	1509	1509	1426	120DLH24	125.6	
F 2348	1566	1566	1387	112DLH24	124.9	
F 2593	1729	1729	1671	120DLH25	136.3	
124	F 336	224	178	119	64DLH12	27.9
	F 409	273	216	144	64DLH13	32.8
	F 418	279	246	164	68DLH13	32.5
	F 483	322	262	175	68DLH14	36.0
	F 537	358	273	182	64DLH15	42.5
	F 540	360	294	196	68DLH15	41.7
	F 544	363	315	210	72DLH15	41.5
	F 630	420	370	247	72DLH16	43.5
	F 691	461	346	231	64DLH17	50.8
	F 708	472	421	281	72DLH17	50.8
	F 721	481	393	262	68DLH17	51.2
	F 735	490	490	336	88DLH16	49.3
	F 829	553	477	318	72DLH18	57.7
	F 849	566	566	428	96DLH17	57.4
	F 931	621	621	536	104DLH18	59.3
F 955	637	637	487	96DLH18	60.9	
F 973	649	541	361	72DLH19	64.3	
F 1114	743	743	664	112DLH19	66.1	
F 1132	755	755	609	104DLH19	68.8	
F 1143	762	762	552	96DLH19	69.2	
F 1261	841	841	753	112DLH20	70.7	
F 1285	857	857	626	96DLH20	79.6	
F 1492	995	995	952	120DLH21	84.3	
F 1588	1059	1059	927	112DLH21	86.8	
F 1600	1067	1067	846	104DLH21	87.6	
F 1710	1140	1140	1107	120DLH22	94.0	
F 1783	1189	1189	1076	112DLH22	96.4	



Economical Load Tables

Joist Span (ft.)	Total Load (plf)		Live Load (plf)		Joist Designation	Joist Wgt. (plf)
	Factored	Service	1/240	1/360		
	LRFD	ASD				
124 (cont.)	F 1795	1197	1197	984	104DLH22	97.4
	F 1892	1262	1262	1157	120DLH23	102.6
	F 1965	1310	1310	1126	112DLH23	106.7
	F 1977	1318	1318	1030	104DLH23	110.5
	F 2244	1496	1496	1403	120DLH24	125.2
	F 2329	1553	1553	1364	112DLH24	124.6
	F 2572	1715	1715	1644	120DLH25	170.8
125	F 331	221	174	116	64DLH12	27.9
	F 403	269	211	141	64DLH13	32.7
	F 412	275	238	159	68DLH13	32.4
	F 475	317	256	171	68DLH14	35.9
	F 528	352	265	177	64DLH15	42.4
	F 531	354	286	191	68DLH15	41.6
	F 540	360	310	207	72DLH15	41.6
	F 591	394	297	198	64DLH16	46.6
	F 624	416	364	243	72DLH16	46.8
	F 681	454	339	226	64DLH17	50.7
	F 702	468	415	277	72DLH17	50.8
	F 723	482	482	328	88DLH16	48.8
	F 787	525	486	324	80DLH17	55.2
	F 823	549	469	313	72DLH18	59.3
	F 842	562	562	421	96DLH17	57.3
	F 948	632	632	479	96DLH18	60.9
	F 964	643	532	355	72DLH19	64.3
	F 1105	737	737	654	112DLH19	65.9
	F 1123	749	749	599	104DLH19	68.6
	F 1134	756	756	543	96DLH19	69.0
	F 1190	794	794	760	120DLH20	72.4
	F 1251	834	834	741	112DLH20	73.4
	F 1275	850	850	616	96DLH20	79.5
	F 1480	987	987	937	120DLH21	84.1
	F 1575	1051	1051	912	112DLH21	86.3
F 1587	1059	1059	833	104DLH21	87.3	
F 1696	1131	1131	1089	120DLH22	94.8	
F 1769	1179	1179	1059	112DLH22	96.1	
F 1781	1187	1187	969	104DLH22	96.8	
F 1877	1251	1251	1138	120DLH23	102.5	
F 1949	1300	1300	1109	112DLH23	106.4	
F 1961	1308	1308	1014	104DLH23	110.4	
F 2226	1484	1484	1380	120DLH24	124.8	
F 2310	1541	1541	1343	112DLH24	124.7	
F 2551	1701	1701	1617	120DLH25	135.6	
126	F 327	218	171	114	64DLH12	27.8
	F 396	264	205	137	64DLH13	32.7
	F 406	271	232	155	68DLH13	32.3
	F 468	312	250	167	68DLH14	35.9
	F 520	347	259	173	64DLH15	42.4
	F 522	348	280	187	68DLH15	41.6
	F 535	357	304	203	72DLH15	41.6
	F 582	388	289	193	64DLH16	46.7
	F 619	413	360	240	72DLH16	48.5

F = FACTORED Load

Joist Span (ft.)	Total Load (plf)		Live Load (plf)		Joist Designation	Joist Wgt. (plf)	
	Factored	Service	1/240	1/360			
	LRFD	ASD					
126 (cont.)	F 669	446	395	263	80DLH16	44.6	
	F 700	467	373	249	68DLH17	51.2	
	F 802	535	535	358	88DLH17	52.7	
	F 816	544	462	308	72DLH18	59.2	
	F 835	557	557	415	96DLH17	60.3	
	F 940	627	627	472	96DLH18	60.9	
	F 1066	711	692	461	88DLH19	63.7	
	F 1114	743	743	590	104DLH19	67.9	
	F 1125	750	750	535	96DLH19	68.9	
	F 1180	787	787	747	120DLH20	72.2	
	F 1265	844	844	606	96DLH20	79.5	
	F 1468	979	979	921	120DLH21	83.9	
	F 1563	1042	1042	898	112DLH21	86.6	
	F 1575	1050	1050	820	104DLH21	87.4	
	F 1587	1058	1058	743	96DLH21	92.8	
	F 1683	1122	1122	1071	120DLH22	95.3	
	F 1766	1178	1178	953	104DLH22	96.6	
	F 1861	1241	1241	1119	120DLH23	102.5	
	F 1934	1289	1289	1091	112DLH23	106.5	
	F 1946	1297	1297	998	104DLH23	109.8	
	F 2208	1472	1472	1357	120DLH24	125.5	
	F 2292	1528	1528	1322	112DLH24	124.4	
	F 2530	1687	1687	1590	120DLH25	135.2	
	127	F 321	214	166	111	64DLH12	27.8
		F 390	260	201	134	64DLH13	32.8
F 400		267	228	152	68DLH13	32.3	
F 462		308	244	163	68DLH14	35.9	
F 463		309	268	179	72DLH14	35.6	
F 511		341	255	170	64DLH15	42.3	
F 514		343	273	182	68DLH15	41.5	
F 531		354	300	200	72DLH15	42.1	
F 573		382	283	189	64DLH16	46.6	
F 615		410	354	236	72DLH16	47.4	
F 658		439	385	257	80DLH16	44.6	
F 690		460	366	244	68DLH17	51.2	
F 691		461	402	268	72DLH17	51.4	
F 810		540	454	303	72DLH18	58.3	
F 829		553	553	408	96DLH17	60.4	
F 933		622	622	464	96DLH18	60.7	
F 1048		699	675	450	88DLH19	63.6	
F 1105		737	737	580	104DLH19	67.9	
F 1116		744	744	526	96DLH19	68.7	
F 1171		781	781	736	120DLH20	71.7	
F 1255		837	837	596	96DLH20	79.2	
F 1457		971	971	907	120DLH21	83.6	
F 1551		1034	1034	883	112DLH21	86.4	
F 1563		1042	1042	807	104DLH21	87.2	
F 1575		1050	1050	731	96DLH21	93.3	
F 1670	1113	1113	1055	120DLH22	95.0		
F 1752	1168	1168	938	104DLH22	96.3		
F 1847	1232	1232	1102	120DLH23	102.2		



Economical Load Tables

Joist Span (ft.)	Total Load (plf)		Live Load (plf)		Joist Designation	Joist Wgt. (plf)
	Factored	Service				
	LRFD	ASD	1/240	1/360		
127 (cont.)	F 1918	1279	1279	1074	112DLH23	106.2
	F 1930	1287	1287	982	104DLH23	109.5
	F 2191	1461	1461	1337	120DLH24	125.2
	F 2274	1516	1516	1301	112DLH24	124.1
	F 2511	1674	1674	1566	120DLH25	135.0
128	F 316	211	163	109	64DLH12	27.8
	F 385	257	196	131	64DLH13	32.6
	F 394	263	223	149	68DLH13	32.3
	F 454	303	238	159	68DLH14	35.9
	F 460	307	264	176	72DLH14	35.6
	F 504	336	247	165	64DLH15	42.1
	F 505	337	267	178	68DLH15	41.4
	F 528	352	295	197	72DLH15	42.1
	F 564	376	276	184	64DLH16	46.4
	F 610	407	348	232	72DLH16	47.4
	F 648	432	376	251	80DLH16	44.7
	F 679	453	357	238	68DLH17	51.3
	F 685	457	396	264	72DLH17	51.4
	F 690	460	458	306	88DLH16	49.6
	F 753	502	453	302	80DLH17	54.9
	F 804	536	447	298	72DLH18	58.2
	F 823	549	549	402	96DLH17	60.1
	F 925	617	617	457	96DLH18	60.8
	F 1032	688	660	440	88DLH19	63.7
	F 1096	731	731	571	104DLH19	68.0
	F 1162	775	775	725	120DLH20	71.6
	F 1249	833	833	587	96DLH20	79.2
	F 1445	964	964	893	120DLH21	86.0
	F 1539	1026	1026	870	112DLH21	87.3
F 1551	1034	1034	795	104DLH21	87.0	
F 1563	1042	1042	720	96DLH21	93.0	
F 1657	1105	1105	1039	120DLH22	94.8	
F 1727	1151	1151	1010	112DLH22	96.0	
F 1738	1159	1159	924	104DLH22	101.3	
F 1833	1222	1222	1085	120DLH23	105.1	
F 1903	1269	1269	1058	112DLH23	106.4	
F 1915	1277	1277	967	104DLH23	119.3	
F 2256	1504	1504	1281	112DLH24	124.9	
F 2491	1661	1661	1542	120DLH25	138.7	
129	F 388	259	217	145	68DLH13	32.3
	F 448	299	232	155	68DLH14	35.9
	F 457	305	261	174	72DLH14	36.4
	F 498	332	261	174	68DLH15	41.5
	F 523	349	291	194	72DLH15	42.1
	F 533	355	315	210	80DLH15	41.4
	F 604	403	343	229	72DLH16	47.3
	F 638	426	368	246	80DLH16	44.7
	F 669	446	348	232	68DLH17	51.1
	F 681	454	390	260	72DLH17	51.3
	F 741	495	442	295	80DLH17	54.9
	F 816	544	544	395	96DLH17	60.1

F = FACTORED Load

Joist Span (ft.)	Total Load (plf)		Live Load (plf)		Joist Designation	Joist Wgt. (plf)
	Factored	Service				
	LRFD	ASD	1/240	1/360		
129 (cont.)	F 879	586	568	379	88DLH18	60.7
	F 895	597	597	495	104DLH18	62.2
	F 919	613	613	450	96DLH18	63.4
	F 1015	677	645	430	88DLH19	63.7
	F 1072	715	715	614	112DLH19	70.4
	F 1088	726	726	563	104DLH19	70.6
	F 1099	733	733	510	96DLH19	71.6
	F 1153	769	769	713	120DLH20	78.8
	F 1242	828	828	578	96DLH20	79.3
	F 1434	956	956	880	120DLH21	86.8
	F 1527	1018	1018	856	112DLH21	87.5
	F 1539	1026	1026	782	104DLH21	91.9
	F 1644	1096	1096	1022	120DLH22	94.5
	F 1713	1143	1143	995	112DLH22	99.8
	F 1725	1150	1150	909	104DLH22	101.1
130	F 1819	1213	1213	1069	120DLH23	104.9
	F 1888	1259	1259	1041	112DLH23	106.1
	F 1900	1267	1267	952	104DLH23	118.8
	F 2157	1438	1438	1296	120DLH24	124.6
	F 2238	1493	1493	1261	112DLH24	125.7
	F 2472	1648	1648	1519	120DLH25	138.4
	F 382	255	213	142	68DLH13	32.6
	F 454	303	256	171	72DLH14	36.3
	F 490	327	255	170	68DLH15	41.4
	F 520	347	286	191	72DLH15	42.1
	F 525	350	307	205	80DLH15	41.4
	F 628	419	360	240	80DLH16	44.3
	F 670	447	436	291	88DLH16	48.9
	F 676	451	384	256	72DLH17	51.3
	F 730	487	432	288	80DLH17	54.9
F 865	577	555	370	88DLH18	57.3	
F 888	592	592	487	104DLH18	62.1	
F 912	608	608	443	96DLH18	63.4	
F 999	666	630	420	88DLH19	63.7	
F 1063	709	709	604	112DLH19	70.3	
F 1080	720	720	554	104DLH19	70.4	
F 1090	727	727	502	96DLH19	71.4	
F 1144	763	763	702	120DLH20	78.6	
F 1215	810	810	627	104DLH20	79.1	
F 1236	824	824	569	96DLH20	79.4	
F 1422	949	949	866	120DLH21	86.6	
F 1425	950	876	584	88DLH21	87.5	
F 1515	1010	1010	843	112DLH21	89.4	
F 1527	1018	1018	770	104DLH21	91.9	
F 1631	1088	1088	1006	120DLH22	94.2	
F 1701	1134	1134	979	112DLH22	99.5	
F 1711	1141	1141	895	104DLH22	100.9	
F 1805	1203	1203	1052	120DLH23	104.6	
F 1873	1249	1249	1025	112DLH23	106.3	
F 1885	1257	1257	937	104DLH23	118.6	
F 2140	1427	1427	1275	120DLH24	124.1	



Economical Load Tables

Joist Span (ft.)	Total Load (plf)		Live Load (plf)		Joist Designation	Joist Wgt. (plf)
	Factored	Service	1/240	1/360		
	LRFD	ASD				
130 (cont.)	F 2221	1481	1481	1241	112DLH24	124.8
	F 2452	1635	1635	1495	120DLH25	138.9
131	F 378	252	207	138	68DLH13	32.6
	F 447	298	250	167	72DLH14	36.3
	F 483	322	249	166	68DLH15	41.3
	F 513	342	280	187	72DLH15	42.1
	F 517	345	301	201	80DLH15	41.3
	F 618	413	352	235	80DLH16	44.2
	F 649	433	333	222	68DLH17	51.0
	F 667	445	375	250	72DLH17	51.3
	F 720	480	422	282	80DLH17	54.6
	F 798	532	532	380	96DLH17	60.1
	F 881	588	588	480	104DLH18	62.0
	F 899	600	600	433	96DLH18	63.0
	F 984	656	615	411	88DLH19	63.7
	F 1072	715	715	546	104DLH19	70.2
	F 1135	757	757	691	120DLH20	71.1
	F 1218	812	812	556	96DLH20	79.2
	F 1411	941	941	852	120DLH21	86.4
	F 1503	1002	1002	830	112DLH21	89.6
	F 1515	1010	1010	758	104DLH21	90.3
	F 1618	1079	1079	990	120DLH22	94.3
F 1688	1125	1125	964	112DLH22	99.6	
F 1698	1133	1133	882	104DLH22	100.9	
F 1791	1194	1194	1035	120DLH23	104.4	
F 1859	1240	1240	1010	112DLH23	106.9	
F 1871	1248	1248	923	104DLH23	117.6	
F 2124	1416	1416	1255	120DLH24	123.9	
F 2204	1470	1470	1223	112DLH24	125.6	
F 2433	1622	1622	1471	120DLH25	138.6	
132	F 372	248	202	135	68DLH13	32.5
	F 441	294	244	163	72DLH14	36.3
	F 475	317	243	162	68DLH15	41.7
	F 504	336	274	183	72DLH15	42.0
	F 510	340	294	196	80DLH15	41.3
	F 609	406	343	229	80DLH16	43.9
	F 640	427	325	217	68DLH17	51.3
	F 657	438	367	245	72DLH17	51.3
	F 709	473	413	275	80DLH17	54.6
	F 729	487	466	311	88DLH17	59.8
	F 874	583	583	472	104DLH18	61.8
	F 886	591	591	423	96DLH18	62.8
	F 969	646	602	401	88DLH19	63.6
	F 1063	709	709	537	104DLH19	70.1
	F 1127	751	751	681	120DLH20	78.4
	F 1201	801	801	544	96DLH20	79.2
	F 1401	934	934	840	120DLH21	86.2
	F 1492	995	995	818	112DLH21	89.4
	F 1504	1003	1003	747	104DLH21	93.2
	F 1606	1071	1071	976	120DLH22	99.0
F 1674	1117	1117	950	112DLH22	99.3	

F = FACTORED Load

Joist Span (ft.)	Total Load (plf)		Live Load (plf)		Joist Designation	Joist Wgt. (plf)
	Factored	Service	1/240	1/360		
	LRFD	ASD				
132 (cont.)	F 1686	1124	1124	868	104DLH22	100.8
	F 1845	1230	1230	994	112DLH23	113.1
	F 1857	1238	1238	909	104DLH23	117.6
	F 2108	1406	1406	1237	120DLH24	118.3
	F 2187	1458	1458	1204	112DLH24	133.6
	F 2415	1610	1610	1450	120DLH25	138.3
133	F 366	244	199	133	68DLH13	32.5
	F 435	290	238	159	72DLH14	36.3
	F 468	312	237	158	68DLH15	41.6
	F 496	331	267	178	72DLH15	42.0
	F 502	335	288	192	80DLH15	41.3
	F 600	400	336	224	80DLH16	43.7
	F 642	428	408	272	88DLH16	48.5
	F 648	432	358	239	72DLH17	51.3
	F 699	466	403	269	80DLH17	54.6
	F 718	479	456	304	88DLH17	59.7
	F 826	551	519	346	88DLH18	60.4
	F 868	579	579	465	104DLH18	62.0
	F 874	583	583	413	96DLH18	62.6
	F 954	636	588	392	88DLH19	63.9
	F 1056	704	704	529	104DLH19	69.9
	F 1118	746	746	671	120DLH20	78.0
	F 1183	789	789	531	96DLH20	79.4
	F 1186	791	791	599	104DLH20	81.9
	F 1391	927	927	827	120DLH21	91.1
	F 1480	987	987	805	112DLH21	89.1
F 1492	995	995	735	104DLH21	94.9	
F 1594	1063	1063	962	120DLH22	98.7	
F 1662	1108	1108	935	112DLH22	99.0	
F 1674	1116	1116	855	104DLH22	106.7	
F 1831	1221	1221	979	112DLH23	112.7	
F 1843	1229	1229	895	104DLH23	117.5	
F 2092	1395	1395	1219	120DLH24	118.0	
F 2170	1447	1447	1186	112DLH24	133.5	
F 2397	1598	1598	1428	120DLH25	138.0	
134	F 361	241	195	130	68DLH13	32.5
	F 427	285	232	155	72DLH14	36.3
	F 462	308	232	155	68DLH15	41.5
	F 489	326	261	174	72DLH15	41.8
	F 495	330	281	188	80DLH15	41.3
	F 591	394	328	219	80DLH16	43.9
	F 621	414	312	208	68DLH17	51.0
	F 633	422	399	266	88DLH17	48.9
	F 639	426	349	233	72DLH17	51.2
	F 689	459	395	263	80DLH17	54.6
	F 708	472	446	297	88DLH17	59.7
	F 814	543	507	338	88DLH18	60.3
	F 862	575	575	458	104DLH18	61.8
	F 940	627	575	384	88DLH19	63.8
	F 1048	699	699	521	104DLH19	69.7
	F 1110	740	740	661	120DLH20	73.3



Economical Load Tables

Joist Span (ft.)	Total Load (plf)		Live Load (plf)		Joist Designation	Joist Wgt. (plf)
	Factored	Service				
	LRFD	ASD	1/240	1/360		
134 (cont.)	F 1165	777	777	519	96DLH20	79.7
	F 1167	778	778	645	112DLH20	81.8
	F 1177	785	785	590	104DLH20	81.8
	F 1380	921	921	815	120DLH21	91.0
	F 1470	980	980	793	112DLH21	88.9
	F 1481	988	988	724	104DLH21	94.7
	F 1582	1055	1055	947	120DLH22	98.5
	F 1650	1100	1100	921	112DLH22	103.8
	F 1661	1108	1108	843	104DLH22	106.4
	F 1829	1220	1220	882	104DLH23	117.4
	F 2077	1385	1385	1201	120DLH24	117.7
	F 2154	1436	1436	1169	112DLH24	133.3
	F 2379	1587	1587	1407	120DLH25	137.7
	135	F 355	237	190	127	68DLH13
F 421		281	228	152	72DLH14	36.2
F 454		303	228	152	68DLH15	41.5
F 483		322	256	171	72DLH15	41.7
F 488		326	274	183	80DLH15	41.3
F 582		389	321	214	80DLH16	43.8
F 612		408	304	203	68DLH17	50.8
F 624		416	390	260	88DLH16	48.7
F 630		420	342	228	72DLH17	51.3
F 678		453	386	258	80DLH17	54.5
F 697		465	435	291	88DLH17	59.7
F 802		535	495	331	88DLH18	60.0
F 855		570	570	452	104DLH18	61.7
F 925		617	563	375	88DLH19	63.4
F 1039		693	693	514	104DLH19	69.9
F 1101		735	735	651	120DLH20	73.1
F 1159		773	773	635	112DLH20	81.6
F 1169		780	780	582	104DLH20	81.7
F 1370		914	914	802	120DLH21	89.1
F 1459		973	973	782	112DLH21	93.5
F 1470	980	980	714	104DLH21	94.5	
F 1638	1092	1092	908	112DLH22	103.7	
F 1649	1099	1099	830	104DLH22	107.2	
F 1815	1210	1210	869	104DLH23	117.4	
F 2061	1374	1374	1183	120DLH24	117.5	
F 2362	1575	1575	1385	120DLH25	137.2	
136	F 351	234	186	124	68DLH13	32.5
	F 415	277	223	149	72DLH14	37.0
	F 448	299	222	148	68DLH15	41.4
	F 475	317	250	167	72DLH15	41.7
	F 481	321	268	179	80DLH15	41.2
	F 574	383	313	209	80DLH16	43.7
	F 604	403	297	198	68DLH17	50.7
	F 621	414	336	224	72DLH17	51.0
	F 669	446	378	252	80DLH17	52.5
	F 790	527	484	323	88DLH18	59.5
	F 849	566	566	445	104DLH18	61.5
	F 912	608	550	367	88DLH19	64.9

F = FACTORED Load

Joist Span (ft.)	Total Load (plf)		Live Load (plf)		Joist Designation	Joist Wgt. (plf)	
	Factored	Service					
	LRFD	ASD	1/240	1/360			
136 (cont.)	F 1032	688	688	506	104DLH19	69.8	
	F 1093	729	729	641	120DLH20	70.7	
	F 1161	774	774	573	104DLH20	81.6	
	F 1360	907	907	790	120DLH21	87.1	
	F 1449	966	966	770	112DLH21	93.5	
	F 1459	973	973	703	104DLH21	94.6	
	F 1558	1039	1039	919	120DLH22	97.1	
	F 1626	1084	1084	894	112DLH22	103.4	
	F 1725	1150	1150	960	120DLH23	106.8	
	F 1801	1201	1201	856	104DLH23	117.2	
	F 2046	1364	1364	1165	120DLH24	123.7	
	F 2344	1563	1563	1364	120DLH25	137.1	
	137	F 411	274	219	146	72DLH14	40.3
		F 468	312	244	163	72DLH15	41.7
F 474		316	262	175	80DLH15	41.1	
F 566		377	307	205	80DLH16	44.9	
F 612		408	327	218	72DLH17	50.9	
F 659		440	369	246	80DLH17	52.6	
F 778		519	474	316	88DLH18	59.4	
F 843		562	562	439	104DLH18	61.4	
F 898		599	538	359	88DLH19	64.7	
F 1008		672	672	544	112DLH19	69.7	
F 1085		724	724	632	120DLH20	72.8	
F 1141		761	761	617	112DLH20	81.5	
F 1156		771	771	565	104DLH20	81.5	
F 1350		900	900	779	120DLH21	88.6	
F 1438		959	959	759	112DLH21	93.3	
F 1450		967	967	693	104DLH21	94.4	
F 1547		1032	1032	906	120DLH22	98.6	
F 1614		1076	1076	881	112DLH22	103.2	
F 1626		1084	1084	806	104DLH22	106.7	
F 1712		1142	1142	947	120DLH23	108.8	
F 1791	1194	1194	844	104DLH23	117.2		
F 2031	1354	1354	1149	120DLH24	131.0		
F 2327	1552	1552	1345	120DLH25	137.8		
138	F 405	270	214	143	72DLH14	40.2	
	F 462	308	240	160	72DLH15	41.7	
	F 467	312	256	171	80DLH15	41.2	
	F 557	372	300	200	80DLH16	44.8	
	F 603	402	319	213	72DLH17	50.9	
	F 650	433	361	241	80DLH17	57.7	
	F 767	512	464	310	88DLH18	59.3	
	F 837	558	558	432	104DLH18	61.4	
	F 886	591	526	351	88DLH19	64.7	
	F 1001	668	668	536	112DLH19	69.7	
	F 1077	719	719	623	120DLH20	72.6	
	F 1133	756	756	608	112DLH20	81.3	
	F 1150	767	767	556	104DLH20	81.8	
	F 1340	894	894	768	120DLH21	88.4	
F 1428	952	952	748	112DLH21	93.0		
F 1442	962	962	683	104DLH21	94.2		



Economical Load Tables

Joist Span (ft.)	Total Load (plf)		Live Load (plf)		Joist Designation	Joist Wgt. (plf)
	Factored	Service	1/240	1/360		
	LRFD	ASD				
138 (cont.)	F 1536	1024	1024	893	120DLH22	98.3
	F 1602	1068	1068	869	112DLH22	103.3
	F 1616	1078	1078	795	104DLH22	106.5
	F 1700	1134	1134	933	120DLH23	108.8
	F 1764	1177	1177	909	112DLH23	121.5
	F 2016	1344	1344	1132	120DLH24	126.7
	F 2310	1541	1541	1326	120DLH25	137.5
139	F 399	266	208	139	72DLH14	40.5
	F 454	303	234	156	72DLH15	41.9
	F 460	307	250	167	80DLH15	41.1
	F 549	366	294	196	80DLH16	44.7
	F 591	394	357	238	88DLH16	48.8
	F 595	397	313	209	72DLH17	51.2
	F 640	427	352	235	80DLH17	57.7
	F 658	439	399	266	88DLH17	59.8
	F 756	504	454	303	88DLH18	60.0
	F 802	535	535	362	96DLH18	61.1
	F 831	554	554	426	104DLH18	63.9
	F 873	582	514	343	88DLH19	64.6
	F 994	663	663	528	112DLH19	69.5
	F 1070	713	713	614	120DLH20	72.4
	F 1125	750	750	599	112DLH20	81.2
	F 1146	764	764	548	104DLH20	81.8
	F 1330	887	887	757	120DLH21	88.1
	F 1350	900	856	571	96DLH21	88.5
	F 1417	945	945	737	112DLH21	92.8
	F 1525	1017	1017	880	120DLH22	98.0
F 1590	1060	1060	856	112DLH22	103.1	
F 1688	1125	1125	920	120DLH23	108.5	
F 1752	1168	1168	896	112DLH23	121.3	
F 2001	1335	1335	1116	120DLH24	126.3	
F 2077	1385	1385	1085	112DLH24	136.6	
F 2294	1529	1529	1307	120DLH25	141.4	
140	F 393	262	204	136	72DLH14	40.5
	F 448	299	228	152	72DLH15	41.8
	F 454	303	245	164	80DLH15	41.6
	F 540	361	288	192	80DLH16	44.5
	F 582	389	349	233	88DLH16	48.8
	F 586	391	307	205	72DLH17	51.0
	F 632	421	345	230	80DLH17	57.8
	F 648	433	390	260	88DLH17	59.7
	F 745	497	444	297	88DLH18	60.0
	F 791	528	528	355	96DLH18	61.2
	F 820	547	547	417	104DLH18	63.8
	F 860	574	504	336	88DLH19	64.4
	F 987	658	658	521	112DLH19	69.6
	F 1062	708	708	605	120DLH20	72.2
	F 1117	745	745	591	112DLH20	81.0
	F 1132	755	755	536	104DLH20	81.5
	F 1320	881	881	746	120DLH21	88.1
	F 1332	888	838	559	96DLH21	88.2

F = FACTORED Load

Joist Span (ft.)	Total Load (plf)		Live Load (plf)		Joist Designation	Joist Wgt. (plf)
	Factored	Service	1/240	1/360		
	LRFD	ASD				
140 (cont.)	F 1407	938	938	727	112DLH21	92.5
	F 1514	1009	1009	867	120DLH22	97.8
	F 1578	1053	1053	844	112DLH22	102.5
	F 1675	1117	1117	906	120DLH23	108.2
	F 1740	1160	1160	883	112DLH23	120.9
	F 1987	1325	1325	1099	120DLH24	125.9
	F 2062	1375	1375	1070	112DLH24	136.2
F 2277	1518	1518	1288	120DLH25	141.8	
141	F 388	259	199	133	72DLH14	40.5
	F 442	295	225	150	72DLH15	41.8
	F 448	299	240	160	80DLH15	41.5
	F 533	355	282	188	80DLH16	44.0
	F 575	383	342	228	88DLH16	48.7
	F 579	386	300	200	72DLH17	51.0
	F 623	416	338	226	80DLH17	51.8
	F 704	469	387	259	80DLH18	58.4
	F 780	520	520	347	96DLH18	61.1
	F 808	539	539	409	104DLH18	63.6
	F 847	565	493	329	88DLH19	63.7
	F 930	620	590	393	96DLH19	68.6
	F 980	654	654	513	112DLH19	71.7
	F 984	656	656	463	104DLH19	72.6
	F 1054	703	703	596	120DLH20	74.9
	F 1120	747	747	525	104DLH20	81.3
	F 1311	874	874	735	120DLH21	87.9
	F 1314	876	820	547	96DLH21	88.2
	F 1397	932	932	716	112DLH21	92.5
	F 1503	1002	1002	854	120DLH22	97.5
F 1568	1045	1045	832	112DLH22	102.3	
F 1663	1109	1109	893	120DLH23	107.7	
F 1972	1315	1315	1083	120DLH24	125.6	
F 2047	1365	1365	1055	112DLH24	134.1	
F 2260	1507	1507	1269	120DLH25	140.8	
142	F 382	255	196	131	72DLH14	40.5
	F 436	291	220	147	72DLH15	41.8
	F 442	295	235	157	80DLH15	41.5
	F 525	350	276	184	80DLH16	44.0
	F 571	381	294	196	72DLH17	51.0
	F 615	410	331	221	80DLH17	51.8
	F 630	420	373	249	88DLH17	53.6
	F 724	483	426	284	88DLH18	57.1
	F 769	513	510	340	96DLH18	61.2
	F 798	532	532	400	104DLH18	63.4
	F 835	557	483	322	88DLH19	63.7
	F 916	611	577	385	96DLH19	65.0
	F 973	649	649	506	112DLH19	71.6
	F 1036	691	654	436	96DLH20	72.5
	F 1047	698	698	588	120DLH20	74.7
	F 1107	738	738	513	104DLH20	80.7
	F 1302	868	868	725	120DLH21	87.6
	F 1387	925	925	706	112DLH21	92.3



Economical Load Tables

Joist Span (ft.)	Total Load (plf)		Live Load (plf)		Joist Designation	Joist Wgt. (plf)
	Factored	Service				
	LRFD	ASD	1/240	1/360		
142 (cont.)	F 1492	995	995	843	120DLH22	97.5
	F 1557	1038	1038	820	112DLH22	102.5
	F 1652	1101	1101	881	120DLH23	107.0
	F 1959	1306	1306	1068	120DLH24	125.6
	F 2032	1355	1355	1040	112DLH24	134.0
	F 2244	1497	1497	1252	120DLH25	140.2
143	F 378	252	192	128	72DLH14	40.4
	F 429	286	214	143	72DLH15	41.8
	F 436	291	230	154	80DLH15	41.5
	F 519	346	270	180	80DLH16	44.0
	F 564	376	286	191	72DLH17	51.0
	F 606	404	324	216	80DLH17	51.8
	F 714	476	417	278	88DLH18	57.0
	F 759	506	499	333	96DLH18	61.1
	F 787	525	525	392	104DLH18	63.4
	F 823	549	473	315	88DLH19	63.4
	F 903	602	565	377	96DLH19	65.1
	F 966	644	644	499	112DLH19	71.5
	F 1021	681	640	427	96DLH20	72.6
	F 1040	693	693	580	120DLH20	74.5
	F 1095	730	730	503	104DLH20	80.6
	F 1293	862	862	715	120DLH21	87.4
	F 1378	919	919	696	112DLH21	92.3
	F 1482	988	988	831	120DLH22	97.3
F 1545	1031	1031	809	112DLH22	102.2	
F 1640	1094	1094	869	120DLH23	106.7	
F 1945	1297	1297	1054	120DLH24	125.3	
F 2018	1346	1346	1026	112DLH24	133.9	
F 2229	1486	1486	1235	120DLH25	139.9	
144	F 372	248	187	125	72DLH14	36.0
	F 423	282	210	140	72DLH15	41.8
	F 430	287	225	150	80DLH15	41.5
	F 513	342	264	176	80DLH16	43.9
	F 552	368	321	214	88DLH16	49.4
	F 556	371	282	188	72DLH17	51.0
	F 597	399	317	212	80DLH17	51.8
	F 612	409	358	239	88DLH17	53.2
	F 704	470	408	273	88DLH18	56.7
	F 749	500	489	326	96DLH18	61.1
	F 778	519	519	383	104DLH18	63.2
	F 812	542	462	309	88DLH19	63.2
	F 890	594	553	369	96DLH19	64.8
	F 959	640	640	493	112DLH19	71.4
	F 1007	672	627	418	96DLH20	72.4
	F 1032	689	689	572	120DLH20	74.2
	F 1083	722	722	493	104DLH20	83.3
	F 1284	856	856	706	120DLH21	86.8
	F 1368	912	912	687	112DLH21	95.4
	F 1472	982	982	820	120DLH22	100.6
F 1534	1023	1023	798	112DLH22	102.0	
F 1629	1086	1086	857	120DLH23	106.7	

F = FACTORED Load

Joist Span (ft.)	Total Load (plf)		Live Load (plf)		Joist Designation	Joist Wgt. (plf)
	Factored	Service				
	LRFD	ASD	1/240	1/360		
144 (cont.)	F 1932	1288	1288	1039	120DLH24	125.0
	F 2004	1336	1336	1011	112DLH24	134.0
	F 2213	1476	1476	1218	120DLH25	139.5
145	F 424	283	220	147	80DLH15	41.4
	F 507	338	258	172	80DLH16	43.9
	F 544	363	315	210	88DLH16	49.4
	F 604	403	351	234	88DLH17	51.7
	F 694	463	400	267	88DLH18	56.5
	F 739	493	478	319	96DLH18	60.9
	F 768	512	512	375	104DLH18	63.1
	F 801	534	453	302	88DLH19	63.3
	F 877	585	541	361	96DLH19	64.6
	F 952	635	635	486	112DLH19	71.2
	F 993	662	613	409	96DLH20	72.3
	F 1025	684	684	564	120DLH20	74.6
	F 1071	714	714	483	104DLH20	83.0
	F 1275	850	850	696	120DLH21	86.6
	F 1359	906	906	677	112DLH21	95.2
F 1462	975	975	808	120DLH22	100.3	
F 1617	1079	1079	845	120DLH23	106.4	
F 1918	1279	1279	1025	120DLH24	124.7	
F 1990	1327	1327	997	112DLH24	133.9	
F 2198	1465	1465	1201	120DLH25	139.2	
148	F 408	272	208	139	80DLH15	41.7
	F 483	322	243	162	80DLH16	44.2
	F 523	349	295	197	88DLH16	48.9
	F 567	378	292	195	80DLH17	51.8
	F 579	386	330	220	88DLH17	53.1
	F 640	427	334	223	80DLH18	58.2
	F 666	444	375	250	88DLH18	58.4
	F 712	475	450	300	96DLH18	61.0
	F 733	489	489	353	104DLH18	62.6
	F 769	513	426	284	88DLH19	63.1
	F 841	561	510	340	96DLH19	66.3
	F 897	598	598	401	104DLH19	70.9
	F 934	623	623	466	112DLH19	73.9
	F 952	635	577	385	96DLH20	73.9
	F 1032	688	679	453	104DLH20	82.4
F 1065	710	710	528	112DLH20	86.0	
F 1096	731	592	395	88DLH21	85.8	
F 1195	797	709	473	96DLH21	87.4	
F 1336	891	891	650	112DLH21	95.0	
F 1381	921	823	549	96DLH22	104.5	
F 1449	966	966	648	104DLH22	108.2	
F 1498	999	999	755	112DLH22	113.2	
F 1578	1052	1017	678	104DLH23	119.4	
F 1653	1102	1102	790	112DLH23	114.2	
F 1956	1304	1304	957	112DLH24	133.7	
151	F 391	261	195	130	80DLH15	41.4
	F 463	309	243	162	80DLH16	44.3
	F 502	335	279	186	88DLH16	49.0



Economical Load Tables

Joist Span (ft.)	Total Load (plf)		Live Load (plf)		Joist Designation	Joist Wgt. (plf)
	Factored	Service	1/240	1/360		
	LRFD	ASD				
151 (cont.)	F 556	371	310	207	88DLH17	52.5
	F 639	426	354	236	88DLH18	58.0
	F 685	457	423	282	96DLH18	61.5
	F 708	472	472	332	104DLH18	64.1
	F 738	492	400	267	88DLH19	62.9
	F 808	539	480	320	96DLH19	65.3
	F 861	574	565	377	104DLH19	70.2
	F 900	600	600	439	112DLH19	73.5
	F 915	610	543	362	96DLH20	73.7
	F 1032	688	688	497	112DLH20	82.1
	F 1053	702	558	372	88DLH21	85.7
	F 1224	816	816	641	120DLH21	88.2
	F 1287	858	858	612	112DLH21	98.8
	F 1404	936	936	745	120DLH22	103.0
	F 1450	967	967	711	112DLH22	112.5
	F 1552	1035	1035	779	120DLH23	114.3
F 1600	1067	1067	744	112DLH23	112.9	
F 1842	1228	1228	944	120DLH24	134.4	
F 1894	1263	1263	901	112DLH24	137.4	
F 2110	1407	1407	1106	120DLH25	140.6	
155	F 370	247	180	120	80DLH15	41.4
	F 439	293	211	141	80DLH16	43.9
	F 477	318	258	172	88DLH16	49.8
	F 517	345	253	169	80DLH17	51.6
	F 528	352	286	191	88DLH17	52.8
	F 606	404	327	218	88DLH18	57.0
	F 652	435	391	261	96DLH18	61.1
	F 675	450	450	307	104DLH18	63.7
	F 768	512	444	296	96DLH19	64.1
	F 819	546	523	349	104DLH19	65.3
	F 856	571	571	406	112DLH19	72.7
	F 868	579	504	336	96DLH20	71.9
	F 943	629	592	395	104DLH20	81.8
	F 958	639	639	494	120DLH20	84.1
	F 985	657	657	459	112DLH20	84.7
	F 1192	795	795	608	120DLH21	87.2
F 1224	816	816	566	112DLH21	97.4	
F 1368	912	912	707	120DLH22	102.6	
F 1434	956	885	590	104DLH23	108.0	
F 1534	1023	1023	688	112DLH23	122.8	
F 1794	1196	1196	897	120DLH24	134.3	
F 1818	1212	1212	834	112DLH24	137.0	
F 2056	1371	1371	1050	120DLH25	141.2	
160	F 346	231	163	109	80DLH15	41.2
	F 412	275	192	128	80DLH16	43.7
	F 448	299	234	156	88DLH16	45.5
	F 484	323	231	154	80DLH17	51.0
	F 495	330	259	173	88DLH17	53.1
	F 568	379	298	199	88DLH18	56.5
	F 615	410	355	237	96DLH18	60.7
	F 634	423	418	279	104DLH18	62.2

F = FACTORED Load

Joist Span (ft.)	Total Load (plf)		Live Load (plf)		Joist Designation	Joist Wgt. (plf)
	Factored	Service	1/240	1/360		
	LRFD	ASD				
160 (cont.)	F 720	480	403	269	96DLH19	63.9
	F 805	537	537	369	112DLH19	71.9
	F 814	543	457	305	96DLH20	71.4
	F 886	591	538	359	104DLH20	80.6
	F 929	620	620	463	120DLH20	84.1
	F 936	624	469	313	88DLH21	86.0
	F 1026	684	561	374	96DLH21	87.9
	F 1156	771	771	571	120DLH21	91.9
	F 1261	841	769	513	104DLH22	104.8
	F 1320	880	880	598	112DLH22	109.2
	F 1348	899	804	536	104DLH23	109.9
	F 1455	970	937	625	112DLH23	121.3
	F 1465	977	977	694	120DLH23	115.8
	F 1737	1158	1158	841	120DLH24	134.8
	F 1991	1328	1328	986	120DLH25	140.5
	165	F 421	281	214	143	88DLH16
F 465		310	238	159	88DLH17	52.6
F 534		356	271	181	88DLH18	57.2
F 579		386	324	216	96DLH18	60.5
F 600		400	382	255	104DLH18	62.3
F 676		451	369	246	96DLH19	64.2
F 727		485	433	289	104DLH19	70.5
F 759		506	504	336	112DLH19	71.7
F 765		510	415	277	96DLH20	71.4
F 832		555	490	327	104DLH20	81.5
F 901		601	601	435	120DLH20	85.4
F 964		643	511	341	96DLH21	86.4
F 1083		722	703	469	112DLH21	90.3
F 1127		752	752	537	120DLH21	99.7
F 1188		792	702	468	104DLH22	108.0
F 1267		845	733	489	104DLH23	108.7
F 1289	860	860	624	120DLH22	112.7	
F 1369	913	856	571	112DLH23	120.7	
F 1422	949	949	652	120DLH23	124.1	
F 1685	1124	1124	791	120DLH24	134.4	
F 1936	1291	1291	927	120DLH25	161.0	
170	F 397	265	195	130	88DLH16	49.6
	F 438	292	219	146	88DLH17	53.1
	F 502	335	247	165	88DLH18	56.9
	F 546	364	297	198	96DLH18	61.2
	F 567	378	349	233	104DLH18	63.6
	F 580	387	280	187	88DLH19	63.4
	F 636	424	336	224	96DLH19	64.4
	F 685	457	397	265	104DLH19	71.0
	F 717	478	462	308	112DLH19	72.6
	F 721	481	381	254	96DLH20	71.7
	F 783	522	448	299	104DLH20	73.2
	F 856	571	571	400	120DLH20	84.6
	F 907	605	468	312	96DLH21	87.3
	F 1021	681	643	429	112DLH21	89.4
	F 1071	714	714	494	120DLH21	97.7



Economical Load Tables

Joist Span (ft.)	Total Load (plf)		Live Load (plf)		Joist Designation	Joist Wgt. (plf)
	Factored	Service	1/240	1/360		
	LRFD	ASD				
170 (cont.)	F 1120	747	642	428	104DLH22	105.2
	F 1192	795	670	447	104DLH23	105.9
	F 1234	823	823	574	120DLH22	111.9
	F 1288	859	783	522	112DLH23	119.6
	F 1360	907	901	601	120DLH23	122.4
	F 1539	1026	948	632	112DLH24	138.5
	F 1609	1073	1073	728	120DLH24	142.2
	F 1846	1231	1231	853	120DLH25	152.9
175	F 376	251	178	119	88DLH16	49.4
	F 411	274	199	133	88DLH17	53.0
	F 474	316	228	152	88DLH18	56.6
	F 516	344	271	181	96DLH18	61.0
	F 537	358	319	213	104DLH18	63.6
	F 546	364	258	172	88DLH19	63.1
	F 601	401	309	206	96DLH19	64.2
	F 648	432	363	242	104DLH19	70.8
	F 676	451	421	281	112DLH19	71.9
	F 679	453	349	233	96DLH20	71.6
	F 739	493	411	274	104DLH20	73.0
	F 780	520	478	319	112DLH20	85.5
	F 807	538	538	367	120DLH20	86.6
	F 856	571	429	286	96DLH21	86.9
	F 916	611	505	337	104DLH21	88.4
	F 1012	675	675	452	120DLH21	91.6
	F 1059	706	588	392	104DLH22	100.0
	F 1125	750	615	410	104DLH23	105.4
	F 1168	779	779	526	120DLH22	110.2
	F 1215	810	717	478	112DLH23	110.5
F 1287	858	826	551	120DLH23	116.5	
F 1455	970	868	579	112DLH24	138.1	
F 1522	1015	1000	667	120DLH24	139.1	
F 1747	1165	1165	782	120DLH25	148.5	
180	F 426	284	219	146	96DLH17	60.2
	F 489	326	249	166	96DLH18	61.0
	F 508	339	292	195	104DLH18	63.7
	F 567	378	283	189	96DLH19	63.9
	F 613	409	333	222	104DLH19	66.6
	F 642	428	388	259	112DLH19	71.3
	F 697	465	376	251	104DLH20	74.2
	F 765	510	507	338	120DLH20	86.4
	F 808	539	394	263	96DLH21	86.5
	F 867	578	460	307	104DLH21	87.9
	F 958	639	624	416	120DLH21	92.0
	F 1002	668	538	359	104DLH22	99.9
	F 1062	708	565	377	104DLH23	105.5
	F 1105	737	724	483	120DLH22	109.9
	F 1147	765	658	439	112DLH23	110.3
	F 1219	813	759	506	120DLH23	121.4
	F 1378	919	798	532	112DLH24	137.9
	F 1441	961	919	613	120DLH24	139.1
	F 1656	1104	1077	718	120DLH25	147.4

F = FACTORED Load

Joist Span (ft.)	Total Load (plf)		Live Load (plf)		Joist Designation	Joist Wgt. (plf)
	Factored	Service	1/240	1/360		
	LRFD	ASD				
185	F 403	269	201	134	96DLH17	57.4
	F 462	308	229	153	96DLH18	61.2
	F 481	321	270	180	104DLH18	63.9
	F 535	357	261	174	96DLH19	64.3
	F 580	387	306	204	104DLH19	67.1
	F 609	406	357	238	112DLH19	71.5
	F 660	440	348	232	104DLH20	74.4
	F 702	468	405	270	112DLH20	85.0
	F 726	484	466	311	120DLH20	86.3
	F 765	510	363	242	96DLH21	86.9
	F 820	547	426	284	104DLH21	88.7
	F 867	578	499	333	112DLH21	92.1
	F 909	606	574	383	120DLH21	93.4
	F 949	633	496	331	104DLH22	100.8
	F 1002	668	579	386	112DLH22	103.9
	F 1005	670	520	347	104DLH23	106.4
	F 1086	724	606	404	112DLH23	109.4
	F 1306	871	733	489	112DLH24	128.9
	F 1368	912	847	565	120DLH24	138.7
	F 1570	1047	991	661	120DLH25	146.8
190	F 382	255	186	124	96DLH17	57.0
	F 438	292	211	141	96DLH18	60.8
	F 457	305	250	167	104DLH18	63.7
	F 507	338	241	161	96DLH19	63.8
	F 552	368	283	189	104DLH19	67.0
	F 579	386	330	220	112DLH19	72.6
	F 625	417	321	214	104DLH20	74.3
	F 691	461	430	287	120DLH20	84.4
	F 723	482	336	224	96DLH21	86.0
	F 778	519	394	263	104DLH21	88.6
	F 864	576	529	353	120DLH21	91.8
	F 900	600	459	306	104DLH22	100.7
	F 952	635	534	356	112DLH22	103.5
	F 1029	686	559	373	112DLH23	109.2
	F 1099	733	645	430	120DLH23	116.0
F 1242	828	676	451	112DLH24	137.7	
F 1300	867	781	521	120DLH24	139.0	
F 1491	994	915	610	120DLH25	152.3	
195	F 435	290	231	154	104DLH18	63.6
	F 525	350	262	175	104DLH19	65.8
	F 549	366	304	203	112DLH19	71.7
	F 592	395	297	198	104DLH20	72.7
	F 633	422	346	231	112DLH20	85.0
	F 657	438	397	265	120DLH20	86.5
	F 739	493	366	244	104DLH21	88.4
	F 822	548	489	326	120DLH21	91.3
	F 855	570	424	283	104DLH22	100.4
	F 903	602	493	329	112DLH22	104.0
	F 948	632	570	380	120DLH22	110.3
	F 976	651	517	345	112DLH23	109.7
	F 1045	697	595	397	120DLH23	120.7



Economical Load Tables

Joist Span (ft.)	Total Load (plf)		Live Load (plf)		Joist Designation	Joist Wgt. (plf)
	Factored	Service	1/240	1/360		
	LRFD	ASD				
195 (cont.)	F 1179	786	627	418	112DLH24	137.1
	F 1236	824	723	482	120DLH24	138.4
	F 1419	946	846	564	120DLH25	147.7
200	F 414	276	213	142	104DLH18	63.4
	F 498	332	243	162	104DLH19	65.8
	F 522	348	283	189	112DLH19	67.1
	F 562	375	276	184	104DLH20	73.3
	F 603	402	319	213	112DLH20	85.5
	F 627	418	369	246	120DLH20	86.4
	F 703	469	339	226	104DLH21	88.3
	F 781	521	454	303	120DLH21	92.8
	F 813	542	393	262	104DLH22	100.5
	F 861	574	459	306	112DLH22	104.2
	F 927	618	480	320	112DLH23	109.5
	F 996	664	553	369	120DLH23	120.4
F 1122	748	580	387	112DLH24	129.0	
F 1177	785	670	447	120DLH24	138.3	
F 1350	900	784	523	120DLH25	147.3	
205	F 394	263	198	132	104DLH18	63.5
	F 472	315	225	150	104DLH19	66.8
	F 535	357	255	170	104DLH20	73.8
	F 574	383	297	198	112DLH20	85.1
	F 598	399	342	228	120DLH20	86.2
	F 669	446	313	209	104DLH21	88.4
	F 745	497	421	281	120DLH21	91.1
	F 774	516	366	244	104DLH22	100.2
	F 819	546	424	283	112DLH22	103.9
	F 861	574	490	327	120DLH22	108.2
	F 882	588	445	297	112DLH23	109.4
	F 948	632	511	341	120DLH23	112.2
F 1069	713	538	359	112DLH24	128.7	
F 1122	748	621	414	120DLH24	138.5	
F 1287	858	727	485	120DLH25	146.7	
210	F 475	317	243	162	112DLH19	72.5
	F 547	365	276	184	112DLH20	85.1
	F 570	380	318	212	120DLH20	86.0
	F 711	474	393	262	120DLH21	91.8
	F 781	521	396	264	112DLH22	103.5
	F 820	547	456	304	120DLH22	104.9
	F 840	560	414	276	112DLH23	109.1
	F 903	602	477	318	120DLH23	110.7
	F 1020	680	501	334	112DLH24	129.2
	F 1069	713	579	386	120DLH24	138.3
	F 1228	819	678	452	120DLH25	147.4
	215	F 454	303	226	151	112DLH19
F 522		348	256	171	112DLH20	84.9
F 543		362	297	198	120DLH20	86.3
F 645		430	316	211	112DLH21	92.0
F 678		452	366	244	120DLH21	93.2
F 745		497	369	246	112DLH22	103.4
F 783	522	424	283	120DLH22	105.5	

F = FACTORED Load

Joist Span (ft.)	Total Load (plf)		Live Load (plf)		Joist Designation	Joist Wgt. (plf)
	Factored	Service	1/240	1/360		
	LRFD	ASD				
215 (cont.)	F 799	533	385	257	112DLH23	108.8
	F 861	574	444	296	120DLH23	111.0
	F 1021	681	538	359	120DLH24	130.3
	F 1173	782	631	421	120DLH25	148.4
220	F 433	289	213	142	112DLH19	74.5
	F 499	333	240	160	112DLH20	85.2
	F 520	347	277	185	120DLH20	86.2
	F 616	411	297	198	112DLH21	91.6
	F 648	432	340	227	120DLH21	93.1
	F 711	474	343	229	112DLH22	103.7
	F 748	499	397	265	120DLH22	104.5
	F 763	509	358	239	112DLH23	109.1
	F 822	548	414	276	120DLH23	110.7
	F 976	651	502	335	120DLH24	129.6
F 1122	748	589	393	120DLH25	148.6	
225	F 498	332	258	172	120DLH20	86.1
	F 621	414	318	212	120DLH21	92.6
	F 715	477	370	247	120DLH22	103.3
	F 786	524	387	258	120DLH23	109.6
	F 934	623	469	313	120DLH24	138.6
F 1072	715	550	367	120DLH25	147.9	
230	F 477	318	241	161	120DLH20	85.9
	F 594	396	298	199	120DLH21	91.5
	F 685	457	346	231	120DLH22	104.6
	F 751	501	361	241	120DLH23	110.1
	F 894	596	439	293	120DLH24	138.4
	F 1026	684	516	344	120DLH25	147.8
235	F 457	305	226	151	120DLH20	86.2
	F 568	379	279	186	120DLH21	92.9
	F 657	438	325	217	120DLH22	104.7
	F 718	479	340	227	120DLH23	110.5
	F 856	571	412	275	120DLH24	129.6
	F 984	656	483	322	120DLH25	147.9
240	F 438	292	213	142	120DLH20	86.0
	F 544	363	262	175	120DLH21	92.8
	F 630	420	306	204	120DLH22	104.7
	F 688	459	319	213	120DLH23	110.3
	F 822	548	387	258	120DLH24	129.3
	F 942	628	453	302	120DLH25	147.5

