

KALMANTRUSS

J O I S T S

YEAR - 1928

ALA File Number "13"

TOTAL SAFE LOAD

IN POUNDS UNIFORMLY DISTRIBUTED

NOTE—Floor loads and joist spacings are given for 16,000 pounds and 18,000 pounds maximum tensile unit stress. Floor loads are total loads and include both dead and live loads. The dead load averages 40 pounds per square foot including 10 pounds for plastered ceiling. Where there is a choice between two joists of different depths, the use of the deeper joist results in a more economical floor. Where there is a choice between the use of an H or an L Joist of the same depth the H Joist provides the more economical floor construction. Maximum deflections for tabulated spans and safe floor loads will not exceed 1/360th of the span. Where joists are supported on masonry walls, if more than 200 pounds per square inch is developed in bearing, specify standard bearing plates. Tabulated safe loads are based on joists being properly braced laterally as in standard construction.

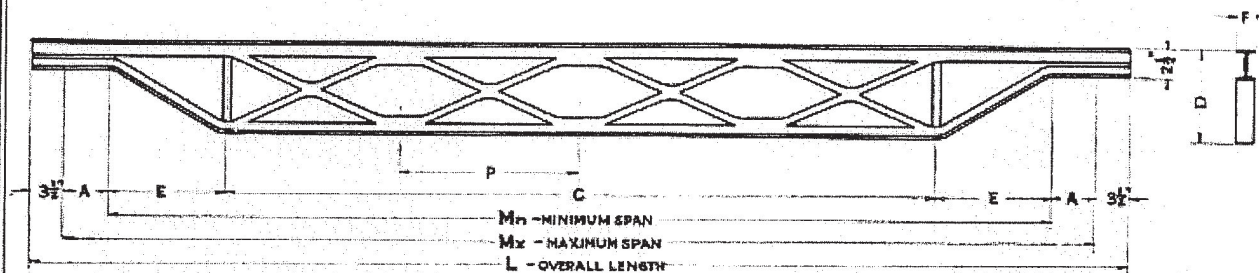
Clear Span	Mark of Joist	Total Safe Load		TOTAL SAFE LOAD PER SQUARE FOOT for Joist spacings shown																
				Spacing for 18,000# Tensile Stress																
		For 16000#	For 18000#	13	14	15	16	17	18	19	20	21	22	23	24	25	26	28	30	32
				Spacing for 16,000# Tensile Stress																
				12	13	14	15	16	17	18	19	20	21	22	23	24	26	28	30	
5-0	8-1	4495	4810	899	830	771	719	674	635	599	568	539	514	490	469	450	415	385	360	
5-4	8-1	4792	5130	899	830	771	719	674	635	599	568	539	514	490	469	450	415	385	360	
5-8	8-1	5097	5450	899	830	771	719	674	635	599	568	539	514	490	469	450	415	385	360	
5-8	8-2	5097	5450	899	830	771	719	674	635	599	568	539	514	490	469	450	415	385	360	
6-0	8-2	5394	5770	899	830	771	719	674	635	599	568	539	514	490	469	450	415	385	360	
6-4	8-2	5342	5720	844	779	723	675	633	596	563	533	506	482	460	440	422	389	362	338	
6-4	8-3	3798	4070	600	554	514	480	450	424	400	379	360	343	327	313	300	277	257	240	
6-8	8-3	4002	4280	600	554	514	480	450	424	400	379	360	343	327	313	300	277	257	240	
7-0	8-3	4200	4500	600	554	514	480	450	424	400	379	360	343	327	313	300	277	257	240	
7-0	8-4	4200	4500	600	554	514	480	450	424	400	379	360	343	327	313	300	277	257	240	
7-4	8-4	4398	4700	600	554	514	480	450	424	400	379	360	343	327	313	300	277	257	240	
7-8	8-4	4408	4720	575	530	493	460	431	406	383	363	345	328	313	300	287	265	246	230	
7-8	8-5	3452	3698	450	415	386	360	338	318	300	284	270	257	246	235	225	208	193	180	
8-0	8-5	3600	3858	450	415	386	360	338	318	300	284	270	257	246	235	225	208	193	180	
8-4	8-5	3749	4020	450	415	386	360	338	318	300	284	270	257	246	235	225	208	193	180	
8-4	8-6	3749	4020	450	415	386	360	338	318	300	284	270	257	246	235	225	208	193	180	
8-8	8-6	3900	4175	450	415	386	360	338	318	300	284	270	257	246	235	225	208	193	180	
9-0	8-6	3757	4020	417	385	358	334	313	295	278	264	250	239	228	218	209	193	179	167	
9-0	8-7	3240	3470	360	332	309	288	270	254	240	227	216	206	196	188	180	166	154	144	
9-4	8-7	3359	3595	360	332	309	288	270	254	240	227	216	206	196	188	180	166	154	144	
9-8	8-7	3481	3730	360	332	309	288	270	254	240	227	216	206	196	188	180	166	154	144	
9-8	8-8	3481	3730	360	332	309	288	270	254	240	227	216	206	196	188	180	166	154	144	
10-0	8-8	3381	3620	338	312	290	270	254	239	225	214	203	193	184	176	169	156	145	135	
10-4	8-8	3273	3500	317	292	272	253	238	224	211	200	190	181	173	165	158	146	136	127	
10-4	8-9	3099	3320	300	277	257	240	225	212	200	189	180	171	164	157	150	138	129	120	
10-8	8-9	3169	3395	297	274	255	238	223	210	198	188	178	170	162	155	149	137	127	119	
11-0	8-9	3074	3290	279	258	240	224	210	197	186	176	168	160	152	146	140	129	120	112	
11-0	8-10	3074	3290	279	258	240	224	210	197	186	176	168	160	152	146	140	129	120	112	
11-4	8-10	2984	3200	263	243	226	211	198	186	176	166	158	150	144	137	132	122	113	105	
11-8	8-10	2897	3100	248	229	213	199	186	175	166	157	149	142	135	130	124	115	106	99	
11-8	8-11	2897	3100	248	229	213	199	186	175	166	157	149	142	135	130	124	115	106	99	
12-0	8-11	2818	3015	235	217	201	188	176	166	157	148	141	134	128	123	117	108	100	93	
12-4	8-11	2742	2941	222	205	191	178	167	157	148	140	133	127	121	116	111	103	95	89	
12-4	8-12	2742	2941	222	205	191	178	167	157	148	140	133	127	121	116	111	103	95	89	
12-8	8-12	2669	2860	211	194	181	169	158	149	140	133	126	120	115	110	106	97	90	84	
13-0	8-12	2601	2785	200	185	172	160	150	141	133	126	120	114	109	104	100	92	86	80	
13-0	8-13	2601	2785	200	185	172	160	150	141	133	126	120	114	109	104	100	92	86	80	
13-4	8-13	2537	2715	190	176	163	152	143	134	127	120	114	109	104	99	95	88	82	76	

TOTAL SAFE LOAD TABLE—Continued

Clear Span	Mark of Joist	Total Safe Load		TOTAL SAFE LOAD PER SQUARE FOOT for joist spacings shown																
		For 18000 $\frac{1}{2}$	For 18000	Spacing for 18,000 $\frac{1}{2}$ Tensile Stress																
				13	14	15	16	17	18	19	20	21	22	23	24	25	26	28	30	32
				Spacing for 18,000 $\frac{1}{2}$ Tensile Stress																
				12	13	14	15	16	17	18	19	20	21	22	23	24	26	28	30	
13-8	8-13	2474	2650	181	167	155	145	136	128	121	114	108	103	98	94	90	84	78	72	
13-8	8-14	2474	2650	181	167	155	145	136	128	121	114	108	103	98	94	90	84	78	72	
14-0	8-14	2415	2582	173	159	148	138	129	122	115	109	104	99	94	90	86	80	74	69	
14-0	10-L2	3139	3360	224	207	193	179	168	158	150	142	135	129	122	117	112	104	96	90	
14-4	8-14	2360	2530	165	152	141	132	124	116	110	104	99	94	90	86	82	76	71	67	
14-4	8-15	2360	2530	165	152	141	132	124	116	110	104	99	94	90	86	82	76	71	67	
14-4	10-L2	3067	3285	214	198	183	171	161	151	143	135	128	122	117	112	107	99	92	86	
14-8	8-15	2305	2470	157	145	135	126	118	111	105	99	94	90	86	82	78	72	68	64	
14-8	10-L2	2996	3210	204	189	175	163	153	144	136	129	123	117	111	106	102	94	88	82	
14-10	8-15	2280	2441	154	142	132	123	115	109	103	97	92	88	84	80	77	71	66	62	
14-10	10-L2	2963	3180	200	184	171	160	150	141	133	126	120	114	109	104	100	92	86	80	
14-10	10-L3	2963	3180	200	184	171	160	150	141	133	126	120	114	109	104	100	92	86	80	
15-0	8-15	2254	2415	150	139	129	120	113	106	100	95	90	86	82	78	75	69	64	60	
15-0	8-16	2254	2415	150	139	129	120	113	106	100	95	90	86	82	78	75	69	64	60	
15-0	10-L3	2930	3140	195	180	167	156	147	138	130	123	117	112	107	102	98	90	84	78	
15-4	8-16	2206	2362	144	133	123	115	108	102	96	91	86	82	78	75	72	66	62	58	
15-4	10-L3	2867	3070	187	173	160	150	140	132	125	118	112	107	102	98	94	86	80	75	
15-8	8-16	2158	2310	138	127	118	110	103	97	91	87	83	79	75	72	69	63	59	55	
15-8	10-L3	2805	3005	179	165	153	143	134	126	119	113	107	102	97	93	89	83	77	72	
15-8	10-L4	2805	3005	179	165	153	143	134	126	119	113	107	102	97	93	89	83	77	72	
16-0	10-L4	2747	2940	172	158	147	137	129	121	114	108	103	98	94	90	86	79	73	69	
16-6	10-L4	2663	2858	161	149	138	129	121	114	108	102	97	92	88	84	80	74	70	66	
16-6	10-L5	2663	2858	161	149	138	129	121	114	108	102	97	92	88	84	80	74	70	66	
17-0	10-L5	2585	2770	152	140	130	122	114	107	101	96	91	87	83	79	76	70	65	61	
17-4	10-L5	2536	2710	146	135	125	117	110	103	97	92	87	83	79	76	73	67	63	59	
17-4	10-H2	3342	3581	193	178	165	154	145	136	128	121	115	110	105	100	96	89	83	77	
17-10	10-H2	3248	3480	182	168	156	145	136	128	121	115	109	104	99	95	91	84	78	73	
17-10	12-L1	3954	4230	222	205	190	177	166	156	147	140	133	126	121	116	111	102	95	89	
18-0	10-H2	3218	3440	179	165	153	143	134	126	119	113	107	102	97	93	89	83	76	72	
18-0	12-L1	3917	4185	218	201	187	174	163	154	145	137	130	124	118	113	108	100	93	87	
18-2	10-H2	3188	3415	175	162	150	140	131	124	117	111	105	100	95	91	87	81	75	70	
18-2	10-H3	3188	3415	175	162	150	140	131	124	117	111	105	100	95	91	87	81	75	70	
18-2	12-L1	3880	4160	214	197	183	171	160	151	142	135	128	122	116	111	106	98	92	86	
18-6	10-H3	3131	3350	169	156	145	135	127	119	113	107	102	97	92	88	84	78	72	68	
18-6	12-L1	3811	4075	206	190	177	165	155	145	137	130	124	118	112	107	103	95	88	82	
18-10	10-H3	3076	3290	163	151	140	131	123	115	109	103	98	93	89	85	81	75	70	66	
18-10	12-L1	3744	4015	199	184	170	159	149	140	133	126	119	113	108	103	99	91	85	80	
18-10	12-L2	3744	4015	199	184	170	159	149	140	133	126	119	113	108	103	99	91	85	80	
19-0	10-H3	3048	3265	160	148	138	128	120	113	107	101	96	91	87	83	80	74	68	64	
19-0	10-H4	3048	3265	160	148	138	128	120	113	107	101	96	91	87	83	80	74	68	64	
19-0	12-L2	3711	3970	195	180	167	156	147	138	130	123	117	112	107	102	98	90	84	78	
19-5	10-H3	2982	3200	154	142	132	123	115	108	102	97	92	87	83	80	77	71	66	62	
19-5	12-L2	3631	3885	187	173	160	150	140	132	125	118	112	107	102	98	94	86	80	75	
19-10	10-H4	2921	3135	147	136	126	118	111	104	98	93	88	84	80	77	74	68	63	59	
19-10	12-L2	3556	3805	179	166	154	143	134	127	120	113	107	102	98	94	90	83	77	72	
19-10	12-L3	3556	3805	179	166	154	143	134	127	120	113	107	102	98	94	90	83	77	72	
20-0	12-L3	3525	3779	176	163	151	141	132	124	117	111	106	101	96	92	88	81	75	71	
20-5	12-L3	3453	3698	169	156	145	135	127	119	113	107	101	96	92	88	84	78	72	68	
20-10	12-L3	3385	3622	163	150	139	130	122	115	108	103	98	93	89	85	81	75	69	65	
20-10	12-H2	4189	4485	201	186	172	160	151	142	134	127	121	115	110	105	101	93	86	80	
21-0	12-H2	4155	4450	198	183	170	158	148	140	132	125	119	113	108	103	99	91	85	79	
21-0	14-L1	5061	5420	241	222	207	193	181	170	161	152	144	137	131	126	121	111	103	97	
21-5	12-H2	4073	4360	190	176	163	152	143	134	127	120	114	109	104	99	95	88	82	76	
21-5	14-L1	4965	5320	232	214	199	185	174	164	155	146	139	132	126	121	116	107	99	93	

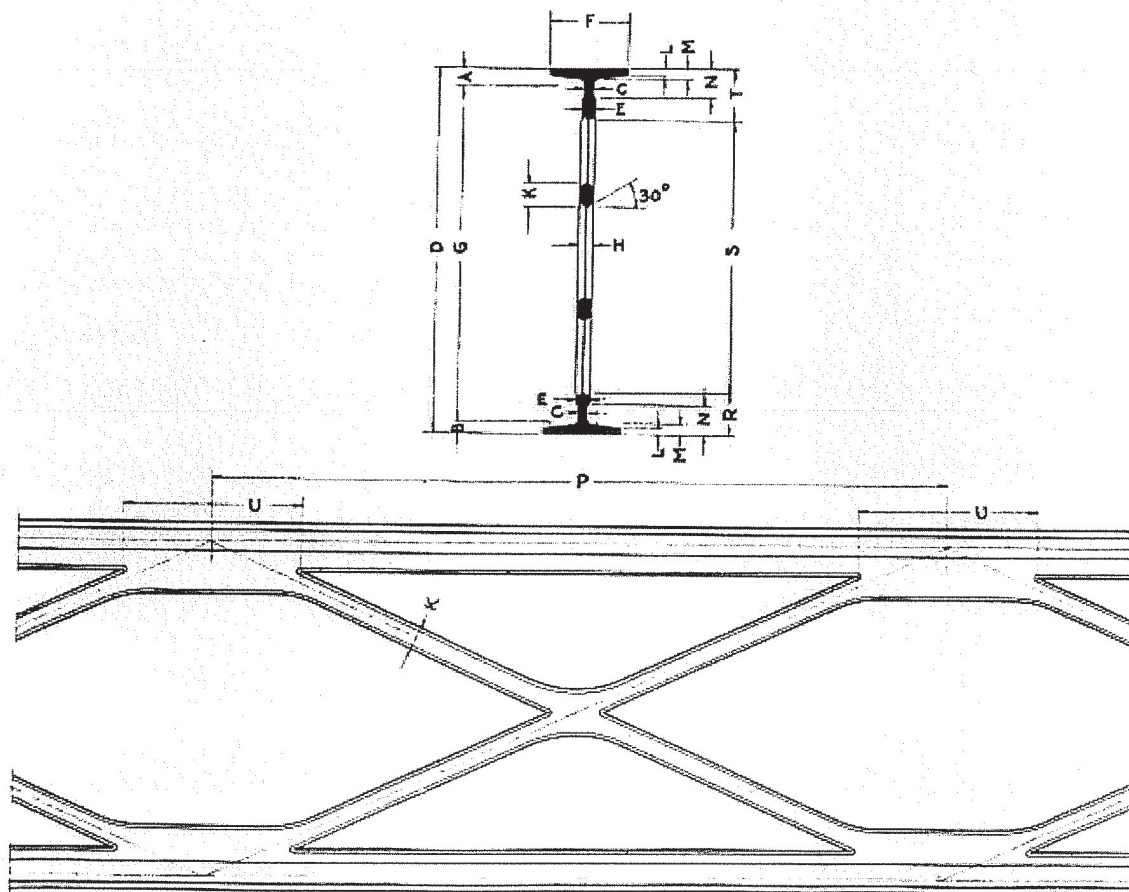
TOTAL SAFE LOAD TABLE—Continued

Clear Span	Mark of Joist	Total Safe Load		TOTAL SAFE LOAD PER SQUARE FOOT for Joist spacings shown																
				Spacing for 18,000 ⁺ Tensile Stress																
		For 16000 ⁺	For 18000 ⁺	13	14	15	16	17	18	19 ¹	20	21	22 ¹	23 ¹	24 ¹	25 ¹	28	30	32	
				Spacing for 16,000 ⁺ Tensile Stress																
				12	13	14	15	16	17	18	19	20	21	22	23	24	26	28	30	
21-10	12-H2	3997	4275	183	169	157	146	137	129	122	116	110	105	100	96	92	84	78	73	
21-10	12-H3	3997	4275	183	169	157	146	137	129	122	116	110	105	100	96	92	84	78	73	
21-10	14-L1	4872	5215	223	206	191	178	167	158	149	141	134	128	122	116	112	103	95	89	
22-0	12-H3	3966	4250	180	166	155	144	135	127	120	114	108	103	98	94	90	83	77	72	
22-0	14-L1	4834	5180	220	203	188	176	165	155	147	139	132	126	120	115	110	101	94	88	
22-2	12-H3	3936	4210	178	164	152	142	133	125	118	112	106	101	97	93	89	82	76	71	
22-2	14-L1	4797	5130	216	200	185	173	162	153	144	137	130	124	118	113	108	100	93	87	
22-2	14-L2	4797	5130	216	200	185	173	162	153	144	137	130	124	118	113	108	100	93	87	
22-6	12-H3	3878	4150	172	159	148	138	129	122	115	109	103	98	94	90	86	80	74	69	
22-6	14-L2	4727	5060	210	194	180	168	158	148	140	133	126	120	115	110	105	97	90	84	
22-10	12-H3	3822	4100	167	155	144	134	126	118	112	106	100	95	91	87	83	77	71	67	
22-10	12-H4	3822	4100	167	155	144	134	126	118	112	106	100	95	91	87	83	77	71	67	
22-10	14-L2	4658	4985	204	188	175	163	153	144	136	129	122	116	111	106	102	94	87	82	
23-0	12-H4	3794	4060	165	152	141	132	124	116	110	104	99	94	90	86	82	76	70	66	
23-0	14-L2	4624	4950	201	186	172	161	151	142	134	127	121	115	110	105	101	93	86	80	
23-4	12-H4	3740	4000	160	148	137	128	120	113	107	101	96	91	87	83	80	74	68	64	
23-4	14-L2	4558	4880	195	180	167	156	147	138	130	123	117	112	107	102	98	90	84	78	
23-4	14-L3	4558	4880	195	180	167	156	147	138	130	123	117	112	107	102	98	90	84	78	
23-10	12-H4	3661	3922	154	142	132	123	115	108	102	97	92	88	84	80	77	71	66	62	
23-10	14-L3	4463	4775	187	173	160	150	140	132	125	118	112	107	102	98	94	86	80	75	
24-0	14-L3	4431	4750	185	170	158	148	139	130	123	117	111	106	101	96	92	85	79	74	
24-6	14-L3	4341	4650	177	164	152	142	133	125	118	112	106	101	96	92	88	82	76	71	
24-6	14-H2	5329	5700	218	201	186	174	163	154	145	137	130	124	118	113	108	100	93	87	
25-0	14-H2	5222	5590	210	193	179	167	157	147	139	132	125	119	114	109	104	96	90	84	
25-5	14-H2	5130	5490	202	187	174	162	152	143	135	128	121	115	110	105	101	93	87	81	
25-5	16-2	6042	6470	238	219	204	190	178	168	158	150	143	136	130	124	119	110	102	95	
25-8	14-H2	5086	5440	198	183	170	159	149	140	132	125	119	113	108	103	99	91	85	79	
25-8	14-H3	5086	5440	198	183	170	159	149	140	132	125	119	113	108	103	99	91	85	79	
25-8	16-2	5984	6410	233	215	200	186	175	165	155	147	140	133	127	122	117	108	100	93	
26-0	14-H3	5022	5375	193	178	166	155	145	136	129	122	115	110	105	101	97	89	83	77	
26-0	16-2	5908	6330	227	210	195	182	170	160	152	144	136	130	124	119	114	105	97	91	
26-5	14-H3	4942	5290	187	173	160	149	140	132	124	118	112	107	102	98	94	86	80	75	
26-5	16-2	5814	6220	220	203	189	176	165	155	147	139	132	126	120	115	110	102	94	88	
26-9	14-H3	4881	5230	183	168	156	146	137	129	122	115	109	104	99	95	91	84	78	73	
26-9	16-2	5742	6150	215	198	184	172	161	152	143	136	129	123	117	112	107	99	92	86	
26-9	16-3	5742	6150	215	198	184	172	161	152	143	136	129	123	117	112	107	99	92	86	
26-10	14-H3	4866	5210	181	167	155	145	136	128	121	115	109	104	99	95	91	84	78	73	
26-10	14-H4	4866	5210	181	167	155	145	136	128	121	115	109	104	99	95	91	84	78	73	
26-10	16-3	5725	6130	213	197	183	171	160	151	142	135	128	122	116	111	106	98	91	85	
27-0	14-H4	4836	5175	179	165	154	143	134	126	119	113	107	102	97	93	89	83	77	72	
27-0	16-3	5680	6090	211	194	181	169	158	149	140	133	126	120	115	110	105	97	90	84	
27-6	14-H4	4748	5080	173	159	148	138	130	122	115	109	104	99	94	90	86	80	74	69	
27-6	16-3	5585	5980	203	187	174	162	152	143	135	128	122	116	111	106	101	93	87	81	
28-0	14-H4	4663	4990	167	154	143	133	125	116	111	105	100	95	91	87	83	77	71	67	
28-0	16-3	5486	5880	196	181	168	157	147	138	131	124	118	112	107	102	98	90	84	78	
28-1	16-3	5470	5860	195	180	167	156	146	137	130	123	117	111	106	101	97	90	84	78	
28-1	16-4	5470	5860	195	180	167	156	146	137	130	123	117	111	106	101	97	90	84	78	
28-6	16-4	5389	5765	189	175	162	151	142	133	126	119	113	108	103	99	95	87	81	76	
29-0	16-4	5297	5660	183	169	157	146	137	129	122	115	109	104	99	95	91	84	78	73	
29-5	16-4	5221	5590	178	164	152	142	133	125	118	112	106	101	97	93	89	82	76	71	
29-5	16-5	5221	5590	178	164	152	142	133	125	118	112	106	101	97	93	89	82	76	71	
30-0	16-5	5120	5480	171	158	146	136	128	120	114	108	102	97	93	89	85	79	73	68	
30-5	16-5	5049	5400	166	153	142	133	125	117	111	105	100	95	91	87	83	77	71	67	
30-9	16-5	4995	5350	162	150	139	130	122	115	108	102	97	93	89	85	81	75	69	65	



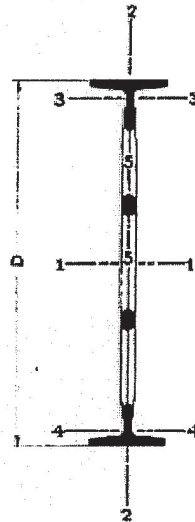
DIMENSIONS OF KALMANTRUSS JOISTS

Mark	D in.	Mn ft.-in.	Mx ft.-in.	L ft.-in.	P in.	C ft.-in.	E in.	A in.	F in.
8-1	8	5-0	5-8	6-3	16	4-0	6	4	1.625
8-2	8	5-8	6-4	6-11	16	4-0	10	4	1.625
8-3	8	6-4	7-0	7-7	16	5-4	6	4	1.625
8-4	8	7-0	7-8	8-3	16	5-4	10	4	1.625
8-5	8	7-8	8-4	8-11	16	6-8	6	4	1.625
8-6	8	8-4	9-0	9-7	16	6-8	10	4	1.625
8-7	8	9-0	9-8	10-3	16	8-0	6	4	1.625
8-8	8	9-8	10-4	10-11	16	8-0	10	4	1.625
8-9	8	10-4	11-0	11-7	16	9-4	6	4	1.625
8-10	8	11-0	11-8	12-3	16	9-4	10	4	1.625
8-11	8	11-8	12-4	12-11	16	10-8	6	4	1.625
8-12	8	12-4	13-0	13-7	16	10-8	10	4	1.625
8-13	8	13-0	13-8	14-3	16	12-0	6	4	1.625
8-14	8	13-8	14-4	14-11	16	12-0	10	4	1.625
8-15	8	14-4	15-0	15-7	16	13-4	6	4	1.625
8-16	8	15-0	15-8	16-3	16	13-4	10	4	1.625
10-L2	10	14-0	14-10	15-5	20	11-8	14	5	1.655
10-L3	10	14-10	15-8	16-3	20	13-4	9	5	1.655
10-L4	10	15-8	16-6	17-1	20	13-4	14	5	1.655
10-L5	10	16-6	17-4	17-11	20	15-0	9	5	1.655
10-H2	10	17-4	18-2	18-9	20	15-0	14	5	2.000
10-H3	10	18-2	19-0	19-7	20	16-8	9	5	2.000
10-H4	10	19-0	19-10	20-5	20	18-8	14	5	2.000
12-L1	12	17-10	18-10	19-5	24	16-0	11	6	2.020
12-L2	12	18-10	19-10	20-5	24	16-0	17	6	2.020
12-L3	12	19-10	20-10	21-5	24	18-0	11	6	2.020
12-H2	12	20-10	21-10	22-5	24	18-0	17	6	2.250
12-H3	12	21-10	22-10	23-5	24	20-0	11	6	2.250
12-H4	12	22-10	23-10	24-5	24	20-0	17	6	2.250
14-L1	14	21-0	22-2	22-9	28	18-8	14	7	2.285
14-L2	14	22-2	23-4	23-11	28	18-8	21	7	2.285
14-L3	14	23-4	24-6	25-1	28	21-0	14	7	2.285
14-H2	14	24-6	25-8	26-3	28	21-0	21	7	2.625
14-H3	14	25-8	26-10	27-5	28	23-4	14	7	2.625
14-H4	14	26-10	28-2	28-9	28	23-4	21	7	2.625
16-2	16	25-5	26-9	27-4	32	21-4	24 1/2	8	2.655
16-3	16	26-9	28-1	28-8	32	24-0	16 1/2	8	2.655
16-4	16	28-1	29-5	30-0	32	24-0	24 1/2	8	2.655
16-5	16	29-5	30-9	31-4	32	26-8	16 1/2	8	2.655



DIMENSIONS OF KALMANTRUSS SECTIONS
(INCHES)

Mk.	D	G	F	A	B	C	E	H	K	L	M	N	P	R	S	T	U
8	8	7.430	1.025	.330	.240	.160	.265	.311	.480	.142	.216	.610	16	.898	5.978	1.124	3.86
10L	10	9.459	1.655	.313	.228	.190	.295	.343	.548	.142	.216	.610	20	.845	8.100	1.055	3.94
10H	10	9.36	2.000	.372	.268	.220	.300	.344	.590	.150	.239	.722	20	1.015	7.694	1.291	4.39
12L	12	11.398	2.020	.350	.252	.240	.320	.304	.655	.150	.239	.722	24	.957	9.828	1.215	4.21
12H	12	11.342	2.250	.441	.317	.250	.330	.377	.663	.160	.260	.902	24	1.200	9.285	1.515	5.28
14L	14	13.255	2.235	.431	.314	.235	.365	.416	.711	.160	.260	.902	28	1.160	11.387	1.453	5.11
14H	14	13.102	2.625	.528	.370	.200	.370	.421	.750	.165	.282	1.092	28	1.395	10.819	1.786	6.28
16	16	15.140	2.655	.498	.362	.320	.400	.454	.819	.165	.282	1.092	32	1.345	12.909	1.686	6.10



PROPERTIES OF KALMANTRUSS SECTIONS

Mark	D in.	Moment of Inertia in. ⁴		Section Modulus in. ³	
		Axis 1-1	Axis 2-2	Axis 1-1	Axis 2-2
8	8"	12.68	.131	3.17	.161
10L	10"	20.87	.141	4.12	.169
10H	10"	27.29	.235	5.43	.265
12L	12"	40.32	.275	6.61	.272
12H	12"	49.45	.407	8.18	.362
14L	14"	70.74	.431	9.97	.377
14H	14"	85.96	.688	12.24	.524
16	16"	116.82	.719	14.40	.543

	TOP CHORD								BOTTOM CHORD								WEB		STRUT		
Mark	Area	Axis 3-3				Axis 2-2				Area	Axis 4-4				Axis 2-2			Area	Axis 5-5	Area	Axis 5-5
		I sq. in.	S in. ³	r in.	I in. ⁴	S in. ³	r in.	I sq. in.	S in. ³		r in.	I in. ⁴	S in. ³	r in.	sq. in.	r in.	r in.				
8"	.486	.055	.072	.335	.065	.080	.365	.426	.026	.042	.248	.064	.079	.389	.123	.085	.156	.072			
10L	.497	.048	.069	.311	.069	.083	.372	.435	.023	.040	.229	.068	.083	.396	.154	.094	.234	.091			
10H	.663	.096	.110	.382	.131	.131	.445	.580	.044	.063	.277	.131	.131	.475	.169	.094	.234	.091			
12L	.662	.083	.102	.354	.136	.134	.451	.580	.038	.057	.255	.135	.134	.483	.200	.100	.234	.091			
12H	.832	.171	.167	.453	.202	.180	.493	.728	.081	.097	.333	.201	.179	.524	.209	.103	.234	.091			
14L	.850	.160	.165	.432	.213	.187	.498	.752	.077	.097	.320	.212	.186	.531	.250	.113	.328	.108			
14H	1.076	.316	.262	.542	.341	.260	.563	.932	.144	.148	.392	.339	.258	.603	.264	.123	.328	.108			
16	1.086	.278	.246	.506	.355	.268	.572	.950	.134	.144	.376	.354	.266	.610	.313	.125	.438	.126			