

TABLE N-1

<b>WOOD BEAMS AND GIRDERS (19%) #2 , ALLOWABLE LOADS</b>												
<b>IN POUNDS PER LINEAR FOOT SAMPLE SPAN DEFLECTION = L/360, LOAD DURATION FACTOR 1.0, ADEQUATE BEARING AND LATERAL SUPPORT MUST BE PROVIDED</b>												
<b>2x8(1-1/2 x 7-1/4) SPECIES</b>	<b>SPRUCE-PINE FIR (1) NUMBER OF MEMBERS</b>						<b>SOUTHERN PINE NUMBER OF MEMBERS</b>					
	<b>2</b>		<b>3</b>		<b>4</b>		<b>2</b>		<b>3</b>		<b>4</b>	
<b>SPAN (2) (feet)</b>	<b>plf</b>	<b>end reaction</b>	<b>plf</b>	<b>end reaction</b>	<b>plf</b>	<b>end reaction</b>	<b>plf</b>	<b>end reaction</b>	<b>plf</b>	<b>end reaction</b>	<b>plf</b>	<b>end reaction</b>
3	1133	1700	1700	2550	2266	3399	1457	2186	2186	3279	2914	4371
4	727	1454	1091	2182	1454	2908	935	1870	1403	2806	1870	3740
5	535	1338	803	2008	1070	2675	688	1720	1032	2580	1376	3440
6	424	1272	636	1908	848	2544	538	1614	807	2421	1076	3228
7	350	1225	525	1838	700	2450	400	1400	600	2100	800	2800
8	270	1080	405	1620	540	2160	309	1236	464	1856	618	2472
9	215	968	323	1454	430	1935	246	1107	369	1661	492	2214
10	175	875	263	1315	350	1750	200	1000	300	1500	400	2000
12	107	642	161	966	214	1284	123	738	185	1110	246	1476
14	68	476	102	714	136	952	78	546	117	819	156	1092

<b>2x10(1-1/2 x 9-1/4) SPECIES</b>	<b>SPRUCE-PINE FIR (1) NUMBER OF MEMBERS</b>						<b>SOUTHERN PINE NUMBER OF MEMBERS</b>					
	<b>2</b>		<b>3</b>		<b>4</b>		<b>2</b>		<b>3</b>		<b>4</b>	
<b>SPAN (2) (feet)</b>	<b>plf</b>	<b>end reaction</b>	<b>plf</b>	<b>end reaction</b>	<b>plf</b>	<b>end reaction</b>	<b>plf</b>	<b>end reaction</b>	<b>plf</b>	<b>end reaction</b>	<b>plf</b>	<b>end reaction</b>
3	1776	2664	2664	3996	3552	5328	2283	3425	3425	5138	4566	6849
4	1054	2108	1581	3162	2108	4216	1355	2710	2033	4066	2710	5420
5	749	1873	1124	2810	1498	3745	963	2408	1445	3613	1926	4815
6	581	1743	872	2616	1162	3486	747	2241	1121	3363	1494	4482
7	475	1663	713	2496	950	3325	570	1995	855	2993	1140	3990
8	401	1604	602	2408	802	3208	440	1760	660	2640	880	3520
9	321	1445	482	2169	642	2889	350	1575	525	2363	700	3150
10	261	1305	392	1960	522	2610	285	1425	428	2140	570	2850
12	183	1098	275	1650	366	2196	200	1200	300	1800	400	2400
14	135	945	203	1421	270	1890	147	1029	221	1547	294	2058

<b>2x12(1-1/2 x 11-1/4) SPECIES</b>	<b>SPRUCE-PINE FIR (1) NUMBER OF MEMBERS</b>						<b>SOUTHERN PINE NUMBER OF MEMBERS</b>					
	<b>2</b>		<b>3</b>		<b>4</b>		<b>2</b>		<b>3</b>		<b>4</b>	
<b>SPAN (2) (feet)</b>	<b>plf</b>	<b>end reaction</b>	<b>plf</b>	<b>end reaction</b>	<b>plf</b>	<b>end reaction</b>	<b>plf</b>	<b>end reaction</b>	<b>plf</b>	<b>end reaction</b>	<b>plf</b>	<b>end reaction</b>
3	2800	4200	4200	6300	5600	8400	3600	5400	5400	8100	7200	10800
4	1482	2964	2223	4446	2964	5928	1906	3812	2859	5718	3812	7624
5	1008	2520	1512	3780	2016	5040	1296	3240	1944	4860	2592	6480
6	764	2292	1146	3438	1528	4584	982	2946	1473	4419	1964	5892
7	615	2153	923	3231	1230	4305	783	2741	1175	4113	1566	5481
8	514	2056	771	3084	1028	4112	604	2416	906	3624	1208	4832
9	431	1940	647	2912	862	3879	481	2165	722	3249	962	4329
10	351	1755	527	2635	702	3510	392	1960	588	2940	784	3920
12	246	1476	369	2214	492	2952	274	1644	411	2466	548	3288
14	182	1274	273	1911	364	2548	203	1421	305	2135	406	2842

1 SPRUCE -PINE-FIR NOT SPRUCE-PINE-FIR (SOUTHERN)IS USED IN THIS TABL E  
 2 SPAN IS CLEAR SPAN - EFFECTIVE SPAN FOR BENDING AND DEFLECTION IS CLEAR SPAN PLUS 3 '