

BOOZERBEAM™

PRE-CUT GARAGE DOOR HEADER

1.9E • 2600F_b

- Much stronger and stiffer than 1.7E TimberStrand (LSL), 1.8E LVL and conventional glulam beams.
- Less expensive than LVL & PSL.
- Exceptional value in cost vs. performance.
- Constant 3 1/2" and 5 1/2" widths match 4" & 6" framing and require no blocking at all.
- Cambered to offset dead load deflection (optional).
- Factory precut lengths for easy installation (i.e. 9' 9" 16' 9" 17' 18' 9" 19').
Saves time and money!



**HANDCRAFTED WITH PRIDE
IN THE U.S.A.**



NORTH AMERICAN
WHOLESALE LUMBER
ASSOCIATION



- Made of the finest dense southern yellow pine lumber and waterproof adhesive available.
- Quality inspected by APA-The Engineered Wood Association.

BOOZERBEAM 1.9E Precut Garage Door Header is available in 3 1/2" and 5 1/2" widths and depths that are compatible with I-joists, conventional framing and traditional glulam:

8 3/8" 9 1/4" 9 1/2" 9 3/4" 11 1/4" 11 7/8" 12 5/8" 14"
15 3/8" 16" 16 3/4" 18" 19 1/2" 20 5/8"

Please contact your nearest **BOOZERBEAM** dealer for sizes available in your market.

BOOZERBEAM HOLDS UP!



2600Fb-1.9E-210Fv Southern Pine Glulam Roof Beams (lb/ft) – Snow Load

Load Duration Factor = 1.15, Fbx = 2,600 psi, Fvx = 210 psi, Ex = 1,900,000 psi

3-1/2-INCH WIDTH																	SPAN (ft)									
Depth (in.)	8	10	12	14	16	18	20	22	24	26	28	30	32	34	36	38	40	42	44	46	48					
8-3/8	1267	808	551	344	228	158	113	83	62	---	---	---	---	---	---	---	---	---	---	---	---	---				
9-1/4	1546	987	683	466	309	215	154	114	86	66	51	---	---	---	---	---	---	---	---	---	---	---				
9-1/2	1631	1041	720	505	335	233	168	124	94	72	56	---	---	---	---	---	---	---	---	---	---	---				
9-3/4	1715	1097	759	546	363	252	182	134	102	78	61	---	---	---	---	---	---	---	---	---	---	---				
11-1/4	2060	1462	1012	741	561	391	282	210	159	123	97	77	62	---	---	---	---	---	---	---	---	---				
11-7/8	2212	1629	1128	826	630	461	333	248	189	146	115	91	74	60	---	---	---	---	---	---	---	---				
12-5/8	2402	1791	1276	935	713	556	402	299	228	177	139	111	90	73	60	---	---	---	---	---	---	---				
14	2772	2046	1570	1151	878	691	551	411	314	244	193	155	125	102	84	70	58	---	---	---	---	---				
15-3/8	3173	2316	1823	1389	1060	835	674	547	418	326	258	208	169	138	114	95	80	67	57	---	---	---				
16	3367	2445	1918	1505	1149	905	730	601	473	369	292	235	191	157	130	109	91	77	65	55	---	---				
16-3/4	3610	2604	2035	1650	1260	992	801	659	544	424	337	271	221	182	151	126	106	89	76	65	55	---				
18	4041	2882	2238	1828	1456	1147	926	760	633	529	420	339	276	228	189	159	134	114	97	83	71	---				
19-3/8	4560	3208	2473	2010	1688	1330	1072	878	732	619	527	425	348	287	239	201	170	144	123	106	91	---				
20-5/8	5077	3524	2697	2183	1832	1508	1212	993	828	700	599	516	422	348	291	244	207	176	151	130	112	---				

5-1/2-INCH WIDTH																	SPAN (ft)									
Depth (in.)	8	10	12	14	16	18	20	22	24	26	28	30	32	34	36	38	40	42	44	46	48					
8-3/8	1991	1270	866	541	359	248	178	131	98	75	58	---	---	---	---	---	---	---	---	---	---	---				
9-1/4	2430	1551	1073	732	486	337	243	179	135	103	80	63	---	---	---	---	---	---	---	---	---	---				
9-1/2	2564	1636	1132	793	527	366	263	195	147	113	88	69	54	---	---	---	---	---	---	---	---	---				
9-3/4	2695	1724	1193	858	570	397	286	211	160	123	96	75	60	---	---	---	---	---	---	---	---	---				
11-1/4	3237	2297	1590	1164	881	614	444	330	250	194	152	121	97	78	63	51	---	---	---	---	---	---				
11-7/8	3477	2560	1773	1298	990	725	524	389	296	230	181	144	116	94	76	62	51	---	---	---	---	---				
12-5/8	3775	2814	2005	1469	1120	873	632	470	358	278	219	175	141	115	94	77	64	53	---	---	---	---				
14	4356	3215	2468	1808	1380	1082	866	646	493	384	303	243	197	161	133	110	91	76	64	53	---	---				
15-3/8	4987	3640	2864	2183	1662	1301	1044	855	657	512	406	326	265	217	180	150	125	105	89	75	64	---				
16	5291	3842	3014	2365	1797	1407	1129	925	743	579	459	369	301	247	205	171	143	121	102	87	74	---				
16-3/4	5673	4092	3198	2593	1966	1540	1236	1013	843	667	529	426	347	285	237	198	166	141	119	102	87	---				
18	6351	4529	3517	2873	2264	1773	1424	1167	972	821	661	533	434	358	298	249	210	178	152	130	111	---				
19-3/8	7166	5041	3886	3159	2616	2049	1646	1349	1124	950	812	668	546	451	376	315	267	227	194	166	143	---				
20-5/8	7978	5538	4238	3430	2879	2316	1861	1526	1272	1075	919	794	663	548	457	384	325	277	237	204	176	---				

Notes:

- (1) For preliminary design use only. Final design should include a complete analysis, including bearing stresses and lateral stability.
- (2) Span = simply supported beam.
- (3) Maximum deflection = L/180 under total load. Other deflection limits may apply.
- (4) Service condition = dry.
- (5) Tabulated values represent total loads and have taken the dead weight of the beam (assumed 36 pcf) into account.
- (6) Sufficient bearing length shall be provided at supports
- (7) Maximum beam shear is located at a distance from the supports equal to the depth of the beam.
- (8) Upper-right areas limited by deflection; medium areas limited by bending strength; lower-left areas limited by shear strength.



2600Fb-1.9E-210Fv Southern Pine Glulam Floor Beams (lbf/ft)

Load Duration Factor = 1.0, Fbx = 2,600 psi, Fvx = 210 psi, Ex = 1,900,000 psi

3-1/2-INCH WIDTH		SPAN (ft)																			
Depth (in.)	8	10	12	14	16	18	20	22	24	26	28	30	32	34	36	38	40	42	44	46	48
8-3/8	1101	596	342	212	140	96	68	---	---	---	---	---	---	---	---	---	---	---	---	---	---
9-1/4	1344	804	462	288	190	131	93	68	51	---	---	---	---	---	---	---	---	---	---	---	---
9-1/2	1418	872	501	312	206	143	102	74	55	---	---	---	---	---	---	---	---	---	---	---	---
9-3/4	1490	943	542	338	224	155	110	81	60	---	---	---	---	---	---	---	---	---	---	---	---
11-1/4	1790	1270	836	523	347	241	173	127	96	73	57	---	---	---	---	---	---	---	---	---	---
11-7/8	1922	1415	980	616	409	284	204	151	114	87	68	53	---	---	---	---	---	---	---	---	---
12-5/8	2087	1556	1108	742	493	343	247	183	138	106	83	65	52	---	---	---	---	---	---	---	---
14	2409	1777	1364	999	675	471	340	252	191	148	116	92	74	59	---	---	---	---	---	---	---
15-3/8	2758	2012	1583	1206	897	626	453	337	256	199	156	125	100	81	66	55	---	---	---	---	---
16	2926	2124	1666	1307	997	707	511	381	290	225	177	142	114	93	76	63	52	---	---	---	---
16-3/4	3137	2263	1768	1433	1093	812	588	438	334	260	205	164	133	108	89	73	61	50	---	---	---
18	3512	2504	1944	1588	1264	995	732	546	417	325	257	206	167	137	113	93	78	65	55	---	---
19-3/8	3963	2787	2148	1746	1466	1155	916	684	523	408	323	259	211	173	143	119	100	84	71	60	51
20-5/8	4412	3062	2343	1896	1591	1309	1051	828	633	494	392	315	257	211	175	146	123	103	88	74	63

5-1/2-INCH WIDTH		SPAN (ft)																			
Depth (in.)	8	10	12	14	16	18	20	22	24	26	28	30	32	34	36	38	40	42	44	46	48
8-3/8	1730	936	537	334	220	151	107	77	57	---	---	---	---	---	---	---	---	---	---	---	---
9-1/4	2111	1264	726	452	299	206	147	107	80	60	---	---	---	---	---	---	---	---	---	---	---
9-1/2	2228	1370	787	491	324	224	160	117	87	66	---	---	---	---	---	---	---	---	---	---	---
9-3/4	2342	1481	852	531	352	243	173	127	95	72	55	---	---	---	---	---	---	---	---	---	---
11-1/4	2813	1995	1313	821	545	378	272	200	151	115	89	70	55	---	---	---	---	---	---	---	---
11-7/8	3021	2224	1540	968	643	447	321	237	179	137	107	84	66	52	---	---	---	---	---	---	---
12-5/8	3280	2445	1741	1165	775	539	388	287	217	167	130	103	82	65	52	---	---	---	---	---	---
14	3785	2793	2143	1570	1061	740	534	396	301	233	182	145	116	93	76	61	---	---	---	---	---
15-3/8	4333	3162	2488	1895	1410	984	712	529	403	312	246	196	158	128	104	86	70	58	---	---	---
16	4598	3338	2618	2053	1560	1111	804	598	456	354	279	223	180	146	120	98	81	67	56	---	---
16-3/4	4930	3555	2778	2251	1707	1276	924	689	525	408	322	258	208	170	139	115	95	79	66	55	---
18	5519	3935	3055	2495	1966	1539	1151	859	656	510	404	324	262	215	177	147	122	102	86	72	60
19-3/8	6228	4380	3375	2744	2271	1778	1428	1075	822	641	508	408	331	272	225	187	157	132	111	94	79
20-5/8	6933	4812	3681	2979	2500	2011	1614	1300	995	777	616	496	403	332	275	229	193	163	138	117	100

Notes:

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- (2) Span = simply supported beam.
- (3) Maximum deflection = L/360 under live load, based on live/total load = 0.8. Where additional stiffness is desired or for other live/total load ratios, design for deflection must be modified per requirements.
- (4) Service condition = dry.
- (5) Tabulated values represent total loads based on live/total load = 0.8 and have taken the dead weight of the beam (assumed 36 pcf) into account.
- (6) Sufficient bearing length shall be provided at supports
- (7) Maximum beam shear is located at a distance from the supports equal to the depth of the beam.
- (8) Upper-right areas limited by deflection; medium areas limited by bending strength; lower-left areas limited by shear strength.



2600Fb-1.9E-300Fv Southern Pine Glulam Roof Beams (lb/ft) – Snow Load

Load Duration Factor = 1.15, Fbx = 2,600 psi, Fvx = 300 psi, Ex = 1,900,000 psi

3-1/2-INCH WIDTH										SPAN (ft)												
Depth (in.)	8	10	12	14	16	18	20	22	24	26	28	30	32	34	36	38	40	42	44	46	48	
8-3/8	1267	808	551	344	228	158	113	83	62	---	---	---	---	---	---	---	---	---	---	---	---	---
9-1/4	1546	987	683	466	309	215	154	114	86	66	51	---	---	---	---	---	---	---	---	---	---	---
9-1/2	1631	1041	720	505	335	233	168	124	94	72	56	---	---	---	---	---	---	---	---	---	---	---
9-3/4	1719	1097	759	546	363	252	182	134	102	78	61	---	---	---	---	---	---	---	---	---	---	---
11-1/4	2290	1462	1012	741	561	391	282	210	159	123	97	77	62	---	---	---	---	---	---	---	---	---
11-7/8	2552	1629	1128	826	630	461	333	248	189	146	115	91	74	60	---	---	---	---	---	---	---	---
12-5/8	2885	1842	1276	935	713	556	402	299	228	177	139	111	90	73	60	---	---	---	---	---	---	---
14	3549	2267	1570	1151	878	691	551	411	314	244	193	155	125	102	84	70	58	---	---	---	---	---
15-3/8	4281	2735	1895	1389	1060	835	674	547	418	326	258	208	169	138	114	95	80	67	57	---	---	---
16	4637	2963	2053	1505	1149	905	730	601	473	369	292	235	191	157	130	109	91	77	65	55	---	---
16-3/4	5083	3248	2251	1650	1260	992	801	659	544	424	337	271	221	182	151	126	106	89	76	65	55	---
18	5780	3752	2601	1906	1456	1147	926	760	633	529	420	339	276	228	189	159	134	114	97	83	71	---
19-3/8	6521	4348	3014	2210	1688	1330	1072	878	732	619	527	425	348	287	239	201	170	144	123	106	91	---
20-5/8	7260	4928	3417	2506	1914	1508	1212	993	828	700	599	516	422	348	291	244	207	176	151	130	112	---

5-1/2-INCH WIDTH										SPAN (ft)												
Depth (in.)	8	10	12	14	16	18	20	22	24	26	28	30	32	34	36	38	40	42	44	46	48	
8-3/8	1991	1270	866	541	359	248	178	131	98	75	58	---	---	---	---	---	---	---	---	---	---	---
9-1/4	2430	1551	1073	732	486	337	243	179	135	103	80	63	---	---	---	---	---	---	---	---	---	---
9-1/2	2564	1636	1132	793	527	366	263	195	147	113	88	69	54	---	---	---	---	---	---	---	---	---
9-3/4	2701	1724	1193	858	570	397	286	211	160	123	96	75	60	---	---	---	---	---	---	---	---	---
11-1/4	3598	2297	1590	1164	881	614	444	330	250	194	152	121	97	78	63	51	---	---	---	---	---	---
11-7/8	4010	2560	1773	1298	990	725	524	389	296	230	181	144	116	94	76	62	51	---	---	---	---	---
12-5/8	4533	2895	2005	1469	1120	873	632	470	358	278	219	175	141	115	94	77	64	53	---	---	---	---
14	5577	3562	2468	1808	1380	1082	866	646	493	384	303	243	197	161	133	110	91	76	64	53	---	---
15-3/8	6728	4298	2978	2183	1662	1301	1044	855	657	512	406	326	265	217	180	150	125	105	89	75	64	---
16	7287	4656	3226	2365	1797	1407	1129	925	743	579	459	369	301	247	205	171	143	121	102	87	74	---
16-3/4	7987	5103	3537	2593	1966	1540	1236	1013	843	667	529	426	347	285	237	198	166	141	119	102	87	---
18	9083	5895	4087	2985	2264	1773	1424	1167	972	821	661	533	434	358	298	249	210	178	152	130	111	---
19-3/8	10248	6833	4737	3448	2616	2049	1646	1349	1124	950	812	668	546	451	376	315	267	227	194	166	143	---
20-5/8	11409	7744	5355	3897	2957	2316	1861	1526	1272	1075	919	794	663	548	457	384	325	277	237	204	176	---

Notes:

- (1) For preliminary design use only. Final design should include a complete analysis, including bearing stresses and lateral stability.
- (2) Span = simply supported beam.
- (3) Maximum deflection = L/180 under total load. Other deflection limits may apply.
- (4) Service condition = dry.
- (5) Tabulated values represent total loads and have taken the dead weight of the beam (assumed 36 pcf) into account.
- (6) Sufficient bearing length shall be provided at supports
- (7) Maximum beam shear is located at a distance from the supports equal to the depth of the beam.
- (8) Upper-right areas limited by deflection; medium areas limited by bending strength; lower-left areas limited by shear strength.



2600Fb-1.9E-300Fv Southern Pine Glulam Floor Beams (lbf/ft)

Load Duration Factor = 1.0, Fbx = 2,600 psi, Fvx = 300 psi, Ex = 1,900,000 psi

3-1/2-INCH WIDTH		SPAN (ft)																			
Depth (in.)	8	10	12	14	16	18	20	22	24	26	28	30	32	34	36	38	40	42	44	46	48
8-3/8	1101	596	342	212	140	96	68	---	---	---	---	---	---	---	---	---	---	---	---	---	---
9-1/4	1344	804	462	288	190	131	93	68	51	---	---	---	---	---	---	---	---	---	---	---	---
9-1/2	1418	872	501	312	206	143	102	74	55	---	---	---	---	---	---	---	---	---	---	---	---
9-3/4	1493	943	542	338	224	155	110	81	60	---	---	---	---	---	---	---	---	---	---	---	---
11-1/4	1990	1270	836	523	347	241	173	127	96	73	57	---	---	---	---	---	---	---	---	---	---
11-7/8	2217	1415	980	616	409	284	204	151	114	87	68	53	---	---	---	---	---	---	---	---	---
12-5/8	2507	1601	1108	742	493	343	247	183	138	106	83	65	52	---	---	---	---	---	---	---	---
14	3084	1970	1364	999	675	471	340	252	191	148	116	92	74	59	---	---	---	---	---	---	---
15-3/8	3721	2377	1646	1206	897	626	453	337	256	199	156	125	100	81	66	55	---	---	---	---	---
16	4030	2574	1784	1307	997	707	511	381	290	225	177	142	114	93	76	63	52	---	---	---	---
16-3/4	4418	2822	1955	1433	1093	812	588	438	334	260	205	164	133	108	89	73	61	50	---	---	---
18	5024	3260	2259	1656	1264	995	732	546	417	325	257	206	167	137	113	93	78	65	55	---	---
19-3/8	5669	3779	2619	1920	1466	1155	916	684	523	408	323	259	211	173	143	119	100	84	71	60	51
20-5/8	6311	4283	2969	2176	1662	1309	1051	828	633	494	392	315	257	211	175	146	123	103	88	74	63

5-1/2-INCH WIDTH		SPAN (ft)																			
Depth (in.)	8	10	12	14	16	18	20	22	24	26	28	30	32	34	36	38	40	42	44	46	48
8-3/8	1730	936	537	334	220	151	107	77	57	---	---	---	---	---	---	---	---	---	---	---	---
9-1/4	2111	1264	726	452	299	206	147	107	80	60	---	---	---	---	---	---	---	---	---	---	---
9-1/2	2228	1370	787	491	324	224	160	117	87	66	---	---	---	---	---	---	---	---	---	---	---
9-3/4	2347	1481	852	531	352	243	173	127	95	72	55	---	---	---	---	---	---	---	---	---	---
11-1/4	3127	1995	1313	821	545	378	272	200	151	115	89	70	55	---	---	---	---	---	---	---	---
11-7/8	3485	2224	1540	968	643	447	321	237	179	137	107	84	66	52	---	---	---	---	---	---	---
12-5/8	3940	2515	1741	1165	775	539	388	287	217	167	130	103	82	65	52	---	---	---	---	---	---
14	4847	3095	2143	1570	1061	740	534	396	301	233	182	145	116	93	76	61	---	---	---	---	---
15-3/8	5848	3735	2587	1895	1410	984	712	529	403	312	246	196	158	128	104	86	70	58	---	---	---
16	6334	4046	2803	2053	1560	1111	804	598	456	354	279	223	180	146	120	98	81	67	56	---	---
16-3/4	6942	4435	3073	2251	1707	1276	924	689	525	408	322	258	208	170	139	115	95	79	66	55	---
18	7895	5123	3550	2593	1966	1539	1151	859	656	510	404	324	262	215	177	147	122	102	86	72	60
19-3/8	8908	5938	4115	2995	2271	1778	1428	1075	822	641	508	408	331	272	225	187	157	132	111	94	79
20-5/8	9917	6731	4653	3385	2567	2011	1614	1300	995	777	616	496	403	332	275	229	193	163	138	117	100

Notes:

- (1) For preliminary design use only. Final design should include a complete analysis, including bearing stresses and lateral stability.
- (2) Span = simply supported beam.
- (3) Maximum deflection = L/360 under live load, based on live/total load = 0.8. Where additional stiffness is desired or for other live/total load ratios, design for deflection must be modified per requirements.
- (4) Service condition = dry.
- (5) Tabulated values represent total loads based on live/total load = 0.8 and have taken the dead weight of the beam (assumed 36 pcf) into account.
- (6) Sufficient bearing length shall be provided at supports
- (7) Maximum beam shear is located at a distance from the supports equal to the depth of the beam.
- (8) Upper-right areas limited by deflection; medium areas limited by bending strength; lower-left areas limited by shear strength.