BOOZERBEAM

STRUCTURAL GLULAM COLUMN

1.9E • 2300Fc

- Stronger and more dimensionally stable than solid sawn posts.
- Lower cost than PSL.
- Exceptional value in cost vs. performance.
- Made from the finest dense southern yellow pine lumber.
- Available in architectural appearance grade for visually exposed applications. Absolutely beautiful!
- LiquiSeal™ wax coating available.
- Available in any length up to 52'.
- Quality inspected by APA-The Engineered Wood Assocation.







BOOZERBEAM 1.9E Structural Glulam Columns are available in the following widths:

3 1/8" 3 1/2" 5 1/8" 5 1/4" 5 1/2" 6 3/4"

Please contact your nearest **B00ZERBEAM** dealer for sizes available in your market.

BOOZERBEAM





Allowable Axial Loads (Pounds) for Combination No. 50 Glulam Column (DRY USE)

Side loads are not permitted. End loads are limited to a maximum eccentricity of either 1/6 column width or depth, whichever is worse

Effective															Lan	ination	Net Wid	th = 3-1/	2 In.														- 3
Column	Net Dep	oth = 3-1 lams)	/2 In. (3	Net Dep	th = 4-1 lams)	/4 In. (4	Net De	oth = 5-1 lams)	1/4 ln. (4	Net Dep	pth = 5-1 lams)	/2 in. (4	Net D	epth = 7 lams)	In. (6	Net De	pth = 8-1 lams)	/4 ln. (6	Net De	oth = 8-3 lams)	3/8 In. (7	Net De	oth = 9-1. lams)	/4 ln. (7	Net De	pth = 9-1 (ams)	/2 In. (7	Net De	pth = 11 (9 lams		Net De	epth = 11 (9 lams)	
Lengu	Load D	Duration	Factor	Load D	ouration	Factor	Load I	Duration	Factor	Load 0	Duration	Factor	Load I	uration	Factor	Load	Duration	Factor	Load I	Duration	Factor	Load D	Duration	Factor	Load I	Duration	Factor	Load	Duration	Factor	Load	Duration	Factor
(ft)	1.00	1.15	1.25	1.00	1.15	1.25	1.00	1.15		1.00	1.15	1.25	1.00	1.15	1.25							1.00	1.15		1.00	1.15	1.25	1.00	1.15	1.25	1.00	1.15	1.25
4	11,980	13,550	14,490	17,180	19,420	20,750	22,120	25,060	26,620	23,330	26,250	27,890	29,720	33,410	35,490	35,030	39,380	41,830	35,560	39,970	42,460	39,280	44,150	46,900	40,340	45,340	48,170	47,770	53,700	57,040	50,420	56,680	60,210
5	10,850	12,150	12,850	15,460	17,270	18,210	19,440	21,550	22,580	20,360	22,570	23,660	25,920	28,730	30,110	30,550	33,860	35,490	31,010	34,380	36,020	34,250	37,970	39,790	35,180	38,990	40,860	41,650	46,180	48,390	43,970	48,740	51,080
6	9,570	10,580	11,050	13,310	14,570	15,090	16,450	18,000	18,650	17,230	18,850	19,530	21,930	24,000	24,860	25,840	28,280	29,300	26,240	28,710	29,740	28,980	31,710	32,850	29,760	32,570	33,740	35,240	38,570	39,960	37,200	40,710	42,180
7																																	34,720
8	7,060	7,660	7,880	9,330	10,070	10,320	11,530	12,440	12,750	12,080	13,040	13,350	15,370	16,590	16,990	18,120	19,560	20,030	18,390	19,850	20,330	20,310	21,930	22,460	20,860	22,520	23,060	24,710	26,670	27,310	26,080	28,150	28,830
9																																23,720	
10	5,220	5,610	5,730	6,750	7,230	7,370	8,330	8,940	9,100	8,730	9,360	9,530	11,110	11,910	12,130	13,090	14,040	14,300	13,290	14,250	14,520	14,680	15,740	16,030	15,080	16,170	16,470	17,860	19,150	19,500	18,850	20,210	20,580
11	4,530	4,860	4,960	5,820	6,230	6,330	7,190	7,690	7,820	7,530	8,060	8,190	9,580	10,250	10,420	11,300	12,090	12,290	11,470	12,270	12,470	12,660	13,550	13,780	13,010	13,920	14,150	15,400	16,480	16,750	16,260	17,400	17,680
12	3,970	4,250	4,320	5,060	5,410	5,490	6,260	6,680	6,780	6,550	7,000	7,110	8,340	8,910	9,040	9,830	10,500	10,660	9,980	10,660	10,820	11,020	11,770	11,950	11,320	12,090	12,270	13,410	14,320	14,540	14,150	15,120	15,340
13																																	13,430
14	3,100	3,310	3,360	3,930	4,190	4,240	4,850	5,170	5,240	5,090	5,420	5,490	6,470	6,890	6,980	7,630	8,130	8,230	7,740	8,250	8,350	8,550	9,110	9,230	8,780	9,360	9,480	10,400	11,080	11,220	10,980	11,700	11,840

- The tabulated allowable loads apply only to one-piece glulam members made with all N1D14 laminations (Combination 5D) without special tension laminations.
- 1. The tabulated allowable loads apply only to one-piece guisam members made with all NID14 laminations (Combination 50) without special tension laminations.

 2. Applicable service conditions = day

 3. The tabulated allowable loads are based on simply axially loaded columns subjected to a maximum eccentricity of either 1/5 column width or 1/5 column depth, whichever is worse. For side loads, other eccentric ned loads, or other combined axial and flexural loads, see 2015 NDS

 4. The column is assumed to be unbraced, except at the column ends, and the effective column length is equal to the actual column length.

 5. Design properlies for normal load duration and drysues service conditions:

 Compression parallel to grain (F_c) = 2,300 psi for 4 or more lams, or 1,700 psi for 2 or 3 lams.

Complexion plantane $(p_1 - p_2)$ and $(p_2 - p_3)$ and $(p_3 - p_4)$ and Modulus of leability $(E_p - 1.9 \times 10^5)$ point for 4 or more lams, or 2,100 psi for 3 lams. Flexural stress when loaded parallel to wide faces of lamination $(E_{p_3}) - 2,300$ psi for 4 or more lams, or 2,100 psi for 3 lams. Flexural stress when loaded perpendicular to wide faces of lamination $(E_{p_3}) - 2,100$ psi for 2 lams to 15 in. deep without special tension laminations. Volume factor for E_{p_3} is in accordance with 2015 NDS. Size factor for E_{p_3} is $(12/d)^{10}$, where d is equal to the lamination width in inches.

Allowable Axial Loads (Pounds) for Combination No. 50 Glulam Column (WET USE)

Side loads are not permitted. End loads are limited to a maximum eccentricity of either 1/6 column width or depth, whichever is worse.

Effective	k														Lan	nination	Net Wid	th = 3-1/	2 in.														
Column Length	Net De	pth = 3-1 (ams)	/2 In. (3	Net Dep	oth = 4-1 lams)	/4 In. (4	Net Dep	th = 5-1 lams)	/4 In. (4	Net Dep	oth = 5-1 lams)	/2 in. (4	Net D	epth = 7 lams)	In. (6	Net De	oth = 8-1 lams)	/4 ln. (6	Net De	oth = 8-3 lams)	1/8 In. (7	Net Dep	oth = 9-1. lams)	/4 In. (7	Net Dep	oth = 9-1 (ams)	/2 In. (7		pth = 11 (9 lams)			epth = 11 (9 lams	
Lengar	Load (Duration	Factor	Load D	Duration	Factor	Load D	uration	Factor	Load D	Duration	Factor	Load D	Duration	Factor	Load (Duration	Factor	Load I	Duration	Factor	Load D	Duration	Factor	Load 0	Duration	Factor	Load I	Duration	Factor	Load	Duration	Factor
(ft)	1.00	1.15	1.25	1.00	1.15	1.25	1.00	1.15	1.25	1.00	1.15	1,25	1.00	1.15	1.25	1.00	1.15	1.25	1.00	1.15	1.25	1.00	1.15	1.25	1.00	1.15	1.25	1.00	1.15	1.25	1.00	1.15	1.25
4	9,250	10,490	11,240	13,380	15,150	16,220	17,130	19,460	20,880	18,050	20,520	21,870	23,180	26,130	27,840	27,320	30,800	32,810	27,730	31,260	33,310	30,630	34,530	36,790	31,460	35,460	37,780	37,250	42,000	44,740	39,320	44,330	47,230
5	8,490	9,540	10,130	12,200	13,680	14,480	15,420	17,160	18,050	16,150	17,980	18,910	20,560	22,880	24,070	24,230	26,970	28,370	24,600	27,380	28,800	27,170	30,240	31,810	27,900	31,060	32,670	33,040	36,780	38,690	34,880	38,820	40,840
6	7,610	8,440	8,860	10,730	11,790	12,250	13,260	14,560	15,130	13,890	15,250	15,850	17,680	19,410	20,170	20,840	22,880	23,770	21,150	23,230	24,130	23,360	25,650	26,650	23,990	26,350	27,370	28,410	31,200	32,420	29,990	32,930	34,220
7	6,660	7,300	7,580	9,070	9,860	10,160	11,200	12,180	12,550	11,730	12,760	13,150	14,930	16,240	16,730	17,600	19,140	19,720	17,860	19,430	20,020	19,730	21,460	22,110	20,260	22,040	22,710	24,000	26,100	26,890	25,330	27,550	28,390
8	5,750	6,250	6,440	7,640	8,260	8,470	9,440	10,210	10,460	9,890	10,690	10,960	12,590	13,610	13,950	14,840	16,040	16,440	15,060	16,280	16,690	16,640	17,980	18,440	17,090	18,470	18,930	20,230	21,870	22,420	21,360	23,080	23,670
9			5,490																														
10	4,280	4,610	4,720	5,550	5,960	6,070	6,860	7,360	7,500	7,190	7,710	7,860	9,150	9,820	10,000	10,780	11,570	11,790	10,940	11,740	11,970	12,090	12,970	13,220	12,410	13,320	13,580	14,700	15,780	16,080	15,520	16,650	16,970
11	3,730	4,000	4,080	4,800	5,140	5,220	5,930	6,350	6,450	6,210	6,650	6,760	7,900	8,460	8,610	9,310	9,970	10,140	9,450	10,120	10,300	10,440	11,180	11,370	10,720	11,480	11,680	12,700	13,600	13,830	13,410	14,350	14,600
12	3,270		3,560																														
13			3,130																				8,530										
14	2,560	2,740	2,780	3,250	3,460	3,510	4,010	4,280	4,330	4,200	4,480	4,540	5,350	5,700	5,780	6,310	6,720	6,810	6,400	6,820	6,910	7,070	7,540	7,630	7,260	7,740	7,840	8,600	9,170	9,290	9,080	9,670	9,800

The tabulated allowable loads apply only to one-piece glulam members made with all N1D14 laminations (Combination 50) without special tension laminations.
 Applicable service conditions - wet

- Applicable service conditions = wef.
 The labulated allowable loads are based on simply axially loaded columns subjected to a maximum eccentricity of either 1/6 column width or 1/6 column depth, whichever is worse. For side loads, other eccentrice end loads, or other combined axial and flexural loads, see 2015 NDS.
 The column is assumed to be unbraced, except at the column ends, and the effective column length is equal to the actual column length.
 Design properties for normal load duration and wel-use service conditions:
 Compression parallel to grain (F_a) = 2,300 x 0.73 psi for 4 or more lams, or 1,700 x 0.73 psi for 2 or 3 lams.
 Modulus of elasticity (F) = 1,9 x 8.33 x 10⁵ psi
 Fieural stress when loaded parallel to wide faces of lamination (F_{bx}) = 2,300 x 0.8 psi for 4 or more lams, or 2,100 x 0.8 psi for 3 lams.
 Fieural stress when loaded expendicular to wide faces of amination (F_{bx}) = 2,100 x 0.8 psi for 2 lams to 15 in. deep without special lension laminations.
 Volume factor for F_{bx} is in accordance with 2015 NDS. Size factor for F_{by} is (12/d) ¹⁶, where d is equal to the lamination width in inches.

Allowable Axial Loads (Pounds) for Combination No. 50 Glulam Column (DRY USE)

Side loads are not permitted. End loads are limited to a maximum eccentricity of either 1/6 column width or depth, whichever is worse.

							101			Ci Ci		La	mination	Net Wid	th = 5-1	4 in.			K1			10.1			96.7		
Effective Column Length	Net De	pth = 5-1 lams)	1/4 in. (4	Net De	pth = 5-1 lams)	/2 in. (4	Net D	epth = 7 lams)	in. (6	Net De	pth = 8-1 lams)	/4 in. (6	Net Dep	oth = 8-3 lams)	/8 in. (7	Net De	oth = 9-1 lams)	1/4 in. (7	Net Dep	oth = 9-1 lams)	/2 in. (7		pth = 11 (9 lams)		Net De	pth = 11- lams)	-7/8 in. (9
	Load [Duration	Factor	Load [Duration	Factor	Load I	Duration	Factor	Load	Duration	Factor	Load I	Duration	Factor	Load I	Duration	Factor	Load D	Duration	Factor	Load I	Duration	Factor	Load	Duration	Factor
(ft)	1.00	1.15	1.25	1.00	1.15	1.25	1.00	1.15	1.25	1.00	1.15	1.25	1.00	1.15	1.25	1.00	1.15	1.25	1.00	1.15	1.25	1.00	1.15	1.25	1.00	1.15	1.25
4	34,110	38,860	41,850	35,970	41,010	44,180	47,100	53,840	58,160	56,220	64,340	69,580	57,130	65,380	70,720	63,450	72,650	78,620	65,250	74,720	80,870	77,790	89,140	96,530	82,250	94,260	102,100
5																											96,300
6	30,090	33,850	35,990	31,990	36,040	38,370	43,330	49,020	52,090	51,390	57,780	61,390	52,170	58,650	62,320	57,620	64,780	68,830	59,180	66,530	70,690	70,080	78,790	83,710	73,970	83,170	88,360
7	27,670	30,880	32,570	29,570	33,030	34,880	39,990	44,560	46,920	47,130	52,510	55,300	47,840	53,310	56,140	52,840	58,880	62,010	54,270	60,470	63,680	64,260	71,610	75,410	67,830	75,590	79,600
8	25,120	27,780	29,060	26,950	29,840	31,250	36,130	39,880	41,630	42,580	47,000	49,070	43,220	47,710	49,810	47,740	52,700	55,020	49,030	54,120	56,500	58,060	64,090	66,910	61,290	87,660	70,630
9	22,570	24,770	25,730	24,290	26,680	27,750	32,280	35,350	36,640	38,040	41,660	43,180	38,620	42,290	43,840	42,660	46,710	48,420	43,810	47,970	49,730	51,880	56,810	58,890	54,760	59,960	62,160
10	20,170	22,010	22,750	21,760	23,760	24,580	28,690	31,230	32,210	33,820	36,810	37,960	34,330	37,360	38,540	37,920	41,270	42,570	38,940	42,380	43,720	46,120	50,190	51,770	48,680	52,980	54,640
11																											48,180
12																											42,660
13	14,490	15,640	16,030	15,700	16,950	17,370	20,320	21,890	22,380	23,950	25,800	26,380	24,320	26,190	26,780	26,860	28,930	29,580	27,580	29,710	30,380	32,670	35,190	35,980	34,480	37,140	37,970
14																											33,970
15	11,820	12,710	12,970	12,820	13,790	14,080	16,470	17,670	18,010	19,410	20,830	21,220	19,710	21,140	21,540	21,760	23,350	23,790	22,350	23,980	24,440	26,470	28,400	28,940	27,940	29,980	30,550
16	10,740	11,530	11,750	11,660	12,510	12,760	14,920	15,980	16,270	17,590	18,840	19,170	17,850	19,120	19,460	19,720	21,120	21,490	20,250	21,690	22,070	23,980	25,690	26,140	25,310	27,120	27,590
17	9,790	10,490	10,680	10,630	11,400	11,600	13,570	14,520	14,760	16,000	17,110	17,390	16,240	17,370	17,660	17,930	19,190	19,500	18,420	19,700	20,030	21,810	23,330	23,720	23,020	24,630	25,040
18	8,960	9,590		9,730																							22,810
19	8,230	8,800	8,940	8,920	9,520																					20,560	
20	7,580	8,090	8,220	8,200	8,750	8,870	10,440	11,130	11,290	12,300	13,120	13,300	12,490	13,320	13,500	13,800	14,710	14,920	14,170	15,110	15,320	16,780	17,890	18,140	17,710	18,890	19,150
21	7,000	7,470	7,580	7,570	8,060	8,170	9,630	10,260	10,390	11,350	12,090	12,250	11,520	12,280	12,440	12,720	13,560	13,740	13,070	13,930	14,110	15,470	16,490	16,710	16,330	17,410	17,630

1. The tabulated allowable loads apply only to one-piece glulam members made with all N1D14 laminations (Combination 50) without special tension laminations.

- 2. Applicable service conditions = dry
- Applicable service conditions = dry
 Applicable service conditions = dry
 The tabulated allowable loads are based on simply axially loaded columns subjected to a maximum eccentricity of either 1/8 column width or 1/8 column depth, whichever is worse For side loads, other eccentric end loads, or other combined axial and flexural loads, see 2015 NDS
 The column is assumed to be unbraced, except at the column ends, and the effective column length is equal to the actual column length.
 Design properties for normal load duration and dry-use service conditions:

Compression parallel to grain (F_c) = 2,300 psi for 4 or more lams, or 1,700 psi for 2 or 3 lams. Modulus of elasticity (E) = 1.9 x 10⁶ psi

Flexural stress when loaded parallel to wide faces of lamination (F_{by}) = 2,300 psi for 4 or more lams, or 2,100 psi for 3 lams.

Flexural stress when loaded perpendicular to wide faces of lamination (Fbx) = 2,100 psi for 2 lams to 15 in. deep without special tension laminations.

Volume factor for F_{bx} is in accordance with 2015 NDS. Size factor for F_{by} is (12/d)^{1/9}, where d is equal to the lamination width in inches.

Allowable Axial Loads (Pounds) for Combination No. 50 Glulam Column (WET USE)

Side loads are not permitted. End loads are limited to a maximum eccentricity of either 1/6 column width or depth, whichever is worse.

		- 12										Lar	nination	Net Wid	th = 5-1/-	4 in.	- 23					11111					
Effective Column	Net Dep		/4 in. (4	Net Dep		/2 in. (4	Net D	epth = 7	in. (6	Net De		/4 in. (6	Net De	pth = 8-3	3/8 in. (7	Net Dep		/4 in. (7	Net Dep		/2 in. (7	100000000000000000000000000000000000000			N. S.	pth = 11	(100 mm)
Length		lams)			lams)	- 6		lams)		81	lams)			lams)			lams)			lams)			(9 lams)		18	(9 lams)	
100	Load I	Duration	Factor	Load [Duration	Factor	Load [Duration	Factor	Load [Duration	Factor	Load I	Duration	Factor	Load [Duration	Factor	Load [Ouration	Factor	Load	Duration	Factor	Load I	Duration	Factor
(ft)	1.00	1.15	1.25	1.00	1.15	1.25	1.00	1.15	1.25	1.00	1.15	1.25	1.00	1.15	1.25	1.00	1.15	1.25	1.00	1.15	1.25	1.00	1.15	1.25	1.00	1.15	1.25
4	26,320	30,020	32,360	27,730	31,650	34,130	36,170	41,370	44,730	43,090	49,340	53,400	43,780	50,130	54,260	48,580	55,660	60,270	49,950	57,230	61,980	59,490	68,200	73,900	62,890	72,100	78,140
5	25,060	28,450	30,520	26,500	30,100	32,320	35,040	39,950	43,050	42,000	47,960	51,750	42,690	48,750	52,610	47,500	54,280	58,250	48,870	55,780	59,830	58,200	66,050	70,850	61,430	69,720	74,780
6	23,580	26,590	28,350	25,030	28,260	30,160	33,640	38,170	40,900	40,120	45,240	48,200	40,730	45,920	48,930	44,980	50,720	54,040	46,200	52,090	55,500	54,710	61,690	65,730	57,750	65,110	69,380
7	21,890	24,510	25,930	23,340	26,170	27,720	31,550	35,290	37,300	37,190	41,590	43,960	37,750	42,220	44,630	41,700	46,640	49,290	42,820	47,900	50,620	50,710	56,720	59,950	53,530	59,870	63,280
8	20,070	22,280	23,380	21,490	23,890	25,100	28,840	31,960	33,480	33,980	37,670	39,460	34,500	38,240	40,060	38,100	42,230	44,250	39,130	43,370	45,440	46,340	51,360	53,810	48,920	54,220	56,800
9	18,200	20,040	20,870	19,560	21,560	22,480	26,030	28,600	29,730	30,670	33,700	35,040	31,140	34,210	35,570	34,390	37,790	39,280	35,320	38,810	40,340	41,830	45,960	47,780	44,150	48,510	50,430
10	16,380	17,910	18,550	17,650	19,320	20,030	23,310	25,430	26,280	27,470	29,970	30,970	27,880	30,420	31,440	30,800	33,600	34,730	31,630	34,510	35,670	37,450	40,870	42,240	39,540	43,140	44,580
11	14,700	15,990	16,500	15,870	17,280	17,840	20,810	22,590	23,250	24,530	26,630	27,400	24,900	27,030	27,820	27,500	29,860	30,730	28,250	30,660	31,560	33,450	36,310	37,370	35,310	38,330	39,450
12	13,200	14,310	14,710	14,270	15,480	15,920	18,610	20,120	20,640	21,930	23,710	24,330	22,260	24,070	24,700	24,590	26,590	27,280	25,250	27,310	28,010	29,900	32,340	33,180	31,560	34,130	35,020
13	11,880	12,840	13,170	12,860	13,910	14,270	16,680	17,990	18,410	19,660	21,200	21,690	19,960	21,520	22,020	22,040	23,770	24,320	22,640	24,410	24,980	26,810	28,910	29,580	28,300	30,510	31,220
14	10,730																									27,390	
15	9,720	10,460	10,680																							24,690	
16	8,840																									22,360	
17	8,070	8,650	8,810	8,760	9,400																					20,330	
18	7,390	7,910	8,050	8,030	8,590																					18,550	
19	6,790	7,260	7,380	7,370	7,870	7,990	9,380																			16,990	
20	6,260	6,690	6,790	6,780	7,230	7,330	8,630																			15,610	
21	5,780	6,170	6,270	6,250	6,670	6,760	7,960	8,490	8,600	9,380	10,000	10,130	9,520	10,150	10,290	10,520	11,210	11,360	10,800	11,520	11,670	12,790	13,640	13,820	13,500	14,400	14,590

- Notes:
 1. The tabulated allowable loads apply only to one-piece glulam members made with all N1D14 laminations (Combination 50) without special tension laminations.
- Applicable service conditions = we
- The tabulated allowable loads are based on simply axially loaded columns subjected to a maximum eccentricity of either 1/8 column width or 1/8 column depth, whichever is worse.
 For side loads, other eccentric end loads, or other combined axial and flexural loads, see 2015 NDS
- The column is assumed to be unbraced, except at the column ends, and the effective column length is equal to the actual column length.

Design properties for normal load duration and wet-use service conditions:
 Compression parallel to grain (F_c) = 2,300 x 0.73 psi for 4 or more lams, or 1,700 x 0.73 psi for 2 or 3 lams

Modulus of elasticity (E) = $1.9 \times 0.833 \times 10^6$ psi Flexural stress when loaded parallel to wide faces of lamination (F_{by}) = 2.300×0.8 psi for 4 or more lams, or 2.100×0.8 psi for 3 lams.

Flexural stress when loaded perpendicular to wide faces of lamination ($F_{\rm bp}$) = 2,100 x.0.9 s if or 2 lams to 15 in. deep without special tension laminations. Volume factor for $F_{\rm by}$ is in accordance with 2015 NDS. Size factor for $F_{\rm by}$ is (12/d) ^{1/8}, where d is equal to the lamination width in inches.

Allowable Axial Loads (Pounds) for Combination No. 50 Glulam Column (DRY USE)

Side loads are not permitted. End loads are limited to a maximum eccentricity of either 1/6 column width or depth, whichever is worse.

- H											Lamina	ation Ne	t Width =	5-1/2 ir	1.									
Column Length	Net Dep	oth = 5-1 lams)	/2 in. (4	Net D	epth = 7 lams)	' in. (6	Net Dep	oth = 8-1 lams)	/4 in. (6	Net Dep	oth = 8-3 lams)	/8 in. (7	Net Dep	oth = 9-1 lams)	/4 in. (7	Net De	oth = 9-1 lams)	/2 in. (7	Net De	pth = 11- lams)	1/4 in. (9	Net De	pth = 11- lams)	-7/8 in. (9
Lengui	Load E	Ouration	Factor	Load [Duration	Factor	Load D	uration	Factor	Load [Duration	Factor	Load E	Ouration	Factor	Load [Duration	Factor	Load	Duration	Factor	Load	Duration	Factor
(ft)	1.00	1.15	1.25	1.00	1.15	1.25	1.00	1.15	1.25	1.00	1.15	1.25	1.00	1.15	1.25	1.00	1.15	1.25	1.00	1.15	1.25	1.00	1.15	1.25
4	37,770	43,060	46,410	49,420	56,500	61,050	58,990	67,520	73,050	59,940	68,620	74,240	66,580	76,250	82,540	68,470	78,430	84,900	81,630	93,560	101,350	86,310	98,950	107,200
5	35,900	40,730	43,670	47,720	54,360	58,520	57,360	65,450	70,580	58,320	66,550	71,780	64,970	74,200	79,930	66,860	76,380	82,090	79,950	90,690	97,220	84,390	95,720	102,620
							54,980															79,130	89,160	94,940
7	31,240	34,950	36,960	43,130	48,210	50,920	50,840	56,820	60,010	51,610	57,680	60,920	57,000	63,700	67,280	58,540	65,420	69,100	69,320	77,480	81,830	73,170	81,780	86,370
							46,360																	
																					65,030	60,130	66,040	68,640
							37,390																	
																					50,900			
							29,870															42,990	46,510	47,730
13							26,790															38,560	41,600	42,590
14							24,120															34,720	37,370	38,180
15							21,800															31,390	33,710	34,390
16	12,630	13,580	13,850	16,790	18,000	18,340	19,790	21,220	21,610	20,090	21,540	21,940	22,190	23,790	24,230	22,780	24,430	24,890	26,980	28,940	29,470	28,480	30,540	31,110
17	11,540	12,380	12,610	15,290	16,380	16,660	18,020	19,300	19,640	18,300	19,590	19,930	20,210	21,640	22,020	20,750	22,230	22,610	24,580	26,320	26,780	25,940	27,780	28,270
18	10,570	11,330	11,530	13,980	14,950	15,200	16,480	17,620	17,910	16,730	17,890	18,180	18,470	19,760	20,080	18,970	20,290	20,620	22,470	24,030	24,420	23,720	25,370	25,780
19	9,720	10,400					15,120															21,760	23,250	23,600
20	8,960	9,580	9,730	11,800	12,600	12,780	13,910	14,850	15,060	14,120	15,070	15,290	15,600	16,650	16,890	16,020	17,100	17,350	18,970	20,250	20,540	20,020	21,370	21,680
21	8,290	8,850	8,980	10,900	11,620	11,780	12,840	13,700	13,880	13,040	13,900	14,090	14,400	15,360	15,570	14,790	15,770	15,990	17,510	18,680	18,930	18,480	19,710	19,980
22	7,680	8,200	8,320	10,090	10,750	10,890	11,890	12,670	12,830	12,070	12,860	13,030	13,330	14,200	14,390	13,690	14,590	14,780	16,210	17,280	17,500	17,110	18,240	18,470

- 1. The tabulated allowable loads apply only to one-piece glulam members made with all N1D14 laminations (Combination 50) without special tension laminations.
- 2. Applicable service conditions = dry
- 3. The tabulated allowable loads are based on simply axially loaded columns subjected to a maximum eccentricity of either 1/6 column width or 1/6 column depth, whichever is worse. For side loads, other eccentric end loads, or other combined axial and flexural loads, see 2015 NDS
- 4. The column is assumed to be unbraced, except at the column ends, and the effective column length is equal to the actual column length.
- 5. Design properties for normal load duration and dry-use service conditions

Compression parallel to grain (Fc) = 2,300 psi for 4 or more lams, or 1,700 psi for 2 or 3 lams.

Modulus of elasticity (E) = 1.9 x 10⁶ psi

Flexural stress when loaded parallel to wide faces of lamination (F_{py}) = 2,300 psi for 4 or more lams, or 2,100 psi for 3 lams.

Flexural stress when loaded perpendicular to wide faces of lamination (F_{DX}) = 2,100 psi for 2 lams to 15 in. deep without special tension laminations.

Volume factor for F_{DX} is in accordance with 2015 NDS. Size factor for F_{DY} is $(12/d)^{1/9}$, where d is equal to the lamination width in inches.

Allowable Axial Loads (Pounds) for Combination No. 50 Glulam Column (WET USE)

Side loads are not permitted. End loads are limited to a maximum eccentricity of either 1/6 column width or depth, whichever is worse.

							8			8	Lamina	tion Net	Width =	5-1/2 in.		22			25			52		
Column Length	Net De	pth = 5-1 lams)	/2 in. (4	Net D	epth = 7 lams)	' in. (6	Net De	pth = 8-1 lams)	/4 in. (6	Net De	pth = 8-3 lams)	3/8 in. (7	Net De	pth = 9-1 lams)	1/4 in. (7	Net De	oth = 9-1 lams)	/2 in. (7	E18 - 18 20 20 20 20 20 20 20 20 20 20 20 20 20	epth = 11 (9 lams		20,000	pth = 11 (9 lams)	
Lengui	Load [Duration	Factor	Load I	Duration	Factor	Load I	Duration	Factor	Load I	Duration	Factor	Load I	Duration	Factor	Load I	Duration	Factor	Load I	Duration	Factor	Load 0	Ouration	Factor
(ft)	1.00	1.15	1.25	1.00	1.15	1.25	1.00	1.15	1.25	1.00	1.15	1.25	1.00	1.15	1.25	1.00	1.15	1.25	1.00	1.15	1.25	1.00	1.15	1.25
4	29,110	33,230	35,850	37,940	43,410	46,940	45,210	51,770	56,040	45,930	52,600	56,950	50,970	58,410	63,260	52,410	60,060	65,050	62,420	71,570	77,570	65,980	75,670	82,020
5	27,850	31,640	33,990	36,800	41,970	45,240	44,120	50,390	54,400	44,840	51,230	55,310	49,900	57,040	61,630	51,340	58,700	63,430	61,350	70,130	75,320	64,900	74,030	79,510
6	26,340	29,770	31,790	35,400	40,200	43,140	42,740	48,360	51,620	43,450	49,090	52,410	47,990	54,220	57,880	49,290	55,680	59,450	58,370	65,940	70,400	61,610	69,600	74,310
7	24,640	27,650	29,330	33,710	38,040	40,310	39,970	44,830	47,510	40,580	45,510	48,230	44,820	50,260	53,270	46,030	51,620	54,710	54,510	61,130	64,790	57,540	64,530	68,390
8							36,850																	
9	20,810	22,990	24,020	28,470	31,390	32,730	33,550	36,990	38,570	34,060	37,550	39,150	37,620	41,470	43,240	38,640	42,600	44,410	45,750	50,440	52,590	48,300	53,240	55,520
10	18,870	20,690	21,480	25,690	28,110	29,120	30,270	33,130	34,320	30,730	33,630	34,840	33,940	37,140	38,480	34,860	38,150	39,520	41,280	45,180	46,800	43,580	47,690	49,400
11	17,030	18,570	19,190	23,070	25,110	25,890	27,190	29,590	30,510	27,610	30,040	30,970	30,490	33,180	34,210	31,310	34,070	35,130	37,080	40,350	41,610	39,140	42,590	43,920
12	15,360	16,680	17,180	20,720	22,450	23,060	24,410	26,450	27,180	24,780	26,860	27,600	27,370	29,660	30,480	28,110	30,460	31,300	33,290	36,070	37,070	35,140	38,080	39,130
13	13,870	15,020	15,420	18,630	20,120	20,620	21,960	23,720	24,310	22,290	24,080	24,670	24,620	26,590	27,250	25,290	27,310	27,990	29,940	32,340	33,140	31,610	34,140	34,990
14	12,560	13,560	13,890	16,810	18,110	18,520	19,810	21,340	21,820	20,110	21,660	22,150	22,210	23,930	24,470	22,810	24,570	25,130	27,010	29,100	29,760	28,510	30,720	31,410
15	11,410	12,290	12,570	15,220	16,360	16,700	17,930	19,280	19,680	18,200	19,570	19,980	20,110	21,620	22,060	20,650	22,200	22,660	24,450	26,290	26,830	25,810	27,750	28,330
16	10,390						16,290																	
17	9,500	10,200	10,400	12,600	13,510	13,750	14,850	15,920	16,200	15,080	16,160	16,450	16,650	17,850	18,170	17,100	18,330	18,660	20,260	21,710	22,090	21,380	22,910	23,320
18	8,710	9,340	9,510	11,530	12,340	12,550	13,590	14,540	14,790	13,800	14,770	15,010	15,240	16,310	16,580	15,650	16,750	17,030	18,530	19,830	20,170	19,560	20,940	21,290
19	8,020	8,580	8,730	10,590	11,320	11,490	12,480	13,340	13,550	12,670	13,540	13,750	13,990	14,950	15,190	14,370	15,360	15,600	17,010	18,190	18,470	17,960	19,200	19,500
20	7,400	7,910	8,040	9,750	10,410	10,560	11,490	12,270	12,450	11,660	12,450	12,640	12,880	13,760	13,960	13,230	14,130	14,340	15,670	16,730	16,980	16,540	17,660	17,920
21	6,840	7,310	7,420	9,000	9,610	9,740	10,610	11,320	11,480	10,770	11,490	11,650	11,900	12,690	12,870	12,220	13,040	13,220	14,470	15,440	15,660	15,270	16,300	16,530
22	6,350	6,780	6,880	8,340	8,890	9,010	9,830	10,480	10,620	9,980	10,640	10,780	11,020	11,750	11,900	11,320	12,060	12,230	13,400	14,290	14,480	14,150	15,080	15,280

- The tabulated allowable loads apply only to one-piece glulam members made with all N1D14 laminations (Combination 50) without special tension laminations.
- The tabulated allowable loads appl
 Applicable service conditions = wel
- The tabulated allowable loads are based on simply axially loaded columns subjected to a maximum eccentricity of either 1/6 column width or 1/6 column depth, whichever is worse. For side loads, other eccentric end loads, or other combined axial and flexural loads, see 2015 NDS
- 4. The column is assumed to be unbraced, except at the column ends, and the effective column length is equal to the actual column length.
- Design properties for normal load duration and wet-use service conditions:
 Compression parallel to grain (F_c) = 2,300 x 0.73 psi for 4 or more lams, or 1,700 x 0.73 psi for 2 or 3 lams.

Modulus of elasticity (E) = 1.9 x 0.833 x 10⁶ psi

Flexural stress when loaded parallel to wide faces of lamination (F_{by}) = 2,300 x 0.8 psi for 4 or more lams, or 2,100 x 0.8 psi for 3 lams.

Flexural stress when loaded perpendicular to wide faces of lamination (F_{DX}) = 2,100 x 0.8 psi for 2 lams to 15 in. deep without special tension laminations.

Volume factor for F_{bx} is in accordance with 2015 NDS. Size factor for F_{by} is (12/d)^{1/9}, where d is equal to the lamination width in inches.

Allowable Axial Loads (Pounds) for Combination No. 50 Glulam Column (DRY USE)

Side loads are not permitted. End loads are limited to a maximum eccentricity of either 1/6 column width or depth, whichever is worse.

	*									Laminat	ion Net	Width =	7 in.								
Effective Column Length	Net D	epth = 7 lams)	' in. (6	Net De	pth = 8-1 lams)	/4 in. (6	Net De	oth = 8-3 lams)	3/8 in. (7	Net De	oth = 9-1 lams)	/4 in. (7	Net De	oth = 9-1 lams)	/2 in. (7	Net De	oth = 11- lams)	1/4 in. (9	Net De	pth = 11- lams)	7/8 in. (9
Lengur	Load [Duration	Factor	Load [Duration	Factor	Load I	Duration	Factor	Load [Ouration	Factor	Load [Duration	Factor	Load	Duration	Factor	Load	Duration	Factor
(ft)	1.00	1.15	1.25	1.00	1.15	1.25	1.00	1.15	1.25	1.00	1.15	1.25	1.00	1.15	1.25	1.00	1.15	1.25	1.00	1.15	1.25
8																	103,830				116,450
9	50,300	56,250	59,450	62,980	70,740	74,970	64,230	72,090	76,100	71,270	79,620	84,050	73,200	81,770	86,320	86,680	96,830	102,230	91,500	102,210	107,910
10	46,940	52,150	54,770	59,170	65,630	68,830	60,060	66,630	69,870	66,340	73,590	77,170	68,130	75,580	79,250	80,680	89,500	93,850	85,160	94,470	99,070
																		85,590	78,680	86,680	90,340
12	40,120	44,030	45,750	50,220	55,010	57,040	50,980	55,840	57,910	56,310	61,680	63,960	57,830	63,340	65,690	68,480	75,010	77,790	72,290	79,180	82,110
13	36,890	40,300	41,710	46,010	50,160	51,810	46,710	50,920	52,600	51,590	56,240	58,090	52,980	57,760	59,660	62,740	68,400	70,650	66,230	72,200	74,580
14	33,890	36,890	38,060	42,130	45,760	47,120	42,760	46,450	47,830	47,230	51,300	52,830	48,510	52,690	54,260	57,440	62,400	64,250	60,640	65,860	67,820
15	31,150	33,810	34,800	38,600	41,800	42,940	39,190	42,440	43,590	43,280	46,870	48,150	44,450	48,140	49,450	52,640	57,010	58,560	55,560	60,170	61,810
16	28,680	31,050	31,880	35,430	38,280	39,240	35,970	38,860	39,830	39,730	42,920	43,990	40,800	44,080	45,180	48,310	52,200	53,510	51,000	55,100	56,480
17	26,450	28,570	29,290	32,590	35,140	35,950	33,080	35,670	36,500	36,540	39,400	40,310	37,530	40,460	41,400	44,440	47,910	49,030	46,910	50,570	51,750
18	24,450	26,360	26,980	30,040	32,340	33,040	30,500	32,830	33,540	33,690	36,260	37,040	34,600	37,240	38,050	40,970	44,100	45,050	43,250	46,540	47,560
	22,640	24,370	24,910	27,770	29,840	30,450	28,190	30,290	30,910	31,130	33,450	34,140	31,970	34,360	35,060	37,860	40,690	41,520	39,960	42,950	43,830
20	21,020	22,590	23,060	25,720	27,600	28,130	26,110	28,020	28,560	28,840	30,950	31,540	29,620	31,790	32,400	35,070	37,640	38,360	37,020	39,730	40,500
21	19,550	20,990	21,400	23,880	25,600	26,070	24,240	25,990	26,460	26,780	28,700	29,220	27,500	29,480	30,010	32,570	34,910	35,540	34,370	36,850	37,520
22																	32,450			34,250	
23																	30,240				32,440
24	15,930	17,050	17,340	19,370	20,710	21,030	19,670	21,020	21,350	21,720	23,220	23,580	22,310	23,840	24,220	26,420	28,230	28,680	27,880	29,800	30,270
25	14,940	15,980	16,230	18,140	19,370	19,660	18,420	19,670	19,960	20,340	21,720	22,050	20,890	22,310	22,640	24,740	26,420	26,810	26,110	27,890	28,300
26																	24,770		24,500	26,150	26,520
27																	23,270			24,560	
28																	21,900				23,420
29	11,740	12,520	12,690	14,210	15,130	15,330	14,420	15,360	15,560	15,930	16,970	17,180	16,360	17,430	17,650	19,370	20,640	20,900	20,450	21,780	22,060

Notes:

- 1. The tabulated allowable loads apply only to one-piece glulam members made with all N1D14 laminations (Combination 50) without special tension laminations
- Applicable service conditions = dry
- 2. Applicable service Continues Gry
 3. The tabulated allowable loads are based on simply axially loaded columns subjected to a maximum eccentricity of either 1/6 column width or 1/6 column depth, whichever is worse.
 For side loads, other eccentric end loads, or other combined axial and flexural loads, see 2015 NDS
- 4. The column is assumed to be unbraced, except at the column ends, and the effective column length is equal to the actual column length.

Design properties for normal load duration and dry-use service conditions

Compression parallel to grain (F_c) = 2,300 psi for 4 or more lams, or 1,700 psi for 2 or 3 lams.

Modulus of elasticity (E) = 1.9 x 106 psi

Flexural stress when loaded parallel to wide faces of lamination (F_{by}) = 2,300 psi for 4 or more lams, or 2,100 psi for 3 lams.

Flexural stress when loaded perpendicular to wide faces of lamination (F_{bx}) = 2,100 psi for 2 lams to 15 in. deep without special tension laminations.

Volume factor for F_{DX} is in accordance with 2015 NDS. Size factor for F_{DY} is $(12/d)^{1/9}$, where d is equal to the lamination width in inches

Allowable Axial Loads (Pounds) for Combination No. 50 Glulam Column (WET USE)

Side loads are not permitted. End loads are limited to a maximum eccentricity of either 1/6 column width or depth, whichever is worse.

F# 1:				6177			b		L	aminatio	n Net W	dth = 7i	in.								
Effective Column Length	Net D	epth = 7 lams)	in. (6	Net Dep	oth = 8-1 lams)	/4 in. (6	Net De	oth = 8-3 lams)	/8 in. (7	Net De	oth = 9-1 lams)	/4 in. (7	Net Dep	oth = 9-1 lams)	/2 in. (7		pth = 11 (9 lams)		1 1 2 2 4 C 1 3 S	epth = 11 (9 lams)	
Lengui	Load [Duration	Factor	Load [Ouration	Factor	Load [Duration	Factor	Load [Duration	Factor	Load [Duration	Factor	Load [Duration	Factor	Load [Duration	Factor
(ft)	1.00	1.15	1.25	1.00	1.15	1.25	1.00	1.15	1.25	1.00	1.15	1.25	1.00	1.15	1.25	1.00	1.15	1.25	1.00	1.15	1.25
8																					91,480
9																				80,750	
10																				75,290	
11																				69,660	
12																				64,060	
13																				58,710	
14																				53,750	
15																				49,230	
16																				45,170	
17																				41,530	
18																				38,260	
19																				35,340	
20																				32,720	
21																				30,370	
22																				28,250	
23																				26,340	
24																				24,610	
25																				23,040	
26																				21,610	
27																				20,300	
28																				19,110	
29	9,700	10,350	10,500	11,750	12,520	12,680	11,930	12,710	12,870	13,170	14,040	14,220	13,530	14,420	14,600	16,020	17,070	17,290	16,910	18,020	18,260

- 1. The tabulated allowable loads apply only to one-piece glulam members made with all N1D14 laminations (Combination 50) without special tension laminations.
- 2. Applicable service conditions = wet

 3. The tabulated allowable loads are based on simply axially loaded columns subjected to a maximum eccentricity of either 1/6 column width or 1/6 column depth, whichever is worse. For side loads, other eccentric end loads, or other combined axial and flexural loads, see 2015 NDS
- 4. The column is assumed to be unbraced, except at the column ends, and the effective column length is equal to the actual column length.
- 5. Design properties for normal load duration and wet-use service conditions:

Compression parallel to grain (F_o) = 2,300 x 0.73 psi for 4 or more lams, or 1,700 x 0.73 psi for 2 or 3 lams.

Modulus of elasticity (E) = 1.9 x 0.833 x 10⁶ psi

Flexural stress when loaded parallel to wide faces of lamination (F_{bx}) = 2,300 x 0.8 psi for 4 or more lams, or 2,100 x 0.8 psi for 3 lams. Flexural stress when loaded perpendicular to wide faces of lamination (F_{bx}) = 2,100 x 0.8 psi for 2 lams to 15 in. deep without special tension laminations. Volume factor for F_{bx} is in accordance with 2015 NDS. Size factor for F_{by} is (12/d)^{1/9}, where d is equal to the lamination width in inches.



INSTALLATION AND STORAGE REQUIREMENTS AND USE MEASURES APPLICABLE TO ALL BOOZER PRODUCTS.

(Updated January 18, 2019)

Specific use, storage and installation requirements and instructions applicable to all Boozer products, including but not limited to Boozer Glued Laminated Timber Beams, Treated Beams, Columns, Joists, and Headers (the "Product") may be found at http://boozer-beam.com/products/. The following precautions should be taken both when handling any BoozerBeam™ Product and in determining where to use and dispose of the Product. These requirements and instructions are provided as part of and incorporated by reference into Boozer's Limited Warranty.

- The Product should not be exposed to the elements (sun, rain, snow, water, moisture, excessive heat, excessive cold, etc.), other than very short periods prior to installation.
- The Product should not be used in direct water or marine applications, below grade, or in applications in which the Product is in direct contact with the soil. Columns may be installed on concrete if a installed onto a metal plate that separates the columns from the concrete.
- The Product should not be used where it will be in frequent or prolonged contact with bare skin, unless an effective sealer has been applied.
- The Product is not suitable for food garden uses.
- All shipping containers, plastic, or other wrapping applied during shipment should be removed from the Product prior to installation.
- Do not use the Product for cutting-boards or countertops.
- For all interior applications, the purchaser is responsible for ensuring that the installation of a treated product complies with all applicable indoor air quality standards (IAQs) as prescribed by the federal or applicable state or local regulatory authority.
- Dispose of the Product by ordinary trash collection or burial. Treated wood should not be burned in open fires or in stoves, fireplaces, or residential boilers because toxic chemicals may be produced as part of the smoke and ashes. Treated wood from commercial or industrial use (e.g., construction sites) may be burned only in commercial or industrial incinerators or boilers in accordance with state and federal regulations.
- Avoid frequent or prolonged inhalation of sawdust from the Product. When sawing and machining treated wood, wear a dust mask.
 Whenever possible, these operations should be performed outdoors to avoid indoor accumulations of airborne sawdust from treated wood.
- When power sawing and machining, wear goggles to protect eyes from flying particles.
- After working with the Product, and before eating, drinking, and use of tobacco products, wash all exposed skin areas thoroughly and completely.
- If oily preservatives or Product sawdust accumulate on clothes, launder before reuse of the clothes. Work clothes exposed to the Product or its sawdust or preservatives should be washed separately from other clothing.
- While in storage, the Product should be kept dry and under cover and not be exposed to standing water or marine conditions.
- It is the purchaser and intended user of the Product's sole responsibility to install the Product correctly and to select the proper-sized Product for its/his/her intended use.
- When storing a Product for any extended amount of time, the Product should be stored on its down-side, with gravity acting on the Product as it would in its eventual installation.
- All Products should be installed with the standard, as-designed orientation (e.g., for Beams, with the narrow side down). For Products with a specific or designated orientation instruction (which should appear on the Product), that instruction should be strictly followed.



LIMITED WARRANTY

(Revised as of January 18, 2019)

- 1. LIMITED WARRANTY COVERAGE: Boozer Laminated Beam Company, Inc. ("Boozer") warrants (for installation within the U.S.) to the purchaser and all transferees prior to and including the first owner of the structure to which the Product (as hereafter defined) is properly installed (each a "Covered Person") that each Product sold by Boozer, including but not limited to Boozer Glued Laminated Timber Beams, Treated Beams, Columns, Joists, and Headers (the "Product"), when manufactured is free from defects in material and manufacture and, when used for its intended purpose and in accordance with Boozer's installation and use requirements, will perform in accordance with the published Product specifications. This Limited Warranty only covers defects and failures of the Product that result in structural failure of the Product. If the Product is defective in material or manufacture (when used for its intended purpose and in accordance with Boozer's installation and use requirements), Boozer will replace the Product with a non-defective Product (or equivalent product, if the Product is no longer available) at no charge. Boozer's replacement of the defective Product pursuant to this Section 1 of this Limited Warranty SHALL BE THE SOLE AND EXCLUSIVE REMEDY available to the Covered Person with respect to defects in material or manufacture or any performance of the Product that is not in accordance with relevant specifications. Boozer will not refund or pay any costs in connection with labor or accessory materials or for any other damages regardless of whether caused by the Product or otherwise.
- 2. CONDITIONS OF WARRANTY: Boozer's liability hereunder to the Covered Person shall be subject to the following terms and conditions:
- (a) The claimant must provide reasonable proof that he/she is a Covered Person.
- (b) The Product must be properly stored and installed in accordance with Boozer's installation, storage and use requirements (available at: http://boozerbeam.com/products/) and all applicable building codes, rules, and ordinances ("Applicable Building Rules") adopted by federal, state or local governments or government agencies and applicable to the installation. Failure to install the Product in accordance with Boozer's installation requirements and all Applicable Building Rules voids this Limited Warranty.
- (c) The Covered Person must provide written notice of any claim under this Limited Warranty to Boozer within 45 days after discovery of any claimed Product failure covered by this Limited Warranty and before beginning any permanent repair. The notice must describe the location of the Product, details of the failure, and provide all information necessary for Boozer to investigate the claim. Photos of the Product, showing defect or failure, should accompany the notice. Before any permanent repair, the Covered Person must allow Boozer or Boozer's agent to enter the property and structure where the Product is installed, and examine, photograph and take samples of the Product.
- (d) Upon discovery of a possible Product defect or failure, the Covered Person must immediately, and at the Covered Person's own expense, provide for protection of all property that could be affected until the problem or failure is remedied.
- (e) Only defects and failures that result in the structural failure of the Product are covered by this Limited Warranty
- 3. EXCLUSIONS: This Limited Warranty does not cover loss, damage or defects resulting from or in any way attributable to: (a) any Product failure due to any reason other than structural failure or defect in material and manufacture; (b) the improper storage, shipping, handling or installation of the Product (including, without limitation, failure of the Product to be installed in strict compliance with Boozer's installation, storage and use requirements and all Applicable Building Rules) or improper installation of other accessories; (c) repair or alteration of the Product; (d) settlement or structural movement or movement of materials to which the Product is attached; (e) damage from incorrect or improper design of the structure; (f) exceeding any applicable maximum designed weight or wind loads; (g) acts of God including, but not limited to, hurricanes, tornados, floods, earthquakes, extreme weather or other natural phenomena, (including, but not limited to, unusual climate conditions); (h) performance of any paints or coatings; (i) lack of proper maintenance:
 - (j) damage during the construction process; (k) damage caused by the weathering of the Product including, but not limited to including but not limited to, raised grain, splitting, checking, twisting, warping, shrinkage, swelling; or de-lamination; (I) damage caused by the use of inappropriate fasteners; (m) any Product failure or damage due to water or marine applications; (n) discoloration or minor cosmetic defects; (o) failure due to moisture or exposure to elements; (p) wet use applications or any application in which the Product is enclosed and moisture cannot naturally evaporate from the Product; (q) any application in which the Product is in direct contact with the ground (except, in the case of Treated Columns, when the column is mounted on a metal plate on a concrete slab,

in accordance with Boozer's general and specific installation requirements and Applicable Building Rules); (r) failures or defects if the Product is subjected to further processing or alteration after shipment; (s) damage due to fungal decay of or termite attack (any such warranty on a Treated Product will be provided, if at all, by a third-party applicator as provided in Paragraph 4, below); (t) any unapproved pressure or topical treatment; or (u) any other neglect, abuse, or misuse by the Covered Person or a third party. In addition, only defects and failures of the Product that result in the structural failure of the Product are covered by this Limited Warranty.

- 4. TREATED PRODUCTS ONLY: To the extent a Covered Person has purchased or possesses a Boozer Product that has been treated with a chemical designed to deter or prevent insect damage or fungal growth on the Product (a "Treated Product"), Boozer assigns to such Covered Person any and all warranties applicable to the Treated Product, if any, against fungal damage or insect attack provided to Boozer from the manufacturers and applicators of such product.
- 5. <u>DISCLAIMER</u>: The statements in this Limited Warranty constitute the only warranty extended by Boozer for the Product. BOOZER DISCLAIMS ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING ANY IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, EXCEPT AS PROVIDED BY APPLICABLE STATE LAW IN WHICH CASE THE DURATION OF ANY APPLICABLE IMPLIED WARRANTIES ARE LIMITED TO THE FULLEST EXTENT ALLOWED BY APPLICABLE LAW. NO OTHER WARRANTY IS OR WILL BE MADE BY OR ON BEHALF OF THE MANUFACTURER OR THE SELLER OR BY OPERATION OF LAW OR BY USAGE OF TRADE OR COURSE OF DEALING WITH RESPECT TO THE PRODUCT OR ITS INSTALLATION, STORAGE, HANDLING, MAINTENANCE, USE, REPLACEMENT OR REPAIR.
- 6. EXCLUSION OF INCIDENTAL AND CONSEQUENTIAL DAMAGES: EXCEPT AS EXPRESSLY OVERRIDDEN BY APPLICABLE LAW, IN NO EVENT WILL BOOZER BE LIABLE FOR ANY INCIDENTAL, SPECIAL, INDIRECT, OR CONSEQUENTIAL DAMAGES, WHETHER RESULTING FROM NONDELIVERY OR FROM THE USE, MISUSE, OR INABILITY TO USE THE PRODUCT OR FROM DEFECTS IN THE PRODUCT.
- 7. <u>SETTLEMENT OF CLAIM</u>: Any warranty payment or material replacement by Boozer pursuant to Section 1 hereof shall constitute a full settlement and release of all claims of any Covered Person or their successors and assigns hereunder for damages or other relief, and shall be a complete bar to any litigation arising out of this warranty or the Covered Person's purchase or use of the Product filed subsequent to the Covered Person's acceptance of such compensation.