



STRUCTURE
PROTM LVL



Compliance with
the following codes:

- 2009 IBC
- 2009 IRC
- 2006 IBC
- 2006 IRC



Our Company

Our total focus on the engineered wood products business is what distinguishes us. At Eastern Engineered Wood Products we take pride in providing our customers with premium quality products and industry-leading services. Our StructurePRO LVL™ is manufactured to provide consistent, high performance floor and roof systems.



About LVL

Providing the superior performance and durability of engineered wood, StructurePRO LVL is perfectly suited to spans bearing heavy loads and multi-span applications. The normal problems associated with wide lumber sizes – like decreased dimensional stability and uniformity – do not apply to our LVL, which utilizes ultrasonically tested and graded Douglas Fir veneer.

Engineered for Quality

Checking is minimized because StructurePRO LVL is cured in a controlled process in which waterproof adhesives boost stability and reduce warps and twists. All products are machine-ripped to generate uniform size and rigid, flat surfaces with inherently superior nail-holding characteristics.

We are confident that our products will provide our customers with consistent high performance when handled and installed in accordance with our installation guide.

Tested for strength and engineered for quality, StructurePRO LVL represents our ongoing commitment to unsurpassed performance and service.

StructurePRO LVL is third-party tested by APA-The Engineered Wood Association, a leading quality assurance organization.

General notes for this product guide:

1. All tables assume dry conditions. Calculations are based on NDS and IBC and ICC-ESR#2913.
2. Lateral support of the compression edge of all beams must be provided at 24" on center.
3. Application tables include live load reductions applied in accordance with 2006 IBC.
4. Tables apply to Dead, Floor Live, Roof Live and Snow loads. Lateral loads must be considered by the building designer.
5. This design manual is intended to be used for preliminary design purposes; a complete structural analysis should be performed by a design professional.
6. Beams that are 1³/₄" x 16" and deeper require multiple plies.

StructurePRO LVL Design Properties

Allowable Design Properties – 1 3/4"

Depth	Max. Vertical Shear (lbs)			Max. Bending Moment (ft-lbs)			EI (x 10 ⁶ lbs-in)	Weight (plf)
	100%	115%	125%	100%	115%	125%		
9 1/4	3130	3599	3912	6756	7770	8445	231	4.22
9 1/2	3214	3696	4018	7092	8156	8865	250	4.33
11 1/4	3806	4377	4758	9648	11095	12059	415	5.13
11 7/8	4018	4620	5022	10645	12242	13306	488	5.41
14	4737	5447	5921	14364	16519	17955	800	6.38
16	5413	6225	6767	18315	21063	22894	1195	7.29
18	6090	7004	7613	22694	26098	28368	1701	8.19
24	8120	9338	10150	38309	44056	47877	4032	10.94

Allowable Design Properties – 3 1/2"

Depth	Max. Vertical Shear (lbs)			Max. Bending Moment (ft-lbs)			EI (x 10 ⁶ lbs-in)	Weight (plf)
	100%	115%	125%	100%	115%	125%		
9 1/4	6259	7198	7824	13512	15539	16890	462	8.43
9 1/2	6428	7393	8035	14184	16312	17730	500	8.66
11 1/4	7613	8754	9516	19295	22189	24119	831	10.25
11 7/8	8035	9241	10044	21290	24484	26613	977	10.82
14	9473	10894	11842	28728	33037	35910	1601	12.76
16	10827	12451	13533	36631	42126	45789	2389	14.58
18	12180	14007	15225	45388	52197	56736	3402	16.41
24	16240	18676	20300	76618	88112	95774	8064	21.87

2.0E LVL Allowable Design Stresses

Bending $F_b = 3100$ psi*

Horizontal Shear $F_v = 290$ psi

Modulus of Elasticity $E = 2.0$

Compression Perpendicular to Grain $F_c = 750$ psi

Compression Parallel to Grain $f_c = 3,200$ psi

*Adjust F_b value by a factor of $(12/d)^{0.18}$ where $d =$ depth.

Bearing Length and Maximum Reaction (lbs)

Width (in) ¹	Bearing Length																					
	1 1/2"	2"	2 1/2"	3"	3 1/2"	4"	4 1/2"	5"	5 1/2"	6"	6 1/2"	7"	7 1/2"	8"	8 1/2"	9"	9 1/2"	10"	10 1/2"	11"	11 1/2"	12"
1 3/4"	1969	2625	3281	3938	4594	5250	5906	6563	7219	7875	8531	9188	9844	10500	11156	11813	12469	13125	13781	14438	15094	15750
3 1/2"	3938	5250	6563	7875	9188	10500	11813	13125	14438	15750	17063	18375	19688	21000	22313	23625	24938	26250	27563	28875	30188	31500
5 1/4"	5906	7875	9844	11813	13781	15750	17719	19688	21656	23625	25594	27563	29531	31500	33469	35438	37406	39375	41344	43313	45281	47250
7"	7875	10500	13125	15750	18375	21000	23625	26250	28875	31500	34125	36750	39375	42000	44625	47250	49875	52500	55125	57750	60375	63000

Notes:

1. Use any combination of 1 3/4" and 3 1/2" members using proper nailing or bolting guidelines.
2. Minimum bearing length is 1 1/2". Bearing across the full width of the beam is required.
3. Reported bearing length is based on 750 psi compression perpendicular to grain stress of the LVL member.

Beams bearing on #2 and better, 2x plates must be increased by the following factor:

Spruce-Pine-Fir	1.76
Southern Yellow Pine	1.33
Douglas Fir	1.20

StructurePRO LVL

Allowable Uniform Loads - Floor 100%, 1³/₄"



Allowable Uniform Loads (plf) - 2.0E - Floor 100% - 1³/₄" Width

Span (ft)	9 ¹ / ₄ "			9 ¹ / ₂ "			11 ¹ / ₄ "			11 ⁷ / ₈ "		
	Live Load		Total Load L/240	Live Load		Total Load L/240	Live Load		Total Load L/240	Live Load		Total Load L/240
	L/480	L/360		L/480	L/360		L/480	L/360		L/480	L/360	
6'	1046	1046	1046	1082	1082	1082	1348	1348	1348	1449	1449	1449
8'	501	668	735	543	724	759	901	931	931	996	996	996
9'	352	469	640	381	508	660	633	806	806	744	861	861
10'	256	342	508	278	370	551	461	615	711	543	724	758
11'	193	257	381	209	278	413	347	462	632	408	544	677
12'	148	198	292	161	214	317	267	356	528	314	419	585
13'	117	156	229	126	169	248	210	280	414	247	329	488
14'	93	125	182	101	135	198	168	224	331	198	264	389
15'	71	97	147	77	105	160	131	177	268	161	214	316
16'	76	101	147	82	110	160	137	182	268	132	177	259
18'	63	83	121	68	90	131	113	150	220	93	124	180
20'	-	59	83	-	64	90	79	105	152	68	90	130
22'	-	-	-	-	-	-	58	77	110	51	68	96
24'	-	-	-	-	-	-	-	58	81	-	52	72
26'	-	-	-	-	-	-	-	-	-	-	-	-

Span (ft)	14"			16"			18"			24"		
	Live Load		Total Load L/240	Live Load		Total Load L/240	Live Load		Total Load L/240	Live Load		Total Load L/240
	L/480	L/360		L/480	L/360		L/480	L/360		L/480	L/360	
6'	1826	1826	1826	2232	2232	2232	2697	2697	2697	4628	4628	4628
8'	1229	1229	1229	1468	1468	1468	1731	1731	1731	2694	2694	2694
9'	1055	1055	1055	1253	1253	1253	1467	1467	1467	2228	2228	2228
10'	889	925	925	1093	1093	1093	1273	1273	1273	1898	1898	1898
11'	668	823	823	969	969	969	1124	1124	1124	1653	1653	1653
12'	515	686	741	768	870	870	1006	1006	1006	1464	1464	1464
13'	405	540	673	604	789	789	860	910	910	1313	1313	1313
14'	324	432	579	484	645	722	689	831	831	1191	1191	1191
15'	263	351	504	393	524	643	560	747	764	1089	1089	1089
16'	217	289	427	324	432	564	461	615	700	1003	1003	1003
18'	152	203	298	228	303	444	324	432	551	768	866	866
20'	111	148	215	166	221	324	236	315	445	560	747	754
22'	84	111	160	125	166	241	177	237	346	421	561	621
24'	64	86	122	96	128	184	137	182	264	324	432	520
26'	51	67	94	76	101	143	108	143	206	255	340	441
28'	-	54	74	60	81	113	86	115	163	204	272	379
30'	-	-	-	49	66	90	70	93	131	166	221	320
32'	-	-	-	-	54	73	58	77	106	137	182	261
34'	-	-	-	-	-	-	48	64	87	114	152	216

Notes:

1. Single 1³/₄" members are limited to 14" in depth. For multiple member applications, multiply the allowable uniform load by the corresponding number of plies in the built-up beam.
2. Table displays the maximum uniform load which may be applied to the member in addition to its own weight.
3. Total load deflection is limited to L/240.
4. Assumes the more restrictive of simple or continuous (2 span) condition.
5. Spans are measured from the center to center of bearing.
6. Depths of 16" and greater should be used with a minimum of two plies unless designed specifically as a single ply of 1³/₄" with proper lateral bracing spaced at 24" along the length of the beam. (Example: the marriage beam for each half of a manufactured home before units are joined.)
7. Table indicates LVL beams continuously laterally braced at the top edge by subfloor (for joist application) or at maximum 24" o.c. by framing fastened directly to the LVL or to single or double top plate nailed to the LVL.
8. Table is based on 1³/₄" width. Values may be multiplied by 2 for 3¹/₂" width, 3 for 5¹/₄", and 4 for 7".

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Allowable Uniform Loads - Roof 115%, 1 3/4"

Allowable Uniform Loads (plf) - 2.0E - Roof 115% - 1 3/4" Width

Span (ft)	9 1/4"				9 1/2"				11 1/4"				11 7/8"			
	Snow 115%		Non-Snow 125%		Snow 115%		Non-Snow 125%		Snow 115%		Non-Snow 125%		Snow 115%		Non-Snow 125%	
	Live	Total	Live	Total	Live	Total	Live	Total	Live	Total	Live	Total	Live	Total	Live	Total
	L/240	L/180	L/240	L/180	L/240	L/180	L/240	L/180	L/240	L/180	L/240	L/180	L/240	L/180	L/240	L/180
6'	1203	1203	1308	1308	1245	1245	1353	1353	1551	1551	1686	1686	1668	1668	1813	1813
8'	846	846	920	920	873	873	950	950	1072	1072	1165	1165	1146	1146	1246	1246
9'	704	737	704	801	757	760	762	826	928	928	1009	1009	991	991	1077	1077
10'	513	617	513	671	556	648	556	704	818	818	890	890	872	872	949	949
11'	385	509	385	509	418	534	418	552	693	728	693	792	779	779	815	847
12'	297	391	297	391	322	424	322	424	534	611	534	664	628	674	628	733
13'	233	307	233	307	253	332	253	332	420	519	420	554	494	573	494	624
14'	187	245	187	245	203	265	203	265	336	443	336	443	396	494	396	521
15'	152	198	152	198	165	215	165	215	273	359	273	359	322	423	322	423
16'	125	162	125	162	136	176	136	176	225	295	225	295	265	347	265	347
18'	88	113	88	113	95	122	95	122	158	205	158	205	186	242	186	242
20'	64	81	64	81	69	88	69	88	115	148	115	148	136	175	136	175
22'	-	-	-	-	52	65	52	65	87	110	87	110	102	130	102	130
24'	-	-	-	-	-	-	-	-	67	83	67	83	79	99	79	99
26'	-	-	-	-	-	-	-	-	53	64	53	64	62	76	62	76
28'	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Span (ft)	14 "				16 "				18 "				24 "			
	Snow 115%		Non-Snow 125%		Snow 115%		Non-Snow 125%		Snow 115%		Non-Snow 125%		Snow 115%		Non-Snow 125%	
	Live	Total	Live	Total	Live	Total	Live	Total	Live	Total	Live	Total	Live	Total	Live	Total
	L/240	L/180	L/240	L/180	L/240	L/180	L/240	L/180	L/240	L/180	L/240	L/180	L/240	L/180	L/240	L/180
6'	2101	2101	2285	2285	2568	2568	2792	2792	3103	3103	3374	3374	5324	5324	5788	5788
8'	1414	1414	1537	1537	1690	1690	1837	1837	1992	1992	2166	2166	3100	3100	3371	3371
9'	1215	1215	1321	1321	1442	1442	1569	1569	1689	1689	1836	1836	2564	2564	2788	2788
10'	1064	1064	1158	1158	1258	1258	1368	1368	1465	1465	1593	1593	2185	2185	2376	2376
11'	947	947	1030	1030	1115	1115	1213	1213	1294	1294	1407	1407	1903	1903	2070	2070
12'	853	853	928	928	1001	1001	1089	1089	1158	1158	1260	1260	1686	1686	1833	1833
13'	775	775	810	843	908	908	988	988	1048	1048	1140	1140	1512	1512	1645	1645
14'	648	667	648	726	831	831	904	904	957	957	1041	1041	1371	1371	1491	1491
15'	527	580	527	631	741	741	787	806	880	880	957	957	1254	1254	1364	1364
16'	434	509	434	554	648	650	648	707	806	806	877	877	1155	1155	1257	1257
18'	305	399	305	399	455	512	455	557	635	635	648	691	997	997	1085	1085
20'	222	289	222	289	332	413	332	434	473	513	473	558	869	869	945	945
22'	167	216	167	216	249	324	249	324	355	422	355	460	716	716	779	779
24'	129	164	129	164	192	248	192	248	273	353	273	355	600	600	648	653
26'	101	128	101	128	151	193	151	193	215	278	215	278	498	509	510	554
28'	81	101	81	101	121	153	121	153	172	220	172	220	408	437	408	476
30'	66	81	66	81	98	123	98	123	140	177	140	177	332	379	332	413
32'	54	65	54	65	81	100	81	100	115	145	115	145	273	332	273	352
34'	-	-	-	-	68	82	68	82	96	119	96	119	228	292	228	292

Notes:

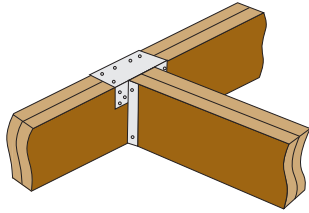
1. Single 1 3/4" members are limited to 14" in depth. For multiple member applications, multiply the allowable uniform load by the corresponding number of plies in the built-up beam.
2. Table displays the maximum uniform load which may be applied to the member in addition to its own weight.
3. Assumes the more restrictive of simple or continuous (2 span) condition.
4. Spans are measured from the center to center of bearing.
5. Depths of 16" and greater should be used with a minimum of two plies unless designed specifically as a single ply of 1 3/4" with proper lateral bracing spaced at 24" along the length of the beam. (Example: the marriage beam for each half of a manufactured home before units are joined.)
6. Table indicates LVL beams continuously laterally braced at the top edge by subfloor (for joist application) or at maximum 24" o.c. by framing fastened directly to the LVL or to single or double top plate nailed to the LVL.
7. Table is based on 1 3/4" width. Values may be multiplied by 2 for 3 1/2" width, 3 for 5 1/4", and 4 for 7".

StructurePRO LVL Installation Instructions



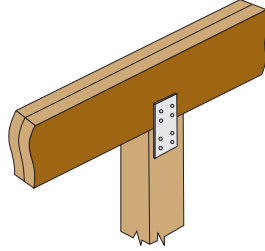
Connection Details

Beam-to-Beam Connection



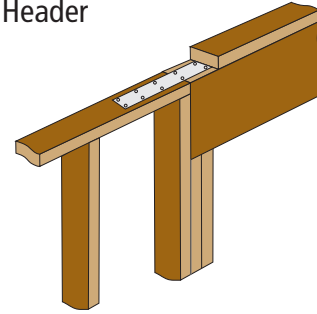
Install hanger per manufacturer's instructions. Hanger must distribute load to each ply of the assembly. Contact Eastern Engineered Wood Products technical support with questions.

Bearing on Wood Column



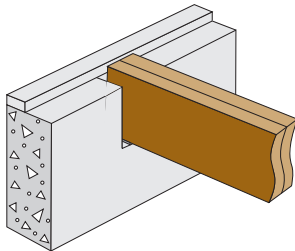
Install column cap per manufacturer's instructions; verify cap and column capacity.

Bearing for Door or Window Header



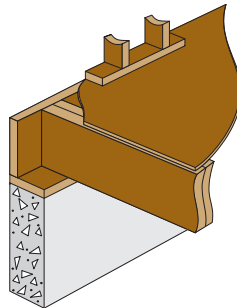
Strap per building code if top plate is not continuous over header.

Beam Pocket in Masonry Wall



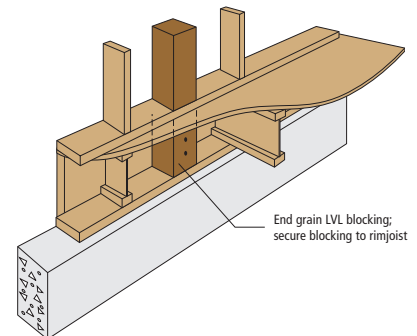
Protect LVL from moisture with a vapor barrier and airspace. LVL should not directly contact concrete.

Bearing on Exterior Wall



LVL should not directly contact concrete.

Solid Blocking at Post



Provide a continuous load path to concrete.

Minimum Nail Spacing

for nails installed parallel to the glue line

Nail Size	Single Row	Multiple Rows ¹
8d Common (2 1/2")	3"	4"
10d Common (3")	4"	5"
12d Common (3 1/4")	4"	5"
16d Common (3 1/2")	5"	6" ²

1. Offset multiple rows 1/2" and stagger nails on equal-equal layout.
2. Minimum nail spacing may be reduced to 5" for 1 3/4" wide members.
3. Nail penetration shall not exceed 2 1/2" for 10d and 12d nor 2" for 16d.

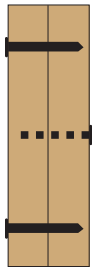
StructurePRO LVL Installation Instructions

Multiple Piece Assembly & Side Load Capacity

When assembling more than one LVL ply into a single load-bearing beam, follow the appropriate guidelines:

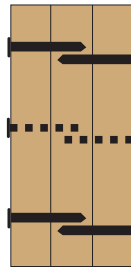
Detail A

Maximum
3 1/2" wide
2-ply beams



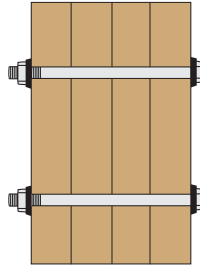
Detail B

Maximum
5 1/4" wide
3-ply beams



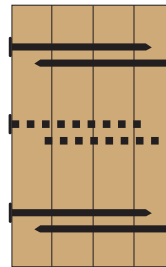
Detail C

Maximum
7" wide
4-ply beam



Detail D

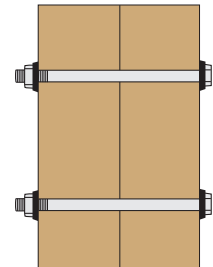
Maximum
7" wide
4-ply beam



Simpson SDS
1/4" x 6" screws
(or equal)

Detail E

Maximum
7" wide
2-ply beam



3 1/2" 3 1/2"

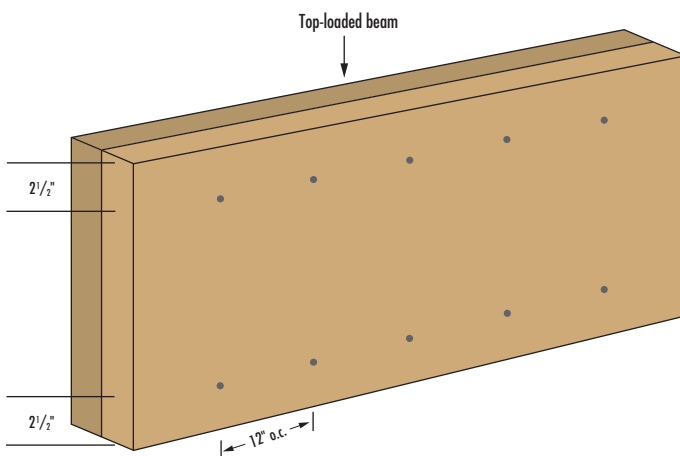
Uniform Side-load Capacity (lbs)

Connection Detail	2 Rows of 10d Box Nails at 12" oc	3 Rows of Nails 10d Box Nails at 12" oc	2 Rows of 1/2" dia. Bolts at 24" oc	2 Rows of 1/2" dia. Bolts at 12" oc
A	365	545	500	1000
B	270	410	375	750
C	-	-	335	670
D	Refer to Simpson Strong-Tie catalog for SDS capacities			
E	-	-	855	1715

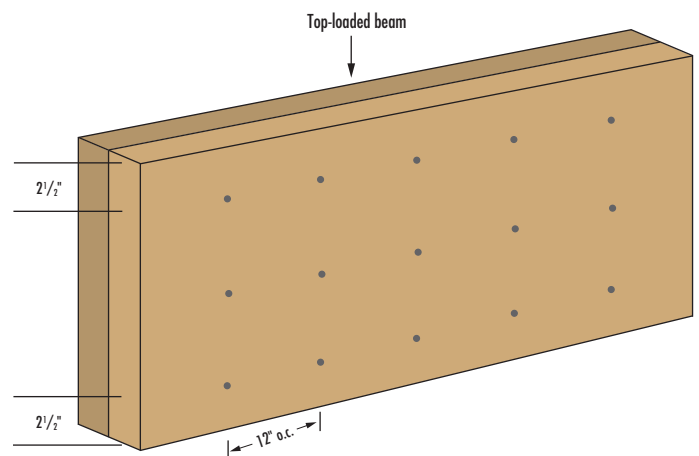
Notes:

1. Design values based on 2005 NDS and PR-L283 APA and ICC-ES ESR-2913 Product Report.
2. Dry conditions of use.
3. Design values may be increased for load duration; see 2005 NDS.
4. Verify load capacity of framing member in addition to connection design.
5. Use minimum two rows of fasteners for up to 11 7/8" LVL beam depth and minimum three rows of fasteners for 14" to 24" LVL beam depths.

Connection of Multiple Pieces for Top-loaded Beams



Minimum of 2 rows of 16d (3 1/2") nails at 12" o.c. for 9 1/2" through 11 7/8" beams.



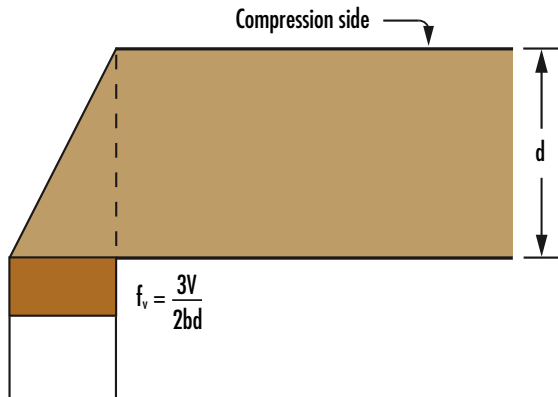
Minimum of 3 rows of 16d (3 1/2") nails at 12" o.c. for 14" through 24" beams.

StructurePRO LVL Installation Instructions

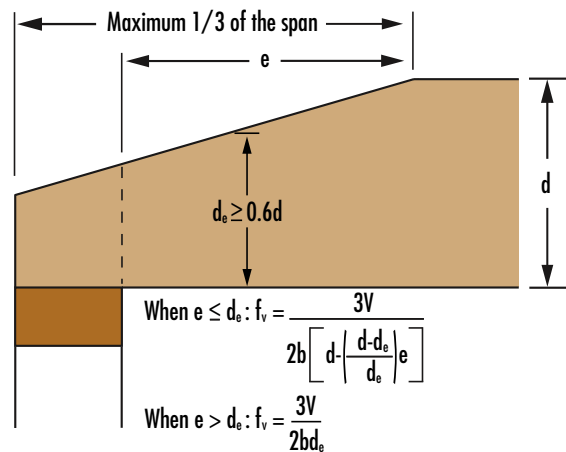
Notching Details

Shear Design Equations for Notched and Tapered LVL Beams

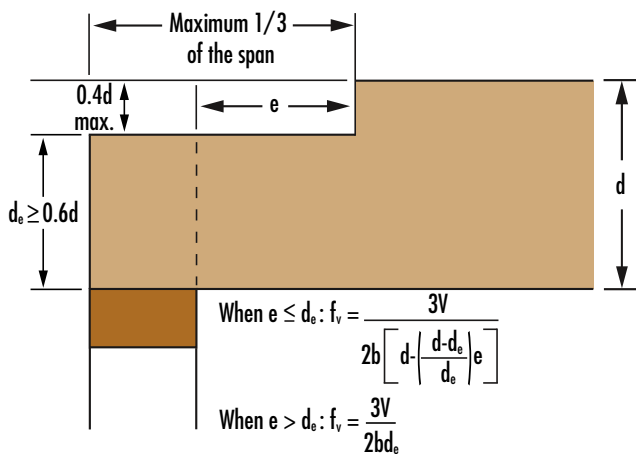
Slope Bearing End



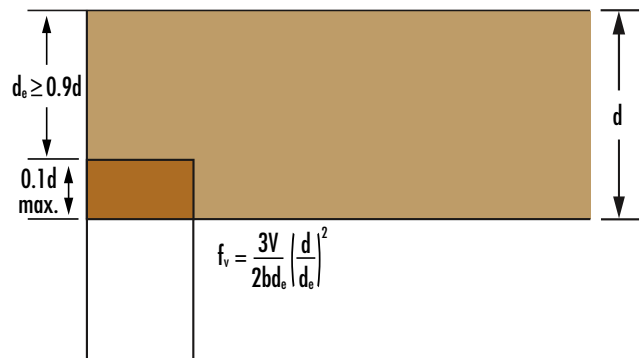
Sloped End Cut for Roof Drainage



Compression-side Notch



Tension-side Notch



f_v = shear stress (psi)
 d = depth of beam (in.)

V = shear force at notch (lbf)
 d_e = effective depth as shown (in.)

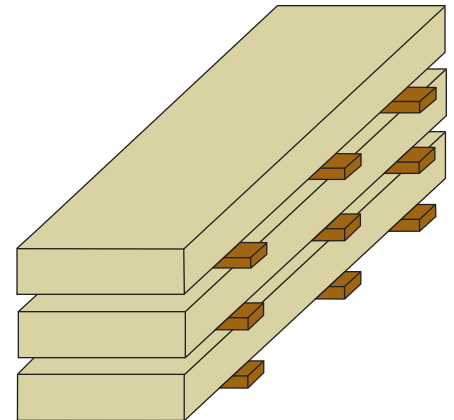
b = width of beam (in.)
 e = length of notch as shown (in.)

StructurePRO LVL Handling Instructions and Sizing Software



Handling and Storage Guidelines

- LVL should be protected from the weather and stored lying flat.
- Product must not be stored in contact with the ground.
- Store LVL in wrapped bundles, provide air circulation and support bundles with 2x4 stickers.
- Protect from the weather on the job site both before and after installation. LVL is intended for use in covered, dry conditions only.
- Except as described in this product guide, LVL should not be cut, drilled or notched.
- Do not install wet or visually damaged product.

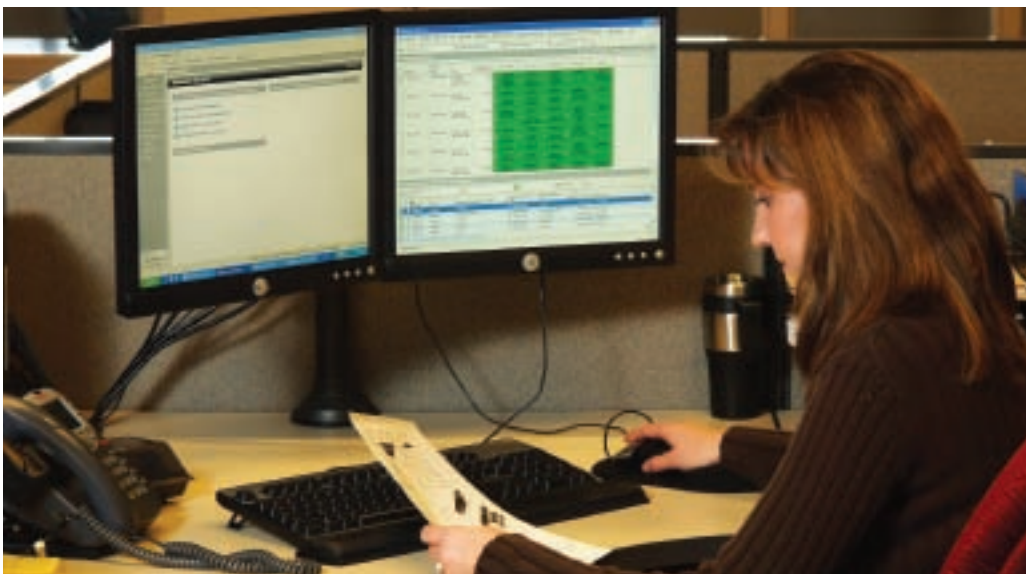


Clear Sealer

All StructurePRO LVL is fully sealed with a factory applied industry-leading premium grade sealer. The sealer repels water absorption and improves durability during typical distribution yard and jobsite storage conditions. Once a factory sealed LVL product is cut, a coat of water repellent sealer should be applied to the freshly cut end to prevent moisture from entering the cut end.

Sizing Software

To better assist engineers, designers and specifiers, Eastern Engineered Wood Products has partnered with Keymark of Boulder Colorado, an industry leader in design software to provide KeyBeam®. This single member sizing program recognizes all the United States building codes and offers printable design calculations and beam capabilities. The software user can specify simple span applications, point loads, cantilevers and many more common applications. Please contact Eastern Engineered Wood Products Sales to learn more about receiving a complimentary copy of KeyBeam Software.



StructurePRO LVL Technical Notes and Certifications

FSC® Certification

Eastern Engineered Wood Products has achieved Forestry Stewardship Council™ Chain of Custody Certification. This certification ensures that Eastern's customers have a verifiable connection between their companies and certified manufacturers who adhere to the requirements of the FSC certification program. StructurePRO LVL products are available with this chain of custody certification. Builders who utilize products manufactured from forests certified by FSC, with an intact chain of custody, can qualify for points in the US Green Building Council's LEED system, which is a third-party certification program and benchmark for the design, construction, and operation of high-performance green buildings.



1245 Easton Road
Bethlehem, PA 18105
800-700-4788

Technical Bulletin (TB-LVL-2)
Subject: StructurePRO LVL™ Fastening with TrussLok Screws
August 2010

StructurePRO LVL™ (laminated veneer lumber) typically comes in 1 3/8" thicknesses (although 3/8" thickness is also available). Each 1 3/8" LVL is referred to as a ply. Thus, two 1 3/8" LVLs is considered a two-ply assembly. When greater than 1 3/8" thickness is required for strength, it is necessary to fasten the multiple LVL plies together to act as a single unit. Up to four LVL plies can be fastened together. Several combinations of nailed and

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Some proprietary screws have been designed specifically for LVL multi-ply fastening. TrussLok screws, manufactured by FastenMaster, are one such fastener. The advantage over bolted fastening is that TrussLok screws are self-driving (no pre-drilling required) and can be installed from only one face of a multi-ply LVL. The screws also help draw the LVL plies together. For this reason, they are sometimes preferred even in assemblies where nailed fastening is permitted.

The following table, with notes and illustrations, can be used as a design aid for fastening StructurePRO LVL with TrussLok screws. The table is for side-applied loads, but as indicated in footnote 1, if the LVL is top-loaded and the load is shared equally by all LVL plies, the minimum specified fastening schedule may be used. An example of such a top-loaded condition is I-joints continuous over an interior multi-ply LVL beam.

Multi-Ply LVL Attachment (U.S. ASD)
Allowable Side-Loaded Uniform Load (PLF)
Fastened with TrussLok screws (installed from one face only)
StructurePRO 2.0E - 3100Fb LVL (1.75" THICK EACH PLY) SG=0.50

TrussLok Screw Size	Rows Spacing	2	3	4	2	3	4	Applied loading
		24	24	24	12	12	12	
EW5338-F3.3	2 - PLYS	516	774	1032	1032	1548	2064	One side only
EW5005-F5.0	3 - PLYS	387	581	774	774	1161	1548	One side only
EW5670-F6.7	4 - PLYS	344	516	688	688	1032	1376	One side only

Notes:
1. Tables above are for LVL ply-to-ply attachment to act as a single unit at side-applied uniform loads. For top-loaded conditions, loaded equally on each ply, use minimum 2 rows of screws at maximum 24" O.C. spacing.
2. Table values indicate maximum capacity in pounds per linear foot (plf) for floor loading (Sd=1.0). For roof loading, multiply table values by 1.15.
3. TrussLok screw minimum spacings: observe 1 1/2" edge distance, minimum end distance, d = 4", minimum vertical spacing between screws, b = 3". Stagger rows horizontally 1" minimum.
4. TrussLok screws, manufactured by FastenMaster, with 0.228" Nominal diameter (root diameter 0.215", F_u = 202,200 psi). A qualified registered professional must design capacities for other spacing and configurations.
5. Side fastening must be properly fastened to I/J per lumber manufacturer's requirements.
6. Verify adequacy of beam in uniform load tables prior to using these tables.
7. Use minimum two rows of TrussLok screws for 7 1/4" to 11 1/4" LVL beam depths and minimum three rows of TrussLok screws for 14" to 24" LVL beam depths. For less than 7 1/4" LVL beam depth, contact EWP.

Technical Support

While supplying a superior product, we are also dedicated to an unprecedented level of support to our customers. We provide not only phone support, but a broad library of technical materials, bulletins and other relevant information for our products.

Our highly trained technical services staff, led by industry veterans, combine their extensive knowledge and state-of-the-art tools to assist you with any design or construction question and provide full support for our design software.



Limited Lifetime Warranty StructurePRO LVL™ (Laminated Veneer Lumber)

We warrant to each Qualified Owner (as defined below) that StructurePRO LVL™ (laminated veneer lumber) is manufactured in accordance with the exacting standards (as prescribed in the APA-EWS Quality Control Manual) and is free from defects in materials and workmanship for the expected life of the structure in which it is installed. "Qualified Owner" is any person who purchases a residential structure in which any StructurePRO LVL has been selected, purchased, handled and installed in accordance with our installation instructions by a person who has been trained in the installation of Engineered Wood Products.

Conditions:

We must be given reasonable prior notice and opportunity to inspect any StructurePRO LVL before we will honor any claim under this warranty. If inspection confirms that a defect exists and has caused a structural problem, we may repair or replace (at our option) the product at our expense. Any defect or damage resulting in whole or part from exposure to the elements, fire or natural disaster, improper handling, improper use or improper installation techniques is NOT our responsibility and is NOT covered by this warranty.

DISCLAIMER:

THE LIMITED LIFETIME WARRANTY STATED ABOVE IS EXCLUSIVE AND IN LIEU OF ANY OTHER WARRANTY, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. CORRECTION OF THE DEFECTS IN THE MANNER AND UNDER THE CONDITIONS STATED ABOVE SHALL CONSTITUTE FULFILLMENT OF ALL OUR OBLIGATIONS AND LIABILITIES TO ANY PERSON WITH RESPECT TO THE COVERED PRODUCTS, WHETHER BASED ON CONTRACT, NEGLIGENCE, STRICT LIABILITY OR OTHERWISE. NO PERSON OR ENTITY IS AUTHORIZED TO CREATE FOR US ANY OTHER OBLIGATION OR LIABILITY TO ANY PERSON RELATING TO THE COVERED PRODUCTS. IN NO EVENT WILL WE BE LIABLE FOR INDIRECT, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES OF ANY KIND SUSTAINED FROM ANY CAUSE.

Eastern Engineered Wood Products, Inc. • 1245 Easton Road • Bethlehem, PA 18015 • (484) 853-3100



Eastern Engineered Wood Products
1245 Easton Road
Bethlehem, PA 18015
800-700-4788
484-853-3100
484-853-3830 (Fax)
www.eewp.com