

	Client:		Date:	5/19/2022	Page 2 of 1
	Project:		Input	by:	
isDesign	Address:		Job N	ame: Prevette	
			Projec	ct #:	
B1 Dining Rm to Kitchen	LP-LVL 2900Fb-2.0E	1.750" X 16.000"	2-Ply - PASSED	Level: Level	
1 SPF	· · · · ·	· · · · · · · ·	· · · · · · · ·	· · · · · · · · · · · · · · · · · · ·	
¢		18'6"			3 1/2"
ŕ		18'6"			
Fasten all piles using 3 row	'S OT 120 BOX halls (.128	x3.25°) at 12° 0.C N	laximum end dista	nce not to exceed 6". Clinch Na	alis
where possible.	0.0.%				
Japacity	0.0 %				
load	0.0 PLF				
/ield Limit per Foot	278.2 PLF				
rield Limit per Fastener	92.7 lb.				
/ield Mode	IV				
Edge Distance	1 1/2"				
/lin. End Distance	3"				
oad Combination					
Duration Factor	1.00				

Notes		Manufacturer Info	BFS/Locust Lumber Company
This component analysis is based on the loads, geometry and other conditions as entered by the user and listed in this report. The user is responsible to		Louisiana-Pacific Corp 414 Union Street, Suite 2000 Nachville, TN 37210	312 E. Main Street, North Carolina 28127 704-888-4411
ensure the accuracy of the input and the applicability to the actual conditions of the structure for which this		(888) 820-0325	704-000-4411
component is intended. This analysis is valid only for the product listed.		www.lpcorp.com	Builders
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	This design is valid until 11/3/2024		Combining to serve you better

		Client:					Date:	Ę	5/19/202	2					Page 3 of 11
		Project:					Input	by:							
15	Design	Address	:				Job N	lame: I	Prevette						
							Projec	ct #:							
B2 Dining	Fo Great Room	LP-LVL 2900	⁻ b-2.0E 1	.750" X 18.00	0" 2-Ply	y - P/	ASSED	Lev	el: Level						
				2											
		1													_
			•	·	•		·		•	•	-	-	•	M	
LP		LP	• •	LP.		•	LP		•	•	LP	•	•	XXX	1'6"
a second and a second s	a state	and the subscription			11					-				IW	
1 SPF												2 SPF			<i>—</i> —
				18'6"									7	13	1/2"
/ /				18'6"									-/		
													•		
ļ															
Member In	formation					Read	ctions F	PATTE	RNED	lb (U	olift)				
Туре:	Girder	App	lication:	Floor		Brg	Directio	on	Live		Dead	Snow	V	Wind	Const
Plies:	2	Des	ign Method:	ASD		1	Vertical		2365		1955	()	0	0
Moisture Cond	dition: Dry	Bui	ding Code:	IBC/IRC 2015		2	Vertical		2365		1955	()	0	0
Deflection LL:	480	Loa	d Sharing:	No Not Observed											
Deflection 1L:	240 Normal II	Dec	:К:	NOT Checked											
Temperature:	Temp $\leq = 100^\circ$	F													
remperature.	lemp <= 100					Bear	rinas								
						Bea	aring le	nath	Dir	Can F	React D/I	lh To	tal I	d Case	Id Comb
							SPE 35	500"	Vert	83%	1955 / 23f	35 43	820 I	u. Oase	D+I
						2-	SPF 3.5	500"	Vert	83%	1955 / 236	65 43	320 L		D+L
Analysis Re	sults				I										
Analysis	Actual	Location Allowed	d Capaci	ty Comb.	Case										
Moment	36108 ft-lb	9'3" 43105 f	-lb 0.838 (8	4%) D+L	L										
Shear	4225 lb	1'9 1/2" 11970 lt	0.353 (3	5%) D+L	L										
LL Defl inch	0.313 (L/693)	9'3 1/16" 0.452 (L	/480) 0.693 (6	9%) L	L										
TL Defl inch	0.574 (L/377)	9'3 1/16" 0.903 (L	/240) 0.636 (6	4%) D+L	L										
Design Not	es														
1 Provide su	oport to prevent latera	al movement and ro	tation at the en	d bearings. Latera	al support										
may also b	e required at the inte	rior bearings by the	building code.	Ū											
2 Dead Load	Deflection: Instant =	0.261", Long Term	= 0.392". (3.25") at 12" a	o Maximum and	distanco										
not to exce	ed 6". Clinch Nails w	here possible.	(3.23) at 12 0.	c. Maximum enu	uistance										
4 Refer to las	t page of calculation	s for fasteners requ	red for specifie	d loads.											
5 Concentrat	ed load fastener spec	cification is in additi	on to hanger fa	steners if a hange	er is										
6 Simpson fa	steners applied from	a single side of the	member use ti	o values where pu	ublished.										
7 Girders are	designed to be supp	oorted on the bottom	edge only.												
8 Top loads r	nust be supported eq	ually by all plies.	7/4 0/1												
9 Top must b 10 Bottom mu	e laterally braced at a st be laterally braced	a maximum of 3111	/16 [°] 0.C.												
ID	l oad Type	L ocatio	n Trib Width	Side	Dead 0.9		l ive 1	Snow 1	15	Wind 1	6 Const	1 25	Comr	nents	
1	Liniform	2004.0	1_0_0	Top	10 PSF			01			E (
1	Deint	0.2	0	Neer Feee	2202.16			01	01	010			D2 C-	a at Daam	Deere Dee 1
2	Point	9-3-	0	Near Face	3392 ID	ć	ai 0990		ai u	0	D	di U	B3 Gr	eat Room	Beam Brg 1
	Self Weight				18 PLF										
Natas								Ма	nufactur	er Info		BF	S/Locu	ust Lumbe	er Company
This component an	alysis is based on the loa	ads,						Lou	uisiana-Pa	acific Corp)	312	2 E. Ma	ain Street	, North Carolina
geometry and other of and listed in this re	port. The user is responsible	e to						414 Nas	I Union S shville. TN	treet, Suit V 37219	e 2000	281 704	ı∠ <i>1</i> 1-888-4	4411	
the actual conditions component is intended	or the imput and the applicability of the structure for which d. This analysis is valid only for	this						(88	8) 820-03	325					
product listed.	ints reserved by Louisiana Do	cific						AP	A: PR-L28	30, ICC-Е	S: ESR-2403	3,		Builders FirstSource	BMC
Corp. 414 Union St St	lite 2000, Nashville, TN 37219			This d	esian is valid :	until 11	13/2024	LAI	DBS: RR-	25783, FI	orida: FL152	28	Comb	ining to see	ve vou better
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/ersion 21.80.417 Powered by iStruct™ Dataset: 21072908.3993

CSD BUILD

Project: Input by: Address: Job Name: Prevette Project #: B2 Dining To Great Room LP-LVL 2900Fb-2.0E 1.750" X 18.000" 2-Ply - PASSED Level: Level: Level: Level: Level: 1 1 1 1
Address: Job Name: Prevette Project #: B2 Dining To Great Room LP-LVL 2900Fb-2.0E 1.750" X 18.000" 2-Ply - PASSED Level: Level
Project #: B2 Dining To Great Room LP-LVL 2900Fb-2.0E 1.750" X 18.000" 2-Ply - PASSED Level: Level 1 <t< th=""></t<>
B2 Dining To Great Room LP-LVL 2900Fb-2.0E 1.750" X 18.000" 2-Ply - PASSED Level 1 1 1 1 1
$\begin{bmatrix} 1 \\ \vdots \\$
││
\therefore \therefore $1^{16"}$
$ \vdots \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot $
1 SPF 2 SPF 7
18'6"

Multi-Ply Analysis

Fasten all plies using 3 rows of 12d Box nails (.128x3.25") at 12" o.c.. except for regions covered by concentrated load fastening. Maximum end distance not to exceed 6". Clinch Nails where possible.

Capacity	0.0 %
Load	0.0 PLF
Yield Limit per Foot	278.2 PLF
Yield Limit per Fastener	92.7 lb.
Yield Mode	IV
Edge Distance	1 1/2"
Min. End Distance	3"
Load Combination	
Duration Factor	1.00

Concentrated Load

Fasten at concentrated side load at 9-3-0 with a

minimum of (10) – SDW22338 in the pattern shown.

All fasteners shall be installed with the head on the

side of the applied load.

Capacity	92.3 %
Load	3691.0lb.
Total Yield Limit	4000.0 lb.
Cg	1.0000
Yield Limit per Fastener	400.0 lb.
Yield Mode	Lookup
Load Combination	D+L
Duration Factor	1.00

Min/Max fastener distances for Concentrated Side Loads



Notes		Manufacturer Info	BFS/Locust Lumber Company	
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	Client:		Date:	5/19/2022	Page 6 of 1 [°]
	Project:		Input b	y:	
isDesign	Address:		Job Na	me: Prevette	
			Project	#:	
B3 Great Room Beam	LP-LVL 2900Fb-2.0E	1.750" X 18.000"	3-Ply - PASSED	Level: Level	
• • • •	• • • •	• • •	• • •	• • • •	
					l ∑ M l™
	• • • •	• • •	• • •	• • • •	
		19'			5 1/4"
/		10'			
		15			Ι
Multi-Ply Analysis					
Fasten all plies using 3 ro	ows of 12d Box nails (.128	3x3.25") at 12" o.c N	ail from both sides.	Maximum end distance n	ot to
exceed 6". Clinch Nails w	here possible.	,,			
Capacity	0.0 %				
Load	0.0 PLF				
Yield Limit per Foot	278.2 PLF				
Yield Limit per Fastener Yield Mode	92.7 ID. IV				
Edge Distance	1 1/2"				
Min. End Distance	3"				
Load Combination	4.00				
Duration Factor	1.00				
				Manufacturor Info	RES/Loguet Lumber Commence
Notes This component analysis is based on th	he loads			I ouisiana-Pacific Corp	312 E. Main Street, North Caroli
geometry and other conditions as entered by and listed in this report. The user is response	/ the user possible to			414 Union Street, Suite 2000	28127
ensure the accuracy of the input and the appli the actual conditions of the structure for v	icability to which this			Nashville, TN 37219 (888) 820-0325	/ 04-000-44
component is intended. This analysis is valid or product listed.	nly for the			www.lpcorp.com	Builders
Converight 2020 All sights reconveriged by Laurisian					
Corp. 414 Union St Suite 2000, Nashville, TN 3	na Pacific 37219			APA: PR-L280, ICC-ES: ESR-2403 LADBS: RR-25783, Florida: FL152	28 FirstSource [BIVIC]



	Client:		Date:	5/19/2022	Page 8 of 11
	Project:		Input by	<i>/</i> :	-
isDesign	Address:		Job Na	me: Prevette	
			Project	#:	
9' Garage Door Header	LP-LVL 2900Fb-2.0E	1.750" X 9.250"	3-Ply - PASSED	Level: Level	
• •	• •	• •	•	• • •	
• •	• •	• •	•		• <u> </u>
1 SPF End Grain				2 SPF End	l Grain
<u>/</u>		10'			5 1/4"
/		10'			ł
1		10			1
Multi-Ply Analysis					
Fasten all plies using 2 rov	vs of 12d Box nails (.128x	(3.25") at 12" o.c N	lail from both sides.	Maximum end distance no	ot to
exceed 6". Clinch Nails wh	ere possible.				
Capacity	0.0 %				
oad	0.0 PLF				
/ield Limit per Foot	185.4 PLF				
field Limit per Fastener	92.7 lb.				
Edge Distance	1 1/2"				
Vin. End Distance	3"				
Load Combination					
Duration Factor	1.00				
				Manufacturer Info	BES/Locust Lumber Company
Notes This component analysis is based on the	loads,			Louisiana-Pacific Corp	312 E. Main Street, North Carolina
geometry and other conditions as entered by the and listed in this report. The user is response	e user ible to			414 Union Street, Suite 2000	28127 704-888-4411
ensure the accuracy of the input and the applical the actual conditions of the structure for white	bility to ch this			Nashville, TN 37219 (888) 820-0325	104-000-4411
component is intended. This analysis is valid only product listed.	for the				Builders
Copyright 2020 All rights reserved by Louisiana Corp. 414 Union St Suite 2000, Nashville, TN 372	Pacific 19			LADBS: RR-25783, Florida: FL1522	28 FirstSource [BIMC]
		This desig	n is valid until 11/3/2024		Combining to serve you better



	Client:		Date [.]	5/19/2022	Page 10 of 1
	Project:		Input by:	0,10,2022	
isDesign	Address:		Iob Nam	e. Prevette	
130631311	Address.		Droin et #	e. Trevelle	
			Project #		
18' Garage Door Header	LP-LVL 2900Fb-2.0E	1.750" X 18.000"	3-Ply - PASSED	Level: Level	
• • • •	• • • •	• • •	• • •	• • • •	$\overline{}$. If $\overline{}$
					M 12
• • •	• • • •	• • • •	• •		1'6"
					. <u> </u>
1 SPF End Grain				2 SPF End	Grain '
<u>,</u>		4.010.11			
		18'9"			5 1/4"
1		18'9"			{
•					
Multi-Plv Analysis					
			6 I I		
-asten all plies using 3 row	is of 12d Box nails (.128x:	3.25") at 12" o.c Nail	from both sides. N	laximum end distance not	to
exceed 6". Clinch Nails whe	ere possible.				
Capacity	0.0 %				
oad	0.0 PLF				
′ield Limit per Foot	278.2 PLF				
ïeld Limit per Fastener	92.7 lb.				
ïeld Mode	IV				
dge Distance	1 1/2"				
/lin. End Distance	3"				
oad Combination					
Duration Factor	1.00				
Notes				Manufacturer Info	BFS/Locust Lumber Company
This component analysis is based on the	loads,			Louisiana-Pacific Corp	312 E. Main Street, North Carolin
geometry and other conditions as entered by the and listed in this report. The user is responsil	e user ble to			414 Union Street, Suite 2000	20127 704-888-4411
ensure the accuracy of the input and the applicab the actual conditions of the structure for whic	ility to h this			(888) 820-0325	
component is intended. This analysis is valid only to product listed.	for the			www.lpcorp.com	Builders
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Corp. 414 Union St Suite 2000, Nashville, TN 3721	9	This desire is	valid uptil 11/2/2024	LADDO. INN-20700, FIUIIUA: FL 19228	Combining to some you better
		mis design is	vanu unui 11/3/2024		combining to serve you better



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