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BD1-A         LP-LSL 1.55E         3.500" X 11.875" - PASSED         Left Data Fr           Image: Data Fr         Image: Data Fr         Image: Data Fr         Image: Data Fr         Image: Data Fr           Image: Data Fr         Image: Data Fr         Image: Data Fr         Image: Data Fr         Image: Data Fr         Image: Data Fr           Image: Data Fr </th <th>is</th> <th>Design</th> <th></th> <th>Address:</th> <th></th> <th></th> <th></th> <th>Jo</th> <th>ob Name</th> <th>e: CL31</th> <th>45 GL-CP</th> <th></th> <th></th> <th></th> <th></th>	is	Design		Address:				Jo	ob Name	e: CL31	45 GL-CP				
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19PF End Grain       2 SPF End Grain       10       11         17       17       17       17         Reactions PATTERNED Is (Uplift)         Importance:       Application::       Floor       1       0       963       170       0       0         Understort Lin:       380       Building Code:       RC2 012       Load Shuring::       No       0       0       0         Detection Lin::       380       Dock:       Not Checked       1       0       963       170       0       0         Importance:       Normal       End Shuring::       No       Dock:       Not Checked       1.       SpF 4.500 <sup>-</sup> 8%       963 / 170       1133       L       Dock         Parking Kesults	LP	Col Man	.IP			LP			П	Die				3	
Serve Evic Guan         2 Serve Evic Guan         2 Serve Evic Guan           17         17           Reactions PATTERNED Ib (Uplift)           Type:         Girdser         Application:         Floor         Basic         1         0         963         170         0         0           Mediature Condition:         Dry         Deader Michael Condition:         R50         Building Cocdet:         R50         0         963         170         0         0           Selection IL:         360         Dock:         Not Checked         Planting         No         Dock:         Not Checked         1         0         963         170         0         0           Selection IL:         360         Dock:         Not Checked         Planting         No         Dock:         Not Checked         1         0         963         170         0         0         0           State         10 PSF         Manual Location Allowed         Capacity Comb.         Casa					New Prove	and the second second		and the second				0.0DE E			
17         Reactions PATTERNED Ib (Uplift)           Reactions PATTERNED Ib (Uplift)           Type:         Circler         Application:         Floor           Detection L1:         240         Desk         Not Checked           Detection L1:         240         Desk         Not Checked           Breard Load         Deck         Not Checked         Deck         Deck           Bearing Length         Cape React DUL Ib         Total Ld. Case         Ld. Comb           Bearing Length         Augusta         Augusta         Augusta         Station 200 (Station	1 SPF Er	nd Grain										2 SPF E	nd Grain		
I     Tr     Reactions     Reactions     PAT     I       iember Information     Application: Floor     Design Method: ASD     Big     Uve     Design Method: SoD     Big       iember Information     0     Design Method: ASD     Big     Uve     Design Method: SoD     Big       iember Information     0     0     0     0     0     0     0       Defection IL:     360     Design Method: SoD     Design Method: SoD     Big     Big     Uve     Design Method: SoD       Bearing Length     Design Method: SoD       Bearing Length     Cap. React DLLIb     Total Ld. Case     Ld. Comber       Importance:     Norw Method: SoD     Design Method: SoD     Design Method: SoD     Design Method: SoD       Bearing Length     Cap. React DLLIb     Total Ld. Case     Ld. Comber       Provide Loo Addition     Astor 10249 (Dottal 000 (Wh) D     Unition     Design Method: SoD     Design Method: SoD       LD efficition     0.58 (L2A9)     0.080 (Wh) S     L     L     Design Method: SoD     Design Method: SoD       LD efficition     0.58 (L2A9)     0.080 (Wh) S     L     L     L     Design Method: SoD     Design Method: SoD <tr< td=""><td></td><td></td><td></td><td></td><td></td><td>17'</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>1 13 1/2"</td></tr<>						17'									1 13 1/2"
Type:         Girder         Application:         Floor         Description         Brig         Live         Dead         Snow         Wind         Const.           Modute Condition: Dry         Design Method: ASD         Building Code:         IRC 2012         Dead         Snow         Wind         Const.           Defection L1:         20         Desc         Not Checked         Desc	I					17								Ι	
Open         Clinder         Application:         Floor           Design Method:         ASD         Design Method:         ASD           Mosture Condition:         Dry         Dualding Code:         IRC 2012         0         963         170         0         0           Defection TL:         240         Dock:         Not Checked         1         0         963         170         0         0         0           Entertion L::         240         Dock:         Not Checked         0         963         170         0         0         0           Stream         40 PSF         Dock:         Not Checked         Dock:         Not Checked         Dock:         133         D+S         D+S           Analysis         Actual         Location Allowed         Capacity Comb.         Case         Design Notes         2         SPF 4.500"         8%         963 / 170         1133         L         D+S           End         Design Notes         1         SPF 4.500"         8%         963 / 170         1133         L         D+S           End         Design Notes         1         Design Notes         L         End         Grain         Set SPF 4.500"         8%         963	Member In	formation						Reaction	ıs PAT	TERN	ED lb (Up	olift)			
Inters: 1 Design Method: ASD Design Method: ASD Design Method: ASD Design Method: Part C2012 Load Sharing: No Deck: Not Checked 12 0 963 170 0 0 0          Defection TL: 360       Building Code: IRC 2012 Load Sharing: No Deck: Not Checked       1 0 963 170 0 0 0         Importance: Normal Temperature: Temps <= 100°F	Туре:	Girder		Applica	ition:	Floor		Brg	Live	Э	Dead	Snow	,	Wind	Const
Deflection LL:     300     Load Sharing:     No       Deflection TL:     240       morranic:     Temps + 100°F       Breneril Load     Deck:     Not Checked       Pior Live:     40 PSF       Dead:     10 PSF       analysis Actual     Location Allowed     Capacity Comb.       Analysis     Actual     Location Allowed       Analysis     Actual     Location Allowed       Analysis     Actual     Location Allowed       Capacity Comb.     Case       Share     815 b     13 56° 10224 lb       Dealt Codd Defaultion:     0x80 (49%)       Loealtion Allowed     Capacity Comb.       Case     Bearing Length       Capacity Comb.     Case       Share     815 b       Dial Lobel Inch     0x81 (1224 lb       Data Lobel Robeits     Instructure design.       State and Bearings.     Case of the support to prevent rotation at end bearings and at interior bearings when required by code for setting.       D     Load Type     Location Thib Width       State Load Defaults     State Load Defaults       State Load Defaults     Case of the support to prevent rotation at end bearings.       D     Load Type     Location Thib Width       State Load Defaults     State Load Defaults	Plies: Moisture Cond	1 dition: Dry		Design Buildin	Method: g Code:	ASD IRC 2012		1	(	) )	963 963	170 170		0	0 0
Defection TL:       240       Deck:       Not Checked         Importance:       Temps 2400       Somal       Bearings         Bearing Langth       10 PSF       Bearing Langth       Cap. React DLL Ib       Total       Ld. Case       Ld. Comb.         Analysis       Actual       Location       Allowed       Capacity Comb.       Case       Earling         Analysis       Actual       Location       Allowed       Capacity Comb.       Case       End         Shear       815 b       113 Stef 10224 Ib       0.260 (28%) D       Uniform       2 - SPF 4.500"       8% 963 / 170       1133 L       D+S         End       Grain       2 - SPF 4.500"       8% 963 / 170       1133 L       D+S         End       The Definich       0.261 (L4563)       86 1/16" 0.6819 (L240)       0.280 (28%) D       Uniform         1 To Porde lateral support to prevent rotation at end bearings and at interior bearings when required by code for setting design.       End       The Design dub to the supported on the bottom edge only.       4         1 Forvide lateral support to prevent rotation at end bearings and at interior bearings.       End       End       State 100 PLF       0 PLF	Deflection LL:	360		Load S	haring:	No		-							
Induitation         Notice in the importance is intermediate in the proof is the proof is the intermediate in the proof is the intermediate inter	Deflection TL:	240		Deck:		Not Checked									
General Load       Pior Live:       40 PSF         Pior Live:       40 PSF         Dead:       10 PSF         Analysis Actual       Location Allowed Capacity Comb.       Case         Manual Load       Status         Analysis       Actual       Location Allowed Capacity Comb.       Case         Moment 3797 ft-lb       8% 14578 ft-lb       0.260 (25%) D       Uniform         Shear       815 lb       13 587 10224 lb       0.080 (6%) D       Linform         Lobel Inch       0.301 (L653)       86 11/6* 0.819 (L/240)       0.370 (37%) D+S       L         esign Notes       L       Estimation and allowed on the battings and at inferior bearings when required by code for seismic design.       2       20e1 dcad Defection. Instati - 0.25%; Long Term = 0.383*         3 Girden are designed to be supported on the bottom edge only.       4       10 PL/E       0.PLF       20 PLF       0.PLF       0.PLF         1       Part. Uniform       0-0-0 to 17-0-0       Top       100 PLF       20 PLF       0.PLF       0.	Temperature:	Temp <= 100	°F												
Infort Lue: 40 PSF       Bearing Length Cap. Readt DL lb Total Ld. Case Ld. Comb.         Dead: 10 PSF         Inalysis Actual Location Allowed Capacity Comb. Case         Manaysis Actual Location Allowed Capacity Comb.       Case (Last) Case         Moment 3797 ft-lb 86° 14578 ft-lb 0.260 (26%) D       Uniform         Shear 815 lb 175 5/8 10224 lb 0.080 (26%) D       Uniform         LDefline(10.045 (U4354) 876 11/6° 0.819 (U240) 0.370 (37%) D+S       L         End Grain         Thouge lateral support to prevent rotation at end bearings and at inferior bearings when required by code for seismic design.         Dead code for seismic design.         D Load Type Location Trib Width Side Dead 0.9         Live 1 Snow 1.15 Wind 1.6 Const. 1.25 Comments         1 Part. Uniform 0.0-0 to 17-0-0 Top 100 PLF 0 PLF 20 PLF 0 PLF 0 PLF         Set Weight         Manufacturer Info         Load Type Location Trib Width Side Dead 0.9         Live 1 Snow 1.15 Wind 1.6 Const. 1.25 Comments         1 Part. Uniform 0.0-0 to 17-0-0 Top 100 PLF         Set Weight         Manufacturer Info         Load Type Soft Part Part Part Part Part Part Part Par	General Load							Bearings	s						
Dead:       10 PSF       1. SPF 4.500"       8% 963/170       1133 L       D+S         malysis Results	Floor Live:	40 PSF						Bearing	Length	h (	Cap. Reac	t D/L lb	Total	Ld. Case	Ld. Comb.
Grain         Grain         Analysis       Actual       Location       Allowed       Capacity       Comb       Case         Moment       3797 H-b       96' 1475 R-b       0.280 (28%) D       Uniform       2.° SPF 4.500°       8% 963 / 170       1133 L       D+S         Bis       135 Jb       135 Jb'       10224 lb       0.080 (8%) S       L       L         Define       0.445 (L4354)       86 11/6'       0.846 (L360)       0.303 (37%) D+S       L         Bis       0.301 (L4653)       86 11/6'       0.846 (L360)       0.303 (37%) D+S       L         1       Parked for Issismic design.       Issae       Status       Issae       Status       Issae         2       Dead Load       Deflection: Instant = 0.256°, Long Term = 0.383°.       Issae       Issae       Issae       Status       Status         3       Order are designed to be supported on the bottom edge only.       4       Status       Issae       Status	Dead:	10 PSF						1 - SPF End	4.500"		8% 96	63 / 170	1133	L	D+S
Analysis Actual Location Allowed Capacity Comb. Case Moment 3797 R-lb 86 14578 ft-lb 0.260 (26%) D Uniform Shear 815 lb 135 df 10222 lb 0.080 (8%) D Uniform LL Defl inch 0.045 (L/4354) 86 1/16 0.546 (L/360) 0.080 (8%) S L LT Defl inch 0.045 (L/4354) 86 1/16 0.546 (L/360) 0.080 (8%) S L The seign Notes Second Support to prevent rotation at end bearings and at interior bearings when required by code for seismic design. 2 Dead Load Deflection: Instant - 0.256°, Long Term = 0.383° 3 Girden are designed to be supported on the bottom edge only. 4 Top broade at bearings. 5 Bottom braced at beari	Analysis Re	sults		•				Grain	. =						
Moment         3/97 / Hab         8 th         143 / 8 th         0.250 (25%) D         Uninform           Shear         815 lb         113 / 6 th         102 / 4 Lb         0.080 (8%) D         Uninform           LL Defl inch         0.045 (L/4354)         86 1/16*         0.546 (L/360)         0.080 (8%) S         L           esign Notes	Analysis	Actual	Location	Allowed	Capacit	y Comb.	Case	2 - SPF End	4.500"		8% 96	53/170	1133	L	D+S
Shear       615 lb       15 30       10224 lb       0.000 (0%) D       0.000 (0%) D       0.000 (0%) D         LL Defi Inch       0.045 (L/350)       86 1/16*       0.819 (L/240)       0.370 (37%) D+S       L         esign Notes       1       Provide lateral support to prevent rotation at end bearings and at interior bearings when required by code for seismic design.       2       2       2       2       36 (l/16*       0.819 (L/2440)       0.370 (37%) D+S       L         2       Ded Load Deflection: Instant = 0.256%, Long Term = 0.383*       3	Moment	3797 ft-lb	8'6" 112 5/0"	14578 ft-lb	0.260 (2	6%) D	Uniform	Grain							
LD Define Not Set (Loss)       0.011 (Loss) <td></td> <td>0.045 (1./4354)</td> <td>8'6 1/16"</td> <td>0 546 (1/36</td> <td>0) 000.0</td> <td>%)D %)S</td> <td>I</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>		0.045 (1./4354)	8'6 1/16"	0 546 (1/36	0) 000.0	%)D %)S	I								
Bit     Description       1     Provide lateral support to prevent rotation at end bearings and at interior bearings when required by code for selsmic design.       2     Dead Load Deflection: Instant # 0.265°, Long Term = 0.383°       3     Girders are designed to be supported on the bottom edge only.       4     Top braced at bearings.       5     Bottom braced at bearings.       1     Part. Uniform     0-0-0 to 17-0-0       1     Part. Uniform     0-0-0 to 17-0-0       1     Part. Uniform     0-0-0 to 17-0-0       5     Self Weight     13 PLF	TL Defl inch	0.301 (L/653)	8'6 1/16"	0.819 (L/24	0) 0.370 (3	7%) D+S	L								
1 Provide lateral support to prevent rotation at end bearings and at interior bearings when required by code for seismic design.         2 Dead Load Deflection: Instant = 0.256°, Long Term = 0.383°         3 Girders are designed to be supported on the bottom edge only.         4 Top braced at bearings.         Bottom braced at bearings.         ID       Load Type         Location Trib Width Side       Dead 0.9         Live 1 Snow 1.15       Wind 1.6       Const. 1.25       Comments         1       Part. Uniform       0-0-0 to 17-0-0       Top       100 PLF       0 PLF       0 PLF       0 PLF       0 PLF         Self Weight       13 PLF       Self Weight       13 PLF       US Lumber       2160 Satellite Blvd, Suite 450 30037         Intermediation of the controls are entered by the uses on other the protection of the sector of the rout of the rout of the transmit of the sector of the rout of the rout of the transmit of the rout of the rout of the rout of the rout of the transmit of the rout	Desian Not	es		, ,	, (	,		1							
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ID       Loadi Type       Location       Trib Wildth       Side       Dead 0.9       Live 1       Snow 1.15       Wind 1.6       Const. 1.25       Comments         1       Part. Uniform       0-0-0 to 17-0-0       Top       100 PLF       0 PLF       20 PLF       0 PLF       0 PLF       0 PLF         Self Weight       13 PLF       13 PLF       13 PLF       US Lumber       20 PLF       0 PLF       0 PLF       20 PLF       0 PLF       20 PLF       0 PLF	5 Bottom bra	ced at bearings.													
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Self Weight     13 PLF         Intege     Manufacturer Info     US Lumber       State     Louisiana-Pacific Corp     14 Union Street, Suite 2000       Nashville, TN 37219     US Lumber     2160 Satellite Blvd, Suite 450       Opright 2019 All rights reserved by Louisiana Pacific     Dashville, TN 37219     US Lumber       Opright 2019 All rights reserved by Louisiana Pacific     Dashville, TN 37219     US Lumber       Opright 2019 All rights reserved by Louisiana Pacific     Dashville, TN 37219     US Lumber       Opright 2019 All rights reserved by Louisiana Pacific     Dashville, TN 37219     US Lumber       Opright 2019 All rights reserved by Louisiana Pacific     Dashville, TN 37219     US Lumber       Opright 2019 All rights reserved by Louisiana Pacific     Dashville, TN 37219     US Lumber       Opright 2019 All rights reserved by Louisiana Pacific     Dashville, TN 37219     US Lumber       Opright 2019 All rights reserved by Louisiana Pacific     Dashville, TN 37219     US Lumber       Opright 2019 All rights reserved by Louisiana Pacific     Dashville, TN 37219     US Lumber       Opright 2019 All rights reserved by Louisiana Pacific     Dashville, TN 37219     US Lumber       US LUM Der     Dashville, TN 37219     US Lumber     Dashville, TN 37219       US LUM Der     Dashville, TN 37219     Dashville, TN 37219     Dashville, TN 37219       <	1	Part. Uniform	0-0-0	to 17-0-0		Тор	100 PLF	0 PLF	F	20 PLF	0 PL	F	0 PLF		
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IS	Design	Ad	ldress:				J	ob Name	: CL314	5 GL-CP				
	_						F	roject #:	CL314	5 GL-CP				
HD2-A	LP-LSL	1.55E	3.5	00" X	9.250"	' - PAS	SED	L	_evel: 2nd	d Fir				
					6									
				4			7							
						_ 3								
1	2	5			V		8							
														$\Lambda 1$
LP														
	Contain		-		alt in g	•		-						91/2
A REPORT OF THE REPORT OF	ALC: NO.	and the second s	and the second second		Service and the service of	State of the second second	States and States							
	End Grain					2	SPF End G	rain						1 1
<u>}</u>				6'										3 1/2"
				0										1 10
I				ρ.				I						
Member Int	formation						Reactio	ns PAT	TERNE	D lb (Upli	ft)			
Туре:	Girder		Applicat	ion:	Floor		Brg	Live	e	Dead	Snow		Wind	Const
Plies:	1		Design	Method:	ASD		1	549 (-30)	)	983	493		0	0
Moisture Cond	dition: Dry		Building	Code:	IRC 2012		2	549 (-30)	)	1728	1238		0	0
Deflection LL:	360		Load Sh	aring:	No Not Checked									
Deflection 1L:	240 Normal		Dеск:		Not Checked									
Temperature:	Temp $\leq 100^{\circ}$	-												
General Load							Bearing	s						
Floor Live:	40 PSF						Bearing	Lenath		ap. React D	/L lb	Total	Ld. Case	Ld. Comb.
Dead:	10 PSF						1 - SPF	3.000"	1	9% 983	/ 781	1764	L	D+0.75(L+S)
							End							
Analysis Re	sults						Grain							
Analysis	Actual I	Location All	lowed	Capacity	/ Comb.	Case	2 - SPF	3.000"	3	33% 1728 /	1340	3069	L	D+0.75(L+S)
Moment	4148 ft-lb	3'8 1/2" 11	647 ft-lb	0.356 (36	6%) D+0.75(L+	⊦S) L	Grain							
Shear	2219 lb	5' 1/2" 10	177 lb	0.218 (22	2%) D+0.75(L+	⊦S) L								
LL Defl inch	0.033 (L/2043)	3'4 1/16" 0.1	188 (L/360	) 0.180 (18	\$%) 0.75(L+S)	L								
TL Defl inch	0.076 (L/894)	3'4 3/16" 0.2	281 (L/240	) 0.270 (27	'%) D+0.75(L+	⊦S) L	1							
Design Not	es													
1 Provide late	eral support to preven	nt rotation at e	nd bearing	gs and at inte	erior bearings	when	1							
2 Dead Load	Deflection: Instant =	iign. 0.042". Lona <sup>-</sup>	Term = 0.0	)64"										
3 Girders are	designed to be supp	orted on the b	oottom edg	je only.										
4 Top braced	at bearings.													
5 Bottom bra	Load Type		cation	Trib Width	Side	Dead 0.0	Live	1 Sno	w 1 15	Wind 1.6	Const	1 25	Commer	te
1	Taparad Stat	LU			Ton			- 310'	0.01.0			0.20	Commen	1.0
I			0-0-0		юр		T PL	.r <sup>.</sup>			0			
	End		0-10-0		-	0 PLF	1 PL	F		0 PLF	0	PLF	10	
2	Part. Uniform	0-0-0 to	0 6-0-0		Тор	57 PLF	182 PL	.F	0 PLF	0 PLF	0	PLF	J2	
3	Part. Uniform	0-0-0 to	o 6-0-0		Тор	96 PLF	0 PL	F	0 PLF	0 PLF	0	PLF	Wall Self V	Neight
4	Part. Uniform	0-0-0 to	o 6-0-0		Тор	0 PLF	-10 PL	F	0 PLF	0 PLF	0	PLF	J2	
5	Tapered Start		0-10-0		Тор	0 PLF	1 PL	F	0 PLF	0 PLF	0	PLF		
	End		4-10-0			0 PLF	1 PL	F	0 PLF	0 PLF	0	PLF		
6	Point		3-8-8		Тор	1005 lb	0	lb	1005 lb	0 lb		0 lb	Header Co	olumn
Continued on pa	ige 2													
Notes									Manufact	urer Info		U	S Lumber	
This component and	alysis is based on the loa	ids,						ſ	Louisiana	-Pacific Corp	000	2'	160 Satellite	Blvd, Suite 450, GA
and listed in this rep ensure the accuracy of	port. The user is responsible of the input and the applicability	to / to							A 14 Unior Nashville,	TN 37219	UUU	88	38-613-5078	3
the actual conditions component is intended	of the structure for which t d. This analysis is valid only for	this the							(888) 820 www.lpco	-0325 rp.com			1	
product listed. Copyright 2019 All rig	hts reserved by Louisiana Pac	ific							APA: PR-	L280, ICC-ES:	ESR-2403,	,	E	
Corp. 414 Union St Su	ite 2000, Nashville, TN 37219					Thi 10/	s design is vali 31/2021	d until	LAUDO: F	20100, FIOR	⊿a. i"∟1522		U.S. 1	LUMBER
												_		

r	-	Client	94 Lumbor [	avottovillo	#2207	Date	. 1/2//	2020		Page 2 of 2
-		Project:	CI 3145 GI -		#2307	Inpu	tbv: Kvlei	2020 Militzer		Fage 2 01 2
lis	Design	Address:				Job	Name: CL31	45 GL-CP		
	_					Proj	ect #: CL31	45 GL-CP		
HD2-A	LP-LSL 1.	55E 3.	500" X	9.250	)" - PASS	ED	Level: 2r	nd Fir		
1	2	5	4	6	7	8				
LP				1	LP					9 1/
	End Grain		6'		2 SF	PF End Grair				3 1/2"
<del> </del>			6'							
Continued fror ID	n page 1 Load Type	Location	Trib Width	Side	Dead 0.9	Live 1	Snow 1.15	Wind 1.6	Const. 1.25	Comments
	Bearing Length	0-3-8		_						
7	Part. Uniform	3-10-0 to 6-0-0		Тор	335 PLF	0 PLF	335 PLF	0 PLF	0 PLF	
8	Tapered Start	4-10-0		Тор	0 PLF	1 PLF	0 PLF	0 PLF	0 PLF	
	End	6-0-0			0 PLF	1 PLF	0 PLF	0 PLF	0 PLF	
	Self Weight				10 PLF					
Notes This component an geometry and other	alysis is based on the loads,						Manufac Louisian	a-Pacific Corp	2000	US Lumber 2160 Satellite Blvd, Suite 450, G/ 30097
and listed in this re ensure the accuracy of the actual conditions	port. The user is responsible to of the input and the applicability to s of the structure for which this d This analysis is valid only for the						414 Unio Nashville (888) 82	71 Street, Suite 2 e, TN 37219 0-0325	:000 {	888-613-5078
component is intended product listed. Copyright 2019 All ric Corp. 414 Union St Su	<ul> <li>unis analysis is valid only for the ghts reserved by Louisiana Pacific uite 2000, Nashville, TN 37219</li> </ul>				This de 10/31/2	esign is valid ur 2021	ntil www.lpca APA: PR LADBS:	orp.com -L280, ICC-ES: RR-25783, Flori	ESR-2403, da: FL15228	U.S. LUMBER
Version 20 20 002	Doworod by iCtructTM									

Version 20.20.002 Powered by iStruct

CSD BUILD

		(	Client:	84 Lumber	-Fayetteville #2	2307	Da	te: 1	/24/2020				Page 1 of 2
<b>T</b> ie	Docign	F	Project:	CL3145 G	L-CP		Inp	utby: K	yle Militzer				
	Design	,	Address:				JOI	viect #: C	L3145 GL-0	2P 2D			
		4 665	2		0.050			Leve	: 2nd Flr	55			
HD4-A	LP-LSL	1.55E	3.	500 X	9.250	- PA5	SED						
	5					4			= 10 =	]			
	5								1 T				
	2												
1		6			7		8		11	1			
	V									1			
	The second s				al Marine								9 1
NA TRANSPORT		- share				Caroline Second Art of the second							
	End Grain							2 SPF End	l Grain	]			,
				6'10	"			2 OF 1 End	,	ł			2 1/2"
4				6 10									3 1/2
1				6'10	"					]			
Member In	formation						Reaction	s PATTER	RNED Ib	(Uplif	ft)		
Туре:	Girder		Applica	ation:	Floor		Brg	Live	Dead		Snow	Wind	Const
Plies:	1		Design	n Method:	ASD		1	1589	1990		1230	0	0
Moisture Con	dition: Dry		Buildin	g Code:	IRC 2012		2	1589	1990		1230	0	0
Deflection LL:	360		Load S	Sharing:	No Not Observed								
	240 Normal		Deck:		NOT Checked								
Temperature:	Temp <= 100°	F											
General Load							Bearings						
Floor Live:	40 PSF						Bearing	Length	Cap. R	eact D	/L lb Tot	al Ld. Case	Ld. Comb.
Dead:	10 PSF						1 - SPF	3.000"	45%	1990/2	2114 410	)4 L	D+0.75(L+S)
							End						
Analysis Re	sults			0 1				3.000"	45%	1990 / 2	2114 410	)4 L	D+0.75(L+S)
Analysis	Actual	Location A		Capacit	y Comp.	Case	End						
Shoor	2414 lb	11 1/2" 8	10127 IL-ID	0.394 (3	5%)D+L 7%)D+I		Grain						
	0.062 (1/1250)	3'5" (	) 215 (I /36	0.270 (2 0) 0.290 (2	9%) I	1							
TI Defl inch	0.104 (L/749)	3'4 1/2" (	).323 (L/24	0) 0.320 (3)	2%) D+L	L							
	0.101 (2,110)	01112	5.020 (L/2 )	(0) 0.020 (0	2,0) 0.2		1						
1 Provide lat	eral support to prever	nt rotation at	end hearir	nas and at in	terior bearings	when	4						
required by	code for seismic des	sign.		igo and at in	terior bearings	WIICH							
2 Dead Load	Deflection: Instant =	0.042", Long	g Term = 0	.062"									
4 Top braced	at bearings.		bollom ec	ige only.									
5 Bottom bra	ced at bearings.												
ID	Load Type	L	ocation	Trib Width	Side	Dead 0.9	Live 1	Snow 1.	.15 Wir	nd 1.6	Const. 1.2	5 Commer	nts
1	Part. Uniform	0-0-0 t	to 0-7-10		Тор	360 PLF	0 PLF	360 F	۲LF	0 PLF	0 PL	F	
2	Tapered Start		0-0-0		Тор	0 PLF	1 PLF	0 P	۲LF	0 PLF	0 PL	F	
	End		1-5-13			0 PLF	1 PLF	0 F	۲LF	0 PLF	0 PL	F	
3	Part. Uniform	0-0-0 t	to 6-10-0		Тор	116 PLF	464 PLF	0 P	۲LF	0 PLF	0 PL	F	
4	Part. Uniform	0-0-0 t	to 6-10-0		Тор	96 PLF	0 PLF	0 P	۲LF	0 PLF	0 PL	F Wall Self	Weight
5	Point		0-9-2		Тор	1080 lb	0 lb	1080	) lb	0 lb	01	b Header C	Column
-	Bearing Length		0-3-8										
6	Tapered Start		1-5-13		Тор	0 PLF	1 PLF	0 P	°LF	0 PLF	0 PL	F	
Continued on pa	ige 2				· F	- • -•					5. E		
	~												
ļ								Man	ufacturer In	fo		LIS Lumber	
Notes This component an	alysis is based on the loa	ads,						Loui	siana-Pacific	Corp		2160 Satellite	e Blvd, Suite 450, G
geometry and other and listed in this re	port. The user is responsible	iser to						414 Nasi	Union Street hville. TN 373	, Suite 20 219	000	30097 888-613-507	'8
the actual conditions component is intende	a of the structure for which d. This analysis is valid only for	this the						(888	8) 820-0325	-			
product listed. Copyright 2019 All rid	ghts reserved by Louisiana Pa	cific						APA	: PR-L280, I	CC-ES: E	SR-2403,	£	
Corp. 414 Union St S	uite 2000, Nashville, TN 37219					Thi 10/	s design is valid u 31/2021	until	סס: KR-2578	os, ⊢iorid	a. ⊢∟15228	11.5	LUMBER
Version 20 20 002	Powered by iStruct™					10/							

Version 20.20.002 Powered by iStruct<sup>T</sup>

CSD BUILD



		CI	ient:	84 Lumber-	-Fayetteville #2	307	D	ate:	1/24/2	020				Page 1 of 2
		Pr	oject:	CL3145 GL	-CP		In	put by:	Kyle M	lilitzer				
IS	Design	Ac	dress:				Jo	b Name	: CL314	5 GL-CP				
							P	roject #:	CL314	5 GL-CP				
HD2-B	LP-LSL	1.55E	3.	500" X	9.250"	' <b>- PAS</b>	SED	L	evel: 2nd	l Flr				
1														
			8		9		11							
2 1	5	6		7				10						
3 4	2 3	0	1	1										
								40						
		1			<b>↓</b>		↓	12						
LP						.P								
	Collector .		-		alt in the			-						91/4
A SHORE SHO	and the second se				Barris and an and a second									
1 SPF E	nd Grain					2	SPF End Gr	ain						
				6'					•					3 1/2"
/				6'					•					
•				-										
Manshert							Deset		TERNIS					
	Cirdor		Applic	ation:	Floor		Reaction		IEKNE	ע <b>ומ (Upl</b> i סול	nπ)		\A/in d	Const
rype: Plies:	Girder 1		Applica	Method <sup>.</sup>	ASD			LIVE		Jeau 1944	0110W		DIIIVV	Const
Moisture Conc	lition: Drv		Buildin	g Code:	IRC 2012			1220		2854	1881		0	0
Deflection LL:	360		Load S	Sharing:	No		2	1200		2004	1001		0	0
Deflection TL:	240		Deck:	Ū	Not Checked									
Importance:	Normal													
Temperature:	Temp <= 100	°F												
General Load							Bearing	S						
Floor Live:	40 PSF						Bearing	Length	C	ap. React [	)/L lb	Total	Ld. Case	Ld. Comb.
Dead:	10 PSF						1 - SPF	3.000"	4	1% 1944 /	1804	3748	L	D+0.75(L+S)
Analysis Po							Grain							
		Location Al	lowed	Canacity	/ Comb	Case	2 - SPF	3.000"	5	6% 2854 /	2333	5188	L	D+0.75(L+S)
Moment	4869 ft-lb	3'3 11/16" 10	1000eu	0 481 (48	7 Comb. 3%) D+I	l	End							
Shear	3481 lb	5' 1/2" 10	177 lb	0.342 (34	1%) D+0 75(I +	-S) I	Grain							
LL Defl inch	0.054 (L/1257)	3' 11/16" 0."	188 (L/36	io) 0.290 (29	9%) 0.75(L+S)	-, - L								
TL Defl inch	0.115 (L/589)	3'1" 0.3	281 (L/24	0) 0.410 (41	%) D+0.75(L+	S) L								
Decign Not	•••••				,	-,-	1							
1 Provide late	eral support to preve	ent rotation at e	nd bearir	ngs and at int	erior bearings	when	4							
required by	code for seismic de	esign.		·g- ····	g-									
2 Dead Load	Deflection: Instant =	= 0.061", Long	Term = 0	.091" Igo oply										
4 Top braced	at bearings.			ige only.										
5 Bottom brac	ced at bearings.													
ID	Load Type	Lo	ocation	Trib Width	Side	Dead 0.9	Live	1 Sno	w 1.15	Wind 1.6	Const	. 1.25	Commer	nts
1	Part. Uniform	0-0-0 t	o 5-4-8		Тор	360 PLF	0 PL	F 3	60 PLF	0 PLF		0 PLF		
2	Part. Uniform	0-0-0 t	o 6-0-0		Тор	96 PLF	0 PL	F	0 PLF	0 PLF		0 PLF	Wall Self	Weight
3	Tapered Start		0-0-0		Тор	0 PLF	1 PL	F	0 PLF	0 PLF		0 PLF		
	End		0-2-14			0 PLF	1 PL	F	0 PLF	0 PLF		0 PLF		
4	Part. Uniform	0-0-0 to 0	)-10-14		Тор	96 PLF	384 PL	F	0 PLF	0 PLF		0 PLF	J4	
5	Tapered Start		0-2-14		Тор	0 PLF	1 PL	F	0 PLF	0 PLF		0 PLF		
	End		1-9-14			0 PLF	1 PL	F	0 PLF	0 PLF		0 PLF		
6	Part. Uniform	1-1-14 to	2-5-14		Тор	113 PLF	426 PL	F	0 PLF	0 PLF		0 PLF	J4	
Continued on pa	ge 2													
· · ·	-													
Nete									Manufact	urer Info			S Lumber	
NOTES This component and	alysis is based on the le	oads,						ŀ	Louisiana	Pacific Corp		2	160 Satellite	e Blvd, Suite 450, GA
geometry and other c and listed in this rep	onditions as entered by the ort. The user is responsib	user le to							414 Union Nashville	Street, Suite 2 TN 37219	2000	3	0097 88-613-507	8
ensure the accuracy of the actual conditions	of the input and the applicabil of the structure for which This analysis is valid only for	ity to this or the							(888) 820-	0325		Ĕ		
product listed.	hts reserved by Louisians D	acific							www.ipcor APA: PR-L	p.com 280, ICC-ES:	ESR-240	3,	1	
Corp. 414 Union St Su	ite 2000, Nashville, TN 37219	)				Thi	is design is valio	l until	LADBS: R	R-25783, Flori	da: FL15	228		
						10/	51/2021						0.5.	LOMBER

lis	Design	Client: Project: Address:	84 Lumber-F CL3145 GL-	Fayetteville #230 CP	7	Date Inpu Job Proje	e: 1/2 t by: Ky Name: CL ect #: CL	4/2020 le Militzer 3145 GL-CP 3145 GL-CP		Page 2 of 2
HD2-B	LP-LSL 1	.55E 3.	500" X	9.250" -	PASS	SED	Level:	2nd Flr		
3 4	2 5 6	8	7	9			0			
LP					P	¥				9
	End Grain		6'		2 S	PF End Grair				3 1/2"
∤			6'				$\rightarrow$			
Continued from	m page 1									
ID	Load Type	Location	Trib Width	Side D	)ead 0.9	Live 1	Snow 1.1	5 Wind 1.6	Const. 1.25	5 Comments
7	Tapered Start	1-9-14		Тор	0 PLF	1 PLF	0 PL	F 0 PLF	0 PLF	_
	End	5-11-8		-	0 PLF	1 PLF	0 PL	F 0 PLF	0 PLF	
8	Part. Uniform	2-1-2 to 3-5-2		lop 	106 PLF	319 PLF	0 PL	F OPLF	0 PLF	- J4
9	Point	3-11-12		Гор	681 lb	906 lb	0	b 01b	0 16	D FB4 FB4
10	Bearing Length	0-3-8		<b>T</b>	400 DI E		0.01			- 1-
10	Part. Uniform	5-3-8 to 6-0-0		т	120 PLF	349 PLF	0 PL	F UPLF	0 PLF	- 15
11	Point	5-6-0		Тор	1080 lb	0 D	1080	di U d	0 10	Header Column
10	Bearing Length	0-3-8		<b>T</b>			0.01			-
12	lapered Start	5-11-8		Гор	0 PLF	1 PLF	0 PL	F OPLF	0 PLF	-
	End	6-0-0			0 PLF	1 PLF	0 PL	F 0 PLF	0 PLF	:
Notes This component an	halysis is based on the loads,						Manu Louisi	facturer Info ana-Pacific Corp		US Lumber 2160 Satellite Blvd, Suite 450, 0
geometry and other and listed in this re ensure the accuracy the actual condition	sport. The user is responsible to of the input and the applicability to so of the structure for which the						414 U Nashv	nion Street, Suite : /ille, TN 37219 820-0325	2000	888-613-5078
component is intende product listed. Copyright 2019 All rig Corp. 414 Union St S	d. This analysis is valid only for the ghts reserved by Louisiana Pacific uite 2000, Nashville, TN 37219				This c 10/31	design is valid un	APA:	pcorp.com PR-L280, ICC-ES: S: RR-25783, Flori	ESR-2403, da: FL15228	

		Client:	84 Lumber-	Fayetteville #2	307	Date	e: 1/2	4/2020		Page 1 of 2
	Design	Project:	CL3145 GL	-CP		Inpu	ut by: Ky	le Militzer		
	Design	Address:				Job	Name: CL	3145 GL-CP		
			750" V 4	<u>c 000"</u>	2 Db		lect #: CL	2nd Flr		
Г 04-А	LP-LVL 2900	FD-2.0E	./50 A 1	0.000	2-Piy -	PASSEL	,	2.1.4 1 1		
		5								
		2				6		7		8
LP	LP		LP	alt in the	LP		LP		LP	1'4"
	Croin	and the second s				Service Strength			~	
	Grain								2	
				22'8 1/8						3 1/2"
∤───				22'8 1/8						
Mombor In	formation					Postions		NED Ib (Un	lift)	
Type:	Girder	IqqA	cation:	Floor		Bra	Live	Dead	Snow	Wind Const
Plies:	2	Desi	gn Method:	ASD		1	1324	1036	0	0 0
Moisture Con	dition: Dry	Build	ing Code:	IRC 2012		2	906	681	0	0 0
Deflection LL:	360	Load	Sharing:	No						
Deflection TL:	240	Deck		Not Checked						
Importance:	Normal	_								
General Load	1emp <= 1001	-				Bearings				
Floor Live:	40 PSF					Bearing I	enath	Cap React	D/L lb Tot	al Id Case Id Comb
Dead:	10 PSF					1 - SPF 1	.750"	51% 1036	/ 1324 230	50 L D+L
						End				
Analysis Re	sults					Grain	) 275"	AE0/ 60/	1/006 15	
Analysis	Actual I	ocation Allowed	Capacity	Comb.	Case	2-5PF 2	2.375	43% 00	1/900 150	
Moment	14732 ft-lb	7'2 1/8" 34636 ft-	b 0.425 (43	%) D+L	L					
Shear	2299 ID	1'4 7/8" 10640 lD	0.216 (22	%) D+L %) I	L					
TL Defl inch	0.292 (L/924)	10'6" 1 124 (L/	240) 0.390 (39)	%) D+I	1					
	0.323 (£/313)	100 1.124 (L/	240) 0.470 (47	/0) D · L	L	4				
1 Provide lat	eral support to preven	t rotation at end bea	rings and at inte	arior bearings	when	4				
required by	code for seismic des	ign.	nings and at inte	anor bearings	Wilen					
2 Dead Load	Deflection: Instant =	0.231", Long Term =	0.347"							
4 Multiple pli	es must be fastened to	ogether as per man	ifacturer's detail	s.						
5 Top loads r	must be supported eq	ually by all plies.								
6 Top must b 7 Bottom bra	e laterally braced at a ced at bearings	maximum of 10'1 1	/8" o.c.							
ID	Load Type	Location	Trib Width	Side	Dead 0.9	Live 1	Snow 1.1	5 Wind 1.6	Const. 1.2	5 Comments
1	Tie-In	0-1-12 to 7-4-9	0-7-5	Тор	10 PSF	40 PSF	0 PS	F 0 PSF	0 PS	F
2	Part. Uniform	3-9-4 to 7-1-4		Тор	30 PLF	120 PLF	0 PL	F 0 PLF	0 PL	F
3	Point	7-2-2		Near Face	886 lb	916 lb	0	lb 0.lh	01	b FB2
4	Point	7_2_19		Top	34 lh	0.1b	0	lb nir	, <u> </u>	b Partition Wall Self Weight
	Bearing Length	0_3_8			0110	010	0		01	
5	Point	7_2_19		Top	45 lb	0 lb	٥	lb nır	) <u>(</u>	b Partition Wall Self Weight
5	Bearing Longth	0.20		, op	40 10	מוס	0		. 01	
Continued on pa	age 2	0-3-0								
	<u> </u>									
Notes							Manu	facturer Info		US Lumber
This component an geometry and other	alysis is based on the loa conditions as entered by the us	ds, ser					Louisi 414 I	ana-Pacific Corp nion Street. Suite	2000	2 100 Satellite Blvd, Suite 450, GA 30097
and listed in this re ensure the accuracy the actual condition	port. The user is responsible of the input and the applicability s of the structure for which the	to to					Nash	/ille, TN 37219		888-613-5078
component is intende product listed.	d. This analysis is valid only for	he					(000) www.	pcorp.com	ESD 0400	
Copyright 2019 All rig Corp. 414 Union St S	ghts reserved by Louisiana Pac uite 2000, Nashville, TN 37219	ific			Thi	s design is valid u	ntil APA:	S: RR-25783, Flo	rida: FL15228	
					10/	31/2021	<u> </u>			U.S. LUMBER



CSD DESIGN BUILD

		(	Client:	84 Lumber-F	ayetteville #2	2307	D	ate:	1/24/2020				Page 1 of 2
		F	Project:	CL3145 GL-0	CP		Ir	nput by:	Kyle Militz	er			
IS	Design	ŀ	Address:				Jo	ob Name	: CL3145 G	L-CP			
							P	roject #:	CL3145 G	L-CP			
FB3-A	LP-LVL 290	0Fb-2.0	E 1.7	750" X 10	6.000"	2-Ply -	PASSE	D	Level: 2nd Flr				
					40								
1	4	6		9	10								
		5											
		2											
		W		W	Y								$\Pi \uparrow$
													MM
LP			LP										1'4"
1	a state	- ININ A		The second s	N. S. I.								/WN
	E			2									
				Z									
2 15/16"		6'9"			{								3 1/2"
I ∤		6'11 15/16"	1		/								
		210,10											
Member In	formation						Reaction	ns PAT	TERNED I	b (Uplift)			
Туре:	Girder		Applica	tion: F	loor		Brg	Live	e Dea	d Snow		Wind	Const
Plies:	2		Design	Method: A	SD		1	1863 (-1	) 31	5 0 (-180)		0	0
Moisture Cond	dition: Dry		Building	g Code: I	RC 2012		2	2257 (-3	) 43	5 0 (-208)		0	0
Deflection LL:	360		Load SI	haring: N									
Deflection IL:	240 Normal		Deck:	r	lot Checked								
Temperature:	Temp <= 10	∩°⊏											
General Load	Temp <= 100	UF					Bearing	s					
Floor Live:	40 PSF						Bearing	l enath	n Can	React D/L lb	Total	I d Case	Id Comb
Dead:	10 PSF							5 500"	27%	315 / 1863	2178		D+I
	-							3 500"	52%	435 / 2257	2692	, , _	D+I
Analysis Re	sults						2-011	0.000	0270	100 / 2201	2002		<u> </u>
Analysis	Actual	Location A	Allowed	Capacity	Comb.	Case	1						
Moment	3742 ft-lb	3'8 1/4" 3	34636 ft-lb	0.108 (11%	) D+L	_L							
Shear	2829 lb	5'5 5/16" 1	10640 lb	0.266 (27%	5) D+L	_L							
LL Defl inch	0.016 (L/4693)	3'7 13/16" (	0.210 (L/360	0.080 (8%)	L	LL							
TL Defl inch	0.019 (L/4046)	3'7 7/8" (	).315 (L/24)	0.060 (6%)	D+L	LL							
LL Cant	-0.001	Lt Cant (	0.200	0.006 (1%)	L	LL							
	(2L/5024)	(	2L/360)										
TL Cant	-0.001	Lt Cant (	).300 (21/360)	0.005 (0%)	D+L	LL							
	(22/4040)	(	22/000)				1						
Design Not	es	ant rotation at		no one of inter		ula a a	4						
required by	code for seismic d	ent rotation at esign.	end bearin	gs and at inter	for bearings	when							
2 Dead Load	Deflection: Instant	= 0.003", Long	g Term = 0.	004"									
3 Girders are	designed to be su	pported on the	bottom ed	ge only.									
4 Multiple plie	es must be fastened	d together as p	per manufa	cturer's details									
6 Bottom bra	ced at bearings.												
ID	Load Type	L	ocation	Trib Width	Side	Dead 0.9	Live	1 Sno	w 1.15 V	Vind 1.6 Cons	t. 1.25	Comment	is
1	Point		0-3-4		Far Face	43 lb	170	lb	0 lb	0 lb	0 lb	J4	
2	Part Uniform	0_10_7 +	n 4-10-7		Near Face	_27 DI E	100 DI	F		0 PLF	이미디	-	
		0-10-71	1 40 7		For For	-21 FLF	100 FL	 Ih				и	
3	Point		1-10-7		⊢ar ⊦ace	180 lb	7201	a	al u	al u	Ulb	J4	
4	Point		1-10-7		Near Face	0 lb	01	lb	-134 lb	0 lb	0 lb	J1	
5	Part. Uniform	3-1-9 t	to 4-5-15		Far Face	187 PLF	749 PL	F	0 PLF	0 PLF	0 PLF		
Continued on pa	ige 2												
								ľ	Manufacturer	Info	1	JS Lumber	
Notes This component an	alysis is based on the	loads,						ŀ	Louisiana-Pac	- ific Corp		2160 Satellite	Blvd, Suite 450, GA
geometry and other of and listed in this re	conditions as entered by the port. The user is responsi	e user ble to							414 Union Stre	eet, Suite 2000	3	30097 388-613-5078	1
ensure the accuracy of the actual conditions	of the input and the applicable of the structure for which the applicable is valid activity	hity to this for the							(888) 820-032	5	F		
product listed.		Pacific							APA: PR-L280	, ICC-ES: ESR-24	03,		
Corp. 414 Union St St	ite 2000, Nashville, TN 3721	9				Thi	s design is valio	d until	LADBS: RR-2	5783, Florida: FL15	5228		
						10/	31/2021					U.S. L	UMBER

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		Client <sup>.</sup>	84 Lumber-F	avetteville #2	307	Date	· 1/24	2020			Page 2 of 2
2		Project:	CL3145 GL-	CP		Inpu	tbv: Kvle	Militzer			1 490 2 01 2
1	isDesign	Address:				Job	Name: CL3	145 GL-CP			
- ÷						Proje	ect #: CL3	145 GL-CP			
FB3-A	LP-LVL 2900F	b-2.0E 1.	750" X 1	6.000"	2-Plv -	PASSED	Level: 2	nd Flr			
				0.000	<b>-</b> ,	I AOOLD					
	Γ										
1	4	6	9	10							
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V	<b>W</b>	Y	W	V							
											MM
LP		LP									1'4"
1 Contraction	and the set	a site of the sub-products to be		alter a							////
	SPE										
			2								
2 15/16"		6'9"									3 1/2"
	6'	11 15/16"		/							
				I							
Continued	from page 1										
		Location	Trib Width	Side	Dead 0.0	Live 1	Snow 1 15	Wind 1 6	Const 1 2	5 Commo	ents
	Loau Type	2 10 7		Noor Food	Deau 0.9		3110W 1.15		001151. 1.20		1115
0	Point	3-10-7			di U	-2 ID	-123 10	di U	010	) JI	
7	Point	5-8-14		Far Face	161 lb	566 lb	0 lb	0 lb	0 18	o J4	
8	Point	5-10-7		Near Face	-59 lb	391 lb	0 lb	0 lb	0 18	o J1	
9	Point	5-10-7		Near Face	0 lb	-2 lb	-131 lb	0 lb	0 18	5 J1	
10	Point	6-8-1		Far Face	166 lb	453 lb	0 lb	0 lb	0 18	o J4	
	Self Weight				16 PLF						
Notes							Manufa	cturer Info		US Lumber	to Rhyd Suite 450, 04
This componen geometry and of	nt analysis is based on the loads, other conditions as entered by the user						Louisiar 414 Uni	a-Pacific Corp	2000	2100 Satelli 30097	ie bivu, Suite 450, GA
and listed in th ensure the accur	his report. The user is responsible to pracy of the input and the applicability to						Nashvil	e, TN 37219		888-613-50	78
component is inte product listed	tended. This analysis is valid only for the						(888) 82 www.lpc	corp.com	[		
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Corp. 414 Union	or oure 2000, Mastiville, TN 37219				This 10/3	s design is valid un 31/2021	u			u.s.	LUMBER



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