

September 30, 2020

John Turner U.S. Lumber 3312 North Berkeley Lake Road Duluth, GA 30096

Client:	84 Lumber – Fayetteville, NC
Project:	Caviness Land – CL2302 CP GL
Address:	114 Silk Oak Drive, Bunnlevel, NC

TO WHOM IT MAY CONCERN:

I have reviewed attached Design Reports created by U.S. Lumber for the client and project listed above. These member calculations for Louisiana-Pacific joists and/or beams were prepared using the isDesign[™] software package based on design information and conditions provided by the client.

Each report reflects the LP product, depth, and size that can structurally support the loads shown. My professional engineer's seal on this letter verifies that the analyses presented conform to accepted engineering practices and use code-accepted product design values.

My review is limited to the building components shown in these reports. I have not verified the applicability of components with the project plans or jobsite conditions. All notes and design load information shown in these reports should be reviewed with the building designer and/or the local code official to ensure that the loads, spans, and other conditions are correct and acceptable for the specific application. Verification of end use conditions is the responsibility of the building designer and/or local code official.

Alternate materials shall not be substituted for the products shown on the attached isDesign[™] reports. Product substitution renders my review null and void.

This PDF document containing a cover letter and attached design reports has been digitally signed, dated and certified as indicated by my seal and signature below and a certification banner when viewed electronically. A printed copy of this electronic document is suitable for archival purposes but it is not considered to be an original signed, dated, and sealed document.

Sincerely,

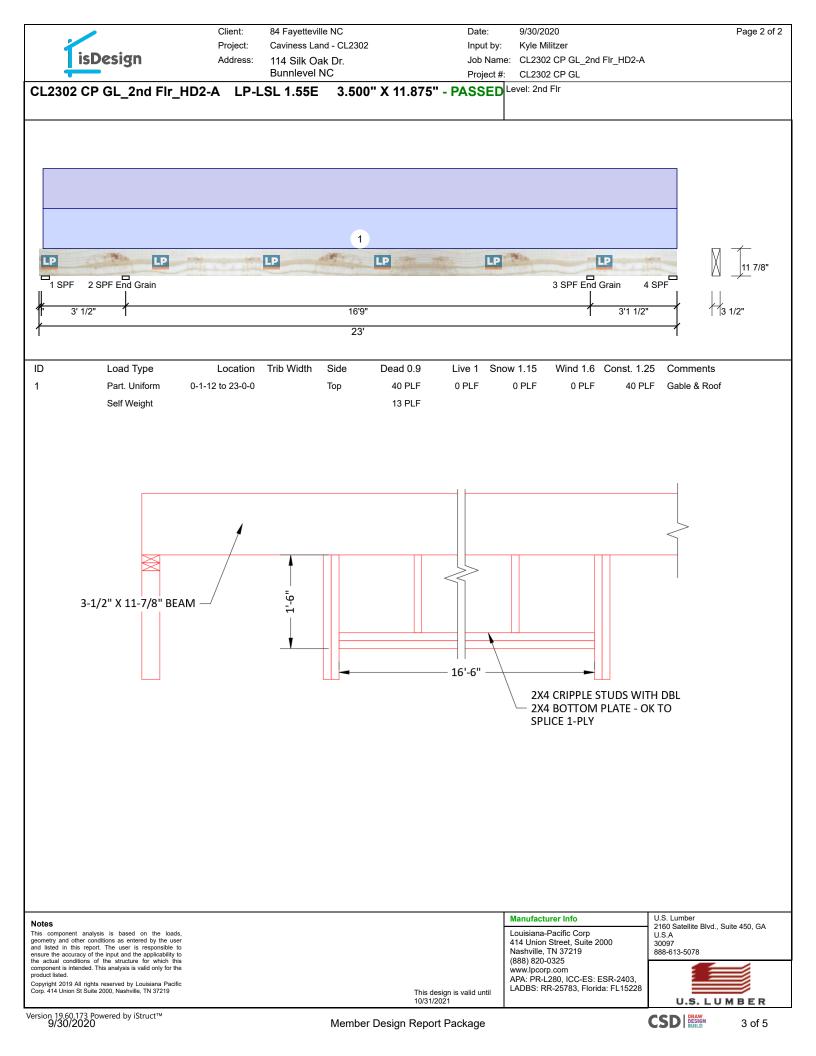


Glyn R. Boone, P.E. Owner/Principal Myer Hill Consulting NC PE# 17046 - NC COA# P-1898

Attachments: Member Design Reports dated 09/30/2020 (5 pages total – including this cover letter).

Myer Hill Enterprises LLC ♦ 444 Myer Terrace ♦ Leola, PA 17540 www.myerhill.com ♦ 717-413-1832 ♦ glynboone@myerhill.com

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	Version 19.60.173 9/30/2020	Powered by iStruct™)			Member De	sign Report	Package				2 of 5



	•		lient:	84 Fayettev			Date		9/30/2020				Page 1
Tic	Design		roject: ddress:	Caviness La 114 Silk O	and - CL2302		-	-	Kyle Militzer CL2302 CP G	l 2nd F			
			uuress.	Bunnlevel					CL2302 CP G	_	II_1102-A		
CL2302 CI	P GL_2nd Fli	′_HD1-A	LP-L	SL 1.55E	3.500	" X 9.250	" - PASSI		el: 2nd Flr				
3	52		4	1		6							
LP			- 四										
1 SPF E	nd Grain						2 SPF	End Grai	n				
1				6'6" 6'6"									∫
lember Inf	ormation						Reactions	UNPA	TTERNED	lb (Up	olift)		
Туре:	Girder		Applica		Floor		Brg	Live	Dead	S	now	Wind	Const
Plies:	1				ASD		1 9	923 (0)	1496		0	0	975
Moisture Cond				0	IBC/IRC 2015		2 9	23 (-6)	1496		0	0	975
Deflection LL: Deflection TL:	360 240		Load S Deck:	0	No Not Checked								
Importance:	Normal		Deck.										
Temperature:	Temp <= 100°	Ϋ́F											
General Load							Bearings						
Floor Live:	40 PSF						Bearing L	ength	Cap. R	eact D/L	lb Tota	l Ld. Case	e Ld. Comb.
Dead:	10 PSF						1-SPF 3	-	32%	1496 / 14	424 292	0 Uniform	D+0.75(L+C
							End						
nalysis Res							Grain 2 - SPF 3	2 000"	32%	1496 / 14	12/ 202	0 Uniform	D+0.75(L+C
Analysis	Actual	Location A		Capacity		Case	End		52 /0	14307 1-	+2-4 232	o onnonn	D10.73(L10
Moment	3491 ft-lb		0127 ft-lb	0.345 (34		L	Grain						
Shear	1706 lb	5'6 1/2" 88		0.193 (19	,	L							
	0.048 (L/1525)				%) 0.75(L+C)			Bea	m OK	insta	alled h	nigh in	wall
I L Defi inch	0.099 (L/744)	3'3" 0.	.306 (L/24	0) 0.320 (32	%) D+0.75(L+	·C) Uniform			nder do				
esign Note													
required by 2 Dead Load	ral support to preve code for seismic de Deflection: Instant = designed to be supp	sign. : 0.051", Long	Term = 0.	.076"	erior bearings	when	fr fr	amır	-		o door on pag	-	ng per
4 Top braced	at bearings.			<u>g</u> =,									
5 Bottom brac D	ed at bearings. Load Type	17	ocation	Trib Width	Side	Dead 0.9	Live 1	Snow ²	1.15 Win	116 (Const. 1.25	Comme	nts
	Part. Uniform		to 6-6-0		Тор	300 PLF	0 PLF) PLF	300 PLF		
2	Part. Uniform		to 6-6-0		Тор	80 PLF	0 PLF) PLF	0 PLF		Weight
		0-0-0			•								
	Tapered Start		0-0-0		Тор	0 PLF	1 PLF				0 PLF		
	End Bort Uniform	0.0.0	0-7-8		Tor	0 PLF	1 PLF				0 PLF		
	Part. Uniform	0-0-01	to 6-6-0		Тор	70 PLF	283 PLF) PLF	0 PLF		
5	Tapered Start		0-7-8		Тор	0 PLF	1 PLF) PLF	0 PLF		
	End		2-7-8		_	0 PLF	1 PLF) PLF	0 PLF		
5	Tapered Start		2-7-8		Тор	0 PLF	1 PLF	0	PLF () PLF	0 PLF		
ntinued on pa	ge 2												
								Ma	nufacturer Inf			U.S. Lumber	
otes	lysis is based on the lo	ads.							uisiana-Pacific			2160 Satellite E	Blvd., Suite 450, GA
cometry and other co ind listed in this rep	onditions as entered by the ort. The user is responsible	user e to						41	4 Union Street,	Suite 200	00	U.S.A 30097	
nsure the accuracy of e actual conditions	f the input and the applicabili of the structure for which	ty to this						(88)	shville, TN 372 88) 820-0325	19	F	888-613-5078	
omponent is intended. oduct listed.	. This analysis is valid only fo	r the							w.lpcorp.com A: PR-L280, IC	C-ES: ES	SR-2403,		
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rp. 414 Union St Sui							31/2021						LUMBER

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