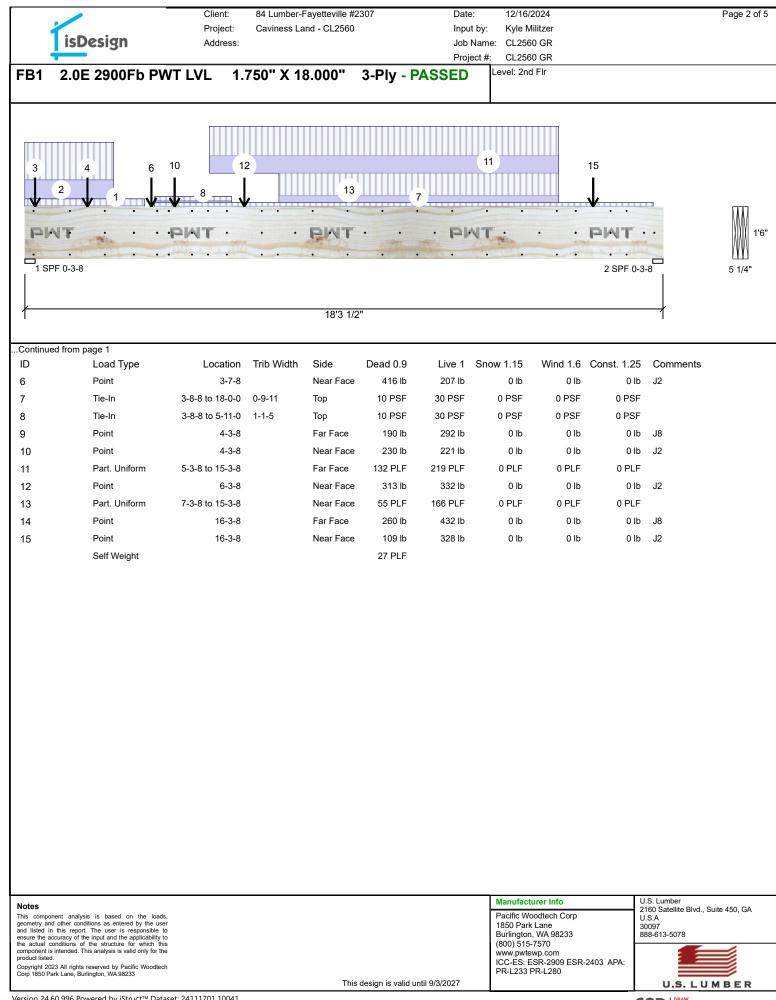
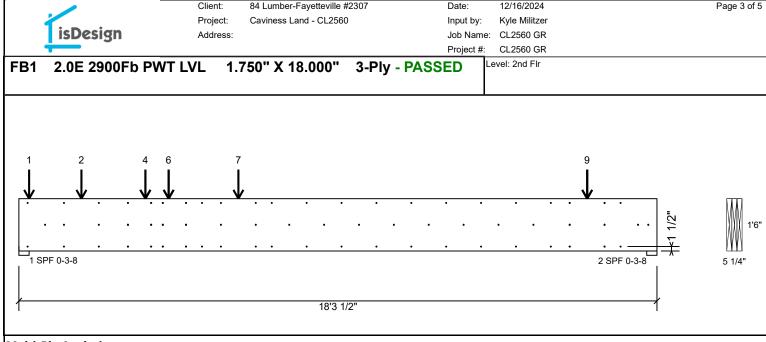
Ĩ	sDesign	F	Client: Project: Address:		-Fayetteville #2 and - CL2560	307		lnı Jo	ate: out by: b Name ect #:	12/16/20 Kyle Milit : CL2560 CL2560	tzer GR				Page 1 of 1
FB2	2.0E 2900F	b PWT	LVL	1.75	0" X 14	.000" -	PA			evel: 2nd Flr					
1	3	2													Π
	<b>.</b> 3-0 2	SPF 0-3-0													1'2"
	3'8"		7												
							<b>D</b>			TERNER					
Type:	nformation Girder		Applica	ation:	Floor		Brg		ction	TERNED Live		Dead	Snow	Wind	Const
Plies:	1			n Method:	ASD		1	Verti		592		194	0	0	0
Moisture Cor	ndition: Dry		Buildin	ig Code:	IRC 2021		2	Verti	cal	660		224	0	0	0
Deflection LL				Sharing:	No										
Deflection TL			Deck:		Not Checked										
Importance:	Normal - II	-													
Temperature		Έ					Boo	rings							
General Loa Floor Live:	d 40 PSF						<u> </u>	-					<b></b>		
Dead:	40 PSF 10 PSF							-	Length		•	eact D/L II		Ld. Case	Ld. Comb.
Deau.	10 FSF								3.000"	Vert	35%	194 / 59			D+L
Analysis R	esults						2-	SPF	3.000"	Vert	40%	224 / 66	0 884	L	D+L
Analysis		Location A	Allowed	Capacit	Comb.	Case	1								
Moment	944 ft-lb	2'1 1/4" 1			D+L	L									
Shear	518 lb		655 lb	11%	D+L	L									
	0.005 (L/8273)	2'1 1/4" 0			L	L									
	0.006 (L/6124)	2'1 1/4" 0	-		– D+L	L									
		2				-	ł								
Design No	upport to prevent later	al manuamant	and votati	on at the and	heeringe		4								
2 Dead Loa 3 Girders ar 4 Top must	d Deflection: Instant = re designed to be supp be laterally braced at ust be laterally braced	0.002", Long ported on the end bearings	g Term = 0 bottom eo	.003".	bearings.										
ID	Load Type	L	ocation	Trib Width	Side	Dead 0.9		Live 1	Sno	w 1.15	Wind 1.	6 Const.	1.25 Co	mments	
1	Tie-In	0-0-0	to 0-3-0	0-3-7	Тор	10 PSF		40 PSF	-	0 PSF	0 PS	= 0	PSF		
2	Part. Uniform	0-3-0	to 3-5-0		Тор	60 PLF	2	40 PLF	-	0 PLF	0 PL	= 0	PLF		
3	Tie-In	0-3-0	to 3-8-0	0-3-13 to 0-0-7	Тор	10 PSF		40 PSF	-	0 PSF	0 PS	= 0	PSF		
4	Point		2-1-4		Far Face	195 lb		465 lk	)	0 lb	01	b	0 lb J11		
	Self Weight					7 PLF									
Notes										Manufacture	er Info		U.S. Lu		- 450 01
This component a geometry and other and listed in this	analysis is based on the lo r conditions as entered by the report. The user is responsible y of the input and the applicabili	user e to								Pacific Wood 1850 Park La Burlington, V	ane		2160 Sa U.S.A 30097 888-613	atellite Blvd., Sui 8-5078	ite 450, GA
the actual conditio component is intend product listed. Copyright 2023 All	ns of the structure for which led. This analysis is valid only for rights reserved by Pacific Wood	this the								(800) 515-75 www.pwtewp ICC-ES: ESF	570 5.com R-2909 ES	R-2403 APA			
Corp 1850 Park Lan	e, Burlington, WA 98233				This	design is valid	until 9/	3/2027		PR-L233 PR	-LZ80			J.S. L U N	BER
Version 24.60.99	6 Powered by iStruct™ D	ataset: 241117	01.10041			J			I				CSD		

CSD DESIGN

Image: State of the s	1	Decise	Client: Projec	t: Caviness L	-Fayetteville #2 and - CL2560	2307	Inp	ate: out by:	12/16/202 Kyle Militz	zer				Page 1 of 5
B1         2.0E 2900Fb PWT LVL         1.750" X 18.000"         3.Ply - PASSED         Land: 2nd FF           3         4         0         0         13         7         1         15           3         4         0         0         12         7         1         15           9         10         12         13         7         1         15         15           1         10         12         13         7         1         15         15           1         10         12         13         7         10         15         16           1         10         12         10         12         10         <	IS	Design	Addre	SS:										
3       4       0       0       12       0       0       0         1       0	FB1 2.0	)E 2900Fb PV	VT LVL	1.750" X 1	8.000"	3-Ply -		<u>,</u>	evel: 2nd Flr	r				
3       4       0       0       12       0       0       0         1       0														
3       4       0       0       12       0       0       0         1       0														
Image: Service         California         California         California         California         California         Convertie	3	4 6	10	12				11			15			
1 SPF 0-3-3       2 SPF 0-3-3       0       5.14°         1 SPF 0-3-3         Section 1       Ope (Section 1: 1 SPF 0-3:10)         Section 1: 1 SPF 0-3:10         Section 1: 1 SPF 0-3:10       Ope (Section 1: 2 Verice)       Ope (Section 1: 1 SPF 0-3:10)       O	2		8		13		7							
1 SPF 0-3-3       2 SPF 0-3-3       0       5.14°         1 SPF 0-3-3         Section 1       Ope (Section 1: 1 SPF 0-3:10)         Section 1: 1 SPF 0-3:10         Section 1: 1 SPF 0-3:10       Ope (Section 1: 2 Verice)       Ope (Section 1: 1 SPF 0-3:10)       O	·	<b>V</b>	. <b>v</b>	• • •	· · ·	•		<u></u>	•	• •	<b>v</b>			
Bit 12"       Reactions PATTERNED Ib (Uplif)       System of the system	PMT	C. P. Mar	PMT	· · ·	PMT	•	·P	MT	*in	·	PWT			1'6'
Bit 12"       Reactions PATTERNED Ib (Uplif)       System of the system	1 SPF 0-3	-8		· · ·	S. CARRIER			•	•		•••• 2 SPF	0-3-8		∭ 5 1/4"
ember Information     Reactions PATTERNED Ib (Uplift)       type:     Grider     Application:     Floor       baskue Condition: Dry     Design Method:     ASD       baskue Condition: Dry     Duding Code:     RC 2021       baskue Condition: Dry     Duding Code:     RC 2021       baskue Condition: Dry     Design Method:     ASD       baskue Condition: Tamp <= 100°F														
Open         Grider         Application:         Floor         Design Method:         ASD           Hase:a         3         Design Method:         ASD         Building Code:         IRC 2021         Lacd Sharing:         2967         0         0           Jenection IL:         300         Design Method:         ASD         Building Code:         IRC 2021         Lacd Sharing:         Vertical         3390         2091         0         0           Jenection IL:         300         Deck:         Not Checked         Temperature:         1         Vertical         3390         2091         0         0           Stort Ver:         40 PSF         Deck:         Not Checked         Bearing Length         Total         Ld. Case         Ld         Commonic           Taylisis Results         Namayais         Actual         Location Allowed         Capacity Comb.         Case         Case         Net         L         L         2. SPF 3:500"         Vert         70%         2091 / 3300         5481 L         D+L         L           Stort Notes         19 Virti' 70%         0.48 (U615)         9' 116"         0.893 (U240)         2' o: 0. Maximum end         Astro 1a tag appendic appe	/				18'3 1/2	2"						$\longrightarrow$		
Open         Grider         Application:         Floor         Design Method:         ASD           Hase:a         3         Design Method:         ASD         Building Code:         IRC 2021         Lacd Sharing:         2967         0         0           Jenection IL:         300         Design Method:         ASD         Building Code:         IRC 2021         Lacd Sharing:         Vertical         3390         2091         0         0           Jenection IL:         300         Deck:         Not Checked         Temperature:         1         Vertical         3390         2091         0         0           Stort Ver:         40 PSF         Deck:         Not Checked         Bearing Length         Total         Ld. Case         Ld         Commonic           Taylisis Results         Namayais         Actual         Location Allowed         Capacity Comb.         Case         Case         Net         L         L         2. SPF 3:500"         Vert         70%         2091 / 3300         5481 L         D+L         L           Stort Notes         19 Virti' 70%         0.48 (U615)         9' 116"         0.893 (U240)         2' o: 0. Maximum end         Astro 1a tag appendic appe	Member Inf	formation					Reaction	ς ΡΔΤΊ		lh (Unlif	÷+)			
Modute Condition: Dry Beflection IL: 380 Betection IL: 380 Be	Туре:		A	oplication:	Floor						-	Snow	Wind	Cons
Defection LL:       360       Load Sharing: Yes       Deck:       Not Checked         Defection TL:       240       Mormal - II       Bearing       Emergination:       Not Checked         Brown Load       Yes       Deck:       Not Checked       Not Checked       Deck:       Not Checked         Bearing Length       Dir.       Cap. React D/L b       Total LL Case       Ld. Case       Ld. Case         Natysis       Actual       Location       Allowed       Capacity       Comb.       Case         Natysis       Actual       Location       Allowed       Capacity       Comb.       Case         Manysis       Actual       Location       Allowed       Capacity       Comb.       Case         Li       Definich       0.284 (L/16)       9'116''       0.893 (L/240)       39'h       D+L       L         Li       Definich       0.284 (L/16)       9'116''       0.893 (L/240)       39'h       D+L       L         Eign Notz       1       Drodic dastarter specification is in addition to hanger fasterers if a hanger is present.       5       Concentratel Dori Load Starter specification is in addition to hanger fasterers if a hanger is present.       5       Ordica Tasker specification is in addition to hanger fasterers if a hanger is present.       9 Dit	Plies:			-										
Deck:         Not Checked           mportance:         Normal - II           importance:         Temp <= 100^{-7}				-			2 Verti	cal	3390	209	91	0	0	
Promperature:       The pre-e 100°F         Sameral Load       10°PSF       Incort Live:       40°PSF         Dead:       10°PSF       Incort Live:       10°PSF       Incort Live:       10°PSF         Analysis       Actual       Location       Allowed       Capacity       Comb.       Case         Moment       27732 ft-b       8°       6570 stb       23%       D+L       L         2. SPF       3.500°       Vert       93%       2697 / 4287       7255 L       D+L         2. SPF       3.500°       Vert       93%       2697 / 4287       7255 L       D+L         2. SPF       3.500°       Vert       93%       2697 / 4287       7255 L       D+L         2. SPF       3.500°       Vert       70%       2091 / 3390       5481 L       D+L         2. SPF       3.500°       Vert       70%       2091 / 3390       5481 L       D+L         1. Definich       0.326 (/1031)       91 3/16°       0.596 (//2030)       55% L       L       L         1. Definich       0.348 (/L161)       11/16°       Samparia       L       L       L         estigg       70% 10° 0381 (/L1031)       91 3/16°       0.596 (/L003)	Deflection TL:			-										
Bearings L Bearing L S Bearing L Bearing Bearing L Bearing Be	Importance:													
Hor Live:       40 PSF         Dead:       10 PSF         Hardysis Results         Analysis Actual       Location Allowed       Capacity       Comb       Case         Mailysis Actual       Location Allowed       Capacity       Comb       Case         Moment       2732 hb       8° 65703 fb       42%       D+L       L         Shear       6337 lb       19 12/1 7955 lb       35%       D+L       L         LDefl inch       0.208 (L/1031)       9'1 3/16'       0.595 (L/360)       35%       L       L         The Defl inch       0.208 (L/1031)       9'1 1/16'       0.893 (L/240)       39%       D+L       L         esign Notes       1       Terroide support to prevent lateral movement and rotation at the end bearings.       2       Dead Load Deflociton: Instant = 0.14%.       3         3 rasten all ples using 3 rows of 16d Sinker Nalls (L48X3 22') at 12' o.c. Maximum end distance not to exceed 5'. Nall Tom both sides.       Concentrated form both sides.       Concentrated form both sides.       Concentrated form both sides.       Concentrated form both sides.       Exceed 5'. Nall F	Temperature:	Temp <= 100°F												
Bead:       10 PSF       1. SPF 3.500° Vert       93% 2957 / 4287       7255 L       D-L         Analysis Results         Analysis Actual       Location Allowed       Capacity Comb.       Case         Moment 27732.1b       8° 65703.1b       42% D+L       L         Shear       6337.1b       19' 13' 10' 0.595 (L/360) 35%       L       L         LiDeflinch       0.208 (L/1031)       9' 11' 6' 0.893 (L/240) 39%       D+L       L         LiDeflinch       0.348 (L/615)       9' 11' 6' 0.893 (L/240) 39%       D+L       L         Provide support to prevent lateral movement and rotation at the end bearinge.       2       2       2       Advance of 16G Sinker Nail (14&A/2.25') at 12' 0.0. Maximum end distance not to exceed 0'. Nail from beh sides. Clinch Nails where possible.       4       New 1.15       Wind 1.6       Const. 1.25       Comments         6 Griders are designed to be supported on equely by all piles.       8       Top load small set elarally braced at a maximum of 8'11 18° o.c.       9       40 PSF       0 PSF <td>General Load</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>Bearings</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>	General Load						Bearings							
1	Floor Live:	40 PSF					Bearing	Length	Dir.	Cap. Rea	ct D/L lb	Total	Ld. Case	Ld. Com
Analysis Results         Control Allowed Capacity Comb. Case         Analysis Actual Moment 2732 R-b. B 85 65703 R-b 4276 D-L L       L         Shear 6337 lb 19 1/2" 17955 lb 35% D-L L       L         L.Deflinch 0.208 (L/1031) 9'1 3/16" 0.595 (L/360) 35% L       L       L         Deflicich 0.208 (L/1031) 9'1 3/16" 0.595 (L/360) 35% L       L       L         Provide support to prevent lateral movement and rotation at the end bearings.       2       2         1 Provide support to prevent lateral movement and rotation at the end bearings.       2       2       148 Strong 11 (1483.257) at 12" o.c. Maximum end distance not to exceed 6". Nail from both sides. Clinch Nails where possible.       4       Refer to laterage or claculations for fasteners required for specified loads.         5 Concentrated load fastener specification is in addition to hanger fasteners if a hanger is present.       5       0       0       0       0       0       5       0	Dead:	10 PSF					1 - SPF	3.500"	Vert	93% 29	57 / 4297	7255	L	D+L
Analysis Actual Location Allowed Capacity Comb. Case Moment 27732 ft-b. 8° 65703 ft-b 42% D+L L Defilind 0.288 (L/301) 9° 13/16° 0.595 (L/360) 38% L L LDefilind 0.288 (L/315) 9° 13/16° 0.595 (L/360) 38% D+L L esign Notes 1 Provide support to prevent lateral movement and rotation at the end bearings. 2 Dead Load Deflection: Instant = 0.140°, Long Term = 0.21°. 3 Fasten all piles using 3 rows of 16d Sinker Nalls (148x3,25°) at 12° o.c. Maximum end distance not to exceed 6°. Nall from both sides. 5 Concentrated load fasteners required for specified baads. 5 Concentrated load fasteners required for specified baads. 5 Concentrated load fasteners required for specified baads. 5 Concentrated load fasteners required for specified baads. 9 Editorm must be laterally braced at a maximum of 8°11 18° o.c. 9 Editorm must be laterally braced at a maximum of 8°11 18° o.c. 9 D Load Type Location Trib Width Side Dead 0.9 1 Tie-In 0-0-0 to 3-5-0 1-1-5 Top 10 PSF 0 PSF 0 PSF 0 PSF 2 Part. Uniform 0-0-0 to 2-6-8 Near Face 146 PLF 284 PLF 0 PLF 0 PLF 3 Point 0-3-8 Far Face 76 lb 305 lb 0 lb 0 lb 0 lb J9 4 Point 1-9-8 Far Face 72 lb 486 lb 0 lb 0 lb 0 lb J8 5 Point 3-7-8 Far Face 529 lb 273 lb 0 lb 0 lb 0 lb J8 5 Point 3-7-8 Far Face 529 lb 273 lb 0 lb 0 lb 0 lb J8 5 Point 3-7-8 Far Face 529 lb 273 lb 0 lb 0 lb 0 lb J8 5 Point 3-7-8 Far Face 529 lb 273 lb 0 lb 0 lb 0 lb J8 5 Point 3-7-8 Far Face 529 lb 273 lb 0 lb 0 lb 0 lb J8 5 Point 3-7-8 Far Face 529 lb 273 lb 0 lb 0 lb 0 lb J8 5 Point 3-7-8 Far Face 529 lb 273 lb 0 lb 0 lb 0 lb J8 5 Point 3-7-8 Far Face 529 lb 273 lb 0 lb 0 lb 0 lb J8 5 Point 3-7-8 Far Face 529 lb 273 lb 0 lb 0 lb 0 lb 0 lb J8 5 Point 3-7-8 Far Face 529 lb 273 lb 0 lb 0 lb 0 lb 0 lb J8 5 Point 3-7-78 Wind PAR Far Face 529 lb 273 lb 0 lb 0 lb 0 lb 0 lb J8 5 Point 3-7-78 Wind PAR Far Face 529 lb 273 lb 0 lb 0 lb 0 lb J8 5 Point 3-7-78 Wind PAR Far Face 529 lb 273 lb 0 lb 0 lb 0 lb J8 5 Point 3-7-78 Wind PAR Far Face 529 lb 273 lb 0 lb 0 lb 0 lb 0 lb J8 5 Point 3-7-78 Wind PAR Far F	Analycic Po	cultc					2 - SPF	3.500"	Vert	70% 20	91 / 3390	5481	L	D+L
Moment       27732 ft-lb       8'8'       65703 ft-lb       42'8'       D+L       L         Shear       6337 lb       1'9 1'2'       1'7955 lb       35%       D+L       L         LD eff inch       0.208 (L/1031)       9'1 3/16'       0.595 (L/360)       35%       L       L         LD eff inch       0.208 (L/1031)       9'1 3/16'       0.695 (L/240)       39%       D+L       L         estimation of the subment and rotation at the end bearings.         Dead Load Defection: Instant - 0.140', Long Term = 0.211'.         A strain all ples using 3 rows of 16d Sinker Nails (148:0.257) at 12' o.c. Maximum end distance not to exceed 6''. Nailf mom both sides:         Obeal Load Dequality by all ples.         Somethis to supported on the bottom edge only.         Top load smuth be aterally braced at an maximum of 8'11 1'8' o.c.         Bottom mutube laterally braced at an maximum of 8'11 1'8' o.c.         Bottom inturbe laterally braced at an maximum of 8'11 1'8' o.c.         Bottom inturbe laterally braced at an maximum of 8'11 1'8' o.c.         Bottom inturbe laterally braced at an maximum of 8'11 1'8' o.c.         Bottom inturbe laterally braced at an maximum of 8'11 1'8' o.c.         Bottom inturbe laterally braced at an maximum of 8'11 1'8' o.c.			ocation Allow	ed Canacity	/ Comb	Case	7							
Share         6337 lb         19 1/2"         17955 lb         35%         D+L         L           LD eff inch         0.208 (L/1031)         91 3/16"         0.595 (L/360)         35%         L         L           esign         Notes	-			• •										
Labelf inch 0.208 (L/1031) 91 3/16" 0.595 (L/360) 35% L L L Deff inch 0.348 (L/615) 9'11/16" 0.893 (L/240) 39% D+L L esign Notes I Provide support to prevent lateral movement and rotation at the end bearings. 2 Dead Load Deflection: Instant = 0.140", Long Term = 0.211". 3 Pasten all plies using 3 rows of 16d Sinker Nails (148x3.25") at 12" o.c. Maximum end distance not to exceed 6". Nail from both sites where possible. 4 Refer to last page of calculations for fasteners required for specified loads. 5 Concentrated load fastener specification is in addition to hanger fasteners if a hanger is present. 6 Girders are designed to be supported equally by all plies. 8 Top must be laterally braced at a maximum of 8'11 1/8" o.c. 9 Detail Usad Type Location Trib Width Side Dead 0.9 1 Tie-In 0-0-0 to 3-5-0 1-1-5 Top 10 PSF 0 PSF 0 PSF 0 PSF 2 Part. Uniform 0-0-0 to 2-6-8 Near Face 146 PLF 284 PLF 0 PLF 0 PLF 0 PLF 3 Point 0-3-8 Far Face 122 Ib 486 Ib 0 Ib 0 Ib 0 Ib J9 4 Point 1-9-8 Far Face 529 Ib 273 Ib 0 Ib 0 Ib 0 Ib J8 5 Point 3-7-8 Far Face 529 Ib 273 Ib 0 Ib 0 Ib 0 Ib J8 5 Point 3-7-8 Far Face 529 Ib 273 Ib 0 Ib 0 Ib 0 Ib J8 5 Point 3-7-8 Far Face 529 Ib 273 Ib 0 Ib 0 Ib 0 Ib J8 5 Point 3-7-8 Far Face 529 Ib 273 Ib 0 Ib 0 Ib 0 Ib J8 5 Point 3-7-8 Far Face 529 Ib 273 Ib 0 Ib 0 Ib 0 Ib J8 5 Point 3-7-8 Far Face 529 Ib 273 Ib 0 Ib 0 Ib 0 Ib J8 5 Point 3-7-8 Far Face 529 Ib 273 Ib 0 Ib 0 Ib 0 Ib J8 5 Point 3-7-8 Far Face 529 Ib 273 Ib 0 Ib 0 Ib 0 Ib J8 5 Point 3-7-8 Far Face 529 Ib 273 Ib 0 Ib 0 Ib 0 Ib J8 5 Point 3-7-8 Far Face 529 Ib 273 Ib 0 Ib 0 Ib 0 Ib J8 5 Point 3-7-8 Far Face 529 Ib 273 Ib 0 Ib 0 Ib 0 Ib J8 5 Point 3-7-8 Far Face 529 Ib 273 Ib 0 Ib 0 Ib 0 Ib J8 5 Point 3-7-8 Far Face 529 Ib 273 Ib 0 Ib 0 Ib 0 Ib J8 5 Point 3-7-8 Far Face 529 Ib 273 Ib 0 Ib 0 Ib 0 Ib J8 5 Point 3-7-8 Far Face 529 Ib 273 Ib 0 Ib 0 Ib 0 Ib J8 5 Point 3-7-8 Far Face 529 Ib 273 Ib 0 Ib 0 Ib 0 Ib J8 5 Point 3-7-8 Far Face 529 Ib 273 Ib 0 Ib 0 Ib 0 Ib J8 5 Point 3-7-8 Far Face 529 Ib 273 Ib 0 Ib 0 Ib 0 Ib 0														
TL Definition       0.348 (L/615)       9' 11/6''       0.893 (L/240)       39%       D+L       L         esign Note:         1       Provide support to prevent lateral movement and rotation at the end bearings.       Dead Load Defection: Istan 10 16°; Nall 577 or 0. Maximum end distance not to exceed 6°. Nall from both sides. Clinch Nails where possible.       A Refer to last page of calculations for fasteners required for specified loads.         5       Concentrated load fastener specification is in addition to hanger fasteners if a hanger is present.       S resent.														
Sign Notes         1 Provide support to prevent lateral movement and rotation at the end bearings.         2 Dead Load Deflection: Instart = 0.140°, Long Term = 0.211°.         3 Fasten all piles using 3 rows of 1d6 Sinker Nalls (148x2.527) at 12° o.c. Maximum end distance not to exceed 6°. Nail from both sides. Clinch Nails where possible.         4 Refer to last page of calculations for fasteners required for specified loads.         5 Concentrated load fastener specification is in addition to hanger fasteners if a hanger is present.         6 Girders are designed to be supported on the bottom edge only.         7 Top loads must be supported equally by all plies.         8 Top must be laterally braced at an bearings.         D       Load Type         Location       Trib Windth         5 Bottom must be laterally braced at and bearings.         D       Load Type         Location       Trib Windth         5       Point         0-90 to 2-6-8       Near Face         14       Tie-In         0-3-8       Far Face         9       Far Face         14       19-8         9       Far Face         15       Opint         16       0.10         17       19-98         9       Far Face         10       0.10 </td <td></td>														
1 Provide support to prevent lateral movement and rotation at the end bearings.         2 Dead Load Deflection: Instant = 0.140°, Long Term = 0.211°.         3 Fasten all piles using 3 rows of 16d Sinker Nalls (1448x325°) at 12° o.c. Maximum end distance not to exceed 6°. Nall from both sides. Clinch Nalls where possible.         4 Refer to last page of calculations for fasteners required for specified loads.         5 Concentrated load fastener specification is in addition to hanger fasteners if a hanger is present.         6 Girders are designed to be supported on the bottom edge only.         7 Top loads must be supported equally by all piles.         8 Top must be laterally braced at a maximum of 8'11 1/8° o.c.         9 Bottom must be laterally braced at an eximum of 8'11 1/8° o.c.         9 Bottom must be laterally braced at an eximum of 8'11 1/8° o.c.         9 Bottom must be laterally braced at an eximum of 8'11 1/8° o.c.         9 Bottom must be laterally braced at an eximum of 8'11 1/8° o.c.         9 Bottom must be laterally braced at an eximum of 8'11 1/8° o.c.         9 Bottom must be laterally braced at end bearings.         D       Load Type         1       Te-In         0-0-0 to 3-5-0       1-1-5         70 pilot       0-3-8         9 point       0-3-8         9 point       0-3-8         9 point       3-7-8         9 point       3-7-8		. ,	0 1/10 0.000	(2/2/10) 00/10	DIE	-	4							
2 Dead Load Deflection: Instant = 0.140°, Long Term = 0.211°. 3 Fasten all plies using 3 rows of 16d Sinker Nails (.148x3.25°) at 12° o.c. Mamum end distance not to exceed 6°. Nail from both sides. Clinch Nails where possible. 4 Refer to last page of calculations for fasteners required for specified loads. 5 Concentrated load fastener specification is in addition to hanger fasteners if a hanger is present. 6 Girders are designed to be supported on the bothom edge only. 7 Top loads must be supported on the bothom edge only. 7 Top loads must be laterally braced at a maximum of 8'11 1/8° o.c. 9 Bottom must be laterally braced at and bearings. D Load Type Location Trib Width Side Dead 0.9 Live 1 Snow 1.15 Wind 1.6 Const. 1.25 Comments 1 Tie-In 0-0-0 to 3-5-0 1-1-5 Top 10 PSF 40 PSF 0 PSF 0 PSF 0 PSF 2 Part. Uniform 0-0-0 to 2-6-8 Near Face 146 PLF 284 PLF 0 PLF 0 PLF 0 PLF 3 Point 0-3-8 Far Face 122 Ib 486 Ib 0 Ib 0 Ib 0 Ib J9 4 Point 1-9-8 Far Face 529 Ib 273 Ib 0 Ib 0 Ib 0 Ib J8 5 Point 3-7-8 Far Face 529 Ib 273 Ib 0 Ib 0 Ib 0 Ib J8 1 strington, WA 98233 (800) 515-7570 Wind KLane Burding, Sub 450, CA 105. Live 1 Singer Lage Strington, WA 9823 (800) 3515-7570 Wind KLane Burding, Sub 450, CA 105. Live 1 Singer Lage Strington, WA 9823 (800) 3515-7570 Wind KLane Burding, Sub 450, CA 105. Live 1 Singer Lage Strington, WA 9823 (800) 3515-7570 Wind KLane Burding, Sub 450, CA 105. Live 1 Singer Lage Strington, WA 9823 (800) 3515-7570 Wind KLane Burding, Sub 450, CA 105. Live 1 Singer Lage Strington, WA 9823 (800) 515-7570 Wind Strington, WA 9823 (800) 515-7570 Win			movement and	rotation at the end	bearings		4							
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Date:

## **Multi-Ply Analysis**

Fasten all plies using 3 rows of 16d Sinker Nails (.148x3.25") at 12" o.c.. except for regions covered by concentrated load fastening. Nail from both sides. Maximum end distance not to exceed 6". Clinch Nails where possible.

Capacity	81.3 %
Load	286.7 PLF
Yield Limit per Foot	352.8 PLF
Yield Limit per Fastener	117.6 lb.
См	1
Yield Mode	IV
Edge Distance	1 1/2"
Min. End Distance	3"
Load Combination	D+L
Duration Factor	1.00

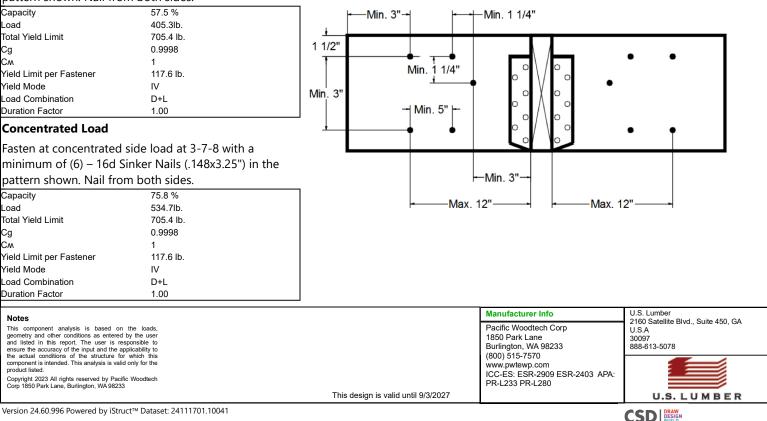
## **Concentrated Load**

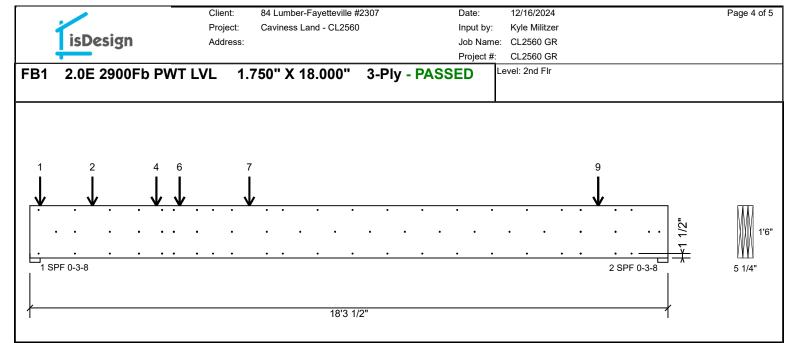
Fasten at concentrated side load at 1-9-8 with a minimum of (6) – 16d Sinker Nails (.148x3.25") in the

pattern shown. Nail from both sides

pattern snown. Nan no	in both sides.	
Capacity	57.5 %	
Load	405.3lb.	
Total Yield Limit	705.4 lb.	
Cg	0.9998	
См	1	
Yield Limit per Fastener	117.6 lb.	
Yield Mode	IV	
Load Combination	D+L	
Duration Factor	1.00	

## Min/Max fastener distances for Concentrated Side Loads





# Multi-Ply Analysis

#### Concentrated Load

Fasten at concentrated side load at 4-3-8 with a

minimum of (6) – 16d Sinker Nails (.148x3.25") in the

pattern shown. Nail from both sides.

Capacity	45.6 %
Load	321.3lb.
Total Yield Limit	705.4 lb.
Cg Cm	0.9998
См	1
Yield Limit per Fastener	117.6 lb.
Yield Mode	IV
Load Combination	D+L
Duration Factor	1.00

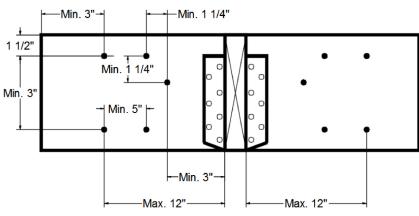
## Concentrated Load

Fasten at concentrated side load at 6-3-8 with a minimum of (6) – 16d Sinker Nails (.148x3.25") in the nattern shown Nail from both sides

p	battern	shown.	Nail	from	both	sides.	

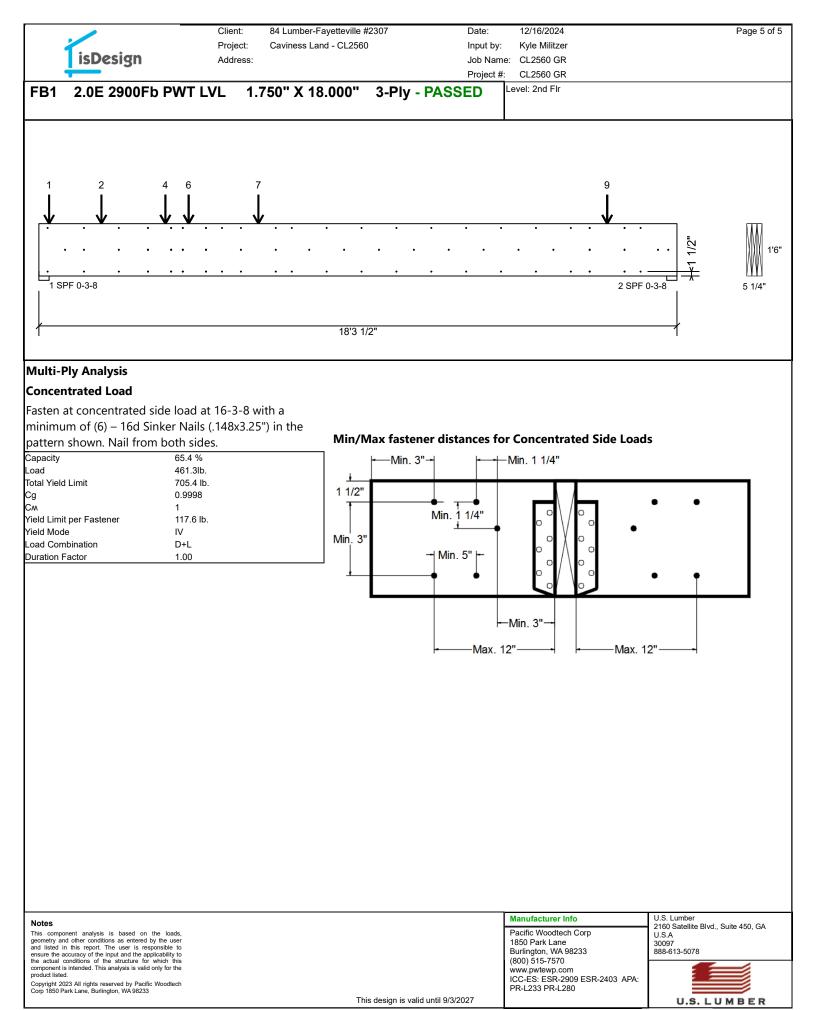
Capacity	61.0 %	
Load	430.0lb.	
Total Yield Limit	705.4 lb.	
Cg	0.9998	
См	1	
Yield Limit per Fastener	117.6 lb.	
Yield Mode	IV	
Load Combination	D+L	
Duration Factor	1.00	

### Min/Max fastener distances for Concentrated Side Loads

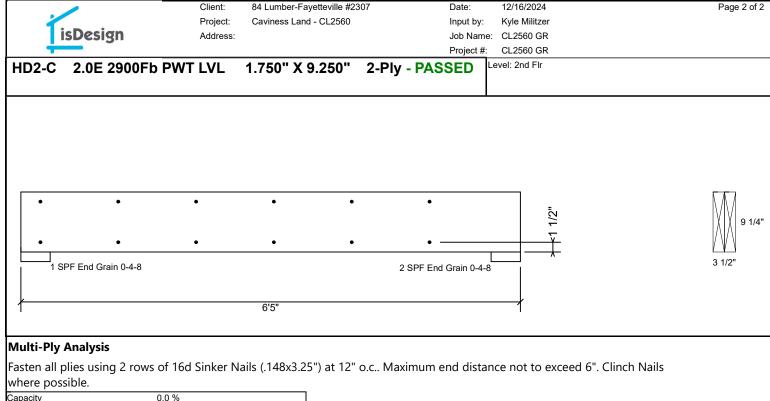


Notes		Manufacturer Info	U.S. Lumber 2160 Satellite Blvd., Suite 450, GA
This component analysis is based on the loads, geometry and other conditions as entered by the user and listed in this report. The user is responsible to ensure the accuracy of the input and the applicability to the actual conditions of the structure for which this component is intended. This analysis is valid only for the product listed. Copyright 2023 All rights reserved by Pacific Woodtech Corp 1850 Park Lane, Burlington, WA 98233	his design is valid until 9/3/2027	Pacific Woodtech Corp 1850 Park Lane Burlington, WA 98233 (800) 515-7570 www.pwtewp.com ICC-ES: ESR-2909 ESR-2403 APA: PR-L233 PR-L280	U.S.A 30097 888-613-5078
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CSD DESIGN BUILD



	Design		Client: Project:		Fayetteville #2 and - CL2560	307	-	ut by:	12/16/20 Kyle Mili	zer				Page 1 o
	Design		Address:					o Name: oject #:	CL2560 CL2560					
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mportance:	Normal - II	-												
emperature:	Temp <= 100°	Έ					Booring							
General Load	40 805						Bearings		<b>D</b> <sup>1</sup>					
Floor Live:	40 PSF						Bearing	-	Dir.	•	act D/L lb		Ld. Case	Ld. Con
Dead:	10 PSF						1 - SPF End	4.500"	Vert	23% 1	573 / 1149	2722	L	D+C
nalysis Res	sults						Grain							
Analysis	Actual	Location	Allowed	Capacity	Comb.	Case	2 - SPF End	4.500"	Vert	23% 1	573 / 1149	2722	L	D+C
Noment	3557 ft-lb		15520 ft-lb	23%	D+C	L	Grain							
Shear	1750 lb	1'1 3/4"	7689 lb	23%	D+C	L								
L Defl inch	0.025 (L/2783)	3'2 1/2"	0.193 (L/360	) 13%	С	L								
L Defl inch	0.059 (L/1175)	3'2 1/2"	0.290 (L/240	) 20%	D+C	L								
esign Not	es													
	port to prevent later				bearings.		1							
	Deflection: Instant =		•			d								
	lies using 2 rows of t to exceed 6". Clinc			3.25°) at 12° (	D.C. Maximum	ena								
	t page of calculation				loads.									
	designed to be supp			ge only.										
	nust be supported ed e laterally braced at													
	t be laterally braced	-												
D	Load Type		Location	Trib Width	Side	Dead 0.9	Live 1	Snow	1.15	Wind 1.6	Const. 1.	25 Co	mments	
	Part. Uniform	0-0-	0 to 6-5-0		Тор	358 PLF	0 PLF	0	PLF	0 PLF	358 P	LF		
2	Part. Uniform	0-0-	0 to 6-5-0		Тор	108 PLF	0 PLF	0	PLF	0 PLF	0 P	LF Wa	ll Self Weigh	t
3	Tapered Start		0-0-0		Тор	10 PLF	29 PLF	0	PLF	0 PLF	0 P	LF		
	End		6-5-0			10 PLF	29 PLF	0	PLF	0 PLF	0 P	LF		
4	Part. Uniform	0-0-	0 to 6-5-0		Тор	5 PLF	0 PLF		PLF	0 PLF			n Board Self	Weight
	Self Weight				r.	9 PLF		0	-					3
otes								Ma	anufactur	er Info		U.S. Lur		450 01
nis component ana	alysis is based on the lo	ads,								Itech Corp		U.S.A	tellite Blvd., Su	ite 450, GA
to neury and other or the listed in this rep	onditions as entered by the port. The user is responsible f the input and the applicabilit of the structure for which	user e to tv to							50 Park L Irlington, V			30097 888-613	-5078	
sure une accuracy of	of the structure for which This analysis is valid only for	this the						(8	00) 515-78	570			-	
mnonent is intended									w.pwtewp		2402 404	1		
omponent is intended roduct listed.	nte recerved by Desifie Mr	tech									-2403 APA:			
mponent is intended oduct listed. opyright 2023 All righ	nts reserved by Pacific Wood Burlington, WA 98233	tech			<b>T</b> L ·	design is valid	until 0/0/0007		R-L233 PR		-2403 APA:	-	J.S. L U M	

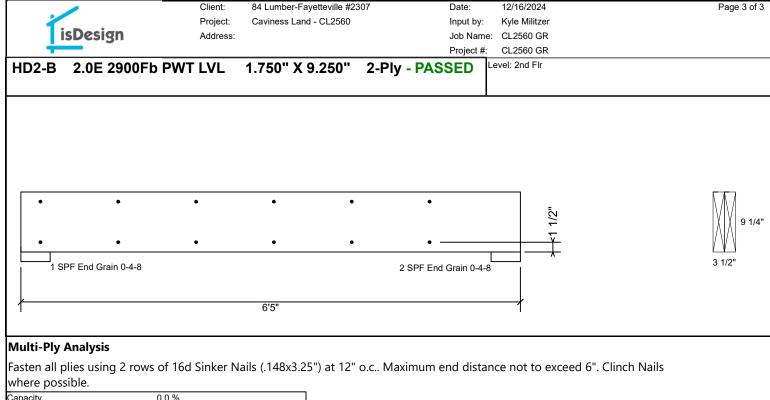


Capacity	0.0 %
Load	0.0 PLF
Yield Limit per Foot	235.2 PLF
Yield Limit per Fastener	117.6 lb.
См	1
Yield Mode	IV
Edge Distance	1 1/2"
Min. End Distance	3"
Load Combination	
Duration Factor	1.00

Notes		Manufacturer Info	U.S. Lumber 2160 Satellite Blvd., Suite 450, GA
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 ensure the accuracy of the input and the applicability to the actual conditions of the structure for which this		Pacific Woodtech Corp 1850 Park Lane Burlington, WA 98233 (200) 615, 7570	U.S.A 30097 888-613-5078
The actual containons of the structure for which this component is intended. This analysis is valid only for the product listed. Copyright 2023 All rights reserved by Pacific Woodtech Corp 1850 Park Lane, Burlington, WA 98233		(800) 515-7570 www.pwtewp.com ICC-ES: ESR-2909 ESR-2403 APA: PR-L233 PR-L280	
	This design is valid until 9/3/2027		U.S. LUMBER

-			Client: Project:		Fayetteville #2 and - CL2560	307		ite:	12/16/20 Kyle Mili					Page 1 of
Tis	Design		Address:	Caviness La	anu - CL2500			but by: b Name <sup>.</sup>	CL2560					
			/ dui oco.					oject #:	CL2560					
ID2-B	2.0E 2900F	b PWT		1.750" >	( 9.250"	2-Plv	- PASSE	D Le	vel: 2nd l	Ir				
						,								
					3			4						
	2				<u>г. липи</u>		5							
			1											
				•										
D						DIA	THE R							V V 9 1/4
	Con Man		100		differing the			- and	¥ice .					
•	CARGE STATE			•	C. Contraction of the local distance	and the second								/ \ \
	End Grain 0-4-8					2	SPF End Gra	in 0-4-8						3 1/2"
∤				6'5"					$\rightarrow$					
lember Inf	formation						Reaction	s PATT	ERNED	lb (Upli	ft)			
Туре:	Girder		Applicat	ion:	Floor		<b>F</b>	ction	Live	· ·		now	Wind	Cor
Plies:	2		Design		ASD		1 Verti	cal	93	17	43	0	0	13
Moisture Cond	•		Building		IRC 2021		2 Verti	cal	93	22	70	0	0	18
Deflection LL: Deflection TL:	360 240		Load Sh Deck:	•	No Not Checked									
Importance:	Normal - II		Doolu											
Temperature:	Temp <= 100	)°F												
General Load							Bearings							
Floor Live:	40 PSF						Bearing	-	Dir.	Cap. Rea			Ld. Case	Ld. Com
Dead:	10 PSF						1 - SPF End	4.500"	Vert	26% 17	43 / 1319	3062 I	L	D+C
nalysis Re	sults						Grain							
Analysis	Actual	Location	Allowed	Capacity	Comb.	Case	2 - SPF	4.500"	Vert	35% 22	70 / 1846	4116 I	L	D+C
Moment	4612 ft-lb	3'7 5/16"	15520 ft-lb	30%	D+C	L	End Grain							
Shear	3144 lb	5'3 1/4"	7689 lb	41%	D+C	L	-							
LL Defl inch	0.034 (L/2033)	3'4 3/8"	0.193 (L/360	)) 18%	С	L								
TL Defl inch	0.078 (L/896)	3'4 1/8"	0.290 (L/240	)) 27%	D+C	L	1							
esign Not							<u> </u>							
	port to prevent late Deflection: Instant				bearings.									
3 Fasten all p	lies using 2 rows of	16d Sinker	Nails (.148x3		o.c. Maximum	end								
	t to exceed 6". Clin t page of calculatio		•	for specified	loade									
	designed to be sup		-		10003.									
	nust be supported e		•											
-	e laterally braced at st be laterally brace	-												
ID	Load Type		Location	Trib Width	Side	Dead 0.9	Live 1	Snow	1.15	Wind 1.6	Const. 1.2	5 Com	ments	
1	Part. Uniform	0-0-	0 to 6-5-0		Тор	358 PLF	0 PLF	. (	) PLF	0 PLF	358 PL	F		
2	Part. Uniform	0-0-	0 to 6-5-0		Тор	108 PLF	0 PLF	. (	) PLF	0 PLF	0 PL	F Wall	Self Weight	t
3	Tapered Start		0-0-0		Тор	10 PLF	29 PLF	: (	) PLF	0 PLF	0 PL	F		
	End		6-5-0			10 PLF	29 PLF	: (	) PLF	0 PLF	0 PL	F		
4	Part. Uniform	0-0-	0 to 6-5-0		Тор	5 PLF	0 PLF	. (	) PLF	0 PLF	0 PL	F Rim B	Board Self	Weight
5	Point		4-11-10		Тор	867 lb	0 lb	)	0 lb	0 lb	868 I	b PL2 ł	Hip Girder	
ontinued on pa	ge 2													
lotes									lanufactur			U.S. Lumb 2160 Sate	er llite Blvd., Sui	te 450, GA
eometry and other o	alysis is based on the l conditions as entered by the	user						1	850 Park L			U.S.A 30097		
ina insteu in this re	ort. The user is responsit of the input and the applicable of the structure for which	lity to this							urlington, \ 300) 515-7			888-613-5	078	_
ensure the accuracy on he actual conditions		or the							ww.pwtew					
component is intended product listed.											2403 APA			
omponent is intendeo roduct listed. copyright 2023 All rig	<ol> <li>This analysis is valid only to hts reserved by Pacific Woo Burlington, WA 98233</li> </ol>					design is valid		IC		R-2909 ESR-	2403 APA:		S. LUN	

		<u></u>				10/10/0001	
		Client:	84 Lumber-Fayetteville #2		Date:	12/16/2024	Page 2 of 3
1		Project:	Caviness Land - CL2560		Input by:	Kyle Militzer	
I	isDesign	Address:		•	Job Name:		
Ţ				I	Project #:	CL2560 GR	
HD2-B	2.0E 2900Fb PWT	- I VI	1.750" X 9.250"	2-Ply - PASS		evel: 2nd Flr	
1102-0			1.750 X 3.250	2-r iy - r A00			
			3		4		
	2			5			
		1					
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	TH	•					N/N/I
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	and the second second		diff to ge		- AL	PE Law	
•	Contraction of the second states	•	•	and a charge state of the second			/ W N
							3 1/2"
1 18	SPF End Grain 0-4-8			2 SPF End G	Grain 0-4-8		0 1/2
1			6'5"			1	
Continue							
.Continued fr							
ID	Load Type	Location	Trib Width Side	Dead 0.9 Live	e 1 Snov	v 1.15 Wind 1.6 Const. 1.	25 Comments
	Bearing Length	0-3-8					
	Self Weight			9 PLF			
				51 21			
Nete						Manufacturer Info	U.S. Lumber
Notes This component	analysis is based on the loads,					Pacific Woodtech Corp	<ul> <li>2160 Satellite Blvd., Suite 450, GA</li> </ul>
geometry and oth	er conditions as entered by the user					1850 Park Lane	U.S.A 30097
and listed in this	s report. The user is responsible to acy of the input and the applicability to ions of the structure for which this				1	Burlington, WA 98233	888-613-5078
component is inter	ions of the structure for which this nded. This analysis is valid only for the					(800) 515-7570	
product listed.						www.pwtewp.com ICC-ES: ESR-2909 ESR-2403 APA:	
Copyright 2023 All Corp 1850 Park La	Il rights reserved by Pacific Woodtech ane, Burlington, WA 98233					PR-L233 PR-L280	
	-		This	design is valid until 9/3/202	.7		U.S. LUMBER
version 24 60 9	96 Powered by iStruct™ Dataset: 2411	11701.10041			<u> </u>		

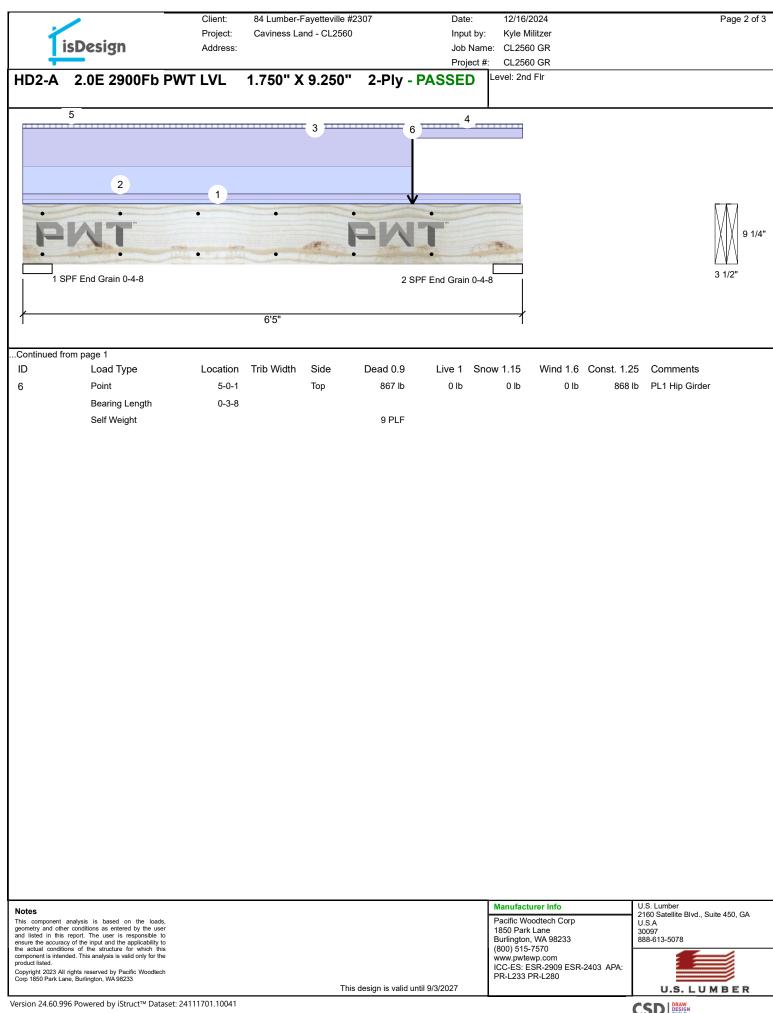


Capacity	0.0 %	
Load	0.0 PLF	
Yield Limit per Foot	235.2 PLF	
Yield Limit per Fastener	117.6 lb.	
См	1	
Yield Mode	IV	
Edge Distance	1 1/2"	
Min. End Distance	3"	
Load Combination		
Duration Factor	1.00	

Notes		Manufacturer Info	U.S. Lumber 2160 Satellite Blvd., Suite 450, GA
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 ensure the accuracy of the input and the applicability to the actual conditions of the structure for which this		Pacific Woodtech Corp 1850 Park Lane Burlington, WA 98233	U.S.A 30097 888-613-5078
The actual conditions of the structure for which this component is intended. This analysis is valid only for the product listed. Copyright 2023 All rights reserved by Pacific Woodtech Copr 1850 Park Lane, Burlington, WA 98233		(800) 515-7570 www.pwtewp.com ICC-ES: ESR-2909 ESR-2403 APA: PR-L233 PR-L280	
	This design is valid until 9/3/2027		U.S. LUMBER

	•				Fayetteville #2	307	Date					Page 1 of
Lic	Docign		,	Caviness La	and - CL2560		Inpu					
	Design		Address:					Name: CL256 ect #: CL256				
ID2-A	2.0E 2900Fk			750" )	( 0 250"	2 Div	- PASSEI					
ID2-A	2.02 29001 1	) F VV I		.750 7	3.230	<b>Z-</b> F iy	- FASSEL					
5							4					
					3		6					
	2		_1									
	•	•		•	•							$\Lambda \Lambda$
P												
		-11.		•	all in the	-	•	and the second				VVV
	End Grain 0-4-8					2	SPF End Grain	0-4-8				3 1/2"
						2		0-4-0				
·				6'5"								
1				00				I				
ember In	formation						Reactions	PATTERNE	D lb (Upli	ft)		
уре:	Girder		Applicati	on:	Floor		Brg Direct		ve De	-	ow Wind	Со
Plies:	2		Design M		ASD		1 Vertica	ıl 1	25 18	12	0 0	1;
loisture Cond			Building		IRC 2021		2 Vertica	ıl 1	25 19	44	0 0	1
Deflection LL:	360		Load Sha	•	No							
Deflection TL:	240		Deck:		Not Checked							
mportance:	Normal - II	-										
emperature:	Temp <= 100°	F					Boarings					
General Load							Bearings		0 D		Tatal Lal Oraca	
Floor Live:	40 PSF 10 PSF						Bearing L	-	Cap. Rea		Total Ld. Case	Ld. Con
Dead:	10 F3F						1 - SPF 4. End	.500" Vert	27% 18	312 / 1391	3202 L	D+C
nalysis Re	sults						Grain					
Analysis		Location		Capacity		Case	2 - SPF 4. End	.500" Vert	29% 19	944 / 1524	3468 L	D+C
Noment	4634 ft-lb		15520 ft-lb	30%	D+C	L	Grain					
Shear	3189 lb	5'3 1/4"		41%	D+C	L						
L Defl inch	0.034 (L/2021)	3'3 7/8"	0.193 (L/360)	18%	С	L						
L Defl inch	0.078 (L/892)	3'3 3/4"	0.290 (L/240)	27%	D+C	L	1					
esign Not												
	port to prevent later				bearings.							
	Deflection: Instant = lies using 2 rows of		•		o c. Maximum	end						
	t to exceed 6". Clinc			20 ) at 12		0.114						
	t page of calculation		-	-	loads.							
	designed to be supp nust be supported eq		-	e only.								
	e laterally braced at e											
	st be laterally braced		-									
7 Top must be 3 Bottom mus	Load Type			Frib Width	Side	Dead 0.9		Snow 1.15		Const. 1.25		
7 Top must be 3 Bottom mus		0-0-	-0 to 6-4-9		Тор	57 PLF	0 PLF	0 PLF	0 PLF	58 PLF		
7 Top must be 3 Bottom mus D	Part. Uniform		-0 to 5-0-1		Тор	335 PLF	0 PLF	0 PLF	0 PLF	335 PLF		
7 Top must b 8 Bottom mus D	Part. Uniform Part. Uniform	0-0-	010001			108 PLF	0 PLF	0 PLF	0 PLF	0 PLF	Wall Self Weigh	t
7 Top must be 3 Bottom mus D			-0 to 6-5-0		Тор	100 FLF						
7 Top must be 8 Bottom must D 2 3	Part. Uniform				Тор Тор	10 PLF	39 PLF	0 PLF	0 PLF	0 PLF		
7 Top must b 3 Bottom mus D	Part. Uniform Part. Uniform		-0 to 6-5-0				39 PLF 39 PLF	0 PLF 0 PLF	0 PLF 0 PLF	0 PLF 0 PLF		
7 Top must bi 8 Bottom mus D 1 2 3 4	Part. Uniform Part. Uniform Tapered Start	0-0-	-0 to 6-5-0 0-0-0			10 PLF						Weight
7 Top must b 3 Bottom mus D 2 3	Part. Uniform Part. Uniform Tapered Start End Part. Uniform	0-0-	-0 to 6-5-0 0-0-0 6-5-0		Тор	10 PLF 10 PLF	39 PLF	0 PLF	0 PLF	0 PLF		Weight
7 Top must b 8 Bottom mus D 1 2 3 4 5	Part. Uniform Part. Uniform Tapered Start End Part. Uniform	0-0-	-0 to 6-5-0 0-0-0 6-5-0		Тор	10 PLF 10 PLF	39 PLF	0 PLF 0 PLF	0 PLF 0 PLF	0 PLF 0 PLF	Rim Board Self	Weight
7 Top must bi 8 Bottom mus D 1 2 3 4 5 ntinued on pa	Part. Uniform Part. Uniform Tapered Start End Part. Uniform ge 2	0-0-	-0 to 6-5-0 0-0-0 6-5-0		Тор	10 PLF 10 PLF	39 PLF	0 PLF 0 PLF Manufac	0 PLF 0 PLF	0 PLF 0 PLF	Rim Board Self J.S. Lumber 2160 Satellite Blvd., Su	-
7 Top must bi 8 Bottom must D 1 2 3 4 5 ntinued on pa otes is component and	Part. Uniform Part. Uniform Tapered Start End Part. Uniform ge 2	0-0- 0-0-	-0 to 6-5-0 0-0-0 6-5-0		Тор	10 PLF 10 PLF	39 PLF	0 PLF 0 PLF Manufac Pacific W 1850 Par	0 PLF 0 PLF	0 PLF 0 PLF	Rim Board Self J.S. Lumber 2160 Satellite Blvd., Su J.S.A 30097	-
7 Top must bi 8 Bottom must D 1 2 3 4 5 ntinued on pa bitsed in this ref 1 2 3 4 5 1 1 2 3 4 5 1 1 2 3 4 5 1 1 5 1 1 5 1 1 5 1 1 5 1 1 5 1 1 5 1 1 5 1 1 5 1 1 5 1 1 5 1 1 5 1 1 5 1 1 5 1 1 5 1 1 5 1 1 5 1 1 1 5 1 1 1 1 1 1 1 1 1 1 1 1 1	Part. Uniform Part. Uniform Tapered Start End Part. Uniform ge 2	0-0- 0-0- ads, user	-0 to 6-5-0 0-0-0 6-5-0		Тор	10 PLF 10 PLF	39 PLF	0 PLF 0 PLF Manufac Pacific W 1850 Par Burlingtor	0 PLF 0 PLF	0 PLF 0 PLF	Rim Board Self J.S. Lumber 2160 Satellite Blvd., Su J.S.A	-
7 Top must bi 8 Bottom must D 1 2 3 4 5 ntinued on pa 1 1 5 1 1 2 3 4 5 1 1 5 1 1 1 2 3 4 5 1 1 1 1 1 1 1 1 1 1 1 1 1	Part. Uniform Part. Uniform Tapered Start End Part. Uniform ge 2	0-0- 0-0- ads, user s to ty to this	-0 to 6-5-0 0-0-0 6-5-0		Тор	10 PLF 10 PLF	39 PLF	0 PLF 0 PLF Pacific W 1850 Par Burlingtou (800) 515 www.pwt	0 PLF 0 PLF urer Info oodtech Corp Lane , WA 98233 -7570 wyp.com	0 PLF 0 PLF	Rim Board Self J.S. Lumber 2160 Satellite Blvd., Su J.S.A 30097	-
7 Top must bi 8 Bottom must D 1 2 3 4 5 ntinued on pa otes is component an ometry and other c d listed in this rep source the accuracy of source the accuracy of particular conditional particular conditional	Part. Uniform Part. Uniform Tapered Start End Part. Uniform ge 2	0-0- 0-0- user s to ty to this the	-0 to 6-5-0 0-0-0 6-5-0		Тор	10 PLF 10 PLF	39 PLF	0 PLF 0 PLF Pacific W 1850 Par Burlingtou (800) 515 www.pwt	0 PLF 0 PLF	0 PLF 0 PLF	Rim Board Self J.S. Lumber 2160 Satellite Blvd., Su J.S.A 30097	-

CSD DESIGN BUILD



Ţ	sDesign	Client: Project: Address:	84 Lumber-Fayetteville #2 Caviness Land - CL2560	Input by:	12/16/2024 Kyle Militzer e: CL2560 GR : CL2560 GR	Page 3 of 3
HD2-A	2.0E 2900Fb	PWT LVL	1.750" X 9.250"	2-Ply - PASSED	Level: 2nd Flr	
•	•	•	• •	٠	1/2"	9 1/4"
	•	•	• •	•		/ V
1 S	PF End Grain 0-4-8			2 SPF End Grain 0-4-8	8	3 1/2"
<del> </del>			6'5"			
Multi-Ply	Analysis					
-	plies using 2 rows	of 16d Sinker N	lails (.148x3.25") at 12"	o.c Maximum end dista	nce not to exceed 6". Clir	ich Nails
Capacity Load		0.0 % 0.0 PLF				

Notes		Manufacturer Info	U.S. Lumber 2160 Satellite Blvd., Suite 450, GA
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 ensure the accuracy of the input and the applicability to the actual conditions of the structure for which this component is intended. This analysis is valid only for the product listed. Copyright 2023 All rights reserved by Pacific Woodtech Corp 1850 Park Lane, Burlington, WA 98233	This design is valid until 9/3/2027	Pacific Woodtech Corp 1850 Park Lane Burlington, WA 98233 (800) 515-7570 www.pwtewp.com ICC-ES: ESR-2909 ESR-2403 APA: PR-L233 PR-L280	U.S.A 30097 888-613-5078

235.2 PLF

117.6 lb.

1 IV

3"

1 1/2"

1.00

Yield Limit per Foot

CM Yield Mode

Edge Distance

Min. End Distance

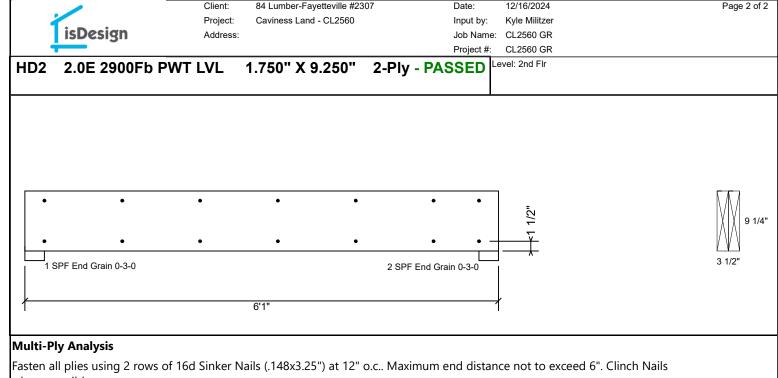
Load Combination

Duration Factor

Yield Limit per Fastener

	•				Fayetteville #2	307	Date:	12/16/202				Page 1 of
	Design		Project: ( Address:	Caviness La	and - CL2560		Input b					
	Design		Address:				Project	ame: CL2560 G t #: CL2560 G				
HD2 2.0	0E 2900Fb I		VI 1	750" )	( 9.250"	2_DIv	- PASSEE					
			_VL I.	150 /	\$.250	2-P1y	- FASSEL	, ,				
	4		5									
						3						
	2			1								
				•	-							
						DIA						
	- Non		197		alt the The			1. Mar 10				IAIA ° "
					and the second second	and Angeles	Statute Strengthere					3 1/2"
1 SPF E	nd Grain 0-3-0					2 SPF	End Grain 0-3-0					3 1/2"
1			6	5'1"				7				
lember Inf	ormation						Reactions P	ATTERNED	lb (Uplift	)		
Type: Plies:	Girder 2		Application		Floor ASD		Brg Direction		Dead		low Wind	Co
Plies: Moisture Cond			Design M Building (		ASD IRC 2021		1 Vertical	115	1552		0 0	1
Deflection LL:	360		Load Sha		No		2 Vertical	119	159	2	0 0	11
Deflection TL:	240		Deck:	anng.	Not Checked							
Importance:	Normal - II											
Temperature:	Temp <= 100°F	=										
General Load	·						Bearings					
Floor Live:	40 PSF						Bearing Len	ngth Dir.	Cap. Reac	t D/L lb	Total Ld. Case	Ld. Con
Dead:	10 PSF						1 - SPF 3.00	-	34% 155	2 / 1163	2714 L	D+C
							End					
nalysis Res							Grain 2 - SPF 3.00	00" Vert	35% 159	5 / 1195	2790 L	D+C
Analysis		ocation		Capacity		Case	End	Jo ven	55% 159	57 1195	2790 L	D+C
		3' 1/2"	15520 ft-lb	24%	D+C	L	Grain					
	3736 ft-lb	5 1/2		24%	D+C	L						
Moment Shear	3736 ft-lb 1854 lb	5' 3/4"										
Moment Shear		5' 3/4"	7689 lb 0.190 (L/360)		С	L						
Moment Shear LL Defl inch	1854 lb	5' 3/4" 3' 1/2"		14%	C D+C	L						
Moment Shear LL Defl inch TL Defl inch	1854 lb 0.026 (L/2631) 0.061 (L/1127)	5' 3/4" 3' 1/2"	0.190 (L/360)	14%	-	L	-					
Moment Shear LL Defl inch TL Defl inch Design Note 1 Provide sup	1854 lb 0.026 (L/2631) 0.061 (L/1127) es port to prevent latera	5' 3/4" 3' 1/2" 3' 1/2" l movemer	0.190 (L/360) 0.285 (L/240) nt and rotation	14% 21% at the end	D+C	L						
Moment Shear LL Defl inch TL Defl inch Design Note 1 Provide sup 2 Dead Load	1854 lb 0.026 (L/2631) 0.061 (L/1127) es port to prevent latera Deflection: Instant = 0	5' 3/4" 3' 1/2" 3' 1/2" I movemer 0.035", Lor	0.190 (L/360) 0.285 (L/240) nt and rotation ng Term = 0.05	14% 21% at the end 52".	D+C bearings.							
Moment Shear LL Defl inch TL Defl inch <b>Design Not</b> 1 Provide sup 2 Dead Load 3 Fasten all pl	1854 lb 0.026 (L/2631) 0.061 (L/1127) es port to prevent latera	5' 3/4" 3' 1/2" 3' 1/2" I movemer 0.035", Lor 6d Sinker	0.190 (L/360) 0.285 (L/240) nt and rotation ng Term = 0.05 Nails (.148x3.)	14% 21% at the end 52".	D+C bearings.							
Moment Shear LL Defl inch TL Defl inch <b>Pesign Not</b> 1 Provide sup 2 Dead Load 3 Fasten all pl distance not 4 Refer to last	1854 lb 0.026 (L/2631) 0.061 (L/1127) 25 Deflection: Instant = ( lies using 2 rows of 1 t o exceed 6". Clinch page of calculations	5' 3/4" 3' 1/2" 3' 1/2" I movemer 0.035", Lor 6d Sinker Nails whe	0.190 (L/360) 0.285 (L/240) nt and rotation ng Term = 0.05 Nails (.148x3 ere possible. ers required fo	14% 21% at the end 52". 25") at 12" or specified	D+C bearings. o.c. Maximum							
Moment Shear LL Defl inch TL Defl inch <b>Design Not</b> 1 Provide sup 2 Dead Load 3 Fasten all pl distance not 4 Refer to last 5 Girders are	1854 lb         0.026 (L/2631)         0.061 (L/1127)         25         Deflection: Instant = (         is using 2 rows of 1         to exceed 6". Clinch         page of calculations         designed to be support	5' 3/4" 3' 1/2" 3' 1/2" I movemer 0.035", Lor 6d Sinker Nails whe for fastene orted on the	0.190 (L/360) 0.285 (L/240) Int and rotation ng Term = 0.05 Nails (.148x3.: ere possible. ers required for the bottom edge	14% 21% at the end 52". 25") at 12" or specified	D+C bearings. o.c. Maximum							
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Moment Shear LL Defl inch TL Defl inch <b>esign Note</b> 1 Provide sup 2 Dead Load 3 Fasten all pl distance not 4 Refer to last 5 Girders are 6 Top loads m 7 Top must be 8 Bottom mus	1854 lb 0.026 (L/2631) 0.061 (L/1127) 25 Deflection: Instant = ( iss using 2 rows of 1 to exceed 6". Clinch page of calculations designed to be supported ust be supported equ laterally braced at e t be laterally braced at	5' 3/4" 3' 1/2" 3' 1/2" I movemer 0.035", Lor 6d Sinker Nails whe for fastene orted on the ually by all nd bearing at end bea	0.190 (L/360) 0.285 (L/240) nt and rotation ng Term = 0.05 Nails (.148x3.: ere possible. ers required for bottom edge plies. gs. rings.	14% 21% at the end 52". 25") at 12" or specified e only.	D+C bearings. o.c. Maximum loads.	end	Live 1 S 0 PLF	Snow 1.15	Wind 1.6 ( 0 PLF	Const. 1.25 58 PLF		
Moment Shear LL Defl inch TL Defl inch <b>resign Note</b> Provide sup 2 Dead Load 3 Fasten all pl distance not 4 Refer to last 5 Girders are 6 Top loads m 7 Top must be 8 Bottom mus 1D	1854 lb 0.026 (L/2631) 0.061 (L/1127) es port to prevent latera Deflection: Instant = ( ities using 2 rows of 1 to exceed 6". Clinch page of calculations designed to be support ust be supported equ laterally braced at e t be laterally braced at Load Type	5' 3/4" 3' 1/2" 3' 1/2" I movemer 0.035", Lor 6d Sinker Nails whe of of fastene orted on th Jually by all nd bearing at end bea	0.190 (L/360) 0.285 (L/240) nt and rotation ng Term = 0.05 Nails (.148x3.) re possible. ers required for e bottom edge plies. js. rrings. Location T	14% 21% at the end 52". 25") at 12" or specified e only.	D+C bearings. o.c. Maximum loads.	end Dead 0.9						
Moment Shear LL Defl inch TL Defl inch <b>Design Noto</b> 1 Provide sup 2 Dead Load 3 Fasten all pl distance nol 4 Refer to last 5 Girders are 6 Top loads m 7 Top must be 8 Bottom mus ID 1 2	1854 lb 0.026 (L/2631) 0.061 (L/1127) es port to prevent latera Deflection: Instant = 0 lies using 2 rows of 1 to exceed 6". Clinch page of calculations designed to be supported equ laterally braced at et to be laterally braced at Load Type Part. Uniform	5' 3/4" 3' 1/2" 3' 1/2" I movemen 0.035", Lor 6d Sinker I Nails whe for fastene orted on the ually by all nd bearing at end bea 0-1-1	0.190 (L/360) 0.285 (L/240) nt and rotation ng Term = 0.05 Nails (.148x3.: rep possible. ers required for e bottom edge plies. ls. rings. Location T 0 to 6-1-0	14% 21% at the end 52". 25") at 12" or specified e only.	D+C bearings. o.c. Maximum loads. Side Top Top	end Dead 0.9 57 PLF	0 PLF	0 PLF	0 PLF	58 PLF		ıt
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Moment Shear LL Defl inch TL Defl inch <b>esign Note</b> 1 Provide sup 2 Dead Load 3 Fasten all pl distance not 4 Refer to last 5 Girders are 6 Top loads m 7 Top must be 8 Bottom mus ID 1 2 3	1854 lb 0.026 (L/2631) 0.061 (L/1127) es port to prevent latera Deflection: Instant = 0 lies using 2 rows of 1 to exceed 6". Clinch page of calculations designed to be supported equ laterally braced at et to laterally braced at et to ad Type Part. Uniform Part. Uniform Tapered Start	5' 3/4" 3' 1/2" 3' 1/2" I movemen 0.035", Lor 6d Sinker I Nails whe for fastene orted on the ually by all nd bearing at end bea 0-1-1	0.190 (L/360) 0.285 (L/240) nt and rotation ng Term = 0.05 Nails (.148x3.: re possible. ers required fc e bottom edge plies. js. rings. Location T 0 to 6-1-0 0 to 6-1-0 0 to 6-1-0 0 to 6-1-0	14% 21% at the end 52". 25") at 12" or specified e only.	D+C bearings. o.c. Maximum loads. Side Top Top	end Dead 0.9 57 PLF 335 PLF 108 PLF 10 PLF	0 PLF 0 PLF 0 PLF 39 PLF	0 PLF 0 PLF 0 PLF 0 PLF	0 PLF 0 PLF 0 PLF 0 PLF	58 PLF 335 PLF 0 PLF 0 PLF	Wall Self Weigh	ıt
Moment Shear LL Defl inch TL Defl inch <b>Design Note</b> 1 Provide sup 2 Dead Load 3 Fasten all pl distance not 4 Refer to last 5 Girders are 6 Top loads m 7 Top must be 8 Bottom mus 1D 1 2 3 4	1854 lb 0.026 (L/2631) 0.061 (L/1127) es port to prevent latera Deflection: Instant = 0 lies using 2 rows of 1 to exceed 6". Clinch page of calculations designed to be supported equ laterally braced at et to laterally braced at et to laterally braced at Load Type Part. Uniform Part. Uniform Part. Uniform Tapered Start End	5' 3/4" 3' 1/2" 3' 1/2" I movemer 0.035", Lor 6d Sinker I Nails whe for fastene orted on th Jally by all nd bearing at end bea 0-1-i 0-1-i	0.190 (L/360) 0.285 (L/240) nt and rotation ng Term = 0.05 Nails (.148x3.: rep possible. ers required for e bottom edge plies. js. rings. Location T 0 to 6-1-0 0 to 6-1-0 0 to 6-1-0 0 to 6-1-0 0 -1-0 6-1-0	14% 21% at the end 52". 25") at 12" or specified e only.	D+C bearings. o.c. Maximum loads. Side Top Top Top Top	end Dead 0.9 57 PLF 335 PLF 108 PLF 10 PLF 10 PLF	0 PLF 0 PLF 0 PLF 39 PLF 39 PLF	0 PLF 0 PLF 0 PLF 0 PLF 0 PLF	0 PLF 0 PLF 0 PLF 0 PLF 0 PLF	58 PLF 335 PLF 0 PLF 0 PLF 0 PLF	Wall Self Weigh	
Moment Shear LL Defl inch TL Defl inch <b>Design Note</b> 1 Provide sup 2 Dead Load 3 Fasten all pl distance not 4 Refer to last 5 Girders are 6 Top loads m 7 Top must be 8 Bottom mus 1D 1 2 3 4	1854 lb 0.026 (L/2631) 0.061 (L/1127) es port to prevent latera Deflection: Instant = 0 lies using 2 rows of 1 to exceed 6". Clinch page of calculations designed to be supported equilibrium to be supported ust be supported equilibrium laterally braced at to each to be supported equilibrium to be supported laterally braced at Load Type Part. Uniform Part. Uniform Tapered Start End Part. Uniform	5' 3/4" 3' 1/2" 3' 1/2" I movemer 0.035", Lor 6d Sinker I Nails whe for fastene orted on th Jally by all nd bearing at end bea 0-1-i 0-1-i	0.190 (L/360) 0.285 (L/240) nt and rotation ng Term = 0.05 Nails (.148x3.: re possible. ers required fc e bottom edge plies. js. rings. Location T 0 to 6-1-0 0 to 6-1-0 0 to 6-1-0 0 to 6-1-0	14% 21% at the end 52". 25") at 12" or specified e only.	D+C bearings. o.c. Maximum loads. Side Top Top Top	end Dead 0.9 57 PLF 335 PLF 108 PLF 10 PLF 10 PLF 5 PLF	0 PLF 0 PLF 0 PLF 39 PLF	0 PLF 0 PLF 0 PLF 0 PLF	0 PLF 0 PLF 0 PLF 0 PLF	58 PLF 335 PLF 0 PLF 0 PLF	Wall Self Weigh	
Moment Shear LL Defl inch TL Defl inch <b>Design Note</b> 1 Provide sup 2 Dead Load 3 Fasten all pl distance not 4 Refer to last 5 Girders are 6 Top loads m 7 Top must be 8 Bottom mus 1D 1 2 3 4	1854 lb 0.026 (L/2631) 0.061 (L/1127) es port to prevent latera Deflection: Instant = 0 lies using 2 rows of 1 to exceed 6". Clinch page of calculations designed to be supported equ laterally braced at et to laterally braced at et to laterally braced at Load Type Part. Uniform Part. Uniform Part. Uniform Tapered Start End	5' 3/4" 3' 1/2" 3' 1/2" I movemer 0.035", Lor 6d Sinker I Nails whe for fastene orted on th Jally by all nd bearing at end bea 0-1-i 0-1-i	0.190 (L/360) 0.285 (L/240) nt and rotation ng Term = 0.05 Nails (.148x3.: rep possible. ers required for e bottom edge plies. js. rings. Location T 0 to 6-1-0 0 to 6-1-0 0 to 6-1-0 0 to 6-1-0 0 -1-0 6-1-0	14% 21% at the end 52". 25") at 12" or specified e only.	D+C bearings. o.c. Maximum loads. Side Top Top Top Top	end Dead 0.9 57 PLF 335 PLF 108 PLF 10 PLF 10 PLF	0 PLF 0 PLF 0 PLF 39 PLF 39 PLF	0 PLF 0 PLF 0 PLF 0 PLF 0 PLF	0 PLF 0 PLF 0 PLF 0 PLF 0 PLF	58 PLF 335 PLF 0 PLF 0 PLF 0 PLF	Wall Self Weigh	
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Moment Shear LL Defl inch TL Defl inch <b>Design Noto</b> 1 Provide sup 2 Dead Load 3 Fasten all pl distance nol 4 Refer to last 5 Girders are 6 Top loads m 7 Top must be 8 Bottom mus ID 1 2 3 4 5	1854 lb 0.026 (L/2631) 0.061 (L/1127) es port to prevent latera Deflection: Instant = 0 lies using 2 rows of 1 to exceed 6". Clinch page of calculations designed to be support ust be supported equ laterally braced at to elaterally braced at Load Type Part. Uniform Part. Uniform Tapered Start End Part. Uniform Self Weight visis is based on the load	5' 3/4" 3' 1/2" 3' 1/2" I movemer 0.035", Lor 6d Sinker I 0.035", Lor 6d Sinker I 0.11-1 0-1-1 0-1-1 0-1-1 0-1-1	0.190 (L/360) 0.285 (L/240) nt and rotation ng Term = 0.05 Nails (.148x3.: rep possible. ers required for e bottom edge plies. js. rings. Location T 0 to 6-1-0 0 to 6-1-0 0 to 6-1-0 0 to 6-1-0 0 -1-0 6-1-0	14% 21% at the end 52". 25") at 12" or specified e only.	D+C bearings. o.c. Maximum loads. Side Top Top Top Top	end Dead 0.9 57 PLF 335 PLF 108 PLF 10 PLF 10 PLF 5 PLF	0 PLF 0 PLF 0 PLF 39 PLF 39 PLF	0 PLF 0 PLF 0 PLF 0 PLF 0 PLF 0 PLF Manufacture Pacific Woodd	0 PLF 0 PLF 0 PLF 0 PLF 0 PLF 0 PLF r Info	58 PLF 335 PLF 0 PLF 0 PLF 0 PLF	Wall Self Weigh Rim Board Self U.S. Lumber 2160 Satellite Blvd., Su U.S.A	Weight
Moment Shear LL Defl inch TL Defl inch <b>Design Noto</b> 1 Provide sup 2 Dead Load 3 Fasten all pl distance nol 4 Refer to last 5 Girders are 6 Top loads m 7 Top must be 8 Bottom mus ID 1 2 3 4 5	1854 lb 0.026 (L/2631) 0.061 (L/1127) es port to prevent latera Deflection: Instant = ( lies using 2 rows of 1 to exceed 6". Clinch : page of calculations designed to be support ust be supported equ : laterally braced at to laterally braced at to laterally braced at Load Type Part. Uniform Part. Uniform Tapered Start End Part. Uniform Self Weight	5' 3/4" 3' 1/2" 3' 1/2" I movemer 0.035", Lor 6d Sinker I 0.035", Lor 6d Sinker I 0.11-1 0-1-1 0-1-1 0-1-1 0-1-1	0.190 (L/360) 0.285 (L/240) nt and rotation ng Term = 0.05 Nails (.148x3.: rep possible. ers required for e bottom edge plies. js. rings. Location T 0 to 6-1-0 0 to 6-1-0 0 to 6-1-0 0 to 6-1-0 0 -1-0 6-1-0	14% 21% at the end 52". 25") at 12" or specified e only.	D+C bearings. o.c. Maximum loads. Side Top Top Top Top	end Dead 0.9 57 PLF 335 PLF 108 PLF 10 PLF 10 PLF 5 PLF	0 PLF 0 PLF 0 PLF 39 PLF 39 PLF	0 PLF 0 PLF 0 PLF 0 PLF 0 PLF 0 PLF 0 PLF Pacific Wood 1850 Park La Burlington, W	0 PLF 0 PLF 0 PLF 0 PLF 0 PLF 0 PLF r Info tech Corp ne A 98233	58 PLF 335 PLF 0 PLF 0 PLF 0 PLF 0 PLF	Wall Self Weigh Rim Board Self U.S. Lumber 2160 Satellite Blvd., Su	Weight
Moment Shear LL Defl inch TL Defl inch TL Defl inch Design Note 1 Provide sup 2 Dead Load 3 Fasten all pj distance not 4 Refer to last 5 Girders are 6 Top loads m 7 Top must be 8 Bottom mus ID 1 2 3 4 5	1854 lb 0.026 (L/2631) 0.061 (L/1127) es port to prevent latera Deflection: Instant = ( lies using 2 rows of 1 to exceed 6". Clinch page of calculations designed to be supported equilibric to be supported ust be supported equilibric laterally braced at to laterally braced at Load Type Part. Uniform Part. Uniform Tapered Start End Part. Uniform Self Weight	5' 3/4" 3' 1/2" 3' 1/2" I movemer 0.035", Lor 6d Sinker I Nails whe for fastene orted on the ually by all nd bearing at end bear 0-1 0-1 0-1 0-1 0-1	0.190 (L/360) 0.285 (L/240) nt and rotation ng Term = 0.05 Nails (.148x3.: rep possible. ers required for e bottom edge plies. js. rings. Location T 0 to 6-1-0 0 to 6-1-0 0 to 6-1-0 0 to 6-1-0 0 -1-0 6-1-0	14% 21% at the end 52". 25") at 12" or specified e only.	D+C bearings. o.c. Maximum loads. Side Top Top Top Top	end Dead 0.9 57 PLF 335 PLF 108 PLF 10 PLF 10 PLF 5 PLF	0 PLF 0 PLF 0 PLF 39 PLF 39 PLF	0 PLF 0 PLF 0 PLF 0 PLF 0 PLF 0 PLF Manufacture Pacific Wood 1850 Park La Burlington, W (800) 515-757	0 PLF 0 PLF 0 PLF 0 PLF 0 PLF 0 PLF r Info tech Corp ine (A 98233 70	58 PLF 335 PLF 0 PLF 0 PLF 0 PLF 0 PLF	Wall Self Weigh Rim Board Self U.S. Lumber 2160 Satellite Blvd., SL U.S.A 30097	Weight
Moment Shear LL Defl inch TL Defl inch TL Defl inch <b>Design Note</b> 1 Provide sup 2 Dead Load 3 Fasten all pl distance not 4 Refer to last 5 Girders are 6 Top loads m 7 Top must be 8 Bottom mus ID 1 2 3 4 5 5	1854 lb 0.026 (L/2631) 0.061 (L/1127) <b>ES</b> port to prevent lateral Deflection: Instant = 0 lies using 2 rows of 1 to exceed 6". Clinch page of calculations designed to be supported to exceed 6". Clinch page of calculations designed to be supported page of calculations designed to be supported designed to be supported	5' 3/4" 3' 1/2" 3' 1/2" I movemer 0.035", Lor 6d Sinker I Nalls whe of of fastene orted on the orted on t	0.190 (L/360) 0.285 (L/240) nt and rotation ng Term = 0.05 Nails (.148x3.: rep possible. ers required for e bottom edge plies. js. rings. Location T 0 to 6-1-0 0 to 6-1-0 0 to 6-1-0 0 to 6-1-0 0 -1-0 6-1-0	14% 21% at the end 52". 25") at 12" or specified e only.	D+C bearings. o.c. Maximum loads. Side Top Top Top Top	end Dead 0.9 57 PLF 335 PLF 108 PLF 10 PLF 10 PLF 5 PLF	0 PLF 0 PLF 0 PLF 39 PLF 39 PLF	0 PLF 0 PLF 0 PLF 0 PLF 0 PLF 0 PLF Manufacture Pacific Wood 1850 Park La Burlington, W (800) 515-757 www.pwtewp.	0 PLF 0 PLF 0 PLF 0 PLF 0 PLF 0 PLF tech Corp ne A 98233 70 .com	58 PLF 335 PLF 0 PLF 0 PLF 0 PLF	Wall Self Weigh Rim Board Self U.S. Lumber 2160 Satellite Blvd., SL U.S.A 30097	Weight

CSD BUILD



where possible.	
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Capacity	0.0 %	
Load	0.0 PLF	
Yield Limit per Foot	235.2 PLF	
Yield Limit per Fastener	117.6 lb.	
См	1	
Yield Mode	IV	
Edge Distance	1 1/2"	
Min. End Distance	3"	
Load Combination		
Duration Factor	1.00	

 
 Motes
 Manufacturer Info
 U.S. Lumber

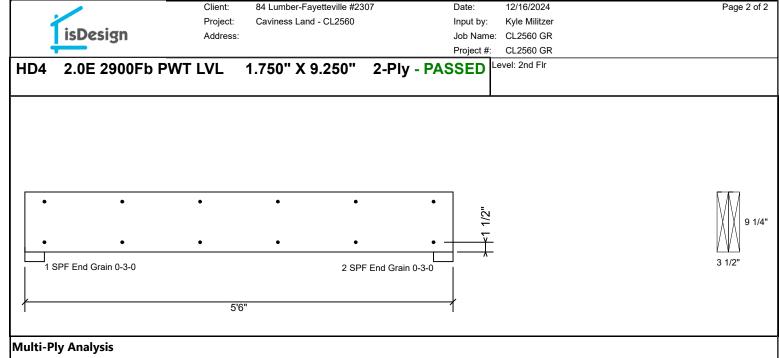
 This component analysis is based on the loads, geometry and ther conditions as entered by the user and listed in this report. The user is responsible to ensure the actual conditions of the structure for which this component intended. This analysis is valid only for the product listed.
 Description
 U.S. Lumber 2160 Satellite Blvd., Suite 450, GA U.S.A

 Copyright 2023 All rights reserved by Pacific Woodtech Corp 1850 Park Lane, Burlington, WA 98233
 (800) 515-7570 www.pwtewp.com ICC-ES: ESR-2009 ESR-2403 APA: PR-L233 PR-L280
 U.S. Lumber U.S.A

 U.S.A
 U.S.A
 U.S.A

CSD DESIGN BUILD

	•				Fayetteville #2	307		ate:	12/16/20					Page 1 of
lis	Design		roject: C ddress:	aviness La	and - CL2560			nput by: ob Name:	Kyle Milit CL2560					
								roject #:	CL2560					
HD4 2.0	0E 2900Fb	PWT LV	/L 1.7	750" X	( 9.250"	2-Ply	- PASS	SED L	evel: 2nd F.	lr				
	2						3							
			1											
PI	NT			•	and the	JN								9 1/4
1 SPF E	nd Grain 0-3-0				2 SF	PF End Grain	0-3-0							3 1/2"
<u>}</u>			5'6"											
Aember Inf	formation						Reaction	ne PAT		lb (Uplit	<del>(</del> +)			
Туре:	Girder		Applicatio	n:	Floor		<b>F</b>	ection	Live	De:	-	Snow	Wind	Cor
Plies:	2		Design Me		ASD		1 Ver	tical	1561	6	83	0	0	
Moisture Cond Deflection LL:	lition: Dry 360		Building C Load Shai		IRC 2021 No		2 Ver	tical	1567	8	60	0	0	
Deflection TL:	240		Deck:	•	Not Checked									
Importance:	Normal - II													
Temperature:	Temp <= 100°	°F												
General Load							Bearing	s						
Floor Live:	40 PSF						Bearing	Length	Dir.	Cap. Rea	ct D/L lb	Total	Ld. Case	Ld. Com
Dead:	10 PSF						1 - SPF	3.000"	Vert	28% 6	83 / 1561	2244	L	D+L
nolucic Des							End Grain							
Analysis Res		Leastion Al	llawad	Canaaitu	Camela	Casa	2 - SPF	3.000"	Vert	31% 8	60 / 1567	2427	L	D+L
Analysis Moment	Actual 2667 ft-lb	Location Al 2'8 7/8" 12		Capacity 21%	Comb. D+L	Case	End							
Shear	1408 lb	1' 1/4" 61		21%	D+L		Grain							
	0.025 (L/2423)		171 (L/360)		I	1								
	0.023 (L/2423) 0.037 (L/1672)				L D+L	1								
	, ,	29 0	256 (L/240)	14%	D+L	L	1							
Design Note							ļ							
	port to prevent later Deflection: Instant =				bearings.									
	lies using 2 rows of	-			o.c. Maximum	end								
	t to exceed 6". Clinc		-											
	t page of calculation designed to be supp			-	loads.									
	nust be supported ec		-	o										
	e laterally braced at	-												
	st be laterally braced			ile \A/idtle	Cida	Deed 0.0	 	1 0		Wind 1 C	Canat 1	25 00	no un to	
ID 1	Load Type		ocation Tr		Side	Dead 0.9		1 Snov		Wind 1.6			mments	
1	Part. Uniform		to 5-6-0		Тор	116 PLF	226 PL		0 PLF	0 PLF		PLF J1		
2	Part. Uniform		to 4-3-4		Тор	121 PLF	347 PL		0 PLF	0 PLF		PLF J4		
3	Part. Uniform	4-7-4 t	to 5-6-0		Тор	376 PLF	450 PL	F	0 PLF	0 PLF	0 6	PLF J5		
	Self Weight					9 PLF								
Notes									Manufacture			U.S. Lur 2160 Sa	nber tellite Blvd., Sui	te 450, GA
geometry and other co	alysis is based on the lo onditions as entered by the	user							Pacific Wood 1850 Park La			U.S.A 30097	., 54	.,
and listed in this rep ensure the accuracy of the actual conditions	ort. The user is responsible f the input and the applicabilit of the structure for which	e to ty to this						1	Burlington, V (800) 515-75	VA 98233		888-613	-5078	
the actual conditions component is intended. product listed.	of the structure for which I. This analysis is valid only for	r the						,	www.pwtewp	.com			-	
	hts reserved by Pacific Wood	tech							ICC-ES: ESP PR-L233 PR	R-2909 ESR-2 -1 280	2403 APA:			
Corp 1850 Park I ane	Burlington, WA 98233								11112200111					
Corp 1850 Park Lane, I	Burlington, WA 98233				This	design is valid	until 9/3/2027					U	J.S. L U M	BER



Fasten all plies using 2 rows of 16d Sinker Nails (.148x3.25") at 12" o.c.. Maximum end distance not to exceed 6". Clinch Nails where possible.

where possible.		
Capacity	0.0 %	
Load	0.0 PLF	
Yield Limit per Foot	235.2 PLF	
Yield Limit per Fastener	117.6 lb.	
См	1	
Yield Mode	IV	
Edge Distance	1 1/2"	
Min. End Distance	3"	
Load Combination		
Duration Factor	1.00	

Notes		Manufacturer Info	U.S. Lumber
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 ensure the accuracy of the input and the applicability to the actual conditions of the structure for which this component is intended. This analysis is valid only for the product listed. Copyright 2023 All rights reserved by Pacific Woodtech		Pacific Woodtech Corp 1850 Park Lane Burlington, WA 98233 (800) 515-7570 www.pwtewp.com ICC-ES: ESR-2909 ESR-2403 APA:	2160 Satellite Blvd., Suite 450, GA U.S.A 30097 888-613-5078
Corp 1850 Park Lane, Burlington, WA 98233		PR-L233 PR-L280	
T	nis design is valid until 9/3/2027		U.S. LUMBER

HD1 2.0E	2900Fb I		Address:		and - CL2560	2 Db/		Project	me: CL #: CL	le Milit 2560 2560 2nd F	GR GR					
			/L 1./:	50° X	11.875	3-Ply -	PA33	ED		21101						
					1											
PHT	- The second	PHT	r	F	WT	in	PN	T	· · · · · ·		PV	T	·	•		11
1 SPF End G	• • • • • • • • • • • • • • • • • • •		and the second second	•	•		8-9-45	• • • • • • • • •	•	•	2 S	• SPF End (	• Grain 0·	-4-8		5 1/4"
					19'8 1/2	"										
ember Infor	mation						Poact	ons P/	ATTED		lb (11	nlift)				
ype:	Girder		Applicati	on:	Floor		<b>—</b>	Direction		Live	U) (U	Dead	S	now	Wind	C
Plies:	3		Design M		ASD		l v	/ertical	•	0		1555	3	0	0	
Ioisture Conditio	on: Dry		Building		IRC 2021			/ertical		0		1555		0	0	
Deflection LL:	360		Load Sha	aring:	Yes											
eflection TL:	240		Deck:		Not Checked											
mportance:	Normal - II															
emperature:	Temp <= 100	)°F					<u> </u>									
General Load							Bearin	ngs								
loor Live:	40 PSF						Beari	ng Len	gth D	ir.	Cap.	React D	/L lb	Total	Ld. Case	Ld. Co
Dead:	10 PSF						1 - SF End	PF 4.50	10" Ve	ert	10%	1555 /	197	1752	L	D+C
nalysis Resu							Grain	PF 4.50	10" Va	ert	10%	1555 /	107	1752	I	D+C
,	ctual			Capacit	-	Case	End	1 1.00		511	1070	10007	101	1102	-	2.0
	185 ft-lb		27943 ft-lb	26%	D	Uniform	Grain									
	340 lb		10661 lb	13%	D	Uniform										
L Defl inch 0.			0.636 (L/360)		C	L .										
L Defl inch 0.		9'10 5/16"	0.954 (L/240)	40%	D+C	L										
esign Notes			unt and votation	at the are	d haaninga		4									
1 Provide suppo 2 Dead Load De					i bearings.											
3 Fasten all plies	s using 2 rows of	f 16d Sinker	<sup>-</sup> Nails (.148x3.	25") at 12'		end										
	exceed 6". Nail				•											
4 Refer to last pa 5 Girders are de	-				lioads.											
6 Top loads mus	• ·	•	•	,-												
7 Tan mariatha la	iterally braced at		•													
	Load Type	d at end bea	-	rib Width	Side	Dead 0.9		/e 1 S	now 1.1	5	Wind 1	.6 Con	et 1.2	5 Co	nments	
Bottom must b	Load Type	0.0.(	0 to 19-8-8			140 PLF		PLF	0 PL		0 P		20 PL		ments	
8 Bottom must b D	Dort Uniform	0-0-0	10 19-0-0		Тор		0	FLF	UPL	.г	UP	LF	20 FL	Г		
Bottom must be D	Part. Uniform Self Weight					18 PLF										

	Client:	84 Lumber-Fayetteville	#2307	Date:	12/16/2024	Page 2 of 2
	Project:	Caviness Land - CL256		Input by:	Kyle Militzer	1 490 2 01 2
isDesign	Address:	Caviness Land - CL250	0		e: CL2560 GR	
Isbesign	Address:					
				Project #		
HD1 2.0E 2900Fb	PWT LVL 1	.750" X 11.875"	3-Ply	- PASSED	Level: 2nd Flr	
			-			
• • • •	• • •	• • •	• •	• • •	• • • •	\$
						<u> </u>
					• • • •	
1 SPF End Grain 0-4-8					2 SPF End Grai	in 0-4-8 5 1/4"
ļ		19'8 1	/0"			
I		19.0 1	12			I
Multi-Ply Analysis						
Fasten all plies using 2 rov		ails (.148x3.25") at 1	2" o.c Na	il from both side	s. Maximum end distance	e not to
exceed 6". Clinch Nails wh	nere possible.					
Capacity	0.0 %					
_oad	0.0 PLF					
/ield Limit per Foot	235.2 PLF					
/ield Limit per Fastener	117.6 lb.					
CM	1					
/ield Mode	IV 1.1/0"					
Edge Distance	1 1/2"					
Min. End Distance ₋oad Combination	3"					
Duration Factor	1.00					
	1.00					
Notes					Manufacturer Info	U.S. Lumber 2160 Satellite Blvd., Suite 450, GA
This component analysis is based on the	loads,				Pacific Woodtech Corp	U.S.A
geometry and other conditions as entered by t and listed in this report. The user is respon	sible to				1850 Park Lane Burlington, WA 98233	30097 888-613-5078
ensure the accuracy of the input and the applica- the actual conditions of the structure for who	ich this				(800) 515-7570	
component is intended. This analysis is valid only product listed.					www.pwtewp.com ICC-ES: ESR-2909 ESR-2403 APA	
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, <u>, , , , , , , , , , , , , , , , , , </u>		Th	iis design is val	id until 9/3/2027		U.S. LUMBER