is	Design	(F	Client: Project: Address:	84 Lumber- CC2424-GL Lot 505 C	Fayetteville #2 505 CS Creekside Oa	307 aks South	Da Inp Jol	ite: out by: b Name:	1/24/202 Kyle Mili : CC2424	:5 tzer -GL-505 CS	3			Page 1 of 3
FB4 2.0	0E 2900Fb F	WT LVI	L 1.7	50" X 1	4.000"	2-Ply -	Pro PASSEE	oject #:	CC2424 evel: 2nd F	-GL-505 CS Floor	3			
			3				5							
	4										- 6			
↓	· • · ·	•	•	٠	2	•	•		•	•••	↓	•		
PM	T		F	МТ	att a star		·P	M.	Ţ. ·			•		1'2"
1 SPF E	nd Grain 0-3-8						•		2	SPF End (C Grain 0-5-8	<u> </u>		3 1/2"
					12'2"							\rightarrow		
Mombor In	formation						Postion	c DAT	TEDNED	lh (Unli	(f +)			
Туре:	Girder		Applicat	ion:	Floor		Brg Dire	ction	Live	De	ead a	Snow	Wind	Const
Plies:	2		Design	Method:	ASD		1 Verti	cal	4557	42	271	0	0	0
Moisture Con	dition: Dry		Building	Code:	IRC 2018		2 Verti	cal	5044	4	740	0	0	0
Deflection LL:	240		Deck:	haring:	Not Checked									
Importance:	Normal - II													
Temperature:	Temp <= 100	°F												
General Load							Bearings							
Floor Live:	40 PSF						Bearing	Length	Dir.	Cap. Re	act D/L lb	Total	Ld. Case	Ld. Comb.
Deau.	13 F 3F						End	3.500"	vert	96% 4.	271/4557	8829	L	D+L
Analysis Re	sults						Grain	5 500"	Vert	68% 4	740 / 5044	9784		D+I
Analysis	Actual	Location /	Allowed	Capacity	Comb.	Case	End	5.500	vert	0076 4	7407 3044	9704	L	D+L
Moment	26327 ft-lb	6' 1/16" 2	26792 ft-lb	98%	D+L	L	Grain							
U Deflinch	0 238 (I /583)	1001/2 : 6' () 385 (I /36(65%	D+L	L								
TL Defl inch	0.456 (L/304)	6' (0.577 (L/240)) 79%	L D+L	L								
Design Not	tes		(,			1							
1 Provide su	pport to prevent later	ral movemen	t and rotatio	n at the end	bearings.		4							
 2 Dead Load 3 Fasten all µ distance no 4 Refer to las 5 Concentrat 	Deflection: Instant = blies using 3 rows of ot to exceed 6". Cline st page of calculation and load fastener spe	= 0.219", Long 16d Sinker N ch Nails wher ns for fastene ecification is in	g Term = 0.3 Jails (.148x3 re possible. rs required n addition to	328". 3.25") at 12" for specified 9 hanger fast	o.c. Maximum loads. eners if a hang	end jer is								
present. 6 Girders are	e designed to be sup	ported on the	e bottom edd	ae only.										
7 Top loads r 8 Top must b 9 Bottom mu	must be supported e e laterally braced at st be laterally braced	qually by all p a maximum o d at end bear	olies. of 2'6" o.c. ings.											
ID	Load Type	L	ocation	Trib Width	Side	Dead 0.9	Live 1	Snov	w 1.15	Wind 1.6	Const. 1.2	25 Co	nments	
1	Point		0-1-12		Тор	1 lb	0 lb	I	0 lb	0 lb	0	lb Wa	I Self Weight	t
	Bearing Length		0-3-8											
2	Part. Uniform	0-3-8	to 12-2-0		Тор	531 PLF	531 PLF	:	0 PLF	0 PLF	0 PI	LF		
3	Part. Uniform	0-3-8	to 12-2-0		Тор	96 PLF	0 PLF		0 PLF	0 PLF	0 PI	LF Wa	I Self Weight	t
4 Continued on pa	Point age 2		1-7-3		Near Face	183 lb	463 lb	1	0 lb	0 lb	0	lb J11		
	.90 2											-		
Notes This component an geometry and other and listed in this re-	alysis is based on the lo conditions as entered by the port. The user is responsib of the input and the applicability	user le to							Manufactur Pacific Wood 1850 Park L Burlington, V	er Info dtech Corp ane VA 98233		U.S. Lun 2160 Sa U.S.A 30097 888-613	1ber tellite Blvd., Suit -5078	te 450, GA
component is intende product listed.	of the structure for which d. This analysis is valid only for other served by Pacific Wood	this fr the							(800) 515-75 www.pwtewp ICC-ES: ES	570 5.com R-2909 ESR R-L280	-2403 APA:			
Corp 1850 Park Lane	, випington, wA 98233				This	design is valid	until 9/3/2027							





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

Capacity	58.1 %
Load	205.0 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 1-7-3 with a minimum of (6) – 16d Sinker Nails (.148x3.25") in the

pattern shown.

Capacity	45.8 %	
Load	323.0lb.	
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	

Capacity	45.8 %	Min. 3"-+ +	—Min. 1 1/4"	
Load	323.0lb.			
Total Yield Limit	705.4 lb.			
Cg	0.9998	1 1/2"	/	
См	1		\circ	••
Yield Limit per Fastener	117.6 lb.	Min. <u>1</u> 1/4"	\circ \backslash \backslash \circ	
Yield Mode	IV			
Load Combination	D+L	IVIIN. 3"		
Duration Factor	1.00		\sim $/ $ \sim \sim	
Concentrated Load		─ <u>└</u> ┨──┥	o	• •
Fasten at concentrated	side load at 11-2-6 with a			
minimum of (5) – 16d S	inker Nails (.148x3.25") in the			
pattern shown.	х <i>У</i>		Min. 3"	
Capacity	65.0 %		10"	
Load	382.0lb.			12"
Total Yield Limit	587.8 lb.			
Cg	0.9998			
См	1			
Yield Limit per Fastener	117.6 lb.			
Yield Mode	IV			
Load Combination	D+L			
Duration Factor	1.00			
Notes			Manufacturer Info	U.S. Lumber
This component analysis is based on geometry and other conditions as entered and listed in this report. The user is re- ensure the accuracy of the input and the ap- the actual conditions of the structure for	the loads, by the user sponsible to splicability to		Pacific Woodtech Corp 1850 Park Lane Burlington, WA 98233 (800) 515 7570	2160 Satellite Blvd., Suite 450, GA U.S.A 30097 888-613-5078
component is intended. This analysis is valid product listed. Copyright 2023 All rights reserved by Pacifi Corp 1850 Park Lane, Burlington, WA 98233	only for the ic Woodtech		ww.pwtewp.com ICC-ES: ESR-2909 ESR-2403 APA: PR-L233 PR-L280	
		This design is valid until 9/3/2027		
Varsian 24.60.996 Powarad by iStru	uctIM Datacat: 25010801 1457			

		C	lient:	84 Lumber	-Fayetteville #2	307		Date:	1/24/202	5				Page 1 of 5
		Р	'roject:	CC2424-G	L-505 CS			Input by	y: Kyle Milit	zer				
is	Design	А	ddress:	Lot 505 (Creekside Oa	aks South		Job Na	me: CC2424-	GL-505 C	S			
								Project	#: CC2424-	GL-505 C	s			
FB2 2.0	DE 2900Fb	PWT LVL	1.7	50" X 1	4.000"	2-Plv -	PAS	SED	Level: 2nd F	loor				
						,								
		4	6		7	89			11	12				
	3													
				2										
	1	V	V		V		1		\checkmark	↓				
•		•	•	•		• • •	•	• •		•				
DIA				HALT	-			DIA						
	and the second s				all lycom			-M						
•			1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.	•		• • •	•	• •		•				V V V
	-4-6								25	PF 0-3-8				3 1/2"
									20	JII 0-0-0				
I ∤				<u> </u>	1' 3/8"						\rightarrow			
					1 0/0						I			
Member In	formation						Reac	tions P/	ATTERNED	lb (Up	lift)			
Туре:	Girder		Applicat	ion:	Floor		Brg	Direction	n Live		ead s	Snow	Wind	Const
Plies:	2		Design	Method:	ASD		1	Vertical	2595 (-168)		1390	0	0	0
Moisture Cond	dition: Dry		Building	Code:	IRC 2018		2	Vertical	2773 (-100)		1325	0	0	0
Deflection LL:	360		Load Sh	naring:	No				. ,					
Deflection TL:	240		Deck:		Not Checked									
Importance:	Normal - II													
Temperature:	Temp <= 10	0°F												
General Load							Bear	ings						
Floor Live:	40 PSF						Bea	ring Len	gth Dir.	Cap. R	eact D/L lb	Total Lo	I. Case	Ld. Comb.
Dead:	15 PSF						1-5	SPF 4.37	5" Vert	61%	1390 / 2595	3985 L		D+L
	-		<u> </u>				2-8	SPF 3.50	0" Vert	79%	1325 / 2773	4099 L		D+L
Analysis Re	sults													
Analysis	Actual	Location A	llowed	Capacity	y Comb.	Case								
Moment	11204 ft-lb	5'10" 2'	6792 ft-lb	42%	D+L	L								
Shear	4544 lb	9'6 7/8" 9	310 lb	49%	D+L	L								
LL Defl inch	0.108 (L/1169)	5'8 1/4" 0	.350 (L/360)) 31%	L	L								
TL Defl inch	0.163 (L/773)	5'8 1/4" 0	.525 (L/240)) 31%	D+L	L								
Design Not	.						Ĩ							
1 Provide su	port to prevent late	eral movement	and rotatio	n at the end	d bearings.		1							
2 Dead Load	Deflection: Instant	= 0.055", Long	3 Term = 0.()83".	a bouinigo.									
3 Fasten all p	olies using 3 rows o	of 16d Sinker N	ails (.148x3	3.25") at 12"	o.c. Maximum	end								
distance no	ot to exceed 6". Clir	ich Nails where	possible.	6	d 1 d -									
4 Refer to las	st page of calculation	ns for fastener	s required i	or specified	1 10ads. teners if a hanc	ner is								
present.				nanger las										
6 Girders are	designed to be su	pported on the	bottom edg	je only.										
7 Top loads r	nust be supported	equally by all pl	lies.											
9 Bottom mu	e laterally braced a st he laterally brace	end bearings.	nas											
	Load Type		ocation	Trib Width	Side	Dead 0.9	J	ive 1 S	now 1 15	Wind 1 f	Const 1	25 Comm	ents	
	Tie In	0.0.04		1 10 0 to	Tan		-						CIII3	
1	He-In	0-0-0 to	5 2-11-2	1-10-2 to 1-10-2	юр	15 PSF	40) PSF	0 PSF	0 PSF	- UP:	5F		
2	Part Uniform	0-0-0 tr	0 7-2-14		Ton	48 PI F		D PI F			- 0 PI	F Wall Se	alf Weight	ł
2		0-0-0 1			10p					0111			in weight	
3	Part. Uniform	0-0-6	to 6-0-6		Far Face	131 PLF	26	5 PLF	0 PLF	0 PLF	· 0 PI	_F		
4	Point		3-0-6		Near Face	126 lb	4	484 lb	0 lb	0 11	0 0	lb J9		
Continued on pa	age 2													
Nata									Manufactur	er Info		U.S. Lumber		
Notes This component an	alysis is based on the	loads,							Pacific Wood	tech Corp		2160 Satellite	e Blvd., Suit	te 450, GA
geometry and other of and listed in this re	conditions as entered by th port. The user is respons	e user ible to							1850 Park La	ane		30097	~o	
ensure the accuracy of the actual conditions	of the input and the applicat of the structure for which	pility to this							(800) 515-75	VA 96233 570		000-013-307	0	-
product listed.	 This analysis is valid only 	for the							www.pwtewp	0.com 2-2909 ES	R-2403 APA.			
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1					This	design is valid	until 9/3/	2027	1					



Notes	Manufacturer Info	U.S. Lumber 2160 Satallita Blvd Suita 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	Pacific Woodtech Corp 1850 Park Lane Burlington, WA 98233	U.S.A 30097 888-613-5078
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fastening. Maximum end distance not to exceed 6". Clinch Nails where possible.

Capacity	56.6 %
Load	199.5 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 3-0-6 with a

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

pattern shown.		
Capacity	43.2 %	
Load	305.0lb.	
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	

Concentrated Load

Notes

Fasten at concentrated side load at 5-10-0 with a minimum of (6) – 16d Sinker Nails (.148x3.25") in the pattern shown.

Capacity	53.2 %	
Load	375.0lb.	
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



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> CSD DESIGN BUILD



Concentrated Load

Fasten at concentrated side load at 7-0-6 with a

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

pattern	shown
---------	-------

Capacity	54.4 %
Load	384.0lb.
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

Concentrated Load

Fasten at concentrated side load at 7-5-3 with a minimum of (6) – 16d Sinker Nails (.148x3.25") in the

pattern shown.

Capacity	60.8 %	
Load	429.0lb.	
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	



Notes	Manufacturer Info	U.S. Lumber	
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Concentrated Load

Fasten at concentrated side load at 9-0-6 with a

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

Capacity	50.8 %	
Load	358.5lb.	
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	

Concentrated Load

Fasten at concentrated side load at 10-7-9 with a minimum of (3) - 16d Sinker Nails (.148x3.25") in the

pattern snown.		
Capacity	61.2 %	
Load	216.0lb.	
Total Yield Limit	352.7 lb.	
Cg	0.9998	
См	1	
Yield Limit per Fastener	117.6 lb.	
Yield Mode	IV	
Load Combination	D+L	
Duration Factor	1.00	



Notes	Manufacturer Info	U.S. Lumber	
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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	(800) 515-7570 www.pwtewp.com ICC-ES: ESR-2909 ESR-2403 APA: PR-L233 PR-L280		
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		C	Client: 8	34 Lumber-	Fayetteville #2	2307	Dat	e:	1/24/202	5				Page 1 of 8
		F	Project: 0	CC2424-GI	505 CS		Inpu	ut by:	Kyle Mili	zer				
İS	Design	A	Address:	_ot 505 C	Creekside O	aks South	Job	Name	: CC2424-	GL-505 C	S			
							Pro	ject #:	CC2424	GL-505 C	S			
FB3 2.0)E 2900Fb	PWT LVL	_ 1.75	50" X 2	4.000"	4-Ply -	PASSED		Level: 2nd F	loor				
) 									
						ЦЩ				чш	17			
		2 3	4	7	8	9 10	12	15	16 1	4				
	1	.ll.		L	I.	L L	5 11			1	3			
•		VV	V .	. V .	. V	VV		V.	<u>.</u>			•		ПП
														- MM
PMT		ML··		чт •	P	ML		ALE	-	PN	IT.			2'
	A COLOR OF COMPANY													
1 SPF End	Grain 0-3-8										2 SPF	0-5-8		7"
1					24'2"							1		
Member In	formation						Reactions		TERNED	lh (Un	lift)			
	Girder		Applicatio	<u></u>	Floor			tion			lint)	Spow	Wind	Const
Plies:	4		Design M	lethod [.]	ASD		1 Vertic	al	5685		5659	0	VVIIIU 0	Const
Moisture Cond	dition: Drv		Building	Code:	IRC 2018		2 Vertic	ai al	6391		3675	0	0	0
Deflection LL:	360		Load Sha	aring:	Yes		Z Veruc	ai	0031	,	5075	0	0	0
Deflection TL:	240		Deck:	U	Not Checked									
Importance:	Normal - II													
Temperature:	Temp <= 10	00°F												
General Load							Bearings							
Floor Live:	40 PSF						Bearing I	Length	Dir.	Cap. R	eact D/L lb	Total	Ld. Case	Ld. Comb.
Dead:	15 PSF						1 - SPF 3	3.500"	Vert	62%	5659 / 5685	11343	L	D+L
	- 14-						_ End Grain							
Analysis Re	suits			<u> </u>				5 500"	Vert	80%	3675 / 6391	13066	i.	D+I
Analysis	Actual	Location A		Capacity	Comb.	Case								
Moment	89566 IT-ID	12'6 9/16" 1	147033 π-Ib	61%	D+L	L								
Snear	12351 ID	21'8 1/2" 3	31920 ID	39%	D+L	L								
LL Defi inch	0.294 (L/963)	12.1 1/2. 0).785 (L/360)	37%	L	L .								
I L Defi Inch	0.592 (L/477)	12113/16 1	1.178 (L/240)	50%	D+L	L	4							
Design Not	es						1							
1 Provide sup	port to prevent la	teral movement	t and rotation	at the end	bearings.									
3 Fasten all p	lies using 3 rows	of SDW22634 a	g renn = 0.44 at 24" o.c. Ma	io . aximum ene	d distance not	to exceed								
12".	liee denig e lette	0. 00												
4 Refer to las	t page of calculat	ions for fastener	rs required fo	or specified	loads.									
present.	ed load fastener s	specification is in	h addition to I	hanger fasi	eners if a nang	geris								
6 Simpson fa	steners applied fr	om a single side	e of the mem	ber use tip	values where	published.								
7 Girders are	designed to be s	upported on the	bottom edge	e only.										
9 Top must b	nust be supported	at a maximum c	olles. of 4'9 11/16"	n c										
10 Bottom mus	st be laterally brac	ced at end beari	ings.											
ID	Load Type	L	ocation T	rib Width	Side	Dead 0.9	Live 1	Sno	w 1.15	Wind 1.6	Const. 1.	25 Con	nments	
1	Part. Uniform	0-6-10	to 4-1-0		Far Face	219 PLF	280 PLF		0 PLF	0 PLF	0 P	LF		
2	Point		4-9-10		Far Face	359 lb	482 lb		0 lb	0 lk) ()lb J7		
3	Point		6-4-13		Far Face	368 lb	483 lb		0 lb	0 14	, r) lb .17		
	Doint		800		For Ecco	240 IL	100 ID			0.11) ID 17		
4 Continued on pa	1 UIII ne 2		0-0-0		I dI F dUE	31810	403 ID		นเบ	UIL	, ι	זע טוי		
Continued on pa	ye ∠													
									Manufactur	er Info		U.S. Lum	ıber	
Notes This component and	alysis is based on the	loads,						F	Pacific Wood	Itech Corp		2160 Sat	ellite Blvd., Sui	te 450, GA
geometry and other of and listed in this re	onditions as entered by port. The user is respon	the user isible to							1850 Park L	ane VA 98233		30097	5078	
ensure the accuracy of the actual conditions	of the input and the applic of the structure for wh	ability to hich this							(800) 515-75	570		000-013-		
product listed.	hte received by Desific M								www.pwtewp ICC-ES: ESI	o.com R-2909 ESI	R-2403 APA:			
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					Ihis	uesign is valid	i untii 9/3/2027					1		



48 PLF

Notes	Manufacturer Info	U.S. Lumber
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This design is valid until 9/3/2027		

Self Weight



Fasten all plies using 3 rows of SDW22634 at 24" o.c.. except for regions covered by concentrated load fastening. Maximum end distance not to exceed 12".

Capacity	83.2 %
Load	374.3 PLF
Yield Limit per Foot	450.0 PLF
Yield Limit per Fastener	300.0 lb.
См	1
Yield Mode	Lookup
Edge Distance	1 1/2"
Min. End Distance	6"
Load Combination	D+L
Duration Factor	1.00

Concentrated Load

Fasten at concentrated side load at 4-9-10 with a

minimum of (6) – SDW22634 in the pattern shown.

All fasteners shall be installed with the head on the

side of the a	applied	load.
---------------	---------	-------

Capacity	26.3 %	
Load	630.8lb.	
Total Yield Limit	2400.0 lb.	
Cg	1.0000	
См	1	
Yield Limit per Fastener	400.0 lb.	
Yield Mode	Lookup	
Load Combination	D+L	
Duration Factor	1.00	

Min/Max fastener distances for Concentrated Side Loads



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Concentrated Load

Fasten at concentrated side load at 6-4-13 with a minimum of (6) – SDW22634 in the pattern shown. All fasteners shall be installed with the head on the side of the applied load.

Capacity	26.6 %	_
Load	638.3lb.	
Total Yield Limit	2400.0 lb.	
Cg	1.0000	
См	1	
Yield Limit per Fastener	400.0 lb.	
Yield Mode	Lookup	
Load Combination	D+L	
Duration Factor	1.00	

Concentrated Load

Fasten at concentrated side load at 8-0-0 with a minimum of (6) – SDW22634 in the pattern shown. All fasteners shall be installed with the head on the side of the applied load.

Capacity	25.1 %
Load	601.5lb.
Total Yield Limit	2400.0 lb.
Cg	1.0000
См	1
Yield Limit per Fastener	400.0 lb.
Yield Mode	Lookup
Load Combination	D+L
Duration Factor	1.00



Notes	Manufacturer Info	U.S. Lumber
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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 Copyright	(800) 515-7570 www.pwtewp.com ICC-ES: ESR-2909 ESR-2403 APA: PR-L233 PR-L280	
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Concentrated Load

Fasten at concentrated side load at 9-7-3 with a minimum of (6) – SDW22634 in the pattern shown. All fasteners shall be installed with the head on the side of the applied load.

side of the applied load.		
Capacity	24.3 %	
Load	584.3lb.	
Total Yield Limit	2400.0 lb.	
Cg	1.0000	
См	1	
Yield Limit per Fastener	400.0 lb.	
Yield Mode	Lookup	
Load Combination	D+L	
Duration Factor	1.00	

Concentrated Load

Fasten at concentrated side load at 11-2-6 with a minimum of (6) – SDW22634 in the pattern shown. All fasteners shall be installed with the head on the side of the applied load.

Capacity	26.4 %
Load	634.5lb.
Total Yield Limit	2400.0 lb.
Cg	1.0000
См	1
Yield Limit per Fastener	400.0 lb.
Yield Mode	Lookup
Load Combination	D+L
Duration Factor	1.00



Notes	Manufacturer Info	U.S. Lumber
s component analysis is based on the loads, metry and other conditions as entered by the user d listed in this report. The user is responsible to sure the accuracy of the input and the applicability to	Pacific Woodtech Corp 1850 Park Lane Burlington, WA 98233	U.S.A 30097 888-613-5078
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Concentrated Load

Fasten at concentrated side load at 12-9-10 with a minimum of (6) – SDW22634 in the pattern shown. All fasteners shall be installed with the head on the side of the applied load.

Capacity	23.5 %
Load	564.0lb.
Total Yield Limit	2400.0 lb.
Cg	1.0000
См	1
Yield Limit per Fastener	400.0 lb.
Yield Mode	Lookup
Load Combination	D+L
Duration Factor	1.00

Concentrated Load

Fasten at concentrated side load at 14-0-0 with a minimum of (6) – SDW22634 in the pattern shown. All fasteners shall be installed with the head on the side of the applied load.

Capacity	26.7 %
Load	640.5lb.
Total Yield Limit	2400.0 lb.
Cg	1.0000
См	1
Yield Limit per Fastener	400.0 lb.
Yield Mode	Lookup
Load Combination	D+L
Duration Factor	1.00



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Concentrated Load

Fasten at concentrated side load at 16-0-0 with a minimum of (6) – SDW22634 in the pattern shown. All fasteners shall be installed with the head on the side of the applied load.

Capacity	27.3 %	
Load	655.5lb.	
Total Yield Limit	2400.0 lb.	
Cg	1.0000	
См	1	
Yield Limit per Fastener	400.0 lb.	
Yield Mode	Lookup	
Load Combination	D+L	
Duration Factor	1.00	

Concentrated Load

Fasten at concentrated side load at 17-2-4 with a minimum of (6) – SDW22634 in the pattern shown. All fasteners shall be installed with the head on the side of the applied load.

Capacity	20.0 %	
Load	480.0lb.	
Total Yield Limit	2400.0 lb.	
Cg	1.0000	
См	1	
Yield Limit per Fastener	400.0 lb.	
Yield Mode	Lookup	
Load Combination	D+L	
Duration Factor	1.00	



Notes	Manufacturer Info	U.S. Lumber
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Concentrated Load

Fasten at concentrated side load at 18-0-0 with a minimum of (6) – SDW22634 in the pattern shown. All fasteners shall be installed with the head on the side of the applied load.

Capacity	13.8 %
Load	332.3lb.
Total Yield Limit	2400.0 lb.
Cg	1.0000
См	1
Yield Limit per Fastener	400.0 lb.
Yield Mode	Lookup
Load Combination	D+L
Duration Factor	1.00



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	Client:	84 Lumber-Fayetteville #2307	Date:	1/24/2025	Page 2 of 2
	Project:	CC2424-GL-505 CS	Input by:	Kyle Militzer	
isDesign	Address	Lat 505 Creakside Oaks South	loh Name	CC2424-GL-505 CS	
132 631311	, (adi 666).	Eor 505 Creekside Oaks Souti	Project #:	CC2424 GL 505 CS	
HD1 2.0E 2900F	b PWT LVL 1	.750" X 24.000" 3-Ply	- PASSED	Level: 2nd Floor	
• • • •	• • • •		• • •	• • • •	· m
					15. M.a.
	• • • • •		• • •		
1 SPE End Grain 0-3-0	••••		• • •	2 SPE End Grain 0.3 0	
				2 SFF Elid Grain 0-3-0	51/4
/					
1		20'6"			1
Multi-Ply Analysis					
Fasten all plies using 3 i	ows of 16d Sinker N	lails (.148x3.25") at 12" o.c Na	il from both sides	. Maximum end distance r	not to
exceed 6". Clinch Nails	where possible.				
Canacity	0.0%				
oad	0.0 PI F				
/ield Limit per Foot	352 8 PLF				
/ield Limit per Fastener	117.6 lb				
	1				
vield Mode	IV				
	1 1/2"				
	1 1/2				
Ain. End Distance	3"				
Load Combination					
Duration Factor	1.00				
				Manufacturer Info	U.S. Lumber
Notes	the leads		-	Pacific Woodtech Corp	2160 Satellite Blvd., Suite 450, GA
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