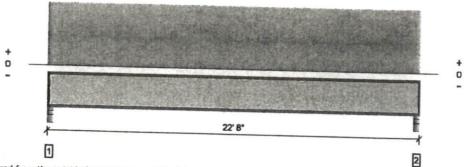
FORTE JOB SUMMARY REPORT

Member Name	Results	Current Solution	
Garage I-joist	Passed	1 Piece(s) 16" TJI® 360 @ 19.2" OC	Comments
Garage Door Header	Passed	2 Piece(s) 1 3/4" x 14" 1.9E Microllam® LVL	
Beam @ Kitchen/Great Room CO	Passed	2 Piece(s) 1 3/4" x 9 1/4" 1.9E Microllam® LVL	
Beam @ Dining/foyer to Great room	Passed		
Beam between Dining and Foyer	Passed	2 Piece(s) 1 3/4" x 11 7/8" 1.9E Microllam® LVL 2 Piece(s) 1 3/4" x 9 1/4" 1.9E Microllam® LVL	

Forte Software Operator	Job Notes
	LOT 4 PONDEROSA Rd SANFORD, NC

PASSED

Overall Length: 22' 8"



All locations are measured from the outside face of left support (or left cantilever end). All dimensions are horizontal.; Drawing is Conceptual

Design Results	Actual @ Location	Allowed	Result	1 DEED	IS I STATE OF THE
Member Reaction (lbs)	934 @ 2 1/2"		Result	LDF	Load: Combination (Pattern)
Shear (lbs)		1202 (2.25")	Passed (78%)	1.00	1.0 D + 1.0 L (All Spans)
	919 @ 3 1/2"	2190	Passed (42%)	1.00	1.0 D + 1.0 L (All Spans)
Moment (Ft-lbs)	5149 @ 11' 4"	8405	Passed (61%)	1.00	1.0 D 1.1.0 L (All Sparts)
Live Load Defl. (in)	0.410 @ 11' 4"	0.556		1.00	1.0 D + 1.0 L (All Spans)
Total Load Defl. (in)			Passed (L/652)		1.0 D + 1.0 L (All Spans)
	0.533 @ 11' 4"	1.112	Passed (L/501)		1.0 D + 1.0 L (All Spans)
TJ-Pro™ Rating Deflection criteria: LL (L/480) a	41	40	Passed		Lio E (rui Spalis)

L (L/480) and TL (L/240).

Bracing (Lu): All compression edges (top and bottom) must be braced at 4' 3 1/8" o/c unless detailed otherwise. Proper attachment and positioning of lateral

A structural analysis of the deck has not been performed.

 Deflection analysis is based on composite action with a single layer of 23/32" Weyerhaeuser Edge™ Panel (24" Span Rating) that is glued and nailed down. Additional considerations for the TJ-Pro™ Rating include: 1/2" Gypsum ceiling.

		Bearing			s to Suppor	ts (lbs)	and the contract of
Supports	Total	Available	Required	Dead	Floor	Total	Accessories
1 - Stud wall - SPF	3.50"	2.25"	1.75"	218	725	SALES SALES	
2 - Stud wall - SPF	3.50"	2.25"				943	1 1/4" Rim Board
e Rim Board is assumed to		2.25	1.75"	218	725	943	1 1/4" Rim Board

is assumed to carry all loads applied directly above it, bypassing the member being designed.

Loads	Location	Spacing	Dead (0.90)	Floor Live (1.00)		
1 - Uniform (PSF)		The Park of the Pa	(0.50)	(2.00)	Comments	
1 - Onliorm (PSF)	0 to 22' 8"	19.2"	12.0	40.0	Residential - Living	

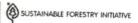
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The product application, input design loads, dimensions and support information have been provided by MAP

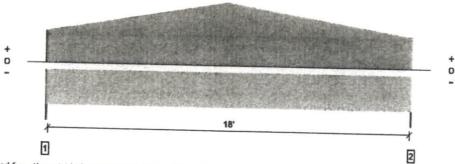


System: Floor Member Type : Joist Building Use: Residential Building Code: IBC Design Methodology : ASD

Forte Software Operator	Job Notes					
	RAY WICKER CONSTRUCTION LOT 4 PONDEROSARD SANFORD, NC					

FORTE MEMBER REPORT Level, Garage Door Header 2 piece(s) 1 3/4" x 14" 1.9E Microllam® LVL

Overall Length: 18' 3"



All locations are measured from the outside face of left support (or left cantilever end). All dimensions are horizontal.; Drawing is Conceptual

Design Results	Actual @ Location	Allowed	Result	LOF	The second second
Member Reaction (lbs)	1529 @ 0	3806 (1.50")	Passed (40%)		Load: Combination (Pattern)
Shear (lbs)	1368 @ 1' 3 1/2"	9310			1.0 D + 1.0 L (All Spans)
Moment (Ft-lbs)	7649 @ 9' 1 1/8"	24258	Passed (15%)	1.00	1.0 D + 1.0 L (All Spans)
Live Load Defl. (in)	0.140 @ 9' 1 1/2"	0.608	Passed (32%)		1.0 D + 1.0 L (All Spans)
Total Load Defl. (in)	0.316 @ 9' 1 7/16"		Passed (L/999+)		1.0 D + 1.0 L (All Spans)
• Deflection criteria: 11 (1/360)		0.913	Passed (L/693)		1.0 D + 1.0 L (All Spans)

Bracing (Lu): All compression edges (top and bottom) must be braced at 18' 3" o/c unless detailed otherwise. Proper attachment and positioning of lateral bracing is required to achieve member stability.

Supports		Bearing			s to Suppor	ts (lbs)	
	Total	Available	Required	Dead	Floor	Total	Accessories
1 - Trimmer - SPF	1.50"	1.50"	1.50"	799	730	1529	None
2 - Trimmer - SPF	1.50"	1.50"	1.50"	786	730	1516	None

Loads	Location	Tributary Width	Dead (0.90)	Floor Live (1.00)	Comments
1 - Uniform (PSF)	0 to 18' 3"	2'	12.0	40.0	THE REAL PROPERTY.
2 - Tapered (PLF)	0 to 9'	N/A	0.0 to 100.0	40.0	Floor Load
3 - Tapered (PLF)	011.101		0.0 to 100.0		Gable Wall Load
o Tapered (PLF)	9' to 18'	N/A	100.0 to 0.0	-	Gable Wall load

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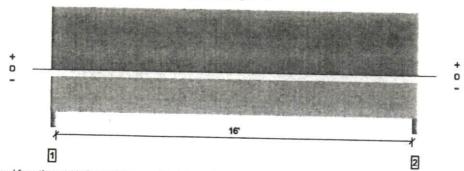


System: Wall Member Type : Header Building Use: Residential Building Code: IBC Design Methodology: ASD

Forte Software Operator	Job Notes
	RAY WICKER CONSTRUCTION LOT 4 PONDEROSA Rd SANFORD, NC

3 piece(s) 1 3/4" x 16" 1.9E Microllam® LVL

Overall Length: 16' 6"



All locations are measured from the outside face of left support (or left cantilever end). All dimensions are horizontal.;Drawing is Conceptual

Design Results	Actual @ Location	Allowed	Result	IDE	Load: Combination (Pattern)
Member Reaction (lbs)	8003 @ 1 1/2"	11419 (3.00")	Passed (70%)		
Shear (lbs)	5738 @ 1' 7"	15960		1.00	1.0 D + 0.75 L + 0.75 Lr (All Spans) 1.0 D + 1.0 L (All Spans)
Moment (Ft-lbs)	28410 @ 8' 3"	46671	Passed (61%)		
Live Load Defl. (in)	0.310 @ 8' 3"	-	Passed (L/629)		1.0 D + 1.0 L (All Spans)
Total Load Defl. (in)	0.493 @ 8' 3"	0.813			1.0 D + 0.75 L + 0.75 Lr (All Spans)
· Deflection criteria: 11 (1/360)		0.013	Passed (L/395)		1.0 D + 0.75 L + 0.75 Lr (All Spans)

Bracing (Lu): All compression edges (top and bottom) must be braced at 11' 3 5/16" o/c unless detailed otherwise. Proper attachment and positioning of lateral bracing is required to achieve member stability.

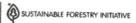
		Bearing			Loads to S			
Supports	Total	Available	Required	Dead	Floor Live	Roof Live	Total	Accessories
1 - Trimmer - SPF	3.00"	3.00"	2.10"	2976	4125	2578	9679	None
2 - Trimmer - SPF	3.00"	3.00"	2.10"	2976	4125	2578	9679	None

Loads	Location	Tributary Width	Dead (0.90)	Floor Live (1.00)	Roof Live (non-snow: 1.15)	Comments
1 - Uniform (PSF)	0 to 16' 6"	12' 6"	12.0	40.0	The state of the s	Residential - Living
2 - Uniform (PSF)	0 to 16' 6"	12' 6"	15.0		25.0	Roof Load

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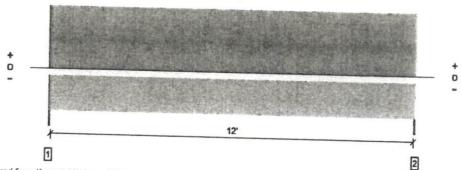


System: Wall Member Type : Header Building Use: Residential Building Code: IBC Design Methodology: ASD

Forte Software Operator	Job Notes
1	LOT 4 PONTEROSA RA SANTORA NC

2 piece(s) 1 3/4" x 9 1/4" 1.9E Microllam® LVL

Overall Length: 12' 3"



All locations are measured from the outside face of left support (or left cantilever end). All dimensions are horizontal.; Drawing is Conceptual

Design Results	Actual @ Location	Allowed	Result	a lawye	I
Member Reaction (lbs)	2015 @ 0		Result		Load: Combination (Pattern)
Shear (lbs)		3806 (1.50")	Passed (53%)		1.0 D + 1.0 L (All Spans)
	1720 @ 10 3/4"	6151	Passed (28%)		1.0 D + 1.0 L (All Spans)
Moment (Ft-lbs)	6170 @ 6' 1 1/2"	11204		1.00	1.0 D + 1.0 L (All Spans)
Live Load Defl. (in)	0.245 @ 6' 1 1/2"				1.0 D + 1.0 L (All Spans)
Total Load Defl. (in)		0.408	Passed (L/600)		1.0 D + 1.0 L (All Spans)
Deflection criterio. 11 (1750)	0.403 @ 6' 1 1/2"	0.613	Passed (L/365)		1.0 D + 1.0 L (All Spans)

System: Wall Member Type : Header Building Use: Residential Building Code : IBC Design Methodology: ASD

Bracing (Lu): All compression edges (top and bottom) must be braced at 12' 3" o/c unless detailed otherwise. Proper attachment and positioning of lateral bracing is required to achieve member stability.

	Bearing			Load	s to Suppor	ts (lbs)	
Supports	Total	Available	Required	Dead	Floor	Total	Accessories
1 - Trimmer - SPF	1.50"	1.50"	1.50"	790	1225	2015	None
2 - Trimmer - SPF	1.50"	1.50"	1.50"	790	1225	2015	None

Loads	Location	Tributary Width	Dead (0.90)	Floor Live (1.00)	Comments
1 - Uniform (PSF)	0 to 12' 3"	6'	12.0	20.0	Dining Rm Ceiling
2 - Uniform (PSF)	0 to 12' 3"	4'	12.0	20.0	Foyer Ceiling Load

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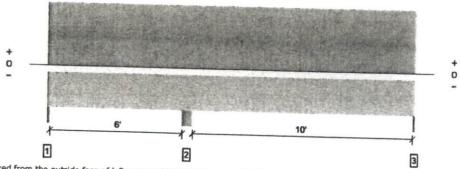
The product application, input design loads, dimensions and support information have been provided by MAP

Forte Software Operator	Job Notes					
	RAY WICKER CONSTRUCTION					

Deflection criteria: LL (L/360) and TL (L/240).

2 piece(s) 1 3/4" x 11 7/8" 1.9E Microllam® LVL

Overall Length: 16' 9"



All locations are measured from the outside face of left support (or left cantilever end). All dimensions are horizontal.; Drawing is Conceptual

Actual @ Location	Allowed	10.00	THE REAL PROPERTY.	
The second secon	A STATE OF THE PARTY OF THE PAR		LDF	Load: Combination (Pattern)
	3806 (1.50")	Passed (75%)		1.0 D + 1.0 L (Alt Spans)
3315 @ 7' 7 3/8"	7897	Passed (42%)		1.0 D + 1.0 L (All Spans)
-6894 @ 6' 4 1/2"	17848	-	1.00	1.0 D + 1.0 L (All Spalls)
0.043 @ 11' 11 5/16"			1.00	1.0 D + 1.0 L (All Spans)
		Passed (L/999+)		1.0 D + 1.0 L (Alt Spans)
0.135 @ 12' 3/8"	0.519	Passed (L/926)		1.0 D + 1.0 L (Alt Spans)
	0.043 @ 11' 11 5/16" 0.135 @ 12' 3/8"	2856 @ 16' 9" 3806 (1.50") 3315 @ 7' 7 3/8" 7897 -6894 @ 6' 4 1/2" 17848 0.043 @ 11' 11 5/16" 0.346 0.135 @ 12' 3/8" 0.519	2856 @ 16' 9" 3806 (1.50") Passed (75%) 3315 @ 7' 7 3/8" 7897 Passed (42%) -6894 @ 6' 4 1/2" 17848 Passed (39%) 0.043 @ 11' 11 5/16" 0.346 Passed (1/999+) 0.135 @ 12' 3/8" 0.519 Passed (1/036)	2856 @ 16' 9" 3806 (1.50") Passed (75%) 3315 @ 7' 7 3/8" 7897 Passed (42%) 1.00 -6894 @ 6' 4 1/2" 17848 Passed (39%) 1.00 0.043 @ 11' 11 5/16" 0.346 Passed (L/999+)

Bracing (Lu): All compression edges (top and bottom) must be braced at 16' 9" o/c unless detailed otherwise. Proper attachment and positioning of lateral bracing is required to achieve member stability.

	Bearing			Load	ds to Suppor	San	
Supports	Total	Available	Required	Dead	Floor Live	Total	Accessories
1 - Trimmer - SPF	1.50"	1.50"	1.50°	743	577/-261	1320/-261	THE RESIDENCE OF THE PARTY OF T
2 - Trimmer - SPF	6.00"	6.00"	2.90"	5175	-		None
3 - Trimmer - SPF	1.500			51/5	2195	7370	None
0,1	1.50"	1.50"	1.50"	1979	877/-37	2856/-37	None

Loads	Location	Tributary Width	Dead (0.90)	Floor Live (1.00)	Comments
1 - Uniform (PSF)	0 to 16' 9"	10°	12.0	20.0	Ceiling Load from
2 - Uniform (PLF)	0 to 16' 9"	1 1/4		20.0	Great Room
2 11-15 (200)	010103	N/A	200.0		Wall Load
3 - Uniform (PSF)	0 to 16' 9"	7'	20.0	-	Ceiling load from

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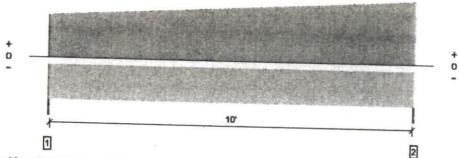


System : Wall Member Type : Header Building Use: Residential Building Code: IBC Design Methodology: ASD

Forte Software Operator	Job Notes
	LOT 4 PONDEROSA Rd SANFORD NC

2 piece(s) 1 3/4" x 9 1/4" 1.9E Microllam® LVL

Overall Length: 10' 3"



All locations are measured from the outside face of left support (or left cantilever end). All dimensions are horizontal.; Drawing is Conceptual

Design Results	Actual @ Location	Allowed	Result	100	P. C. C.
Member Reaction (lbs)	1337 @ 10' 3"	3806 (1.50")	Descrit (250)	LDF	Load: Combination (Pattern)
Shear (lbs)	1080 @ 9' 4 1/4"		Passed (35%)	-	1.0 D + 1.0 L (All Spans)
Moment (Ft-lbs)		6151	Passed (18%)	1.00	1.0 D + 1.0 L (All Spans)
	3233 @ 5' 3 3/8"	11204	Passed (29%)	1.00	1.0 D + 1.0 L (All Spans)
Live Load Defl. (in)	0.074 @ 5' 1 1/2"	0.342	Passed (L/999+)		1.0 D + 1.0 L (All Spans)
Total Load Defl. (in)	0.151 @ 5' 1 15/16"	0.512	Passed (L/813)		
Deflection criteria: LL (L/360)	and TI (1/240)	UIJIE	Tr 033EU (L/013)		1.0 D + 1.0 L (All Spans)

Bracing (Lu): All compression edges (top and bottom) must be braced at 10' 3" o/c unless detailed otherwise. Proper attachment and positioning of lateral bracing is required to achieve member stability.

Supports		Bearing			s to Suppor		
	Total	Available	Required	Dead	Floor	Total	Accessories
1 - Trimmer - SPF	1.50"	1.50"	1.50"	FCO	Live	TO PERSON	Accesso) les
2 - Trimmer - SPF			1.50	569	615	1184	None
2 Triminer - SPF	1.50"	1.50"	1.50"	722	615	1337	None

Loads	Location	Tributary Width	Dead (0.90)	Floor Live (1.00)	Comments
1 - Uniform (PSF)	0 to 10' 3"	6'	12.0	20.0	Kitchen Ceiling Load
2 - Tapered (PLF)	0 to 10' 3"	N/A	0.0 to 90.0		Wall Load

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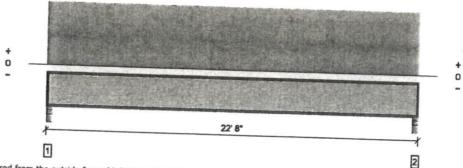
SUSTAINABLE FORESTRY INITIATIVE

System: Wall Member Type : Header Building Use: Residential Building Code: IBC Design Methodology: ASD

Forte Software Operator	Job Notes				
	LOT 4 PONTEROSA RO				
	SANFORD, NE				

1 piece(s) 16" TJI® 360 @ 19.2" OC

Overall Length: 22' 8"



All locations are measured from the outside face of left support (or left cantilever end). All dimensions are horizontal

Design Results	Actual @ Location	omensions are nonzontal.				
Member Reaction (lbs)	The second secon	Allowed	Result	LDF	Load: Combination (Pattern)	
	934 @ 2 1/2"	1202 (2.25")	Passed (78%)	1.00	1.0 D + 1.0 L (All Spans)	
Shear (lbs)	919 @ 3 1/2"	2190		1.00	1.0 D + 1.0 L (All Spans)	
Moment (Ft-lbs)	5149 @ 11' 4"	8405		1.00	1.0 D + 1.0 L (All Spans)	
Live Load Defl. (in)	0.410 @ 11' 4"		Passed (61%)	1.00	1.0 D + 1.0 L (All Spans)	
Total Load Defl. (in)		0.556	Passed (L/652)		1.0 D + 1.0 L (All Spans)	
	0.533 @ 11' 4"	1.112	Passed (L/501)			
TJ-Pro™ Rating	41	40	Passed	1	1.0 D + 1.0 L (All Spans)	
 Deflection criteria: LL (1/480) = 	and TI (1/240)	10	rasseu			

System: Floor Member Type : Joist Building Use: Residential Building Code: IBC Design Methodology: ASD

- ria: LL (L/480) and TL (L/240).
- Bracing (Lu): All compression edges (top and bottom) must be braced at 4' 3 1/8" o/c unless detailed otherwise. Proper attachment and positioning of lateral bracing is required to achieve member stability.

 A structural analysis of the deck has not been performed.
- Deflection analysis is based on composite action with a single layer of 23/32" Weyerhaeuser Edge™ Panel (24" Span Rating) that is glued and nailed down. • Additional considerations for the TJ-Pro[†] Rating include: 1/2" Gypsum ceiling.

Cumpant		Bearing Length			s to Suppor		
Supports	Total	Available	Required	Dead	Floor	Total	Accessories
l - Stud wall - SPF	3.50"	2.25"	1.75"	210	Live	S DESCRIPTION OF	
2 - Stud wall - SPF	3.50"			218	725	943	1 1/4" Rim Board
Rim Board is assumed to car		2.25"	1.75"	218	725	943	1 1/4" Rim Board

d to carry all loads applied directly above it, bypassing the member being designed.

	(1) · 在 日 日 日 日 日 日 日 日 日 日 日 日 日 日 日 日 日 日	A STATE OF THE PARTY OF THE PAR	EDITOR OF THE PARTY OF THE PART		
Loads	Location	Spacing	Dead (0.90)	Floor Live	
1 - Uniform (PSF)		The second second	(0.50)	(1.00)	Comments
	0 to 22' 8"	19.2"	12.0	40.0	Residential - Living

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Forte Software Operator	Job Notes		
	RAY WICKET CONSTRUCTION LOT 4 PONDEROSA Rd SANFORD NC		