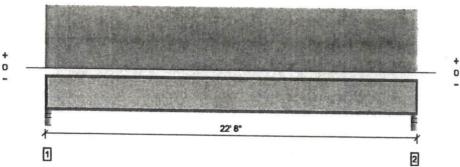
### FORTE DOB SUMMARY REPORT

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	2 Piece(s) 1 3/4" x 11 7/8" 1.9E Microllam® LVL	
Beam between Dining and Foyer	Passed	2 Piece(s) 1 3/4" x 9 1/4" 1.9E Microllam® LVL	

Forte Software Operator	Job Notes
	RAY WICKER CONSTRUCTION LOT 2 PINDEROSA Rd
	SANTORD NC

#### 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	LDE	Load: Combination (Pattern)
Member Reaction (lbs)	934 @ 2 1/2"	1202 (2.25")	Passed (78%)		1.0 D + 1.0 L (All Spans)
Shear (lbs)	919 @ 3 1/2"		Passed (42%)		1.0 D + 1.0 L (All Spans)
Moment (Ft-lbs)	5149 @ 11' 4"	8405	Passed (61%)		1.0 D + 1.0 L (All Spans)
Live Load Defl. (in)	0.410 @ 11' 4"	0.556	Passed (L/652)		1.0 D + 1.0 L (All Spans)
Total Load Defl. (in)	0.533 @ 11' 4"	1.112	Passed (L/501)		1.0 D + 1.0 L (All Spans)
TJ-Pro™ Rating	41	40	Passed	<b>-</b>	(All Spails)

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

System: Floor

- ion criteria: 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.

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

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)	Comments
1 - Uniform (PSF)	0 to 22' 8"	19.2"	12.0	40.0	Residential - Living Areas

#### Weyerhaeuser Notes

Weyerhaeuser warrants that the sizing of its products will be in accordance with Weyerhaeuser product design criteria and published design values. Weyerhaeuser expressly disclaims any other warranties related to the software. Refer to current Weyerhaeuser literature for installation details. (www.woodbywy.com) Accessories (Rim Board, Blocking Panels and Squash Blocks) are not designed by this software. Use of this software is not intended to circumvent the need for a design professional as determined by the authority having jurisdiction. The designer of record, builder or framer is responsible to assure that this calculation is compatible with the overall project. Products manufactured at Weyerhaeuser facilities are third-party certified to sustainable forsetry standards.

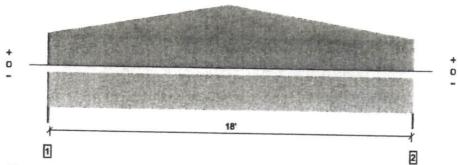
The product application, input design loads, dimensions and support information have been provided by MAP



Forte Software Operator	Job Notes
a.	RAY WICKER CONSTRUCTION LOT 2 POOFROSA RD SANFORD NC

### 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

Actual @ Location	Allowed	Result	IDE	Load: Combination (Pattern)
1529 @ 0	3806 (1.50")			
1368 @ 1' 3 1/2"	9310			1.0 D + 1.0 L (All Spans) 1.0 D + 1.0 L (All Spans)
7649 @ 9' 1 1/8"				1.0 D + 1.0 L (All Spans)
0.140 @ 9' 1 1/2"	0.608			1.0 D + 1.0 L (All Spans)
0.316 @ 9' 1 7/16"	0.913		_	1.0 D + 1.0 L (All Spans)
	1529 @ 0 1368 @ 1' 3 1/2" 7649 @ 9' 1 1/8" 0.140 @ 9' 1 1/2"	1529 @ 0 3806 (1.50") 1368 @ 1' 3 1/2" 9310 7649 @ 9' 1 1/8" 24258 0.140 @ 9' 1 1/2" 0.608 0.316 @ 9' 1 7/16" 0.913	1529 @ 0 3806 (1.50") Passed (40%) 1368 @ 1' 3 1/2" 9310 Passed (15%) 7649 @ 9' 1 1/8" 24258 Passed (32%) 0.140 @ 9' 1 1/2" 0.608 Passed (L/999+) 0.316 @ 9' 1 7/16" 0.913 Passed (L/693)	1529 @ 0 3806 (1.50") Passed (40%) 1368 @ 1' 3 1/2" 9310 Passed (15%) 1.00 7649 @ 9' 1 1/8" 24258 Passed (32%) 1.00 0.140 @ 9' 1 1/2" 0.608 Passed (L/999+)

riteria: LL (L/360) and TL (L/240).

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.

		Bearing			s to Suppor		
Supports	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	Floor Load
2 - Tapered (PLF)	0 to 9'	N/A	0.0 to 100.0	10.0	-
3 - Tapered (PLF)	0/4-10/				Gable Wall Load
- raparad (r Er )	9' to 18'	N/A	100.0 to 0.0	-	Gable Wall load

#### Weyerhaeuser Notes

Weyerhaeuser warrants that the sizing of its products will be in accordance with Weyerhaeuser product design criteria and published design values.

Weyerhaeuser expressly disclaims any other warranties related to the software. Refer to current Weyerhaeuser literature for installation details.

(www.woodbywy.com) Accessories (Rim Board, Blocking Panels and Squash Blocks) are not designed by this software. Use of this software is not intended to circumvent the need for a design professional as determined by the authority having jurisdiction. The designer of record, builder or framer is responsible to assure that this calculation is compatible with the overall project. Products manufactured at Weyerhaeuser facilities are third-party certified to sustainable

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



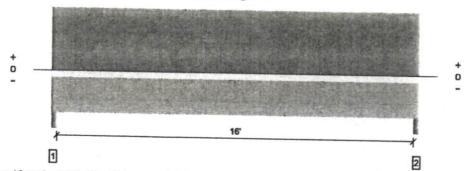
System: Wall Member Type : Header Building Use: Residential Building Code: IBC Design Methodology : ASD

Job Notes					
RAY WICKER CONSTRUCTION LOT 2 PONDEROSA Rd SANFORD NC					

# MEMBER REPORT Level, Side Entry Garage Header

### 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	The	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)
Moment (Ft-lbs)	28410 @ 8' 3"	46671	Passed (61%)		1.0 D + 1.0 L (All Spans)
Live Load Defl. (in)	0.310 @ 8' 3"	0.542	1		1.0 D + 1.0 L (All Spans)
Total Load Defl. (in)	0.493 @ 8' 3"	-	Passed (L/629)		1.0 D + 0.75 L + 0.75 Lr (All Spans)
• Deflection criteria: 11 (1/360)		0.813	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	upports (fb	<b>经过度中等级制度的</b>	
Supports	Total	Available	Required	Dead	Floor	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	Areas Roof Load

#### Weyerhaeuser Notes

Weyerhaeuser warrants that the sizing of its products will be in accordance with Weyerhaeuser product design criteria and published design values. Weyerhaeuser expressly disclaims any other warranties related to the software. Refer to current Weyerhaeuser literature for installation details. (www.woodbywy.com) Accessories (Rim Board, Blocking Panels and Squash Blocks) are not designed by this software. Use of this software is not intended to circumvent the need for a design professional as determined by the authority having jurisdiction. The designer of record, builder or framer is responsible to assure that this calculation is compatible with the overall project. Products manufactured at Weyerhaeuser facilities are third-party certified to sustainable

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

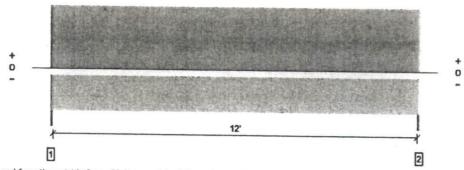


System: Wall Member Type : Header Building Use: Residential Building Code: IBC Design Methodology: ASD

Forte Software Operator	Job Notes
λ.	RAY WICKER CONSTRUCTION LOT 2 PONDEROSA Rd SANFORD 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	LDF	Load: Combination (Pattern)
Member Reaction (lbs)	2015 @ 0	3806 (1.50")	Passed (53%)	-	1.0 D + 1.0 L (All Spans)
Shear (lbs)	1720 @ 10 3/4"	6151	Passed (28%)		1.0 D + 1.0 L (All Spans)
Moment (Ft-lbs)	6170 @ 6' 1 1/2"	11204	Passed (55%)		1.0 D + 1.0 L (All Spans)
Live Load Defl. (in)	0.245 @ 6' 1 1/2"	0.408	Passed (L/600)		1.0 D + 1.0 L (All Spans)
Total Load Defl. (in)	0.403 @ 6' 1 1/2"	0.613	Passed (L/365)	1	1.0 D + 1.0 L (All Spans)

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

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.

Supports	Bearing			Load	s to Suppor	ts (lbs)	
	Total	Available	Required	bead	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 Celling Load

#### Weyerhaeuser Notes

Weyerhaeuser warrants that the sizing of its products will be in accordance with Weyerhaeuser product design criteria and published design values. Weyerhaeuser warrants that the sizing or its products will be in accordance with Weyerhaeuser product design criteria and published design values. Weyerhaeuser expressly disclaims any other warranties related to the software. Refer to current Weyerhaeuser literature for installation details. (www.woodbywy.com) Accessories (Rim Board, Blocking Panels and Squash Blocks) are not designed by this software. Use of this software is not intended to circumvent the need for a design professional as determined by the authority having jurisdiction. The designer of record, builder or framer is responsible to assure that this calculation is compatible with the overall project. Products manufactured at Weyerhaeuser facilities are third-party certified to sustainable

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



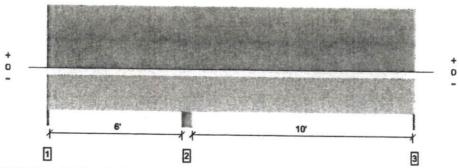
System: Wall Member Type : Header Building Use: Residential Building Code: IBC Design Methodology: ASD

Forte Software Operator	Job Notes				
	RAY WICKER CONSTRUCTION LOT 2 PONDEROSA RO SANFORD NC				

# FORTE MEMBER REPORT Level, Beam @ Dining/foyer to Great room

### 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

Design Results	Actual @ Location	Allowed	Result	LDF	Load: Combination (Pattern)
Member Reaction (lbs)	2856 @ 16' 9"	3806 (1.50")	Passed (75%)		1.0 D + 1.0 L (Alt Spans)
Shear (lbs)	3315 @ 7' 7 3/8"	7897			1.0 D + 1.0 L (All Spans)
Moment (Ft-lbs)	-6894 @ 6' 4 1/2"	17848			1.0 D + 1.0 L (All Spans)
Live Load Defl. (in)	0.043 @ 11' 11 5/16"	0.346	Passed (L/999+)		1.0 D + 1.0 L (Alt Spans)
Total Load Defl. (in)	0.135 @ 12' 3/8"	0.519	Passed (L/926)		1.0 D + 1.0 L (Alt Spans)

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

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			is to Suppor	ts (lbs)	
Supports	Total	Available	Required	Dead	sad Floor To		Accessories
1 - Trimmer - SPF	1.50"	1.50"	1.50"	743	577/-261	1320/-261	None
2 - Trimmer - SPF	6.00"	6.00"	2.90"	5175	2195	7370	None
3 - Trimmer - SPF	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 Great Room
2 - Uniform (PLF)	0 to 16' 9"	N/A	200.0		Wall Load
3 - Uniform (PSF)	0 to 16' 9"	7'	20.0		Ceiling load from Front of house

#### Weyerhaeuser Notes

Weyerhaeuser warrants that the sizing of its products will be in accordance with Weyerhaeuser product design criteria and published design values. Weyerhaeuser expressly disclaims any other warranties related to the software. Refer to current Weyerhaeuser literature for installation details. (www.woodbywy.com) Accessories (Rim Board, Blocking Panels and Squash Blocks) are not designed by this software. Use of this software is not intended to circumvent the need for a design professional as determined by the authority having jurisdiction. The designer of record, builder or framer is responsible to assure that this calculation is compatible with the overall project. Products manufactured at Weyerhaeuser facilities are third-party certified to sustainable

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

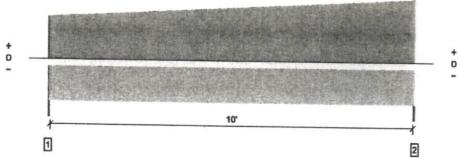


System: Wall Member Type : Header Building Use: Residential Building Code: IBC Design Methodology: ASD

Forte Software Operator	Job Notes
	LOT 2 PONDERS A REL 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

Actual @ Location	Allowed	Result	LDF	Load: Combination (Pattern)
1337 @ 10' 3"	3806 (1.50")			1.0 D + 1.0 L (All Spans)
1080 @ 9' 4 1/4"	6151			1.0 D + 1.0 L (All Spans)
3233 @ 5' 3 3/8"	11204			1.0 D + 1.0 L (All Spans)
0.074 @ 5' 1 1/2"	0.342			1.0 D + 1.0 L (All Spans)
0.151 @ 5' 1 15/16"	0.512			1.0 D + 1.0 L (All Spans)
	1337 @ 10' 3" 1080 @ 9' 4 1/4" 3233 @ 5' 3 3/8" 0.074 @ 5' 1 1/2"	1337 @ 10' 3" 3806 (1.50") 1080 @ 9' 4 1/4" 6151 3233 @ 5' 3 3/8" 11204 0.074 @ 5' 1 1/2" 0.342	1337 @ 10' 3" 3806 (1.50") Passed (35%) 1080 @ 9' 4 1/4" 6151 Passed (18%) 3233 @ 5' 3 3/8" 11204 Passed (29%) 0.074 @ 5' 1 1/2" 0.342 Passed (L/999+)	1337 @ 10' 3" 3806 (1.50") Passed (35%) 1080 @ 9' 4 1/4" 6151 Passed (18%) 1.00 3233 @ 5' 3 3/8" 11204 Passed (29%) 1.00 0.074 @ 5' 1 1/2" 0.342 Passed (L/999+)

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

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.

	Bearing			Load	s to Suppor	ts (lbs)	
Supports	Total	Available	Required	Dead	Floor	Total	Accessories
1 - Trimmer - SPF	1.50"	1.50"	1.50"	569	615	1184	None
2 - Trimmer - 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)	rm (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

#### Weyerhaeuser Notes

Weyerhaeuser warrants that the sizing of its products will be in accordance with Weyerhaeuser product design criteria and published design values. Weyerhaeuser expressly disclaims any other warranties related to the software. Refer to current Weyerhaeuser literature for installation details. (www.woodbywy.com) Accessories (Rim Board, Blocking Panels and Squash Blocks) are not designed by this software. Use of this software is not intended to circumvent the need for a design professional as determined by the authority having jurisdiction. The designer of record, builder or framer is responsible to assure that this calculation is compatible with the overall project. Products manufactured at Weyerhaeuser facilities are third-party certified to sustainable forestry standards.

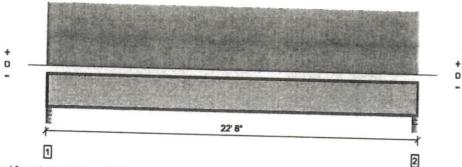
The product application, input design loads, dimensions and support information have been provided by MAP



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

Forte Software Operator	Job Notes			
	RAY WICKER CONSTRUCTION LOT 2 PONDEROSA RO SANFORD NC			

#### 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	Allowed	Result	1.55	
Member Reaction (lbs)	934 @ 2 1/2"	1202 (2.25")		LDF	Load: Combination (Pattern)
Shear (lbs)			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 + 1.0 L (All Spans)
Live Load Defl. (in)	0.410 @ 11' 4"	0.556	Passed (L/652)		
Total Load Defl. (in)	0.533 @ 11' 4"				1.0 D + 1.0 L (All Spans)
TJ-Pro™ Rating		1.112	Passed (L/501)		1.0 D + 1.0 L (All Spans)
* Deflection criteria: LL (1/480) a	41	40	Passed		

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

- 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  $^{\text{\tiny TM}}$  Rating include: 1/2" Gypsum celling.

Supports		Bearing Length			s to Suppor	ts (lbs)	
	Total	Available	Required	Dead	Floor	Total	Accessories
1 - Stud wall - SPF	3.50"	2.25"	1.75"	218	Live		
2 - Stud wall - SPF				218	725	943	1 1/4" Rim Board
e Dim Board is asset	3.50"	2.25"	1.75"	218	725	943	1 1/4" Rim Board

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

Loads	Location	Spacing	Dead (0.90)	Floor Live	Comments
1 - Uniform (PSF)			(Sibo)	The second second	The second second second second second
T-OIMOITT (FSF)	0 to 22' 8"	19.2"	12.0	40.0	Residential - Living

#### Weyerhaeuser Notes

Weyerhaeuser warrants that the sizing of its products will be in accordance with Weyerhaeuser product design criteria and published design values. Weyerhaeuser warrants that the sizing of its products will be in accordance with Weyerhaeuser product design criteria and published design values. Weyerhaeuser expressly disclaims any other warranties related to the software. Refer to current Weyerhaeuser literature for installation details. (www.woodbywy.com) Accessories (Rim Board, Blocking Panels and Squash Blocks) are not designed by this software. Use of this software is not intended to circumvent the need for a design professional as determined by the authority having jurisdiction. The designer of record, builder or framer is responsible to account the professional as determined by the authority having jurisdiction. The designer of record, builder or framer is responsible to assure that this calculation is compatible with the overall project. Products manufactured at Weyerhaeuser facilities are third-party certified to sustainable

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

SUSTAINABLE FORESTRY INITIATIVE

Forte Software Operator	Job Notes			
	RAY WICKED CONSTRUCTION LOT Z AUNGEROSA Rd SANFORD NC			