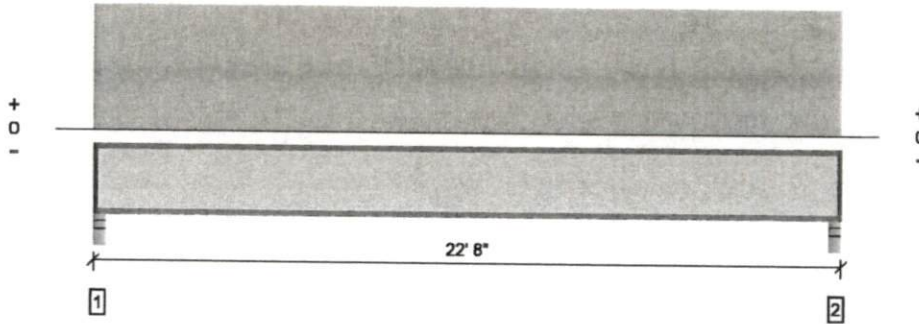


01: Level			
Member Name	Results	Current Solution	Comments
Garage I-joist	Passed	1 Piece(s) 16" TJI® 360 @ 19.2" OC	
Garage Door Header	Passed	2 Piece(s) 1 3/4" x 14" 1.9E Microllam® LVL	
Beam @ Kitchen/Great Room CO	Passed	2 Piece(s) 1 3/4" x 9 1/4" 1.9E Microllam® LVL	
Beam @ Dining/foyer to Great 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 314 COACHMAN WAY 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.;Drawing is Conceptual

Design Results	Actual @ Location	Allowed	Result	LDF	Load: Combination (Pattern)
Member Reaction (lbs)	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	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)	--	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	--	--

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

- Deflection 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.

Supports	Bearing			Loads to Supports (lbs)			Accessories
	Total	Available	Required	Dead	Floor Live	Total	
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

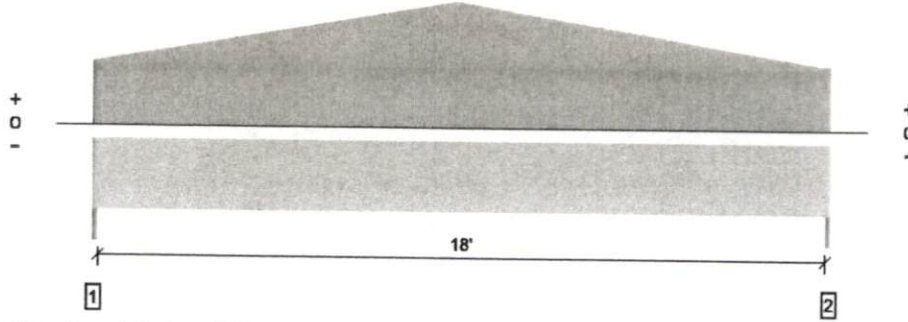
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Forte Software Operator	Job Notes
	RAY WICKER CONSTRUCTION 314 COACHMAN WAY SANFORD NC

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	LDF	Load: Combination (Pattern)
Member Reaction (lbs)	1529 @ 0	3806 (1.50")	Passed (40%)	--	1.0 D + 1.0 L (All Spans)
Shear (lbs)	1368 @ 1' 3 1/2"	9310	Passed (15%)	1.00	1.0 D + 1.0 L (All Spans)
Moment (Ft-lbs)	7649 @ 9' 1 1/8"	24258	Passed (32%)	1.00	1.0 D + 1.0 L (All Spans)
Live Load Defl. (in)	0.140 @ 9' 1 1/2"	0.608	Passed (L/999+)	--	1.0 D + 1.0 L (All Spans)
Total Load Defl. (in)	0.316 @ 9' 1 7/16"	0.913	Passed (L/693)	--	1.0 D + 1.0 L (All Spans)

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

* Deflection criteria: 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.

Supports	Bearing			Loads to Supports (lbs)			Accessories
	Total	Available	Required	Dead	Floor Live	Total	
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	-	Gable Wall Load
3 - Tapered (PLF)	9' to 18'	N/A	100.0 to 0.0	-	Gable Wall load

Weyerhaeuser Notes

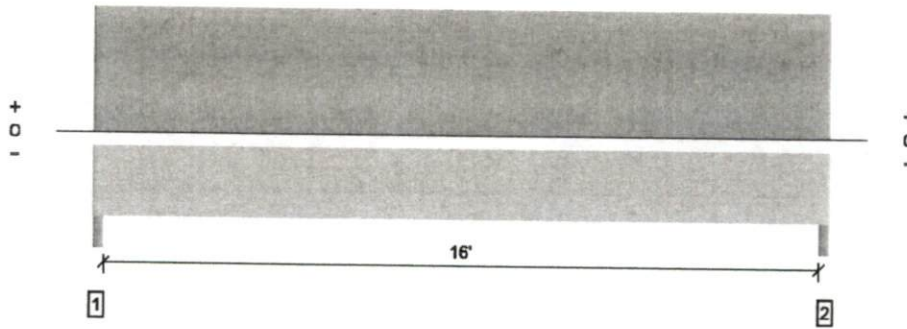
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Forte Software Operator	Job Notes
	RAY WICKER CONSTRUCTION 314 COACHMAN WAY SANFORD NC

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	LDF	Load: Combination (Pattern)
Member Reaction (lbs)	8003 @ 1 1/2"	11419 (3.00")	Passed (70%)	--	1.0 D + 0.75 L + 0.75 Lr (All Spans)
Shear (lbs)	5738 @ 1' 7"	15960	Passed (36%)	1.00	1.0 D + 1.0 L (All Spans)
Moment (Ft-lbs)	28410 @ 8' 3"	46671	Passed (61%)	1.00	1.0 D + 1.0 L (All Spans)
Live Load Defl. (in)	0.310 @ 8' 3"	0.542	Passed (L/629)	--	1.0 D + 0.75 L + 0.75 Lr (All Spans)
Total Load Defl. (in)	0.493 @ 8' 3"	0.813	Passed (L/395)	--	1.0 D + 0.75 L + 0.75 Lr (All Spans)

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

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

Supports	Bearing			Loads to Supports (lbs)				Accessories
	Total	Available	Required	Dead	Floor Live	Roof Live	Total	
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	-	Residential - Living Areas
2 - Uniform (PSF)	0 to 16' 6"	12' 6"	15.0	-	25.0	Roof Load

Weyerhaeuser Notes

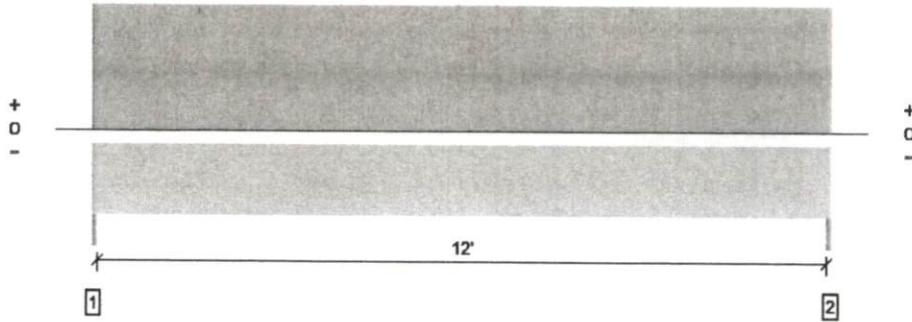
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Forte Software Operator	Job Notes
	RAY WICKER CONSTRUCTION 314 COACHMAN WAY SANFORD NC

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%)	1.00	1.0 D + 1.0 L (All Spans)
Moment (Ft-lbs)	6170 @ 6' 1 1/2"	11204	Passed (55%)	1.00	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)	--	1.0 D + 1.0 L (All Spans)

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

- 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			Loads to Supports (lbs)			Accessories
	Total	Available	Required	Dead	Floor Live	Total	
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 load
2 - Uniform (PSF)	0 to 12' 3"	4'	12.0	20.0	Foyer Ceiling Load

Weyerhaeuser Notes

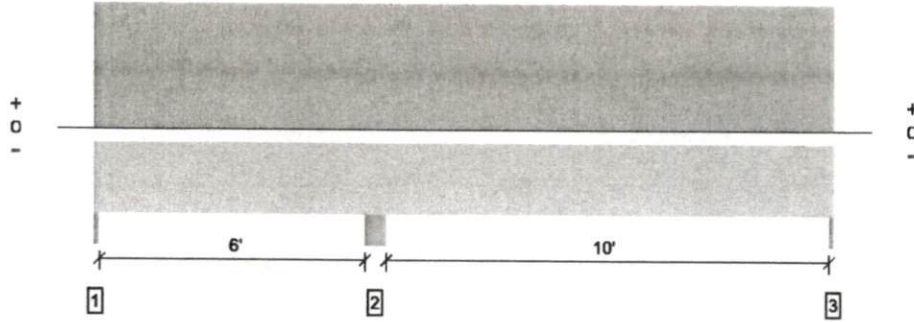
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Fort Software Operator	Job Notes
	RAY WICKER CONSTRUCTION 314 COACHMAN WAY SAWFORD NC

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	Passed (42%)	1.00	1.0 D + 1.0 L (All Spans)
Moment (Ft-lbs)	-6894 @ 6' 4 1/2"	17848	Passed (39%)	1.00	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)

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

- 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.

Supports	Bearing			Loads to Supports (lbs)			Accessories
	Total	Available	Required	Dead	Floor Live	Total	
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

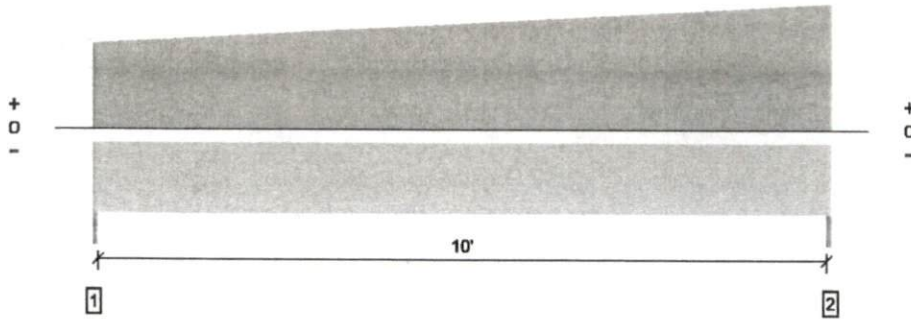
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Fort Software Operator	Job Notes
	RAY WICKER CONSTRUCTION 314 COACHMAN WAY SANFORD NC

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	LDF	Load: Combination (Pattern)
Member Reaction (lbs)	1337 @ 10' 3"	3806 (1.50")	Passed (35%)	--	1.0 D + 1.0 L (All Spans)
Shear (lbs)	1080 @ 9' 4 1/4"	6151	Passed (18%)	1.00	1.0 D + 1.0 L (All Spans)
Moment (Ft-lbs)	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)	--	1.0 D + 1.0 L (All Spans)

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

- Deflection 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.

Supports	Bearing			Loads to Supports (lbs)			Accessories
	Total	Available	Required	Dead	Floor Live	Total	
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)	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

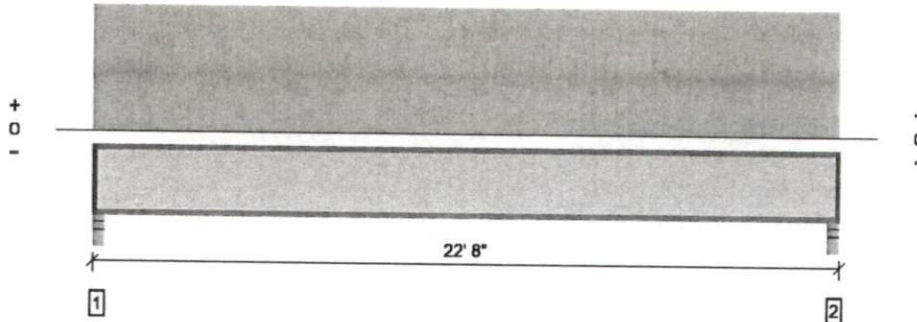
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Forté Software Operator	Job Notes
	RAY WICKER CONSTRUCTION 314 COACHMAN WAY SANFORD NC

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	LDF	Load: Combination (Pattern)
Member Reaction (lbs)	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	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)	--	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	--	--

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

- Deflection 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.

Supports	Bearing Length			Loads to Supports (lbs)			Accessories
	Total	Available	Required	Dead	Floor Live	Total	
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

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Forte Software Operator	Job Notes
	RAY WICKON CONSTRUCTION 314 COACHMAN WAY SANFORD NC